

*TPC Benchmark<sup>TM</sup>C*

*Full Disclosure Report*

*Fujitsu  
teamserver M890ic c/s  
w/ 6 Front-Ends*

*running*

*SymfoWARE Server  
Enterprise Edition for VLM V1.1 L41*

*July 17, 1999*

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The benchmark results contained in this document were submitted for compliance with version 3.4 of the TPC Benchmark C Standard Specification. The result of that action is to place these benchmark results into the sixty day "under review" status as of July 17, 1999.

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Benchmark results are highly dependent upon workload, specific application requirements, and system design and implementation. Relative system performance will vary as a result of these and other factors. Therefore TPC Benchmark C should not be used as a substitute for a specific customer application benchmark when critical capacity planning and/or product evaluation decisions are contemplated.

All performance data contained in this report were obtained in a rigorously controlled environment. Results obtained in other operating environments may vary significantly. Fujitsu does not warrant or represent that a user can or will achieve similar performance expressed in transactions per minute (tpmC) or normalized price/performance (\$/tpmC). No warranty of system performance or price/performance is expressed or implied in this report.

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## *Preface*

The TPC Benchmark C was developed by the Transaction Processing Performance Council (TPC). The TPC was founded to define transaction processing benchmarks and to disseminate objective, verifiable performance data to the industry. This full disclosure report is based on the TPC Benchmark C Standard Specifications Version 3.4, released August 25th, 1998.

### **TPC Benchmark C Overview**

The TPC describes this benchmark in Clause 0.1 of the specifications as follows:

TPC Benchmark C is an On Line Transaction Processing (OLTP) workload. It is a mixture of read-only and update intensive transactions that simulate the activities found in complex OLTP application environments. It does so by exercising a breadth of system components associated with such environments, which are characterized by:

- The simultaneous execution of multiple transaction types that span a breadth of complexity
- On-line and deferred transaction execution modes
- Multiple on-line terminal sessions
- Moderate system and application execution time
- Significant disk input/output
- Transaction integrity (ACID properties)
- Non-uniform distribution of data access through primary and secondary keys
- Databases consisting of many tables with a wide variety of sizes, attributes, and relationships
- Contention of data access and update

The performance metric reported by TPC-C is a “business throughput” measuring the number of orders processed per minute. Multiple transactions are used to simulate the business activity of processing an order, and each transaction is subject to a response time constraint. The performance metric for this benchmark is expressed in transactions-per-minute-C (tpmC). To be compliant with the TPC-C standard, all references to tpmC results must include the tpmC rate, the associated price-per-tpmC, and the availability date of the priced configuration.

Despite the fact that this benchmark offers a rich environment that emulates many OLTP applications, this benchmark does not reflect the entire range of OLTP requirements. In addition, the extent to which a customer can achieve the results reported by a vendor is highly dependent on how closely TPC-C approximates the customer application. The relative performance of systems derived from this benchmark does not necessarily hold for other workloads or environments. Extrapolations to other environments are not recommended.

Benchmark results are highly dependent upon workload, specific application requirements, and systems design and implementation. Relative system performance will vary as a result of these and other factors. Therefore, TPC-C should not be used as a substitute for a specific customer application benchmarking when critical capacity planning and/or product evaluation decisions are contemplated.

## *Abstract*

### **Overview**

This report documents the methodology and results of the TPC Benchmark C test conducted by Fujitsu Ltd. on the Fujitsu teamserver M890ic c/s w/ 6 Front-Ends. The operating system used for the benchmark was Microsoft Windows NT Server 4.0 Enterprise Edition. The DBMS used was SymfoWARE Server Enterprise Edition for VLM V1.1 L41.

### **TPC Benchmark C Metrics**

The standard TPC Benchmark C metrics, tpmC (transactions per minute), price per tpmC (five year capital cost per measured tpmC), and the availability date are reported as:

25,440.60 tpmC  
\$28.57 per tpmC  
January 16, 2000


### **Standard and Executive Summary Statements**

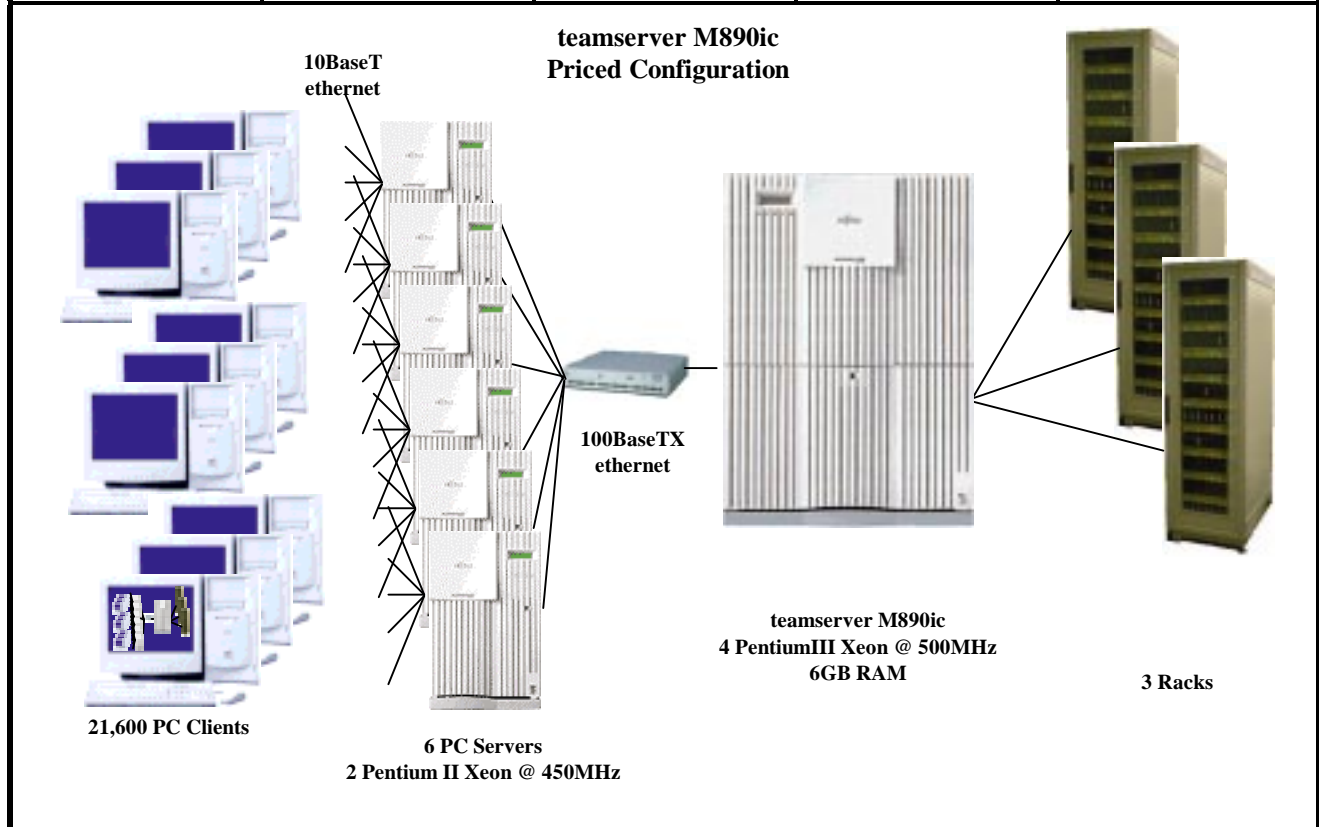
The following pages contain the executive summary of results for this benchmark.

### **Auditor**

The benchmark configuration, environment and methodology, along with the pricing model used to calculate the cost per tpmC, were audited by Francois Raab of InfoSizing to verify compliance with the relevant TPC specifications.

## Priced Configuration


		<b>teamserver M890ic c/s w/ 6 Front-Ends</b>		<b>TPC-C Rev 3.4</b>					
				<b>Report Date: July 17, 1999</b>					
<b>Total System Cost</b>		<b>TPC-C Throughput</b>		<b>Price/Performance</b>		<b>Availability Date</b>			
<b>\$726,817</b>		<b>25,440.60 tpmC</b>		<b>\$28.57/tpmC</b>		<b>January 16, 2000*</b>			
<b>Processors</b>		<b>Database Manager</b>		<b>Operating system</b>		<b>Other Software</b>		<b>Number of users</b>	
<b>4 PentiumIII Xeon @ 500MHz</b>		<b>SymfoWARE Server Enterprise Edition for VLM V1.1 L41</b>		<b>Microsoft Windows NT Server 4.0 Enterprise Edition</b>		<b>BEA Tuxedo 6.4 CFS, Fujitsu COBOL V4, Microsoft Internet Information Server</b>		<b>21,600</b>	



RDBMS SERVER			CLIENTS(EACH OF 6)	
	QTY	DESCRIPTION	QTY	DESCRIPTION
PROCESSOR	4	PENTIUMIII XEON @ 500MHZ	2	PENTIUM II XEON @ 450MHZ
CACHE MEMORY		2MB (EACH PROCESSOR)		512KB EACH (4OF6), 1MB EACH(2 OF 6)
MEMORY		6GB		512MB
DISK CONTROLLER	9	ULTRA WIDE DIFFERENTIAL SCSI (3 CHANNELS)	1	WIDE-SCSI
DISKS	145	18GB (10,000RPM)	1	4GB
	84	9GB (10,000RPM)		
TOTAL		3,169.23GB		
TERMINAL	1	CONSOLE TERMINAL	1	17" MONITOR
NETWORK INTERFACE	1	FASTETHERNET ADAPTER	7	1 FASTETHERNET ADAPTER, 6 ETHERNET ADAPTERS
HUBS	1	24-PORT (100 BASE-TX)	2,720	COMPEX MICROHUB (8 PORTS)

\*Hardware already available

## Detailed Pricing Information

		<b>Detailed Pricing Information</b> <i>teamserver M890ic c/s</i> w/ 6 Front-Ends			TPC-C Rev 3.4 Report Date: July 17, 1999		
Order Number	Description	Quantity	Third Party	Unit Price	Extended Price	Maintenance rate/unit	5 Years Maintenance
<b>Server Hardware</b>							
GP5M890AL	teamserver M890ic	1		13,498.00	13,498.00	1,000.00/yr	5,000.00
	w/ 1 x Pentium III 500MHz/2MB, 256MB memory, 0GB disk						
GP5-FGI0T	Pentium III Xeon (500MHz/2MB)	3		5,924.00	17,772.00	0.00/yr	0.00
GP5-RM1G	1024MB ECC RAM Upgrade	4		4,058.00	16,232.00	0.00/yr	0.00
GP5-RM51G	512MB ECC RAM Upgrade	4		1,672.00	6,688.00	0.00/yr	0.00
GP5-144	Mylex DAC1164P RAID controller w/ 32MB cache	9		2,789.00	25,101.00	0.00/yr	0.00
GP5-R1RC2	19" Rack Mount	3		2,817.00	8,451.00	0.00/yr	0.00
GPSUR1DC2	Hard Disk Cabinet	28		2,025.00	56,700.00	0.00/yr	0.00
GPS5-832	VHDCI-VHDCI SCSI Cable (3.0m)	27		47.00	1,269.00	0.00/yr	0.00
GPS-125	SCSI Adapter (Ultra-2 Wide)	1		277.00	277.00	0.00/yr	0.00
GPSMU823A	SCSI Cable (3.0m)	1		121.00	121.00	0.00/yr	0.00
GP5-HDH94	9GB 10,000rpm disk	84		831.00	69,804.00	0.00/yr	0.00
GP5-HDH82	18GB 10,000rpm disk	145		1,508.00	218,660.00	0.00/yr	0.00
TMSRVR-OPTION-5929	17" Monitor (Universal)	1		499.00	499.00	0.00/yr	0.00
GPSUDT301	12GB Internal DDS-3 DAT Drive	1		1,058.00	1,058.00	0.00/yr	0.00
	<b>Server Hardware Subtotals</b>				436,130.00		5,000.00
<b>Server Software</b>							
	Microsoft Windows NT 4.0 Server Enterprise Edition, included 25 CALs	1		3,819.00	3,819.00	0.00/yr	0.00
B23J01008	SymfoWARE Server Enterprise Edition for VLM V1.1 L41	1		40,000.00	40,000.00	20,000.00/Syr	20,000.00
	Microsoft Visual C++ Professional 6.0	1	1	549.00	549.00	0.00/yr	0.00
	Microsoft Software Maintenance	1	1	0.00	0.00	2,095.00/yr	10,475.00
	<b>Server Software Subtotals</b>				44,368.00		30,475.00
<b>Client Hardware</b>							
GP5L850L	teamserver L850i	2		7,322.00	14,644.00	600.00/5yr	1,200.00
	w/ 1 x Pentium II Xeon 450MHz/1MB, 128MB memory, 0GB disk,						
	1 10/100Base-TX						
GP5-FGI0K	Pentium II Xeon (450MHz/1MB)	2		3,763.00	7,526.00	0.00/yr	0.00
GP5L840L	teamserver L840i	4		5,143.00	20,572.00	600.00/5yr	2,400.00
	w/ 1 x Pentium II Xeon 450MHz/512KB, 128MB memory, 0GB disk,						
	1 10/100Base-TX						
GP5-FGI0H	Pentium II Xeon (450MHz/512KB)	4		1,584.00	6,336.00	0.00/yr	0.00
GP5-RM12G	128MB (4 x 32MB) Memory	18		347.00	6,246.00	0.00/yr	0.00
GP5-HDH45	Internal HDD (4GB)	6		415.00	2,490.00	0.00/yr	0.00
GP5-182	FastEthernet Adapter (10/100Base-TX)	36		82.00	2,952.00	0.00/yr	0.00
TMSRVR-OPTION-5929	17" Monitor (Universal)	6		499.00	2,994.00	0.00/yr	0.00
	<b>Client Hardware Subtotals</b>				63,760.00		3,600.00
<b>Client Software</b>							
	Microsoft Windows NT Server 4.0, include 5 CALs	6		809.00	4,854.00		
	Fujitsu COBOL V4 Standard Edition	1		750.00	750.00	150.00/yr	750.00
	BEA Tuxedo 6.4 CFS	6	2	3,000.00	18,000.00	450.00/yr	13,500.00
	<b>Client Software Subtotals</b>				23,604.00		14,250.00
<b>User Connectivity</b>							
	CISCO Catalyst 2924XL 10/100 Ethernet Switch (24ports) *	3	3	2,210.00	6,630.00	0.00/yr	0.00
TP1008C	8-Port RJ45 & BNC Ethernet Hub *	3000	3	33.00	99,000.00	0.00/yr	0.00
	<b>User Connectivity Subtotals</b>				105,630.00		0.00
	<b>Totals</b>				673,492.00		53,325.00
	<b>5 Year cost</b>						726,817
	<b>tpmC</b>						25,440.60
	<b>\$/tpmC</b>						28.57
	*: 10% or minimum of 2 spares are included.						
Third Party:	1 = Microsoft Corporation						
	2 = BEA Systems						
	3 = SSP DATA PRODUCTS						
Notes:  Results independently audited by Francois Raab of InfoSizing, Inc.  Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these items, please inform the TPC at pricing@tpc.org. Thank you.							

Numerical Quantities Summary							
<i>teamserver M890ic c/s w/ 6 Front-Ends</i>							
SymfoWARE Server Enterprise Edition for VLM V1.1 L41							
<b>MQTH, Computed Maximum Qualified Throughput</b>						<b>25,440.60 tpmC</b>	
<b>Response Times (in seconds)</b>		<b>Average</b>		<b>90%</b>		<b>Max.</b>	
New-Order		1.65		3.35		24.65	
Payment		1.60		3.28		25.44	
Order-Status		1.59		3.28		15.73	
Delivery (interactive portion)		0.18		0.16		6.05	
Delivery (deferred portion)		1.85		3.50		13.79	
Stock-Level		1.61		3.31		16.86	
Menu		0.16		0.15		4.49	
<b>Transaction Mix, in percent of total transaction</b>							
New-Order						44.82	
Payment						43.02	
Order-Status						4.08	
Delivery						4.04	
Stock-Level						4.04	
<b>Emulation Delay (in seconds)</b>				<b>Resp. Time</b>		<b>Menu</b>	
New-Order				.1		.1	
Payment				.1		.1	
Order-Status				.1		.1	
Delivery (interactive)				.1		.1	
Stock-Level				.1		.1	
<b>Keying/Think Times (in seconds)</b>		<b>Min.</b>		<b>Average</b>		<b>Max.</b>	
New-Order		18.10 0.02		18.12 12.05		18.27 120.27	
Payment		3.04 0.02		3.07 12.07		3.19 120.35	
Order-Status		2.05 0.02		2.07 10.21		2.17 93.16	
Delivery (interactive)		2.05 0.02		2.07 5.06		2.16 49.82	
Stock-Level		2.05 0.02		2.07 5.06		2.19 47.27	
<b>Test Duration</b>							
Ramp-up time (seconds)						1,740	
Measurement interval						1,800	
Transactions during measurement interval						763,218	
<b>Checkpointing</b>							
Number of checkpoints						1	
Checkpoint interval						1,800	
<b>Reproducibility Run</b>							
Reported measurement						25,440.60	
Reproducibility measurement						25,432.20	
Difference						0.03%	



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## General Items

### Application Code and Definition Statements

*The application program (as defined in clause 2.1.7) must be disclosed. This includes, but is not limited to, the code implementing the five transactions and the terminal input output functions.*

Appendix A and B contain all source code implemented in this benchmark.

### Test Sponsor

*A statement identifying the benchmark sponsor(s) and other participating companies must be provided.*

Fujitsu sponsored and conducted this TPC Benchmark C.

### Parameter Settings

*Settings must be provided for all customer-tunable parameters and options which have been changed from the defaults found in actual products, including by not limited to:*

- *Database options,*
- *Recover/commit options,*
- *Consistency/locking options*
- *Operating system and application configuration parameter.*

*This requirement can be satisfied by providing a full list of all parameters.*

Appendix D contains the parameters for the database, the operating system, and the configuration for the transaction monitor.

## Configuration Items

*Diagrams of both measured and priced configurations must be provided, accompanied by a description of the differences.*

The System Under Test (SUT), a teamserver M890ic, is depicted in the following diagrams.

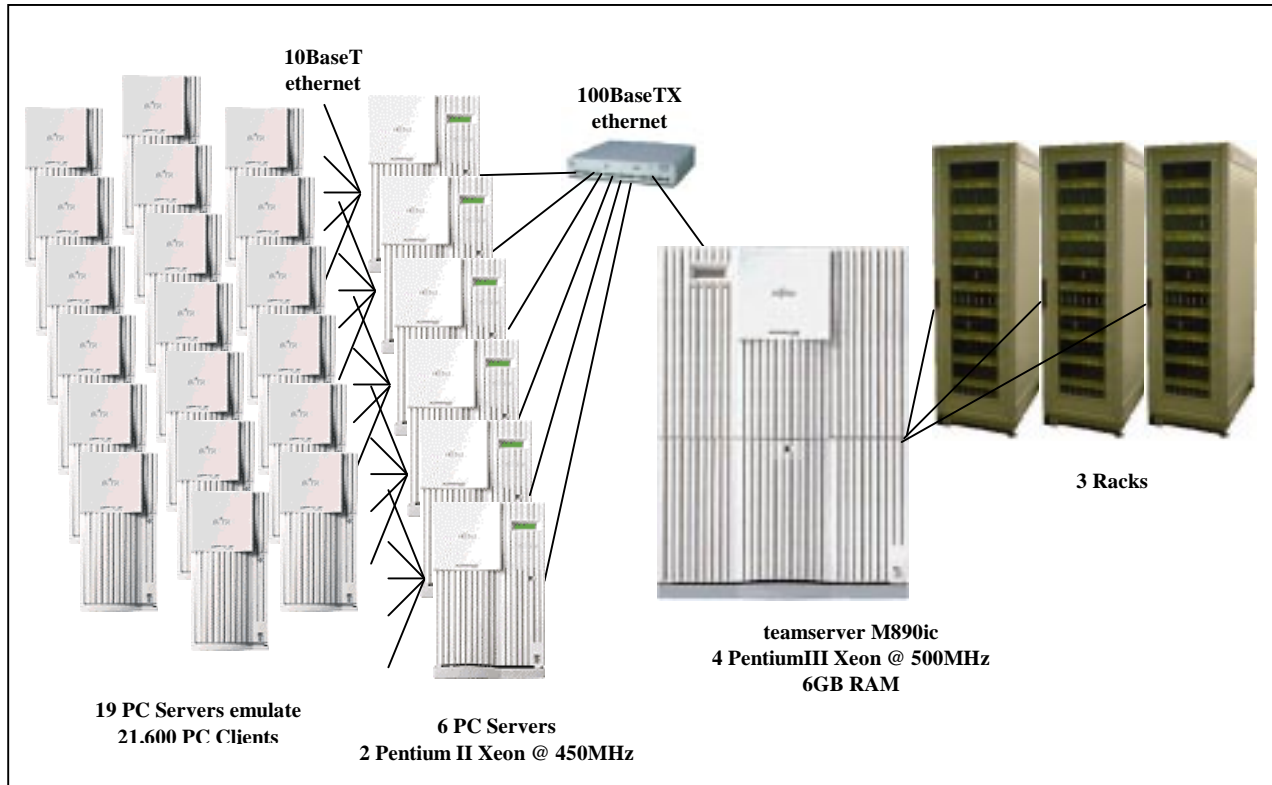
The configuration diagrams for both the tested and priced systems are included on the following pages.

teamserver M890ic Server is equipped with 6GB memory. The memory beyond the management of the Operating System is accessed via the device driver, which comes with SymfoWARE Server Enterprise Edition V1.1 L41 and is installed with it.

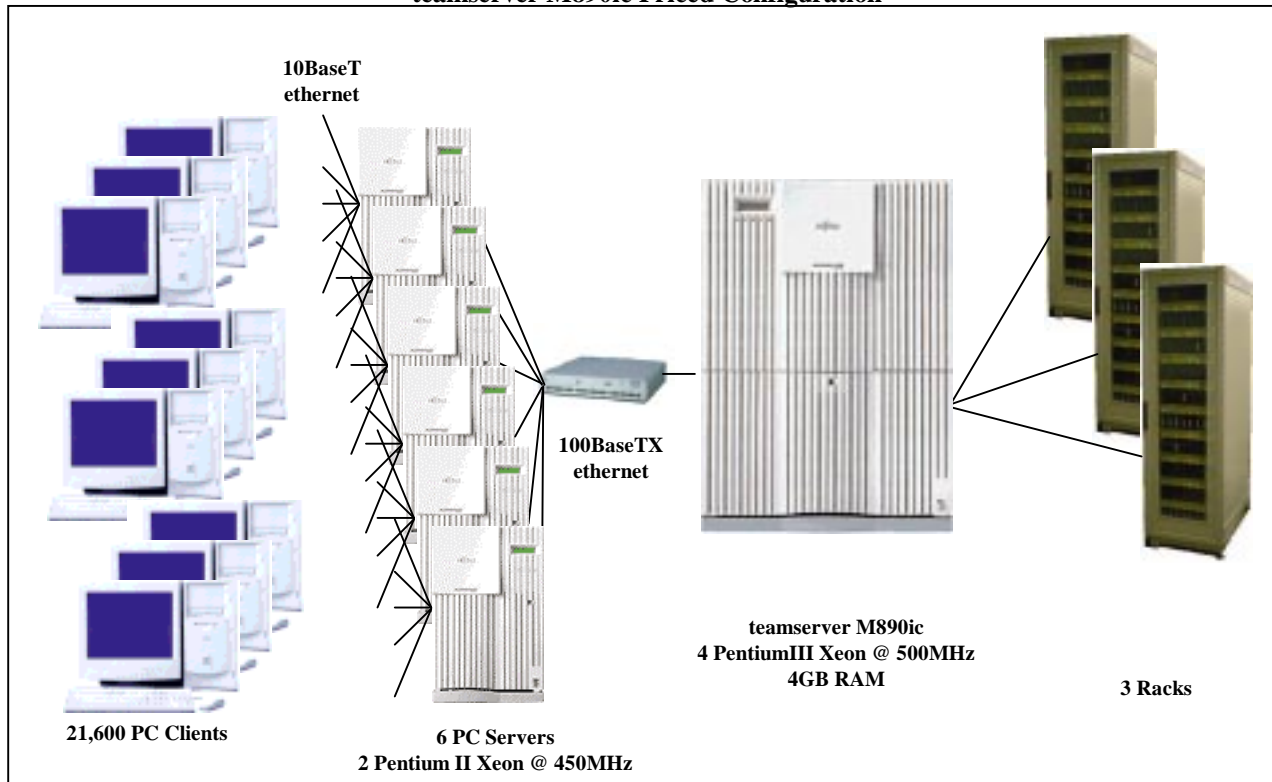
There were differences between the priced and measured configurations. The differences are:

- A RTE was used in the tested configuration.
- The 9GB disks used in the measurement were replaced by 18GB disks in the priced configuration.

**teamserver M890ic Tested Configuration**



**teamserver M890ic Priced Configuration**



## *Clause 1 Related Items*

### **1.1 Table Definitions**

*Listings must be provided for all table definition statements and all other statements used to set up the database.*

Appendix E contains the code used to define and load the database tables.

### **1.2 Physical Organization of Database**

*The physical organization of tables and indices within the database must be disclosed.*

Appendix G discloses the organization of tables and indices on the disks.

### **1.3 Insert and Delete Operations**

*It must be ascertained that insert and/or delete operations to any of the tables can occur concurrently with the TPC-C transaction mix. Furthermore, any restrictions in the SUT database implementation that precludes inserts beyond the limits defined in Clause 1.4.11 must be disclosed. This includes the maximum number of rows that can be inserted and the maximum key value for these new rows.*

All insert and delete functions were verified and fully operational during the entire benchmark.

### **1.4 Partitioning**

*While there are a few restrictions placed upon horizontal or vertical partitioning of*



*tables and rows in the TPC-C benchmark, any such partitioning must be disclosed.*

All tables were horizontally partitioned except for Items. Each table was horizontally partitioned following the w-id values given below:

<b>Table</b>	<b>DSI (Data Structure Instance)</b>
Warehouse	72 WH
District	72 WH
Customer	18 WH
History	18 WH
Order	18 WH
New Order	18 WH
Order Line	9 WH
Stock	36 WH

## **1.5 Replication, Duplication or Additions**

*Replication of tables, if used, must be disclosed. Additional and/or duplicated attributes in any table must be disclosed along with a statement on the impact on performance.*

No replications, duplications or additional attributes were used in this benchmark.



---

## *Clause 2 Related Items*

### **2.1 Random Number Generation**

*The method of verification for the random number generation must be described.*

The seeds for each user were generated using the process id. Each RTE machine was given a number incremented by 30,000. The process id was appended to this number to ensure uniqueness across all RTE machines. These seeds were printed to a file and verified by the auditor to be unique.

### **2.2 Input/Output Screen Layout**

*The actual layout of the terminal input/output screens must be disclosed.*

All screen layouts followed the specification exactly.

### **2.3 Priced Terminal Feature Verification**

*The method used to verify that the emulated terminals provide all the features described in Clause 2.2.2.4 must be explained. Although not specifically priced, the type and model of the terminals used for the demonstration in 8.1.3.3 must be disclosed and commercially available (including supporting software and maintenance).*

The terminal attributes were verified by the auditor manually exercising each specification during the onsite audit portion of this benchmark.

### **2.4 Presentation Manager or Intelligent Terminal**

*Any usage of presentation managers or intelligent terminals must be explained.*

Application code running on the client machines implemented the TPC-C user interface. No presentation manager software or intelligent terminal features were used. The source code for the forms applications is listed in Appendix A.

## 2.5 Transaction Statistics

Table 2.1 lists the numerical quantities that Clauses 8.1.3.5 to 8.1.3.11 require.

**Table 2. 1 Transaction Statistics**

Statistic		Value
New Order	Home warehouse order lines	99.00%
	Remote warehouse order lines	1.00%
	Rolled back transactions	1.00%
	Average items per order	10.00
Payment	Home warehouse	84.95%
	Remote warehouse	15.05%
	Accessed by last name	59.96%
Order Status	Accessed by last name	59.83%
Delivery	Skipped transactions	None
Transaction Mix	New Order	44.82%
	Payment	43.02%
	Order status	4.08%
	Delivery	4.04%
	Stock level	4.04%

## 2.6 Queueing Mechanism

*The queuing mechanism used to defer the execution of the Delivery transaction must be disclosed.*

Delivery transactions were submitted to servers using the same mechanism that other transactions used. The only difference was that the Tuxedo call to the server process was asynchronous, i.e., control would return to the client process immediately and the deferred delivery part would complete asynchronously on the server.

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## *Clause 3 Related Items*

### **3.1 Transaction System Properties (ACID)**

The results of the ACID tests must be disclosed along with a description of how the ACID requirements were met. This includes disclosing which case was followed for the execution of Isolation Test 7.

The TPC Benchmark C Standard Specification defines a set of transaction processing system properties that a SUT must support during the execution of the benchmark. Those properties are Atomicity, Consistency, Isolation and Durability (ACID).

This section defines each of those properties, describes the steps taken to ensure that they were present during the test and describes a series of tests done to demonstrate compliance with the specification.

### **3.2 Atomicity**

*The system under test must guarantee that the database transactions are atomic; the system will either perform all individual operations on the data or will assure that no partially completed operations leave any effects on the data.*

#### **3.2.1 Completed Transactions**

*Perform the Payment transaction for a randomly selected warehouse, district, and customer (by customer number as specified in Clause 2.5.1.2) and verify that the records in the CUSTOMER, DISTRICT, and WAREHOUSE tables have been changed appropriately.*

A row was randomly selected from the warehouse, district and customer tables, and the balances noted. A payment transaction was started with the same warehouse, district and customer identifiers and a known amount. The payment transaction was committed and the rows were verified to contain correctly updated balances.

### 3.2.2 Aborted Transactions

*Perform the Payment transaction for a randomly selected warehouse, district and customer (by customer number as specified in Clause 2.5.1.2) and substitute a ROLLBACK of the transaction for the COMMIT of the transaction. Verify that the records in the CUSTOMER, DISTRICT, and WAREHOUSE tables have NOT been changed.*

A row was randomly selected from the warehouse, district and customer tables, and the balances noted. A payment transaction was started with the same warehouse, district and customer identifiers and a known amount. The payment transaction was rolled back and the rows were verified to contain the original balances.

## 3.3 Consistency

*Consistency is the property of the application that requires any execution of a database transaction to take the database from one consistent state to another, assuming that the database is initially in a consistent state.*

The benchmark specification requires explicit demonstration of the following four consistency conditions;

- The sum of the district balances in a warehouse is equal to the warehouse balance;
- for each district, the next order id minus one is equal to the maximum order id in the ORDER table and equal to the maximum new order id in the NEW-ORDER table;
- for each district, the maximum order id minus minimum order id in the ORDER table plus one equals the number of rows in the NEW-ORDER table for that district;
- for each district, the sum of the order line counts in the ORDER table equals the number of rows in the ORDER-LINE table for that district.

These consistency conditions were tested using a shell script to issue queries to the database. The results of the queries verified that the database was consistent for all four tests.

A performance run was completed including a full 30 minutes of steady state and checkpoints.

The shell script was executed again. The result of the same queries verified that the database remained consistent after the run.

## 3.4 Isolation

*Isolation can be defined in terms of phenomena that can occur during the execution of concurrent transactions. These phenomena are P0 (“Dirty Write”), P1 (“Dirty Read”), P2 (“non-repeatable Read”), and P3 (“Phantom”). The table in Clause 3.4.1 of the TPC-C specifications defines the isolation requirements which must be met by the TPC-C transactions. Sufficient conditions must be enabled at either the system or application level to ensure the required isolation defined above (clause 3.4.1) is*

*obtained.*

The benchmark specification defines nine required tests to be performed to demonstrate that the required levels of transaction isolation are met. These tests, described in Clauses 3.4.2.1 - 3.4.2.9, were all performed and verified as required.

Isolation tests one through nine were executed using shell scripts to issue queries to the database. Each script included timestamps to demonstrate the concurrency of operations. The results of the queries were captured to files. The captured files were verified by the auditor to demonstrate the required isolation had been met.

For Isolation test seven, case A was followed.

## 3.5 Durability

*The tested system must guarantee durability: the ability to preserve the effects of committed transactions and insure database consistency after recovery from any one of the failures listed in Clause 3.5.3.*

### 3.5.1 Durable Media Failure

#### 3.5.1.1 Loss of Log And Data

To demonstrate recovery from a permanent failure of durable medial containing the SymfoWARE recovery log data and TPC-C tables, the following steps were executed on a database of 2,052 warehouses:

1. The database was backed up to extra disks.
2. The total number of orders was determined by the sum of D\_NEXT\_O\_ID of all rows in the DISTRICT table giving the beginning count.
3. The RTEs were started with 20,520 users.
4. The test was allowed to run for a minimum of 5 minutes.
5. One of the log disks was powered off by removing it from the cabinet. Since the log was mirrored, the transactions continued to run without interruption.
6. The test was allowed to run for another 5 minutes and a disk array failure was caused by removing a disk from the disk array cabinet.
7. The RTEs were shut down.
8. A new disk was inserted into the disk cabinet and the data disk was reformatted to simulate a complete loss of data.
9. SymfoWARE was restarted.
10. Data from the backup disk was copied to the new disk and SymfoWARE used the transaction logs to roll forward the recovery data from committed transactions.
11. Step 2 was repeated and the difference between the first and second counts noted.
12. The success file was used to determine the number of NEW\_ORDERS successfully returned to the RTEs.
13. The counts in step 11 and 12 were compared, and the results verified that all committed transactions were successfully recovered.
14. Data from the success file was used to query the database to demonstrate that successful transactions had corresponding rows in the ORDER table and that rolled back transactions did not.

### 3.5.2 Instantaneous Interruption and Loss of Memory

Because loss of power erases the contents of memory, the instantaneous interruption and the loss of memory tests were combined into a single test. This test was executed on a fully scaled database of 2,052 warehouses under a full load of 20,520 users. The following steps were executed:

1. The total number of orders was determined by the sum of D\_NEXT\_O\_ID of all rows in the DISTRICT table giving the beginning count.
2. The RTE was started with 20,520 users.
3. The test was allowed to run for a minimum of 20 minutes.
4. A checkpoint was enforced.
5. The test was allowed to run for another minute.
6. The primary power to the processor was shutdown.
7. The RTE was shutdown.
8. Power was restored and the system performed an automatic recovery.
9. SymfoWARE was restarted and performed an automatic recovery.
10. Step 1 was repeated and the difference between the first and second counts was noted.
11. The success file was used to determine the number of NEW-ORDERS successfully returned to the RTE.
12. The counts in step 10 and 11 were compared and the results verified that all committed transactions had been successfully recovered.
13. Data from the success file was used to query the database to demonstrate successful transactions had corresponding rows in the ORDER table, and rolled back transactions did not.



---

## Clause 4 Related Items

### 4.1 Initial Cardinality of Tables

*The cardinality (e.g. number of rows) of each table, as it existed at the start of the benchmark run, must be disclosed. If the database was over-scaled and inactive rows of the WAREHOUSE table were deleted, the cardinality of the WAREHOUSE table as initially configured and the number of rows deleted must be disclosed.*

The TPC-C database was initially configured with 2,232 warehouses; w-id 2,161 through 2,232 were deleted before performance runs were conducted.

**Table 4.1 Number of Rows for Server**

Table	Occurrences
Warehouse	2,232
District	22,320
Customer	66,960,000
History	66,960,000
Order	66,960,000
New Order	20,088,000
Order Line	669,578,667
Stock	223,200,000
Item	100,000

## 4.2 Database Layout

*The distribution of tables and logs across all media must be explicitly depicted for tested and priced systems.*

Section 1.2 of this report details the distribution of database tables across all disks. The code that creates the tables is included in Appendix E.

## 4.3 Type of Database

*A statement must be provided that describes:*

- 1. The data model implemented by DBMS used (e.g. relational, network, hierarchical).*
- 2. The database interface (e.g. embedded, call level) and access language (e.g. SQL, DL/1, COBOL read/write used to implement the TPC-C transaction. If more than one interface/access language is used to implement TPC-C, each interface/access language must be described and a list of which interface/access language is used with which transaction type must be disclosed.*

SymfoWARE is a relational DBMS.

The interface used was SymfoWARE stored procedures embedded in C code. The new-order transaction also used COBOL to accomplish bulk inserts of the order lines.

## 4.4 Database Mapping

*The mapping of database partitions/replications must be explicitly described.*

The database, with the exception of the Item table, was horizontally partitioned. This partitioning is fully described in Section 1.4.

## 4.5 180 Day Space

*Details of the 180 day space computations along with proof that the database is configured to sustain 8 hours of growth for the dynamic tables (Order, Order-Line, and History) must be disclosed.*

The 180 day space requirement is shown in Appendix F.

The archive log grows at the rate of 5.5830KB per New-Order transaction, which was measured from the steady state. The 8 hours log space was 65.02GB at the measured rate and 135.58GB of log space was prepared for the measurement.

For dynamic tables the following steps were followed:

1. The number of rows and number of used blocks were counted on a freshly loaded database.
2. The number of rows was divided by the number of blocks, giving rows per block.
3. The number of rows inserted in 8 hours was estimated equal to tpmC for HISTORY and ORDER, and ten times tpmC for ORDERLINE.
4. The number of rows in step 3 was divided by the number derived in step 2.
5. The number in step 4 was added to the number of used blocks from step 1.
6. The database was queried to show the space allocated exceeded the number in step 5.

---

## Clause 5 Related Items

### 5.1 Throughput

*Measured tpmC must be reported.*

Measured tpmC	25,440.60
Price per tpmC	\$28.57

### 5.2 Response Times

*Ninetieth percentile, maximum and average response times must be reported for all transaction types as well as for the menu response time.*

An emulation delay of 0.1 second is included in response time and menu time to compensate for browser delay.

**Table 5.1 Response Times**

Type	Average	Maximum	90th %
New-Order	1.65	24.65	3.35
Payment	1.60	25.44	3.28
Order-Status	1.59	15.73	3.28
Interactive Delivery	0.18	6.05	0.16
Deferred Delivery	1.85	13.79	3.50
Stock-Level	1.61	16.86	3.31
Menu	0.16	4.49	0.15

### 5.3 Keying and Think Times

*The minimum, the average, and the maximum keying and think times must be reported for each transaction type.*

**Table 5.2 Keying Times**

Type	Minimum	Average	Maximum
New-Order	18.10	18.12	18.27
Payment	3.04	3.07	3.19
Order-Status	2.05	2.07	2.17
Interactive Delivery	2.05	2.07	2.16
Stock-Level	2.05	2.07	2.19

**Table 5.3 Think Times**

Type	Minimum	Average	Maximum
New-Order	0.02	12.05	120.27
Payment	0.02	12.07	120.35
Order-Status	0.02	10.21	93.16
Interactive Delivery	0.02	5.06	49.82
Stock-Level	0.02	5.06	47.27

### 5.4 Response Time Frequency Distribution Curves and Other Graphs

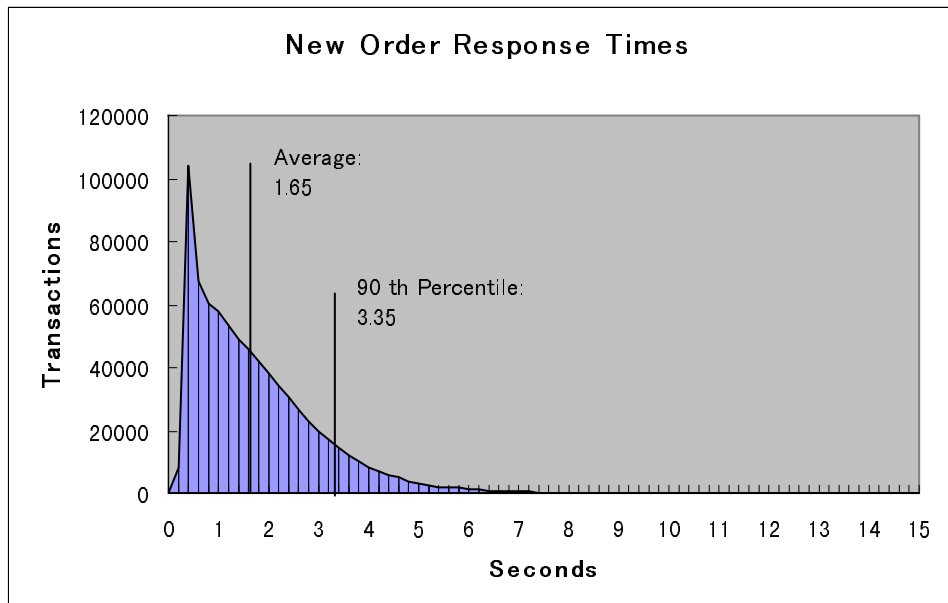
*Response Time frequency distribution curves (see Clause 5.6.1) must be reported for each transaction type.*

*The performance curve for response times versus throughput (see Clause 5.6.2) must be reported for the New-Order transaction.*

*Think Time frequency distribution curves (see Clause 5.6.3) must be reported for the New-Order transaction.*

*A graph of throughput versus elapsed time (see Clause 5.6.5) must be reported for the New-Order transaction.*

**Figure 5.1: New Order Response Time Distribution**



**Figure 5.2: Payment Response Time Distribution**

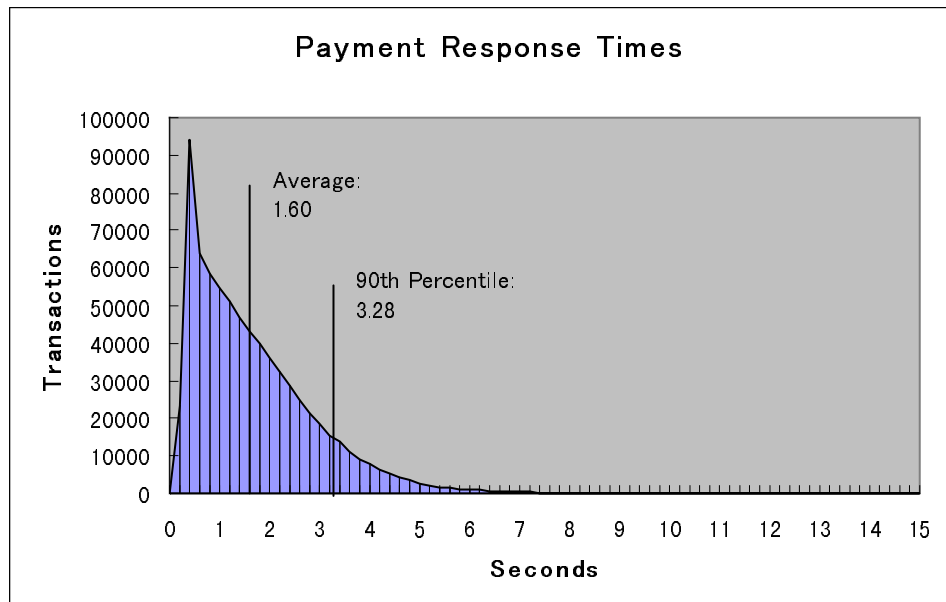


Figure 5.3: Order Status Response Time Distribution

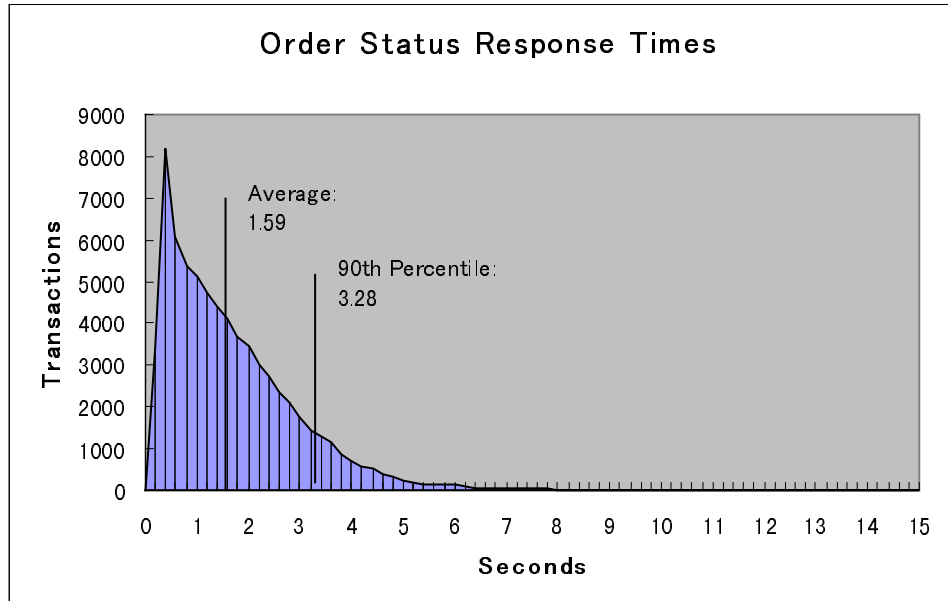


Figure 5.4: Delivery Response Time Distribution

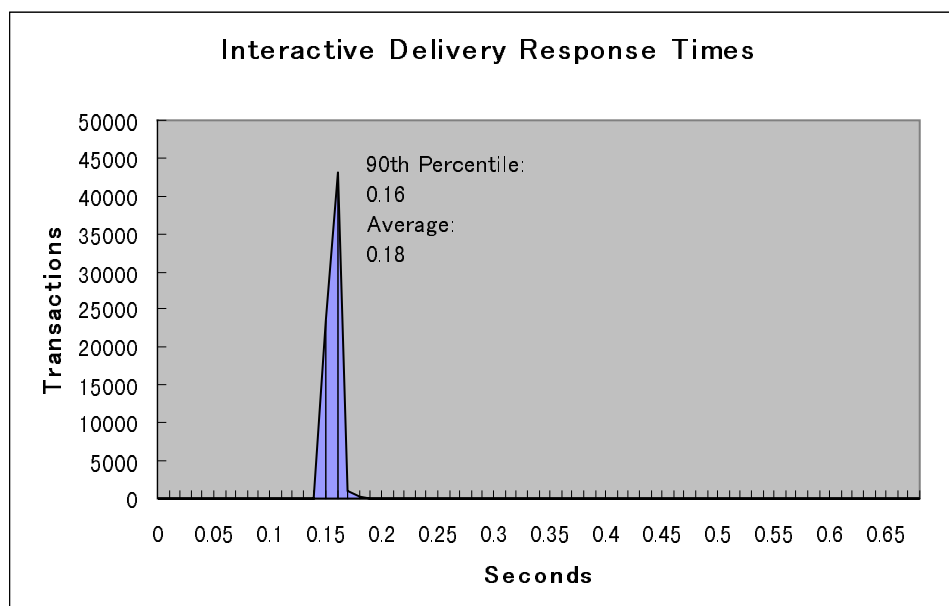


Figure 5.5: Stock Level Response Time Distribution

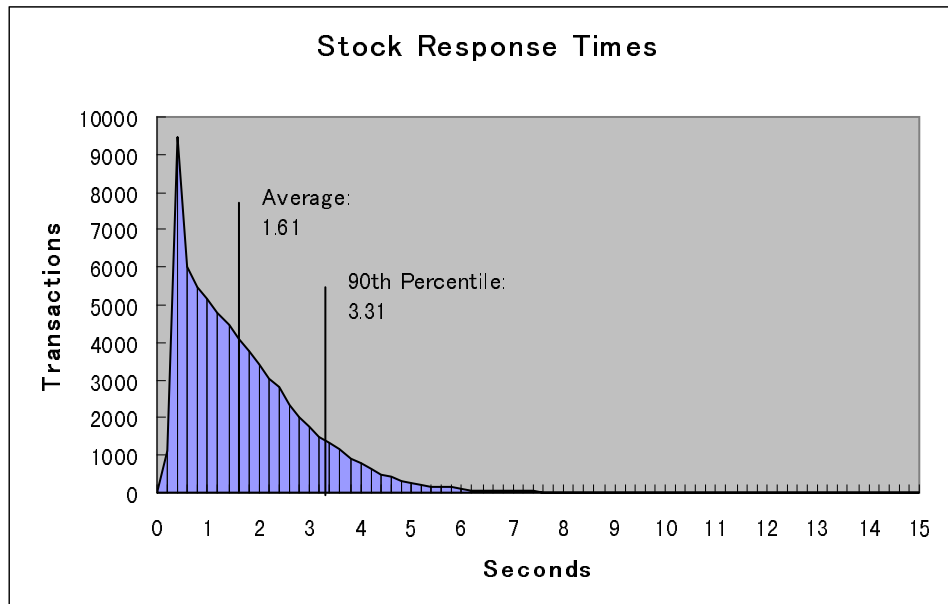


Figure 5.6: New Order Think Time Frequency Distribution

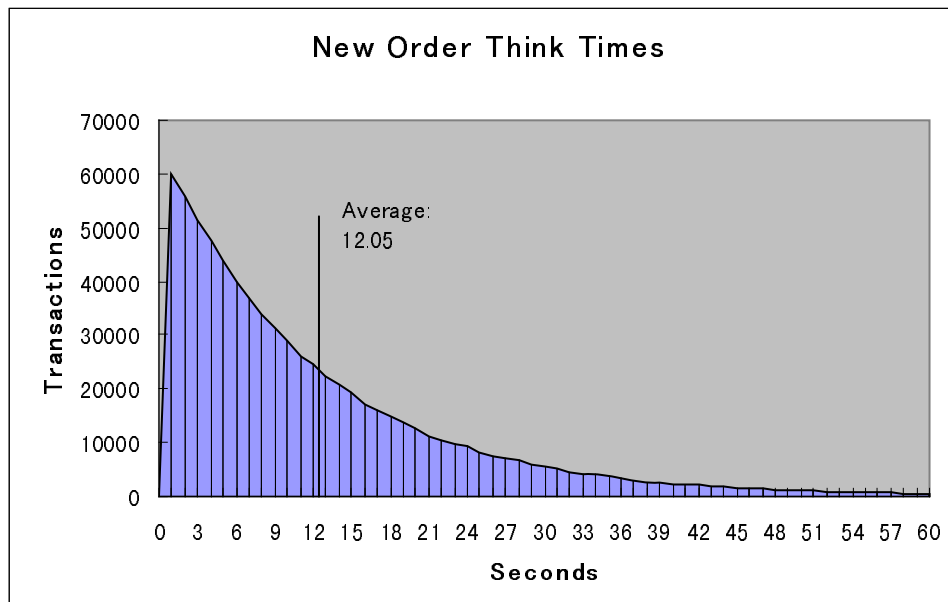


Figure 5.7: Response time versus Throughput

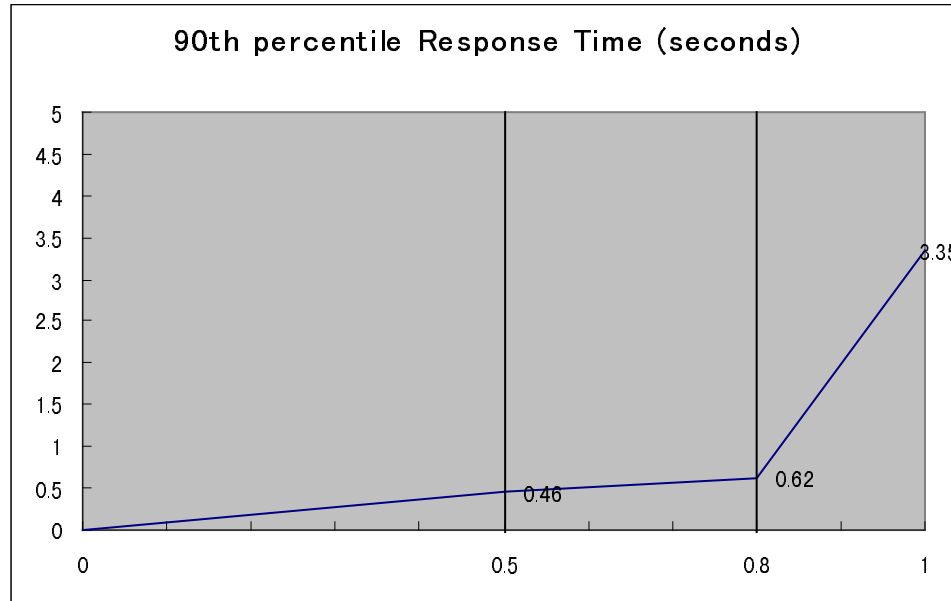
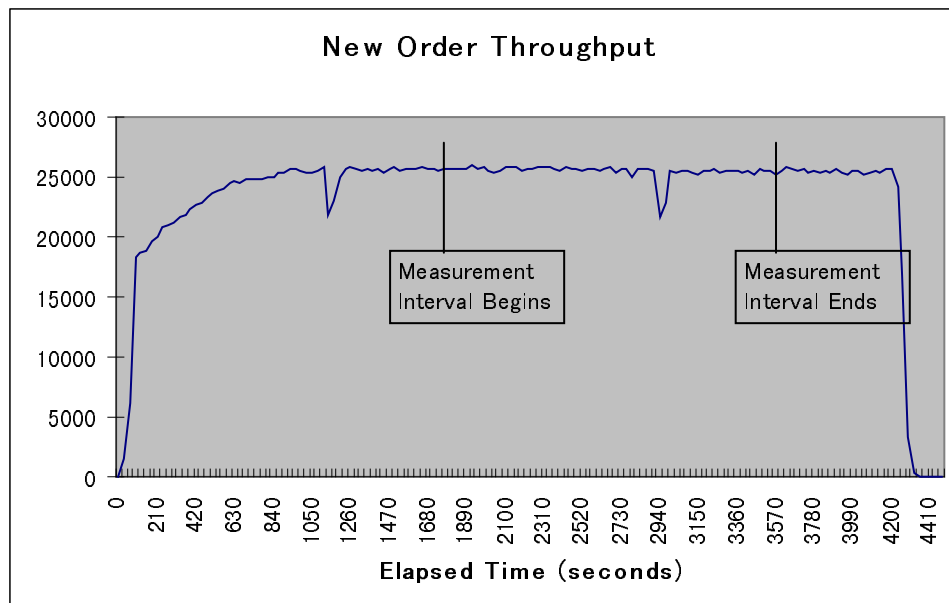


Figure 5.8: New Order Sustained Throughput





## 5.5 Steady State Determination

*The method used to determine that the SUT had reached a steady state prior to commencing the measurement interval must be disclosed.*

Steady state was determined by examining data reported for each 30-second interval over the duration of the measured run. Steady state was further confirmed by the throughput data collected during the run and graphed in Figure 5.8.

## 5.6 Work Performed During Steady State

*A description of how the work normally performed during a sustained test (for example checkpointing, writing redo/undo log records, etc.), actually occurred during the measurement interval must be reported.*

A SymfoWARE checkpoint forces all “dirty” pages (pages that have been updated since they were last written) to be physically written to the durable disks SymfoWARE executes a checkpoint for the following conditions:

1. The amount of recovery data reaches the value specified at the creation of the temporary log, which contains the before images and after images of each transaction. The interval the recovery data takes to reach the specified value depends upon workload. The temporary log is configured by the *rdblog* command.
2. Upon an explicit *rdbrcp* request.

For each benchmark measurement, after all users are active, the script that issues *rdbrcp* is started manually on the server. The script sleeps and performs another checkpoint every 30 minutes, which is equal to the measurement interval. *Rdbrcp* notifies the time upon the completion of the checkpoint and the start time and end time of all checkpoints are captured to a flat file. The recovery log is configured to be large enough that no other checkpoint will occur during the measurement. The recovery log is marked as reusable after the checkpoint completes. The positioning of the checkpoint is verified to be clear of the guard zones and is depicted on the graph in Figure 5.8.

## 5.7 Reproducibility

*A description of the method used to determine the reproducibility of the measurement results must be reported.*

The measurement procedure was repeated and the throughput verified to be within less than 2% of the reported measurement.

## 5.8 Measurement Period Duration

*A statement of the duration of the measurement interval for the reported Maximum Qualified Throughput (tpmC) must be included.*

The reported measured interval was exactly 30 minutes long.

## 5.9 Regulation of Transaction Mix

*The method of regulation of the transaction mix (e.g., card decks or weighted random distribution) must be described. If weighted distribution is used and the RTE adjusts the*

*weights associated with each transaction type, the maximum adjustments to the weight from the initial value must be disclosed.*

The RTE used the UNIX function `irand48()` to control the transaction mix, and could not be adjusted during the run.

## 5.10 Transaction Statistics

*The percentage of the total mix for each transaction type must be disclosed. The percentage of New-Order transactions rolled back as a result of invalid item number must be disclosed. The average number of order-lines entered per New-Order transaction must be disclosed. The percentage of remote order lines per New-Order transaction must be disclosed. The percentage of remote Payment transactions must be disclosed. The percentage of customer selections by customer last name in the Payment and Order-Status transactions must be disclosed. The percentage of Delivery transactions skipped due to there being fewer than necessary orders in the New-Order table must be disclosed.*

**Table 5.4: Transaction Statistics**

Statistics		Value
Transaction Mix	New Order	44.82%
	Payment	43.02%
	Order status	4.08%
	Delivery	4.04%
	Stock level	4.04%
New Order	Home warehouse order lines	99.00%
	Remote warehouse order lines	1.00%
	Rolled back transactions	1.00%
	Average items per order	10.00
Payment	Home warehouse	84.95%
	Remote warehouse	15.05%
	Accessed by last name	59.96%
Order Status	Accessed by last name	59.83%
Delivery	Skipped transactions	None

## 5.11 Checkpoint Count and Location

*The number of checkpoints in the Measurement Interval, the time in seconds from the start of the Measurement Interval to the first checkpoint, and the Checkpoint Interval must be disclosed.*

One checkpoint was recorded before the measured window opened and another checkpoint was started 1,200 seconds inside the measured window. Both checkpoints were clear of the guard zone. Checkpoints were started exactly 30 minutes apart.

## Clause 6 Related Items

### 6.1 RTE Descriptions

*If the RTE is commercially available, then its inputs must be specified. Otherwise, a description must be supplied of what inputs (e.g., scripts) to the RTE had been used.*

The RTE used was developed at Fujitsu Limited and is proprietary. It consists of an RTE management process as shown in Appendix C, which forks off the individual RTE processes and controls the run. After the run completes, a separate report generator program collects all the log files and generates the final statistics of a run.

Inputs to the RTE include the names of the RTE machine to run, client machines to attach to, the database scale, the ramp-up, measurement and ramp-down times. These come from the configuration script file for the RTE management process.

### 6.2 Emulated Components

*It must be demonstrated that the functionality and performance of the components being emulated in the Driver System are equivalent to the priced system. The results of the test described in Clause 6.6.3.4 must be disclosed.*

There were no emulated components in the benchmark configuration other than the emulated users' workstations.

### 6.3 Functional Diagrams

*A complete functional diagram of both the benchmark configuration and the configuration of the proposed (target) system must be disclosed. A detailed list of all hardware and software functionality being performed on the Driver System and its interface to the SUT must be disclosed.*

The driver system performed the data generation and input functions of the display device. It also captured the input and output data and timestamps for post-processing of the reported metrics. No other functionality was included on the driver system

The abstract at the beginning of this report contains detailed diagrams of both the benchmark configuration and the priced configuration, including the driver system.

## 6.4 Networks

*The network configuration of both the tested services and proposed (target) services which are being represented and a thorough explanation of exactly which parts of the proposed configuration are being replaced with the Driver System must be disclosed.*

*The bandwidth of the networks used in the tested/priced configuration must be disclosed.*

A 100Mbps ethernet LAN connection was used between each client and the server. Fifteen 10Mbps ethernet LAN connections were used between the emulated users and the client machines.

## 6.5 Operator Intervention

*If the configuration requires operator intervention (see Clause 6.6.6), the mechanism and the frequency of this intervention must be disclosed.*

This configuration does not require any operator intervention to sustain eight hours of the reported throughput, other than beginning the checkpointing process.

## Clause 7 Related Items

### 7.1 System Pricing

*A detailed list of hardware and software used in the priced system must be reported. Each separately orderable item must have vendor part number, description, and release/revision level, and either general availability status or committed delivery data. If package-pricing is used vendor part number of the package and a description uniquely identifying each of the components of the package must be disclosed. Pricing source and effective date(s) of price(s) must also be reported.*

*The total 5 year price of the entire configuration must be reported, including: hardware, software, and maintenance charges. Separate component pricing is recommended. The basis of all discounts used must be disclosed.*

A detailed price list is included in the abstract at the beginning of this report.

### 7.2 Availability

*The committed delivery date for general availability (availability date) of products used in the price calculation must be reported. When the priced system includes products with different availability dates, the reported availability date for the priced system must be the date at which all components are committed to be available.*

All hardware and software components will be available no later than January 16, 2000.

### 7.3 Throughput and Price Performance

*A statement of the measured tpmC as well as the respective calculations for the 5-year pricing, price/performance (price/tpmC), and the availability date must be included.*

Maximum Qualified Throughput:	25,440.60
Price per tpmC	\$28.57
Available	January 16, 2000

### 7.4 Country Specific Pricing

*Additional Clause 7 related items may be included in the Full Disclosure Report for each country specific priced configuration. Country specific pricing is subject to Clause 7.1.7*

This system is being priced for the United States of America.

### 7.5 Usage Pricing

*For any usage pricing, the sponsor must disclose:*

- *Usage level at which the component was priced.*
- *A statement of the company policy allowing such pricing.*

SymfoWARE is sold with a 200 user license. There were 120 connections between the clients and server.

## Clause 9 Related Items

### 9.1 Auditor's Report

*The auditor's name, address, phone number, and a copy of the auditor's attestation letter indication compliance must be included in the Full Disclosure Report.*

This implementation of the TPC Benchmark C was audited by Francois Raab of InfoSizing.

InfoSizing  
1373 North Franklin St.  
Colorado Springs, CO 80903-2527  
(voice) 719/473-7555  
(fax) 719/473-7554  
<http://www.sizing.com>

### 9.2 Availability of the Full Disclosure Report

*The Full Disclosure Report must be readily available to the public at a reasonable charge, similar to the charges for similar documents by the test sponsor. The report must be made available when results are made public. In order to use the phrase "TPC Benchmark™ C", the Full Disclosure Report must have been submitted to the TPC Administrator as well as written permission obtained to distribute same.*

Requests for this TPC Benchmark C Full Disclosure Report should be sent to:

Transaction Processing Performance Council  
c/o Shanley Public Relations  
777 North First Street, Suite 6000  
San Jose, CA 95112-6311  
408/295-8894





# Appendix A: Client Source Code

**File: bench2.h'**

```
/*
    bench2.h : Data structure for message
send/receive

    Version   Beta 1995/02/24
    Version   Beta2 1995/03/06
    Version   Beta2a 1995/03/14
    Version   Beta3 1995/03/23
    Version   1.0 1998/02/24 for Solaris 2.x
*/

typedef struct {
    int tx_type;
    int C_R;

    int errorpos; /* 1997.03.13 */
    int sqlstate; /* 1997.03.13 */

    short w_id;

    short d_id;

    short o_carrier_id;

    long startsec;
    long startusec;
} delivery_trans;

typedef struct {
    int tx_type;
    int C_R;

    int errorpos; /* 1997.03.13 */
    int sqlstate; /* 1997.03.13 */

    long threshold;
    long low_stock;

    short w_id;

    short d_id;
} stocklvl_trans;

typedef struct {
    int tx_type;
    int C_R;

    int errorpos; /* 1997.03.13 */
    int sqlstate; /* 1997.03.13 */

    short w_id;
    char w_street_1[21];
    char w_street_2[21];
    char w_city[21];
```

```

    char w_state[3];
    char w_zip[10];

    short d_id;
    char d_street_1[21];
    char d_street_2[21];
    char d_city[21];
    char d_state[3];
    char d_zip[10];

/*
    short c_id;*/
    int c_id;
    short c_d_id;
    short c_w_id;
    char c_first[17];
    char c_middle[3];
    char c_last[17];
    char c_street_1[21];
    char c_street_2[21];
    char c_city[21];
    char c_state[3];
    char c_zip[10];
    char c_phone[17];
    double c_since;
    char c_credit[3];
    double c_credit_lim;
/*long c_credit_lim;*/
    long c_discount;
    double c_balance;
/*long c_balance;*/
    char c_data[501];

    double h_date;
    long h_amount;
} payment_trans;

typedef struct {
    int tx_type;
    int C_R;

    int errorpos; /* 1997.03.13 */
    int sqlstate; /* 1997.03.13 */

    short w_id;

    short d_id;

/*
    short c_id;*/
    int c_id;
    char c_first[17];
    char c_middle[3];
    char c_last[17];
    double c_balance;
/*long c_balance;*/

    long o_id;
    double o_entry_d;
    short o_carrier_id;
    short o_ol_cnt;

    long ol_i_id[15];
    short ol_supply_w_id[15];
    double ol_delivery_d[15];
    short ol_quantity[15];
    long ol_amount[15];
/*double ol_amount[15];*/
} orderstat_trans;

typedef struct {
    int tx_type;
    int C_R;

    int errorpos; /* 1997.03.13 */
    int sqlstate; /* 1997.03.13 */

    char brand_generic[15];
    long i_price[15];
/*double i_price[15];*/
    char i_name[15][25];
    long total_amount;
/*double total_amount;*/

    short w_id;
    long w_tax;

    short d_id;
    long d_tax;

/*
    short c_id;*/
    int c_id;
    char c_last[17];
    char c_credit[3];
    long c_discount;

    long o_id;
    double o_entry_d;
    short o_ol_cnt;

    long ol_i_id[15];
    short ol_supply_w_id[15];
    short ol_quantity[15];
    long ol_amount[15];
/*double ol_amount[15];*/

    long s_quantity[15];
} neworder_trans;

#if 0

typedef struct {
    int tx_type;
    int C_R;
    long threshold;
    long low_stock;
    char brand_generic[15];
    long i_price[15];
/*double i_price[15];*/
    char i_name[15][25];
    long total_amount;
/*double total_amount;*/
    double pl_delivery_d[15];

    short w_id;
    char w_name[11];
    char w_street_1[21];
    char w_street_2[21];
    char w_city[21];
    char w_state[3];
    char w_zip[10];
    long w_tax;
    double w_ytd;

    short d_id;
```



```

#ifdef Symfo
    bp->C_R = 1;
#else
    bp->C_R = NOERR;
#endif

    return;
}

void dummy_stocklvl( stocklvl_trans *bp )
{
    int i;

#ifdef Symfo
    bp->C_R = 1;
#else
    bp->C_R = NOERR;
#endif

    do{
        i = rand()%1000;
    } while ( i > bp->threshold );

    bp->low_stock = i;

    return;
}

void dummy_payment( payment_trans *bp )
{
#ifdef Symfo
    bp->C_R = 1;
#else
    bp->C_R = NOERR;
#endif

    // get_datetimestr( bp->h_date );
    // check
    strcpy( bp->w_street_1, "Baker street" );
    strcpy( bp->w_street_2, "221B" );
    strcpy( bp->w_city, "London" );
    strcpy( bp->w_state, "GB" );
    strcpy( bp->w_zip, "88033000" );

    strcpy( bp->d_street_1, "Minato-ku" );
    strcpy( bp->d_street_2, "Azabu 10" );
    strcpy( bp->d_city, "Tokyo" );
    strcpy( bp->d_state, "JP" );
    strcpy( bp->d_zip, "102" );

    bp->c_id = 777;
    strcpy( bp->c_first, "John" );
    strcpy( bp->c_middle, "H" );
    strcpy( bp->c_last, "Watson" );
    strcpy( bp->c_street_1, "Baker street" );
    strcpy( bp->c_street_2, "221B" );
    strcpy( bp->c_credit, "GC" );

#ifdef Symfo
    bp->c_discount = 20;
#else
    bp->c_discount = (float)0.20;
    // check
#endif

    strcpy( bp->c_city, "London" );
    strcpy( bp->c_state, "GB" );
    strcpy( bp->c_zip, "888" );
    strcpy( bp->c_phone, "1234567890123456" );
    bp->c_balance = 67876;
    bp->c_credit_lim = 77777;
    // get_datestr( bp->c_since );
    // check

    strcpy( bp->c_data,
" Migyamigyamigyamigyamigya
      "migyamigyamigyamigyamigya" );
    return;
}

void dummy_orderstat( orderstat_trans *bp )
{
    int i, j;

#ifdef Symfo
    bp->C_R = 1;
#else
    bp->C_R = NOERR;
#endif

    bp->c_id = rand()%10000;
    strcpy( bp->c_first, "Robert" );
    strcpy( bp->c_middle, "L" );
    strcpy( bp->c_last, "Fish" );
    bp->c_balance = ( ( rand()*rand()%19999999 ) -
9999999 ) / (double)100.0;
/*
    fprintf( stderr, "ordout.c_balance = %12.4f\n", bp-
>ordout.c_balance );
    bp->c_balance = -1;
*/

    bp->o_id = rand()%10000;
    // get_datetimestr( bp->o_entry_d );
    // check
    bp->o_carrier_id = rand()%100;

    bp->o_ol_cnt = ( rand()%11 )+5;
    j = bp->o_ol_cnt;
    for ( i = 0; i < j; i++ )
    {
        bp->o_l_supply_w_id[i] = ( rand()%10 )+1;
        bp->o_l_i_id[i] = ( rand()%100000 )+1;
        bp->o_l_quantity[i] = ( rand()%99 )+1;
    }

#ifdef Symfo
    bp->o_l_amount[i] = (long)((float)rand() *
(float)100); // check
#else
    bp->o_l_amount[i] = (float)rand();
    // check
#endif

    // debug2( ( stderr, "rand : %f\n", bp-
>ordout.ol_amount[i] ) );

    // get_datetimestr( bp->o_delivery_d[i] );
    // check
}

return;
}

void dummy_neworder( neworder_trans *bp )
{
    static int o_id = 3001;
    int i;

#ifdef Symfo
    bp->C_R = 1;
#else
    bp->C_R = NOERR;
#endif

    // *( bp->status ) = '\0';
    // This value is nothing

    strcpy( bp->c_last, "Holmes" );
    strcpy( bp->c_credit, "GC" );
    bp->o_id = o_id++;
/*
    bp->newout.o_id = ( rand()%100000 )+1;
*/

    // get_datetimestr( bp->o_entry_d ); //
check

#ifdef Symfo
    bp->c_discount = (long)(rand()%101 ); //
check
    bp->w_tax = (long)( rand()%2001 ); //
check
    bp->d_tax = (long)( rand()%2001 ); //
check
#else
    bp->c_discount = (float)(( rand()%101 )/10000.0);
    // check
    bp->w_tax = (float)(( rand()%2001 )/10000.0);
    // check
    bp->d_tax = (float)(( rand()%2001 )/10000.0);
    // check
#endif

    bp->total_amount = 0;
    // check

    for ( i = 0; i < 15; i++ ){
        if ( bp->o_l_supply_w_id[i] == 0 ) {
            break;
        }
        if ( bp->o_l_i_id[i] == -1 ) {
            strcpy( bp->status, "Item number is
not valid" );
        }

        bp->i_name[i][0] = '\0';
        bp->s_quantity[i] = ( rand()%10 )+1;
        bp->brand_generic[i] = ( rand()%26 )+'A';
    }

#ifdef Symfo
    bp->i_price[i] = (long)(( rand()%10000 )+1 );
    // check
#else
    bp->i_price[i] =
(float)(( (rand()%10000)+1 )/100.0); // check
#endif

    bp->o_l_amount[i]

```

```

        = bp->i_price[i] * bp->o_l_quantity[i];
        // check
        bp->total_amount += bp->o_l_amount[i];
        // check
    }
    bp->o_o_cnt = i;

    return;
}

#endif

//
//

#ifdef DBPRT
void oder_dsp(rte_input_data *in_data,
              orderstat_trans *bp, int w_id, int
              d_flag)
{
    int i;

    if (d_flag == 0){
        fprintf (test_fp, "----- in data area ----- \n\n");
        fprintf (test_fp, "w_id = %d ", w_id);
        fprintf (test_fp, "d_id = %s ",in_data-
>D_ID);

        if (in_data->C_ID != 0)
            fprintf (test_fp, "c_id = %s \n",in_data-
>C_ID);

        if (in_data->C_LAST != 0)
            fprintf (test_fp, "c_last = %s \n",in_data-
>C_LAST);

        fprintf (test_fp, "----- trans buf area -----
\n\n");

        fprintf (test_fp, "w_id = %d ", bp->w_id);
        fprintf (test_fp, "d_id = %d ", bp->d_id);
        fprintf (test_fp, "c_id = %d\n", bp->c_id);
        if ( bp->c_last[0] == '\0' ) {
            fprintf (test_fp, "byname = %d \n", bp-
>ordin.bylastname);
        } else {
            fprintf (test_fp, "c_last = %s :byname
= %d\n",bp->ordin.c_last,
            // bp->ordin.bylastname);
        }
    }
    else {
        fprintf(test_fp, "----- trans buf area (after) ---
--\n\n");
        fprintf(test_fp,"w_id = %d ", bp->w_id);
        fprintf(test_fp,"d_id = %d ", bp->d_id);
        fprintf(test_fp,"c_id = %d\n", bp->c_id);
        fprintf(test_fp,"c_first=%s ", bp->c_first);
        fprintf(test_fp,"c_middl=%s ", bp->c_middle);
        fprintf(test_fp,"c_last =%s\n", bp->c_last);

        fprintf(test_fp,"c_balanc=%f ", bp->c_balance);
        fprintf(test_fp,"o_id =%d ", bp->o_id);
        fprintf(test_fp,"o_entry_d=%s\n", bp->o_entry_d );
        // check

        if ( bp->o_carrier_id != 0 ) {
            fprintf(test_fp,"o_carrier_id=%d\n", bp-
>o_carrier_id);
        }
    }
}

```

```

    for( i = 0; i < bp->o_o_cnt; i++ ){
        fprintf(test_fp,"ol_supp=%d ", bp-
>ol_supply_w_id[i]);
        fprintf(test_fp,"ol_i_id=%d ", bp->ol_i_id[i]);
        fprintf(test_fp,"ol_quan=%d ", bp-
>ol_quantity[i]);
        fprintf(test_fp,"ol_amou=%f\n", bp-
>ol_amount[i]);
    }
}

void pay_dsp(rte_input_data *in_data,
            payment_trans *bp, int w_id, int
            d_flag)
{
    int i;

    if (d_flag == 0){
        fprintf (test_fp, "----- in data area ----- \n\n");
        fprintf (test_fp, "w_id = %d ", w_id);
        fprintf (test_fp, "d_id = %s ",in_data-
>D_ID);

        fprintf (test_fp, "c_w_id=%s ",in_data-
>C_W_ID);
        fprintf (test_fp, "c_d_id=%s ",in_data-
>C_D_ID);
        fprintf (test_fp, "h_amount=%s \n",in_data-
>H_AMOUNT);

        if (in_data->C_ID != 0)
            fprintf (test_fp, "c_id = %s
\n",in_data->C_ID);
        if (in_data->C_LAST != 0)
            fprintf (test_fp, "c_last = %s
\n",in_data->C_LAST);

        fprintf (test_fp, "----- trans buf area -----
\n\n");
        fprintf (test_fp, "w_id = %d ", bp->w_id);
        fprintf (test_fp, "d_id = %d ", bp->d_id);
        fprintf (test_fp, "c_id = %d ", bp->c_id);
        if ( bp->c_last[0] == '\0' ) {
            fprintf (test_fp, "byname = %d \n", bp-
>payin.bylastname);
        } else {
            fprintf (test_fp, "c_last = %s :byname
= %d\n",bp->payin.c_last,
            // bp->payin.bylastname);
        }
    }
    else {
        fprintf (test_fp, "c_w_id=%d ",bp->c_w_id);
        fprintf (test_fp, "c_d_id=%d ",bp->c_d_id);
        fprintf (test_fp, "h_amount=%f \n",bp-
>h_amount);
    }
    else {
        fprintf (test_fp, "----- trans buf area (after) ---
--\n\n");
        fprintf(test_fp,"w_id = %d ", bp->w_id);
        fprintf(test_fp,"d_id = %d ", bp->d_id);
        fprintf(test_fp,"c_id = %d\n", bp->c_id);

        fprintf(test_fp,"w_str_1=%s ",bp-
>w_street_1);
    }
}

```

```

        fprintf(test_fp,"w_str_2=%s\n",bp-
>w_street_2);
        fprintf(test_fp,"d_str_1=%s ",bp-
>d_street_1);
        fprintf(test_fp,"d_str_2=%s\n",bp-
>d_street_2);
        fprintf(test_fp,"w_city=%s ", bp->w_city);
        fprintf(test_fp,"w_state=%s\n",bp-
>w_state);
        fprintf(test_fp,"d_city=%s ", bp->d_city);
        fprintf(test_fp,"d_state=%s\n",bp->d_state);

        fprintf(test_fp,"c_w_id=%d ", bp->c_w_id);
        fprintf(test_fp,"d_w_id=%d\n", bp->c_d_id);

        fprintf(test_fp,"c_first=%s ", bp->c_first);
        fprintf(test_fp,"c_middl=%s ", bp-
>c_middle);
        fprintf(test_fp,"c_last =%s\n",bp->c_last);

        fprintf(test_fp,"c_str_1=%s ",bp-
>c_street_1);
        fprintf(test_fp,"c_str_2=%s\n",bp-
>c_street_2);
        fprintf(test_fp,"c_city=%s\n", bp->c_city);
        fprintf(test_fp,"c_credi=%s ",bp->c_credit);
        fprintf(test_fp,"c_state=%s\n", bp->c_state);

        fprintf(test_fp,"c_balanc=%f\n", bp->c_balance);

        i = strlen( bp->c_data );
        fprintf(test_fp,"c_date=%s\n", bp->c_data);
    }
}

void sto_dsp(rte_input_data *in_data,
            stocklvl_trans *bp, int w_id, int d_id,
            int d_flag)
{
    if (d_flag == 0){
        fprintf (test_fp, "----- in data area ----- \n\n");

        fprintf(test_fp,"w_id = %d ", w_id);
        fprintf(test_fp,"d_id = %d ", d_id);
        fprintf (test_fp, "threshold= %s \n",in_data-
>threshold);

        fprintf (test_fp, "----- trans buf area -----
\n\n");
        fprintf (test_fp, "w_id = %d ", bp->w_id);
        fprintf (test_fp, "d_id = %d ", bp->d_id);
        fprintf (test_fp, "threshold= %d \n",bp-
>threshold);
    }
    else{
        fprintf (test_fp, "----- trans buf area (after) -----
\n\n");
        fprintf (test_fp, "w_id = %d ", bp->w_id);
        fprintf (test_fp, "d_id = %d ", bp->d_id);
        fprintf (test_fp, "threshold= %d ",bp->threshold);
        fprintf (test_fp, "low_stock= %d \n",bp-
>low_stock);
    }
}

void new_dsp(rte_input_data *in_data,

```







```
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\r\n
<INPUT TYPE="submit" NAME="b" VALUE="New
order">\
<INPUT TYPE="submit" NAME="b"
VALUE="Payment">\
<INPUT TYPE="submit" NAME="b"
VALUE="Delivery">\
<INPUT TYPE="submit" NAME="b" VALUE="Order
Status">\
<INPUT TYPE="submit" NAME="b" VALUE="Stock
Level">\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</FORM></BODY></HTML>"

/* Offset to field which should set data */
int orderp[] = {
0x0B, 0x1C,
0x2a, 0x37, 0x49, 0x4c,
0x6c,
0x87, 0x9e, 0xc4,
0x105, 0x110, 0x11b, 0x123, 0x131}; /* offset 0x39 */

File: paypage.h
- -----
- paypage.h
  data of Payment transaction result screen (HTML
  form)
-

/* Header data */
#define h_pay1 "\
<HTML><HEAD><TITLE>TPC-
WINDOW</TITLE></HEAD><BODY>\r\n\
<CENTER>Payment<BR></CENTER><font
size=4>\r\n<PRE>"

/* Screen data*/
#define h_pay2 "\
Date: - - : : \r\n\
\r\n\
Warehouse:          District: \r\n\
"

#define h_pay4 "\
\r\n\
Customer:    Cust-Warehouse:    Cust-District:
\r\n\
Name:                Since: - - \r\n"
/*
          Credit: \r\n\
          %Disc: . \r\n\

*/

#define h_pay5 "\
\r\n\
\r\n\
Amount Paid:    $ .    New Cust-Balance:
$ . \r\n\
Credit Limit: $ . \r\n\
\r\n\
Cust-Data: "
/*

Cust-Data:          \r\n\
\r\n\
\r\n\
*/

/* Tailer data */
#define h_pay3 "\
</PRE>\
<FORM ACTION="%s" METHOD="GET">\r\n\
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\r\n\
<INPUT TYPE="submit" NAME="b" VALUE="New
order">\
<INPUT TYPE="submit" NAME="b"
VALUE="Payment">\
<INPUT TYPE="submit" NAME="b"
VALUE="Delivery">\
<INPUT TYPE="submit" NAME="b" VALUE="Order
Status">\
<INPUT TYPE="submit" NAME="b" VALUE="Stock
Level">\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</FORM></BODY></HTML>"

/* Offset to field which should set data */
int payp[] = {
0x06,
0x29, 0x51,
0x55, 0x7e,
0x94, 0xbd,
0xd3, 0xe8, 0xeb, 0xf1, 0xfc, 0x111, 0x114, 0x11a,
0x12c, 0x142, 0x157,
0x163, 0x174, 0x177, 0x194, /* 18 - 21 */
0x1a8, 0x1d9, /* 22, 23 */
0x1e5, 0x216, /* 24, 25 */
0x225, 0x23a, 0x23d, 0x256,
0x284, 0x2a4,
0x2c5,
0x2e1, /* offset 0x3e */
0x320,
0x35f,
0x39e};

File: Resource.h
//{{NO_DEPENDENCIES}}
// Microsoft Visual C++ generated include file.
// Used by tpapl.rc
//

#define IDS_SERVER 102

#define _APS_NEXT_RESOURCE_VALUE 103
#define _APS_NEXT_CONTROL_VALUE 103
#define _APS_NEXT_SYMED_VALUE 103
#define _APS_NEXT_COMMAND_VALUE 32768

File: StdAfx.cpp
// stdafx.cpp :
// tpapl.pch :
// stdafx.obj :

#include "stdafx.h"

File: StdAfx.h
//{{AFX_INSERT_LOCATION}}
// Microsoft Visual C++ will insert additional declarations
// here to support various compilable options

// stpage.h
// data of Stock Level transaction result screen (HTML
// form)
-
- */

/* Header data */
#define h_stock1 "\
<HTML><HEAD><TITLE>TPC-
WINDOW</TITLE></HEAD><BODY>\
<CENTER>Stock-Level<BR></CENTER>\
<font size=4>\r\n<PRE>"

/* Screen data*/
#define h_stock2 "\
Warehouse:  District: \r\n\
\r\n\
Stock Level Threshold: \r\n\
\r\n\
low stock: \r\n\
\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n\r\n"

/* Tailer data */
#define h_stock3 "\
</PRE>\
<FORM ACTION="%s" METHOD="GET">\r\n\
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\r\n\
<INPUT TYPE="submit" NAME="b" VALUE="New
order">\
<INPUT TYPE="submit" NAME="b"
VALUE="Payment">\
<INPUT TYPE="submit" NAME="b"
VALUE="Delivery">\
<INPUT TYPE="submit" NAME="b" VALUE="Order
Status">\
<INPUT TYPE="submit" NAME="b" VALUE="Stock
Level">\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</FORM></BODY></HTML>\n"

/* Offset to field which should set data */
int stockp[] = {
```

```
0x0B, 0x1C,
0x39,
0x4a);
```

**File: tpapl.cpp**

```
//
// TPC-C Client Application Program Source
//
// tpapl Extension
//
#include "stdafx.h"
#include "tpapl.h"

#include "tpccis.h"
#include "tpcc_info.h"
#include "trans.h"
#include "bench2.h"
#include "dbgprt.h"

// HTML-Page Data
#include "tpcweb.h"
#include "tpcinweb.h"
#include "menupage.h"
#include "newpage.h"
#include "paypage.h"
#include "odrpge.h"
#include "delpage.h"
#include "stpage.h"

#include "ATMI.H" // TP-BASE include File

#ifdef USE_FML
# include "fml.h"
# include "fldtbl.h" // Create by mkfldhdr cmdnd.
#endif

char *point;
FILE *envget;
FILE *errfile;

#include "dmy.h" // For debug

static TPINIT *tpinf;
static DWORD TLSIsTpInitedKey;
static int ThrTpInit();

//
// The date data is converted. (The time data is not
// contained.)
// Numeric data is converted into character string data.
//
void convert_time( char *save_p, double time )
{
    struct tm tim;
    time_t tt = ( time_t )time;

    tim = *( localtime( &tt ) );

    sprintf( save_p, "%02d-%02d-%04d",
            tim.tm_mday, tim.tm_mon+1, tim.tm_year
+ 1900,
)
}

/*
Thread tpinit()
Thread tpinit() TLS

tpinit()
tpinit()

Tpinit() is executed with each thread.
The flag in the TLS region is checked, and whether
corresponding thread has executed
function tpinit is judged.
When function tpinit is unexecution, the flag is not
set.
When function tpinit is executed, the flag is set.
*/
static int ThrTpInit()

static int num_tpinit=0;
static int x=1;
static int once=0;
static CRITICAL_SECTION TpCriticalSection;
int lasterr, iRc, TpRc;
int retry = 0;
BOOL Success = FALSE;

// Whether the key data is set is checked.
if(!TLSGetValue(TLSIsTpInitedKey)) {

// If the key data is not set
FILE *fp;
fp = fopen("c:\\tuxlog\\tpapl.log", "ab");

if (!once)

InitializeCriticalSection(&TpCriticalSection);
once=1;

fprintf(fp, "- Start -----
\\n");
}

#ifdef DBPRT
fprintf(fp, "** In ThrTpInit Thread %d * \\n",
GetCurrentThreadId());
#endif
fclose(fp);

while ( retry < 10 )

EnterCriticalSection(&TpCriticalSection);

// Execute tpalloc()
```

```
if(tpinf == NULL)

if ((tpinf = ( TPINIT *)tpalloc("TPINIT",
NULL, sizeof(TPINIT))) == NULL)

LeaveCriticalSection(&TpCriticalSection);
TpRc = tperrno;

{
FILE *fp;
fp =
fopen("c:\\tuxlog\\tpapl.log", "ab");
fprintf(fp, "> ThrTpInit:%d :
tpalloc of tpinit failed: %d : %s\\n",
GetCurrentThreadId(),
TpRc, tpsterror(TpRc));
fclose(fp);
}
retry++;
continue;

}

tpinf-
>flags|=TPMULTICONTEXTS;
}

// Execute tpinit()
iRc = tpinit(tpinf);
TpRc = tperrno;

// check return code
if (iRc < 0)
// if tpinit abnormal end

LeaveCriticalSection(&TpCriticalSection);
retry++;
lasterr = GetLastError();
}
else
// if tpinit() normal end
Success = TRUE;

LeaveCriticalSection(&TpCriticalSection);
break;

Sleep(5); // Relinquish thread
} // retry the tpinit if it failed the first time

// if tpinit() abnormal end
if ( Success == FALSE )
{
char ebuf[128];
sprintf(ebuf,
"False : ThrTpInit %d : Cannot tpinit
after %d tries iRc = %d LastErr = %d \\n",
GetCurrentThreadId(), 1, iRc, lasterr);

FILE *fp;
fp = fopen("c:\\tuxlog\\tpapl.log",
"ab");

fprintf(fp, "%s\\n", ebuf);
fclose(fp);

}
return -1;
}
```

```
if(tpinf == NULL)

if ((tpinf = ( TPINIT *)tpalloc("TPINIT",
NULL, sizeof(TPINIT))) == NULL)

LeaveCriticalSection(&TpCriticalSection);
TpRc = tperrno;

{
FILE *fp;
fp =
fopen("c:\\tuxlog\\tpapl.log", "ab");
fprintf(fp, "> ThrTpInit:%d :
tpalloc of tpinit failed: %d : %s\\n",
GetCurrentThreadId(),
TpRc, tpsterror(TpRc));
fclose(fp);
}
retry++;
continue;

}

tpinf-
>flags|=TPMULTICONTEXTS;
}

// Execute tpinit()
iRc = tpinit(tpinf);
TpRc = tperrno;

// check return code
if (iRc < 0)
// if tpinit abnormal end

LeaveCriticalSection(&TpCriticalSection);
retry++;
lasterr = GetLastError();
}
else
// if tpinit() normal end
Success = TRUE;

LeaveCriticalSection(&TpCriticalSection);
break;

Sleep(5); // Relinquish thread
} // retry the tpinit if it failed the first time

// if tpinit() abnormal end
if ( Success == FALSE )
{
char ebuf[128];
sprintf(ebuf,
"False : ThrTpInit %d : Cannot tpinit
after %d tries iRc = %d LastErr = %d \\n",
GetCurrentThreadId(), 1, iRc, lasterr);

FILE *fp;
fp = fopen("c:\\tuxlog\\tpapl.log",
"ab");

fprintf(fp, "%s\\n", ebuf);
fclose(fp);

}
return -1;
}
```



```

        // if tpinit() normal end
        if ( Success == TRUE )

            if ( retry > 0 )
                char ebuf[128];
                sprintf(ebuf,
                    "Success : ThrTpnit %d: Cannot
tpinit after %d tries iRc = %d LastErr = %d\r\n",
                    GetCurrentThreadId(), 10, iRc,
lasterr);
                sprintf(ebuf,
                    "Success : ThrTpnit Thread %d
Success retry count %d with LastErr = %d *\r\n",
                    GetCurrentThreadId(), retry,
lasterr);

                FILE *fp;
                fp = fopen("c:\\tuxlog\\tpapl.log",
"ab");
                fprintf(fp,"%s\n", ebuf);
                fclose(fp);
            }

            if
(( iRc=TLsSetValue(TLSIsTpnitedKey,&x)) == 0) { //?
                FILE *fp;
                fp = fopen("c:\\tuxlog\\tpapl.log",
"ab");
                fprintf(fp, "> ThrTpnit %d :
TLsSetValue Failed iRc: %d \r\n",
                    GetCurrentThreadId(),
iRc);
                fclose(fp);
            }
        }
    }
}
else
    // If the key data is set
#ifdef DBORT
    FILE *fp;
    fp = fopen("c:\\tuxlog\\tpapl.log", "ab");
    fprintf(fp, "ThrTpnit Thread %d already
tpinited * (%x) \r\n",
        GetCurrentThreadId(), tpinf->flags);
    fclose(fp);
#endif
}

return 0;
}

/*
    check HTML form
*/

int checkHTMLform( char *str, char *buffer)
{
    int length;
    int cnt1;
    int cnt2 = 0;
    int newlength = 0;

    length = strlen( str );

```

```

        for (cnt1 = 0; cnt1 < length; cnt1++){

            if ( *(str + cnt1) == '&'){
                *(buffer + cnt2) = '&'; cnt2++;
                *(buffer + cnt2) = 'a'; cnt2++;
                *(buffer + cnt2) = 'm'; cnt2++;
                *(buffer + cnt2) = 'p'; cnt2++;
                *(buffer + cnt2) = ';'; cnt2++;
            }
            else if ( *(str + cnt1) == '<') {
                *(buffer + cnt2) = '&'; cnt2++;
                *(buffer + cnt2) = 'l'; cnt2++;
                *(buffer + cnt2) = 't'; cnt2++;
                *(buffer + cnt2) = ';'; cnt2++;
            }
            else if ( *(str + cnt1) == '>') {
                *(buffer + cnt2) = '&'; cnt2++;
                *(buffer + cnt2) = 'g'; cnt2++;
                *(buffer + cnt2) = 't'; cnt2++;
                *(buffer + cnt2) = ';'; cnt2++;
            }
            else if ( *(str + cnt1) == '"') {
                *(buffer + cnt2) = '&'; cnt2++;
                *(buffer + cnt2) = 'q'; cnt2++;
                *(buffer + cnt2) = 'u'; cnt2++;
                *(buffer + cnt2) = 'a'; cnt2++;
                *(buffer + cnt2) = 't'; cnt2++;
                *(buffer + cnt2) = ';'; cnt2++;
            }
            else {
                *(buffer + cnt2) = *(str + cnt1);
            }
        }

        *(buffer + cnt2) = 0;
        return ( strlen (buffer) );
    }

/*
    alp2str : Outputs a string into the memory space
supplied.

    field = the destination field
    field_size = number of characters to output
    string = alpha string to be displayed
*/

void alp2str(char *str, int len, char *alp)
{
    int cnt;

    cnt = strlen (alp);
    strncpy (str, alp, len); /* copy to destination area */

    /* len */
    /* If not coming up to the specified length then set
the blank. */
    if ( len - cnt > 0 )
        memset ( &str[cnt], ' ', len - cnt);
}

/*
    int2str : Converts an integer value to a string of a
specified length and
    outputs the string to the memory buffer supplied.

```

```

    field = the destination field
    field_size = number of characters to output
    value = integer to be displayed
*/

void int2str(char *str, int len, int num)
{
    int cnt;

    for (cnt = len - 1; cnt >= 0; cnt--){

        str[cnt] = (num % 10) + '0';
        num /= 10;
    }

    for (cnt = 0; cnt < len-1; cnt++){

        if (str[cnt] == '0')
            str[cnt] = ' ';
        else
            return;
    }
}

/*
    int3str : Converts an integer value to a string of a
specified length and
    outputs the string to the memory buffer supplied.

    field = the destination field
    field_size = number of characters to output
    value = integer to be displayed
*/

void int3str(char *str, int len, int num)
{
    int cnt;

    for (cnt = len - 1; cnt >= 0; cnt--){

        str[cnt] = (num % 10) + '0';
        num /= 10;
    }
}

/*
    date2str : Outputs a date in the supplied buffer in the
following format:
    DD-MM-YYYY

    field = the destination field
    date = date to be converted and displayed
*/

void date2str(char *str, char *time)
{
    int year, month, day;

#ifdef DBPRT
    fprintf (test_fp, "date2: %s\n", time);
#endif
    sscanf( time, "%d-%d-%d", &day, &month, &year );

    int3str (str, 2, day);
    str[2] = '-';
    int3str (&str[3], 2, month);
    str[5] = '-';
    int3str (&str[6], 4, year);
}

```

```

}

/*
time2str:
Outputs a date and time in the supplied buffer in the
following format:
DD-MM-YYYY hh:mm:ss

field = the destination field
date = date and time to be converted and displayed
*/
void time2str(char *str, char *time)
{
    int year, month, day, hour, min, sec;

#ifdef DBPRT
    fprintf(test_fp, "time2: %s\n", time);
#endif
    sscanf(time, "%d-%d-%d %d:%d:%d",
           &day, &month, &year, &hour, &min, &sec);

    int3str(str, 2, day);
    str[2] = ':';

    int3str(&str[3], 2, month);
    str[5] = ':';

    int3str(&str[6], 4, year);
    str[10] = '\0';

    int3str(&str[11], 2, hour);
    str[13] = ':';

    int3str(&str[14], 2, min);
    str[16] = '\0';

    int3str(&str[17], 2, sec);
}

/*
dec2str:
Converts a double precision floating point value to a
string of
a specified length and outputs the string to the
memory buffer supplied.
This routine assumes the following restrictions apply:
Precision is fixed at 2 places to the right of the
decimal point.
No string length will be less than 4.

field = the destination field
field_size = number of characters to output
value = floating point number to be displayed
*/
void dec2str(char *str, int len, double num)
{
    int dec, sign, i, cnt;
    char *string;

    string = ecvt(num, len-1, &dec, &sign);

    /* dec =          sign = 0, 1, string =
*/
    if (dec > 0) {

```

```

/* if the integer part is not zero ..
Example : num data is 1234.56 */
cnt = (len - 3) - dec;

/*          : "0012" -> " 12" */
/* If the high-order digit is zero , zero is changed at
the blank */
for (i = 0; i < cnt; i++){
    /* pad with blank in the high part of the
number */
    str[i] = ' ';
}

/* The high-order digit set to the output
area: */
for (; i < (len - 3);
    str[i] = *(string++);
}
else
/* If the integer part is zero ... Example:
num data is 0.12 */
cnt = len - 4;

for (i = 0; i < cnt; i++){
    /* pad with blank in the high part of
the number */
    str[i] = ' ';
}
str[i++] = '0';

for (; dec < 0 && i < len; dec++, i++){
    /* pad with 0's in the high part of the
fraction */
    str[i] = '0';
}

for (; i < len; i++){
    /* copy the decimal portion (2 places) */
    str[i] = *(string++);
}
}

/*
sigdec2str:
Converts a double precision floating point value to a
string of
a specified length and outputs the string to the
supplied buffer.
If the value is negative, the first character will be a
minus sign (-).

field = the destination field
field_size = number of characters to output
value = floating point number to be displayed
*/
void sigdec2str(char *str, int len, double num)
{
    if (num >= 0.0) {
        str[0] = ' ';
        dec2str(&str[1], len - 1, num);
    } else {
        str[0] = '-';
        dec2str(&str[1], len - 1, -num);
    }
}

```

```

}

/*
zip2str:
Outputs a zipcode in the supplied buffer in the
following format:
XXXXX-XXXX

str = the destination field
zip = the zipcode to be output
*/
void zip2str(char *str, char *zip)
{
    alp2str(str, 5, zip);
    str[5] = '-';
    alp2str(&str[6], 4, &zip[5]);
}

/*
phone2str:
Outputs a phone number in the supplied buffer in the
following format:
XXXXXX-XXX-XXX-XXXX

str = the destination field
phone = the phone number to be output
*/
void phone2str(char *str, char *phone)
{
    alp2str(str, 6, phone);
    str[6] = '-';

    alp2str(&str[7], 3, &phone[6]);
    str[10] = '-';

    alp2str(&str[11], 3, &phone[9]);
    str[14] = '-';

    alp2str(&str[15], 4, &phone[12]);
}

#define numcheck(num) ( 0x30 <= num && num <=
0x39 ) /* 0 - 9 */
#define alpccheck(num) ( 0x41 <= num && num <=
0x5a ) /* A - Z */

/*
str2int :
takes a string, makes sure it's not too long, and
ensures that it
represents an integer.
If it does, the corresponding int value is returned.

-3: there is not string data.
-2: find not character data.
-1: string data is too many long
*/
int str2int(char *str, int field_len) {
    int x;

    if(str == 0 || !(x = strlen(str))) return -3;
    if(x > field_len){
        if (strchr(str, '%') != 0) /* 98.8.3 :
*/

```

```

        return -2;
    else
        return -1;
}
else{
    for( ; x ; x--){
        if (!numcheck(str[x-1]))
            return -2;
    }
}
return atoi(str);
}
/*
str2short :
takes a string, makes sure it's not too long, and
ensures that it
represents an integer.
If it does, the corresponding short value is returned.

-3: there is not string data.
-2: find not character data.
-1: string data is too many long
*/

short str2short(char *str, int field_len) {
    int x;

    if(str == 0 || !(x = strlen(str))) return -3;
    if(x > field_len){
        if (strchr (str, '%') != 0) /* 98.8.3 :
*/
            return -2;
        else
            return -1;
    }
    else {
        for( ; x ; x--){
            if (!numcheck(str[x-1]))
                return -2;
        }
    }
    x = atoi(str);
    return (short)x;
}

/*
str2str :
makes sure the string exists and isn't too long.

-1: string data is too many long
-2: find not figure data.
0: there is not string data.
1: normal end
*/
int str2str(char *str, int field_len) {
    int x;

    if (str == 0 || !(x = strlen (str))) return 0;

    if(x > field_len) {
        if (strchr (str, '%') != 0) /* 98.8.3 :
*/
            return -2;
        else
            return -1;
    }
}

```

```

    else {
        for( ; x ; x--){
            if (!alpcheck(str[x-1]))
                return -2;
        }
    }
    return 1;
}
/*
str2dbl :
takes a string, makes sure it's not too long, and
makes sure that it
represents a floating point number.
If so, delete the decimal point.
As a result, the value is increased hundredfold.
this function is returned integer value.

!! This function use Payment transaction only.

-3: there is not string data.
-2: find not character data.
-1: string data is too many long
*/

int str2dbl(char *str, int field_len) {
    int x, len, cnt;
    char NUM[7];

    char pointf = 0;
    int fcnt = 2; /* */

    if(str == 0 || !(x = strlen(str))) return -3;
    len = x;

    if(x > field_len){
        if (strchr (str, '%') != 0) /* 98.8.3 :
*/
            return -2;
        else
            return -1;
    }
    else{
        /* check string data */
        for(;x;x--){
            if(numcheck(str[x-1]));
            else if((str[x-1] == '.') && ((len - x) < 3));
            else if((str[x-1] == '-') && (x == 1));
            else if((str[x-1] == '+') && (x == 1));
            else return -2;
        }
    }

    /* delete the decimal point. As a result,do
hundredfold the value.*/
    for (cnt = 0, x = 0; x < len; x++){

        if (str[x] == '.') {
            /* find the decimal point. set point flag.*/
            pointf = 1;
        } else
            /* set character to work buffer.*/
            NUM[cnt] = str[x]; cnt++;

        /* The figure below the decimal point was
detected */

```

```

        if ( pointf == 1 ) (fcnt--);
    }
}

if ( pointf == 1 && fcnt > 0 ){
    /*There was no figure below the decimal
point or only one digit was
found.*/
    for ( ; fcnt > 0 ; fcnt-- ) {
        NUM[cnt++] = '0';
    }
}
else if ( pointf == 0 ) {
    /* There is no decimal point.
*/
    NUM[cnt++] = '0'; NUM[cnt++] = '0';
}

NUM[cnt] = 0;

return (atoi(NUM));
}

/*
struct_init :
init_ptrs sets everything in the annoyingly long
raw_form_data structure
to zero.
*/

void struct_init (rte_input_data *in_data) {

    int cnt = 0;

    in_data->button = 0;
    in_data->cookie = 0;
    in_data->form = 0;
    in_data->O_CARRIER_ID = 0;
    in_data->threshold = 0;
    in_data->D_ID = 0;
    in_data->C_ID = 0;
    in_data->C_W_ID = 0;
    in_data->C_D_ID = 0;
    in_data->C_LAST = 0;
    in_data->H_AMOUNT = 0;

    for (cnt = 0; cnt < 15; cnt++){
        in_data->OL_SUPPLY_W_ID[cnt] = 0;
    }

    for (cnt = 0; cnt < 15; cnt++){
        in_data->OL_I_ID[cnt] = 0;
    }

    for (cnt = 0; cnt < 15; cnt++){
        in_data->OL_QUANTITY[cnt] = 0;
    }
}

/*
para_split :

(QueryString)

: NULL NULL

Split divides up a string based on the first instance of
a specified
delimiter ('sp'). The first instance of 'sp' is converted
to a NULL

```

and the address of the first character of the second half is returned.

Thus the user has the first half (which he passed in and still has) and

the second half (which was returned) with a NULL between them. Yay.

(Yes, strtok does this, sort of, but I can't nest strtok calls.)

```

*/
char *para_split(char *para, char delimita) {
    char *point;

    /* The address of the delimitation character is
    calculated */
    /*          */
    if ((point = strchr (para, delimita)) == NULL)
        return (char *)0;

    /* The delimitation character is replaced with NULL */
    *point = '\0';          /*          */

    /* The first position of the analyzed variable is
    returned.*/
    return (point + 1);    /*          */
}

/*
anly_para :
QueryString

:

Gets the query string and finds every variable=value
pair contained
within it. For every pair, it runs the variable name
through a really
big compound switch statement that matches for
specific variables we
want to catch. When we find a known variable name,
we stick a pointer
to its corresponding value into the appropriate
member of 'ptrs.'

query - a 1024 byte buffer that contains the query
string.
ptrs - a raw_form_data structure to hold pointers.
*/
int anly_para (char *para, rte_input_data *in_data) {
    char *val, *rest;
    int num = 0;

    if(!para) return 0;

    while(para) {
        rest = para_split(para, '&'); /* next parameta
point */
        val = para_split(para, '='); /* now value
point */

        switch(para[0]) {
            case 'c':
                in_data->cookie = val;          break;

```

```

                case 'b':
                    in_data->button = val;          break;

                case 'f':
                    in_data->form = val;          break;

                case 't':
                    in_data->threshold = val;          break;

                case 'D':
                    in_data->D_ID = val;          break;

                case 'H':
                    in_data->H_AMOUNT = val;          break;

                case 'C':
                    switch(para[1]) {
                        case 'I':
                            in_data->C_ID = val;          break;

                            case 'W':
                                in_data->C_W_ID = val; break;

                                case 'L':
                                    in_data->C_LAST = val; break;

                                    case 'D':
                                        in_data->C_D_ID = val; break;
                                        }
                                        break;

                                        case 'O':
                                            switch(para[1]) {
                                                case 'C':
                                                    in_data->O_CARRIER_ID =
val;          break;

                                                    case 'S':
                                                        switch(para[2]) {
                                                            case '0':
                                                                if (para[3] >= 0x31 &&
para[3] <= 0x39){
                                                                    num = (int)(para[3]
- 0x30);
                                                                    >OL_SUPPLY_W_ID[num - 1] = val;
                                                                    }
                                                                    break;

                                                                    case '1':
                                                                        if (para[3] >= 0x30 &&
para[3] <= 0x35){
                                                                            num = (int)(para[3]
- 0x30) + 10;
                                                                            if (strlen(val) != 0)
in_data-
>OL_SUPPLY_W_ID[num - 1] = val;
                                                                            }
                                                                            break;

                                                                            case 'I':
                                                                                if (para[3] >= 0x30 &&
para[3] <= 0x35){
                                                                                    num = (int)(para[3]
- 0x30) + 10;
                                                                                    if (strlen(val) != 0)
in_data-
>OL_SUPPLY_W_ID[num - 1] = val;
                                                                                    }
                                                                                    break;

                                                                                    case 'I':
                                                                                        switch(para[2]) {
                                                                                            case '0':
                                                                                                if (para[3] >= 0x31 &&
para[3] <= 0x39 ){
                                                                                                    num = (int)(para[3]
- 0x30);
                                                                                                    >OL_SUPPLY_W_ID[num - 1] = val;
                                                                                                    }
                                                                                                    break;

                                                                                                    case '1':
                                                                                                        switch(para[2]) {
                                                                                                            case '0':
                                                                                                                if (para[3] >= 0x31 &&

```

```

                                                                    num = (int)(para[3]
- 0x30);
                                                                    if (strlen(val) != 0)
in_data-
>OL_I_ID[num - 1] = val;
                                                                    }
                                                                    break;

                                                                    case '1':
                                                                        if (para[3] >= 0x30 &&
para[3] <= 0x35){
                                                                            num = (int)(para[3]
- 0x30) + 10;
                                                                            if (strlen(val) != 0)
in_data-
>OL_I_ID[num - 1] = val;
                                                                            }
                                                                            break;

                                                                            case 'Q':
                                                                                switch(para[2]) {
                                                                                    case '0':
                                                                                        if (para[3] >= 0x31 &&
para[3] <= 0x39){
                                                                                            num = (int)(para[3]
- 0x30);
                                                                                            if (strlen(val) != 0)
in_data-
>OL_QUANTITY[num - 1] = val;
                                                                                            }
                                                                                            break;

                                                                                            case '1':
                                                                                                if (para[3] >= 0x30 &&
para[3] <= 0x35){
                                                                                                    num = (int)(para[3]
- 0x30) + 10;
                                                                                                    if (strlen(val) != 0)
in_data-
>OL_QUANTITY[num - 1] = val;
                                                                                                    }
                                                                                                    break;

                                                                                                    }
                                                                                                    break;

                                                                                                    para = rest;
                                                                                                    }

                                                                                                    if (in_data->cookie != 0)
return(atoi (in_data->cookie));
                                                                                                    else
return(0);
                                                                                                    }

                                                                                                    /* Error message list : these are notified from CLINET
to RTE */
                                                                                                    /* 98.8.3 :
char errstrings[23][166] = {
"The function you selected doesn't exist.\r\n\r\n"
"Don't enter URLs manually!\r\n%s",
/* 0 */

```

<p>"You seem to have responded to a form that doesn't exist.\r\n"</p> <p>"Don't enter URLs manually!\r\n%s", /* 1 */</p> <p>"The District ID you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the range 1 to 10.\r\n", /* 2 */</p> <p>"The threshold value you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the range 10 to 20.\r\n", /* 3 */</p> <p>"The terminal number you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the range 1 to %d.\r\n", /* 4 */</p> <p>"The Carrier ID you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the range 1 to 10.\r\n", /* 5 */</p> <p>"The Customer ID you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer of 4 or fewer digits.\r\n", //It must be an integer in the 1 to 3000.\r\n", /* 6 */</p> <p>"The Customer Last Name you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be a string shorter than 16 characters.\r\n", /* 7 */</p> <p>"The Payment Amount you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be a dollar amount, without the dollar sign," " between \$1.00 and \$5000.00.\r\n", /* 8 */</p> <p>"The Customer Warehouse ID you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the range 1 to %d.\r\n", /* 9 */</p> <p>"The Customer District ID you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the 1 to 10.\r\n", /* 10 */</p> <p>"You must enter either a Customer ID or a Customer Last Name.\r\n"</p> <p>"You left both fields blank.\r\n%s", /* 11 */</p> <p>"The Warehouse ID you entered isn't valid.\r\n%\s\r\n"</p> <p>"It must be an integer in the range 1 to %d.\r\n", /* 12 */</p> <p>"On entry line %d, the data you entered for the %s field isn't valid.\r\n%\s\r\n", /* 13 */</p> <p>"Supply Warehouse ID", /* 14 */</p> <p>"Item ID", /* 15 */</p> <p>"Quantity", /* 16 */</p>	<pre> "Your entry was outside the range.", /* 17 */ "You didn't enter anything for the field.", /* 18 */ "Your entry contained too many characters.", /* 19 */ "The input data is wrong data type, must be numeric.", /* 20 */ "It must be an integer in the range 1 to %d.", /* 21 */ "The input data is wrong data type, must be english capital letter.", /* 22 */ ); /* set_errpage: RTE a generic error page generator. If the user does anything screwy, s/he gets here. The function generates an error page based on the two errlvl arguments and returns it for the user..  When err_no is 13 or more, Order Line Data is Abnormal. (err_no is the error data line number )  98.8.3 : */ int set_errpage(char *buf, int user, int err_no, int err_inf, int sub_inf, int sub_inf2) { char errmsg[1024]; int nchar; int length;  if(err_no &gt;= 13) { /* OrderLine Data(Neworder) is Abnormal */ switch(err_inf) { case -5: /* S_W_ID data is abnormal */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[14],errmsgs[20]); sub_inf2 = maxwh; break; case -8: /* S_W_ID data is uninput */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[14],errmsgs[18]); sub_inf2 = maxwh; break; case -15: /* S_W_ID data is outside range */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[14],errmsgs[17]); sub_inf2 = maxwh; break; case -1: /* I_ID data is uninput */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[15],errmsgs[18]); sub_inf2 = 100000; break; case -6: /* I_ID data is abnormal */ </pre>	<pre> sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[15],errmsgs[20]); sub_inf2 = 100000; break; case -16: /* I_ID data is outside range */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[15],errmsgs[17]); sub_inf2 = 100000; break; case -7: /* Quantity data is abnormal */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[16],errmsgs[20]); sub_inf2 = 10; break; case -2: /* Quantity data is uninput */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[16],errmsgs[18]); sub_inf2 = 10; break; case -17: /* Quantity data is outside range */ sprintf(errmsg,errmsgs[13],err_no- 12,errmsgs[16],errmsgs[17]); sub_inf2 = 10; break; default: break; } length = strlen(errmsg); sprintf(&amp;errmsg[length], errmsgs[21], sub_inf2); sprintf(buf, errhtml, errmsg, SOPATH, user); } else if ( err_no == 4    err_no == 9    err_no == 12) { switch(err_inf) { case -3: /* There is not Input data */ sprintf(errmsg, errmsgs[err_no], errmsgs[18], sub_inf2); break; case -1: /* too many characters */ sprintf(errmsg, errmsgs[err_no], errmsgs[19], sub_inf2); break; case -2: /* Not all digits */ sprintf(errmsg, errmsgs[err_no], errmsgs[20], sub_inf2); break; case -4: /* nothing sub message */ sprintf(errmsg, errmsgs[err_no], " ", sub_inf2); break; default: /* Other error */ sprintf(errmsg, errmsgs[err_no], errmsgs[17], sub_inf2); </pre>
--	---	---

```

        break;
    }
    sprintf(buf, errhtml, errmsg, SOPATH,
user);
    printf("%s", buf);
}
else{
    switch(err_inf) {
        case -3: /* There is not Input data */
            sprintf(errmsg,
errstrings[err_no], errstrings[18]);
            break;

        case -1: /* too many characters */
            sprintf(errmsg,
errstrings[err_no], errstrings[19]);
            break;

        case -2: /* Not all digits */
            if (err_no == 7)
                sprintf(errmsg,
errstrings[err_no], errstrings[22]);
            else
                sprintf(errmsg,
errstrings[err_no], errstrings[20]);

            break;

        case -4: /* nothing sub message */
            sprintf(errmsg,
errstrings[err_no], " ");
            break;

        default: /* Other error */
            sprintf(errmsg,
errstrings[err_no], errstrings[17]);
            break;
    }

    sprintf(buf, errhtml, errmsg, SOPATH,
user);
    printf("%s", buf);
}

    DBGR(fprintf (test_fp, "This Transaction is parameter
ERROR\n"));
    return 0;
}

/*
set_tuxerr :
this function make error message of the TP-
application program.
*/
int set_tuxerr (char *page, char *err_inf, int cookie) {

#ifdef SCRTEST

    tpterm ();

#endif

    sprintf(page, tuxerr, err_inf, SOPATH, cookie);

    return 0;
}

        break;
    }
    /*
    set_oraerr :
    this function make error message of the Oracle
    application program.
    */
    int set_oraerr (char *page, char *err_inf, int cookie) {

#ifdef Symfo
        sprintf(page, symfoerr, err_inf, SOPATH, cookie);
#else
        sprintf(page, oraerr, err_inf, SOPATH, cookie);
#endif

        return 0;
    }

    /*
    set_symfoerr :
    this function make error message of the Oracle
    application program.
    */
    void set_symfoerr (char *page, int errorpos , int
sqlstate , int cookie )
    {
        char *sqlfunc[4] ={"Failure on insert of a new
record",
        "Failure on select of an existing record",
        "Failure on update of an existing record",
        "Failure to delete an existing record"};

        char buf[80];
        int pos;

        if ( errorpos == 0 ){
            sprintf ( buf,"SQLERROR ocured ...
(SQLSTATE : %05d)",sqlstate);
        }
        else{
            pos = errorpos / 100 ;
            sprintf ( buf,"%s ...
(SQLSTATE : %05d)",sqlfunc[pos-1],sqlstate);
        }

        sprintf(page, symfoerr, buf, SOPATH, cookie);
    }

#ifdef USE_FML
//
void term_id ( int cookie ){

    int transaction_id;
    int num;
    int loop;

    //
    for (loop = 0; loop < 5; loop++){

        num = Term_Base + TRN_ID[loop];
        transaction_id = 1;

        while ( num <= cookie ) {
            num += TRN_ID[loop];
            transaction_id++;
        }
    }
}

        srv->m_tcctxt[cookie - Term_Base].trn_id[loop]
= (char)transaction_id;
    }

    // DBGP(fprintf(test_fp," svn=%d ott-cnt=%d,
num=%d)\n", svnum, loop, num));

    return;
}
#endif

/* -----
---
The function number of the TP application program
which requests processing
is acquired. ( Get TPCCxx name in tpccsvr.ott )
-----
-- */
int getsvnam ( int cookie ){

    int svnum = 1;
    int num;
    int loop = 0;

    num = 0;

    if ( maxconnect < cookie || cookie == 0){
        DBGP(fprintf (test_fp, "Term NO(%d) is not
support!\n", cookie));
        return(-1);
    }

    /* COMMENT OUT : 98.01.13
=====
=
for (cnt = 1; cnt < tpc_area->clent_num; cnt++){
    if ( cookie < tpc_area->clent[cnt][0]){
        break;
    }
}

cnt--;
num = tpc_area->clent[cnt][0];
DBGP(fprintf (test_fp,"cookie=%d (client=%d,
max=%d, num=%d ->\",\
cookie, cnt, tpc_area->clent[cnt][0], num));

for (loop = 0; loop < tpc_area->clent[cnt][1]; loop++){

    num += tpc_area->ott[cnt][loop];

    if (num > cookie){
        break;
    }
    else{
        svnum++;
    }
}

=====
=====*/
    DBGP(fprintf(test_fp," svn=%d ott-cnt=%d,
num=%d)\n", svnum, loop, num));

    return (svnum);
}

/*
fast_menu:

```

```

This function reads a user's responses to the login
form, sets
up the user context, and returns the menu page.
*/

int fast_menu ( char *s_buf, rte_input_data *in_data, int
cookie){

    int w_id, d_id, user_id;
    char flag=0;

    // make w_id, d_id
    w_id = (cookie - 1)/10 + 1;
    d_id = (cookie - 1)%10 + 1;

#ifdef USE_FML
    //
    term_id ( cookie );
#endif

    // execute tpalloc ... : set w_id, d_id, and
    trans_buffer pointer
    if ((user_id = srv->Terminit (w_id, d_id, cookie))
    == -1){

        // tpalloc terminated abnormally
        printf(s_buf, tuxierr, "tpalloc", SOPATH);
        return -1;
    }

    sprintf(s_buf, h_menu, SOPATH, cookie);
    return 0;
}

/* -----
The w_id, d_id are acquired. and call the function
getsvnam
----- */
int idget ( char *s_buf, int cookie ){

    int w_id, d_id, user_id, sarvice_name;

    /* make w_id, d_id */
    w_id = (cookie - 1)/10 + 1;
    d_id = (cookie - 1)%10 + 1;

    if ((sarvice_name = getsvnam ( cookie )) < 0 ){

        /*The terminal number exceeded the
        maximum value */
        printf(s_buf, noconnt, maxconnect,
        cookie);
        return -1;
    }

    sprintf(s_buf, h_menu, SOPATH, cookie);
    return 0;
}

#define SUPPLY_NG 0x01
#define I_ID_NG 0x02
#define QUANTITY_NG 0x04

/* -----
chk_NOdata :

```

```

VerifyNewOrderLine verifies that a user's inputs for a
line in
the New Order form are okay.
return -5 : w_id abnormal value : Not Number
return -6 : i_id abnormal value : Not Number
return -7 : ol_quantity abnormal value : Not
Number

98.8.3 : (-15, -16, -17 : outside
range )

-----
*/
int chk_NOdata (neworder_trans *bp, int cnt,
rte_input_data *in_data, int svcnt)
{
    char flag = 0;

    if( in_data->OL_SUPPLY_W_ID[cnt] == 0 &&
in_data->OL_I_ID[cnt] == 0 &&
in_data->OL_QUANTITY[cnt] == 0 ){

        /* Find last order line : 1 */
        /* comment out : 98.08.25
        bp->ol_i_id[cnt] = 0;
        bp->ol_quantity[cnt] = 0;
        bp->ol_supply_w_id[cnt] = 0;
        return 0;

        */
        return 16; /* change return code */
    }

    if( in_data->OL_SUPPLY_W_ID[cnt] != 0 ){

        if((bp->ol_supply_w_id[svcnt] =
str2int (in_data-
>OL_SUPPLY_W_ID[cnt], 4)) < 1) /* 99.6.8 no_range
*/
            return -5; /* w_id abnormal */

        /*
        if((bp->ol_supply_w_id[svcnt] =
str2int (in_data->OL_SUPPLY_W_ID[cnt], 4)) <
1 ||
            bp->ol_supply_w_id[svcnt] > maxwh )
        {
            if (bp->ol_supply_w_id[svcnt] < 0)
                return -5; /* w_id abnormal */
            else
                return -15; /* outside
range */
        }
        */ /* 99.6.8 */

        else {
            flag |= SUPPLY_NG;
        }

        if( in_data->OL_I_ID[cnt] != 0 ){

            if((bp->ol_i_id[svcnt] =
str2int (in_data->OL_I_ID[cnt], 6)) <
0) /* 99.6.8 no_range */

```

```

return -6; /* i_id abnormal
value */

/*
if((bp->ol_i_id[svcnt] =
str2int (in_data->OL_I_ID[cnt], 6)) < 0
||
    bp->ol_i_id[svcnt] > 100000 ) {

    if (bp->ol_i_id[svcnt] < 0)
        return -6; /* i_id abnormal
value */
    else
        return -16; /* outside range */
    }
    else if (bp->ol_i_id[svcnt] == 0){
        /* Convert 0 into -1. if this function
set 0 then the TP application
send the return code of abnormal
end : Oracle use only */
#ifdef Oracle
        bp->ol_i_id[cnt] = -1;
#endif
    }
} /* 99.6.8 */

else{
    flag |= I_ID_NG;
}

if( in_data->OL_QUANTITY[cnt] != 0 ){

    if((bp->ol_quantity[svcnt] =
str2int (in_data->OL_QUANTITY[cnt], 2)) < 1) ||
        bp->ol_quantity[svcnt] > 10 ){

        if ( bp->ol_quantity[svcnt] < 0 )
            return -7; /*
ol_quantity abnormal value */
        else
            return -17; /*
outside range */
    }
    else{
        flag |= QUANTITY_NG;
    }

    if (flag != 0){

        /* the order lien data is abnormal : there is
a uninput item */
        DBGR(fprintf(test_fp, "neworder ol data check
flag=%d\n", flag));

        if((flag & SUPPLY_NG) != 0) return -8;
        if((flag & I_ID_NG) != 0) return -1;
        if((flag & QUANTITY_NG) != 0) return -2;
        return 1;
    }
    else{
        /* the order lien data is normal */
        return 1;
    }
}

/* -----
setNOdata : This function set the execution result
data of the TP

```

```

applicatin program.
    OF is an offset value to the next line data.
    cnt is line number
-----
- */

int setNOdata (char *s_work,int OF,int cnt,
              neworder_trans *bp,rte_input_data
              *in_data)
{
#ifdef Symfo

    int2str((s_work + OF + newp[11]), 4, (int)bp-
>ol_supply_w_id[cnt]);

    int2str((s_work + OF + newp[12]), 6, (int)bp-
>ol_i_id[cnt]);

    alp2str((s_work + OF + newp[13]), 24, bp-
>i_name[cnt]);

    int2str((s_work + OF + newp[14]), 2, (int)bp-
>ol_quantity[cnt]);
    int2str((s_work + OF + newp[15]), 3, (int)bp-
>s_quantity[cnt]);
    alp2str((s_work + OF + newp[16]), 1, &bp-
>brand_generic[cnt]);

    dec2str((s_work + OF + newp[17]), 6,
            (double)((double)bp->i_price[cnt] /
            (double)100)); // check
    dec2str((s_work + OF + newp[18]), 7,
            (double)((double)bp->ol_amount[cnt] /
            (double)100)); // check

    return 0;
#else

    if(!bp->ol_i_id[cnt]) {
        alp2str ((s_work + OF + newp[11]), 78, " ");
        return -1;
    }
    else {
        int2str((s_work + OF + newp[11]), 4,
        (int)bp->ol_supply_w_id[cnt]);

        if (bp->ol_i_id[cnt] == -1 )
            bp->ol_i_id[cnt] = 0;

        alp2str((s_work + OF + newp[12]), 6,
        in_data->OL_I_ID[cnt]);

        alp2str((s_work + OF + newp[13]), 24, bp-
>i_name[cnt]);

        int2str((s_work + OF + newp[14]), 2,
        (int)bp->ol_quantity[cnt]);
        int2str((s_work + OF + newp[15]), 3,
        (int)bp->s_quantity[cnt]);
        alp2str((s_work + OF + newp[16]), 1, &bp-
>brand_generic[cnt]);

        dec2str((s_work + OF + newp[17]),
        6,(double)bp->i_price[cnt]); // check
        dec2str((s_work + OF + newp[18]),
        7,(double)bp->ol_amount[cnt]); // check
        return 0;
    }
}
#endif
}

/* -----
-
neworder : this function processes the NewOrder
transaction.
-----
- */

int neworder (char *s_buf, rte_input_data *in_data, int
cookie)
{
    neworder_trans *bp;
    long olen;
    int user_id, i;
    int ol_cnt, cnt, rtn;

    char S_WORK[WORK_S];
    char TPAPL[12];
    char time_data[64];

#ifdef USE_FML
    neworder_trans tbuf;
    int w_id;

    bp = &tbuf;
    user_id = cookie - Term_Base;
    memset (bp, 0, sizeof(neworder_trans));
    /* 98.7.29 */
#else
    user_id = cookie - Term_Base;
    bp = ( neworder_trans *)srv-
>m_tcctxt[user_id].trans_b;
#endif

    bp->tx_type = TX_NEWORDER;
    bp->C_R = 0;

#ifdef USE_FML
    sprintf (TPAPL, "TPCC"); // TP-Base
    Application Name (View)
#else
    sprintf (TPAPL, "TPCC%d", (int)srv-
>m_tcctxt[user_id].trn_id[0]);
#endif

    if ((rtn = ThrTplnit()) < 0){
        sprintf( S_WORK, "Thread init abort NEW (%d) \n",
rtn);
        set_oraserr (s_buf, S_WORK, cookie );
        return (-1);
    }

/* ----- check the
Input data */
    bp->w_id = (short)srv->m_tcctxt[user_id].w_id;

    /* 99.6.8 no_range */
    // if((bp->d_id = str2int (in_data->D_ID, 2)) < 1 || bp-
>d_id > 10 )
    if((bp->d_id = str2int (in_data->D_ID, 2)) < 1 )
        return set_errpage(s_buf, cookie, 2, (int)bp->d_id,
0, 0);

/* 98.8.3 : */
// if((bp->c_id = str2int (in_data->C_ID, 4)) < 1 || bp-
>c_id > 3000 )
if((bp->c_id = str2int (in_data->C_ID, 4)) < 0 )
    return set_errpage(s_buf, cookie, 6, bp-
>c_id, 0, 0);

/* 98.8.25 */
ol_cnt = 0;
for (cnt = 0; cnt < 15; cnt++){

    if ((rtn = chk_NOdata( bp, cnt, in_data, ol_cnt)) <
0){
        return set_errpage(s_buf, cookie, 13 + cnt, rtn,
0, 0);
    }

    else if (rtn == 0 && ol_cnt == 0){
        return set_errpage(s_buf, cookie, 13 + cnt, -8, 0,
0);
    }
    else if (rtn == 0){
        break;
    }

    else if (rtn == 1){
        ol_cnt++;
    }

    // else // Order Line data is normal: rtn == 1
    // ol_cnt++;
    // }

}

/* nothing order line data */
if ( cnt >= 15 && ol_cnt == 0 )
    return set_errpage(s_buf, cookie, 13, -8, 0, 0);

/* if ol_cnt < 15 then the last order line set NULL */
if ( ol_cnt < 15 ){
    bp->ol_i_id[ol_cnt] = 0;
    bp->ol_quantity[ol_cnt] = 0;
    bp->ol_supply_w_id[ol_cnt] = 0;
}

// |
bp->o_ol_cnt = ol_cnt;

    DBGR(new_dsp(in_data, bp, srv-
>m_tcctxt[user_id].w_id, 0, ol_cnt));

/* ----- Execute NewOrder
transaction */
resend_neworder:

#ifdef SCRTST
    DBGR(tsp(0));
#endif

#ifdef USE_FML
    w_id = bp->w_id;

    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TERM, 0, (char *)&w_id, 0 );
    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TRAN, 0, (char *)&bp->tx_type, 0 );

```



```

    rtn = Fchg( (Fbfr *)srv->m_tcctx[user_id].trans_b,
FML_DATA, 0, (char *)bp,
    ( FLDLEN )sizeof( neworder_trans ) );

    if ( tpcall( TPAPL, ( char * )srv-
>m_tcctx[user_id].trans_b, 0,
    ( char ** )&srv->m_tcctx[user_id].trans_b,
    &olen, 0|TPNOTIME ) == -1 ){

        if ( tperno == TPESVCFAIL ) {
            printf( S_WORK, "Oracle failed to process
NewOrder Transaction.\n"
                "tperno = %d svc = '%s' d_id = %d c_id = %d
lines = %d\n",
                tperno, TPAPL, bp->d_id, bp->c_id, ol_cnt );

            set_or Kerr( s_buf, S_WORK, cookie );
            return (-1);
        }

        printf( S_WORK, "tpcall failed in NewOrder:
tperno = %d\n"
            " svc = '%s' d_id = %d c_id = %d lines
= %d\n",
            tperno, TPAPL,
                bp->d_id, bp->c_id, ol_cnt );

        set_tuxerr(s_buf, S_WORK, cookie);
        return (-1);
    }

    DBGR(tsp(1));
    tbuf = *((neworder_trans *)Ffind( (Fbfr *)srv-
>m_tcctx[user_id].trans_b, FML_DATA, 0, NULL));
    bp = &tbuf;

#else

    if ( tpcall( TPAPL, ( char * )srv-
>m_tcctx[user_id].trans_b,
        sizeof( neworder_trans ),
        ( char ** )&srv->m_tcctx[user_id].trans_b,
        &olen, 0|TPNOTIME ) == -1 ) {

        if ( tperno == TPESVCFAIL ) {
            printf( S_WORK, "Oracle failed to process
NewOrder Transaction.\n"
                "tperno = %d svc = '%s' d_id = %d c_id = %d
lines = %d\n",
                tperno, TPAPL,
                    bp->d_id, bp->c_id, ol_cnt );

            set_or Kerr( s_buf, S_WORK, cookie );
            return (-1);
        }

        printf( S_WORK, "tpcall failed in NewOrder:
tperno = %d\n"
            " svc = '%s' d_id = %d c_id = %d lines
= %d\n",
            tperno, TPAPL,
                bp->d_id, bp->c_id, ol_cnt );

        set_tuxerr(s_buf, S_WORK, cookie);
        return (-1);
    }
    DBGR(tsp(1));

    bp = ( neworder_trans * )srv-
>m_tcctx[user_id].trans_b;
    #endif

    #else
        dummy_neworder( bp );
    #endif

    DBGR(new_dsp(in_data, bp, srv-
>m_tcctx[user_id].w_id, 1, 1));

    printf( S_WORK, h_new2);

    int2str ((S_WORK + newp[0]), 4, (int)bp->w_id);
    int2str ((S_WORK + newp[1]), 2, (int)bp->d_id);
    int2str ((S_WORK + newp[3]), 4, bp->c_id);

    alp2str ((S_WORK + newp[4]), 16, bp->c_last);
    alp2str ((S_WORK + newp[5]), 2, bp->c_credit);
    int2str ((S_WORK + newp[7]), 8, (int)bp->o_id);

    if ( bp->C_R == 1 || bp->C_R == 2 ){ // Normal End
        cnt = bp->o_ol_cnt;

    #ifdef Symfo
        convert_time( time_data, bp->o_entry_d);
        time2str((S_WORK + newp[2]),time_data);
        dec2str ((S_WORK + newp[6]),5,
            (double)((double)(bp->c_discount) /
(double)100.0) );

        int2str ((S_WORK + newp[8]),2,(int)bp->o_ol_cnt);

        dec2str ((S_WORK + newp[9]),5,
            (double)((double)(bp->w_tax) /
(double)100.0));
        dec2str ((S_WORK + newp[10]),5,
            (double)((double)(bp->d_tax) /
(double)100.0));
    #else
        time2str((S_WORK + newp[2]),bp->o_entry_d);
        dec2str ((S_WORK +
newp[6]),5,(double)(bp->c_discount*100.0));
        int2str ((S_WORK + newp[8]),2,(int)bp->o_ol_cnt);
        dec2str ((S_WORK + newp[9]),5,
(double)(bp->w_tax * 100.0));
        dec2str ((S_WORK +
newp[10]),5,(double)(bp->d_tax * 100.0));
    #endif

        for ( i = 0; i < cnt; i++ ) {
            setNOdata (S_WORK, 0x50*i, i, bp, in_data);
        }

    #ifdef Symfo
        if (bp->C_R == 2)
            alp2str ((S_WORK + newp[19]), 24,
                "Item number is not valid");

        dec2str ((S_WORK + newp[20]), 8,
            (double)((double)(bp->total_amount) /
(double)100.0));
    #else
        /* "Item number is not valid" or "" ('0') */
        // Oracle Web Server use
        alp2str ((S_WORK + newp[19]), 24, bp-
>status);

        dec2str ((S_WORK + newp[20]), 8,
            (double)(bp->total_amount)); // check
    #endif
    }

    #ifndef SCRTEST
    else{

    #ifndef Symfo
        if ( bp->newout.terror == IRRECERR ){
            printf (S_WORK, "Irrecoverable error in
NewOrder\n");
            set_tuxerr (s_buf, S_WORK, cookie);
            return (-1);
        }
        else{
            goto resend_neworder; /* Retry
NewOrder transaction */
        }
    #else
        set_symfoerr (s_buf, bp->errorpos, bp-
>sqlstate, cookie );
        return (-1);
    #endif
    }
    #endif

    /* ----- The execution result data notified RTE is make
by the HTML form */

    printf(s_buf, h_new1);
    strcat (s_buf, S_WORK);

    printf(S_WORK, h_new3, SOPATH, cookie);
    strcat (s_buf, S_WORK);

    return (0);
}

/*-----
-
payment : this function processes the Payment
transaction.
-----
*/
int payment (char *s_buf, rte_input_data *in_data, int
cookie)
{
    payment_trans *bp;
    int i, user_id, rtn;
    long olen;

    float h_amount; /* For work */

    char c_id_flag = NG;
    char S_WORK[WORK_S];
    char TPAPL[12];
    char time_data[64];

    char buffer[128]; /* check HTML form */
    char buffer2[128];
    char buffer3[512];
    int newlength;

```

```

#ifdef USE_FML
    payment_trans  tbuf;
    int            w_id;
    bp = &tbuf;
    user_id = cookie - Term_Base;
    memset( bp, 0, sizeof(payment_trans));
    /* 98.7.29 */
#else
    user_id = cookie - Term_Base;
    bp = ( payment_trans * )srv-
>m_tcctxt[user_id].trans_b;
#endif

    bp->tx_type = TX_PAYMENT;
    bp->C_R = 0;

#ifdef USE_FML
    sprintf( TPAPL, "TPCC"); // TP-Base
    Application Name (View)
#else
    sprintf( TPAPL, "TPCC%d", (int)srv-
>m_tcctxt[user_id].trn_id[1] );
#endif

    if ((rtn = ThrTpnit()) < 0){
        sprintf( S_WORK, "Thread init abort PAY (%d) \n",
rtn);
        set_orairr( s_buf, S_WORK, cookie );
        return (-1);
    }

    /* ----- check the
Input data */
    bp->w_id = (short)srv->m_tcctxt[user_id].w_id;

    /* 99.6.8 no_range */
    /* check d_id data */
    // if((bp->d_id = str2short( in_data->D_ID, 2)) < 1 ||
bp->d_id > 10)
        if((bp->d_id = str2short( in_data->D_ID, 2)) < 1 )
            return set_errpage( s_buf, cookie, 2, (int)bp->d_id,
0, 0);

    /* check c_id data */
    if((bp->c_id = str2int( in_data->C_ID, 4)) != -3 ){

// if (bp->c_id < 1 || bp->c_id > 3000){ /*
*/
        if (bp->c_id < 0) {
            return set_errpage( s_buf, cookie, 6,
bp->c_id, 0, 0);
        }
        else{
            c_id_flag = OK;
        }
    }
    else{
        bp->c_id = 0;
    }

    /* check c_last data */
    if((rtn = str2str( in_data->C_LAST, 16)) < 0){
// return set_errpage( s_buf, cookie, 7, rtn, 22, 0);
/* 99.6.8 no_range */
        c_id_flag = OK; /* 99.6.8 no_range
*/
    }
    else{
        if ( rtn == 0 || *(in_data->C_LAST) == '\0' ) {
            bp->payin.bylastname = 0;
            /* Oracle use only */
        } else {
            strcpy( bp->c_last, in_data-
>C_LAST);
            bp->payin.bylastname = 1;
            /* Oracle use only */
            c_id_flag = OK;
        }
    }

    /* c_id and c_last data is nothing */
    if (c_id_flag == NG)
        return set_errpage( s_buf, cookie, 11, -4, 0,
0);

    /* 99.6.8 no_range */
    /* check c_w_id data */
    if((bp->c_w_id = str2short( in_data->C_W_ID, 4)) <
1 )
// if((bp->c_w_id = str2short( in_data->C_W_ID, 4)) <
1 || bp->c_w_id > maxwh)
        return set_errpage( s_buf, cookie, 9, (int)bp-
>c_w_id, 0, maxwh);

    /* 99.6.8 no_range */
    /* check c_d_id data */
    if((bp->c_d_id = str2short( in_data->C_D_ID, 2)) < 1 )
// if((bp->c_d_id = str2short( in_data->C_D_ID, 2)) < 1
|| bp->c_d_id > 10)
        return set_errpage( s_buf, cookie, 10, (int)bp-
>c_d_id, 0, 0);

    /* check h_amount data :
str2dbl do hundredfold of the H_AMOUNT. The
purpose of if is to process
H_AMOUNT by the integer : 98.8.3 update */
    if((bp->h_amount = (long)str2dbl( in_data-
>H_AMOUNT, 7)) < 100 ||
        bp->h_amount > 500000)
        return set_errpage( s_buf, cookie, 8, (int)bp-
>h_amount, 0, 0);

    DBGP( pay_dsp( in_data, bp, srv-
>m_tcctxt[user_id].w_id, 0));

    /* ----- Execute Payment
transaction */
    resend_payment;

#ifdef SCRTEST
    DBGR( tsp(0));
#endif

#ifdef USE_FML
    w_id = bp->w_id;

    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TERM, 0, (char *)&w_id, 0);
    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TRAN, 0, (char *)&bp->tx_type, 0);
    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_DATA, 0, (char *)bp,
(FLDLEN)sizeof( payment_trans ) );
        if ( tpcall( TPAPL, (char *)srv-
>m_tcctxt[user_id].trans_b, 0,
(char **)&srv->m_tcctxt[user_id].trans_b,
&olen, 0|TPNOTIME ) == -1){

            if ( tperno == TPESVCFAIL ) {
                sprintf( S_WORK, "Oracle failed to process
Payment Transaction.\n"
                "tperno = %d svc = %s' d_id = %d c_id = %d
c_last = %s\n"
                "c_w_id = %d, c_d_id = %d,
h_amount = %d\n",
                tperno, TPAPL,
                bp->d_id, bp->c_id, bp->c_last,
                bp->c_w_id, bp->c_d_id,
                bp->h_amount );

                set_orairr( s_buf, S_WORK, cookie );
                return (-1);
            }

            sprintf( S_WORK, "tpcall failed in Payment:
tperno = %d\n"
            " svc = %s' d_id = %d c_id = %d
c_last = %s\n"
            " c_w_id = %d c_d_id = %d
h_amount = %d\n",
            tperno, TPAPL, bp->d_id, bp->c_id,
bp->c_last,
            bp->c_w_id, bp->c_d_id, bp-
>h_amount );

            set_tuxerr( s_buf, S_WORK, cookie);
            return (-1);
        }

        DBGR( tsp(1));
        tbuf = *( ( payment_trans * )Ffind( (Fbfr *)srv-
>m_tcctxt[user_id].trans_b, FML_DATA, 0, NULL ) );
        bp = &tbuf;

    #else

        if ( tpcall( TPAPL, (char *)srv-
>m_tcctxt[user_id].trans_b,
sizeof( payment_trans ), (char **)&srv-
>m_tcctxt[user_id].trans_b,
&olen, 0|TPNOTIME ) == -1 )

            if ( tperno == TPESVCFAIL ) {
                sprintf( S_WORK, "Oracle failed to process
Payment Transaction.\n"
                "tperno = %d svc = %s' d_id = %d c_id = %d
c_last = %s\n"
                "c_w_id = %d, c_d_id = %d,
h_amount = %d\n",
                tperno, TPAPL,
                bp->d_id, bp->c_id, bp->c_last,
                bp->c_w_id, bp->c_d_id,
                bp->h_amount );

                set_orairr( s_buf, S_WORK, cookie );
                return (-1);
            }
    }
}

```

```

        sprintf( S_WORK, "tpcall failed in Payment:
tperrno = %d\n"
        " svc = '%s' d_id = %d c_id = %d
c_last = '%s'\n"
        " c_w_id = %d c_d_id = %d
h_amount = %f\n",
tperrno, TPAPL, bp->d_id, bp->c_id,
bp->c_last,
bp->c_w_id, bp->c_d_id, bp-
>h_amount );

        set_tuxerr( s_buf, S_WORK, cookie);
        return (-1);
    }
    DBGR(tsp(1));

    bp = ( payment_trans * )srv-
>m_tcctxt[user_id].trans_b;
#endif

/* ----- Check the execution
result */
if ( bp->C_R != 1){

#ifndef Symfo
    if ( bp->payout.terror == IRRECERR ){
        sprintf( S_WORK, "Irrecoverable error in
Payment\n" );
        set_tuxerr( s_buf, S_WORK, cookie);
        return (-1);
    }
    goto resend_payment; /* TP_base busy.
Try again */
#else
        set_symfoerr( s_buf, bp->errorpos, bp-
>sqlstate, cookie );
        return (-1);
#endif

    }
    #else
    dummy_payment( bp );
#endif

    DBGR(pay_dsp(in_data, bp, srv-
>m_tcctxt[user_id].w_id, 1));

    sprintf( S_WORK, h_pay2);

#ifndef Symfo
    convert_time( time_data, bp->h_date);
    time2str( (S_WORK + payp[0]), time_data);
#else
    time2str( (S_WORK + payp[0]), bp->h_date );
#endif

    int2str( (S_WORK + payp[1]), 4, (int)bp->w_id);
    int2str( (S_WORK + payp[2]), 2, (int)bp->d_id);
/*
    alp2str( (S_WORK + payp[3]), 20, bp->w_street_1);
    alp2str( (S_WORK + payp[4]), 20, bp->d_street_1);
    alp2str( (S_WORK + payp[5]), 20, bp->w_street_2);
    alp2str( (S_WORK + payp[6]), 20, bp->d_street_2);
*/

    // check HTML form

    alp2str( &buffer2[0], 20, bp->w_street_1);
    buffer2[20] = 0;

        newlength = checkHTMLform ( &buffer2[0],
&buffer[0]);
        strcpy( &buffer3[0], &buffer[0]);
        strcat( buffer3, "
");

        alp2str( buffer2, 20, bp->d_street_1);
        buffer2[20] = 0;
        newlength = checkHTMLform ( &buffer2[0],
&buffer[0]);
        strcat( buffer3, &buffer[0]);
        strcat( buffer3, "\r\n");

        alp2str( buffer2, 20, bp->w_street_2);
        buffer2[20] = 0;
        newlength = checkHTMLform ( &buffer2[0],
&buffer[0]);
        strcat( buffer3, &buffer[0]);
        strcat( buffer3, "
");

        alp2str( buffer2, 20, bp->d_street_2);
        buffer2[20] = 0;
        newlength = checkHTMLform ( &buffer2[0],
&buffer[0]);
        strcat( buffer3, &buffer[0]);
        strcat( buffer3, "\r\n");

        strcat ( S_WORK, buffer3 );

        // check HTML form

        sprintf ( buffer3, h_pay4 );

        alp2str ( (&buffer3[0] + payp[7] - 0xd3), 20, bp-
>w_city);
        alp2str ( (&buffer3[0] + payp[8] - 0xd3), 2, bp-
>w_state);
        zip2str ( (&buffer3[0] + payp[9] - 0xd3), bp->w_zip);
        alp2str ( (&buffer3[0] + payp[11] - 0xd3), 20, bp-
>d_city);
        alp2str ( (&buffer3[0] + payp[12] - 0xd3), 2, bp-
>d_state);
        zip2str ( (&buffer3[0] + payp[13] - 0xd3), bp->d_zip);

        int2str ( (&buffer3[0] + payp[15] - 0xd3), 4, bp->c_id);
        int2str ( (&buffer3[0] + payp[16] - 0xd3), 4, (int)bp-
>c_w_id);
        int2str ( (&buffer3[0] + payp[17] - 0xd3), 2, (int)bp-
>c_d_id);

        alp2str ( (&buffer3[0] + payp[18] - 0xd3), 16, bp-
>c_first);
        alp2str ( (&buffer3[0] + payp[19] - 0xd3), 2, bp-
>c_middle);
        alp2str ( (&buffer3[0] + payp[20] - 0xd3), 16, bp-
>c_last);

#ifndef Symfo
    convert_date( time_data, bp->c_since);
    date2str ( (&buffer3[0] + payp[21] - 0xd3),
time_data);
#else
    date2str ( (S_WORK + payp[21]), bp->c_since);
#endif
/*
    alp2str ( (S_WORK + payp[22]), 20, bp->c_street_1);
    alp2str ( (S_WORK + payp[23]), 2, bp->c_credit);
*/

    alp2str ( (S_WORK + payp[24]), 20, bp->c_street_2);

        sprintf( buffer3, h_pay5);

#ifndef Symfo
    dec2str ( (S_WORK + payp5[25]), 5,
(double)(double)(bp->c_discount) /
(double)100.0);
#else
    dec2str ( (S_WORK + payp[25]), 5, (double)(bp-
>c_discount * 100.0);
#endif

*/

    strcat ( S_WORK, buffer3);

    strcpy ( &buffer3[0], "
");

    alp2str ( buffer2, 20, bp->c_street_1);
    buffer2[20] = 0;
    newlength = checkHTMLform ( &buffer2[0],
&buffer[0]);
    strcat ( buffer3, &buffer[0]);
    strcat ( buffer3, "
Credit: ");

    alp2str ( buffer2, 2, bp->c_credit);
    buffer2[2] = 0;
    strcat ( buffer3, &buffer2[0]);
    strcat ( buffer3, "\r\n");

    strcat ( buffer3, "
");
    alp2str ( buffer2, 20, bp->c_street_2);
    buffer2[20] = 0;
    newlength = checkHTMLform ( &buffer2[0],
&buffer[0]);
    strcat ( buffer3, &buffer[0]);
    strcat ( buffer3, "
%Disc: ");
    strcat ( S_WORK, buffer3);

    dec2str ( &buffer3[0], 5,
(double)(double)(bp->c_discount) /
(double)100.0);
    sprintf ( &buffer3[5], "\r\n");
    strcat ( S_WORK, buffer3);

    sprintf( buffer3, h_pay5);

    alp2str ( (&buffer3[0] + payp[26] - 0x21D), 20, bp-
>c_city);
    alp2str ( (&buffer3[0] + payp[27] - 0x21D), 20, bp-
>c_state);
    zip2str ( (&buffer3[0] + payp[28] - 0x21D), bp->c_zip);
    phone2str ( (&buffer3[0] + payp[29] - 0x21D), bp-
>c_phone);

    h_amount = (float)bp->h_amount / (float)100;
    dec2str ( (&buffer3[0] + payp[30] - 0x21D), 7,
(double)h_amount);

    sigdec2str ( (&buffer3[0] + payp[31] - 0x21D), 14, bp-
>c_balance);
    dec2str ( (&buffer3[0] + payp[32] - 0x21D), 13, bp-
>c_credit_lim);

    strcat ( S_WORK, buffer3);

/*
    i = strlen( bp->c_data );

```



```

w_id = bp->w_id;

rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TERM, 0, (char *)&w_id, 0);
rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TRAN, 0, (char *)&bp->tx_type, 0);
rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_DATA, 0, (char *)bp,
( FLDLEN)sizeof( orderstat_trans ));

if ( tpcall( TPAPL, ( char *)srv-
>m_tcctxt[user_id].trans_b, 0,
( char **)&srv->m_tcctxt[user_id].trans_b,
&olen, 0|TPNOTIME ) == -1 ){

if ( tpermo == TPESVCFAIL ) {
sprintf( S_WORK, "Oracle failed to process
NewOrder Transaction.\n"
"tpermo = %d svc = '%s' d_id = %d c_id = %d
c_last = '%s'\n",
tpermo, TPAPL, bp->d_id, bp->c_id,
bp->c_last );

set_or Kerr( s_buf, S_WORK, cookie);
return (-1);
}

sprintf( S_WORK, "tpcall failed in
OrderStatus: tpermo = %d\n"
" svc = '%s' d_id = %d c_id = %d
c_last = '%s'\n",
tpermo, TPAPL, bp->d_id, bp-
>c_id, bp->c_last );

set_tuxerr( s_buf, S_WORK, cookie);
return (-1);
}

DBG( tsp(1));
tbuf = *((orderstat_trans *)Ffind( (Fbfr *)srv-
>m_tcctxt[user_id].trans_b, FML_DATA, 0, NULL));
bp = &tbuf;
#else

if ( tpcall( TPAPL, ( char *)srv-
>m_tcctxt[user_id].trans_b,
sizeof(orderstat_trans),
( char **)&srv->m_tcctxt[user_id].trans_b,
&olen, 0|TPNOTIME ) == -1 ){

if ( tpermo == TPESVCFAIL ) {
sprintf( S_WORK, "Oracle failed to process
NewOrder Transaction.\n"
"tpermo = %d svc = '%s' d_id = %d c_id = %d
c_last = '%s'\n",
tpermo, TPAPL, bp->d_id, bp->c_id,
bp->c_last );

set_or Kerr( s_buf, S_WORK, cookie);
return (-1);
}

sprintf( S_WORK, "tpcall failed in
OrderStatus: tpermo = %d\n"
" svc = '%s' d_id = %d c_id = %d
c_last = '%s'\n",
tpermo, TPAPL, bp->d_id, bp-
>c_id, bp->c_last );

set_tuxerr( s_buf, S_WORK, cookie);
return (-1);
}

DBGP(oder_dsp ( in_data, bp, srv-
>m_tcctxt[user_id].w_id, 1));

sprintf(S_WORK, h_order2);
int2str ((S_WORK + orderp[0]), 4, (int)bp->w_id);
int2str ((S_WORK + orderp[1]), 2, (int)bp->d_id);
int2str ((S_WORK + orderp[2]), 4, bp->c_id);
alp2str ((S_WORK + orderp[3]), 16, bp->c_first);
alp2str ((S_WORK + orderp[4]), 2, bp->c_middle);
alp2str ((S_WORK + orderp[5]), 16, bp->c_last);

sigdec2str ((S_WORK + orderp[6]), 9, bp-
>c_balance);

int2str ((S_WORK + orderp[7]), 8, (int)bp->o_id );

#ifdef Symfo
convert_time (time_data, bp->o_entry_d);
time2str ((S_WORK + orderp[8]), time_data);
#else
time2str ((S_WORK + orderp[8]), bp->o_entry_d );
#endif

if ( bp->o_carrier_id != INTNULL ) {
int2str ((S_WORK + orderp[9]), 2, bp-
>o_carrier_id);
}

/* 0x39 is an offset value to the same filed of the next
line */
for( i = 0; i < bp->o_ol_cnt; i++) {

int2str ((S_WORK+i*0x3a+orderp[10]), 4, (int)bp-
>o_supply_w_id[i]);
int2str ((S_WORK+i*0x3a+orderp[11]), 6, (int)bp-
>o_l_id[i]);
int2str ((S_WORK+i*0x3a+orderp[12]), 2, (int)bp-
>o_quantity[i]);

#ifdef Symfo
sigdec2str ((S_WORK+i*0x3a+orderp[13]),
8,
(double)((double)bp->o_amount[i] /
(double)100.0));

// if( bp->o_delivery_d[i] != -1 &&
/* Symfo NG */
// bp->o_delivery_d[i] != 77777777 ){

if( bp->o_delivery_d[i] != 77777777 ){

convert_date (time_data, bp-
>o_delivery_d[i]);
date2str
((S_WORK+i*0x3a+orderp[14]), time_data);
}
#else
sigdec2str ((S_WORK+i*0x3a+orderp[13]),
8,(double)bp->o_amount[i]);

if( strcmp( bp->o_delivery_d[i], "NOT
DELIVR", 10 ) != 0 ){

date2str
((S_WORK+i*0x3a+orderp[14]), bp->o_delivery_d[i]);
}
#endif
}

/* ----- The execution result data notified RTE is make
by the HTML form */

sprintf(s_buf, h_order1); /* set Header Data */
strcat (s_buf, S_WORK); /* set Result Data
*/

sprintf (S_WORK, h_order3, SOPATH, cookie); /* set
Tailor Data */
strcat (s_buf, S_WORK);

return 0;
}

/*
delivery : this function processes the delivery
transaction.
*/
int delivery (char *s_buf, rte_input_data *in_data, int
cookie)
{
delivery_trans *bp;
int user_id, rtn;
char S_WORK[WORK_SZ];
char TPAPL[12];

struct tm times;
SYSTEMTIME systemTime;

```

```

#ifdef USE_FML
    delivery_trans  tbuf;
    int             w_id;

    user_id = cookie - Term_Base;
    bp = &tbuf;

    memset (bp, 0, sizeof(delivery_trans));
    /* 98.7.29 */
#else
    // int ol_cnt, cnt, i;
    // struct timeval timeque;

    user_id = cookie - Term_Base;
    bp = ( delivery_trans *)srv-
    >m_tcctxt[user_id].trans_b;
#endif

    bp->tx_type = TX_DELIVERY;
    bp->C_R = 0;

#ifdef USE_FML
    sprintf (TPAPL, "TPCC"); // TP-Base
    Application Name (View)
#else
    sprintf (TPAPL, "TPCC%d", (int)srv-
    >m_tcctxt[user_id].tm_id[3] );
#endif

    if ((rtn = ThrTpnit()) < 0){
    sprintf( S_WORK, "Thread init abort DEL(%d) \n",
    rtn);
    set_oraerr( s_buf, S_WORK, cookie );
    return (-1);
    }

    /* ----- Check the Input
    data */
    bp->w_id = (short)srv->m_tcctxt[user_id].w_id;

    bp->o_carrier_id = str2short (in_data-
    >O_CARRIER_ID, 2);

    if (bp->o_carrier_id < 1 || bp->o_carrier_id > 10)
    /* 98.6.29: */
    return set_errpage(s_buf, cookie, 5, (int)bp-
    >o_carrier_id, 0, 0);

    // bp->delin.in_timing_int = 1; //
    oracle use only */

    /* ----- Execute Delivery
    transaction */

    resend_delivery:

        GetLocalTime(&systemTime);

#ifdef TOOLKIT_ORIGINAL_STRUCTURE //
1996.08.07 */
    bp->delin.qtime = ( double )timeque.tv_sec
    + ( double )timeque.tv_usec / 1000000.0;
#else /* !TOOLKIT_ORIGINAL_STRUCTURE */

    times.tm_mon = (int)systemTime.wMonth - 1;
    times.tm_mday = (int)systemTime.wDay;
    times.tm_hour = (int)systemTime.wHour;
    times.tm_min = (int)systemTime.wMinute;
    times.tm_sec = (int)systemTime.wSecond;

    bp->startsec = (long)mkttime (&times);
    bp->startusec = (long)systemTime.wMilliseconds;
#endif /* !TOOLKIT_ORIGINAL_STRUCTURE */

#ifdef SCRTEST
    DBGR(fprintf ( test_fp, "tpacall delivery!\n" ));

    DBGR(tsp(0));
#endif

#ifdef USE_FML
    w_id = bp->w_id;

    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
    FML_TERM, 0, (char *)&w_id, 0 );
    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
    FML_TRAN, 0, (char *)&bp->tx_type, 0 );
    rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
    FML_DATA, 0, (char *)bp,
    ( FLDLEN )sizeof( delivery_trans ) );

    rtn = tpacall( TPAPL, ( char *)srv-
    >m_tcctxt[user_id].trans_b,
    0, 0|TPNOREPLY|TPNOTIME ); //
#else
    rtn = tpacall( TPAPL, ( char *)srv-
    >m_tcctxt[user_id].trans_b,
    sizeof( delivery_trans ), 0| TPNOTIME |
    TPNOREPLY );
#endif

    DBGR(tsp(1));

    #else
    dummy_delivery( bp );
    rtn = 0;
    #endif

    sprintf (S_WORK, h_del2);

    /* ----- The execution result is
    checke. */

    if ( rtn == -1 ) {

        /* Display messege */

#ifdef SCRTEST
        char buf[1024];

        switch ( tperno ) {
        case TPELIMIT: /* */
        case TPETIME: /* */
        case TPGOTSIG: /* */

            /* sprintf ( S_WORK, "tpacall : Retry in Delivery:
            tperno = %d\n"
            " svc = '%s' carrier = %d\n", tperno,
            now_ottname, bp->delin.o_carrier_id );
            */

            /* Because it is an executable again error,
            processing is executed again. */
            goto resend_delivery;
            break;

            case TPESVCFAIL:
            sprintf( S_WORK, "Oracle failed to process
            Delivery Transaction.\n"
            "tperno = %d svc = '%s' carrier = %d\n",
            tperno,
            TPAPL, bp->o_carrier_id );

            set_oraerr( s_buf, S_WORK, cookie );
            return (-1);

            default:
            /* The error which was not able to be executed
            again occurred */
            sprintf( S_WORK, "tpacall failed in Delivery:
            tperno = %d\n"
            " svc = '%s' carrier = %d\n", tperno,
            TPAPL, bp->o_carrier_id );

            set_tuxerr( s_buf, S_WORK, cookie);
            return (-1);
            }
        #endif

        } else {

            int2str ((S_WORK + delp[0]), 4, (int)bp-
            >w_id);
            int2str ((S_WORK + delp[1]), 2, (int)bp-
            >o_carrier_id);
            alp2str ((S_WORK + delp[2]), 25, "Delivery
            has been queued");
        }

        /* ----- The execution result data notified RTE is made
        by the HTML form */

        sprintf(s_buf, h_del1);
        strcat (s_buf, S_WORK);

        sprintf(S_WORK, h_del3, SOPATH, cookie);
        strcat (s_buf, S_WORK);

        return 0;
    }

    /*-----
    -
    stocklevel : this function processes the StockLevel
    transaction.

    -----
    */
    int stocklevel (char *s_buf, rte_input_data *in_data, int
    cookie)
    {
        stocklvl_trans *bp;
        long olen;
        int loopc = 0;
        int rtn = 0;
        int user_id;

        char S_WORK[WORK_S];
        char TPAPL[12];
    }

```

```

#endif USE_FML
stocklvl_trans tbuf;
int w_id;

bp = &tbuf;
user_id = cookie - Term_Base;
memset (bp, 0, sizeof(stocklvl_trans));
/* 98.7.29 */
#else
user_id = cookie - Term_Base;
bp = (stocklvl_trans *)srv-
>m_tcctxt[user_id].trans_b;
#endif

bp->tx_type = TX_STOCKLVL;
bp->C_R = 0;

#endif USE_FML
sprintf (TPAPL, "TPCC"); // TP-Base
Application Name (View)
#else
sprintf (TPAPL, "TPCCs%d", (int)srv-
>m_tcctxt[user_id].trn_id[4]);
#endif

if ((rtn = ThrTplnit()) < 0){
sprintf (S_WORK, "Thread init abort STOCK (%d)
\n", rtn);
set_or Kerr (s_buf, S_WORK, cookie);
return (-1);
}

/* ----- check the
Input data */
bp->w_id = (short)srv->m_tcctxt[user_id].w_id;
bp->d_id = (short)srv->m_tcctxt[user_id].d_id;

/* check threshold data : 98.6.29 */
bp->threshold = (long)str2short(in_data->threshold,
2);

if(bp->threshold < 10 || bp->threshold > 20)
return set_errpage(s_buf, cookie, 3, (int)bp-
>threshold, 0, 0);

DBGP(sto_dsp(in_data, bp, srv-
>m_tcctxt[user_id].w_id, srv->m_tcctxt[user_id].d_id,
0));

/* ----- Execute Stock Level
transaction */
resend_stock;

#endif SCRTST
DBGP(tsp(0));

#endif USE_FML
w_id = bp->w_id;

rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TERM, 0, (char *)&w_id, 0);
rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_TRAN, 0, (char *)&bp->tx_type, 0);
rtn = Fchg( (Fbfr *)srv->m_tcctxt[user_id].trans_b,
FML_DATA, 0, (char *)&bp,

( FLDLEN)sizeof( stocklvl_trans ));

if ( tpcall( TPAPL, ( char *)srv-
>m_tcctxt[user_id].trans_b, 0,
( char **)&srv->m_tcctxt[user_id].trans_b,
&olen, 0|TPNOTIME ) == -1){

if ( tperno == TPESVCFAIL ) {
sprintf( S_WORK, "Oracle failed to process
StockLevel Transaction.\n"
"tperno = %d svc = '%s' threshold = %d\n",
tperno,
TPAPL, bp->threshold );

set_or Kerr (s_buf, S_WORK, cookie );
return (-1);
}

sprintf( S_WORK, "stockLevel: tperno
= %d\n"
" svc = '%s' threshold = %d\n",
tperno,
TPAPL, bp->threshold );

set_tuxerr (s_buf, S_WORK, cookie);
return (-1);
}

DBGP(tsp(1));
tbuf = *(stocklvl_trans *)Ffind( (Fbfr *)srv-
>m_tcctxt[user_id].trans_b, FML_DATA, 0, NULL));
bp = &tbuf;

#else

if ( tpcall( TPAPL, ( char *)srv-
>m_tcctxt[user_id].trans_b,
sizeof( stocklvl_trans ),
( char **)&srv->m_tcctxt[user_id].trans_b,
&olen, 0|TPNOTIME ) == -1){

if ( tperno == TPESVCFAIL ) {
sprintf( S_WORK, "Oracle failed to process
StockLevel Transaction.\n"
"tperno = %d svc = '%s' threshold = %d\n",
tperno,
TPAPL, bp->threshold );

set_or Kerr (s_buf, S_WORK, cookie );
return (-1);
}

sprintf( S_WORK, "stockLevel: tperno
= %d\n"
" svc = '%s' threshold = %d\n",
tperno,
TPAPL, bp->threshold );

set_tuxerr (s_buf, S_WORK, cookie);
return (-1);
}

DBGP(tsp(1));

bp = ( stocklvl_trans *)srv-
>m_tcctxt[user_id].trans_b;
#endif
}

/* ----- Check the execution
result */
if ( bp->C_R != 1){

#endif Symfo
if ( bp->stout.terror == IRRECERR ) {
sprintf( S_WORK, "Irrecoverable error in
stocklevel \n");
set_tuxerr (s_buf, S_WORK, cookie);
return (-1);
}
goto resend_stock; /* TP application
busy. Try again */
#else
set_symfoerr (s_buf, bp->errorpos, bp-
>sqlstate, cookie );
return (-1);
#endif
}

#else
dummy_stocklvl ( bp );
DBGP(sto_dsp(in_data, bp, srv-
>m_tcctxt[user_id].w_id, srv->m_tcctxt[user_id].d_id,
1));
#endif

DBGP(sto_dsp(in_data, bp, srv-
>m_tcctxt[user_id].w_id, srv->m_tcctxt[user_id].d_id,
1));

sprintf (S_WORK, h_stock2);
int2str ((S_WORK + stockp[0]), 4, (int)bp->w_id);
int2str ((S_WORK + stockp[1]), 2, (int)bp->d_id);
int2str ((S_WORK + stockp[2]), 2, (int)bp-
>threshold);
int2str ((S_WORK + stockp[3]), 3, (int)bp-
>low_stock);

/* ----- The execution result data notified RTE is make
by the HTML form */

sprintf(s_buf, h_stock1); /* Set Header data */
strcat (s_buf, S_WORK); /* Set Result data
*/

sprintf(S_WORK, h_stock3, SOPATH, cookie); /* Set
Tailer data */
strcat (s_buf, S_WORK);

return (0);
}

/* -----
select_trn:

RTE

s_buf HTML

interprets information from the user's input data to
determine which
page should be displayed back to the user.

```

```

query - the query string that comes back form
ParseFormData
ptrs - a pointer to a raw_form_data structure with
pointers
to values in 'query'.

----- */

int select_trn ( rte_input_data *in_data, char *s_buf, int
cookie ) {

    int length = 0;
    int user_id = cookie - Term_Base;
    int rtn = 0;

/*
if(in_data->form) {
*/
if (in_data->form && (in_data->form[0] != 'M') ) {

    if (in_data->form[0] == 'I') {
        /* send the transaction select screen
page */
        rtn = fast_menu (s_buf, in_data,
cookie);

        return rtn;
    }

    else{

        EnterCriticalSection(&(srv-
>m_tcctxt[user_id].user)); // Make it thread safe.

        /* check transaction type */
        switch(in_data->form[0]) {
        case 'N':
            rtn = neworder (s_buf, in_data,
cookie);
            break;

        case 'D':
            rtn = delivery(s_buf, in_data, cookie);
            break;

        case 'P':
            rtn = payment (s_buf, in_data,
cookie);
            break;

        case 'S':
            rtn = stocklevel(s_buf, in_data,
cookie);
            break;

        case 'O':
            rtn = orderstatus (s_buf,
in_data, cookie);
            break;

        default:
            /* uninput transaction type */
            set_errpage(s_buf, cookie, 1, -
4, 0, 0);

            rtn = 1;
            break;
        }
}

```

```

        LeaveCriticalSection(&(srv-
>m_tcctxt[user_id].user));
        return rtn;
    }
}
else if(in_data->button) {

    EnterCriticalSection(&(srv-
>m_tcctxt[user_id].user)); // Make it thread safe.

    /* send the data input screen page */
    switch(in_data->button[0]) {
    case 'N':

        sprintf(s_buf, in_newpage, SOPATH,
cookie, srv->m_tcctxt[user_id].w_id);
        length = strlen (s_buf);

        sprintf(s_buf+length -1 ,
in_newpage2);

        break;

    case 'D':
        sprintf(s_buf, in_delpage, SOPATH, cookie, srv-
>m_tcctxt[user_id].w_id);
        break;

    case 'P':
        sprintf(s_buf, in_paypage, SOPATH, cookie,
srv->m_tcctxt[user_id].w_id);
        break;

    case 'S':
        sprintf(s_buf, in_stkpage, SOPATH, cookie,
srv-
>m_tcctxt[user_id].w_id, srv->m_tcctxt[user_id].d_id);
        break;

    case 'O':
        sprintf(s_buf, in_odrpage, SOPATH, cookie,
srv->m_tcctxt[user_id].w_id);
        break;

    case 'Q':
        /* This value use WWW browser only. */
        if (in_data->cookie)
            srv->Termfree (in_data-
>cookie);

        sprintf (s_buf, loginpage , VLDAPATA, SOPATH);
        return rtn;

    default:
        /* uninput transaction type */
        set_errpage(s_buf, cookie, 0, -4, 0, 0);
        break;
    }

    LeaveCriticalSection(&(srv-
>m_tcctxt[user_id].user));
    return rtn;
}
else {

    /* if there is not parameter then send login
page data.
    this part use WWW browser only */

```

```

        sprintf (s_buf, loginpage, VLDAPATA,
&SOPATH);
        return 0;
    }
}

////////////////////////////////////
// CWinApp
// : MFC DLL
//

CWinApp theApp;

#ifdef WIZDEF
////////////////////////////////////
//

BEGIN_PARSE_MAP(CTpapIExtension, CHttpServer)
// TODO:
ON_PARSE_COMMAND()
// ON_PARSE_COMMAND_PARAMS()
// :

    ON_PARSE_COMMAND (Default,
CTpapIExtension, ITS_PSTR)
    DEFAULT_PARSE_COMMAND (Default,
CTpapIExtension)
END_PARSE_MAP(CTpapIExtension)
#endif

////////////////////////////////////
// CTpapIExtension

CTpapIExtension theExtension;

////////////////////////////////////
// CTpapIExtension
//
// constructor
//

CTpapIExtension::CTpapIExtension() : CHttpServer(?)
{
    DWORD kind;
    DWORD type;
    DWORD size;

    int user_id;
    int def_base = 1;
    int def_warehouse = 2000;
    int def_maxusers = 20000;
    int def_maxterm = 2000;
    int CONTROL_Flag = 0;

    int errcode = 0;

    union dtg {BYTE bit[32]; char chara[32]; DWORD
data[8];} reg_d;

    /* Open registry Area */
    RegOpenKeyEx(HKEY_LOCAL_MACHINE,
"SOFTWARE", 0,
KEY_READ | KEY_WRITE,
&m_tpccregkey);

    RegCreateKeyEx(m_tpccregkey, "Fujitsu", 0,
NULL,

```



```

        REG_OPTION_NON_VOLATILE,
KEY_READ | KEY_WRITE, NULL,
        &m_tpccregkey, &kind);

    RegCreateKeyEx(m_tpccregkey, "TPC-C ISAPI
Application", 0, NULL,
        REG_OPTION_NON_VOLATILE,
KEY_READ | KEY_WRITE, NULL,
        &m_tpccregkey, &kind);

    /* If the key is newly made, the default value is
set in the key. */
    if(kind == REG_CREATED_NEW_KEY) {
        RegSetValueEx(m_tpccregkey,
"Term_Base",
            0, REG_DWORD,(const unsigned
char *)&def_base, 4);
        RegSetValueEx(m_tpccregkey,
"NumWarehouses",
            0, REG_DWORD,(const unsigned
char *)&def_warehouse, 4);
        RegSetValueEx(m_tpccregkey, "MaxUsers",
            0, REG_DWORD,(const unsigned
char *)&def_maxusers, 4);
        RegSetValueEx(m_tpccregkey, "MaxTerm
of Client",
            0, REG_DWORD,(const unsigned
char *)&def_maxterm, 4);
        RegSetValueEx(m_tpccregkey,
"CONTROL_Flag",
            0, REG_DWORD,(const unsigned
char *)&CONTROL_Flag, 4);
    }

    /* Get registry data */
    RegQueryValueEx(m_tpccregkey, "Term_Base",
        0, &type,(unsigned char *)&reg_d.bit,
&size);
    Term_Base = reg_d.data[0];
    // Start terminal(user) number

    RegQueryValueEx(m_tpccregkey,
"NumWarehouses",
        0, &type,(unsigned char *)&reg_d.bit,
&size);
    maxwh = reg_d.data[0];
    // Max warehouse scale

    RegQueryValueEx(m_tpccregkey, "MaxUsers",
        0, &type,(unsigned char *)&reg_d.bit,
&size);
    maxconnect = reg_d.data[0];
    // Max terminal(user) number

    RegQueryValueEx(m_tpccregkey, "MaxTerm of
Client",
        0, &type,(unsigned char *)&reg_d.bit,
&size);
    maxterm = reg_d.data[0];
    // Max terminal(user) number of client

    RegQueryValueEx(m_tpccregkey,
"CONTROL_Flag",
        0, &type,(unsigned char *)&reg_d.bit,
&size);
    C_FLAG = reg_d.data[0];
    // debug flag

    InitializeCriticalSection (&crit);
    EnterCriticalSection (&crit);

#ifdef SCRTEST

    TLSIsTpnitedKey = TlsAlloc ();
#endif

    /* Initialize Working Area */
    for(user_id = 0; user_id < maxterm; user_id++) {
        m_tcctxt[user_id].w_id = 0;
        m_tcctxt[user_id].d_id = 0;
        m_tcctxt[user_id].trans_b = 0;
    }

    LeaveCriticalSection (&crit);
    srv = this;
}

//
// destructor
//
CTpaplExtension::~CTpaplExtension()
{
    int x;

    EnterCriticalSection(&crit);

    for(x = Term_Base; x < Term_Base + maxterm;
x++){
        Termfree (x);
    }

    LeaveCriticalSection(&crit);

    TlsFree(TLSIsTpnitedKey);
}

BOOL
CTpaplExtension::GetExtensionVersion(HSE_VERSION
N_INFO* pVer)
{
    //
    CHttpServer::GetExtensionVersion(pVer);

    //
    TCHAR
sz[HSE_MAX_EXT_DLL_NAME_LEN+1];
    ISAPIVERIFY(::LoadString(AfxGetResourceHandl
e(),
        IDS_SERVER, sz,
HSE_MAX_EXT_DLL_NAME_LEN));
    _tcscpy(pVer->lpszExtensionDesc, sz);
    return TRUE;
}

////////////////////////////////////
// HttpExtensionProc
////////////////////////////////////
// This method is called every time the user makes a
// request. We don't do anything here except catch a
// successful
// return value and substitute a value that permits the
// network connection to be kept alive.

DWORD
CTpaplExtension::HttpExtensionProc(EXTENSION_CO
NTROL_BLOCK *pECB)
{
    char QueryString[1024];
    char *page;
    int cookie = -1;
    int len, rtn;

    char S_BUF [BUF_SIZE];
    char S_WORK[WORK_SIZE];

    rte_input_data in_data_area;

#ifdef DBPRT
    char dbg_query[1024];
    long s_pid;
    char path_w[96];
#endif

    char szHeader[128];
    char szHeader1[128];
    int isize;
    BOOL rtcode;

    strcpy(QueryString, (char *)pECB-
>lpszQueryString);

#ifdef DBPRT
    strcpy(dbg_query, (char *)pECB-
>lpszQueryString);
#endif

    strct_init (&in_data_area );

    cookie = anly_para ((char *)QueryString,
&in_data_area );

#ifdef DBPRT
    if ( cookie >= 0){
        sprintf (path_w, "C:\tcllog\log%d", cookie);
        test_fp = fopen (path_w, "aw+");
    }
#endif

    // Terminal Number Check
    // If terminal number is not valid then send error
message.
    if ( cookie < Term_Base || cookie >= (Term_Base
+ maxterm) ){
        sprintf (S_BUF, badterm, Term_Base,
Term_Base+maxterm-1, cookie);
        len = strlen (S_BUF);

#ifdef DBPRT
        if ( cookie >= 0){
            fprintf (test_fp, "--> QUERY: %s\n",
dbg_query);
            fprintf (test_fp, "%s%s\n", S_WORK,
S_BUF);
            fflush (test_fp);
            fclose (test_fp);
        }
#endif
    }
}

```

```

        isize = sprintf (szHeader, "200 OK");
        sprintf (szHeader1,
                "Connection: keep-alive\r\nContent-
type: text/html\r\nContent-length: %d\r\n\r\n",
                len);

        rrcode = (*pECB-
>ServerSupportFunction)(pECB->ConnID,
HSE_REQ_SEND_RESPONSE_HEADER,

        szHeader, (unsigned long *)&isize,
(LPDWORD)szHeader1);

        rrcode = (*pECB->WriteClient)(pECB-
>ConnID, &S_BUF[0], (unsigned long *)&len, 0);

        return
HSE_STATUS_SUCCESS_AND_KEEP_CONN;
    }

    //
    rtn = select_trn ( &in_data_area, S_BUF,
cookie);

    //
    len = strlen (S_BUF);

    isize = sprintf (szHeader, "200 OK");

    sprintf (szHeader1,
            "Connection: keep-alive\r\nContent-
type: text/html\r\nContent-length: %d\r\n\r\n",
            len);

    rrcode = (*pECB->ServerSupportFunction)(pECB-
>ConnID, HSE_REQ_SEND_RESPONSE_HEADER,

    szHeader, (unsigned long *)&isize,
(LPDWORD)szHeader1);

    rrcode = (*pECB->WriteClient)(pECB->ConnID,
&S_BUF[0], (unsigned long *)&len, 0);

#ifdef DBPRT
    if ( cookie >= 0){
        fprintf (test_fp, "--> QUERY: %s\n",
dbg_query);
        fprintf (test_fp, "%s\n", S_WORK,
S_BUF);
        fflush (test_fp);
        fclose (test_fp);
    }
#endif

    // For Debug : output error message
    if ( (C_FLAG & PRT_ELOG) != 0 )
        if ( strstr (S_BUF, "ERROR") != 0 ) {
            FILE *test_fp2;
            char w_path[96];

            sprintf (w_path, "C:\\tclg\\log%d", cookie);
            test_fp2 = fopen (w_path, "aw+");
            fprintf (test_fp2, "%s\n", S_BUF);
            fflush(test_fp2);
            fclose(test_fp2);
        }

    }
}

return
HSE_STATUS_SUCCESS_AND_KEEP_CONN;
}

// Terminat
// Called when a user logs in. This function gives the
// user a cookie and creates a user context in the
server
// object associated with that cookie. The context
contains
// working copies of the response forms with the cookie
// plugged into them, the warehouse and district ids
// provided by the user, and the database connection.
// This function also opens the connection to the
database
// for this user.

int CTpaplExtension::Terminat(int w_id, int d_id, int
cookie)
{
    int user_id;

#ifdef USE_FML
    # define BUF_TYPE "FML"
#else
    # define BUF_TYPE "CARRAY"
#endif

#ifdef LOG_ALL
    char buffer[80];
#endif

    // Non-reentrant code.
    // Must find the first free context slot.

    EnterCriticalSection(&crit); // Make it thread
safe

    user_id = cookie - Term_Base;

    m_tcctxt[user_id].w_id = w_id;
    m_tcctxt[user_id].d_id = d_id;

#ifdef SCRTEST
    // Create Tuxedo buffer (Execute tmalloc)
    if ((m_tcctxt[user_id].trans_b =
(void *)tpalloc (BUF_TYPE, NULL,
trans_size)) == NULL) {

        // tmalloc abnormal end. create message
form.

#ifdef DBPRT
        fprintf (test_fp, "tmalloc() failed (%d) :
user_id=%d\n",
                tperno, cookie);
#endif

        LeaveCriticalSection(&crit);
        return (-1);
    }
}

#else

// For Debug : create local buffer
if ((m_tcctxt[user_id].trans_b =
(void *)malloc ( trans_size )) == NULL){
    // malloc abnormal end. create message
form.
#ifdef DBPRT
    fprintf (test_fp, "tmalloc() failed : user_id
= %d\n", cookie);
#endif
}

LeaveCriticalSection(&crit);
return (-1);
}

#endif

#ifdef USE_FML
    memset ( m_tcctxt[user_id].trans_b, 0,
(size_t)(trans_size));
#endif

LeaveCriticalSection(&crit);

InitializeCriticalSection(&(m_tcctxt[user_id].user));

return cookie;
}

// Termfree
// Given a cookie, determines whether there is a
session
// associated with it, and if there is, closes the attached
// database session, frees the associated resources,
and
// makes the slot available for future use.

void CTpaplExtension::Termfree (int Cookie) {

#ifdef LOG_ALL
    char buffer[80];
#endif

    int idx = Cookie - Term_Base;

    // Login alloc
    if(m_tcctxt[idx].w_id != 0) {

#ifdef SCRTEST
        tpfree ((char *)m_tcctxt[idx].trans_b);
#else
        free (m_tcctxt[idx].trans_b);
#endif

        // Deconstructor Enter
        LeaveCriticalSection(&(m_tcctxt[idx].user));

        // Login
        m_tcctxt[idx].d_id = 0;
        m_tcctxt[idx].w_id = 0;
    }
}

// For convenience, an overloaded version of Termfree
TPC Benchmark C Full Disclosure

```

```
// that understands the string representation of the
cookie.
void CTpaplExtension::Termfree (char *Cookie) {

    int x;

    if((x = str2int (Cookie, 4)) < 0) return;
    else Termfree (x);
}

// ClassWizard
#if 0
BEGIN_MESSAGE_MAP(CTpaplExtension,
CHttpServer)
    {{{AFX_MSG_MAP(CTpaplExtension)
    }}}AFX_MSG_MAP
END_MESSAGE_MAP()
#endif // 0

////////////////////////////////////
//          MFC
//
//          MFC
// AfxGetResourceHandle()    DllMain()
g_hInstance global
//

/****

static HINSTANCE g_hInstance;

HINSTANCE AFXISAPI AfxGetResourceHandle()
{
    return g_hInstance;
}

BOOL WINAPI DllMain(HINSTANCE hInst, ULONG
ulReason,
                    LPVOID lpReserved)
{
    if (ulReason == DLL_PROCESS_ATTACH)
    {
        g_hInstance = hInst;
    }

    return TRUE;
}

****/

File: tpapl.h
#if !defined(AFX_TPAPL_H__04D0797B_A452_11D1_8
D77_0000E20BF509__INCLUDED_)
#define
AFX_TPAPL_H__04D0797B_A452_11D1_8D77_0000E
20BF509__INCLUDED_

// tpapl Extension

#include "resource.h"
#include "tpccis.h"

int maxconnect;
int maxterm;
```

```
int Term_Base;
int maxwh;
int C_FLAG;
int TRN_ID[5];

typedef struct tc_tbl {

    void *trans_b;
    int w_id;
    int d_id;

    char n_ottname [8];
    char trn_id[5];

    CRITICAL_SECTION user;
} tc_context;

class CTpaplExtension : public CHttpServer
{
public:
    CTpaplExtension();
    ~CTpaplExtension();

    {{{AFX_VIRTUAL(CTpaplExtension)
    public:
    virtual BOOL
GetExtensionVersion(HSE_VERSION_INFO* pVer);
    }}}AFX_VIRTUAL

    DWORD HttpExtensionProc
( EXTENSION_CONTROL_BLOCK *pECB);
    BOOL ServiceAvailable;

    tc_context m_tcctxt[MAXTERM];

    HKEY m_tpcrcgkey;

    void Termfree (int Cookie);
    void Termfree (char *Cookie);
    int Terminate (int w_id, int d_id, int cookie);

    CRITICAL_SECTION crit;

#ifdef WIZDEF
    void Default(CHttpServerContext* pCtxt, LPTSTR
pszName);
    DECLARE_PARSE_MAP()
#endif
    {{{AFX_MSG(CTpaplExtension)
    }}}AFX_MSG
};

CTpaplExtension *srv;

{{{AFX_INSERT_LOCATION}}
}

#endif
// !defined(AFX_TPAPL_H__04D0797B_A452_11D1_8
D77_0000E20BF509__INCLUDED)

File: tpapl.mak
# Microsoft Developer Studio Generated NMAKE File,
Based on tpapl.dsp
!!F "$(CFG)" == ""
```

```
CFG=tpapl - Win32 keep
!MESSAGE                                tpapl - Win32 keep
!ENDIF

!IF "$(CFG)" != "tpapl - Win32 Release" && "$(CFG)" !=
"tpapl - Win32 keep"
!MESSAGE                                "$(CFG)"
!MESSAGE NMAKE
!MESSAGE
!MESSAGE
!MESSAGE NMAKE /f "tpapl.mak" CFG="tpapl - Win32
keep"
!MESSAGE
!MESSAGE
!MESSAGE
!MESSAGE "tpapl - Win32 Release" ("Win32 (x86)
Dynamic-Link Library" )
!MESSAGE "tpapl - Win32 keep" ("Win32 (x86)
Dynamic-Link Library" )
!MESSAGE
!ERROR
!ENDIF

!IF "$(OS)" == "Windows_NT"
NULL=
!ELSE
NULL=nul
!ENDIF

!IF "$(CFG)" == "tpapl - Win32 Release"

OUTDIR=.\\Release
INTDIR=.\\Release
# Begin Custom Macros
OutDir=.\\Release
# End Custom Macros

!IF "$(RECURSE)" == "0"

ALL : "$(OUTDIR)\\tpapl.dll"

!ELSE

ALL : "$(OUTDIR)\\tpapl.dll"

!ENDIF

CLEAN :
    -@erase "$(INTDIR)\\StdAfx.obj"
    -@erase "$(INTDIR)\\tpapl.obj"
    -@erase "$(INTDIR)\\tpapl.pch"
    -@erase "$(INTDIR)\\tpapl.res"
    -@erase "$(INTDIR)\\vc50.idb"
    -@erase "$(OUTDIR)\\tpapl.dll"
    -@erase "$(OUTDIR)\\tpapl.exp"
    -@erase "$(OUTDIR)\\tpapl.lib"

"$(OUTDIR)" :
    if not exist "$(OUTDIR)\\$(NULL)" mkdir "$(OUTDIR)"

CPP=cl.exe
CPP_PROJ=/nologo /MD /W3 /GX /O2 /I
"c:\tuxedo\include" /D "WIN32" /D "NDEBUG" /
/D "_WINDOWS" /D "_WINDLL" /D "_AFXDLL" /D
"_USRDLL" /D "Symfo" /D\
" _TMSTHEADS" /D "USE_FML"
/Fp"$(INTDIR)\\tpapl.pch" /Yu"stdafx.h"
/Fo"$(INTDIR)\\\\" /Fd"$(INTDIR)\\\\" /FD /c
```

```

CPP_OBJS=. \Release/
CPP_SBRS=.

.c{$(CPP_OBJS)}.obj::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cpp{$(CPP_OBJS)}.obj::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cxx{$(CPP_OBJS)}.obj::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.c{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cpp{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cxx{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

MTL=midl.exe
MTL_PROJ=/nologo /D "NDEBUG" /mktyplib203 /o NUL /win32
RSC=rc.exe
RSC_PROJ=/I 0x411 /fo"${(INTDIR)\tpapl.res" /d
"NDEBUG" /d "_AFXDLL"
BSC32=bscmake.exe
BSC32_FLAGS=/nologo /o"${(OUTDIR)\tpapl.bsc"
BSC32_SBRS= \

LINK32=link.exe
LINK32_FLAGS=libtux.lib libbuff.lib libtux2.lib libfml.lib
libfml32.lib\
libgp.lib /nologo /subsystem:windows /dll
/incremental:no\
/pdb:"$(OUTDIR)\tpapl.pdb" /machine:i386
/def:". \tpapl.def"\
/out:"$(OUTDIR)\tpapl.dll"
/implib:"$(OUTDIR)\tpapl.lib"\
/libpath:"c:\tuxedo\lib"
DEF_FILE= \
  ". \tpapl.def"
LINK32_OBJS= \
  "$(INTDIR)\StdAfx.obj" \
  "$(INTDIR)\tpapl.obj" \
  "$(INTDIR)\tpapl.res"

"${(OUTDIR)\tpapl.dll" : "$(OUTDIR)" $(DEF_FILE)
$(LINK32_OBJS)
$(LINK32) @<<
$(LINK32_FLAGS) $(LINK32_OBJS)
<<

!ELSEIF "$(CFG)" == "tpapl - Win32 keep"
OUTDIR=. \tpaplkeep
INTDIR=. \tpaplkeep
# Begin Custom Macros
OutDir=. \tpaplkeep
# End Custom Macros

!IF "$(RECURSE)" == "0"

ALL : "$(OUTDIR)\tpapl.dll" "$(OUTDIR)\tpapl.pch"

!ELSE

ALL : "$(OUTDIR)\tpapl.dll" "$(OUTDIR)\tpapl.pch"

!ENDIF

CLEAN :
  -@erase "$(INTDIR)\StdAfx.obj"
  -@erase "$(INTDIR)\tpapl.obj"
  -@erase "$(INTDIR)\tpapl.pch"
  -@erase "$(INTDIR)\tpapl.res"
  -@erase "$(INTDIR)\vc50.idb"
  -@erase "$(INTDIR)\vc50.pdb"
  -@erase "$(OUTDIR)\tpapl.dll"
  -@erase "$(OUTDIR)\tpapl.exp"
  -@erase "$(OUTDIR)\tpapl.ilc"
  -@erase "$(OUTDIR)\tpapl.lib"
  -@erase "$(OUTDIR)\tpapl.pdb"

"${(OUTDIR)" :
  if not exist "$(OUTDIR)\$(NULL)" mkdir "$(OUTDIR)"

CPP=cl.exe
CPP_PROJ=/nologo /MDd /W3 /Gm /GX /Zi /Od /I
"c:\tuxedo\include" /D "WIN32" /D\
"_DEBUG" /D "_WINDOWS" /D "_WINDLL" /D
"_AFXDLL" /D "_USRDLL" /D "Symfo" /D\
"_TMSTHEADS" /D "USE_FML"
/Fp"${(INTDIR)\tpapl.pch" /Yu"stdafx.h"\
/Fo"${(INTDIR)\}" /Fd"${(INTDIR)\}" /FD /c
CPP_OBJS=. \tpaplkeep/
CPP_SBRS=.

.c{$(CPP_OBJS)}.obj::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cpp{$(CPP_OBJS)}.obj::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cxx{$(CPP_OBJS)}.obj::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.c{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cpp{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

.cxx{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

!ELSEIF "$(CFG)" == "tpapl - Win32 keep"
.cxx{$(CPP_SBRS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

MTL=midl.exe
MTL_PROJ=/nologo /D "NDEBUG" /mktyplib203 /o NUL /win32
RSC=rc.exe
RSC_PROJ=/I 0x411 /fo"${(INTDIR)\tpapl.res" /d
"NDEBUG" /d "_AFXDLL"
BSC32=bscmake.exe
BSC32_FLAGS=/nologo /o"${(OUTDIR)\tpapl.bsc"
BSC32_SBRS= \

LINK32=link.exe
LINK32_FLAGS=libtux.lib libbuff.lib libtux2.lib libfml.lib
libfml32.lib\
libgp.lib /nologo /subsystem:windows /dll
/incremental:no\
/pdb:"$(OUTDIR)\tpapl.pdb" /machine:i386
/def:". \tpapl.def"\
/out:"$(OUTDIR)\tpapl.dll"
/implib:"$(OUTDIR)\tpapl.lib"\
/libpath:"c:\tuxedo\lib"
DEF_FILE= \
  ". \tpapl.def"
LINK32_OBJS= \
  "$(INTDIR)\StdAfx.obj" \
  "$(INTDIR)\tpapl.obj" \
  "$(INTDIR)\tpapl.res"

"${(OUTDIR)\tpapl.dll" : "$(OUTDIR)" $(DEF_FILE)
$(LINK32_OBJS)
$(LINK32) @<<
$(LINK32_FLAGS) $(LINK32_OBJS)
<<

!ELSEIF "$(CFG)" == "tpapl - Win32 Release"
.cxx{$(CPP_OBJS)}.sbr::
  $(CPP) @<<
  $(CPP_PROJ) $<
<<

MTL=midl.exe
MTL_PROJ=/nologo /D "_DEBUG" /mktyplib203 /o NUL
/win32
RSC=rc.exe
RSC_PROJ=/I 0x411 /fo"${(INTDIR)\tpapl.res" /d
"_DEBUG" /d "_AFXDLL"
BSC32=bscmake.exe
BSC32_FLAGS=/nologo /o"${(OUTDIR)\tpapl.bsc"
BSC32_SBRS= \

LINK32=link.exe
LINK32_FLAGS=libtux.lib libbuff.lib libtux2.lib libfml.lib
libfml32.lib\
libgp.lib /nologo /subsystem:windows /dll
/incremental:yes\
/pdb:"$(OUTDIR)\tpapl.pdb" /debug /machine:i386
/def:". \tpapl.def"\
/out:"$(OUTDIR)\tpapl.dll" /implib:"$(OUTDIR)\tpapl.lib"
/pdbtype:sept\
/libpath:"c:\tuxedo\lib"
DEF_FILE= \
  ". \tpapl.def"
LINK32_OBJS= \
  "$(INTDIR)\StdAfx.obj" \
  "$(INTDIR)\tpapl.obj" \
  "$(INTDIR)\tpapl.res"

"${(OUTDIR)\tpapl.dll" : "$(OUTDIR)" $(DEF_FILE)
$(LINK32_OBJS)
$(LINK32) @<<
$(LINK32_FLAGS) $(LINK32_OBJS)
<<

!ENDIF

!IF "$(CFG)" == "tpapl - Win32 Release" || "$(CFG)" ==
"tpapl - Win32 keep"
SOURCE=. \StdAfx.cpp
DEP_CPP_STDAF= \
  ". \StdAfx.h"\

!ENDIF

!IF "$(CFG)" == "tpapl - Win32 Release"

CPP_SWITCHES=/nologo /MD /W3 /GX /O2 /I
"c:\tuxedo\include" /D "WIN32" /D\
"NDEBUG" /D "_WINDOWS" /D "_WINDLL" /D
"_AFXDLL" /D "_USRDLL" /D "Symfo" /D\
"_TMSTHEADS" /D "USE_FML"
/Fp"${(INTDIR)\tpapl.pch" /Yc"stdafx.h"\
/Fo"${(INTDIR)\}" /Fd"${(INTDIR)\}" /FD /c

"${(INTDIR)\StdAfx.obj" "$(INTDIR)\tpapl.pch" :
$(SOURCE) $(DEP_CPP_STDAF)
"${(INTDIR)"
  $(CPP) @<<
  $(CPP_SWITCHES) $(SOURCE)
<<

!ELSEIF "$(CFG)" == "tpapl - Win32 keep"

```

```

CPP_SWITCHES=/nologo /MDd /W3 /Gm /GX /Zi /Od
/I "c:\tuxedo\include" /D "WIN32"
/D "_DEBUG" /D "_WINDOWS" /D "_WINDLL" /D
"_AFXDLL" /D "_USRDLL" /D "Symfo" /D\
"_TMSTHEADS" /D "USE_FML"
/Fp"${(INTDIR)\tpapl.pch" /Yc"stdafx.h"
/Fo"${(INTDIR)\\" /Fd"${(INTDIR)\\" /FD /c

```

```

"${(INTDIR)\StdAfx.obj" "$(INTDIR)\tpapl.pch" :
$(SOURCE) $(DEP_CPP_STDAF)
"${(INTDIR)"
$(CPP) @<<
$(CPP_SWITCHES) $(SOURCE)
<<

```

```
!ENDIF
```

```
SOURCE=. \tpapl.cpp
```

```
!IF "$(CFG)" == "tpapl - Win32 Release"
```

```

DEP_CPP_TPAPL=
".\..\tuxedo\include\atmi.h"
".\..\tuxedo\include\fm1.h"
".\..\tuxedo\include\tmenv.h"
".\bench2.h"
".\dbgprt.h"
".\delpage.h"
".\dmy.h"
".\fldtbl.h"
".\menupage.h"
".\newpage.h"
".\odrpge.h"
".\paypage.h"
".\stpage.h"
".\tpapl.h"
".\tpcc_info.h"
".\tpccis.h"
".\tpcinweb.h"
".\tpcweb.h"
".\trans.h"

```

```

CPP_SWITCHES=/nologo /MD /W3 /GX /O2 /I
"c:\tuxedo\include" /D "WIN32" /D\
"NDEBUG" /D "_WINDOWS" /D "_WINDLL" /D
"_AFXDLL" /D "_USRDLL" /D "Symfo" /D\
"_TMSTHEADS" /D "USE_FML"
/Fp"${(INTDIR)\tpapl.pch" /Yu"stdafx.h"
/Fo"${(INTDIR)\\" /Fd"${(INTDIR)\\" /FD /c

```

```

"${(INTDIR)\tpapl.obj" : $(SOURCE)
$(DEP_CPP_TPAPL) "${(INTDIR)"
"${(INTDIR)\tpapl.pch"
$(CPP) @<<
$(CPP_SWITCHES) $(SOURCE)
<<

```

```
!ELSEIF "$(CFG)" == "tpapl - Win32 keep"
```

```

DEP_CPP_TPAPL=
".\..\tuxedo\include\atmi.h"
".\..\tuxedo\include\fm1.h"
".\..\tuxedo\include\tmenv.h"
".\bench2.h"
".\dbgprt.h"
".\delpage.h"

```

```

".\dmy.h"
".\fldtbl.h"
".\menupage.h"
".\newpage.h"
".\odrpge.h"
".\paypage.h"
".\StdAfx.h"
".\stpage.h"
".\tpapl.h"
".\tpcc_info.h"
".\tpccis.h"
".\tpcinweb.h"
".\tpcweb.h"
".\trans.h"

```

```

CPP_SWITCHES=/nologo /MDd /W3 /Gm /GX /Zi /Od
/I "c:\tuxedo\include" /D "WIN32"
/D "_DEBUG" /D "_WINDOWS" /D "_WINDLL" /D
"_AFXDLL" /D "_USRDLL" /D "Symfo" /D\
"_TMSTHEADS" /D "USE_FML" /Fo"${(INTDIR)"
/Fd"${(INTDIR)\\" /FD /c

```

```

"${(INTDIR)\tpapl.obj" : $(SOURCE)
$(DEP_CPP_TPAPL) "${(INTDIR)"
$(CPP) @<<
$(CPP_SWITCHES) $(SOURCE)
<<

```

```
!ENDIF
```

```
SOURCE=. \tpapl.rc
```

```

"${(INTDIR)\tpapl.res" : $(SOURCE) "${(INTDIR)"
$(RSC) $(RSC_PROJ) $(SOURCE)

```

```
!ENDIF
```

#### File: tpcarea.h

```
/* Client context area (oracle web server) */
```

```

typedef struct {
// void *trans_b; /* pointer of interface area with TP
application */
int prt_cnt; /* print counter : for debug */
int clent_num; /* maximam client matchine
number */
int max_user; /* maximam user number */
int ott_num; /* maximam TP applicaton
program of 1 client */
int clent[MAXCLIENT][2]; /* client matchine
infomation */
int ott [MAXCLIENT][MAXOTT]; /* TP application
program information */
}tpc_struct;

```

#### File: tpcc\_info.h

```

/*=====
=====+
FILENAME : tpcc_info.h
DESCRIPTION
+=====
=====*/

```

```

#ifndef TPCC_INFO_H
#define TPCC_INFO_H

```

```
#define trans_size 1104 /* interfase area size */
```

```
#ifndef Symfo
```

```
/* Oracle use only
```

```
The external variable is declared. (this file use tpcc.c
only) */
```

```

long olen;
void *trans_buf;
int trans_size = 1024;
int svrnum;

```

```

int logincnt = 0;
int base_cok = 0;
char NewOrdername[20];
char Paymentname[20];
char OrderStatusname[20];
char Deliveryname[20];
char StockLevelname[20];

```

```

char s_buf[BUF_SIZE];
char s_work[WORK_SIZE];

```

```

int now_cookie = 0;
int now_w_id = 0;
int now_d_id = 0;
char now_ottname[8] =
{0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00};
#endif

```

```
#define VLDATA "Ver 2.1 keep-fml"
```

```

#ifndef Symfo
#define INTNULL -32768
#else
#define INTNULL 0
#endif

```

```
#ifndef SCRTEST
```

```

#ifdef DBPRT
char SOPATH[] = "/dbgSD/tpapl.dll"; /*
DEBG Mode: SCRTEST & DBPRT */
#define MDDATA "SCR And DP"
#else
char SOPATH[] = "/tpc/tpapl.dll"; /* DEBG
Mode: SCRTEST */
#define MDDATA "SCR"
#endif

```

```
#else
```

```

#ifdef NOSCR
char SOPATH[] = "/tpc/tpapl.dll"; /* DEGB
Mode: */
#define MDDATA "DBG"
#else
char SOPATH[] = "/tpc/tpapl.dll"; /* Release
Mode: */
#define MDDATA "REL"
#endif

```

```

#endif

#ifdef DBPRT          /* for debug */
FILE  *test_fp;
#endif

#endif

File: tpciiis.h
//
// Client Application Header file
//
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <sys/types.h>
#include <time.h>
#include <math.h>
#include <stdarg.h>
#include <signal.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <malloc.h>
#include <process.h>

/* TPC-C transaction functions
extern int TPCinit ();
extern int TPCnew ();
extern int TPCpay ();
extern int TPCord ();
extern int TPCdel ();
extern int TPCsto ();
extern int TPCexit ();
extern int TPCdumpinit ();
extern int TPCdumpnew ();
extern int TPCdumppay ();
extern int TPCdumpord ();
extern int TPCdumpdel ();
extern int TPCdumpsto ();
extern int TPCdumpexit ();
*/

#define MAXCONNECT 25000
#define MAXTERM 6000
#define MAXWH 2500 /* Max Warehouse
scale */

/* The maximum value of client machine which can be
processed */
#define MAXCLIENT 10

/* The maximum value of TP application program of 1
client machine
which can be processed */
#define MAXOTT 80

/* number of Transaction */
#define TRANNEW 1
#define TRANPAY 2
#define TRANORD 3
#define TRANDEL 4
#define TRANSTO 5

/* Error codes : send from TP application program */
#define RECOVERR -10

#define IRRECERR -20
#define NOERR 111

#define NG 0
#define OK 1

#define BUF_S 4096 /* size of the send buffer area
*/
#define WORK_S 2400 /* size of the work buffer area
*/

#define TERM_V 0x1 // Terminal Verification
#define PRT_ELOG 0x8// Output Debug Message

// SymfoWare Use Only
#define TX_NEWORDER 1
#define TX_PAYMENT 2
#define TX_ORDERSTAT 3
#define TX_DELIVERY 4
#define TX_STOCKLVL 5

/* Debug Print proc define : debug use only */

#ifdef DBPRT

#if ( DBPRT > 5 )
#define DBGPPROC proc
#define DBGRRPROC proc

#else
#define DBGPPROC proc
#define DBGRRPROC proc
#endif

#else
#define DBGPPROC
#define DBGRRPROC
#endif

File: tpcinweb.h
/* -----
tpcinweb.h
Transaction input data screen data
*/
/* -----
delivery page
* -----*/

#define in_delpage2 "\
<HTML><HEAD><TITLE>TPC-C:
Delivery</TITLE></HEAD>\r\n\
<BODY><FORM ACTION=\"%s\"
METHOD=\"GET\">\r\n\
<INPUT TYPE=\"hidden\" NAME=\"f\"
VALUE=\"D\">\r\n\
<INPUT TYPE=\"hidden\" NAME=\"c\" VALUE=%d>\r\n\
<center>Delivery<br></center>\r\n\
<font size=3><PRE>\
Warehouse:%4d\r\n\
\r\n\
Carrier Number:<INPUT NAME=\"OC\" SIZE=2
maxlength=2>\r\n\
\r\n\
Execution Status:\r\n\
</PRE><INPUT
TYPE=\"submit\"></FORM></BODY></HTML>\r\n"

#define in_newpage "\
<HTML><HEAD><TITLE>TPC-C: New
Order</TITLE></HEAD>\r\n\
<BODY><FORM ACTION=\"%s\"
METHOD=\"GET\">\r\n\
<INPUT TYPE=\"hidden\" NAME=\"f\"
VALUE=\"N\">\r\n\
<INPUT TYPE=\"hidden\" NAME=\"c\" VALUE=%d>\r\n\
<center>New Order<br></center>\r\n\
<PRE><font size=4>Warehouse: %4d District:
<INPUT NAME=\"D\" SIZE=2 maxlength=2>
Date:\r\n\
Customer: <INPUT NAME=\"CI\" SIZE=4
maxlength=4> Name:
Credit: %%Disc:\r\n\
Order Number:      Number of Lines:      W_tax:
D_tax:\r\n\
Supp_W Item_Id Item Name      Qty Stock
B/G Price Amount\r\n\
<INPUT NAME=\"OS01\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI01\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO01\" SIZE=2 maxlength=2>\r\n\
<INPUT NAME=\"OS02\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI02\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO02\" SIZE=2 maxlength=2>\r\n\
<INPUT NAME=\"OS03\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI03\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO03\" SIZE=2 maxlength=2>\r\n\
<INPUT NAME=\"OS04\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI04\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO04\" SIZE=2 maxlength=2>\r\n\
<INPUT NAME=\"OS05\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI05\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO05\" SIZE=2 maxlength=2>\r\n\
<INPUT NAME=\"OS06\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI06\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO06\" SIZE=2 maxlength=2>\r\n\
\r\n\
#define in_newpage2 "\
<INPUT NAME=\"OS07\" SIZE=4 maxlength=4>
<INPUT NAME=\"OI07\" SIZE=6 maxlength=6>
<INPUT NAME=\"OO07\" SIZE=2 maxlength=2>\r\n\

```



```
#define errhtml "\
<HTML><HEAD><TITLE>ERROR: TPC-
C</TITLE></HEAD><BODY>\
<p>You did something bad. The error message
was:</p>\
<PRE>%s</PRE>\
<p>Either hit the "back" button on your browser and fix
the problem, \
or hit the "Quit" button below to terminate this session.
</P><HR>\
<P><FORM ACTION="%s" METHOD="GET">\
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</FORM></P></BODY></HTML>\r\n"

/* If TP application terminated abnormally then use this
format. */
#define tuxerr "\
<HTML><HEAD><TITLE>ERROR: Tuxedo
</TITLE></HEAD><BODY>\
<P>The database could not process your request. \
tpcall terminated abnormally.</P>\
<HR><PRE>%s</PRE><HR>\
<FORM ACTION="%s" METHOD="GET">\
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</BODY></HTML>"

/* If Oracle application terminated abnormally then use
this format. */
#define oraerr "\
<HTML><HEAD><TITLE>ERROR: ORACLE
</TITLE></HEAD><BODY>\
<P>The database could not process your request. \
Transaction terminated abnormally.</P>\
<HR><PRE>%s</PRE><HR>\
<FORM ACTION="%s" METHOD="GET">\
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</BODY></HTML>"

/* If SymfoWare application terminated abnormally then
use this format. */
#define symfoerr "\
<HTML><HEAD><TITLE>ERROR:
SYMFOWARE</TITLE></HEAD><BODY>\
<P>The database could not process your request. \
Transaction terminated abnormally.</P>\
<HR><PRE>%s</PRE><HR>\
<FORM ACTION="%s" METHOD="GET">\
<INPUT TYPE="hidden" NAME="c" VALUE=%d>\
<INPUT TYPE="submit" NAME="b"
VALUE="Quit">\
</BODY></HTML>"

/* If TPINIT() abnormally then use this format. */
#define tuxierr "\
<HTML><HEAD><TITLE>ERROR: Tuxedo-init
</TITLE></HEAD><BODY>\
<P>The database could not process your request. \
%s terminated abnormally.</P>\
</BODY></HTML>"
```

File: trans.h

```
/*=====
=====+
FILENAME : trans.h
the work struct according to transaction is declared.
+=====
=====*/

#ifndef Symfo // if DB-Server is not SymfoWare

/* New order struct */
struct newinstruct {
    int w_id;
    int d_id;
    int c_id;
    int ol_i_id[15];
    int ol_supply_w_id[15];
    int ol_quantity[15];
};

struct newoutstruct {
    int terror;
    int o_id;
    int o_ol_cnt;
    char c_last[17];
    char c_credit[3];
    float c_discount;
    float w_tax;
    float d_tax;
    char o_entry_d[20];
    float total_amount;
    char i_name[15][25];
    int s_quantity[15];
    char brand_generic[15];
    float i_price[15];
    float ol_amount[15];
    char status[26];
    int retry;
};

struct newstruct {
    int tran_kind;
    struct newinstruct newin;
    struct newoutstruct newout;
};

/* Payment struct */
struct payinstruct {
    int w_id;
    int d_id;
    int c_w_id;
    int c_d_id;
    int c_id;
    int bylastname;
    float h_amount; /* old-tool.kit */
    int h_amount;
    char c_last[17];
};

struct payoutstruct {
    int terror;
    char w_street_1[21];
    char w_street_2[21];
    char w_city[21];
    char w_state[3];
    char w_zip[10];
```

```
char d_street_1[21];
char d_street_2[21];
char d_city[21];
char d_state[3];
char d_zip[10];
int c_id;
char c_first[17];
char c_middle[3];
char c_last[17];
char c_street_1[21];
char c_street_2[21];
char c_city[21];
char c_state[3];
char c_zip[10];
char c_phone[17];
char c_since[11];
char c_credit[3];
double c_credit_lim;
float c_discount;
double c_balance;
char c_data[20];
char h_date[20];
int retry;
};

struct paystruct {
    int tran_kind;
    struct payinstruct payin;
    struct payoutstruct payout;
};

/* Order status struct */
struct ordinstruct {
    int w_id;
    int d_id;
    int c_id;
    int bylastname;
    char c_last[17];
};

struct ordoutstruct {
    int terror;
    int c_id;
    char c_last[17];
    char c_first[17];
    char c_middle[3];
    double c_balance;
    int o_id;
    char o_entry_d[20];
    int o_carrier_id;
    int o_ol_cnt;
    int ol_supply_w_id[15];
    int ol_i_id[15];
    int ol_quantity[15];
    float ol_amount[15];
    char ol_delivery_d[15][11];
    int retry;
};

struct ordstruct {
    int tran_kind;
    struct ordinstruct ordin;
    struct ordoutstruct ordout;
};

/* Delivery struct */
struct delinstruct {
```



```

int w_id;
int o_carrier_id;
long qtime;
long uqtime;
int in_timing_int;
};

struct deloutstruct {
    int terror;
    int retry;
};

struct delstruct {
    int tran_kind;
    struct delinstruct delin;
    struct deloutstruct delout;
};

/* Stock level struct */
struct stoinstruct {
    int w_id;
    int d_id;
    int threshold;
};

struct stooutstruct {
    int terror;
    int low_stock;
    int retry;
};

struct stostruct {
    int tran_kind;
    struct stoinstruct stoin;
    struct stooutstruct stoout;
};

/* Client context area (oracle web server) */

typedef struct {
    void *trans_b; /* pointer of interface area with TP
application */
    int prt_cnt; /* print counter : for debug */
    int clent_num; /* maximam client matchine
number */
    int max_user; /* maximam user number */
    int ott_num; /* maximam TP applicaton
program of 1 client */
    int clent[MAXCLIENT][2]; /* client matchine
information */
    int ott [MAXCLIENT][MAXOTT]; /* TP application
program information*/
}tpc_struct;

#endif // IF DB is not SymfoWare.

/* RTE - Client interface struct */
typedef struct {
    char *button,
    *cookie,
    *form,
    *O_CARRIER_ID,
    *threshold,
    *D_ID,
    *C_ID,
    *C_W_ID,
    *C_D_ID,
    *C_LAST,
    *H_AMOUNT,
    *OL_SUPPLY_W_ID[15],
    *OL_I_ID[15],
    *OL_QUANTITY[15];
} rte_input_data;

```



# Appendix B: Server Source Code

## File: bench1.h

```

/* bench1.h */

#define DIST_PER_WARE 10

EXEC SQL BEGIN DECLARE SECTION;
short w_id;
char w_name[11];
char w_street_1[21];
char w_street_2[21];
char w_city[21];
char w_state[3];
char w_zip[10];
long w_tax;
double w_ytd;

short d_id;
char d_name[11];
char d_street_1[21];
char d_street_2[21];
char d_city[21];
char d_state[3];
char d_zip[10];
long d_tax;
long d_ytd; /* add 96.8.13 */
long d_next_o_id;

/*short c_id;*/
/*int c_id; 960823*/
long c_id;
short c_d_id;
short c_w_id;
char c_first[17];
char c_middle[3];
char c_last[17];
char c_street_1[21];
char c_street_2[21];
char c_city[21];
char c_state[3];
char c_zip[10];
char c_phone[17];
/*dtime_t c_since;*/
/*double c_since; 960821*/
/*char c_since[14]; 1997.01.27 */
char c_since[15];
char c_credit[3];
double c_credit_lim;
/*long c_credit_lim;*/
long c_discount;
double c_balance;
/*long c_balance;*/
double c_ytd_payment;
short c_payment_cnt;
/*long c_payment_cnt;*/
char c_data[501];

```

```

/*dtime_t h_date;*/
/*double h_date; 960821*/
/*char h_date[14]; 1997.01.27 */
char h_date[15];
long h_amount;
char h_data[25];

long no_o_id;

long o_id;
/*dtime_t o_entry_d;*/
/*double o_entry_d; 960821*/
/*char o_entry_d[14]; 1997.01.27 */
char o_entry_d[15]; /*dec 1997.01.27 */
short o_carrier_id;
short o_ol_cnt;
short o_all_local;

long ol_number;
long ol_i_id;
short ol_supply_w_id;
/*dtime_t ol_delivery_d;*/
/*double ol_delivery_d; 960821*/
/*char ol_delivery_d[14]; 1997.01.27 */
char ol_delivery_d[15];
short ol_quantity;
long ol_amount;
/*double ol_amount;*/
char ol_dist_info[25]; /* 1997.01.27 */

long s_quantity;
char s_dist_01[25]; /* 1997.01.27 */
char s_dist_02[25]; /* 1997.01.27 */
char s_dist_03[25]; /* 1997.01.27 */
char s_dist_04[25]; /* 1997.01.27 */
char s_dist_05[25]; /* 1997.01.27 */
char s_dist_06[25]; /* 1997.01.27 */
char s_dist_07[25]; /* 1997.01.27 */
char s_dist_08[25]; /* 1997.01.27 */
char s_dist_09[25]; /* 1997.01.27 */
char s_dist_10[25]; /* 1997.01.27 */
double s_ytd;
long s_order_cnt;
long s_remote_cnt;
char s_data[51];

/*long i_price[15]; */
/*char i_data[15][51]; */
/*char i_name[15][25]; */
long i_priceh;
char i_datah[51];
char i_nameh[25];

```

EXEC SQL END DECLARE SECTION;

## File: bench3.h

```

/* ORDERLINE INSERT */

typedef struct{
    long ol_o_id;
    short ol_d_id;
    short ol_w_id;

```

```

    long ol_number;
    long ol_i_id;
    short ol_supply_w_id;
/* char ol_delivery_d[14]; 960912 */
    short ol_quantity;
/* char dummy1[2]; 960912 */
    long ol_amount;
    char ol_dist_info[25];
    char dummy2[3];
}Ink_ol;

```

## File: cpl.bat

```

@if "%1" == "" goto HELP
@if not "%2" == "" goto HELP

set SRCPH=.
sqlcc -W96 -I %SRCPH% -t %SRCPH% -
I %SRCPH%\inc %SRCPH%\%1.pc
I %TUXDIR%\include I %SRCPH%\inc /c

pause
set CFLAGS=/D USE_FML /I .\inc

buildserver -o %1 -I f3cwndrv.lib kernel32.lib user32.lib
gdi32.lib winspool.lib comdlg32.lib advapi32.lib
shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib
odbc32.lib f3bcimp.lib olinsert.obj %SRCPH%\%1.c"
-f"/Zi" -s TPCC
@rem f3cwuapi.lib
@goto END

@REM #
@REM #
@REM #
:HELP
@echo *****
@echo **
@echo ** cpl
@echo *****
:END

```

## File: OLINSERT.scob

```

000100 IDENTIFICATION DIVISION.
000200 PROGRAM-ID. OLINSERT.
000300 AUTHOR. H.HARA.
000400 DATE-WRITTEN. 96.08.27.
000500 ENVIRONMENT DIVISION.
000600 CONFIGURATION SECTION.
000900 DATA DIVISION.
001000*
001100 WORKING-STORAGE SECTION.
002200 01 CTR PIC S9(04) COMP-5.
002300*
002400 EXEC SQL BEGIN DECLARE SECTION
END-EXEC.
002500 01 G-OL.
002600 02 REC-OL OCCURS 15.

```

```

001500 03 OL-O-ID PIC S9(09) COMP-5
SYNC.
001600 03 OL-D-ID PIC S9(04) COMP-5
SYNC.
001700 03 OL-W-ID PIC S9(04) COMP-5
SYNC.
001800 03 OL-NUMBER PIC S9(09) COMP-5
SYNC.
001500 03 OL-I-ID PIC S9(09) COMP-5 SYNC.
001600 03 OL-SUPPLY-W-ID PIC S9(04) COMP-5
SYNC.
001700* 03 OL-DELIVERY-D PIC X(14)
001800 03 OL-QUANTITY PIC S9(04) COMP-5
SYNC.
001700* 03 DUMMY1 PIC X(02)
001700 03 OL-AMOUNT PIC S9(09) COMP-5
SYNC.
001800 03 OL-DIST-INFO PIC X(24)
001700* 03 DUMMY2 PIC X(04)
001000*
004100 01 O-OL-CNT PIC S9(04) COMP-5
SYNC.
001000*
004100 01 SQLSTATE PIC X(05).
004200 01 SQLMSG PIC X(256).
004300 EXEC SQL END DECLARE SECTION
END-EXEC.
004400*
001100 LINKAGE SECTION.
001200 01 LIN-OL.
001400 02 LIN-REC-OL OCCURS 15.
001500 03 LIN-OL-O-ID PIC S9(09) COMP-5
SYNC.
001600 03 LIN-OL-D-ID PIC S9(04) COMP-5
SYNC.
001700 03 LIN-OL-W-ID PIC S9(04) COMP-5
SYNC.
001800 03 LIN-OL-NUMBER PIC S9(09)
COMP-5 SYNC.
001500 03 LIN-OL-I-ID PIC S9(09) COMP-5
SYNC.
001600 03 LIN-OL-SUPPLY-W-ID PIC S9(04)
COMP-5 SYNC.
001700* 03 LIN-OL-DELIVERY-D PIC X(14)
001800 03 LIN-OL-QUANTITY PIC S9(04)
COMP-5 SYNC.
001700* 03 LIN-DUMMY1 PIC X(02)
001700 03 LIN-OL-AMOUNT PIC S9(09)
COMP-5 SYNC.
001800 03 LIN-OL-DIST-INFO PIC X(25)
001700 03 LIN-DUMMY2 PIC X(03)
001000*
001400 77 LIN-O-OL-CNT PIC S9(04) COMP-5
SYNC.
001000*
004100 77 LIN-SQLSTATE PIC X(05).
004500*-----*
004600 PROCEDURE DIVISION USING LIN-OL LIN-
O-OL-CNT LIN-SQLSTATE.
004700*-----*
004800 P-START.
004900 DISPLAY *** OLINSERT START *** UPON
SYSOUT.
005000** EXEC SQL START SQL END-EXEC.
005100*-----*
006700 INITIALIZE CTR SQLSTATE.
001500 MOVE LIN-O-OL-CNT TO O-OL-CNT.

005200 PERFORM TEST BEFORE VARYING CTR
FROM 1 BY 1
005200 UNTIL CTR > LIN-O-OL-CNT
001500** MOVE LIN-REC-OL(CTR) TO REC-
OL(CTR)
001500 MOVE LIN-OL-O-ID(CTR) TO OL-O-
ID(CTR)
001600 MOVE LIN-OL-D-ID(CTR) TO OL-D-
ID(CTR)
001700 MOVE LIN-OL-W-ID(CTR) TO OL-W-
ID(CTR)
001800 MOVE LIN-OL-NUMBER(CTR) TO OL-
NUMBER(CTR)
001500 MOVE LIN-OL-I-ID(CTR) TO OL-I-
ID(CTR)
001600 MOVE LIN-OL-SUPPLY-W-ID(CTR) TO
OL-SUPPLY-W-ID(CTR)
001700** MOVE LIN-OL-DELIVERY-D(CTR) TO
OL-DELIVERY-D(CTR)
001800 MOVE LIN-OL-QUANTITY(CTR) TO OL-
QUANTITY(CTR)
001700 MOVE LIN-OL-AMOUNT(CTR) TO OL-
AMOUNT(CTR)
001800 MOVE LIN-OL-DIST-INFO(CTR) TO OL-
DIST-INFO(CTR)
011400** DISPLAY "***** CTR ***** " CTR
018100 DISPLAY "OL-O-ID = " OL-O-ID(CTR)
018100** DISPLAY "OL-D-ID = " OL-D-ID(CTR)
018100** DISPLAY "OL-W-ID = " OL-W-
ID(CTR)
018100** DISPLAY "OL-NUMBER = " OL-
NUMBER(CTR)
018100** DISPLAY "OL-I-ID = " OL-I-ID(CTR)
018100** DISPLAY "OL-SUPPLY-W-ID = " OL-
SUPPLY-W-ID(CTR)
018100** DISPLAY "OL-DELIVERY-D = " OL-
DELIVERY-D(CTR)
018100** DISPLAY "OL-QUANTITY = " OL-
QUANTITY(CTR)
018100** DISPLAY "OL-AMOUNT = " OL-
AMOUNT(CTR)
018100** DISPLAY "OL-DIST-INFO = " OL-DIST-
INFO(CTR)
005200 END-PERFORM.
005100*-----*
015100** EXEC SQL INSERT INTO
TPCC_SCHEMA.ORDERLINE
015300** VALUES (:G-OL.REC-OL)
FOR :O-OL-CNT
015100 EXEC SQL INSERT INTO
TPCC_SCHEMA.ORDERLINE(
015100
OL_O_ID,OL_D_ID,OL_W_ID,OL_NUMBER,OL_I_ID,
001600
OL_SUPPLY_W_ID,OL_QUANTITY,OL_AMOUNT,
001800 OL_DIST_INFO)
015300 VALUES (:G-OL.REC-OL)
FOR :O-OL-CNT
015400 END-EXEC.
015400*
015400 MOVE SQLSTATE TO LIN-SQLSTATE.
015400*
016600 IF SQLSTATE = "00000"
016700 MOVE 0 TO PROGRAM-STATUS
018000 ELSE
016700 MOVE 1 TO PROGRAM-STATUS
011400** DISPLAY "SQLSTATE =" SQLSTATE
018100** DISPLAY "SQLMSG =" SQLMSG(1:256)

017700** EXEC SQL
017800** COMMIT WORK
017900** END-EXEC
018600 END-IF.
018900*-----*
019000 P-END.
019100** DISPLAY *** OLINSERT END ***.
019200 P-ERR.
019300** EXEC SQL END SQL END-EXEC.
019400 EXIT PROGRAM.
019400 END PROGRAM OLINSERT.

File: stored.h
/*-----*/
/* stored.h : sql declare section for */
/* stored proceduer call */
/* */
/* 1996.9.6 s.sato */
/*-----*/
EXEC SQL BEGIN DECLARE SECTION;
char state[6];
char sqlmsg[257];
short sqlmsg_ind;
int errorpos;

short w_name_ind;
short w_street_1_ind;
short w_street_2_ind;
short w_city_ind;
short w_state_ind;
short w_zip_ind;
short w_tax_ind;

short d_id_ind;
short d_name_ind;
short d_street_1_ind;
short d_street_2_ind;
short d_city_ind;
short d_state_ind;
short d_zip_ind;
short d_tax_ind;

short c_id_ind;
short c_first_ind;
short c_middle_ind;
short c_last_ind;
short c_street_1_ind;
short c_street_2_ind;
short c_city_ind;
short c_state_ind;
short c_zip_ind;
short c_phone_ind;
short c_credit_ind;
short c_credit_lim_ind;
short c_discount_ind;
short c_balance_ind;
short c_ytd_payment_ind;
short c_payment_cnt_ind;
short c_since_ind;
varchar c_datax[501];
short c_data_ind ;

short o_id_ind;
short o_entry_d_ind;
short o_carrier_id_ind;

```

short	o_all_local_ind;	short	ol_quantity5;	char	ol_delivery_d13[14];
short	no_o_id_ind;	short	ol_quantity6;	char	ol_delivery_d14[14];
long	ol_i_id1;	short	ol_quantity7;	char	ol_delivery_d15[14];
long	ol_i_id2;	short	ol_quantity8;	short	ol_delivery_d1_ind;
long	ol_i_id3;	short	ol_quantity9;	short	ol_delivery_d2_ind;
long	ol_i_id4;	short	ol_quantity10;	short	ol_delivery_d3_ind;
long	ol_i_id5;	short	ol_quantity11;	short	ol_delivery_d4_ind;
long	ol_i_id6;	short	ol_quantity12;	short	ol_delivery_d5_ind;
long	ol_i_id7;	short	ol_quantity13;	short	ol_delivery_d6_ind;
long	ol_i_id8;	short	ol_quantity14;	short	ol_delivery_d7_ind;
long	ol_i_id9;	short	ol_quantity15;	short	ol_delivery_d8_ind;
long	ol_i_id10;	short	ol_quantity1_ind;	short	ol_delivery_d9_ind;
long	ol_i_id11;	short	ol_quantity2_ind;	short	ol_delivery_d10_ind;
long	ol_i_id12;	short	ol_quantity3_ind;	short	ol_delivery_d11_ind;
long	ol_i_id13;	short	ol_quantity4_ind;	short	ol_delivery_d12_ind;
long	ol_i_id14;	short	ol_quantity5_ind;	short	ol_delivery_d13_ind;
long	ol_i_id15;	short	ol_quantity6_ind;	short	ol_delivery_d14_ind;
short	ol_i_id1_ind;	short	ol_quantity7_ind;	short	ol_delivery_d15_ind;
short	ol_i_id2_ind;	short	ol_quantity8_ind;	long	s_quantity1;
short	ol_i_id3_ind;	short	ol_quantity9_ind;	long	s_quantity2;
short	ol_i_id4_ind;	short	ol_quantity10_ind;	long	s_quantity3;
short	ol_i_id5_ind;	short	ol_quantity11_ind;	long	s_quantity4;
short	ol_i_id6_ind;	short	ol_quantity12_ind;	long	s_quantity5;
short	ol_i_id7_ind;	short	ol_quantity13_ind;	long	s_quantity6;
short	ol_i_id8_ind;	short	ol_quantity14_ind;	long	s_quantity7;
short	ol_i_id9_ind;	short	ol_quantity15_ind;	long	s_quantity8;
short	ol_i_id10_ind;	int	ol_amount1;	long	s_quantity9;
short	ol_i_id11_ind;	int	ol_amount2;	long	s_quantity10;
short	ol_i_id12_ind;	int	ol_amount3;	long	s_quantity11;
short	ol_i_id13_ind;	int	ol_amount4;	long	s_quantity12;
short	ol_i_id14_ind;	int	ol_amount5;	long	s_quantity13;
short	ol_i_id15_ind;	int	ol_amount6;	long	s_quantity14;
short	ol_supply_w_id1;	int	ol_amount7;	long	s_quantity15;
short	ol_supply_w_id2;	int	ol_amount8;	short	s_quantity1_ind;
short	ol_supply_w_id3;	int	ol_amount9;	short	s_quantity2_ind;
short	ol_supply_w_id4;	int	ol_amount10;	short	s_quantity3_ind;
short	ol_supply_w_id5;	int	ol_amount11;	short	s_quantity4_ind;
short	ol_supply_w_id6;	int	ol_amount12;	short	s_quantity5_ind;
short	ol_supply_w_id7;	int	ol_amount13;	short	s_quantity6_ind;
short	ol_supply_w_id8;	int	ol_amount14;	short	s_quantity7_ind;
short	ol_supply_w_id9;	int	ol_amount15;	short	s_quantity8_ind;
short	ol_supply_w_id10;	short	ol_amount1_ind;	short	s_quantity9_ind;
short	ol_supply_w_id11;	short	ol_amount2_ind;	short	s_quantity10_ind;
short	ol_supply_w_id12;	short	ol_amount3_ind;	short	s_quantity11_ind;
short	ol_supply_w_id13;	short	ol_amount4_ind;	short	s_quantity12_ind;
short	ol_supply_w_id14;	short	ol_amount5_ind;	short	s_quantity13_ind;
short	ol_supply_w_id15;	short	ol_amount6_ind;	short	s_quantity14_ind;
short	ol_supply_w_id1_ind;	short	ol_amount7_ind;	short	s_quantity15_ind;
short	ol_supply_w_id2_ind;	short	ol_amount8_ind;	char	s_dist1[25];
short	ol_supply_w_id3_ind;	short	ol_amount9_ind;	char	s_dist2[25];
short	ol_supply_w_id4_ind;	short	ol_amount10_ind;	char	s_dist3[25];
short	ol_supply_w_id5_ind;	short	ol_amount11_ind;	char	s_dist4[25];
short	ol_supply_w_id6_ind;	short	ol_amount12_ind;	char	s_dist5[25];
short	ol_supply_w_id7_ind;	short	ol_amount13_ind;	char	s_dist6[25];
short	ol_supply_w_id8_ind;	short	ol_amount14_ind;	char	s_dist7[25];
short	ol_supply_w_id9_ind;	short	ol_amount15_ind;	char	s_dist8[25];
short	ol_supply_w_id10_ind;	char	ol_delivery_d1[14];	char	s_dist9[25];
short	ol_supply_w_id11_ind;	char	ol_delivery_d2[14];	char	s_dist10[25];
short	ol_supply_w_id12_ind;	char	ol_delivery_d3[14];	char	s_dist11[25];
short	ol_supply_w_id13_ind;	char	ol_delivery_d4[14];	char	s_dist12[25];
short	ol_supply_w_id14_ind;	char	ol_delivery_d5[14];	char	s_dist13[25];
short	ol_supply_w_id15_ind;	char	ol_delivery_d6[14];	char	s_dist14[25];
short	ol_quantity1;	char	ol_delivery_d7[14];	char	s_dist15[25];
short	ol_quantity2;	char	ol_delivery_d8[14];	short	s_dist1_ind;
short	ol_quantity3;	char	ol_delivery_d9[14];	short	s_dist2_ind;
short	ol_quantity4;	char	ol_delivery_d10[14];	short	s_dist3_ind;
		char	ol_delivery_d11[14];	short	s_dist4_ind;
		char	ol_delivery_d12[14];	short	s_dist5_ind;

```

short    s_dist6_ind;
short    s_dist7_ind;
short    s_dist8_ind;
short    s_dist9_ind;
short    s_dist10_ind;
short    s_dist11_ind;
short    s_dist12_ind;
short    s_dist13_ind;
short    s_dist14_ind;
short    s_dist15_ind;
long     i_priceh1;
long     i_priceh2;
long     i_priceh3;
long     i_priceh4;
long     i_priceh5;
long     i_priceh6;
long     i_priceh7;
long     i_priceh8;
long     i_priceh9;
long     i_priceh10;
long     i_priceh11;
long     i_priceh12;
long     i_priceh13;
long     i_priceh14;
long     i_priceh15;
short    i_priceh1_ind;
short    i_priceh2_ind;
short    i_priceh3_ind;
short    i_priceh4_ind;
short    i_priceh5_ind;
short    i_priceh6_ind;
short    i_priceh7_ind;
short    i_priceh8_ind;
short    i_priceh9_ind;
short    i_priceh10_ind;
short    i_priceh11_ind;
short    i_priceh12_ind;
short    i_priceh13_ind;
short    i_priceh14_ind;
short    i_priceh15_ind;
char     i_nameh1[25];
char     i_nameh2[25];
char     i_nameh3[25];
char     i_nameh4[25];
char     i_nameh5[25];
char     i_nameh6[25];
char     i_nameh7[25];
char     i_nameh8[25];
char     i_nameh9[25];
char     i_nameh10[25];
char     i_nameh11[25];
char     i_nameh12[25];
char     i_nameh13[25];
char     i_nameh14[25];
char     i_nameh15[25];
short    i_nameh1_ind;
short    i_nameh2_ind;
short    i_nameh3_ind;
short    i_nameh4_ind;
short    i_nameh5_ind;
short    i_nameh6_ind;
short    i_nameh7_ind;
short    i_nameh8_ind;
short    i_nameh9_ind;
short    i_nameh10_ind;
short    i_nameh11_ind;
short    i_nameh12_ind;
short    i_nameh13_ind;

short    i_nameh14_ind;
short    i_nameh15_ind;
char     i_datah1[51];
char     i_datah2[51];
char     i_datah3[51];
char     i_datah4[51];
char     i_datah5[51];
char     i_datah6[51];
char     i_datah7[51];
char     i_datah8[51];
char     i_datah9[51];
char     i_datah10[51];
char     i_datah11[51];
char     i_datah12[51];
char     i_datah13[51];
char     i_datah14[51];
char     i_datah15[51];
short    i_datah1_ind;
short    i_datah2_ind;
short    i_datah3_ind;
short    i_datah4_ind;
short    i_datah5_ind;
short    i_datah6_ind;
short    i_datah7_ind;
short    i_datah8_ind;
short    i_datah9_ind;
short    i_datah10_ind;
short    i_datah11_ind;
short    i_datah12_ind;
short    i_datah13_ind;
short    i_datah14_ind;
short    i_datah15_ind;
int      result_o_id1;
int      result_o_id2;
int      result_o_id3;
int      result_o_id4;
int      result_o_id5;
int      result_o_id6;
int      result_o_id7;
int      result_o_id8;
int      result_o_id9;
int      result_o_id10;
int      result_o_id11;
int      result_o_id12;
int      result_o_id13;
int      result_o_id14;
int      result_o_id15;
short    result_o_id1_ind;
short    result_o_id2_ind;
short    result_o_id3_ind;
short    result_o_id4_ind;
short    result_o_id5_ind;
short    result_o_id6_ind;
short    result_o_id7_ind;
short    result_o_id8_ind;
short    result_o_id9_ind;
short    result_o_id10_ind;
short    result_o_id11_ind;
short    result_o_id12_ind;
short    result_o_id13_ind;
short    result_o_id14_ind;
short    result_o_id15_ind;
short    notfound;
short    notfound_ind;
short    item_notfound;
short    item_notfound_ind;
short    low_stock_ind;
EXEC SQL END DECLARE SECTION;

long     *ol_i_id_str[] = { (long *)&ol_i_id1 ,
                           (long *)&ol_i_id2 ,
                           (long *)&ol_i_id3 ,
                           (long *)&ol_i_id4 ,
                           (long *)&ol_i_id5 ,
                           (long *)&ol_i_id6 ,
                           (long *)&ol_i_id7 ,
                           (long *)&ol_i_id8 ,
                           (long *)&ol_i_id9 ,
                           (long *)&ol_i_id10 ,
                           (long *)&ol_i_id11 ,
                           (long *)&ol_i_id12 ,
                           (long *)&ol_i_id13 ,
                           (long *)&ol_i_id14 ,
                           (long *)&ol_i_id15 ,
                           NULL};
short    *ol_supply_w_id_str[] = { (short
*)&ol_supply_w_id1 ,
                                   (short *)&ol_supply_w_id2 ,
                                   (short *)&ol_supply_w_id3 ,
                                   (short *)&ol_supply_w_id4 ,
                                   (short *)&ol_supply_w_id5 ,
                                   (short *)&ol_supply_w_id6 ,
                                   (short *)&ol_supply_w_id7 ,
                                   (short *)&ol_supply_w_id8 ,
                                   (short *)&ol_supply_w_id9 ,
                                   (short *)&ol_supply_w_id10 ,
                                   (short *)&ol_supply_w_id11 ,
                                   (short *)&ol_supply_w_id12 ,
                                   (short *)&ol_supply_w_id13 ,
                                   (short *)&ol_supply_w_id14 ,
                                   (short *)&ol_supply_w_id15 ,
                                   NULL};
short    *ol_quantity_str[] = { (short *)&ol_quantity1 ,
                                 (short *)&ol_quantity2 ,
                                 (short *)&ol_quantity3 ,
                                 (short *)&ol_quantity4 ,
                                 (short *)&ol_quantity5 ,
                                 (short *)&ol_quantity6 ,
                                 (short *)&ol_quantity7 ,
                                 (short *)&ol_quantity8 ,
                                 (short *)&ol_quantity9 ,
                                 (short *)&ol_quantity10 ,
                                 (short *)&ol_quantity11 ,
                                 (short *)&ol_quantity12 ,
                                 (short *)&ol_quantity13 ,
                                 (short *)&ol_quantity14 ,
                                 (short *)&ol_quantity15 ,
                                 NULL};
int      *ol_amount_str[] = { (int *)&ol_amount1 ,
                              (int *)&ol_amount2 ,
                              (int *)&ol_amount3 ,
                              (int *)&ol_amount4 ,
                              (int *)&ol_amount5 ,
                              (int *)&ol_amount6 ,
                              (int *)&ol_amount7 ,
                              (int *)&ol_amount8 ,
                              (int *)&ol_amount9 ,
                              (int *)&ol_amount10 ,
                              (int *)&ol_amount11 ,
                              (int *)&ol_amount12 ,
                              (int *)&ol_amount13 ,
                              (int *)&ol_amount14 ,
                              (int *)&ol_amount15 ,
                              NULL};
char     *ol_delivery_d_str[] = { (char
*)&(ol_delivery_d1[0]),

```

```

(char *)&ol_delivery_d2 ,
(char *)&ol_delivery_d3 ,
(char *)&ol_delivery_d4 ,
(char *)&ol_delivery_d5 ,
(char *)&ol_delivery_d6 ,
(char *)&ol_delivery_d7 ,
(char *)&ol_delivery_d8 ,
(char *)&ol_delivery_d9 ,
(char *)&ol_delivery_d10 ,
(char *)&ol_delivery_d11 ,
(char *)&ol_delivery_d12 ,
(char *)&ol_delivery_d13 ,
(char *)&ol_delivery_d14 ,
(char *)&ol_delivery_d15 ,
NULL);
long *s_quantity_str[] = { (long *)&s_quantity1 ,
(long *)&s_quantity2 ,
(long *)&s_quantity3 ,
(long *)&s_quantity4 ,
(long *)&s_quantity5 ,
(long *)&s_quantity6 ,
(long *)&s_quantity7 ,
(long *)&s_quantity8 ,
(long *)&s_quantity9 ,
(long *)&s_quantity10 ,
(long *)&s_quantity11 ,
(long *)&s_quantity12 ,
(long *)&s_quantity13 ,
(long *)&s_quantity14 ,
(long *)&s_quantity15 ,
NULL};
char *s_dist_str[] = { (char *)&(s_dist1[0]) ,
(char *)&s_dist2 ,
(char *)&s_dist3 ,
(char *)&s_dist4 ,
(char *)&s_dist5 ,
(char *)&s_dist6 ,
(char *)&s_dist7 ,
(char *)&s_dist8 ,
(char *)&s_dist9 ,
(char *)&s_dist10 ,
(char *)&s_dist11 ,
(char *)&s_dist12 ,
(char *)&s_dist13 ,
(char *)&s_dist14 ,
(char *)&s_dist15 ,
NULL};
long *i_priceh_str[] = { (long *)&i_priceh1 ,
(long *)&i_priceh2 ,
(long *)&i_priceh3 ,
(long *)&i_priceh4 ,
(long *)&i_priceh5 ,
(long *)&i_priceh6 ,
(long *)&i_priceh7 ,
(long *)&i_priceh8 ,
(long *)&i_priceh9 ,
(long *)&i_priceh10 ,
(long *)&i_priceh11 ,
(long *)&i_priceh12 ,
(long *)&i_priceh13 ,
(long *)&i_priceh14 ,
(long *)&i_priceh15 ,
NULL};
char *i_nameh_str[] = { (char
*)&(i_nameh1[0]) ,
(char *)&i_nameh2 ,
(char *)&i_nameh3 ,
(char *)&i_nameh4 ,
(char *)&i_nameh5 ,
(char *)&i_nameh6 ,
(char *)&i_nameh7 ,
(char *)&i_nameh8 ,
(char *)&i_nameh9 ,
(char *)&i_nameh10 ,
(char *)&i_nameh11 ,
(char *)&i_nameh12 ,
(char *)&i_nameh13 ,
(char *)&i_nameh14 ,
(char *)&i_nameh15 ,
NULL};
char *i_datah_str[] = { (char *)&(i_datah1[0]) ,
(char *)&i_datah2 ,
(char *)&i_datah3 ,
(char *)&i_datah4 ,
(char *)&i_datah5 ,
(char *)&i_datah6 ,
(char *)&i_datah7 ,
(char *)&i_datah8 ,
(char *)&i_datah9 ,
(char *)&i_datah10 ,
(char *)&i_datah11 ,
(char *)&i_datah12 ,
(char *)&i_datah13 ,
(char *)&i_datah14 ,
(char *)&i_datah15 ,
NULL};
int *result_o_id_str[] = { (int *)&result_o_id1 ,
(int *)&result_o_id2 ,
(int *)&result_o_id3 ,
(int *)&result_o_id4 ,
(int *)&result_o_id5 ,
(int *)&result_o_id6 ,
(int *)&result_o_id7 ,
(int *)&result_o_id8 ,
(int *)&result_o_id9 ,
(int *)&result_o_id10 ,
(int *)&result_o_id11 ,
(int *)&result_o_id12 ,
(int *)&result_o_id13 ,
(int *)&result_o_id14 ,
(int *)&result_o_id15 ,
NULL};
/*-----*/
/* stored2.h : sql declare section for */
/* stored proceduer call */
/* 1996.10.01 s.sato */
/*-----*/
EXEC SQL BEGIN DECLARE SECTION ;
varchar s_join[1216] ; /* 1997.01.16
*/
short s_join_ind ;
varchar i_join[1216] ; /* 1997.01.16
*/
short i_join_ind ;
varchar ol_join[571] ;
short ol_join_ind ;
varchar ol_q_join[61] ;
short ol_q_join_ind ;
varchar ol_s_join[61] ;
short ol_s_join_ind ;
varchar ol_i_join[106] ;
short ol_i_join_ind ;
varchar result_join[101] ;
short result_join_ind ;
EXEC SQL END DECLARE SECTION ;
typedef struct
{
short sqllen ;
struct
{
/*char ol_i_id[7] ;
1997.01.13*/
char s_quantity[6] ;
char s_dist[24] ;
char s_data[50] ;
char sapstop[1] ;
} sqlvar[15] ;
} s_join_str ;
typedef struct
{
short sqllen ;
struct
{
/*char ol_i_id[7] ;
1997.01.14*/
char i_price[6] ;
char i_name[24] ;
char i_data[50] ;
char sapstop[1] ;
} sqlvar[15] ;
} i_join_str ;
typedef struct
{
short sqllen ;
struct
{
char ol_i_id[7] ;
char ol_amount[8] ;
char ol_supply_w_id[4] ;
char ol_quantity[4] ;
char ol_delivery_d[14] ;
char sapstop[1] ;
} sqlvar[15] ;
} ol_join_str ;
typedef struct /* 961003 s.sato
*/
{
short sqllen ;
struct
{
char ol_quantity[4] ;
} sqlvar[15] ;
} ol_q_join_str ;
typedef struct /* 961003 s.sato
*/
{
short sqllen ;
struct
{
char ol_supply_w_id[4] ;
} sqlvar[15] ;
} ol_s_join_str ;
typedef struct /* 961003 s.sato
*/
{
short sqllen ;
}

```

```

struct
{
    char ol_i_id[7] ;
} sqlvar[15] ;
} ol_i_join_str ;

typedef struct          /* 961003 s.sato
*/
{
    short    sqlen    ;
    struct
    {
        char result_o_id[9] ;          /* no_o_id
*/
        char sapstop[1] ;
    } sqlvar[10] ;
} result_join_str ;

File: TPCC.pc

#ifdef NO_SQL
#else
#define USE_SQL_MODE
#endif

/*****
*****/
/** TPCC.pc  COPYRIGHT FUJITSU LIMITED 1997
**/
/** :                **/
/** :                **/
/** :  SymfoWARE RDB TPC-C Benchmark
**/
/** :  Appendix B Server Source Code
**/
/** :  1996/09/06
**/
/** :  1997/02/24 (New-order,Order-status)
**/
/** :  1997/03/13 Revision3.3 : Any Error(Clause
2.3.6) **/
/** :  1998/03/02 NT K.Sugiyama & M.Suzuki
**/
/** :  1998/06.01 FML M.Suzuki
**/
/** :  1998/07/14 M.Suzuki
**/
/** :  1998/08/21 1000WH M.Suzuki
**/
/** :  1998/08/27 stocklevel commit
M.Suzuki **/
/** :  1998/11/19 T.Moriai
**/
/** :  1999/05/27 id K.Serizawa
**/
/*****
*****/

#include <windows.h>
#include <sys/types.h>
#include <time.h>
#include <sys/time.h>
#include <sys/times.h>

#include <stdio.h>
#include <sys/param.h>
#include <sys/ipc.h>
#include <sys/msg.h>
#include <math.h>
#include <stdlib.h>
#include <unistd.h>
#include <string.h>

#include "atmi.h"
#include "tmenv.h"
#include "bench2.h"
/* 98.03.02 nop */
#include <userlog.h>
/* 98.03.02 */

#ifdef USE_FML /* 98.05.21
*/
#include "fml.h"
#include "fldtbl.h"
#endif

#include "bench3.h" /*
INSERT 960905 */

/* 98.03.02 */
#define NT
/* (gettimeofday) (GetSystemTime)
(SYSTEMTIME)
include */

#ifdef NT
#include <WTYPES.H>
#endif
/* 98.03.02 */

/* 98.07.01 */
#include <stdio.h>
/* 98.07.01 */

extern void JMPINT2Q,JMPCINT3Q; /*
INSERT 960905 */
extern long OLINSETT(Ink_ol *a,short *b,char *c); /*
INSERT 960905 */

EXEC SQL INCLUDE bench1.h;
EXEC SQL INCLUDE stored.h; /*
stored 1996.9.25 sato */
#define INTNULL -32768

/* #define TRACE on */
#define DP userlog
#define RDB_NORMAL 0

/* 98.03.02 */
/* 98.07.07 */
#ifdef NT
#define TIMES GetSystemTime(&systemtime);\
tp.tv_sec = ((systemtime.wYear -
1970) *365*24*3600) \
+
((systemtime.wMonth - 1) *30*24*3600 \
+
((systemtime.wDay - 1) *24*3600 \
+
(systemtime.wHour * 3600 \

//
+
(systemtime.wMinute * 60 \
+
(systemtime.wSecond);\
//
tp.tv_usec =
systemtime.wMilliseconds * 1000;\
//
tv_st_usec=tp.tv_usec;
#define TIMES GetSystemTime(&systemtime);\
yDay = 0;\
switch(systemtime.wMonth -
1)\
case 11: yDay += 30;\
case 10: yDay += 31;\
case 9: yDay += 30;\
case 8: yDay += 31;\
case 7: yDay += 31;\
case 6: yDay += 30;\
case 5: yDay += 31;\
case 4: yDay += 30;\
case 3: yDay += 31;\
case 2: /* */
(((systemtime.wYear % 4
== 0) && (systemtime.wYear % 100 != 0)) ||
((systemtime.wYear % 4
== 0) && (systemtime.wYear % 400 == 0)))\
?yDay +=
29): (yDay += 28);\
case 1: yDay += 31;\
default: break;\
}\
/* */
tp.tv_sec =
systemtime.wSecond +
/* */
(systemtime.wMinute * 60) +
/* */
((systemtime.wHour) * 3600) +
/* */
((systemtime.wDay - 1) * 3600 * 24);
/* */
tp.tv_usec += (yDay * 3600 *
/* */
/* */
yDiff = systemtime.wYear -
1970; /* 1970 ( ) */
work_day = (yDiff / 4);\
tp.tv_sec += ((yDiff * 365) +
work_day) * 24 * 3600;\
tp.tv_usec =
systemtime.wMilliseconds;\
tv_st_usec=tp.tv_usec;
#else
#define TIMES Gettimeofday(&tp); tv_st_usec=tp.tv_usec;
tp.tv_usec=tp.tv_usec;
#endif

#ifdef NT
#define TIMEE(NUM) \
// GetSystemTime(&systemtime);\
// tp.tv_sec = ((systemtime.wYear - 1970)
*365*24*3600) \
//
+ ((systemtime.wMonth - 1)
*30*24*3600 \

```



```

//          + ((systemtime.wDay - 1)
*24*3600   \
//          + (systemtime.wHour * 3600
\
//          + (systemtime.wMinute * 60
\
//          + (systemtime.wSecond );\
GetSystemTime(&systemtime);\
yDay = 0;\
switch(systemtime.wMonth - 1){\
case 11:   yDay += 30;\
case 10:   yDay += 31;\
case 9:    yDay += 30;\
case 8:    yDay += 31;\
case 7:    yDay += 31;\
case 6:    yDay += 30;\
case 5:    yDay += 31;\
case 4:    yDay += 30;\
case 3:    yDay += 31;\
case 2:    /* */\
            (((systemtime.wYear % 4 == 0) &&
(systemtime.wYear % 100 != 0)) ||\
            ((systemtime.wYear % 4 == 0) &&
(systemtime.wYear % 400 == 0)))\
            ?(yDay += 29): (yDay += 28);\
            case 1:
            default:   break;\
            }\
            /* */\
            tp.tv_sec = systemtime.wSecond +
/* */\
            (systemtime.wMinute *
60) +
/* */\
            ((systemtime.wHour) *
3600) +
/* */\
            ((systemtime.wDay - 1) *
3600 * 24);\
            /* */\
            tp.tv_sec += (yDay * 3600 * 24);\
            /* */\
            yDiff = systemtime.wYear - 1970;
/* 1970 ( ) */\
            work_day = (yDiff / 4);\
            tp.tv_sec += ((yDiff * 365) + work_day) * 24
* 3600;\
            tp.tv_usec = systemtime.wMilliseconds;\
            time_sec=tp.tv_sec-tv_st_usec;\
            if(tp.tv_usec < tv_st_usec) \
            {   time_usec=1000-tv_st_usec+tp.tv_usec;
time_sec=time_sec-1; }\
            else \
            time_usec=tp.tv_usec-tv_st_usec; \
            time_usec=time_sec*1000+time_usec; \
            if(NUM!=999) \
            {   fprintf(time_fd,"SQL_NUM = %d
EACH_TIME= %d\n",NUM,time_usec); \
            all_time(NUM,time_sec,time_usec); \
            }\
            else \
            {   fprintf(time_fd,"ALL_NUM = %d
EACH_TIME= %d.%06d\n", \
NUM,
time_sec, time_usec ); \
            }
#else
#define TIMEE(NUM) \
Gettimeofday(&t); \
            time_sec=tp.tv_sec-tv_st_usec;\
            if(tp.tv_usec < tv_st_usec) \
            {   time_usec=1000-tv_st_usec+tp.tv_usec;
time_sec=time_sec-1; }\
            else \
            time_usec=tp.tv_usec-tv_st_usec; \
            time_usec=time_sec*1000+time_usec; \
            if(NUM!=999) \
            {   fprintf(time_fd,"SQL_NUM = %d
EACH_TIME= %d\n",NUM,time_usec); \
            all_time(NUM,time_sec,time_usec); \
            }\
            else \
            {   fprintf(time_fd,"ALL_NUM = %d
EACH_TIME= %d.%06d\n", \
NUM,
time_sec, time_usec ); \
            }
#endif
/* 98.03.02 */
/*#define SOLARIS */ /* 98.02.23 suzuki */
#ifdef UXP_DS /* 98.02.23 suzuki */
#define Gettimeofday(a) gettimeofday(a)
/* 98.03.02 */
#else defined NT
#define Gettimeofday(a)
GetSystemTime(&systemtime);\
/*
((systemtime.wYear - 1970) * 365 * 24 * 3600) \
+
((systemtime.wMonth - 1) * 30 * 24 * 3600) \
+
((systemtime.wDay - 1) * 24 * 3600) \
+
(systemtime.wHour * 3600) \
+
(systemtime.wMinute * 60) \
+
(systemtime.wSecond );\
/*
systemtime.wMilliseconds * 1000;
#define Gettimeofday(a)
GetSystemTime(&systemtime);\
            yDay = 0;\
            switch(systemtime.wMonth - 1){\
case 11:   yDay
+= 30;\
case 10:   yDay
+= 31;\
            yDay += 30;\
            yDay += 31;\
            yDay += 31;\
            yDay += 30;\
            yDay += 31;\
            yDay += 30;\
            yDay += 31;\
            case 2:\
            /* */\
            (((systemtime.wYear % 4 == 0) &&
(systemtime.wYear % 100 != 0)) ||\
            ((systemtime.wYear % 4 == 0) &&
(systemtime.wYear % 400 == 0)))\
            ?(yDay += 29): (yDay += 28);\
            case 1:
            default:   break;\
            }\
            /* */\
            systemtime.wSecond +
/* */\
            (systemtime.wMinute * 60) +
/* */\
            ((systemtime.wHour) * 3600) +
/* */\
            ((systemtime.wDay - 1) * 3600 * 24);
/* */\
            *a.tv_sec += (yDay
/* */\
            /* */\
            /* */\
            yDiff =
/* 1970
( ) */\
            work_day = (yDiff /
4);\
            *a.tv_sec += ((yDiff
* 365) + work_day) * 24 * 3600;\
            *a.tv_usec =
systemtime.wMilliseconds;
/* 98.03.02 */
#else
#define Gettimeofday(a) gettimeofday(a,0)
#endif
/* Function Prototype */
extern int scanstring();
/* add-96.8.23 */
time_t tttt;
time_t t_wk;
char tc_wk[26];
char tc_s[15]; /* 1997.01.27 */
#ifdef USE_SQL_MODE /* 98.02.23 suzuki */
EXEC SQL BEGIN DECLARE SECTION;
short errorpos_ind;
#endif
int tmp_s_i_id;
int tmp_w_id;
int tmp_d_id;
long namecount;
long ol_total;
long low_stock;

```

```

long threshold;
int tmp_o_id;
char SQLSTATE[6];

/* 98.06.08 */
int
t19,t18,t17,t16,t15,t14,t13,t12,t11,t10,t09,t08,t07,t06,t0
5,t04,t03,t02;
/* 98.06.08 */

#ifdef USE_SQL_MODE /* 98.02.23
suzuki */

EXEC SQL END DECLARE SECTION;

#else

#define OLINSERT OLINSERT_nop
#define J MPCINT2 J MPCINT2_nop
#define J MPCINT3 J MPCINT3_nop
OLINSERT_nop()
J MPCINT2_nop()
J MPCINT3_nop()

#ifdef NT
#define SQLWAIT_O Sleep( 1 );
#define SQLWAIT_N Sleep( 1 );
#define SQLWAIT_N_C Sleep( 1 );
#define SQLWAIT_N_R Sleep( 2 );
#define SQLWAIT_P Sleep( 1 );
#define SQLWAIT_D Sleep( 5 );
#define SQLWAIT_S Sleep( 2 );
#else
#define SLEEP_MIN 10
#define SQLWAIT_O usleep( 10 *
SLEEP_MIN);
#define SQLWAIT_N usleep( 100 *
SLEEP_MIN);
#define SQLWAIT_N_C usleep( 10 *
SLEEP_MIN);
#define SQLWAIT_N_R usleep( 200 *
SLEEP_MIN);
#define SQLWAIT_P usleep( 20 *
SLEEP_MIN);
#define SQLWAIT_D usleep( 500 *
SLEEP_MIN);
#define SQLWAIT_S usleep( 200 *
SLEEP_MIN);
#endif

#endif

neworder_trans *bpn;
payment_trans *bpp;
orderstat_trans *bpo;
delivery_trans *bpd;
stocklvl_trans *bps;

#ifdef USE_FML /* 98.05.21
*/
neworder_trans nbuf;
payment_trans pbuf;
orderstat_trans obuf;
delivery_trans dbuf;
stocklvl_trans sbuf;
#endif

/* 98.03.02 */

/* (gettimeofday) */
#ifdef NT
struct _SYSTEMTIME systemtime;
struct tp_tag{
long tv_sec ;
long tv_usec ;
};
struct tp_tag tp,tp_e;
#else
struct timeval tp,tp_e;
#endif
/* 98.03.02 */
long tv_st_sec,tv_st_usec;
long time_sec,time_usec;
/* long tv_en_sec,tv_en_usec; for delivery */
long result_o_id[10]; /* for delivery */
int number;
int douitu;

FILE *fd = 0;
FILE *t_fd = 0;
FILE *time_fd ;

FILE *delivery_handle = NULL;
FILE *fp;

/* 98.07.01 */
static FILE *tpsvrinit_fp = 0;
static ctr = 0;
/* 98.07.01 */

void s_ymdhms()
{
struct tm tim;

time(&t_wk) ;
tim = *( localtime( &t_wk ) );
sprintf( tc_s, "%04d%02d%02d%02d%02d%02d",
tim.tm_year + 1900, tim.tm_mon+1,
tim.tm_mday,
tim.tm_hour, tim.tm_min, tim.tm_sec );
/* tc_s[14] = NULL ; */
tc_s[14] = 0 ;
}

long c_ymdhms( char *time )
{
struct tm itm ;
long otm ;
int ymdhms ;
char ctm[3] ;

ctm[2] = '\0' ;

strncpy( ctm , &time[2] , 2 ) ;
ymdhms = atoi( ctm ) ;
itm.tm_year = ymdhms ;

strncpy( ctm , &time[4] , 2 ) ;
ymdhms = atoi( ctm ) ;
itm.tm_mon = ymdhms - 1 ;

strncpy( ctm , &time[6] , 2 ) ;
ymdhms = atoi( ctm ) ;
itm.tm_mday = ymdhms ;

strncpy( ctm , &time[8] , 2 ) ;
ymdhms = atoi( ctm ) ;
itm.tm_hour = ymdhms ;

strncpy( ctm , &time[10] , 2 ) ;
ymdhms = atoi( ctm ) ;
itm.tm_min = ymdhms ;

strncpy( ctm , &time[12] , 2 ) ;
ymdhms = atoi( ctm ) ;
itm.tm_sec = ymdhms ;

itm.tm_isdst = -1 ;

otm = mktime( &itm ) ;
return( otm ) ;
}

/******
/* TPCC */
/******
int TPCC(info,num)
TPSVCINFO *info;
int num;
{
int mix;
int k;
char logname[80]; /* for delivery 1997.02.27 */

FILE *fp;
int rtnsize;

/* 98.07.07 */
DWORD
work,yDay,yDiff,work_day;
/* 98.07.07 */

/* wait for message to come in */
#ifdef USE_FML /* 98.04.09
lch. */
mix = Fvall( ( FBFR * )info->data, FML_TRAN,
0 );
#else
mix = *( (int *)info->data);
#endif
#ifdef TRACE
DP("TPCC-call mix=%d\n",mix);
#endif

if( mix == 1 )
{
#ifdef USE_FML /* 98.04.07
lch. */
nbuf = *( ( neworder_trans * )Ffind( ( FBFR
*)info->data,
FML_DATA, 0, NULL ) );
bpn = &nbuf;
#else
bpn = (neworder_trans *)info->data;
#endif
rtnsize = sizeof(neworder_trans);
w_id = bpn->w_id ;
d_id = bpn->d_id ;
bpn->C_R = 0; /* Commit/Rollback flag */
tmp_d_id = bpn->d_id;
c_id = bpn->c_id;
o_ol_cnt = bpn->o_ol_cnt;
}
}

```

```

        bpn->C_R = NewOrder();
#ifdef USE_FML          /* 98.04.07
lch. */
        Fchg( ( FBFR * )info->data, FML_DATA, 0,
( char * )bpn,
        sizeof( neworder_trans ) );
#endif
    }
    else if( mix == 2 )
    {
#ifdef USE_FML          /* 98.04.07
lch. */
        pbuf = *( ( payment_trans * )Ffind( ( FBFR
* )info->data,
        FML_DATA, 0, NULL ) );
        bpp = &pbuf;
#else
        bpp = (payment_trans *)info->data;
#endif
        rtnsize = sizeof(payment_trans);
        w_id = bpp->w_id ;
        d_id = bpp->d_id ;

        c_d_id = bpp->c_d_id;
        c_w_id = bpp->c_w_id;

        strncpy(c_last," ",sizeof(c_last)); /*
960909 */
        strcpy(c_last,bpp->c_last);
        for(k=0 ; k<16; k++)
        {
            if (c_last[k] == 0x00)
                {
                    c_last[k] = 0x20;
                }
        }
        c_id = bpp->c_id;
        h_amount = bpp->h_amount;

        bpp->C_R = Payment();
#ifdef USE_FML          /* 98.04.07
lch. */
        Fchg( ( FBFR * )info->data, FML_DATA, 0,
( char * )bpp,
        sizeof( payment_trans ) );
#endif
    }
    else if( mix == 3 )
    {
#ifdef USE_FML          /* 98.04.07
lch. */
        obuf = *( ( orderstat_trans * )Ffind( ( FBFR
* )info->data,
        FML_DATA, 0, NULL ) );
        bpo = &obuf;
#else
        bpo = (orderstat_trans *)info->data;
#endif
        rtnsize = sizeof(orderstat_trans);
        w_id = bpo->w_id ;
        d_id = bpo->d_id ;
        c_id = bpo->c_id;
        bpo->C_R = 0; /* Clear the Commit/Rollback
flag */
        c_w_id = bpo->w_id; /* clients Warehouse ID
*/
        c_d_id = bpo->d_id;
        strncpy(c_last," ",sizeof(c_last)); /*
960909 */
        strcpy(c_last,bpo->c_last);
        for(k=0 ; k<16; k++)
        {
            if (c_last[k] == 0x00)
                {
                    c_last[k] = 0x20;
                }
        }
        if(OrderStatus())
        {
            bpo->C_R = 1;
        }
        else
        {
            bpo->C_R = 0;
        }
#ifdef USE_FML          /* 98.04.07
lch. */
        Fchg( ( FBFR * )info->data, FML_DATA, 0,
( char * )bpo,
        sizeof( orderstat_trans ) );
#endif
    }
    else if( mix == 4 )
    {
#ifdef USE_FML          /* 98.04.07
lch. */
        dbuf = *( ( delivery_trans * )Ffind( ( FBFR
* )info->data,
        FML_DATA, 0, NULL ) );
        bpd = &dbuf;
#else
        bpd = (delivery_trans *)info->data;
#endif
        w_id = bpd->w_id ;
        d_id = bpd->d_id ;
        bpd->C_R = 0; /* Clear the
Commit/Rollback flag */
        if ( delivery_handle == NULL )
        {
#ifdef USE_FML          /* 98.04.07
lch. */
            num = getpid(); /* (^; */
#else
            sprintf(logname,"tpcr/tpcc/delivery_log%d
",num);
            delivery_handle = fopen(logname,"w+");
            if ( delivery_handle == NULL )
            {
                delivery_handle = stderr;
            }
#ifdef TRACE
            DP("delivery_log1 cannot write\n");
#endif
            printf("delivery_log cannot write\n");
            fflush(stdout);
        }
        o_carrier_id = bpd->o_carrier_id;

        for(d_id = 0; d_id < 10; d_id++)
        {
            result_o_id[d_id] = 0;
        }

        /****** Transaction *****/
        bpd->C_R = Delivery();
        Gettimeofday(&tp_e);
#ifdef TRACE
        DP("A-deli_handle = %x C_R=%d
\n",delivery_handle,bpd->C_R);
#endif
#endif
    }
}
if(bpd->C_R)
{
#ifdef NT
/* NT msec 1000 */
fprintf(delivery_handle,"%09d%03d %09d%03
d %d %d",
        bpd->startsec,
        bpd->startusec,
        tp_e.tv_sec,
        tp_e.tv_usec,
        w_id,
        o_carrier_id);
#else
fprintf(delivery_handle,"%09d%03d %09d%03
d %d %d",
        bpd->startsec,
        bpd->startusec/1000,
        tp_e.tv_sec,
        tp_e.tv_usec/1000,
        w_id,
        o_carrier_id);
#endif
        for(d_id = 0; d_id < 10; d_id++)
        {
            fprintf(delivery_handle," %d %d",d_id+1,re
sult_o_id[d_id]);
        }
        fprintf(delivery_handle,"\n");
    }
    else
    {
#ifdef NT
/* NT msec 1000 */
fprintf(delivery_handle,"%09d%03d %09d%03
d %d %d",
        bpd->startsec,
        bpd->startusec,
        0,
        0,
        w_id,
        o_carrier_id);
#else
fprintf(delivery_handle,"%09d%03d %09d%03
d %d %d",
        bpd->startsec,
        bpd->startusec/1000,
        0,
        0,
        w_id,
        o_carrier_id);
#endif
        fprintf(delivery_handle," errpos:%04d
SQLSTATE:%05d\n",
        bpd->errorpos,bpd-
>sqlstate);
    }
#ifdef TRACE
    DP("Out-deli_handle = %x C_R=%d
\n",delivery_handle,bpd->C_R);
#endif
#ifdef TRACE
    DP("tpreturn-called MIX =%d TPNOREPLY \n",mix);
#endif
}
}

```

```

/*treturn(TPSUCCESS,0,(char
*)bpd,sizeof(delivery_trans),0)TPNOREPLY;*/
#ifdef USE_FML /* 98.04.07
lch. */
    treturn( TPSUCCESS, 0, (char *)NULL, 0, 0);
#else
    treturn(TPSUCCESS,0,(char
*)bpd,sizeof(delivery_trans),0
);
#endif
}
else if( mix == 5 )
{
#ifdef USE_FML /* 98.04.07
lch. */
    sbuf = *(( stocklvl_trans *)Ffind( ( FBFR
*)info->data,
FML_DATA, 0, NULL ) );
    bps = &sbuf;
#else
    bps = (stocklvl_trans *)info->data;
#endif
    rtsize = sizeof(stocklvl_trans);
    w_id = bps->w_id ;
    d_id = bps->d_id ;
    threshold = bps->threshold;

    if(StockLevel0)
    {
        bps->C_R = 1;
        bps->low_stock = low_stock;
    }
    else
    {
        bps->C_R = 0;
    }
}
#ifdef USE_FML /* 98.04.07
lch. */
    Fchg( ( FBFR *)info->data, FML_DATA, 0, ( char
*)bps,
sizeof( stocklvl_trans ) );
#endif
}

if( mix != 4 )
{
#ifdef TRACE
    DP("treturn-called mix=%d \n",mix);
#endif
#ifdef USE_FML /* 98.04.07
lch. */
    treturn( TPSUCCESS, 0, info->data, 0L, 0 );
#else
    treturn(TPSUCCESS,0,info->data,rtsize,0);
#endif
}
}

/*****
/* tpsvrdone */
/*****
void tpsvrdone()
{
#ifdef TRACE
    DP("tpsvrdone called pid=%d\n",getpid());
#endif
    JMPCINT30 ;
    fflush(delivery_handle);

    fclose(delivery_handle);
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
    EXEC SQL COMMIT WORK ;
#endif
/* */
    EXEC SQL DISCONNECT CURRENT ;
    DP("DISCONNECT(SQLSTATE) = %s\n",
SQLSTATE );
    return;
}

/*****
/* Error */
/*****
int Error()
{
    char msg[1024];
    long errno;
    FILE *handle;
    SQLSTATE[5] = 0 ;
    if (0 != strcmp(SQLSTATE,"00000" ) )
    {
        if (0 == strcmp(SQLSTATE,"40001")) /*
        {
            return(1);
        }
        /* 98.03.02 */
        /* "tpccerr"
        */
#ifdef NT
        system("date /T>>tpccerr");
#else
        system("date >>/tmp/tpccerr");
#endif
}
#ifdef NT
    handle = fopen("tpccerr","ab");
#else
    handle = fopen("/tmp/tpccerr","ab");
#endif
}
/* 98.03.02 */
if ( handle == NULL )
{
    handle = stderr;
}
fprintf(handle," SQL
ERROR:SQLSTATE= %s\n",SQLSTATE);
fflush(handle);
}
return(0);
}

/*****
/* tpsvrit */
/*****
tpsvrit(argc,argv)
int argc;
char **argv;
{
    int i = 0;
    char *fname;

#ifdef suzuki
/* 98.07.01 */
if(tpsvrit_fp == 0){
    sprintf(fname,"tpsvrit_test%d.txt",getpid());
    tpsvrit_fp = fopen(fname,"w");
}
fprintf(tpsvrit_fp,"tpsvrit start\n");
fflush(tpsvrit_fp);
/* 98.07.01 */
}
}

    DP("tpsvrit start called pid=%d\n",getpid());

#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
    EXEC SQL WHENEVER SQLERROR
CONTINUE;
#endif
/* */
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
    EXEC SQL CONNECT TO 'SV1';
/*DEFAULT;*/
#endif
    DP("CONNECT(SQLSTATE) = %s\n",
SQLSTATE );

#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
    EXEC SQL COMMIT WORK ;
#endif
    JMPCINT20;

    if(! preNewOrder() ) ++;
    if(! prePayment() ) ++;
    if(! preOrderStatus() ) ++;
    if(! preDelivery() ) ++;
    if(! preStockLevel() ) ++;

    if(i)
    {
        printf("%d errors in SQL
prepares.quitting.\n",i);
        fflush(stdout);
        exit(1);
    }

    DP("tpsvrit end called pid=%d\n",getpid());

#ifdef suzuki
/* 98.07.01 */
if(tpsvrit_fp == 0){
    tpsvrit_fp = fopen("tpsvrit_test.txt","w");
}
fprintf(tpsvrit_fp,"tpsvrit end\n");
fflush(tpsvrit_fp);
/* 98.07.01 */
}
}

int scanstring(target,search,length)
char *target,*search;

```

```

int length;
{
    int search_length,iter;
    if((search_length = strlen(search)) > length)
    {
        return(-1);
    }
    for (iter= length -search_length;iter;--iter,++target)
    {
        if(strncmp(target,search,search_length) == 0)
        {
            return(1);
        }
    }
    return(0);
}

/******
/* preNewOrder */
/******
preNewOrder()
{
    return(1);
}

/******
/* NewOrder */
/******
NewOrder()
{
    long i_price[15];
    char i_name[15][25];
    char i_data[15][51];
    char s_datax[15][51];
    Ink_of Ink_buf[15]; /* INSERT
*/
    int j ;
    int i ;
    long total_amount = 0;
    int pos = 0;
    int in_ol_i_id ;
    int in_ol_number ;
    s_join_str *sjp ;
    i_join_str *ijp ;
    ol_i_join_str *olijp ;
    ol_s_join_str *olsjp ;
    ol_q_join_str *olqjp ;
    int item_notfound_cnt ;
    FILE *fp;
    FILE *handle;
    int retry_flag = 0 ;

short *ol_i_id_ind_str[] = { (short *)&ol_i_id1_ind ,
    (short *)&ol_i_id2_ind ,
    (short *)&ol_i_id3_ind ,
    (short *)&ol_i_id4_ind ,
    (short *)&ol_i_id5_ind ,
    (short *)&ol_i_id6_ind ,
    (short *)&ol_i_id7_ind ,
    (short *)&ol_i_id8_ind ,
    (short *)&ol_i_id9_ind ,
    (short *)&ol_i_id10_ind ,
    (short *)&ol_i_id11_ind ,
    (short *)&ol_i_id12_ind ,
    (short *)&ol_i_id13_ind ,
    (short *)&ol_i_id14_ind ,
    (short *)&ol_i_id15_ind ,
    NULL};

```

```

struct {
    int num ;
    long ol_i_id ;
} sort_id[15] ;

struct {
    int num ;
    long ol_i_id ;
} r_id[15] ;
int sort_num ;
long sort_ol_i_id ;
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL BEGIN DECLARE SECTION;
#endif
short h_cnt ;
short r_cnt ;
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL END DECLARE SECTION;
#endif

begin_tran:
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL WHENEVER SQLERROR
GOTO :sqlerr ;
EXEC SQL WHENEVER NOT FOUND
GOTO :not_found ;
#endif

errorpos = 0 ;
item_notfound = -1 ;
s_join.sqllen = 0 ;
i_join.sqllen = 0 ;
sjp = (s_join_str *)&s_join ;
ijp = (i_join_str *)&i_join ;
olijp = (ol_i_join_str *)&ol_i_join ;
olsjp = (ol_s_join_str *)&ol_s_join ;
olqjp = (ol_q_join_str *)&ol_q_join ;

h_cnt = 0 ;
r_cnt = 0 ;
for (ol_number = 0; ol_number <
o_ol_cnt ; ++ol_number)
{
    if ( w_id == bpn->ol_supply_w_id[ol_number] )
    {
        for ( i=0 ; i < h_cnt ; i++ )
        {
            if ( sort_id[i].ol_i_id == bpn-
>ol_i_id[ol_number] )
            {
                break ;
            }
        }
        if ( i == h_cnt )
        {
            sort_id[h_cnt].num =
ol_number ;
            sort_id[h_cnt].ol_i_id = bpn-
>ol_i_id[ol_number] ;
            h_cnt = h_cnt + 1 ;
        }
        else
        {
            r_id[r_cnt].num =
ol_number ;

```

```

r_id[r_cnt].ol_i_id = bpn-
>ol_i_id[ol_number] ;
            r_cnt = r_cnt + 1 ;
        }
    }
    else
    {
        r_id[r_cnt].num =
ol_number ;
        r_id[r_cnt].ol_i_id = bpn-
>ol_i_id[ol_number] ;
        r_cnt = r_cnt + 1 ;
    }
}

retry_neworder:
if ( ( h_cnt < 5 ) || ( retry_flag == 1 ) )
{ /*
h_cnt = 0 ;
r_cnt = 0 ;
for (ol_number = 0; ol_number <
o_ol_cnt ; ++ol_number)
{
    r_id[r_cnt].num =
ol_number ;
    r_id[r_cnt].ol_i_id = bpn-
>ol_i_id[ol_number] ;
    r_cnt = r_cnt + 1 ;
}

for ( i=0 ; i < r_cnt ; i++ )
{
    sort_id[h_cnt+i].num =
r_id[i].num ;
    sort_id[h_cnt+i].ol_i_id =
r_id[i].ol_i_id ;
}

for (ol_number = 0; ol_number <
h_cnt ; ++ol_number)
{
    for (in_ol_number = ol_number + 1 ;
in_ol_number <
h_cnt ; ++in_ol_number)
    {
        if (sort_id[in_ol_number].ol_i_id >
sort_id[ol_number].ol_i_id)
        {
            sort_num =
sort_id[ol_number].num ;
            sort_ol_i_id =
sort_id[ol_number].ol_i_id ;
            sort_id[ol_number].num =
sort_id[in_ol_number].num ;
            sort_id[in_ol_number].ol_i_id =
sort_ol_i_id ;
        }
    }

for (i=0,ol_number = 0; ol_number <
15 ; ++ol_number)
{

```

```

if (ol_number < h_cnt)
{
*((short *) (ol_i_id_ind_str[ol_number])) =
0 ;
*((long *) (ol_i_id_str[ol_number]))
= bpn-
>ol_i_id[sort_id[ol_number].num] ;

sprintf(olqjp-
>sqlvar[ol_number].ol_quantity,"%-4d",
bpn-
>ol_quantity[sort_id[ol_number].num] ) ;
}
else
{
*((short *) (ol_i_id_ind_str[ol_number])) = -
1 ;
*((long *) (ol_i_id_str[ol_number])) =
0 ;

if ( ol_number < o_ol_cnt )
{
sprintf(olqjp-
>sqlvar[ol_number].ol_quantity,"%-4d",
bpn-
>ol_quantity[sort_id[ol_number].num] ) ;

sprintf(olijp->sqlvar[i].ol_i_id,"%-7d",
bpn-
>ol_i_id[sort_id[ol_number].num] ) ;
sprintf(olsjp->sqlvar[i].ol_supply_w_id,"%-
4d",
bpn-
>ol_supply_w_id[sort_id[ol_number].num] ) ;
i++ ;
}
}
ol_q_join.sqllen = o_ol_cnt * 4 ;
ol_i_join.sqllen = r_cnt * 7 ;
ol_s_join.sqllen = r_cnt * 4 ;

s_ymdhms() ;
strncpy(o_entry_d, tc_s,14) ;
bpn->o_entry_d = t_wk ;

neworder_proc:
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL
CALL
TPCC_SCHEMA.Y_NORDERS(:state
:errorpos
INDICATOR :errorpos_ind
:w_id
:tmp_d_id
:c_id
:o_all_local
INDICATOR :o_all_local_ind
:w_tax
INDICATOR :w_tax_ind
:d_tax
INDICATOR :d_tax_ind
:o_id
INDICATOR :o_id_ind
:o_entry_d
:c_discount
INDICATOR :c_discount_ind

```

```

:c_last
INDICATOR :c_last_ind
:c_credit
INDICATOR :c_credit_ind
:item_notfound
INDICATOR :item_notfound_ind
:h_cnt
:r_cnt
:ol_i_id1
:ol_i_id2
:ol_i_id3
:ol_i_id4
:ol_i_id5
:ol_i_id6
INDICATOR :ol_i_id6_ind
:ol_i_id7
INDICATOR :ol_i_id7_ind
:ol_i_id8
INDICATOR :ol_i_id8_ind
:ol_i_id9
INDICATOR :ol_i_id9_ind
:ol_i_id10
INDICATOR :ol_i_id10_ind
:ol_i_id11
INDICATOR :ol_i_id11_ind
:ol_i_id12
INDICATOR :ol_i_id12_ind
:ol_i_id13
INDICATOR :ol_i_id13_ind
:ol_i_id14
INDICATOR :ol_i_id14_ind
:ol_i_id15
INDICATOR :ol_i_id15_ind
:ol_i_join
:ol_q_join
:s_join
:i_join
:ol_s_join
);
#else
SQLWAIT_N;
strcpy(state,"00000");
// o_id = rand(0%99999999+1; /* 98.03.24
lch.*/
o_id = 3001; /* 98.10.14
Moriai */
bpn->w_tax = rand(0%2001;
bpn->d_tax = rand(0%2001;
strcpy( bpn->c_last, "BAROUGHTABLE" );
strcpy( bpn->c_credit, "GC" );
bpn->c_discount = rand(0%101;
#endif

if ( memcmp(state,"00000",5) != 0 )
{
strcpy(SQLSTATE,state,5);
SQLSTATE[5] = 0 ;
if ( memcmp(state,"02000",5) == 0 )
{
goto not_found;
}
else
{
goto sqlerr;
}
}

```

```

if ( item_notfound == -2 )
{ /* */
retry_flag = 1 ;
goto retry_neworder ;
}

#ifdef DP_IJ
DP("IJ: item_notfound=%d \n",
item_notfound);
#endif
bpn->o_id = o_id ;

for ( ol_number = 0;ol_number <
o_ol_cnt;++ol_number )
{
ol_i_id = bpn->ol_i_id[ol_number] ;
/* 99.05.27
*/
for ( in_ol_number = 0;in_ol_number <
o_ol_cnt;++in_ol_number )
{
if ( ol_number == sort_id[in_ol_number].num )
{
i_price[ol_number]
= atoi(ijp-
>sqlvar[in_ol_number].i_price) ;
if ( i_price[ol_number] == 0 )
{
/* */
bpn->i_price[ol_number] = 0 ;
bpn->s_quantity[ol_number] =
0 ;
ol_dist_info[0] = '\0' ;
bpn->i_name[ol_number][0] = '\0' ;
break ;
}
else
{
bpn->i_price[ol_number] =
i_price[ol_number] ;

strcpy(bpn->i_name[ol_number],
ijp-
>sqlvar[in_ol_number].i_name,24) ;
bpn->i_name[ol_number][24] =
'\0' ;

strcpy(i_data[ol_number],
ijp-
>sqlvar[in_ol_number].i_data,50) ;
i_data[ol_number][50] =
'\0' ;

bpn->s_quantity[ol_number]
= atoi(sjp-
>sqlvar[in_ol_number].s_quantity) ;
strcpy(ol_dist_info,
sjp-
>sqlvar[in_ol_number].s_dist,24) ;
ol_dist_info[24] =
'\0' ;

strcpy(s_datax[ol_number],
sjp-
>sqlvar[in_ol_number].s_data,50) ;
s_datax[ol_number][50] =
'\0' ;
/*sort_id[in_ol_number].ol_i_id = 0 ;
1997.02.24 */
break ;

```

```

}
#endif DP_IJ
DP("IJ: ol_num=%d,", ol_number);
DP(" price=%d,", i_price[ol_number]);
DP(" name =%s \n", &(bpn-
>i_name[ol_number][0] );
#endif
}
/* 99.05.27 */

ol_amount = bpn-
>ol_quantity[ol_number]
        * i_price[ol_number] ;
        bpn->ol_amount[ol_number] =
ol_amount ;
total_amount += ol_amount ;
if ( scanstring(i_data[ol_number],"ORIGINAL",50)
  &&
scanstring(s_datax[ol_number],"ORIGINAL",50) )
{
  bpn->brand_generic[ol_number] = 'B';
}
else
{
  bpn->brand_generic[ol_number] = 'G';
}

/**** INSERT ****/
lnk_buf[ol_number].ol_o_id =
ol_id ;
lnk_buf[ol_number].ol_d_id =
tmp_d_id ;
lnk_buf[ol_number].ol_w_id =
w_id ;
lnk_buf[ol_number].ol_number = ol_number +
1 ;
lnk_buf[ol_number].ol_i_id =
ol_i_id ;
lnk_buf[ol_number].ol_supply_w_id
= bpn-
>ol_supply_w_id[ol_number] ;
lnk_buf[ol_number].ol_quantity
= bpn-
>ol_quantity[ol_number] ;
lnk_buf[ol_number].ol_amount =
ol_amount ;
strcpy(lnk_buf[ol_number].ol_dist_info,ol_dist_i
nfo,25) ;
}

#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
/*---- ORDERLINE INSERT ----*/
errorpos = 108 ;
j =
OLINSERT(&lnk_buf[0],&o_ol_cnt,&SQLSTATE);
if ( j != 0 )
{
  DP(" NewOrder ERRPOS=%d
SQLSTATE=%s\n",errorpos, SQLSTATE );
  goto sqlerr;
}

if ( item_notfound == -1)
{
  EXEC SQL COMMIT WORK ;
}

strcpy(bpn->c_last,c_last,17) ;
strcpy(bpn->c_credit,c_credit,3) ;
bpn->d_tax = d_tax ;
bpn->w_tax = w_tax ;
bpn->c_discount = c_discount ;
total_amount * = ( 1 + (w_tax + d_tax)/10000.0)
        * ( 1 - (c_discount /10000.0));
bpn->total_amount = total_amount ;
bpn->errorpos = 0 ;
bpn->sqlstate = 0 ;
return(1) ;
}
else
/* 99.05.27 c_last,c_credit */
strcpy(bpn->c_last,c_last,17) ;
strcpy(bpn->c_credit,c_credit,3) ;
/* 99.05.27 */
bpn->errorpos = 201 ;
bpn->sqlstate = 02000 ;

EXEC SQL ROLLBACK
WORK ;
return(2) ;
}
#else
SQLWAIT_N_C;
SQLWAIT_N_R;

bpn->total_amount = 0; /* 98.03.24
lch. */
for ( i = 0; i < 15; ++i )
{
  if ( bpn->ol_supply_w_id[i] == 0 ) {
    break;
  }
  strcpy( bpn->i_name[i],
"NESNESNESNESNESNESNAME" );
bpn->s_quantity[i] = ( rand()%10 ) + 1;
bpn->brand_generic[i] = 'G';
bpn->i_price[i] = ( rand()%9901 )+100;
bpn->ol_amount[i] = bpn->i_price[i]*bpn-
>ol_quantity[i];
bpn->total_amount += bpn->ol_amount[i];
}
bpn->o_ol_cnt = i;
/* bpn->total_amount * = ( 1.0 + ( bpn->w_tax +
bpn->d_tax )/10000.0)
        * ( 1.0 - ( bpn-
>c_discount/10000.0 ) ); */
return(1) ;
}
#endif

not_found:
DP("NOT FOUND IN NewOrder AT %d\n",errorpos);
fflush(stdout);
bpn->errorpos = errorpos ;
bpn->sqlstate = atoi(SQLSTATE) ;
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL ROLLBACK WORK;
#else
SQLWAIT_N_R;
#endif
return(0);
sqlerr:
#endif DP_SQLERR
DP("Neworder ERRPOS=%d
SQLSTATE=%s\n",errorpos,SQLSTATE);
#endif
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL WHENEVER SQLERROR CONTINUE ;
#endif
if(Error())
{
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL ROLLBACK WORK;
#else
SQLWAIT_N_R;
#endif
goto begin_tran;
}
bpn->errorpos = errorpos ;
bpn->sqlstate = atoi(SQLSTATE) ;
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL ROLLBACK WORK;
#else
SQLWAIT_N_R;
#endif
return(0);
}
}
/*****/
/* prePayment */
/*****/
prePayment()
{
  return(1);
}

/*****/
/* Payment */
/*****/
Payment()
{
begin_tran:
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL WHENEVER SQLERROR
GOTO :sqlerr ;
EXEC SQL WHENEVER NOT FOUND
GOTO :not_found ;
#endif
s_ymdhms() ;
strcpy(h_date,tc_s,14) ;

c_datax.sqllen = 0; /*99.05.11 c_data */
c_datax.sqlvar[0] = 0; /*99.05.11 c_data */
c_datax.sqlvar[500] = 0; /*99.05.11 c_data */

errorpos = 0 ;
#ifdef USE_SQL_MODE /* 98.02.23
suzuki */
EXEC SQL
CALL
TPCC_SCHEMA.Y_PAYMENT_H10_OUT4(:state
,
:errorpos
INDICATOR :errorpos_ind

```

```

:w_id ,
:d_id ,
:c_id ,
:c_d_id ,
:c_w_id ,
:h_amount ,
:h_date ,
:w_name ,
:w_street_1 ,
INDICATOR :w_street_1_ind ,
:w_street_2 ,
INDICATOR :w_street_2_ind ,
:w_city ,
INDICATOR :w_city_ind ,
:w_state ,
INDICATOR :w_state_ind ,
:w_zip ,
INDICATOR :w_zip_ind ,
:d_name ,
:d_street_1 ,
INDICATOR :d_street_1_ind ,
:d_street_2 ,
INDICATOR :d_street_2_ind ,
:d_city ,
INDICATOR :d_city_ind ,
:d_state ,
INDICATOR :d_state_ind ,
:d_zip ,
INDICATOR :d_zip_ind ,
:c_first ,
INDICATOR :c_first_ind ,
:c_middle ,
INDICATOR :c_middle_ind ,
:c_last ,
:c_street_1 ,
INDICATOR :c_street_1_ind ,
:c_street_2 ,
INDICATOR :c_street_2_ind ,
:c_city ,
INDICATOR :c_city_ind ,
:c_state ,
INDICATOR :c_state_ind ,
:c_zip ,
INDICATOR :c_zip_ind ,
:c_phone ,
INDICATOR :c_phone_ind ,
:c_credit ,
:c_credit_lim ,
INDICATOR :c_credit_lim_ind ,
:c_discount ,
INDICATOR :c_discount_ind ,
:c_balance ,
INDICATOR :c_balance_ind ,
:c_ytd_payment ,
INDICATOR :c_ytd_payment_ind ,
:c_payment_cnt ,
INDICATOR :c_payment_cnt_ind ,
:c_since ,
INDICATOR :c_since_ind ,
:c_datax INDICATOR :c_data_ind
);
#else
SQLWAIT_P;
strcpy(state,"00000");

c_discount = rand()%5001; /* 98.03.24
lch. */
strcpy( c_first, "ABCDEFGHJKLM" );

strcpy( c_middle, "OE" );
strcpy( c_last, "BAROUGHTABLE" );
strcpy( c_phone, "0123456789012345" );
c_id = rand()%3000 + 1;

strcpy( c_street_1, "PQRSTUVWXYZABCD" );
strcpy( c_street_2, "EFGHIJKLmnopqr" );
strcpy( c_city, "STUVWXYZABCDEFG" );
strcpy( c_state, "RE" );
sprintf( c_zip, "%04d1111", rand()%10000 );

strcpy( d_street_1, "PQRSTUVWXYZABCD" );
strcpy( d_street_2, "EFGHIJKLmnopqr" );
strcpy( d_city, "STUVWXYZABCDEFG" );
strcpy( d_state, "RE" );
sprintf( d_zip, "%04d1111", rand()%10000 );

strcpy( w_street_1, "PQRSTUVWXYZABCD" );
strcpy( w_street_2, "EFGHIJKLmnopqr" );
strcpy( w_city, "STUVWXYZABCDEFG" );
strcpy( w_state, "RE" );
sprintf( w_zip, "%04d1111", rand()%10000 );

c_balance = ( ( rand()*rand()%19999999 ) -
9999999 ) / 100.0;
c_credit_lim = 5000000;

strcpy( c_since, "19980212121212" );
strcpy( c_credit, "GC" );
#endif

if ( memcmp(state,"00000",5) != 0 )
{
strcpy(SQLSTATE,state,5);
SQLSTATE[5] = 0 ;
if ( memcmp(state,"02000",5) == 0 )
{
goto not_found;
}
else
{
goto sqlerr;
}
}

bpp->c_discount = c_discount ;
bpp->h_date = t_wk ;
strcpy(bpp->c_first,c_first) ;
strcpy(bpp->c_middle,c_middle) ;
strcpy(bpp->c_last,c_last) ;
strcpy(bpp->c_phone,c_phone) ;
bpp->c_id= c_id ;
strcpy(bpp->c_street_1,c_street_1) ;
strcpy(bpp->c_street_2,c_street_2) ;
strcpy(bpp->c_city,c_city) ;
strcpy(bpp->c_state,c_state) ;
strcpy(bpp->c_zip,c_zip) ;

strcpy(bpp->d_street_1,d_street_1) ;
strcpy(bpp->d_street_2,d_street_2) ;
strcpy(bpp->d_city,d_city) ;
strcpy(bpp->d_state,d_state) ;
strcpy(bpp->d_zip,d_zip) ;

strcpy(bpp->w_street_1,w_street_1) ;
strcpy(bpp->w_street_2,w_street_2) ;
strcpy(bpp->w_city,w_city) ;
strcpy(bpp->w_state,w_state) ;

strcpy(bpp->w_zip,w_zip) ;

// bpp->c_balance = c_balance ; 98.11.19 DB
bpp->c_balance = c_balance / 100.0 ;
// bpp->c_credit_lim = c_credit_lim ; 98.11.19 DB
bpp->c_credit_lim = c_credit_lim / 100.0 ;

bpp->c_since = c_ymdhms(c_since) ;
strcpy(bpp->c_credit,c_credit) ;

#ifdef USE_SQL_MODE /*
98.03.24 lch. */
if ( strcmp(c_credit,"BC") == 0 )
{
strcpy(bpp-
>c_data,c_datax.sqlvar,c_datax.sqllen);
}
else
{
bpp->c_data[0] = 0 ;
}
#else /* 98.03.24 lch. */
if ( rand()%10 == 1 ) {
#define _STR50
"0123456789abcdefghijklmnopqrstuvwxyz!#$%&'()*
--[]:~"
strcpy( bpp->c_credit, "BC" );
strcpy( bpp->c_data,
_STR50_STR50_STR50_STR50_STR50
_STR50_STR50_STR50 );
} else {
bpp->c_data[0] = '\0';
}
#endif

bpp->errorpos = 0 ;
bpp->sqlstate = 0 ;
/*EXEC SQL COMMIT WORK;*/
return(1);

not_found:
DP("NOT FOUND IN Payment
AT %d\n",errorpos);
fflush(stdout);
bpp->errorpos = errorpos ;
bpp->sqlstate = atoi(SQLSTATE) ;
/*EXEC SQL ROLLBACK WORK;*/
return(0);

sqlerr:
#ifdef DP_SQLERR
DP("Payment ERRPOS=%d
SQLSTATE=%s\n",errorpos,SQLSTATE);
#endif
if(Error0)
{
/*EXEC SQL ROLLBACK WORK;*/
goto begin_tran;
}
bpp->errorpos = errorpos ;
bpp->sqlstate = atoi(SQLSTATE) ;
/*EXEC SQL ROLLBACK WORK;*/
return(0);
}

/*****
/* preOrderStatus */

```



```

/*****
preOrderStatus()
{
    return(1);
}

/*****
/* OrderStatus */
/*****
OrderStatus()
{
    ol_join_str *oljp          ;

    /* 980821 add suzuki */
    int i;
    char ol_supply_w_id_5[5] = {0,0,0,0,0};
    /* 980821 suzuki */

begin_tran:
#ifdef USE_SQL_MODE          /* 98.02.23
suzuki */
    EXEC SQL WHENEVER SQLERROR
GOTO :sqlerr ;
    EXEC SQL WHENEVER NOT FOUND
GOTO :not_found ;
#endif

    ol_join.sqlen = 0          ;
    oljp          = (ol_join_str *)&ol_join ;
    errorpos = 0              ;
    /*printf("Order-status\n");*/

#ifdef USE_SQL_MODE          /* 98.02.23
suzuki */
    EXEC SQL
    CALL
TPCC_SCHEMA.Y_ORDERSTAT(:state
    :errorpos
INDICATOR :errorpos_ind ,
    :w_id ,
    :d_id ,
    :c_id ,
    :c_first
INDICATOR :c_first_ind ,
    :c_middle
INDICATOR :c_middle_ind ,
    :c_last
INDICATOR :c_last_ind ,
    :c_balance
INDICATOR :c_balance_ind ,
    :o_id
INDICATOR :o_id_ind ,
    :o_entry_d
INDICATOR :o_entry_d_ind ,
    :o_carrier_id
INDICATOR :o_carrier_id_ind ,
    :o_ol_cnt
    :ol_join INDICATOR :ol_join_ind
);

#else
    SQLWAIT_0;
    strcpy(state,"00000");

    c_id = rand()%3000 + 1;          /* 98.03.24
lch. */
    strcpy( c_first, "ABCDEFGHJKLM" );
    strcpy( c_middle, "OE" );
    strcpy( c_last, "BAROUGHTABLE" );

    c_balance = ( ( rand()*rand()%19999999)-
9999999 ) / 100.0;
    o_id = rand()%99999999+1;
    strcpy( o_entry_d, "19980123123456" );
    o_ol_cnt = rand()%11 + 5;
#endif

    if ( memcmp(state,"00000",5) != 0 )
    {
        strcpy(SQLSTATE,state,5) ;
        SQLSTATE[5] = 0          ;
        if ( memcmp(state,"02000",5) == 0 )
        {
            goto not_found;
        }
        else
        {
            goto sqlerr;
        }
    }

#ifdef USE_SQL_MODE          /*
98.03.24 lch. */
    for ( ol_number = 0; ol_number <
o_ol_cnt; ++ol_number )
    {
        bpo->ol_i_id[ol_number] = atoi(oljp-
>sqlvar[ol_number].ol_i_id) ;
        bpo->ol_amount[ol_number] = atoi(oljp-
>sqlvar[ol_number].ol_amount);

        /* 980821 adjust for over 1000WH suzuki */
        for( l = 0; l < 4; l++){
            ol_supply_w_id_5[l] = oljp-
>sqlvar[ol_number].ol_supply_w_id[l];
        }
        bpo->ol_supply_w_id[ol_number]
            = atoi(ol_supply_w_id_5) ;
        /*
            = atoi(oljp-
>sqlvar[ol_number].ol_supply_w_id) ;*/
        /* 980821 suzuki */

        bpo->ol_quantity[ol_number]
            = atoi(oljp-
>sqlvar[ol_number].ol_quantity) ;
        if(memcmp(oljp-
>sqlvar[ol_number].ol_delivery_d,"77777777",9) != 0)
        {
            bpo->ol_delivery_d[ol_number]
                = c_ymdhms(oljp-
>sqlvar[ol_number].ol_delivery_d);
        }
        else
        {
            bpo->ol_delivery_d[ol_number] =
77777777 ;
        }
    }
#else          /* 98.03.24 lch. */
    for ( ol_number = 0; ol_number < o_ol_cnt;
++ol_number )
    {
        bpo->ol_i_id[ol_number] = ( rand()%100000 )+1;
        bpo->ol_amount[ol_number] = rand()%1000000;
        bpo->ol_supply_w_id[ol_number] =
( rand()%10 )+1;
        bpo->ol_quantity[ol_number] = ( rand()%99 )+1;

        bpo->ol_delivery_d[ol_number] =
c_ymdhms("19980321054321" );
    }
#endif

    if ( o_carrier_id_ind == -1 )
    {
        bpo->o_carrier_id = INTNULL ;
    }
    else
    {
        bpo->o_carrier_id = o_carrier_id ;
    }
    bpo->c_id          = c_id          ;
    bpo->o_ol_cnt      = o_ol_cnt      ;
    strcpy(bpo->c_first,c_first) ;
    strcpy(bpo->c_middle,c_middle) ;
    strcpy(bpo->c_last,c_last) ;
    // bpo->c_balance  = c_balance ; 98.11.19 DB
    bpo->c_balance     = c_balance/100.0 ;
    bpo->o_id          = o_id          ;
    bpo->o_entry_d     = c_ymdhms(o_entry_d) ;

    bpo->errorpos      = 0              ;
    bpo->sqlstate       = 0              ;
    /*EXEC SQL COMMIT WORK;*/

    return (1);

not_found:
    DP("NOT FOUND IN OrderStatus
AT %d\n",errorpos);
    fflush(stdout);
    bpo->errorpos      = errorpos        ;
    bpo->sqlstate       = atoi(SQLSTATE) ;
    /*EXEC SQL ROLLBACK WORK;*/
    return(0);

sqlerr:
#ifdef DP_SQLERR
    DP("OrderStatus ERRPOS=%d
SQLSTATE=%s\n",errorpos,SQLSTATE);
#endif
    if(Error())
    {
        /*EXEC SQL ROLLBACK WORK;*/
        goto begin_tran;
    }

    bpo->errorpos      = errorpos        ;
    bpo->sqlstate       = atoi(SQLSTATE) ;
    /*EXEC SQL ROLLBACK WORK;*/

    return(0);
}

/*****
/* preDelivery */
/*****
preDelivery()
{
    return(1);
}

/*****
/* Delivery */
/*****
Delivery()

```

```

{
    int temp_d_id          ;
    result_join_str *rjp  ;

begin_tran:
#ifdef USE_SQL_MODE      /* 98.02.23
suzuki */
    EXEC SQL WHENEVER SQLERROR
GOTO :sqlerr ;
    EXEC SQL WHENEVER NOT FOUND
GOTO :not_found ;
#endif

    result_join.sqllen = 0 ;
    rjp = (result_join_str *)&result_join ;
    s_ymdhms() ;
    strncpy(ol_delivery_d, tc_s, 14) ;
    o_carrier_id = bpd->o_carrier_id ;
    errorpos = 0 ;
#ifdef USE_SQL_MODE      /* 98.02.23
suzuki */
    EXEC SQL
    CALL
TPCC_SCHEMA.Y_DELIVERY(:state
    :errorpos
INDICATOR :errorpos_ind
    :w_id
    :c_id
    :o_carrier_id
    :ol_delivery_d
    :result_join
INDICATOR :result_join_ind
    );
#else
    SQLWAIT_D;
    strcpy(state, "00000");
#endif

    if ( memcmp(state, "00000", 5) != 0 )
    {
        strncpy(SQLSTATE, state, 5) ;
        SQLSTATE[5] = 0 ;
        if ( memcmp(state, "02000", 5) == 0 )
        {
            goto not_found;
        }
        else
        {
            goto sqlerr;
        }
    }

    for ( temp_d_id = 0 ; temp_d_id < 10 ;
temp_d_id++)
    {
        result_o_id[temp_d_id] = atoi(rjp-
>sqlvar[temp_d_id].result_o_id);
    }

    bpd->errorpos = 0 ;
    bpd->sqlstate = 0 ;
    /*EXEC SQL COMMIT WORK;*/

    return(1);

not_found:
    DP("NOT FOUND IN DELIVERY
AT %d\n", errorpos);

fflush(stdout);
bpd->errorpos = errorpos ;
bpd->sqlstate = atoi(SQLSTATE) ;
/*EXEC SQL ROLLBACK WORK;*/
return(0);

sqlerr:
#ifdef DP_SQLERR
    DP("Delivery ERRPOS=%d
SQLSTATE=%s\n", errorpos, SQLSTATE);
#endif
    if(Error())
    {
        /*EXEC SQL ROLLBACK WORK;*/
        goto begin_tran;
    }
    bpd->errorpos = errorpos ;
    bpd->sqlstate = atoi(SQLSTATE) ;
    /*EXEC SQL ROLLBACK WORK;*/
    return(0);
}

/******
/* preStockLevel */
/******
preStockLevel()
{
    return(1);
}

/******
/* StockLevel */
/******
StockLevel()
{

begin_tran:
#ifdef USE_SQL_MODE      /* 98.02.23
suzuki */
    EXEC SQL WHENEVER SQLERROR
GOTO :sqlerr ;
    EXEC SQL WHENEVER NOT FOUND
GOTO :not_found ;
#endif
    errorpos = 0 ;

/* 98.06.12 */
#ifdef STOCK_STORED
#ifdef USE_SQL_MODE      /* 98.02.23
suzuki */
    EXEC SQL
    CALL
TPCC_SCHEMA.Y_STOCKLV(:state
    :errorpos
INDICATOR :errorpos_ind
    :w_id
    :d_id
    :threshold
    :low_stock
INDICATOR :low_stock_ind
    );
#else
    SQLWAIT_S;
    strcpy(state, "00000");

    low_stock = rand()%201;
98.03.24 Ich. */
#endif
#endif
}

if ( memcmp(state, "00000", 5) != 0 )
{
    strncpy(SQLSTATE, state, 5) ;
    SQLSTATE[5] = 0 ;
    if ( memcmp(state, "02000", 5) == 0 )
    {
        goto not_found;
    }
    #else
    /* (1) DISTRICT table select */
    EXEC SQL WHENEVER
SQLERROR GOTO :ERR_S_DI;
    EXEC SQL WHENEVER NOT
FOUND GOTO :ERR_S_DI;
    EXEC SQL SELECT D_NEXT_O_ID
    INTO :o_id
    FROM TPCC_SCHEMA.DISTRICT
    WHERE D_W_ID = :w_id
    AND D_ID = :d_id;
    EXEC SQL WHENEVER
SQLERROR CONTINUE;
    EXEC SQL WHENEVER NOT
FOUND CONTINUE;

/* (2) ORDERLINE table select */
/* (3) STOCK table select and count ITEM */

    tmp_o_id = o_id - 20;
    o_id = o_id - 1 ;
    t19 = o_id - 1;
    t18 = o_id - 2;
    t17 = o_id - 3;
    t16 = o_id - 4;
    t15 = o_id - 5;
    t14 = o_id - 6;
    t13 = o_id - 7;
    t12 = o_id - 8;
    t11 = o_id - 9;
    t10 = o_id - 10;
    t09 = o_id - 11;
    t08 = o_id - 12;
    t07 = o_id - 13;
    t06 = o_id - 14;
    t05 = o_id - 15;
    t04 = o_id - 16;
    t03 = o_id - 17;
    t02 = o_id - 18;

    EXEC SQL WHENEVER
SQLERROR GOTO :ERR_S_STOL;
    EXEC SQL WHENEVER NOT
FOUND GOTO :ERR_S_STOL;

    EXEC SQL SELECT COUNT(DISTINCT S_I_ID)
    INTO :low_stock
    FROM TPCC_SCHEMA.ORDERLINE,
    TPCC_SCHEMA.STOCK
    WHERE OL_W_ID = :w_id
    AND OL_D_ID = :d_id
    AND OL_O_ID
    IN(:tmp_o_id,

```

```

:102,:103,:104,:105,:106,:107,:108,:109;
110,
:t11,:t12,:t13,:t14,:t15,:t16,:t17,:t18,:t19,
:o_id)
AND OL_NUMBER
IN(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15)
--$
--$ AND OL_O_ID
--$ BETWEEN @TMP_O_ID
--$ AND @O_ID
AND S_I_ID = OL_I_ID
AND S_W_ID = OL_W_ID
AND S_W_ID = :w_id
AND S_QUANTITY < :threshold;

EXEC SQL WHENEVER
SQLERROR CONTINUE;
EXEC SQL WHENEVER NOT
FOUND CONTINUE;

/* 98.08.27 stocklevel commit */
EXEC SQL COMMIT WORK;
/* 98.08.27 */

#endif
/* 98.06.12 */

bps->errorpos = 0 ;
bps->sqlstate = 0 ;
/*EXEC SQL COMMIT WORK;*/
return(1);

/* 98.06.12 */
/* --SQLERR:NOT_FOUND */
ERR_S_DI:
bps->errorpos = 203;
goto sqlerr;

ERR_S_STOL:
bps->errorpos = 248;
goto sqlerr;
/* 98.06.12 */

not_found:
DP("NOT FOUND IN STOCKLEVEL
AT %d\n",errorpos);
fflush(stdout);
bps->errorpos = errorpos ;
bps->sqlstate = atoi(SQLSTATE) ;
/* 98.08.27 stocklevel rollback ( ) */
EXEC SQL ROLLBACK WORK;
/* 98.08.27 */
return(0);

sqlerr:
#ifdef DP_SQLERR
DP("Stocklevel ERRPOS=%d
SQLSTATE=%s\n",errorpos,SQLSTATE);
#endif
if(Error())
{
/* 98.08.27 stocklevel rollback ( ) */
EXEC SQL ROLLBACK WORK;
/* 98.08.27 */
goto begin_tran;
}
bps->errorpos = errorpos ;

bps->sqlstate = atoi(SQLSTATE) ;
/* 98.08.27 stocklevel rollback ( ) */
EXEC SQL ROLLBACK WORK;
/* 98.08.27 */
return(0);
}
#endif
USE_FML
98.04.07 */
/******
/* TPCC1->TPCC10 TPCCs1->3 TPCCd1->3 */
/******
TPCC1(info)
TPSVCINFO *info;
{
#ifdef TRACE
DP("TPCC-1 called\n");
#endif
number = 1;
return(TPCC(info,number));
}
TPCC2(info)
TPSVCINFO *info;
{
number = 2;
return(TPCC(info,number));
}
TPCC3(info)
TPSVCINFO *info;
{
number = 3;
return(TPCC(info,number));
}
TPCC4(info)
TPSVCINFO *info;
{
number = 4;
return(TPCC(info,number));
}
TPCC5(info)
TPSVCINFO *info;
{
number = 5;
return(TPCC(info,number));
}
TPCC6(info)
TPSVCINFO *info;
{
number = 6;
return(TPCC(info,number));
}
TPCC7(info)
TPSVCINFO *info;
{
number = 7;
return(TPCC(info,number));
}
TPCC8(info)
TPSVCINFO *info;
{
number = 8;
return(TPCC(info,number));
}
TPCC9(info)
TPSVCINFO *info;
{
number = 9;
return(TPCC(info,number));
}
}
TPCC10(info)
TPSVCINFO *info;
{
number = 10;
return(TPCC(info,number));
}
TPCCd1(info)
TPSVCINFO *info;
{
number = 11;
return(TPCC(info,number));
}
TPCCd2(info)
TPSVCINFO *info;
{
number = 12;
return(TPCC(info,number));
}
TPCCd3(info)
TPSVCINFO *info;
{
number = 13;
return(TPCC(info,number));
}
TPCCs1(info)
TPSVCINFO *info;
{
number = 14;
return(TPCC(info,number));
}
TPCCs2(info)
TPSVCINFO *info;
{
number = 15;
return(TPCC(info,number));
}
TPCCs3(info)
TPSVCINFO *info;
{
number = 16;
return(TPCC(info,number));
}
}
#endif

File: Y DELIVERY pgsr

--/*****STORED
PROCEDURE*****
--/* Y_DELIVERY COPYRIGHT FUJITSU LIMITED
1997 */
--/* : */
--/* : */
--/* I: SymfoWARE RDB TPC-C Benchmark
*/
--/* @\: Delivery */
--/* : 1996/10/12 */
--/* 1997/03/13 Revision3.3 : Any Error(Clause
2.3.6) */
--
/*****
*****/

-- #RESULT_JOIN VARCHAR(100)
-- +-----+

```

```

-- |sqlen short |
-- +sqlver-----+ ---
--|#RESULT_O_IDn CHAR(9) || g
P O
-- +-----+ |
-- | T v X h - CHAR(1)"|" ||
-- +-----+ ---
-- `
-- +-----+
-- j o p v O z X g i u ` q b g ` q j
-- k k i D j K O
--
*****
EXEC SQL
CREATE PROCEDURE
TPCC_SCHEMA.Y_DELIVERY(OUT #STATE
CHAR(5),
INOUT #ERRPOS
INTEGER ,
IN #W_ID
SMALLINT ,
INOUT #C_ID
INTEGER ,
IN #O_CARRIER_ID
SMALLINT ,
IN #OL_DELIVERY_D
CHAR(14) ,
INOUT #RESULT_JOIN
VARCHAR(100)
)
DELIVERY:BEGIN
-- DECLARE
DECLARE SQLSTATE CHAR(5)
DEFAULT '00000';
DECLARE SAPSTOP CHAR(1)
DEFAULT ' ' ;
DECLARE @OL_TOTAL INTEGER ;
DECLARE @DMY_W_ID SMALLINT;
DECLARE @DMY_D_ID SMALLINT;
DECLARE @D_ID SMALLINT;
DECLARE @NO_O_ID INTEGER ;
-- DECLARE @OZAWK SMALLINT;
-- (3) ORDERS table cursor
DECLARE CDOS CURSOR FOR
SELECT O_C_ID
FROM TPCC_SCHEMA.ORDERS
WHERE O_W_ID = #W_ID
AND O_D_ID = @D_ID
AND O_ID = @NO_O_ID
FOR UPDATE;
-- SET @OZAWK = 1;
-- LOOP
SET @D_ID = 1;
DID10:LOOP
IF @D_ID > 10 THEN
GOTO NORMAL_END ;
END IF;
-- (1) NEWORDER e[u A I[_
iNO_O_ID]
-- R[hi A I[_E R[hj
WHENEVER SQLERROR
GOTO ERR_S_NO;
SELECT MIN(NO_O_ID)
INTO @NO_O_ID
FROM TPCC_SCHEMA.NEWORDER
WHERE NO_W_ID = #W_ID
AND NO_D_ID = @D_ID;
WHENEVER SQLERROR
CONTINUE;
IF SQLSTATE <> '00000'
OR @NO_O_ID IS NULL THEN
SET @NO_O_ID = 99999999 ;
GOTO NEXT_DID ;
END IF;
-- (2) NEW-ORDER e[u A@NO_O_ID v
R[h
-- i I[_ R[hj iP j
WHENEVER SQLERROR
GOTO ERR_D_NO;
WHENEVER NOT FOUND
GOTO ERR_D_NO;
DELETE FROM TPCC_SCHEMA.NEWORDER
WHERE NO_W_ID = #W_ID
AND NO_D_ID = @D_ID
AND NO_O_ID = @NO_O_ID ;
-- (5) ORDER-LINE e[u AOL_AMOUNT v
I
WHENEVER SQLERROR
GOTO ERR_S_OL;
WHENEVER NOT FOUND
GOTO ERR_S_OL;
SELECT SUM(OL_AMOUNT)
INTO @OL_TOTAL
FROM TPCC_SCHEMA.ORDERLINE
WHERE OL_W_ID = #W_ID
AND OL_D_ID = @D_ID
AND OL_O_ID = @NO_O_ID
AND OL_NUMBER
IN(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15);
--$$ AND OL_NUMBER = @OZAWK;
--$ -- if OL index exist
--$ WHERE OL_W_ID = #W_ID
--$ AND OL_D_ID = @D_ID
--$ AND OL_O_ID = @NO_O_ID;
-- ORDER-LINE e[u Y R[h X V
WHENEVER SQLERROR
GOTO ERR_U_OL;
WHENEVER NOT FOUND
GOTO ERR_U_OL;
UPDATE TPCC_SCHEMA.ORDERLINE
SET OL_DELIVERY_D =
#OL_DELIVERY_D
WHERE OL_W_ID = #W_ID
AND OL_D_ID = @D_ID
AND OL_O_ID = @NO_O_ID
AND OL_NUMBER
IN(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15);
--$ -- if OL index exist
--$ WHERE OL_W_ID = #W_ID
--$ AND OL_D_ID = @D_ID
--$ AND OL_O_ID = @NO_O_ID;
-- (3) ORDER e[u A@NO_O_ID v R
[h
-- iP jA o
WHENEVER SQLERROR
GOTO ERR_S_OR;
WHENEVER NOT FOUND
GOTO ERR_S_OR;
OPEN CDOS;
FETCH CDOS INTO #C_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- (4) ORDER e[u Y R[h X V
WHENEVER SQLERROR
GOTO ERR_U_OR;
UPDATE TPCC_SCHEMA.ORDERS
SET O_CARRIER_ID = #O_CARRIER_ID
WHERE CURRENT OF CDOS;
WHENEVER SQLERROR
CONTINUE;
CLOSE CDOS;
-- (6) z I[_ s Customer e[u E R
[h X V
WHENEVER SQLERROR
GOTO ERR_U_CM;
WHENEVER NOT FOUND
GOTO ERR_U_CM;
UPDATE TPCC_SCHEMA.CUSTOMER
SET C_BALANCE = C_BALANCE +
@OL_TOTAL,
C_DELIVERY_CNT =
C_DELIVERY_CNT + 1
WHERE C_W_ID = #W_ID
AND C_D_ID = @D_ID
AND C_ID = #C_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
NEXT_DID:
SET #RESULT_JOIN = #RESULT_JOIN
|| CAST(@NO_O_ID AS CHAR(9)) ||
SAPSTOP ;
SET @D_ID = @D_ID + 1;
COMMIT WORK ;
END LOOP DID10;
-- LOOP END
NORMAL_END:
SET #STATE = '00000' ;
LEAVE DELIVERY ;
--SQLERR:NOT_OUND:
ERR_S_OR:
SET #ERRPOS = 207 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE DELIVERY ;
ERR_S_OL:
SET #ERRPOS = 208 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE DELIVERY ;
ERR_S_NO:

```

```

SET #ERRPOS = 209 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE DELIVERY ;
ERR_U_CM:
SET #ERRPOS = 305 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE DELIVERY ;
ERR_U_OR:
SET #ERRPOS = 307 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE DELIVERY ;
ERR_U_OL:
SET #ERRPOS = 308 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE DELIVERY ;
ERR_D_NO:
SET #ERRPOS = 409 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;

END DELIVERY
END-EXEC;

File: Y_norder5

--/*****STORED
PROCEDURE*****/
--/** Y_NORDER COPYRIGHT FUJITSU LIMITED
1997 **/
--/** : **/
--/** : **/
--/** I: SymfoWARE RDB TPC-C Benchmark
**/
--/** @\: NewOrder
**/
--/** : 1996/10/12 **/
--/** 1997/03/13 Revision3.3 : Any Error(Clause
2.3.6) **/
--/** 1999/05/27 A C e G
[ S_JOIN,I_JOIN **/
/*****
*****/

--
*****
*****
-- #S_JOIN VARCHAR(1215)
-- +-----+
-- |sqlen short |
-- +sqlver-----+ ---
-- | S_QUANTITYn CHAR(6) | |
-- +-----+ |
-- | S_DISTn CHAR(24) | | g P
T
-- +-----+ |
-- | S_DATAAn CHAR(50) | |
-- +-----+ |
-- | T v X h -CHAR(1)" | |
-- +-----+ ---
-- | |
-- \ \
-- \ \
-- +-----+
-- j o p v O z X g i u ` q b g ` q j
-- k k i D j K O
*****
*****
EXEC SQL
CREATE PROCEDURE
TPCC_SCHEMA.Y_NORDER5(OUT #STATE
CHAR(5),
INOUT #ERRPOS
INTEGER ,
IN #W_ID
SMALLINT,
IN #D_ID SMALLINT,
IN #C_ID INTEGER ,
INOUT #O_ALL_LOCAL
SMALLINT,
OUT #W_TAX
SMALLINT,
OUT #D_TAX
SMALLINT,
INOUT #O_ID
INTEGER ,
IN #O_ENTRY_D
CHAR(14),
OUT #C_DISCOUNT
SMALLINT,
OUT #C_LAST
CHAR(16),
OUT #C_CREDIT
CHAR(2),
INOUT #ITEM_NF_CTR
SMALLINT,
IN #H_CNT
SMALLINT,
IN #R_CNT
SMALLINT,
IN #OL_I_ID1
INTEGERS,
IN #OL_I_ID2
INTEGERS,
IN #OL_I_ID3
INTEGERS,
IN #OL_I_ID4
INTEGERS,
IN #OL_I_ID5
INTEGERS,
IN #OL_I_ID6
INTEGERS,
IN #OL_I_ID7
INTEGERS,
IN #OL_I_ID8
INTEGERS,
IN #OL_I_ID9
INTEGERS,
IN #OL_I_ID10
INTEGERS,
IN #OL_I_ID11
INTEGERS,
IN #OL_I_ID12
INTEGERS,
IN #OL_I_ID13
INTEGERS,
IN #OL_I_ID14
INTEGERS,
IN #OL_I_ID15
INTEGERS,
IN #OL_I_ID_JOIN
VARCHAR(105) ,
IN #OL_QUANTITY_JOIN
VARCHAR(60) ,
INOUT #S_JOIN
VARCHAR(1215),
INOUT #I_JOIN
VARCHAR(1215),
IN #OL_SUPPLY_W_JOIN
VARCHAR(60)
)
NEWORDER:BEGIN
-- DECLARE
DECLARE SQLSTATE CHAR(5)
DEFAULT '00000';
DECLARE SAPSTOP CHAR(1)
DEFAULT ' ';
DECLARE @OL_I_ID INTEGER;
DECLARE @OL_SUPPLY_W_ID SMALLINT;
DECLARE @OL_QUANTITY SMALLINT;
DECLARE @S_QUANTITY SMALLINT;
DECLARE @I_PRICEH SMALLINT;
DECLARE @I_NAMEH CHAR(24);
DECLARE @I_DATAH CHAR(50);
DECLARE @S_DATA CHAR(50);
DECLARE @S_YTD INTEGER;
DECLARE @S_ORDER_CNT SMALLINT;
DECLARE @S_REMOTE_CNT SMALLINT;
DECLARE @D_NEXT_O_ID INTEGER;
DECLARE @OL_NUMBER SMALLINT;
DECLARE @STOCK_NUM SMALLINT;
DECLARE @MATCH_TBL_CNT SMALLINT;
DECLARE @S_DIST CHAR(24);
DECLARE @S_DIST_01 CHAR(24);
DECLARE @S_DIST_02 CHAR(24);
DECLARE @S_DIST_03 CHAR(24);
DECLARE @S_DIST_04 CHAR(24);
DECLARE @S_DIST_05 CHAR(24);
DECLARE @S_DIST_06 CHAR(24);
DECLARE @S_DIST_07 CHAR(24);
DECLARE @S_DIST_08 CHAR(24);
DECLARE @S_DIST_09 CHAR(24);
DECLARE @S_DIST_10 CHAR(24);
DECLARE @S_DIST_JOIN CHAR(240) ;
DECLARE @C_OL_I_ID CHAR(7) ;
DECLARE @C_I_PRICEH CHAR(6) ;
DECLARE @C_S_QUANTITY CHAR(6) ;
DECLARE @OL_AMOUNT INTEGER ;

```

```

DECLARE @O_OL_CNT    SMALLINT ;
DECLARE @DIST_POS    SMALLINT ;
DECLARE @FILL_CNT    SMALLINT;
DECLARE @TMP_CNT     SMALLINT;

-- (7) ITEM table sele(IN)
DECLARE ITEM_H CURSOR FOR
SELECT I_PRICE,
       I_NAME,
       I_DATA,
       I_ID
FROM TPCC_SCHEMA.ITEM
WHERE TPCC_SCHEMA.ITEM.I_ID
      IN( #OL_I_ID1 ,
          #OL_I_ID2 ,
          #OL_I_ID3 ,
          #OL_I_ID4 ,
          #OL_I_ID5 ,
          #OL_I_ID6 ,
          #OL_I_ID7 ,
          #OL_I_ID8 ,
          #OL_I_ID9 ,
          #OL_I_ID10 ,
          #OL_I_ID11 ,
          #OL_I_ID12 ,
          #OL_I_ID13 ,
          #OL_I_ID14 ,
          #OL_I_ID15 );

-- (8) STOCK table select
DECLARE CNSS_HOME CURSOR FOR
SELECT S_I_ID,S_QUANTITY,
       S_DIST_01,S_DIST_02,S_DIST_03,S_DI
ST_04,S_DIST_05,
       S_DIST_06,S_DIST_07,S_DIST_08,S_DI
ST_09,S_DIST_10,
       S_YTD,S_ORDER_CNT,S_REMOTE_C
NT,S_DATA
FROM TPCC_SCHEMA.STOCK
WHERE S_W_ID = #W_ID
      AND S_I_ID IN( #OL_I_ID1 ,
                    #OL_I_ID2 ,
                    #OL_I_ID3 ,
                    #OL_I_ID4 ,
                    #OL_I_ID5 ,
                    #OL_I_ID6 ,
                    #OL_I_ID7 ,
                    #OL_I_ID8 ,
                    #OL_I_ID9 ,
                    #OL_I_ID10 ,
                    #OL_I_ID11 ,
                    #OL_I_ID12 ,
                    #OL_I_ID13 ,
                    #OL_I_ID14 ,
                    #OL_I_ID15 )
ORDER BY S_I_ID DESC
FOR UPDATE ;

SET @DIST_POS = 1+(#D_ID-1)*24;
SET @O_OL_CNT = #H_CNT + #R_CNT ;
SET #O_ALL_LOCAL = 1 ;

-- (4) CUSTOMER table select
WHENEVER SQLERROR
GOTO ERR_S_CM;
WHENEVER NOT FOUND
GOTO ERR_S_CM;
SELECT C_LAST,C_CREDIT,C_DISCOUNT
INTO #C_LAST,
      #C_CREDIT,
      #C_DISCOUNT
FROM TPCC_SCHEMA.CUSTOMER
WHERE C_W_ID = #W_ID
      AND C_D_ID = #D_ID
      AND C_ID = #C_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;

IF #H_CNT = 0 THEN
GOTO REMORT_PROC ;
END IF;

HOME_PROC:
-- Home Warehouse PROCESS START
-- ( [ Warehouse id ] )
-- (7) ITEM table select
WHENEVER SQLERROR
GOTO ERR_S_IT;
WHENEVER NOT FOUND
GOTO ERR_S_IT;
OPEN ITEM_H ;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- LOOP
SET @MATCH_TBL_CNT = 0 ;
INCNT:LOOP
WHENEVER SQLERROR
GOTO ERR_S_IT;
WHENEVER NOT FOUND
GOTO L1;
FETCH ITEM_H
INTO @I_PRICEH,
      @I_NAMEH,
      @I_DATAH,
      @OL_I_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;

SET @MATCH_TBL_CNT =
@MATCH_TBL_CNT + 1;

SET @C_I_PRICEH = CAST(@I_PRICEH
AS CHAR(6)) ;
SET #I_JOIN = #I_JOIN ||
@C_I_PRICEH ||
@I_NAMEH || @I_DATAH ||
SAPSTOP ;

END LOOP INCNT;
-- LOOP END

L1: IF @MATCH_TBL_CNT < #H_CNT THEN
SET #ITEM_NF_CTR = -2 ;
GOTO NORMAL_END ;
END IF;

CLOSE ITEM_H ;

-- (8) STOCK table select
-- (9) STOCK table update
WHENEVER SQLERROR
GOTO ERR_S_ST;
WHENEVER NOT FOUND
GOTO ERR_S_ST;
OPEN CNSS_HOME ;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- LOOP
SET @STOCK_NUM = 0;
OLCNT:LOOP
IF @STOCK_NUM = #H_CNT THEN
GOTO L3 ;
END IF;

-- (8) STOCK table select
WHENEVER SQLERROR
GOTO ERR_S_ST;
WHENEVER NOT FOUND
GOTO L3 ;
FETCH CNSS_HOME
INTO @OL_I_ID,@S_QUANTITY,
      @S_DIST_01,@S_DIST_02,@S_DIST_0
3,@S_DIST_04,@S_DIST_05,
      @S_DIST_06,@S_DIST_07,@S_DIST_0
8,@S_DIST_09,@S_DIST_10,
      @S_YTD,@S_ORDER_CNT,@S_REMO
TE_CNT,@S_DATA;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
SET @S_DIST_JOIN = @S_DIST_01
|| @S_DIST_02
|| @S_DIST_03
|| @S_DIST_04
|| @S_DIST_05
|| @S_DIST_06
|| @S_DIST_07
|| @S_DIST_08
|| @S_DIST_09
||
@S_DIST_10 ;
SET @S_DIST =
SUBSTRING(@S_DIST_JOIN FROM @DIST_POS
FOR 24) ;

SET @OL_QUANTITY =
CAST(SUBSTRING(#OL_QUANTITY_JOIN
FROM 1+(@STOCK_NUM * 4)
FOR 4)
AS SMALLINT) ;

SET @S_QUANTITY = (@S_QUANTITY -
@OL_QUANTITY);
IF @S_QUANTITY < 10 THEN
SET @S_QUANTITY = @S_QUANTITY +
91 ;
END IF;

SET @S_YTD = @S_YTD +
@OL_QUANTITY;
SET @S_ORDER_CNT = @S_ORDER_CNT +
1;

-- (9) STOCK table update

```

```

WHENEVER SQLERROR
GOTO ERR_U_ST;
UPDATE TPCC_SCHEMA.STOCK
  SET S_QUANTITY = @S_QUANTITY,
      S_YTD      = @S_YTD,
      S_ORDER_CNT = @S_ORDER_CNT,
      S_REMOTE_CNT = @S_REMOTE_CNT
WHERE CURRENT OF CNSS_HOME ;
WHENEVER SQLERROR
CONTINUE;

SET @C_S_QUANTITY =
CAST(@S_QUANTITY AS CHAR(6)) ;
SET #S_JOIN = #S_JOIN ||
@C_S_QUANTITY ||
@S_DIST || @S_DATA ||
SAPSTOP ;

SET @STOCK_NUM = @STOCK_NUM + 1;

END LOOP OLCNT;
-- LOOP END

L3: IF @STOCK_NUM <> #H_CNT
AND @STOCK_NUM <> #ITEM_NF_CTR THEN
GOTO ERR_S_ST_NF;
END IF;
CLOSE CNSS_HOME ;

-- E F A n E X A C e G [ v C X [ G g
-- LOOP
SET @FILL_CNT = 0 ;
SET @TMP_CNT = #H_CNT - @STOCK_NUM ;
FILLCNT:LOOP
IF @FILL_CNT = @TMP_CNT THEN
GOTO L4 ;
END IF;

SET #I_JOIN = #I_JOIN ||
'0 ' ||
'123456789012345678901234' ||
'1234567890123456789012345678
9012345678901234567890' ||
SAPSTOP ;
SET #S_JOIN = #S_JOIN ||
'123456' ||
'123456789012345678901234' ||
'1234567890123456789012345678
9012345678901234567890' ||
SAPSTOP ;

SET @FILL_CNT = @FILL_CNT + 1;

END LOOP FILLCNT;
-- LOOP END

-- Home Warehouse PROCESS END

L4: IF #R_CNT = 0 THEN
GOTO DISTRICT_PROC ;
END IF;

REMORT_PROC:
-- Remote Warehouse process start
-- ([ 0 Warehouse)
-- LOOP
SET @MATCH_TBL_CNT = 0 ;
SET @STOCK_NUM = 0 ;

```

```

OLCNT_R:LOOP
R1: IF @STOCK_NUM = #R_CNT THEN
GOTO R3 ;
END IF;

SET @OL_I_ID =
CAST(SUBSTRING(#OL_I_ID_JOIN
FROM 1+(@STOCK_NUM * 7)
FOR 7)
AS INTEGER) ;

SET @OL_SUPPLY_W_ID =
CAST(SUBSTRING(#OL_SUPPLY_W_JOIN
FROM 1+(@STOCK_NUM * 4)
FOR 4)
AS SMALLINT) ;
-- (7) ITEM table select
WHENEVER SQLERROR
GOTO ERR_S_IT ;
WHENEVER NOT FOUND
GOTO R4 ;
SELECT I_PRICE,I_NAME,I_DATA
INTO @I_PRICEH,
@I_NAMEH ,
@I_DATAH
FROM TPCC_SCHEMA.ITEM
WHERE I_ID = @OL_I_ID ;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;

SET @MATCH_TBL_CNT =
@MATCH_TBL_CNT + 1 ;

SET @C_I_PRICEH = CAST(@I_PRICEH AS
CHAR(6)) ;
SET #I_JOIN = #I_JOIN || @C_I_PRICEH
||
@I_NAMEH || @I_DATAH ||
SAPSTOP ;

-- (8) STOCK table select
WHENEVER SQLERROR
GOTO ERR_S_ST;
WHENEVER NOT FOUND
GOTO ERR_S_ST;
SELECT S_QUANTITY,
S_DIST_01,S_DIST_02,S_DIST_03,S_DIST
_04,S_DIST_05,
S_DIST_06,S_DIST_07,S_DIST_08,S_DIST
_09,S_DIST_10,
S_YTD,S_ORDER_CNT,S_REMOTE_CNT,
S_DATA
INTO @S_QUANTITY,
@S_DIST_01,@S_DIST_02,@S_DIST_03,@
S_DIST_04,@S_DIST_05,
@S_DIST_06,@S_DIST_07,@S_DIST_08,@
S_DIST_09,@S_DIST_10,
@S_YTD,@S_ORDER_CNT,@S_REMOTE_
CNT,@S_DATA
FROM TPCC_SCHEMA.STOCK
WHERE S_W_ID = @OL_SUPPLY_W_ID
AND S_I_ID = @OL_I_ID ;
WHENEVER SQLERROR
CONTINUE;

```

```

WHENEVER NOT FOUND
CONTINUE;

SET @S_DIST_JOIN = @S_DIST_01
|| @S_DIST_02
|| @S_DIST_03
|| @S_DIST_04
|| @S_DIST_05
|| @S_DIST_06
|| @S_DIST_07
|| @S_DIST_08
|| @S_DIST_09
||
@S_DIST_10 ;
SET @S_DIST =
SUBSTRING(@S_DIST_JOIN FROM @DIST_POS
FOR 24) ;

SET @OL_QUANTITY =
CAST(SUBSTRING(#OL_QUANTITY_JOIN
FROM
1+((@STOCK_NUM+#H_CNT) * 4) FOR 4)
AS SMALLINT) ;

SET @S_QUANTITY = (@S_QUANTITY -
@OL_QUANTITY);
IF @S_QUANTITY < 10 THEN
SET @S_QUANTITY = @S_QUANTITY +
91 ;
END IF;

SET @S_YTD = @S_YTD +
@OL_QUANTITY;
SET @S_ORDER_CNT = @S_ORDER_CNT +
1;
IF @OL_SUPPLY_W_ID <> #W_ID THEN
SET @S_REMOTE_CNT =
@S_REMOTE_CNT + 1;
SET #O_ALL_LOCAL = 0;
END IF;

-- (9) STOCK table update
WHENEVER SQLERROR
GOTO ERR_U_ST;
UPDATE TPCC_SCHEMA.STOCK
  SET S_QUANTITY = @S_QUANTITY,
      S_YTD      = @S_YTD,
      S_ORDER_CNT = @S_ORDER_CNT,
      S_REMOTE_CNT = @S_REMOTE_CNT
WHERE S_W_ID = @OL_SUPPLY_W_ID
AND S_I_ID = @OL_I_ID ;
WHENEVER SQLERROR
CONTINUE;

SET @C_S_QUANTITY =
CAST(@S_QUANTITY AS CHAR(6)) ;
SET #S_JOIN = #S_JOIN ||
@C_S_QUANTITY ||
@S_DIST || @S_DATA ||
SAPSTOP ;

R2: SET @STOCK_NUM = @STOCK_NUM + 1 ;

END LOOP OLCNT_R;

-- LOOP END
R3:
IF @MATCH_TBL_CNT < #R_CNT THEN

```

```

IF #ITEM_NF_CTR = -1 THEN
  SET #ITEM_NF_CTR =
@MATCH_TBL_CNT;
ELSE
  SET #ITEM_NF_CTR = #ITEM_NF_CTR +
@MATCH_TBL_CNT;
END IF;
END IF;
-- Remote Warehouse process end

DISTRICT_PROC:
-- (3) DISTRICT table update
WHENEVER SQLERROR
GOTO ERR_U_DI;
WHENEVER NOT FOUND
GOTO ERR_U_DI;
UPDATE TPCC_SCHEMA.DISTRICT
  SET D_NEXT_O_ID = D_NEXT_O_ID+1
  WHERE D_W_ID = #W_ID
  AND D_ID = #D_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- (2) DISTRICT table select

SELECT D_NEXT_O_ID-1,D_TAX
  INTO #O_ID,#D_TAX
  FROM TPCC_SCHEMA.DISTRICT
  WHERE D_W_ID = #W_ID
  AND D_ID = #D_ID;

-- (6) ORDERS table insert
WHENEVER SQLERROR
GOTO ERR_I_OR;
WHENEVER NOT FOUND
GOTO ERR_I_OR;
INSERT INTO TPCC_SCHEMA.ORDERS
  VALUES (#O_ID,
  #D_ID,
  #W_ID,
  #C_ID,
  #O_ENTRY_D,
  NULL,
  @O_OL_CNT,
  #O_ALL_LOCAL);
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- (5) NEWORDER table insert
WHENEVER SQLERROR
GOTO ERR_I_NO;
WHENEVER NOT FOUND
GOTO ERR_I_NO;
INSERT INTO TPCC_SCHEMA.NEWORDER
  VALUES (#O_ID,
  #D_ID,
  #W_ID);
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- (1) WAREHOUSE table update
WHENEVER SQLERROR
GOTO ERR_S_WH;
SELECT W_TAX

```

```

INTO #W_TAX
FROM TPCC_SCHEMA.WAREHOUSE
WHERE W_ID=#W_ID;
WHENEVER SQLERROR
CONTINUE;

NORMAL_END:
  SET #STATE = '00000';
  LEAVE NEWORDER;

-- E F A n E X A C e G [ O
-- v C X [ G g
R4: SET #I_JOIN = #I_JOIN ||
    '0 ' ||
    '123456789012345678901234' ||
    '1234567890123456789012345678
9012345678901234567890' ||
    SAPSTOP;
  SET #S_JOIN = #S_JOIN ||
    '123456' ||
    '123456789012345678901234' ||
    '1234567890123456789012345678
9012345678901234567890' ||
    SAPSTOP;
  GOTO R2;

--SQLERR:NOT_FOUND:
ERR_I_OR:
  SET #ERRPOS = 107;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_I_OL:
  SET #ERRPOS = 108;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_I_NO:
  SET #ERRPOS = 109;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_S_IT:
  SET #ERRPOS = 201;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_S_WH:
  SET #ERRPOS = 202;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_S_DI:
  SET #ERRPOS = 203;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_S_ST:
  SET #ERRPOS = 204;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_S_ST_NF:
  SET #ERRPOS = 204;
  SET #STATE = '02000';
  LEAVE NEWORDER;
ERR_S_CM:
  SET #ERRPOS = 205;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;
ERR_U_DI:
  SET #ERRPOS = 303;
  SET #STATE = SQLSTATE;
  LEAVE NEWORDER;

```

```

ERR_U_ST:
  SET #ERRPOS = 304;
  SET #STATE = SQLSTATE;

END NEWORDER
END-EXEC;

File: Y_ODERSTAT_pgsr

--/*****STORED
PROCEDURE*****/
--/** Y_ODERSTAT COPYRIGHT FUJITSU LIMITED
1997 **/
--/** : **/
--/** : **/
--/** l: SymfoWARE RDB TPC-C Benchmark
**/
--/** @\: Order-Status
**/
--/** : 1996/10/12 **/
--/** 1997/03/13 Revision3.3 : Any Error(Clause
2.3.6) **/
--
/*****
*****/

-- #OL_JOIN VARCHAR(570)
-- +-----+
-- |sqlen short |
-- +sqlver-----+
-- |#OL_I_IDn CHAR(7) | |
-- +-----+ |
-- |#OL_AMOUNTn CHAR(8) | |
-- +-----+ | g P T
-- |#OL_SUPPLY_W_IDn CHAR(4) | |
-- +-----+ |
-- |#OL_QUANTITYn CHAR(4) | |
-- +-----+ |
-- |#OL_DELIVERYn CHAR(14) | |
-- +-----+ |
-- | T v X h -CHAR(1)" | |
-- +-----+
--
-- j o p v O z X g i u ' q b g ` q j
-- k k i D j K O
--
*****
EXEC SQL
CREATE PROCEDURE
TPCC_SCHEMA.Y_ODERSTAT(OUT #STATE
CHAR(5),
INOUT #ERRPOS
INTEGER,
IN #W_ID
SMALLINT,
IN #D_ID SMALLINT,
INOUT #C_ID
INTEGER,
OUT #C_FIRST
CHAR(16),
OUT #C_MIDDLE
CHAR(2),
INOUT #C_LAST
CHAR(16),

```



```

        OUT #C_BALANCE
DOUBLE PRECISION,
INOUT #O_ID
INTEGER ,
        OUT #O_ENTRY_D
CHAR(14),
        OUT #O_CARRIER_ID
SMALLINT,
        INOUT #O_OL_CNT
SMALLINT,
        INOUT #OL_JOIN
VARCHAR(570)
    )
ORDER_STATUS:BEGIN
-- DECLARE
    DECLARE SQLSTATE      CHAR(5)
    DEFAULT '00000';
    DECLARE SAPSTOP      CHAR(1)
    DEFAULT '?';
    DECLARE DELIVERY_D   CHAR(14)
    DEFAULT '77777777';
    DECLARE @OL_I_ID     INTEGER;
    DECLARE @OL_SUPPLY_W_ID SMALLINT;
    DECLARE @OL_QUANTITY SMALLINT;
    DECLARE @OL_AMOUNT   INTEGER;
    DECLARE @OL_DELIVERY_D CHAR(14);
    DECLARE @OL_NUMBER   INTEGER;
    DECLARE @NAMECOUNT  INTEGER;
    DECLARE @J           INTEGER;
    DECLARE @I           INTEGER;
    DECLARE @WORK        VARCHAR(100);

-- DEFINE CUSTOMER table cursor
    DECLARE COCS CURSOR FOR
        SELECT C_ID,
               C_FIRST,
               C_MIDDLE,
               C_LAST,
               C_BALANCE
        FROM TPCC_SCHEMA.CUSTOMER
        WHERE C_LAST = #C_LAST
              AND C_W_ID = #W_ID
              AND C_D_ID = #D_ID
        ORDER BY C_FIRST;

-- DEFINE ORDERLINE table cursor
    DECLARE COOLS CURSOR FOR
        SELECT OL_I_ID,
               OL_SUPPLY_W_ID,
               OL_DELIVERY_D,
               OL_QUANTITY,
               OL_AMOUNT
        FROM TPCC_SCHEMA.ORDERLINE
        WHERE OL_W_ID = #W_ID
              AND OL_D_ID = #D_ID
              AND OL_O_ID = #O_ID
              AND OL_NUMBER
IN(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15);
--$
--$           WHERE OL_W_ID = #W_ID
--$           AND OL_D_ID = #D_ID
--$           AND OL_O_ID = #O_ID;

    IF #C_ID = 0 THEN
        -- Customer Last Name Payment Transaction
        -- (1) CUSTOMER table select
        WHENEVER SQLERROR
GOTO ERR_S_CM;

        WHENEVER NOT FOUND
GOTO ERR_S_CM;
        SELECT COUNT(*)
        INTO @NAMECOUNT
        FROM TPCC_SCHEMA.CUSTOMER
        WHERE C_LAST = #C_LAST
              AND C_W_ID = #W_ID
              AND C_D_ID = #D_ID;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        IF @NAMECOUNT > 0 THEN
            WHENEVER SQLERROR
GOTO ERR_S_CM;
        WHENEVER NOT FOUND
GOTO ERR_S_CM;
        OPEN COCS;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        SET @J = @NAMECOUNT + 1;
        SET @J = @J / 2;
        SET @I = 0 ;
        NAMECNT:LOOP
            IF @I = @J THEN
                LEAVE NAMECNT ;
            END IF;
            SET @I = @I + 1 ;
            WHENEVER SQLERROR
GOTO ERR_S_CM;
        WHENEVER NOT FOUND
GOTO ERR_S_CM;
        FETCH COCS
        INTO #C_ID,
            #C_FIRST,
            #C_MIDDLE,
            #C_LAST,
            #C_BALANCE;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        END LOOP NAMECNT;
        CLOSE COCS;
        ELSE
            GOTO ERR_S_CM_NAME ;
        END IF;

        ELSE
            -- Customer id Payment Transaction
            -- (2) CUSTOMER table select
            WHENEVER SQLERROR
GOTO ERR_S_CM;
        WHENEVER NOT FOUND
GOTO ERR_S_CM;
        SELECT
        C_FIRST,C_MIDDLE,C_LAST,C_BALANCE
        INTO #C_FIRST,
            #C_MIDDLE,
            #C_LAST,
            #C_BALANCE
        FROM TPCC_SCHEMA.CUSTOMER
        WHERE C_ID = #C_ID
              AND C_D_ID = #D_ID
              AND C_W_ID = #W_ID;
        WHENEVER NOT FOUND
CONTINUE;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        END IF;
        -- (3) ORDER table select get max o_id record
        WHENEVER SQLERROR
GOTO ERR_S_OR;
        WHENEVER NOT FOUND
GOTO ERR_S_OR;
        SELECT O_ID,
               O_ENTRY_D,
               O_CARRIER_ID,
               O_OL_CNT
        INTO #O_ID,
            #O_ENTRY_D,
            #O_CARRIER_ID,
            #O_OL_CNT
        FROM TPCC_SCHEMA.ORDERS
        WHERE O_ID = (SELECT MAX(O_ID)
                     FROM
TPCC_SCHEMA.ORDERS
                     WHERE O_W_ID = #W_ID
                           AND O_D_ID = #D_ID
                           AND O_C_ID = #C_ID )
              AND O_W_ID = #W_ID
              AND O_D_ID = #D_ID
              AND O_C_ID = #C_ID;
        WHENEVER SQLERROR
GOTO ERR_S_OL;
        WHENEVER NOT FOUND
GOTO ERR_S_OL;
        OPEN COOLS ;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        -- LOOP
        SET @OL_NUMBER = 1;
        OLCNT:LOOP
            IF #O_OL_CNT < @OL_NUMBER THEN
                LEAVE OLCNT ;
            END IF;

            -- (4) ORDER-LINE table select
            WHENEVER SQLERROR
GOTO ERR_S_OL;
        WHENEVER NOT FOUND
GOTO ERR_S_OL;
        FETCH COOLS
        INTO @OL_I_ID,
            @OL_SUPPLY_W_ID,
            @OL_DELIVERY_D,
            @OL_QUANTITY,
            @OL_AMOUNT;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        IF @OL_DELIVERY_D IS NULL THEN
            SET @WORK = CAST(@OL_I_ID AS
CHAR(7))
                || CAST(@OL_AMOUNT AS
CHAR(8))
                || CAST(@OL_SUPPLY_W_ID AS
CHAR(4))
    
```

```

CHAR(4)          || CAST(@OL_QUANTITY AS --/** 1997/03/13 Revision3.3 : Any Error(Clause
                || DELIVERY_D || 2.3.6) **/
SAPSTOP ;      --
ELSE          /******
SET @WORK = CAST(@OL_I_ID AS EXEC SQL
CHAR(7))      || CAST(@OL_AMOUNT AS CREATE PROCEDURE
CHAR(8))      || CAST(@OL_SUPPLY_W_ID AS TPCC_SCHEMA.Y_PAYMENT_H10_OUT4(OUT
CHAR(4))      || CAST(@OL_QUANTITY AS INOUT #ERRPOS
CHAR(4))      || @OL_DELIVERY_D || INOUT #W_ID SMALLINT,
SAPSTOP ;      IN #D_ID SMALLINT,
END IF ;      INOUT #C_ID
                IN #C_D_ID
                IN #C_W_ID
                IN #H_AMOUNT
                IN #H_DATE
                INOUT #W_NAME
                OUT #W_STREET_1
                OUT #W_STREET_2
                OUT #W_CITY
                OUT #W_STATE
                OUT #W_ZIP
                INOUT #D_NAME
                OUT #D_STREET_1
                OUT #D_STREET_2
                OUT #D_CITY
                OUT #D_STATE
                OUT #D_ZIP CHAR(9),
                OUT #C_FIRST
                OUT #C_MIDDLE
                INOUT #C_LAST
                OUT #C_STREET_1
                OUT #C_STREET_2
                OUT #C_CITY
                OUT #C_STATE
                OUT #C_ZIP CHAR(9),
                OUT #C_PHONE
                INOUT #C_CREDIT
                OUT #C_CREDIT_LIM
                OUT #C_DISCOUNT
                OUT #C_BALANCE
                OUT #C_YTD_PAYMENT
                OUT #C_PAYMENT_CNT
                FROM TPCC_SCHEMA.CUSTOMER
                WHERE C_LAST = #C_LAST
                AND C_W_ID = #C_W_ID
                AND C_D_ID = #C_D_ID
                ORDER BY C_FIRST;
                IF #C_ID = 0 THEN
                -- Customer Last Name process
                -- (5) CUSTOMER table select
                WHENEVER SQLERROR
GOTO ERR_S_CM;
                WHENEVER NOT FOUND
GOTO ERR_S_CM;
                )
PAYMENT:BEGIN
-- DECLARE
    DECLARE @C_BALANCE
    DECIMAL(12,0); --98.11.06 +oza
    DECLARE @C_YTD_PAYMENT
    DECIMAL(12,0); --98.11.06 +oza
    -- DECLARE @C_DATA
    VARCHAR(500); --98.11.06 +oza
    DECLARE SQLSTATE CHAR(5)
    DEFAULT '00000';
    DECLARE @CNT INTEGER;
    DECLARE @NAMECOUNT INTEGER;
    DECLARE @W_YTD DECIMAL(12,0); --
    98.11.06
    DECLARE @D_YTD DECIMAL(12,0); --
    98.11.06
    DECLARE @C_DATA474 CHAR(474); --
    98.10.13 change
    DECLARE @H_DATA CHAR(24);
    DECLARE @H_AMOUNT DECIMAL(10,0);
    --98.11.06 +oza
-- CUSTOMER e[u J
    DECLARE CPCS CURSOR FOR
        SELECT C_ID,
            C_FIRST,
            C_MIDDLE,
            C_LAST,
            C_STREET_1,
            C_STREET_2,
            C_CITY,
            C_STATE,
            C_ZIP,
            C_PHONE,
            C_SINCE,
            C_CREDIT,
            C_CREDIT_LIM,
            C_DISCOUNT,
            C_BALANCE,
            C_YTD_PAYMENT,
            C_PAYMENT_CNT
        FROM TPCC_SCHEMA.CUSTOMER
        WHERE C_LAST = #C_LAST
        AND C_W_ID = #C_W_ID
        AND C_D_ID = #C_D_ID
        ORDER BY C_FIRST;

```

**File: Y\_PAYMENT\_cent.h10.out.4**

```

--/*****STORED
PROCEDURE*****
--/** Y_PAYMENT COPYRIGHT FUJITSU LIMITED
1997 **/
--/** : **/
--/** : **/
--/** l: SymfoWARE RDB TPC-C Benchmark
**/
--/** @ \: Payment **/
--/** : 1996/10/12 **/

```

```

SELECT COUNT(*) INTO @NAMECOUNT
FROM TPCC_SCHEMA.CUSTOMER
WHERE C_LAST = #C_LAST
AND C_W_ID = #C_W_ID
AND C_D_ID = #C_D_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- (6) CUSTOMER e[u i j A
-- Customer Last Name v R[h
C_FIRST A
-- NAMECOUNT/Q R[h o
IF @NAMECOUNT > 0 THEN
SET @CNT = @NAMECOUNT + 1;
SET @CNT = @CNT / 2;
SET @NAMECOUNT = @CNT ;
WHENEVER SQLERROR
GOTO ERR_S_CM;
WHENEVER NOT FOUND
GOTO ERR_S_CM;
OPEN CPCS;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
SET @CNT = 0;
WHILE @CNT < @NAMECOUNT DO
SET @CNT = @CNT + 1;
-- (6) CUSTOMER table
WHENEVER SQLERROR
GOTO ERR_S_CM;
WHENEVER NOT FOUND
GOTO ERR_S_CM;
FETCH CPCS
INTO #C_ID,
#C_FIRST,
#C_MIDDLE,
#C_LAST,
#C_STREET_1,
#C_STREET_2,
#C_CITY,
#C_STATE,
#C_ZIP,
#C_PHONE,
#C_SINCE,
#C_CREDIT,
#C_CREDIT_LIM,
#C_DISCOUNT,
@C_BALANCE,
@C_YTD_PAYMENT,
#C_PAYMENT_CNT;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
END WHILE;
CLOSE CPCS;
ELSE
GOTO ERR_S_CM_NAME;
END IF;
ELSE
-- C-ID PROCESS
-- (7) CUSTOMER table
WHENEVER SQLERROR
GOTO ERR_S_CM;

```

```

WHENEVER NOT FOUND
GOTO ERR_S_CM;
SELECT C_FIRST,
C_MIDDLE,
C_LAST,
C_STREET_1,
C_STREET_2,
C_CITY,
C_STATE,
C_ZIP,
C_PHONE,
C_SINCE,
C_CREDIT,
C_CREDIT_LIM,
C_DISCOUNT,
C_BALANCE,
C_YTD_PAYMENT,
C_PAYMENT_CNT
INTO #C_FIRST,
#C_MIDDLE,
#C_LAST,
#C_STREET_1,
#C_STREET_2,
#C_CITY,
#C_STATE,
#C_ZIP,
#C_PHONE,
#C_SINCE,
#C_CREDIT,
#C_CREDIT_LIM,
#C_DISCOUNT,
@C_BALANCE,
@C_YTD_PAYMENT,
#C_PAYMENT_CNT
FROM TPCC_SCHEMA.CUSTOMER
WHERE C_W_ID = #C_W_ID
AND C_D_ID = #C_D_ID
AND C_ID = #C_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
END IF;
-- Z
SET @H_AMOUNT = #H_AMOUNT ;
-- Customer z i#C_BALANCE j X V
-- Customer z l i#C_YTD_PAYMENT j X
V
-- Customer l i#C_PAYMENT_CNT j X
V
SET @C_BALANCE = @C_BALANCE -
@H_AMOUNT ;
SET @C_YTD_PAYMENT =
@C_YTD_PAYMENT + @H_AMOUNT ;
SET #C_PAYMENT_CNT = #C_PAYMENT_CNT
+ 1 ;
--(8) HISTORY table insert
IF #C_CREDIT = 'BC' THEN
*****
-- Bad Customer
*****
-- (8)BC-1 CUSTOMER table select
WHENEVER SQLERROR
GOTO ERR_S_CM;

```

```

WHENEVER NOT FOUND
GOTO ERR_S_CM;
SELECT C_DATA
INTO @C_DATA474
FROM TPCC_SCHEMA.CUSTOMER
WHERE C_ID = #C_ID
AND C_D_ID = #C_D_ID
AND C_W_ID = #C_W_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
-- (8)BC-2 V c_data
SET #C_DATA = CAST(#C_ID AS
CHAR(5))
|| CAST(#C_D_ID AS CHAR(2))
|| CAST(#C_W_ID AS CHAR(4)) -
-98.10.13 change
|| CAST(#D_ID AS CHAR(2))
|| CAST(#W_ID AS CHAR(4)) --
98.10.13 change
|| CAST(#H_AMOUNT AS CHAR(7))
|| ' '
|| @C_DATA474;
-- (8) BC-3 CUSTOMER table update
WHENEVER SQLERROR
GOTO ERR_U_CM;
WHENEVER NOT FOUND
GOTO ERR_U_CM;
UPDATE TPCC_SCHEMA.CUSTOMER
SET C_BALANCE = @C_BALANCE,
C_YTD_PAYMENT =
@C_YTD_PAYMENT,
C_PAYMENT_CNT =
#C_PAYMENT_CNT,
C_DATA = #C_DATA
WHERE C_ID = #C_ID
AND C_D_ID = #C_D_ID
AND C_W_ID = #C_W_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
ELSE
*****
-- Good Customer
*****
-- (8)GC-1 CUSTOMER table update
WHENEVER SQLERROR
GOTO ERR_U_CM;
WHENEVER NOT FOUND
GOTO ERR_U_CM;
UPDATE TPCC_SCHEMA.CUSTOMER
SET C_BALANCE = @C_BALANCE,
C_YTD_PAYMENT =
@C_YTD_PAYMENT,
C_PAYMENT_CNT =
#C_PAYMENT_CNT
WHERE C_ID = #C_ID
AND C_D_ID = #C_D_ID
AND C_W_ID = #C_W_ID;
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
END IF;

```

```

-- (3) DISTRICT table select
WHERE W_ID = #W_ID;
WHENEVER SQLERROR
WHENEVER SQLERROR
GOTO ERR_S_DI;
CONTINUE;
WHENEVER NOT FOUND
-- (9) HISTORY e[u ] R[h#H_DATA]
GOTO ERR_S_DI;
-- HISTORY e[u P R[h]
SELECT D_NAME,
D_STREET_1,
D_STREET_2,
D_CITY,
D_STATE,
D_ZIP,
D_YTD
SET @H_DATA = #W_NAME || ' ' ||
#D_NAME;
WHENEVER SQLERROR
GOTO ERR_I_HI;
WHENEVER NOT FOUND
GOTO ERR_I_HI;
WHENEVER NOT FOUND
INSERT
INTO TPCC_SCHEMA.HISTORY
(H_C_ID,
H_C_D_ID,
H_C_W_ID,
H_D_ID,
H_W_ID,
H_DATE,
H_AMOUNT,
H_DATA)
VALUES (#C_ID,
#C_D_ID,
#C_W_ID,
#D_ID,
#W_ID,
#H_DATE,
#H_AMOUNT,
#H_DATA);
WHENEVER SQLERROR
CONTINUE;
WHENEVER NOT FOUND
CONTINUE;
SET #C_BALANCE = @C_BALANCE;
SET #C_YTD_PAYMENT =
@C_YTD_PAYMENT;
-- SET #C_DATA = @C_DATA;
COMMIT WORK ;
SET #STATE = '00000';
LEAVE PAYMENT ;
--SQLERR:NOT_FOUND:
ERR_I_HI:
SET #ERRPOS = 106 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_S_WH:
SET #ERRPOS = 202 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_S_DI:
SET #ERRPOS = 203 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_S_CM_NAME:
SET #ERRPOS = 205 ;
SET #STATE = '02000';
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_S_CM:
SET #ERRPOS = 205 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_U_WH:
SET #ERRPOS = 302 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_U_DI:
SET #ERRPOS = 303 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
LEAVE PAYMENT ;
ERR_U_CM:
SET #ERRPOS = 305 ;
SET #STATE = SQLSTATE;
ROLLBACK WORK ;
END PAYMENT
END-EXEC;
File: Y_STOCKLV_pgsr
--/*****STORED
PROCEDURE*****/
--/** Y_STOCKLV COPYRIGHT FUJITSU LIMITED
1997 **/
--/** : **/
--/** : **/
--/** I: SymfoWARE RDB TPC-C Benchmark
**/
--/** @\: StockLevel **/
--/** : 1996/10/12 **/
--/** 1997/03/13 Revision3.3 : Any Error(Clause
2.3.6) **/
--
/*****
*****/
EXEC SQL
CREATE PROCEDURE
TPCC_SCHEMA.Y_STOCKLV(OUT #STATE
CHAR(5),
INOUT #ERRPOS
INTEGER,
IN #W_ID
SMALLINT,
IN #D_ID
SMALLINT,
IN #THRESHOLD
INTEGER,
INOUT #LOW_STOCK
INTEGER)
STOCK_LEVEL:BEGIN
-- DECLARE
DECLARE SQLSTATE CHAR(5)
DEFAULT '00000';
DECLARE @O_ID INTEGER;
DECLARE @TMP_O_ID INTEGER;
DECLARE @T02 INTEGER;
DECLARE @T03 INTEGER;
DECLARE @T04 INTEGER;
DECLARE @T05 INTEGER;
DECLARE @T06 INTEGER;
DECLARE @T07 INTEGER;
DECLARE @T08 INTEGER;
DECLARE @T09 INTEGER;
DECLARE @T10 INTEGER;
DECLARE @T11 INTEGER;

```

```

DECLARE @T12    INTEGER;
DECLARE @T13    INTEGER;
DECLARE @T14    INTEGER;
DECLARE @T15    INTEGER;
DECLARE @T16    INTEGER;
DECLARE @T17    INTEGER;
DECLARE @T18    INTEGER;
DECLARE @T19    INTEGER;

-- (1) DISTRICT table select
        WHENEVER SQLERROR
GOTO ERR_S_DI;
        WHENEVER NOT FOUND
GOTO ERR_S_DI;
        SELECT D_NEXT_O_ID
        INTO @O_ID
        FROM TPCC_SCHEMA.DISTRICT
        WHERE D_W_ID = #W_ID
        AND D_ID = #D_ID;
        WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
-- (2) ORDERLINE table select
-- (3) STOCK table select and count ITEM

SET #LOW_STOCK = 0;
SET @TMP_O_ID = @O_ID - 20;
SET @O_ID = @O_ID - 1;
SET @T19 = @O_ID - 1;
SET @T18 = @T19 - 1;
SET @T17 = @T18 - 1;
SET @T16 = @T17 - 1;
SET @T15 = @T16 - 1;
SET @T14 = @T15 - 1;
SET @T13 = @T14 - 1;
SET @T12 = @T13 - 1;
SET @T11 = @T12 - 1;
SET @T10 = @T11 - 1;
SET @T09 = @T10 - 1;
SET @T08 = @T09 - 1;
SET @T07 = @T08 - 1;
SET @T06 = @T07 - 1;
SET @T05 = @T06 - 1;
SET @T04 = @T05 - 1;
SET @T03 = @T04 - 1;
SET @T02 = @T03 - 1;

        WHENEVER SQLERROR
GOTO ERR_S_STOL;
        WHENEVER NOT FOUND
GOTO ERR_S_STOL;
        SELECT COUNT(DISTINCT S_I_ID)
        INTO #LOW_STOCK
        FROM TPCC_SCHEMA.ORDERLINE,
        TPCC_SCHEMA.STOCK
        WHERE OL_W_ID = #W_ID
        AND OL_D_ID = #D_ID
        AND OL_O_ID
        IN(@TMP_O_ID,
        @T02,@T03,@T04,@T05,@T06,@
T07,@T08,@T09,@T10,
        @T11,@T12,@T13,@T14,@T15,@T1
6,@T17,@T18,@T19,
        @O_ID)
        AND OL_NUMBER
IN(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15)
--$
--$      AND OL_O_ID
--$      BETWEEN @TMP_O_ID
--$      AND @O_ID
--$      AND S_I_ID = OL_I_ID
--$      AND S_W_ID = #W_ID
--$      AND S_QUANTITY < #THRESHOLD ;
--$      WHENEVER SQLERROR
CONTINUE;
        WHENEVER NOT FOUND
CONTINUE;
        COMMIT WORK ;
        SET #STATE = '00000' ;
        LEAVE STOCK_LEVEL ;

--SQLERR:NOT_FOUND
ERR_S_DI:
        SET #ERRPOS = 203 ;
        SET #STATE = SQLSTATE;
        ROLLBACK WORK ;
        LEAVE STOCK_LEVEL ;

ERR_S_STOL:
        SET #ERRPOS = 248 ;
        SET #STATE = SQLSTATE;
        ROLLBACK WORK ;

END STOCK_LEVEL
END-EXEC;

File: Y_stored-990712.bat

rdbddlex -d TPCC -x Y_ORDERSTAT_pgsr
rdbddlex -d TPCC -x Y_DELIVERY_pgsr
rdbddlex -d TPCC -x Y_STOCKLV_pgsr
rdbddlex -d TPCC -x Y_PAYMENT_cent.h10.out.4
rdbddlex -d TPCC -x Y_norder5

```



# Appendix C: RTE Scripts

## File: tpcc

```
#!/usr/bin/sh

sh rmlog

date
date > connect_time

#nawk -f val.awk ../data/t > ../data/tpcC.t.edt
echo "exec psinit"

./psinit -f ../data/t -t 1 -X # up-date point

echo "psinit end"
date >> connect_time
date
```

## File: tpcc.conf

```
#
# tpcC.conf : configuration file for TPC-C
#
#

STARTGROUP = sync , 1
STARTRTE
    RTEHOST = rte04
    STARTSUT
        SUTHOST = cl14a,345
        SUTLOGIN = oracle
        SUTPASSWD = oracle
        SUTCMD = Tc
    ENDSUT
    ENDRTE
#   STRCMD = tpcCstartCmdSH
#   TSCOM = tpcCtscomSH
#   TECOM = tpcCtecomSH
    LOGOUT = NONE
    LOGMODE = ALL
    LOGCOMMENT= COMOFF
    LOGFILE = tpcC.log
    SIMFILE = ../data/tpcc.pps
    PROTCOL = telnet,80
#WAREHOUSE SCALE
    VAL = U11 = 2160
#RAMP-UP TIME
    VAL = U21 = 0
#MEASUREMENT TIME
    VAL = U31 = 4200
#RAMP-DOWN TIME
    VAL = U41 = 0
#NEW THINKTIME (msec)
    VAL = U51 = 12040
#PAY THINKTIME (msec)
    VAL = U61 = 12040
#
    VAL = U71 = 0
    VAL = U81 = 0
    VAL = U91 = 0
```

```
#
#ORD THINKTIME (msec)
    VAL = U101 = 10190
#DEL THINKTIME (msec)
    VAL = U111 = 5040
#STK THINKTIME (msec)
    VAL = U121 = 5040
#NURAND CONSTANT c_id
    VAL = U131 = 777
#NURAND CONSTANT c_last
    VAL = U141 = 111
#NURAND CONSTANT ol_i_id
    VAL = U151 = 3562
#MSG OFF:0, Each Term:1, Field:2
    VAL = U161 = 0
#NEW KEYING-TIME (msec)
    VAL = U171 = 18100
#PAY KEYING-TIME (msec)
    VAL = U181 = 3050
#ORD KEYING-TIME (msec)
    VAL = U191 = 2050
#DEL KEYING-TIME (msec)
    VAL = U201 = 2050
#STK KEYING-TIME (msec)
    VAL = U211 = 2050
ENDGROUP
```





# Appendix D: System Tunables

File: Client14.reg

REGEDIT4

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\ADJUST]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\ADJUST\Adjust]  
"insdir"="C:\ADJUST\  
"ver"="V2.1L30"  
"JefConvTbl"=dword:00000000

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\ADJUST\CONVERT TYPE]  
"EUC TYPE"="U90"  
"JEF"="JEFAUG"  
"JIS"="JISKANA"  
"S-JISTYPE"="R90"  
"UDEFTL"="USE"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\ADJUST\OFFSET]  
"JEFOFFSET"=""  
"S-EUCOFFSET"=""  
"S-JISOFFSET"=""

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\ADJUST\W2.1]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\Install]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\Install\ADJUST]  
"Directory"="C:\ADJUST\  
"VersionLevel"="V2.1L30"  
"LogFileLink"="C:\ADJUST\UnlnAdj.log"  
"Install\_Date"=hex:94,1b,01,85,7f,15,59,17,19,1c,04,1f,0d,69,29,b5,df,99,47,83,\31,8a,11,29,7d,99,17,0c,1e,53,1a,25,1e,67,d4,c0,f4,7d,c2,25,14,80,1a,0f,5b,\ab,5d,bd

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\Install\ADJUST\Parent Product]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\Install\ADJUST\Parent Product\ADJUST]  
"IconGroup"="ADJUST"  
"IconList"=" O A g;  
W ; ; ;:ICONV ; "

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion]  
"Client"="C:\SFWCLNT\ESQL"  
"InstallPath"="C:\SFWCLNT\ESQL"  
"Lang"="japanese"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup]  
"Current"="Client"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup\CLIENT]  
"SrcPath"="E:\11L30E\NTCL"  
"RegisteredOwner"="tpc"  
"RegisteredOrganization"="x m"  
"DesPath"="C:\SFWCLNT"  
"DataPath"="C:\SFWD"  
"ScriptFile"="DUMMY"  
"LogFile"=""  
"InstalledDateTime"="1999/03/25 08:40:02"  
"Language"="Japanese"  
"Server"=dword:00000000  
"Enterprise"=dword:00000000  
"Version"=hex:00,20,01,01,00,00,00,00  
"RELATION"="ESQLR,OLE"  
"Installed"="RELATION"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService\CurrentVersion]  
"CurrentProduct"="SymfoWARE"  
"Path"="C:\SFWCLNT\MEDIA"  
"Version"=dword:000f6da1

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService\CurrentVersion\SymfoWARE]  
"Path"="C:\SFWCLNT\MEDIA"  
"Version"=dword:000f6da1

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Fujitsu\PC-C ISAPI Application]  
"Term\_Base"=dword:00000001  
"NumWarehouses"=dword:00000870  
"MaxUsers"=dword:00005460  
"MaxTerm of Client"=dword:0000102c  
"CONTROL\_Flag"=dword:00000001

REGEDIT4

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]  
"BandwidthLevel"=dword:ffffff  
"ListenBackLog"=dword:00000019  
"MemoryCacheSize"=dword:00000000  
"ObjectCacheTTL"=dword:ffffff  
"PoolThreadLimit"=dword:0000020d

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\Filter]

"FilterType"=dword:00000000  
"NumGrantSites"=dword:00000000  
"NumDenySites"=dword:00000000

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\MimeMap]

"text/html,html,h"=""  
"image/gif,gif,g"=""  
"image/jpeg,jpg,,"=""  
"text/plain,txt,0"=""  
"text/html,html,h"=""  
"image/jpeg,jpeg,,"=""  
"image/jpeg,jpe,,"=""  
"image/bmp,bmp,,"=""  
"application/octet-stream,\*,,5"=""  
"application/pdf,pdf,5"=""  
"application/octet-stream,bin,5"=""  
"application/oda,oda,5"=""  
"application/zip,zip,9"=""  
"application/rtf,rtf,5"=""  
"application/postscript,ps,5"=""  
"application/postscript,ai,5"=""  
"application/postscript,eps,5"=""  
"application/mac-binhex40,hqx,4"=""  
"application/msword,doc,5"=""  
"application/msword,dot,5"=""  
"application/winhelp,help,5"=""  
"video/mpeg,mpeg,,"=""  
"video/mpeg,mpg,,"=""  
"video/mpeg,mpe,,"=""  
"video/x-msvideo,avi,<"=""  
"video/quicktime,qt,,"=""  
"video/quicktime,mov,,"=""  
"video/x-sgi-movie,movie,,"<"=""  
"x-world/x-vrml,wrl,5"=""  
"x-world/x-vrml,xaf,5"=""  
"x-world/x-vrml,xof,5"=""  
"x-world/x-vrml,flr,5"=""  
"x-world/x-vrml,wrz,5"=""  
"application/x-director,dcr,5"=""  
"application/x-director,dir,5"=""  
"application/x-director,dxr,5"=""  
"image/cis-cod,cod,5"=""  
"image/x-cmx,cmx,5"=""  
"application/envoy,evy,5"=""  
"application/x-msaccess,mdb,5"=""  
"application/x-mscardfile,crd,5"=""  
"application/x-msclip,clip,5"=""  
"application/octet-stream,exe,5"=""  
"application/x-msexcel,xla,5"=""  
"application/x-msexcel,xlc,5"=""  
"application/x-msexcel,xlm,5"=""  
"application/x-msexcel,xls,5"=""  
"application/x-msexcel,xlt,5"=""  
"application/x-msexcel,xlw,5"=""  
"application/x-msmediaview,m13,5"=""  
"application/x-msmediaview,m14,5"=""  
"application/x-msmoney,mny,5"=""  
"application/x-mspowerpoint,ppt,5"=""  
"application/x-msproject,mpp,5"=""  
"application/x-mspublisher,pub,5"=""  
"application/x-msterminal,rm,5"=""  
"application/x-msworks,wks,5"=""  
"application/x-mswrite,wri,5"=""  
"application/x-msmetafile,wmf,5"=""  
"application/x-csh,csh,5"=""  
"application/x-dvi,dvi,5"=""  
"application/x-hdf,hdf,5"=""

```
"application/x-latex,latex,,5"=""
"application/x-netcdf,nc,,5"=""
"application/x-netcdf,cdf,,5"=""
"application/x-sh,sh,,5"=""
"application/x-tcl,tcl,,5"=""
"application/x-tex,tex,,5"=""
"application/x-texinfo,texinfo,,5"=""
"application/x-texinfo,txi,,5"=""
"application/x-troff,t,,5"=""
"application/x-troff,tr,,5"=""
"application/x-troff,roff,,5"=""
"application/x-troff-man,man,,5"=""
"application/x-troff-me,me,,5"=""
"application/x-troff-ms,ms,,5"=""
"application/x-wais-source,src,,7"=""
"application/x-bcpio,bcpio,,5"=""
"application/x-cpio,cpio,,5"=""
"application/x-gtar,gtar,,9"=""
"application/x-shar,shar,,5"=""
"application/x-sv4cpio,sv4cpio,,5"=""
"application/x-sv4crc,sv4crc,,5"=""
"application/x-tar,tar,,5"=""
"application/x-ustar,ustar,,5"=""
"audio/basic,au,,<"=""
"audio/basic,snd,,<"=""
"audio/x-aiff,aiff,,<"=""
"audio/x-aiff,aifc,,<"=""
"audio/x-aiff,aifc,,<"=""
"audio/x-wav,wav,,<"=""
"audio/x-pn-realaudio,ram,,<"=""
"image/ief,ief,,:"=""
"image/tiff,tiff,,:"=""
"image/tiff,tif,,:"=""
"image/x-cmu-raster,ras,,:"=""
"image/x-portable-anymap,pnm,,:"=""
"image/x-portable-bitmap,pbm,,:"=""
"image/x-portable-graymap,pgm,,:"=""
"image/x-portable-pixmap,ppm,,:"=""
"image/x-rgb,rgb,,:"=""
"image/x-xbitmap,xbm,,:"=""
"image/x-xpixmap,xpm,,:"=""
"image/x-xwindowdump,xwd,,:"=""
"text/html,stm,,h"=""
"text/plain,bas,,0"=""
"text/plain,c,,0"=""
"text/plain,h,,0"=""
"text/richtext,rtx,,0"=""
"text/tab-separated-values,tsv,,0"=""
"text/x-setext,etx,,0"=""
"application/x-perfmon,pmc,,5"=""
"application/x-perfmon,pma,,5"=""
"application/x-perfmon,pmr,,5"=""
"application/x-perfmon,pml,,5"=""
"application/x-perfmon,pmw,,5"=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\inetInfo\Performance]
"Library"="infoctrs.DLL"
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:00000756
"Last Help"=dword:00000757
"First Counter"=dword:00000738
"First Help"=dword:00000739
```

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,5
3,79,73,74,65,6d,33,32,5c,69,6e,\
65,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,
78,65,00
"DisplayName"="World Wide Web Publishing
Service"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,
54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\HTMLA]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters]
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"AdminName"="Administrator"
"AdminEmail"="Admin@corp.com"
"MaxConnections"=dword:000186a0
"LogType"=dword:00000000
"LogFileDirectory"=hex(2):43,3a,5c,54,45,4d,50,5c,
69,6e,65,74,6c,6f,67,2e,74,\
78,74,00
"LogFileTruncateSize"=dword:ffffff
"LogFilePeriod"=dword:00000000
"LogFileFormat"=dword:00000000
"LogSqlDataSource"="HTTPLOG"
"LogSqlTableName"="Internetlog"
"LogSqlUserName"="InternetAdmin"
"LogSqlPassword"="sqllog"
"Authorization"=dword:00000005
"AnonymousUserName"="IUSR_NTCL14"
"Default Load File"="Default.htm"
"Dir Browse Control"=dword:4000001e
"CheckForWAISDB"=dword:00000000
"CacheExtensions"=dword:00000001
"GlobalExpire"=dword:ffffff
"ServerSideIncludesEnabled"=dword:00000001
"ServerSideIncludesExtension"=".stm"
"DebugFlags"=dword:00000008
"ScriptTimeout"=dword:00000384
"ConnectionTimeout"=dword:00000384
"InstallPath"="C:\WINNT\System32\inetstrv"
"SecurePort"=dword:000001bb
"Filter
DLLs"="C:\WINNT\System32\inetstrv\sspifilt.dll"
"AccessDeniedMessage"=" : B"
"NTAuthenticationProviders"="NTLM"
"ServerComment"=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters\Script Map]
".idc"="C:\WINNT\System32\inetstrv\httpodbc.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters\Virtual Roots]
"/"="C:\inetPub\wwwroot,,1"
"/tpcg"="C:\client\tpapl4\Release,,5"
"/tpc"="C:\client\tpaplFMLK\Release,,5"
"/Scripts"="C:\inetPub\scripts,,4"
```

```
"/iisadmin"="C:\WINNT\System32\inetstrv\iisad
min,,1"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Performance]
"Library"="w3ctrs.DLL"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:00000790
"Last Help"=dword:00000791
"First Counter"=dword:00000758
"First Help"=dword:00000759
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,cc,00,00,
00,14,00,00,00,34,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,
01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,
18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,00,a6,14,00,00,01,c,
00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,0,
0,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,02,00,00,0,
0,00,00,00,00,00,01,c,00,0f,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,
00,00,00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,05,12,00,00,
00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,0,
5,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\W3SAMP]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

**File: Client15.reg**

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\Adjust]
"insdir"="C:\ADJUST\I"
"ver"="V2.1L30"
"JefConvTbl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\CONVERT TYPE]
"EUCTYPE"="U90"
"JEF"="JEFAUG"
"JIS"="JISKANA"
"S-JISTYPE"="R90"
"UDEFCTL"="USE"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\OFFSET]
"JEFOFFSET"=""
"S-EUCOFFSET"=""
"S-JISOFFSET"=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\V2.1]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST]
"Directory"="C:\ADJUST\"
"VersionLevel"="V2.1L30"
"LogFileLink"="C:\ADJUST\UnInAdj.log"
"Install_Date"=hex:85,be,14,04,50,b7,56,a4,58,b7,
09,b5,5c,42,2d,ac,55,3e,15,24,\
1d,b6,4a,3c,06,a0,3b,8e,4a,70,19,87,0b,e7,c1,60,
b0,75,c3,a7,11,80,0b,2f,0f,\
8b,5d,95
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST\Parent Product]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST\Parent Product\ADJUST]
"IconGroup"="ADJUST"
"IconList"=" O A g;
W ; ; ;ICNV ; "
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\ESQL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\ESQL\CurrentVersion]
"Client"="C:\SFWCLNT\ESQL"
"InstallPath"="C:\SFWCLNT\ESQL"
"Lang"="japanese"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\Setup]
"Current"="Client"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\Setup\CLIENT]
"SrcPath"="E:\V11L30E\NTCL"
"RegisteredOwner"="tpc"
"RegisteredOrganization"="fujitsu"
"DesPath"="C:\SFWCLNT"
"DataPath"="C:\SFWD"
"ScriptFile"="DUMMY"
"LogFile"=""
"InstalledDateTime"="1998/10/30 11:16:27"
"Language"="Japanese"
"Server"=dword:00000000
"Enterprise"=dword:00000000
"Version"=hex:00,20,01,01,00,00,00,00
"RELATION"="ESQLR,OLE"
"Installed"="RELATION"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE MediaService]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE MediaService\CurrentVersion]
"CurrentProduct"="SymfoWARE"
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE
MediaService\CurrentVersion\SymfoWARE]
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\T
PC-C ISAPI Application]
"Term_Base"=dword:00005245
"NumWarehouses"=dword:00000870
"MaxUsers"=dword:00005460
"MaxTerm of Client"=dword:0000021c
"CONTROL_Flag"=dword:00000001
```

#### REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\InetInfo]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\InetInfo\Parameters]
"BandwidthLevel"=dword:ffffff
"ListenBackLog"=dword:00000019
"PoolThreadLimit"=dword:0000020d
"MemoryCacheSize"=dword:00000000
"ObjectCacheTTL"=dword:ffffff
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\InetInfo\Parameters\Filter]
"FilterType"=dword:00000000
"NumGrantSites"=dword:00000000
"NumDenySites"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\InetInfo\Parameters\MimeMap]
"text/html,html,h"=""
"image/gif,gif,g"=""
"image/jpeg,jpg,,"=""
"text/plain,txt,0"=""
"text/html,html,h"=""
"image/jpeg,jpeg,,"=""
"image/jpeg,jpe,,"=""
"image/bmp,bmp,,"=""
"application/octet-stream,*,,5"=""
"application/pdf,pdf,,5"=""
"application/octet-stream,bin,,5"=""
"application/oda,oda,,5"=""
"application/zip,zip,,9"=""
"application/rtf,rtf,,5"=""
"application/postscript,ps,,5"=""
"application/postscript,ai,,5"=""
"application/postscript,eps,,5"=""
"application/mac-binhex40,hqx,,4"=""
"application/msword,doc,,5"=""
"application/msword,dot,,5"=""
"application/winhelp,hlp,,5"=""
"video/mpeg,mpeg,,"=""
"video/mpeg,mpg,,"=""
"video/mpeg,mpe,,"=""
"video/x-msvideo,avi,<,"=""
"video/quicktime,qt,,"=""
"video/quicktime,mov,,"=""
```

```
"video/x-sgi-movie,movie,<,"=""
"x-world/x-vrml,wrl,,5"=""
"x-world/x-vrml,xaf,,5"=""
"x-world/x-vrml,xof,,5"=""
"x-world/x-vrml,flr,,5"=""
"x-world/x-vrml,wrz,,5"=""
"application/x-director,dcr,,5"=""
"application/x-director,dir,,5"=""
"application/x-director,dxr,,5"=""
"image/cis-cod,cod,,5"=""
"image/x-cmx,cmx,,5"=""
"application/envoy,evy,,5"=""
"application/x-msaccess,mdb,,5"=""
"application/x-mscardfile,crd,,5"=""
"application/x-msclip,clip,,5"=""
"application/octet-stream,exe,,5"=""
"application/x-msexcel,xla,,5"=""
"application/x-msexcel,xlc,,5"=""
"application/x-msexcel,xlm,,5"=""
"application/x-msexcel,xls,,5"=""
"application/x-msexcel,xlt,,5"=""
"application/x-msexcel,xlw,,5"=""
"application/x-msmediaview,m13,,5"=""
"application/x-msmediaview,m14,,5"=""
"application/x-msmoney,mny,,5"=""
"application/x-mspowerpoint,ppt,,5"=""
"application/x-msproject,mpp,,5"=""
"application/x-mspublisher,pub,,5"=""
"application/x-msterminal,rm,,5"=""
"application/x-msworks,wks,,5"=""
"application/x-mswrite,wri,,5"=""
"application/x-msmetafile,wmf,,5"=""
"application/x-csh,csh,,5"=""
"application/x-dvi,dvi,,5"=""
"application/x-hdf,hdf,,5"=""
"application/x-latex,latex,,5"=""
"application/x-netcdf,nc,,5"=""
"application/x-netcdf,cdf,,5"=""
"application/x-sh,sh,,5"=""
"application/x-tcl,tcl,,5"=""
"application/x-tex,tex,,5"=""
"text/html,html,h"=""
"application/x-texinfo,texinfo,,5"=""
"application/x-texinfo,texi,,5"=""
"application/x-troff,t,,5"=""
"application/x-troff,tr,,5"=""
"application/x-troff,roff,,5"=""
"application/x-troff-man,man,,5"=""
"application/x-troff-me,me,,5"=""
"application/x-troff-ms,ms,,5"=""
"application/x-wais-source,src,,7"=""
"application/x-bcpio,bcpio,,5"=""
"application/x-cpio,cpio,,5"=""
"application/x-gtar,gtar,,9"=""
"application/x-shar,shar,,5"=""
"application/x-sv4cpio,sv4cpio,,5"=""
"application/x-sv4crc,sv4crc,,5"=""
"application/x-tar,tar,,5"=""
"application/x-ustar,ustar,,5"=""
"audio/basic,au,<,"=""
"audio/basic,snd,<,"=""
"audio/x-aiff,aif,<,"=""
"audio/x-aiff,aiff,<,"=""
"audio/x-aiff,aifc,<,"=""
"audio/x-wav,wav,<,"=""
"audio/x-pn-realaudio,ram,<,"=""
"image/ief,ief,,"=""
"image/tiff,tiff,,"=""
"image/tiff,tif,,"=""
```

```
"image/x-cmu-raster,ras,,"="
"image/x-portable-anymap,pnm,,"="
"image/x-portable-bitmap,pbm,,"="
"image/x-portable-graymap,pgm,,"="
"image/x-portable-pixmap,ppm,,"="
"image/x-rgb,rgb,,"="
"image/x-xbitmap,xbm,,"="
"image/x-xpixmap,xpm,,"="
"image/x-xwindowdump,xwd,,"="
"text/html,stm,,h"="
"text/plain,bas,,0"="
"text/plain,c,,0"="
"text/plain,h,,0"="
"text/richtext,rtx,,0"="
"text/tab-separated-values,tsv,,0"="
"text/x-setext,etx,,0"="
"application/x-perfmon,pmc,,5"="
"application/x-perfmon,pma,,5"="
"application/x-perfmon,pmr,,5"="
"application/x-perfmon,pml,,5"="
"application/x-perfmon,pmw,,5"="
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\InetInfo\Performance]
"Library"="infoctrs.DLL"
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:0000756
"Last Help"=dword:0000757
"First Counter"=dword:0000738
"First Help"=dword:0000739
```

#### REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):43,3a,5c,5f,49,4e,4e,54,5c,5
3,79,73,74,65,6d,33,32,5c,69,6e,\
65,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,
78,65,00
"DisplayName"="World Wide Web Publishing
Service"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,
54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\HTMLA]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters]
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"AdminName"="Administrator"
"AdminEmail"="Admin@corp.com"
"MaxConnections"=dword:000186a0
"LogType"=dword:00000000
"LogFileDirectory"=hex(2):25,53,79,73,74,65,6d,5
2,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4c,6f,67,46,69,6c,65,73,00
"LogFileTruncateSize"=dword:01400000
"LogFilePeriod"=dword:00000001
"LogFileFormat"=dword:00000000
```

```
"LogSqlDataSource"="HTTPLOG"
"LogSqlTableName"="Internetlog"
"LogSqlUserName"="InternetAdmin"
"LogSqlPassword"="sqllog"
"Authorization"=dword:00000005
"AnonymousUserName"="IUSR_NTCL15"
"Default Load File"="Default.htm"
"Dir Browse Control"=dword:4000001e
"CheckForWAISDB"=dword:00000000
"CacheExtensions"=dword:00000001
"GlobalExpire"=dword:ffffff
"ServerSideIncludesEnabled"=dword:00000001
"ServerSideIncludesExtension"=".stm"
"DebugFlags"=dword:00000008
"ScriptTimeout"=dword:00000384
"ConnectionTimeOut"=dword:00000384
"InstallPath"="C:\WINNT\System32\inetrv"
"SecurePort"=dword:000001bb
"Filter
DLLs"="C:\WINNT\System32\inetrv\sspfilt.dll"
"AccessDeniedMessage"=" : B"
"NTAuthenticationProviders"="NTLM"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters\Script Map]
".idc"="C:\WINNT\System32\inetrv\httpodbc.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters\Virtual Roots]
"/,"="C:\inetPub\wwwroot,,1"
"/tpc,"="C:\client\tpapf\MLK\Release,,5"
"/Scripts,"="C:\inetPub\scripts,,4"
"/iisadmin,"="C:\WINNT\System32\inetrv\iisad
min,,1"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Performance]
"Library"="w3ctrs.DLL"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:00000790
"Last Help"=dword:00000791
"First Counter"=dword:00000758
"First Help"=dword:00000759
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,00,00,
00,14,00,00,34,00,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,
01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,
18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,00,6d,00,63,00,00,01,c,
00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,23,02,00,00,69,00,61,0
0,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,20,02,00,00,6
9,00,61,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,
00,00,69,00,61,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,
00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,01,01,00,00,00,00,0
5,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\W3SAMP]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

#### File: Client16.reg

#### REGEDIT4

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\Adjust]
"insdir"="C:\ADJUST\I"
"ver"="V2.1L30"
"JefConvTbl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\CONVERT TYPE]
"EUCTYPE"="U90"
"JEF"="JEFAUG"
"JIS"="JISKANA"
"S-JISTYPE"="R90"
"UDEFCTL"="USE"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\OFFSET]
"JEFOFFSET"=""
"S-EUCOFFSET"=""
"S-JISOFFSET"=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\TV.2.1]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST]
"Directory"="C:\ADJUST\I"
"VersionLevel"="V2.1L30"
"LogFileLink"="C:\ADJUST\UnlnAdj.log"
"Install_Date"=hex:95,a2,7a,0f,0f,15,07,2e,1d,3f,5
c,b7,58,40,2d,86,45,b6,06,03,\
14,34,4e,34,12,82,2f,06,1e,78,1d,0f,4e,e5,91,e8,
a0,d5,c7,a5,00,a2,5e,87,4a,\
89,08,1d
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST\Parent Product]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST\Parent Product\ADJUST]
"IconGroup"="ADJUST"
"IconList"=" O A g;
W ; ; ;CONV ; "
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion]
"Client"="C:\SFWCLNT\ESQL"
"InstallPath"="C:\SFWCLNT\ESQL"
"Lang"="Japanese"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup]
"Current"="Client"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup\CLIENT]
"SrcPath"="E:\V11L30E\WNTCL"
"RegisteredOwner"="tpc"
"RegisteredOrganization"="fujitsu"
"DesPath"="C:\SFWCLNT"
"DataPath"="C:\SFWD"
"ScriptFile"="DUMMY"
"LogFile"=""
"InstalledDateTime"="1998/10/30 11:33:32"
"Language"="Japanese"
"Server"=dword:00000000
"Enterprise"=dword:00000000
"Version"=hex:00,20,01,01,00,00,00,00
"RELATION"="ESQLR,OLE"
"Installed"="RELATION"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService\CurrentVersion]
"CurrentProduct"="SymfoWARE"
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService\CurrentVersion\SymfoWARE]
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\TCP-C ISAPI Application]
"Term_Base"=dword:00002059
"NumWarehouses"=dword:00000870
"MaxUsers"=dword:00005460
"MaxTerm of Client"=dword:0000102c
"CONTROL_Flag"=dword:00000001
```

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]
"BandwidthLevel"=dword:ffffff
"ListenBackLog"=dword:00000019
"PoolThreadLimit"=dword:0000020d
"MemoryCacheSize"=dword:00000000
"ObjectCacheTTL"=dword:ffffff
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\Filter]
```

```
"FilterType"=dword:00000000
"NumGrantSites"=dword:00000000
"NumDenySites"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\MimeMap]
```

```
"text/html,html,h"=""
"image/gif,gif,g"=""
"image/jpeg,jpg,j"=""
"text/plain,txt,0"=""
"text/html,html,h"=""
"image/jpeg,jpeg,j"=""
"image/jpeg,jpe,j"=""
"image/bmp,bmp,b"=""
"application/octet-stream,*"=""
"application/pdf,pdf,5"=""
"application/octet-stream,bin,5"=""
"application/oda,oda,5"=""
"application/zip,zip,9"=""
"application/rtf,rtf,5"=""
"application/postscript,ps,5"=""
"application/postscript,ai,5"=""
"application/postscript,eps,5"=""
"application/mac-binhex40,hqx,4"=""
"application/msword,doc,5"=""
"application/msword,dot,5"=""
"application/winhelp,help,5"=""
"video/mpeg,mpeg,m"=""
"video/mpeg,mpg,m"=""
"video/mpeg,mpe,m"=""
"video/x-msvideo,avi,<"=""
"video/quicktime,qt,,"=""
"video/quicktime,mov,,"=""
"video/x-sgi-movie,movie,<"=""
"x-world/x-vrml,wrl,5"=""
"x-world/x-vrml,xaf,5"=""
"x-world/x-vrml,xof,5"=""
"x-world/x-vrml,flr,5"=""
"x-world/x-vrml,wrz,5"=""
"application/x-director,dcr,5"=""
"application/x-director,dir,5"=""
"application/x-director,dxr,5"=""
"image/cis-cod,cod,5"=""
"image/x-cmx,cmx,5"=""
"application/envoy,envy,5"=""
"application/x-msaccess,mdb,5"=""
"application/x-mscardfile,crd,5"=""
"application/x-msclip,clip,5"=""
"application/octet-stream,exe,5"=""
"application/x-msexcel,xla,5"=""
"application/x-msexcel,xlc,5"=""
"application/x-msexcel,xlm,5"=""
"application/x-msexcel,xls,5"=""
"application/x-msexcel,xlt,5"=""
"application/x-msexcel,xlw,5"=""
"application/x-msmediaview,m13,5"=""
"application/x-msmediaview,m14,5"=""
"application/x-msmoney,mny,5"=""
"application/x-mspowerpoint,ppt,5"=""
"application/x-msproject,mpp,5"=""
"application/x-mspublisher,pub,5"=""
"application/x-msterial,tm,5"=""
"application/x-msworks,wks,5"=""
"application/x-mswrite,wri,5"=""
"application/x-msmetafile,wmf,5"=""
"application/x-csh,csh,5"=""
"application/x-dvi,dvi,5"=""
"application/x-hdf,hdf,5"=""
```

```
"application/x-latex,latex,5"=""
"application/x-netcdf,nc,5"=""
"application/x-netcdf,cdf,5"=""
"application/x-sh,sh,5"=""
"application/x-tcl,tcl,5"=""
"application/x-tex,tex,5"=""
"application/x-texinfo,texinfo,5"=""
"application/x-texinfo,texi,5"=""
"application/x-troff,t,5"=""
"application/x-troff,tr,5"=""
"application/x-troff,roff,5"=""
"application/x-troff-man,man,5"=""
"application/x-troff-me,me,5"=""
"application/x-troff-ms,ms,5"=""
"application/x-wais-source,src,7"=""
"application/x-bcpio,bcpio,5"=""
"application/x-cpio,cpio,5"=""
"application/x-gtar,gtar,9"=""
"application/x-shar,shar,5"=""
"application/x-sv4cpio,sv4cpio,5"=""
"application/x-sv4crc,sv4crc,5"=""
"application/x-tar,tar,5"=""
"application/x-ustar,ustar,5"=""
"audio/basic,au,<"=""
"audio/basic,snd,<"=""
"audio/x-aiff,aif,<"=""
"audio/x-aiff,aiff,<"=""
"audio/x-aiff,aifc,<"=""
"audio/x-wav,wav,<"=""
"audio/x-pn-realaudio,ram,<"=""
"image/ief,ief,,"=""
"image/tiff,tiff,,"=""
"image/tiff,tif,,"=""
"image/x-cmu-raster,ras,,"=""
"image/x-portable-anymap,pnm,,"=""
"image/x-portable-bitmap,pbm,,"=""
"image/x-portable-graymap,pgm,,"=""
"image/x-portable-pixmap,ppm,,"=""
"image/x-rgb,rgb,,"=""
"image/x-xbitmap,xbm,,"=""
"image/x-xpixmap,xpm,,"=""
"image/x-xwindowdump,xwd,,"=""
"text/html,stm,h"=""
"text/plain,bas,0"=""
"text/plain,c,0"=""
"text/plain,h,0"=""
"text/richtext,rtx,0"=""
"text/tab-separated-values,tsv,0"=""
"text/x-setext,etx,0"=""
"application/x-perfmon,pmc,5"=""
"application/x-perfmon,pma,5"=""
"application/x-perfmon,pmr,5"=""
"application/x-perfmon,pml,5"=""
"application/x-perfmon,pmw,5"=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Performance]
```

```
"Library"="infoctrs.DLL"
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:00000756
"Last Help"=dword:00000757
"First Counter"=dword:00000738
"First Help"=dword:00000739
```

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,69,6e,\
65,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,78,65,00
"DisplayName"="World Wide Web Publishing Service"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\IHTMIA]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters]
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"AdminName"="Administrator"
"AdminEmail"="Admin@corp.com"
"MaxConnections"=dword:000186a0
"LogType"=dword:00000000
"LogFileDirectory"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4c,6f,67,46,69,6c,65,73,00
"LogFileTruncateSize"=dword:01400000
"LogFilePeriod"=dword:00000001
"LogFileFormat"=dword:00000000
"LogSqlDataSource"="HTTPLOG"
"LogSqlTableName"="Internetlog"
"LogSqlUserName"="InternetAdmin"
"LogSqlPassword"="sqllog"
"Authorization"=dword:00000005
"AnonymousUserName"="IUSR_NTCL16"
"Default Load File"="Default.htm"
"Dir Browse Control"=dword:4000001e
"CheckForWAISDB"=dword:00000000
"CacheExtensions"=dword:00000001
"GlobalExpire"=dword:ffffff
"ServerSideIncludesEnabled"=dword:00000001
"ServerSideIncludesExtension"=".stm"
"DebugFlags"=dword:00000008
"ScriptTimeout"=dword:00000384
"ConnectionTimeout"=dword:00000384
"InstallPath"="C:\WINNT\System32\inet\svr"
"SecurePort"=dword:000001bb
"Filter
DLLs"="C:\WINNT\System32\inet\svr\lsspifilt.dll"
"AccessDeniedMessage"=" : B"
"NTAuthenticationProviders"="NTLM"
"CreateProcessWithNewConsole"=dword:00000000
1
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Script Map]
".idc"="C:\WINNT\System32\inet\svr\httpodbcc.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Virtual Roots]
"/,"="C:\inet\pub\wwwroot,,1"
"/tpc,"="C:\client\tpap\FMLK\Release,,5"
"/Scripts,"="C:\inet\pub\scripts,,4"
```

```
"/iisadmin,"="C:\WINNT\System32\inet\svr\iisadmin,,1"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Performance]
"Library"="w3ctrs.DLL"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:00000790
"Last Help"=dword:00000791
"First Counter"=dword:00000758
"First Help"=dword:00000759
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,cc,00,00,00,14,00,00,00,34,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,6d,00,63,00,00,01,c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,69,00,61,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,69,00,61,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,69,00,61,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,01,01,00,00,00,00,00,5,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\W3SAMP]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

#### File: Client17.reg

```
REGEDIT4
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\Adjust]
"insdir"="C:\ADJUST\\"
"ver"="V2.1L30"
"JefConvTbl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\CONVERT TYPE]
"EUCTYPE"="U90"
"JEF"="JEFAUG"
"JIS"="JISKANA"
"S-JISTYPE"="R90"
"UDEFCTL"="USE"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\OFFSET]
"JEFOFFSET"=""
"S-EUCOFFSET"=""
"S-JISOFFSET"=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\V2.1]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal\ADJUST]
"Directory"="C:\ADJUST\\"
"VersionLevel"="V2.1L30"
"LogFileLink"="C:\ADJUST\UnlnAdj.log"
"Install_Date"=hex:d4,06,35,1c,65,bd,03,0c,08,35,4d,97,58,68,6c,84,50,a4,74,14,\
1c,94,4e,b6,03,88,3e,ac,4e,f2,09,07,4f,ef,91,68,f0,5d,d2,07,51,22,5a,87,5a,\
23,09,b5
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal\ADJUST\Parent Product]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal\ADJUST\Parent Product\ADJUST]
"IconGroup"="ADJUST"
"IconList"=" O A g ;
W ; ; ;CONV ; "
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE\ESQL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE\ESQL\CurrentVersion]
"PK"="C:\SFWPKNT\ESQL"
"InstallPath"="C:\SFWPKNT\ESQL"
"Lang"="japanese"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE\ESQL\CurrentVersion\SqlCC]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE\ESQL\CurrentVersion\SqlCC\MSVC]
"Compiler"="cl"
"CompilerOptions"="/nologo"
"Linker"="link"
"LinkerOption"="/NOLOGO"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE\ESQL\CurrentVersion\SqlCOBOL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SYMFOWARE\ESQL\CurrentVersion\SqlCOBOL\COBOL85]
"Compiler"="cobol32"
"CompilerOptions"=""
"Linker"="link"
"LinkerOption"=""
"LinkLibraries"="f3bicimp.lib libc.lib kernel32.lib user32.lib"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup]
"Current"="PK"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup\PK]
"SrcPath"="C:\TEMP\PK\INT"
"RegisteredOwner"="tpc"
"RegisteredOrganization"="Fujitsu"
"DesPath"="C:\SF\WPKNT"
"DataPath"="C:\SF\WD"
"ScriptFile"="DUMMY"
"LogFile"=""
"InstalledDateTime"="1999/02/03 16:14:53"
"Language"="Japanese"
"Server"=dword:00000000
"Enterprise"=dword:00000000
"Version"=hex:00,1e,01,01,00,00,00,00
"RELATION"="ESQL,OLE,JDBC"
"Installed"="RELATION"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\PC-C ISAPI Application]
"Term_Base"=dword:00003085
"NumWarehouses"=dword:00000870
"MaxUsers"=dword:00005460
"MaxTerm of Client"=dword:0000102c
"CONTROL_Flag"=dword:00000001
```

#### REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]
"BandwidthLevel"=dword:ffffff
"ListenBackLog"=dword:00000019
"PoolThreadLimit"=dword:0000020d
"ObjectCacheTTL"=dword:ffffff
"MemoryCacheSize"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\Filter]
```

```
"FilterType"=dword:00000000
"NumGrantSites"=dword:00000000
"NumDenySites"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\MimeMap]
```

```
"text/html,htm,,h"=""
"image/gif,gif,g"=""
"image/jpeg,jpg,,:=""
"image/png,png,,:=""
"image/bmp,bmp,,:=""
"application/octet-stream,*,,5"=""
"application/pdf,pdf,,5"=""
"application/octet-stream,bin,,5"=""
"application/oda,oda,,5"=""
"application/zip,zip,,9"=""
"application/rtf,rtf,,5"=""
"application/postscript,ps,,5"=""
"application/postscript,ai,,5"=""
"application/postscript,eps,,5"=""
"application/mac-binhex40,hqx,,4"=""
```

```
"application/msword,doc,,5"=""
"application/msword,dot,,5"=""
"application/winhelp,hlp,,5"=""
"video/mpeg,mpeg,,5"=""
"video/mpeg,mpg,,5"=""
"video/mpeg,mpe,,5"=""
"video/x-msvideo,avi,<=""
"video/quicktime,qt,,5"=""
"video/quicktime,mov,,5"=""
"video/x-sgi-movie,movie,<=""
"x-world/x-vrml,wrl,,5"=""
"x-world/x-vrml,xaf,,5"=""
"x-world/x-vrml,xof,,5"=""
"x-world/x-vrml,flr,,5"=""
"x-world/x-vrml,wrz,,5"=""
"application/x-director,dcr,,5"=""
"application/x-director,dir,,5"=""
"application/x-director,dxr,,5"=""
"image/cis-cod,cod,,5"=""
"image/x-cmx,cmx,,5"=""
"application/envoy,evy,,5"=""
"application/x-msaccess,mdb,,5"=""
"application/x-mscardfile,crd,,5"=""
"application/x-msclip,clip,,5"=""
"application/octet-stream,exe,,5"=""
"application/x-msexcel,xla,,5"=""
"application/x-msexcel,xlc,,5"=""
"application/x-msexcel,xlm,,5"=""
"application/x-msexcel,xls,,5"=""
"application/x-msexcel,xlt,,5"=""
"application/x-msexcel,xlw,,5"=""
"application/x-msmediaview,m13,,5"=""
"application/x-msmediaview,m14,,5"=""
"application/x-msmoney,mny,,5"=""
"application/x-mspowerpoint,ppt,,5"=""
"application/x-msproject,mpp,,5"=""
"application/x-mspublisher,pub,,5"=""
"application/x-msterminal,itm,,5"=""
"application/x-msworks,wks,,5"=""
"application/x-mswrite,wri,,5"=""
"application/x-msmetafile,wmf,,5"=""
"application/x-csh,csh,,5"=""
"application/x-dvi,dvi,,5"=""
"application/x-hdf,hdf,,5"=""
"application/x-latex,latex,,5"=""
"application/x-netcdf,nc,,5"=""
"application/x-netcdf,cdf,,5"=""
"application/x-sh,sh,,5"=""
"application/x-tcl,tcl,,5"=""
"application/x-tex,tex,,5"=""
"application/x-texinfo,texinfo,,5"=""
"application/x-texinfo,texi,,5"=""
"application/x-troff,t,,5"=""
"application/x-troff,tr,,5"=""
"application/x-troff,roff,,5"=""
"application/x-troff-man,man,,5"=""
"application/x-troff-me,me,,5"=""
"application/x-troff-ms,ms,,5"=""
"application/x-wais-source,src,,7"=""
"application/x-bcpio,bcpio,,5"=""
"application/x-cpio,cpio,,5"=""
"application/x-gtar,gtar,,9"=""
"application/x-shar,shar,,5"=""
"application/x-sv4cpio,sv4cpio,,5"=""
"application/x-sv4crc,sv4crc,,5"=""
"application/x-tar,tar,,5"=""
"application/x-ustar,ustar,,5"=""
"audio/basic,au,<=""
```

```
"audio/basic,snd,<=""
"audio/x-aiff,aiff,<=""
"audio/x-aiff,aifc,<=""
"audio/x-wav,wav,<=""
"audio/x-pn-realaudio,ram,<=""
"image/ief,ief,,5"=""
"image/tiff,tiff,,5"=""
"image/tiff,tif,,5"=""
"image/x-cmu-raster,ras,,5"=""
"image/x-portable-anymap,pnm,,5"=""
"image/x-portable-bitmap,pbm,,5"=""
"image/x-portable-grayscale,pgm,,5"=""
"image/x-portable-pixmap,ppm,,5"=""
"image/x-rgb,rgb,,:=""
"image/x-xbitmap,xbm,,5"=""
"image/x-xpixmap,xpm,,5"=""
"image/x-xwindowdump,xwd,,:=""
"text/html,stm,,h"=""
"text/plain,bas,,0"=""
"text/plain,c,,0"=""
"text/plain,h,,0"=""
"text/richtext,rtx,,0"=""
"text/tab-separated-values,tsv,,0"=""
"text/x-setext,etx,,0"=""
"application/x-perfmon,pmc,,5"=""
"application/x-perfmon,pma,,5"=""
"application/x-perfmon,pmr,,5"=""
"application/x-perfmon,pml,,5"=""
"application/x-perfmon,pmw,,5"=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Performance]
```

```
"Library"="infectrs.DLL"
"Open"="OpenINetInfoPerformanceData"
"Close"="CloseINetInfoPerformanceData"
"Collect"="CollectINetInfoPerformanceData"
"Last Counter"=dword:00000756
"Last Help"=dword:00000757
"First Counter"=dword:00000738
"First Help"=dword:00000739
```

#### REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC]
```

```
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,69,6e,65,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,78,65,00
"DisplayName"="World Wide Web Publishing Service"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\HTMLA]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters]
```

```
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"AdminName"="Administrator"
```

```
"AdminEmail"="Admin@corp.com"
"MaxConnections"=dword:000186a0
"LogType"=dword:00000000
"LogFileDirectory"=hex(2):25,53,79,73,74,65,6d,5
2,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4c,6f,67,46,69,6c,65,73,00
"LogFileTruncateSize"=dword:01400000
"LogFilePeriod"=dword:00000001
"LogFileFormat"=dword:00000000
"LogSqlDataSource"="HTTPLOG"
"LogSqlTableName"="Internetlog"
"LogSqlUserName"="InternetAdmin"
"LogSqlPassword"="sqllog"
"Authorization"=dword:00000005
"AnonymousUserName"="IUSR_NTCL17"
"Default Load File"="Default.htm"
"Dir Browse Control"=dword:4000001e
"CheckForWAISDB"=dword:00000000
"CacheExtensions"=dword:00000001
"GlobalExpire"=dword:ffffff
"ServerSideIncludesEnabled"=dword:00000001
"ServerSideIncludesExtension"=".stm"
"DebugFlags"=dword:00000008
"ScriptTimeout"=dword:00000384
"ConnectionTimeOut"=dword:00000384
"InstallPath"="C:\WINNT\System32\inetnsvr"
"SecurePort"=dword:000001bb
"Filter
DLLs"="C:\WINNT\System32\inetnsvr\sspifilt.dll"
"AccessDeniedMessage"=" : B"
"NTAuthenticationProviders"="NTLM"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters\Script Map]
".idc"="C:\WINNT\System32\inetnsvr\httpodbc.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Parameters\Virtual Roots]
"/,"="C:\inetPub\wwwroot,,1"
"/tpc,"="C:\client\tpapfMLK\Release,,5"
"/Scripts,"="C:\inetPub\scripts,,4"
"/iisadmin,"="C:\WINNT\System32\inetnsvr\iisad
min,,1"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Performance]
"Library"="w3ctrs.DLL"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:00000790
"Last Help"=dword:00000791
"First Counter"=dword:00000758
"First Help"=dword:00000759
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,00,00,
00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,
01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,
18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,ff,ff,ff,00,00,1c,00,f
d,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,d0,9c,14,00,
00,00,1c,00,ff,01,0f,00,01,\
```

```
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,d
0,9c,14,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,
00,00,d0,9c,14,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,
00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,0
5,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\W3SAMP]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

**File: Client19.reg**

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\Adjust]
"insdir"="C:\ADJUST\\"
"ver"="V2.1L30"
"JefConvTbf"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\CONVERT TYPE]
"EUCTYPE"="J90"
"JEF"="JEFAUG"
"JIS"="JISKANA"
"S-JISTYPE"="R90"
"UDEFCTL"="USE"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\OFFSET]
"JEFOFFSET"=""
"S-EUCOFFSET"=""
"S-JISOFFSET"=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\A
DJUST\V2.1]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST]
"Directory"="C:\ADJUST\\"
"VersionLevel"="V2.1L30"
"LogFileLink"="C:\ADJUST\UnlnAdj.log"
"Install_Date"=hex:94,1b,01,85,7f,15,59,17,19,1c,
04,1f,0d,69,29,b5,df,99,47,83,\
31,8a,11,29,7d,99,17,0c,1e,53,1a,25,1e,67,d4,c0,
f4,7d,c2,25,14,80,1a,0f,5b,\
ab,5d,bd
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST\Parent Product]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\In
stall\ADJUST\Parent Product\ADJUST]
"IconGroup"="ADJUST"
"IconList"=" O A g;
W ; ; ;:CONV ; "
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\ESQL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\ESQL\CurrentVersion]
"Client"="C:\SFWCLNT\ESQL"
"InstallPath"="C:\SFWCLNT\ESQL"
"Lang"="japanese"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\Setup]
"Current"="Client"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE\Setup\CLIENT]
"SrcPath"="E:\V1L30E\NTCL"
"RegisteredOwner"="tpc"
"RegisteredOrganization"=" x m "
"DesPath"="C:\SFWCLNT"
"DataPath"="C:\SFWD"
"ScriptFile"="DUMMY"
"LogFile"=""
"InstalledDateTime"="1999/03/25 08:40:02"
"Language"="Japanese"
"Server"=dword:00000000
"Enterprise"=dword:00000000
"Version"=hex:00,20,01,01,00,00,00,00
"RELATION"="ESQL,OLE"
"Installed"="RELATION"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE MediaService]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE MediaService\CurrentVersion]
"CurrentProduct"="SymfoWARE"
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\S
ymfoWARE
MediaService\CurrentVersion\SymfoWARE]
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\T
PC-C ISAPI Application]
"Term_Base"=dword:0000102d
"NumWarehouses"=dword:00000870
"MaxUsers"=dword:00005460
"MaxTerm of Client"=dword:0000102c
"CONTROL_Flag"=dword:00000001
```

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\InetInfo]
```



```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]
"BandwidthLevel"=dword:ffffff
"ListenBackLog"=dword:00000019
"MemoryCacheSize"=dword:00000000
"ObjectCacheTTL"=dword:ffffff
"PoolThreadLimit"=dword:0000020d
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\Filter]
"FilterType"=dword:00000000
"NumGrantSites"=dword:00000000
"NumDenySites"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\MimeMap]
"text/html,htm,,h"=""
"image/gif,gif,,g"=""
"image/jpeg,jpg,.,j"=""
"text/plain,txt,,t"=""
"text/html,html,,h"=""
"image/jpeg,jpeg,.,j"=""
"image/jpeg,jpe,.,j"=""
"image/bmp,bmp,.,b"=""
"application/octet-stream,*,.5"=""
"application/pdf,pdf,.,5"=""
"application/octet-stream,bin,.,5"=""
"application/oda,oda,.,5"=""
"application/zip,zip,.,9"=""
"application/rtf,rtf,.,5"=""
"application/postscript,ps,.,5"=""
"application/postscript,ai,.,5"=""
"application/postscript,eps,.,5"=""
"application/mac-binhex40,hqx,.,4"=""
"application/msword,doc,.,5"=""
"application/msword,dot,.,5"=""
"application/winhlp,hlp,.,5"=""
"video/mpeg,mpeg,.,5"=""
"video/mpeg,mpg,.,5"=""
"video/mpeg,mpe,.,5"=""
"video/x-msvideo,avi,.,5"=""
"video/quicktime,qt,.,5"=""
"video/quicktime,mov,.,5"=""
"video/x-sgi-movie,movie,.,5"=""
"x-world/x-vrml,wrl,.,5"=""
"x-world/x-vrml,xaf,.,5"=""
"x-world/x-vrml,xof,.,5"=""
"x-world/x-vrml,flr,.,5"=""
"x-world/x-vrml,wrz,.,5"=""
"application/x-director,dcr,.,5"=""
"application/x-director,dir,.,5"=""
"application/x-director,dxr,.,5"=""
"image/cis-cod,cod,.,5"=""
"image/x-cmx,cmx,.,5"=""
"application/envoy,evy,.,5"=""
"application/x-msaccess,mdb,.,5"=""
"application/x-mscardfile,crd,.,5"=""
"application/x-msclip,clip,.,5"=""
"application/octet-stream,exe,.,5"=""
"application/x-msexcel,xla,.,5"=""
"application/x-msexcel,xlc,.,5"=""
"application/x-msexcel,xlm,.,5"=""
"application/x-msexcel,xls,.,5"=""
"application/x-msexcel,xlt,.,5"=""
"application/x-msexcel,xlw,.,5"=""
"application/x-msmediaview,m13,.,5"=""
"application/x-msmediaview,m14,.,5"=""
"application/x-msmoney,mny,.,5"=""
```

```
"application/x-mspowerpoint,ppt,.,5"=""
"application/x-msproject,mpp,.,5"=""
"application/x-mspublisher,pub,.,5"=""
"application/x-msterminal,tmr,.,5"=""
"application/x-msworks,wks,.,5"=""
"application/x-mswrite,wri,.,5"=""
"application/x-msmetafile,wmf,.,5"=""
"application/x-csh,csh,.,5"=""
"application/x-dvi,dvi,.,5"=""
"application/x-hdf,hdf,.,5"=""
"application/x-latex,latex,.,5"=""
"application/x-netcdf,nc,.,5"=""
"application/x-netcdf,cdf,.,5"=""
"application/x-sh,sh,.,5"=""
"application/x-tcl,tcl,.,5"=""
"application/x-tex,tex,.,5"=""
"application/x-texinfo,texinfo,.,5"=""
"application/x-texinfo,texi,.,5"=""
"application/x-troff,t,.,5"=""
"application/x-troff,tr,.,5"=""
"application/x-troff,roff,.,5"=""
"application/x-troff-man,man,.,5"=""
"application/x-troff-me,me,.,5"=""
"application/x-troff-ms,ms,.,5"=""
"application/x-wais-source,src,.,7"=""
"application/x-bcpio,bcpio,.,5"=""
"application/x-cpio,cpio,.,5"=""
"application/x-gtar,gtar,.,9"=""
"application/x-shar,shar,.,5"=""
"application/x-sv4cpio,sv4cpio,.,5"=""
"application/x-sv4crc,sv4crc,.,5"=""
"application/x-tar,tar,.,5"=""
"application/x-ustar,ustar,.,5"=""
"audio/basic,au,.,5"=""
"audio/basic,snd,.,5"=""
"audio/x-aiff,aiff,.,5"=""
"audio/x-aiff,aifc,.,5"=""
"audio/x-wav,wav,.,5"=""
"audio/x-pn-realaudio,ram,.,5"=""
"image/ief,ief,.,5"=""
"image/tiff,tiff,.,5"=""
"image/tiff,tif,.,5"=""
"image/x-cmu-raster,ras,.,5"=""
"image/x-portable-anymap,pnm,.,5"=""
"image/x-portable-bitmap,pbm,.,5"=""
"image/x-portable-graymap,pgm,.,5"=""
"image/x-portable-pixmap,ppm,.,5"=""
"image/x-rgb,rgb,.,5"=""
"image/x-xbitmap,xbm,.,5"=""
"image/x-xpixmap,xpm,.,5"=""
"image/x-xwindowdump,xwd,.,5"=""
"text/html,stm,.,h"=""
"text/plain,bas,.,0"=""
"text/plain,c,.,0"=""
"text/plain,h,.,0"=""
"text/richtext,rtx,.,0"=""
"text/tab-separated-values,tsv,.,0"=""
"text/x-setext,etx,.,0"=""
"application/x-perfmon,pmc,.,5"=""
"application/x-perfmon,pma,.,5"=""
"application/x-perfmon,pmr,.,5"=""
"application/x-perfmon,pml,.,5"=""
"application/x-perfmon,pmw,.,5"=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Performance]
"Library"="infoctrs.DLL"
```

```
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:00000756
"Last Help"=dword:00000757
"First Counter"=dword:00000738
"First Help"=dword:00000739
```

#### REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,69,6e,65,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,78,65,00
"DisplayName"="World Wide Web Publishing Service"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\HTMMLA]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters]
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"AdminName"="Administrator"
"AdminEmail"="Admin@corp.com"
"MaxConnections"=dword:000186a0
"LogType"=dword:00000000
"LogFileDirectory"=hex(2):43,3a,5c,54,45,4d,50,5c,69,6e,65,74,6c,6f,67,00
"LogFileTruncateSize"=dword:ffffff
"LogFilePeriod"=dword:00000001
"LogFileFormat"=dword:00000000
"LogSqlDataSource"="HTTPLOG"
"LogSqlTableName"="Internetlog"
"LogSqlUserName"="InternetAdmin"
"LogSqlPassword"="sqllog"
"Authorization"=dword:00000005
"AnonymousUserName"="USR_NTCL19"
"Default Load File"="Default.htm"
"Dir Browse Control"=dword:4000001e
"CheckForWAISDB"=dword:00000000
"CacheExtensions"=dword:00000001
"GlobalExpire"=dword:ffffff
"ServerSideIncludesEnabled"=dword:00000001
"ServerSideIncludesExtension"=".stm"
"DebugFlags"=dword:00000008
"ScriptTimeout"=dword:00000384
"ConnectionTimeout"=dword:00000384
"InstallPath"="C:\WINNT\System32\inetnsvr"
"SecurePort"=dword:000001bb
"Filter
DLLs"="C:\WINNT\System32\inetnsvr\sspifilt.dll"
"AccessDeniedMessage"=" : B"
"NTAuthenticationProviders"="NTLM"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Script Map]
```

```
".idc"="C:\WINNT\System32\inetpub\httpodbc.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Virtual Roots]
"/,,"="C:\inetpub\wwwroot,,1"
"/tpcg,"="C:\client\tpap4\Release,,5"
"/tpc,"="C:\client\tpapFMLK\Release,,5"
"/Scripts,"="C:\inetpub\scripts,,4"
"/iisadmin,"="C:\WINNT\System32\inetpub\iisadmin,,1"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Performance]
"Library"="w3ctrs.DLL"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:00000790
"Last Help"=dword:00000791
"First Counter"=dword:00000758
"First Help"=dword:00000759
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,cc,00,00,00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,\
01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,\
18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,a6,14,00,00,00,1c,\
00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,\
0,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,\
0,00,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,\
00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,\
5,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\W3SAMP]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

#### File: Client20.reg

```
REGEDIT4
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu]
@=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\Adjust]
"insdir"="C:\ADJUST\\"
"ver"="V2.1L30"
```

```
"JefConvTbl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\CONVERT TYPE]
"EUCTYPE"="U90"
"JEFF"="JEFAUG"
"JIS"="JISKANA"
"S-JISTYPE"="R90"
"UDEFCTL"="USE"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\OFFSET]
"JEFOFFSET"=""
"S-EUCOFFSET"=""
"S-JISOFFSET"=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\ADJUST\I2.1]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal\ADJUST]
"Directory"="C:\ADJUST\"
"VersionLevel"="V2.1L30"
"LogFileLink"="C:\ADJUST\UnlnAdj.log"
"Install_Date"=hex:94,33,50,27,15,32,5d,12,50,b7,\
14,1d,49,43,29,95,ce,b9,56,87,\
4f,a1,53,88,6a,12,02,0e,0f,51,0b,a7,4a,6f,91,ea,\
a0,f5,d6,8f,10,22,0b,27,4b,\
03,4c,3d
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal\ADJUST\Parent Product]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\Instal\ADJUST\Parent Product\ADJUST]
"IconGroup"="ADJUST"
"IconList"=" O A g ; W ; ; ; ICONV ; "
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion]
"InstallPath"="C:\SFWCLNT\ESQL"
"Lang"="japanese"
"Client"="C:\SFWCLNT\ESQL"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion\SqlCC]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion\SqlCC\MSVC]
"Compiler"="cl"
"CompilerOptions"="/nologo"
"Linker"="link"
"LinkerOption"="/NOLOGO"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion\SqlCOBOL]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\ESQL\CurrentVersion\SqlCOBOL\COBOL85]
```

```
"Compiler"="cobol32"
"CompilerOptions"=""
"Linker"="link"
"LinkerOption"=""
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup]
"Current"="Client"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE\Setup\CLIENT]
"SrcPath"="E:\Symfo\W11L30E\INTCL"
"RegisteredOwner"="tpc"
"RegisteredOrganization"="Fujitsu"
"DesPath"="C:\SFWCLNT"
"DataPath"="C:\SFWD"
"ScriptFile"="DUMMY"
"LogFile"=""
"InstalledDate"="1999/05/10 19:34:41"
"Language"="Japanese"
"Server"=dword:00000000
"Enterprise"=dword:00000000
"Version"=hex:00,20,01,01,00,00,00,00
"RELATION"="ESQL,OLE"
"Installed"="RELATION"
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService\CurrentVersion]
"CurrentProduct"="SymfoWARE"
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\SymfoWARE MediaService\CurrentVersion\SymfoWARE]
"Path"="C:\SFWCLNT\MEDIA"
"Version"=dword:000f6da1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Fujitsu\PC-C ISAPI Application]
"Term_Base"=dword:000040b1
"NumWarehouses"=dword:00000870
"MaxUsers"=dword:00005460
"MaxTerm of Client"=dword:00001194
"CONTROL_Flag"=dword:00000001
```

```
REGEDIT4
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]
"BandwidthLevel"=dword:ffffff
"ListenBackLog"=dword:00000019
"PoolThreadLimit"=dword:0000020d
"MemoryCacheSize"=dword:00000000
"ObjectCacheTTL"=dword:ffffff
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\Filter]
"FilterType"=dword:00000000
```

```

"NumGrantSites"=dword:00000000
"NumDenySites"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters\MimeMap]
"text/html,html,,h"=""
"image/gif,gif,,g"=""
"image/jpeg,jpg,,"=""
"text/plain,txt,,0"=""
"text/html,html,,h"=""
"image/jpeg,jpeg,,"=""
"image/jpeg,jpe,,"=""
"image/bmp,bmp,,"=""
"application/octet-stream,*,,5"=""
"application/pdf,pdf,,5"=""
"application/octet-stream,bin,,5"=""
"application/oda,oda,,5"=""
"application/zip,zip,,9"=""
"application/rtf,rtf,,5"=""
"application/postscript,ps,,5"=""
"application/postscript,ai,,5"=""
"application/postscript,eps,,5"=""
"application/mac-binhex40,hqx,,4"=""
"application/msword,doc,,5"=""
"application/msword,dot,,5"=""
"application/winhlp,hlp,,5"=""
"video/mpeg,mpeg,,"=""
"video/mpeg,mpg,,"=""
"video/mpeg,mpe,,"=""
"video/x-msvideo,avi,,"=""
"video/quicktime,qt,,"=""
"video/quicktime,mov,,"=""
"video/x-sgi-movie,movie,,"=""
"x-world/x-vrml,wrl,,5"=""
"x-world/x-vrml,xaf,,5"=""
"x-world/x-vrml,xof,,5"=""
"x-world/x-vrml,flr,,5"=""
"x-world/x-vrml,wrz,,5"=""
"application/x-director,dcr,,5"=""
"application/x-director,dir,,5"=""
"application/x-director,dxr,,5"=""
"image/cis-cod,cod,,5"=""
"image/x-cmx,cmx,,5"=""
"application/envoy,evy,,5"=""
"application/x-msaccess,mdb,,5"=""
"application/x-mscardfile,crd,,5"=""
"application/x-msclip,clip,,5"=""
"application/octet-stream,exe,,5"=""
"application/x-msexcel,xla,,5"=""
"application/x-msexcel,xlc,,5"=""
"application/x-msexcel,xlm,,5"=""
"application/x-msexcel,xls,,5"=""
"application/x-msexcel,xlt,,5"=""
"application/x-msexcel,xlw,,5"=""
"application/x-msmediaview,m13,,5"=""
"application/x-msmediaview,m14,,5"=""
"application/x-msmoney,mny,,5"=""
"application/x-mspowerpoint,ppt,,5"=""
"application/x-msproject,mpp,,5"=""
"application/x-mspublisher,pub,,5"=""
"application/x-msterminal,tmr,,5"=""
"application/x-msworks,wks,,5"=""
"application/x-mswrite,wri,,5"=""
"application/x-msmetafile,wmf,,5"=""
"application/x-csh,csh,,5"=""
"application/x-dvi,dvi,,5"=""
"application/x-hdf,hdf,,5"=""
"application/x-latex,latex,,5"=""

```

```

"application/x-netcdf,nc,,5"=""
"application/x-netcdf,cdf,,5"=""
"application/x-sh,sh,,5"=""
"application/x-tcl,tcl,,5"=""
"application/x-tex,tex,,5"=""
"application/x-texinfo,texinfo,,5"=""
"application/x-texinfo,texi,,5"=""
"application/x-troff,t,,5"=""
"application/x-troff,tr,,5"=""
"application/x-troff,roff,,5"=""
"application/x-troff-man,man,,5"=""
"application/x-troff-me,me,,5"=""
"application/x-troff-ms,ms,,5"=""
"application/x-wais-source,src,,7"=""
"application/x-bcpio,bcpio,,5"=""
"application/x-cpio,cpio,,5"=""
"application/x-gtar,gtar,,9"=""
"application/x-shar,shar,,5"=""
"application/x-sv4cpio,sv4cpio,,5"=""
"application/x-sv4crc,sv4crc,,5"=""
"application/x-tar,tar,,5"=""
"application/x-ustar,ustar,,5"=""
"audio/basic,au,,"=""
"audio/basic,snd,,"=""
"audio/x-aiff,aif,,"=""
"audio/x-aiff,aiff,,"=""
"audio/x-aiff,aifc,,"=""
"audio/x-wav,wav,,"=""
"audio/x-pn-realaudio,ram,,"=""
"image/ief,ief,,"=""
"image/tiff,tiff,,"=""
"image/tiff,tif,,"=""
"image/x-cmu-raster,ras,,"=""
"image/x-portable-anymap,pnm,,"=""
"image/x-portable-bitmap,pbm,,"=""
"image/x-portable-graymap,pgm,,"=""
"image/x-portable-pixmap,ppm,,"=""
"image/x-rgb,rgb,,"=""
"image/x-xbitmap,xbm,,"=""
"image/x-xpixmap,xpm,,"=""
"image/x-xwindowdump,xwd,,"=""
"text/html,stm,,h"=""
"text/plain,bas,,0"=""
"text/plain,c,,0"=""
"text/plain,h,,0"=""
"text/richtext,rtx,,0"=""
"text/tab-separated-values,tsv,,0"=""
"text/x-setext,etx,,0"=""
"application/x-perfmon,pmc,,5"=""
"application/x-perfmon,pma,,5"=""
"application/x-perfmon,pmr,,5"=""
"application/x-perfmon,pml,,5"=""
"application/x-perfmon,pmw,,5"=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Performance]
"Library"="infectors.DLL"
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:00000756
"Last Help"=dword:00000757
"First Counter"=dword:00000738
"First Help"=dword:00000739

REGEDIT4

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,69,6e,165,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,78,65,00
"DisplayName"="World Wide Web Publishing Service"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\HTMMLA]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters]
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"AdminName"="Administrator"
"AdminEmail"="Admin@corp.com"
"MaxConnections"=dword:000186a0
"LogType"=dword:00000000
"LogFileDirectory"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,165,6d,33,32,5c,4c,6f,67,46,69,6c,65,73,00
"LogFileTruncateSize"=dword:01400000
"LogFilePeriod"=dword:00000001
"LogFileFormat"=dword:00000000
"LogSqlDataSource"="HTTPLOG"
"LogSqlTableName"="Internetlog"
"LogSqlUserName"="InternetAdmin"
"LogSqlPassword"="sqllog"
"Authorization"=dword:00000005
"AnonymousUserName"="IUSR_NTCL20"
"Default Load File"="Default.htm"
"Dir Browse Control"=dword:4000001e
"CheckForWAISDB"=dword:00000000
"CacheExtensions"=dword:00000001
"GlobalExpire"=dword:ffffff
"ServerSideIncludesEnabled"=dword:00000001
"ServerSideIncludesExtension"=".stm"
"DebugFlags"=dword:00000008
"ScriptTimeout"=dword:00000384
"ConnectionTimeout"=dword:00000384
"InstallPath"="C:\WINNT\System32\inetsrv"
"SecurePort"=dword:000001bb
"Filter
DLLs"="C:\WINNT\System32\inetsrv\ssppifil.dll"
"AccessDeniedMessage"=" : B"
"NTAuthenticationProviders"="NTLM"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Script Map]
".idc"="C:\WINNT\System32\inetsrv\ihttodb.cdll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Virtual Roots]
"/"="C:\InetPub\wwwroot,,1"
"/tpc"="C:\client\tpap\FMLK\Release,,5"
"/Scripts"="C:\InetPub\scripts,,4"
"/iisadmin"="C:\WINNT\System32\inetsrv\iisadmin,,1"

```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Performance]
"Library"="w3ctrs.DLL"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:00000790
"Last Help"=dword:00000791
"First Counter"=dword:00000758
"First Help"=dword:00000759
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,00,00,00,14,00,00,34,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,\
01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,\
18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,6d,00,63,00,00,1c,\
00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,23,02,00,00,69,00,61,0\
0,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,20,02,00,00,6\
9,00,61,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,69,00,61,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,05,12,00,00,\
00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,01,01,00,00,00,00,0\
5,12,00,00,0
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\W3SAMP]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

**File: SV-hwconfig.ver**

Microsoft Diagnostics Report For \\SEQUOIA1

OS Version Report

```
Microsoft (R) Windows NT (TM) Server
Version 4.0 (Build 1381: Service Pack 5) x86
Multiprocessor Free
Registered Owner: Sequoai1, Fujitsu
Product Number: 70238-415-0010587-63811
```

System Report

```
System: AT/AT COMPATIBLE
Hardware Abstraction Layer: MPS 1.4 - APIC
platform
BIOS Date: 03/12/99
```

BIOS Version: AD450NX - PhoenixBIOS 4.0  
Releas

Processor list:  
0: x86 Family 6 Model 7 Stepping 2  
GenuineIntel ~500 Mhz  
1: x86 Family 6 Model 7 Stepping 2  
GenuineIntel ~500 Mhz  
2: x86 Family 6 Model 7 Stepping 2  
GenuineIntel ~500 Mhz  
3: x86 Family 6 Model 7 Stepping 2  
GenuineIntel ~500 Mhz

Video Display Report

BIOS Date: 05/29/98  
BIOS Version: CL-GD5446 PCI VGA BIOS  
Version 1.35

Adapter:  
Setting: 1024 x 768 x 256  
70 Hz  
Type: fjcl5446 compatible display adapter  
String: Cirrus Logic Compatible  
Memory: 2 MB  
Chip Type: Cirrus Logic 5446  
DAC Type: Integrated RAMDAC

Driver:  
Vendor: FUJITSU LIMITED  
File(s): fjcl5446.sys, avvideo.dll  
Version: Release Candidate 0  
version(September 11 1998), 4.0.0

Drives Report

```
C:\ (Local - NTFS) Total: 4,192,933 KB, Free:
255,802 KB
Serial Number: 5806 - 9253
Bytes per cluster: 512
Sectors per cluster: 1
Filename length: 255
D:\ (Local - NTFS) DIRFILE Total: 8,883,912 KB,
Free: 8,852,096 KB
Serial Number: E8E6 - 5807
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
E:\ (Local - NTFS) AI Total: 8,883,912 KB, Free:
4,691,168 KB
Serial Number: F46C - A8CE
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
F:\ (Local - NTFS) BI Total: 3,172,804 KB, Free:
1,120,392 KB
Serial Number: 2C15 - 10A7
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
G:\ (Local - NTFS) IX Total: 522,080 KB, Free:
517,465 KB
Serial Number: C07C - CCD9
Bytes per cluster: 512
```

```
Sectors per cluster: 1
Filename length: 255
H:\ (Local - NTFS) ARC_LOG Total: 71,130,876
KB, Free: 58,590,596 KB
Serial Number: 88A0 - 9C0A
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
I:\ (Local - NTFS) work Total: 8,369,148 KB,
Free: 3,925,168 KB
Serial Number: C4BC - 1DAB
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
J:\ (Local - NTFS) work Total: 5,512,188 KB,
Free: 5,507,704 KB
Serial Number: F413 - 6FAC
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
K:\ (Local - NTFS) work Total: 8,361,832 KB,
Free: 8,357,228 KB
Serial Number: 3CB4 - D56D
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
L:\ (Local - NTFS) Total: 11,024,380 KB, Free:
11,019,692 KB
Serial Number: 498 - 3FDE
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
M:\ (Local - NTFS) Total: 11,024,380 KB, Free:
11,019,692 KB
Serial Number: 4D9 - 48A1
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
N:\ (Local - NTFS) Total: 11,024,380 KB, Free:
11,019,692 KB
Serial Number: E808 - 17B0
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
O:\ (Local - NTFS) Total: 11,024,380 KB, Free:
11,019,692 KB
Serial Number: 1026 - 2EE4
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
P:\ (Local - NTFS) Total: 11,024,380 KB, Free:
11,019,692 KB
Serial Number: 9469 - F706
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
Q:\ (Local - NTFS) Total: 11,024,380 KB, Free:
10,973,604 KB
Serial Number: EC88 - 55F0
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
R:\ (Local - NTFS) Total: 11,024,380 KB, Free:
11,019,692 KB
Serial Number: AC3D - 670D
Bytes per cluster: 512
Sectors per cluster: 8
Filename length: 255
```

S:\ (Local - NTFS) Total: 11,024,380 KB, Free: 10,392,356 KB  
 Serial Number: 7CC6 - 57E9  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

T:\ (Local - NTFS) Total: 11,024,380 KB, Free: 11,019,692 KB  
 Serial Number: 64E4 - 67F6  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

U:\ (Local - NTFS) Total: 11,024,380 KB, Free: 11,019,692 KB  
 Serial Number: BC18 - 1387  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

V:\ (Local - NTFS) Total: 11,024,380 KB, Free: 11,019,692 KB  
 Serial Number: 7440 - 9B72  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

W:\ (Local - NTFS) Total: 11,024,380 KB, Free: 6,406,556 KB  
 Serial Number: 9C5A - 7381  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

X:\ (Local - NTFS) X-Drive Total: 16,536,572 KB, Free: 11,909,128 KB  
 Serial Number: 4432 - 3E5C  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

Y:\ (Local - NTFS) Total: 4,690,976 KB, Free: 2,638,484 KB  
 Serial Number: 34C1 - 61B0  
 Bytes per cluster: 512  
 Sectors per cluster: 8  
 Filename length: 255

#### Memory Report

-----  
 --

Handles: 5,779  
 Threads: 94  
 Processes: 17

Physical Memory (K)  
 Total: 3,734,920  
 Available: 3,568,744  
 File Cache: 12,132

Kernel Memory (K)  
 Total: 18,864  
 Paged: 11,216  
 Nonpaged: 7,648

Commit Charge (K)  
 Total: 35,864  
 Limit: 3,850,064  
 Peak: 3,061,320

Pagefile Space (K)  
 Total: 262,144  
 Total in use: 12,780

Peak: 55,844  
 C:\pagefile.sys  
 Total: 262,144  
 Total in use: 12,780  
 Peak: 55,844

#### Services Report

-----

--

Alerter (Automatic)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Service Dependencies: LanmanWorkstation	
pcANYWHERE Host Service Stopped (Automatic)	
C:\Program Files\pcANYWHERE\lawhost32.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Own Process, Interactive	
Computer Browser (Automatic)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Service Dependencies: LanmanWorkstation LanmanServer LmHosts	
ClipBook Server (Manual)	Stopped
C:\WINNT\system32\clipsrv.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Own Process	
Service Dependencies: NetDDE	
SMARTMON (Manual)	Stopped
C:\PROGRA-1\CC_SCH-1\smartmon.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Own Process	
DACMON (Manual)	Stopped
C:\PROGRA-1\CC_SCH-1\dacmon.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Own Process, Interactive	
Service Dependencies: EventLog	
DHCP Client (TDI) (Disabled)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Service Dependencies: Tcip Afd NetBT	

EventLog (Event log) (Automatic)	Running
C:\WINNT\system32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Server (Automatic)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Group Dependencies: TDI	
Workstation (NetworkProvider) (Automatic)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Group Dependencies: TDI	
License Logging Service (Automatic)	Stopped
C:\WINNT\System32\lsrv.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Own Process	
TCP/IP NetBIOS Helper (Automatic)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Group Dependencies: NetworkProvider	
Messenger (Automatic)	Stopped
C:\WINNT\System32\services.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Service Dependencies: LanmanWorkstation NetBios	
Network DDE (NetDDEGroup) Stopped (Manual)	
C:\WINNT\system32\netdde.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Service Dependencies: NetDDESDM	
Network DDE DSDM (Manual)	Stopped
C:\WINNT\system32\netdde.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Net Logon (RemoteValidation) (Manual)	Stopped
C:\WINNT\System32\lsass.exe	
Service Account Name: LocalSystem	
Error Severity: Normal	
Service Flags: Shared Process	
Service Dependencies: LanmanWorkstation LmHosts	

NT LM Security Support Provider Stopped (Manual) C:\WINNT\System32\SERVICES.EXE Service Account Name: LocalSystem Error Severity: Normal Service Flags: Shared Process	SymfoWARE RDB (Manual) C:\SFWS\VRDB\BIN\VRDB2SERVICE.EXE Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process, Interactive	Service Flags: Kernel Driver, Shared Process Arrow (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process atapi (SCSI miniport) Running (Boot) C:\WINNT\System32\DRIVERS\atapi.sys Error Severity: Normal Service Flags: Kernel Driver, Shared Process Atdisk (Primary disk) Stopped (Disabled) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process ati (Video) Stopped (Disabled) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process AW_HOST (AWDrivers) Running (System) Error Severity: Normal Service Flags: Kernel Driver, Shared Process Beep (Base) Running (System) Error Severity: Normal Service Flags: Kernel Driver, Shared Process BusLogic (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process Busmouse (Pointer Port) Stopped (Disabled) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process Cdaudio (Filter) Stopped (System) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process Cdfs (File system) Running (Disabled) Error Severity: Normal Service Flags: File System Driver, Shared Process Group Dependencies: SCSI CDROM Class Cdrom (SCSI CDROM Class) Running (System) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process Group Dependencies: SCSI miniport Changer (Filter) Stopped (System) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process cirrus (Video) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process Cpqarray (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process cpqfw2e (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process
Plug and Play (PlugPlay) Stopped (Automatic) C:\WINNT\system32\services.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Shared Process	Telephony Service Stopped (Manual) C:\WINNT\system32\tpserv.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process	
450NX-PMC-Service Stopped (Manual) C:\WINNT\system32\pmc450nxserv.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process	UPS Stopped (Manual) C:\WINNT\System32\ups.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process	
Protected Storage Running (Automatic) c:\winn\system32\pstores.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process, Interactive Service Dependencies: RpcSs	VirtualCounterService2 Stopped (Manual) C:\WINNT\system32\vcpserv2.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process	
Directory Replicator Stopped (Manual) C:\WINNT\System32\lmrepl.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process Service Dependencies: LanmanWorkstation LanmanServer	Drivers Report ----- --	
Remote Procedure Call (RPC) Locator Stopped (Manual) C:\WINNT\System32\LOCATOR.EXE Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process Service Dependencies: LanmanWorkstation Rdr	Abiosdisk (Primary disk) Stopped (Disabled) Error Severity: Ignore Service Flags: Kernel Driver, Shared Process AFD Networking Support Environment (TDI) Running (Automatic) C:\WINNT\System32\drivers\afd.sys Error Severity: Normal Service Flags: Kernel Driver, Shared Process Aha154x (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process Aha174x (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process aic78u2 (SCSI Miniport) Running (Boot) C:\WINNT\System32\drivers\aic78u2.sys Error Severity: Normal Service Flags: Kernel Driver, Shared Process aic78xx (SCSI miniport) Running (Boot) C:\WINNT\System32\DRIVERS\aic78xx.sys Error Severity: Normal Service Flags: Kernel Driver, Shared Process Always (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process amiOnt (SCSI miniport) Stopped (Disabled) Error Severity: Normal Service Flags: Kernel Driver, Shared Process amsint (SCSI miniport) Stopped (Disabled) Error Severity: Normal	
Remote Procedure Call (RPC) Service Running (Automatic) C:\WINNT\system32\RpcSs.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process		
Schedule Stopped (Automatic) C:\WINNT\System32\AtSvc.Exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process		
Spooler (SpoolerGroup) Stopped (Automatic) C:\WINNT\system32\spoolss.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process, Interactive		
SymfoWARE RDA Stopped (Manual) C:\SFWS\VRDAS\SERVICE\rsvsrv.exe Service Account Name: LocalSystem Error Severity: Normal Service Flags: Own Process		

CpuCount (Extended base) Running  
 (Automatic)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 dac960nt (SCSI miniport) Running  
 (Boot)  
 C:\WINNT\System32\drivers\dac960nt.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 dce376nt (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Delldsa (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Dell\_DGX (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Disk (SCSI Class) Running  
 (Boot)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Group Dependencies:  
 SCSI miniport  
 Diskperf (Filter) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 DptScsi (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 dtc329x (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Intel EtherExpress PRO Adapter (NDIS)  
 Running (Automatic)  
 C:\WINNT\System32\drivers\ie100bnt.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 et4000 (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Fastfat (Boot file system) Running  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared  
 Process  
 Fd16\_700 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Fd7000ex (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Fd8xx (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 fjcl5446 (Video) Running  
 (System)  
 System32\DRIVERS\fjcl5446.sys

Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 FJPMCet (Extended base) Stopped  
 (Manual)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 FJTracer (Extended base) Stopped  
 (Manual)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 flashpnt (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Floppy (Primary disk) Running  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Ftdisk (Filter) Running (Boot)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 gamdrv (SCSI Class) Running  
 (Boot)  
 C:\WINNT\System32\drivers\gamdrv.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Gernuwa (Base) Running  
 (System)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 i8042 Keyboard and PS/2 Mouse Port Driver  
 (Keyboard Port) Running (System)  
 System32\DRIVERS\i8042prt.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Inport (Pointer Port) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 intbind Running  
 (System)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 intlfxsr (Base) Running (Boot)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Jazzg300 (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Jazzg364 (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Jzvx1484 (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Keyboard Class Driver (Keyboard Class)  
 Running (System)  
 System32\DRIVERS\kbdclass.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 knitr (Base) Running  
 (System)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process

KSecDD (Base) Running  
 (System)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 macdisk (Filter) Running  
 (Boot)  
 C:\WINNT\System32\drivers\macdisk.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Mcu Stopped  
 (Manual)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 mga (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 mga\_mil (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 mitsumi (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 mkecr5xx (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Modem (Extended base) Stopped  
 (Manual)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Mouse Class Driver (Pointer Class)  
 Running (System)  
 System32\DRIVERS\mouclass.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Msfs (File system) Running  
 (System)  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared  
 Process  
 Mup (Network) Running  
 (Manual)  
 C:\WINNT\System32\drivers\mup.sys  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared  
 Process  
 Ncr53c9x (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 ncr77c22 (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Ncrc700 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Ncrc710 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Microsoft NDIS System Driver (NDIS)  
 Running (System)  
 Error Severity: Normal

Service Flags: Kernel Driver, Shared Process  
 NetBIOS Interface (NetBIOSGroup)  
 Running (Manual)  
 C:\WINNT\System32\drivers\netbios.sys  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared Process  
 Group Dependencies:  
 TDI  
 WINS Client(TCP/IP) (PNP\_TDI)  
 Running (Automatic)  
 C:\WINNT\System32\drivers\netbt.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Service Dependencies:  
 Tcpcb  
 NetDetect Stopped  
 (Manual)  
 C:\WINNT\system32\drivers\netdect.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Npfs (File system) Running  
 (System)  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared Process  
 Ntfs (File system) Running  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared Process  
 Null (Base) Running  
 (System)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Oliscsi (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Parallel (Extended base) Running  
 (Automatic)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Service Dependencies:  
 Parport  
 Group Dependencies:  
 Parallel arbitrator  
 Parport (Parallel arbitrator) Running  
 (Automatic)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 ParVdm (Extended base) Running  
 (Automatic)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Service Dependencies:  
 Parport  
 Group Dependencies:  
 Parallel arbitrator  
 PCIDump (PCI Configuration) Stopped  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 PciInfo2 (Extended base) Running  
 (Automatic)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process

Pcmcia (System Bus Extender)  
 Stopped (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 pmc450nx (Extended base) Running  
 (Automatic)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 PnP ISA Enabler Driver (Base) Stopped  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 psidisp (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Q10wnt (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 qv (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 rdb2mdrv (Extended base) Running  
 (Manual)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Rdr (Network) Running  
 (Manual)  
 C:\WINNT\System32\drivers\rdr.sys  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared Process  
 s3 (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Scsiprnt (Extended base) Stopped  
 (Automatic)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Group Dependencies:  
 SCSI miniport  
 Scsiscan (SCSI Class) Running  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Group Dependencies:  
 SCSI miniport  
 Serial (Extended base) Running  
 (Automatic)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Sermouse (Pointer Port) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Sfloppy (Primary disk) Stopped  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 Group Dependencies:  
 SCSI miniport  
 Simbad (Filter) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process

slcd32 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Sparrow (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Spock (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Srv (Network) Stopped  
 (Manual)  
 C:\WINNT\System32\drivers\srv.sys  
 Error Severity: Normal  
 Service Flags: File System Driver, Shared Process  
 symc810 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 T128 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 T13B (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Tbs Running  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 TCP/IP Service (PNP\_TDI) Running  
 (Automatic)  
 C:\WINNT\System32\drivers\tcpip.sys  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 tga (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 tmv1 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Ultra124 (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Ultra14f (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 Ultra24f (SCSI miniport) Stopped  
 (Disabled)  
 Error Severity: Normal  
 Service Flags: Kernel Driver, Shared Process  
 update (Base) Stopped  
 (System)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process  
 v7vram (Video) Stopped  
 (Disabled)  
 Error Severity: Ignore  
 Service Flags: Kernel Driver, Shared Process



```

VgaSave (Video Save)          Stopped
(System)
  C:\WINNT\System32\drivers\vga.sys
  Error Severity: Ignore
  Service Flags: Kernel Driver, Shared Process
VgaStart (Video Init)         Stopped
(System)
  C:\WINNT\System32\drivers\vga.sys
  Error Severity: Ignore
  Service Flags: Kernel Driver, Shared Process
Wd33c93 (SCSI miniport)       Stopped
(Disabled)
  Error Severity: Normal
  Service Flags: Kernel Driver, Shared Process
wd90c24a (Video)              Stopped
(Disabled)
  Error Severity: Ignore
  Service Flags: Kernel Driver, Shared Process
wdvga (Video)                 Stopped
(Disabled)
  Error Severity: Ignore
  Service Flags: Kernel Driver, Shared Process
weitekp9 (Video)             Stopped
(Disabled)
  Error Severity: Ignore
  Service Flags: Kernel Driver, Shared Process
Xga (Video)                   Stopped
(Disabled)
  Error Severity: Ignore
  Service Flags: Kernel Driver, Shared Process

```

IRQ and Port Report

```

-----
--
Devices          Vector Level Affinity
-----
--
MPS 1.4 - APIC platform      8 8
0x0000000f
MPS 1.4 - APIC platform      0 0
0x0000000f
MPS 1.4 - APIC platform      1 1
0x0000000f
MPS 1.4 - APIC platform      2 2
0x0000000f
MPS 1.4 - APIC platform      3 3
0x0000000f
MPS 1.4 - APIC platform      4 4
0x0000000f
MPS 1.4 - APIC platform      5 5
0x0000000f
MPS 1.4 - APIC platform      6 6
0x0000000f
MPS 1.4 - APIC platform      7 7
0x0000000f
MPS 1.4 - APIC platform      8 8
0x0000000f
MPS 1.4 - APIC platform      9 9
0x0000000f
MPS 1.4 - APIC platform     10 10
0x0000000f
MPS 1.4 - APIC platform     11 11
0x0000000f
MPS 1.4 - APIC platform     12 12
0x0000000f

```

MPS 1.4 - APIC platform	0x0000000f	13	13
MPS 1.4 - APIC platform	0x0000000f	14	14
MPS 1.4 - APIC platform	0x0000000f	15	15
MPS 1.4 - APIC platform	0x0000000f	16	16
MPS 1.4 - APIC platform	0x0000000f	17	17
MPS 1.4 - APIC platform	0x0000000f	18	18
MPS 1.4 - APIC platform	0x0000000f	19	19
MPS 1.4 - APIC platform	0x0000000f	20	20
MPS 1.4 - APIC platform	0x0000000f	21	21
MPS 1.4 - APIC platform	0x0000000f	22	22
MPS 1.4 - APIC platform	0x0000000f	23	23
MPS 1.4 - APIC platform	0x0000000f	24	24
MPS 1.4 - APIC platform	0x0000000f	25	25
MPS 1.4 - APIC platform	0x0000000f	26	26
MPS 1.4 - APIC platform	0x0000000f	27	27
MPS 1.4 - APIC platform	0x0000000f	28	28
MPS 1.4 - APIC platform	0x0000000f	29	29
MPS 1.4 - APIC platform	0x0000000f	30	30
MPS 1.4 - APIC platform	0x0000000f	31	31
MPS 1.4 - APIC platform	0x0000000f	32	32
MPS 1.4 - APIC platform	0x0000000f	33	33
MPS 1.4 - APIC platform	0x0000000f	34	34
MPS 1.4 - APIC platform	0x0000000f	35	35
MPS 1.4 - APIC platform	0x0000000f	36	36
MPS 1.4 - APIC platform	0x0000000f	37	37
MPS 1.4 - APIC platform	0x0000000f	38	38
MPS 1.4 - APIC platform	0x0000000f	39	39
MPS 1.4 - APIC platform	0x0000000f	40	40
MPS 1.4 - APIC platform	0x0000000f	41	41
MPS 1.4 - APIC platform	0x0000000f	42	42
MPS 1.4 - APIC platform	0x0000000f	43	43
MPS 1.4 - APIC platform	0x0000000f	44	44
MPS 1.4 - APIC platform	0x0000000f	45	45
MPS 1.4 - APIC platform	0x0000000f	46	46

MPS 1.4 - APIC platform	0x0000000f	47	47
MPS 1.4 - APIC platform	0x0000000f	61	61
MPS 1.4 - APIC platform	0x0000000f	65	65
MPS 1.4 - APIC platform	0x0000000f	80	80
MPS 1.4 - APIC platform	0x0000000f	193	193
MPS 1.4 - APIC platform	0x0000000f	225	225
MPS 1.4 - APIC platform	0x0000000f	253	253
MPS 1.4 - APIC platform	0x0000000f	254	254
MPS 1.4 - APIC platform	0x0000000f	255	255
i8042prt	1	1	0xffffffff
i8042prt	12	12	0xffffffff
Serial	4	4	0x00000000
Serial	3	3	0x00000000
E100B	16	16	0x00000000
Floppy	6	6	0x00000000
aic78u2	36	36	0x00000000
aic78xx	40	40	0x00000000
atapi	0	14	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000
dac960nt	32	32	0x00000000

```

-----
--
Devices          Physical Address Length
-----
--
MPS 1.4 - APIC platform      0x00000000
0x0000000010
MPS 1.4 - APIC platform      0x00000020
0x0000000002
MPS 1.4 - APIC platform      0x00000040
0x0000000004
MPS 1.4 - APIC platform      0x00000048
0x0000000004
MPS 1.4 - APIC platform      0x00000061
0x0000000001
MPS 1.4 - APIC platform      0x00000070
0x0000000002
MPS 1.4 - APIC platform      0x00000080
0x0000000010
MPS 1.4 - APIC platform      0x00000092
0x0000000001
MPS 1.4 - APIC platform      0x000000a0
0x0000000002
MPS 1.4 - APIC platform      0x000000c0
0x0000000010
MPS 1.4 - APIC platform      0x000000f0
0x0000000010
i8042prt                    0x00000060
0x0000000001
i8042prt                    0x00000064
0x0000000001

```

```

Parport          0x00000378
0x0000000003
Serial          0x000003f8 0x0000000007
Serial          0x000002f8 0x0000000007
E100B          0x00004000
0x000000001c
Floppy          0x000003f0
0x0000000006
Floppy          0x000003f7
0x0000000001
aic78u2        0x00002000
0x0000000100
aic78xx        0x00002400
0x0000000100
atapi          0x000001f0 0x0000000008
atapi          0x000003f6 0x0000000001
dac960nt      0x00003000
0x0000000080
dac960nt      0x00005000
0x0000000080
dac960nt      0x00006000
0x0000000080
dac960nt      0x00007000
0x0000000080
dac960nt      0x00008000
0x0000000080
dac960nt      0x00009000
0x0000000080
dac960nt      0x0000a000
0x0000000080
dac960nt      0x0000b000
0x0000000080
dac960nt      0x0000c000
0x0000000080
fjcl5446      0x000003b0
0x000000000c
fjcl5446      0x000003c0
0x0000000020

DMA and Memory Report
-----
--
Devices          Channel  Port
-----
--
Floppy           2      0
-----
--
Devices          Physical Address  Length
-----
--
MPS 1.4 - APIC platform  0xfec10000
0x00000400
MPS 1.4 - APIC platform  0xfe000000
0x00000400
E100B           0xeb200000 0x0000001c
aic78u2         0xe4000000 0x00001000
aic78xx         0xe4001000 0x00001000
dac960nt        0xe4110000
0x00000080
dac960nt        0xe8000000
0x02000000
dac960nt        0xea110000
0x00000080
dac960nt        0xec000000
0x02000000

```

```

dac960nt        0xea210000
0x00000080
dac960nt        0xee000000
0x02000000
dac960nt        0xea310000
0x00000080
dac960nt        0xf0000000 0x02000000
dac960nt        0xf2010000 0x00000080
dac960nt        0xf4000000 0x02000000
dac960nt        0xf2110000 0x00000080
dac960nt        0xf6000000 0x02000000
dac960nt        0xf2210000 0x00000080
dac960nt        0xf8000000 0x02000000
dac960nt        0xf2310000 0x00000080
dac960nt        0xfa000000 0x02000000
dac960nt        0xf2410000 0x00000080
dac960nt        0xfc000000 0x02000000
fjcl5446        0x000a0000 0x00020000
fjcl5446        0xe6000000 0x01000000

```

Environment Report

--

System Environment Variables

```

ComSpec=C:\WINNT\system32\cmd.exe
lib=c:\Pcob97;c:\SFWSV\ESQLLIB
NUMBER_OF_PROCESSORS=4
OS=Windows_NT
Os2LibPath=C:\WINNT\system32\os2dll;
Path=C:\PCOB97;C:\tool\Per\bin;C:\WINNT\sys
tem32;C:\WINNT;c:\SFWSV\RD\BIN;c:\winnt\ES
QL\BIN
PROCESSOR_ARCHITECTURE=x86
PROCESSOR_IDENTIFIER=x86 Family 6
Model 7 Stepping 2, GenuineIntel
PROCESSOR_LEVEL=6
PROCESSOR_REVISION=0702
windir=C:\WINNT

```

Environment Variables for Current User

```

CLASSPATH=C:\Program Files\Intel\VTune40;.
include=c:\program
files\devstudio\vc\include;c:\program
files\devstudio\vc\atl\include;c:\program
files\devstudio\vc\mf\include;c:\program
files\devstudio\vc\include;c:\program
files\devstudio\vc\atl\include;c:\program
files\devstudio\vc\mf\include;%include%
lib=C:\Program Files\Intel\VTune40;c:\program
files\devstudio\vc\lib;c:\program
files\devstudio\vc\mf\lib;C:\Program
Files\Intel\VTune40;c:\program
files\devstudio\vc\lib;c:\program
files\devstudio\vc\mf\lib;c:\Pcob97;c:\SFWSV\ES
QL\LIB
MSDevDir=C:\Program
Files\DevStudio\SharedIDE
PATH=C:\Program
Files\Intel\VTune40;c:\program
files\devstudio\sharedide\bin\ide;c:\program

```

```

files\devstudio\sharedide\bin;c:\program
files\devstudio\vc\bin;c:\pcob97;c:\bash\bin;c:\tool
TEMP=C:\TEMP
TMP=C:\TEMP

```

File: Raid-Config

```

*****
*****
*      MYLEX Disk Array Controller -
Configuration Utility      *
*      Version 4.78-21
*
*****
*****

```

CONFIGURATION INFORMATION OF :

=====

3 Channel - 15 Target DAC1164P #1  
Firmware version 5.07-0-2

```

Auto Rebuild Management      : Disabled
Storage Works Fault Management : Disabled
Rebuild/Add Capacity Rate    : 50
Stripe Size                   : 64K
Cache Segment Size           : 8K

```

SCSI Transfer Parameters

-----

```

Data Transfer Rate for channel 0: 20 MHz
Data Bus Width for channel 0   : 16 Bit
Command Tags for channel 0    : Enabled

```

```

Data Transfer Rate for channel 1: 20 MHz
Data Bus Width for channel 1   : 16 Bit
Command Tags for channel 1    : Enabled

```

```

Data Transfer Rate for channel 2: 20 MHz
Data Bus Width for channel 2   : 16 Bit
Command Tags for channel 2    : Enabled

```

Startup Parameters

-----

```

Spin Up Option                : Automatic
Number of devices per spin up : 2
Length of delay                : 6 seconds
Sequence delay                 : 6 seconds

```

PHYSICAL PACK INFORMATION :

=====

Number of Packs = 24

```

Pack 0 : [0:0]
Pack 1 : [0:1]
Pack 2 : [0:2]
Pack 3 : [0:3]
Pack 4 : [0:4]
Pack 5 : [0:8]
Pack 6 : [0:9]
Pack 7 : [0:10]
Pack 8 : [1:0]
Pack 9 : [1:1]
Pack 10 : [1:2]

```

Pack 11 : [1:3]  
 Pack 12 : [1:4]  
 Pack 13 : [1:8]  
 Pack 14 : [1:9]  
 Pack 15 : [1:10]  
 Pack 16 : [2:0]  
 Pack 17 : [2:1]  
 Pack 18 : [2:2]  
 Pack 19 : [2:3]  
 Pack 20 : [2:4]  
 Pack 21 : [2:8]  
 Pack 22 : [2:9]  
 Pack 23 : [2:10]

SYSTEM DRIVE INFORMATION :

=====

Number of System Drives = 24

Sys Drv# Phy. Size Raid Level Eff. Size Write Policy State

=====

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy	State
0	8683 MB	7	8683 MB	Write	Thru Online
1	8683 MB	7	8683 MB	Write	Thru Online
2	17366 MB	7	17366 MB	Write	Thru Online
3	8683 MB	7	8683 MB	Write	Thru Online
4	8683 MB	7	8683 MB	Write	Thru Online
5	8683 MB	7	8683 MB	Write	Thru Online
6	8683 MB	7	8683 MB	Write	Thru Online
7	8683 MB	7	8683 MB	Write	Thru Online
8	8683 MB	7	8683 MB	Write	Thru Online
9	8683 MB	7	8683 MB	Write	Thru Online
10	17366 MB	7	17366 MB	Write	Thru Online
11	8683 MB	7	8683 MB	Write	Thru Online
12	8683 MB	7	8683 MB	Write	Thru Online
13	8683 MB	7	8683 MB	Write	Thru Online
14	8683 MB	7	8683 MB	Write	Thru Online
15	8683 MB	7	8683 MB	Write	Thru Online
16	8683 MB	7	8683 MB	Write	Thru Online
17	8683 MB	7	8683 MB	Write	Thru Online
18	8683 MB	7	8683 MB	Write	Thru Online
19	8683 MB	7	8683 MB	Write	Thru Online
20	8683 MB	7	8683 MB	Write	Thru Online
21	8683 MB	7	8683 MB	Write	Thru Online

22 8683 MB 7 8683 MB Write  
 Thru Online  
 23 8683 MB 7 8683 MB Write  
 Thru Online

Device Information

-----  
 Chnl/Targ Vendor Model Version Size State  
 -----

Chnl/Targ	Vendor	Model	Version	Size	State
0-0	SEAGATE	ST39102LC		9202	8683 MB Online
0-1	SEAGATE	ST39102LC		9202	8683 MB Online
0-2	SEAGATE	ST118202LC		9202	17366 MB Online
0-3	SEAGATE	ST39102LC		9202	8683 MB Online
0-4	SEAGATE	ST39102LC		9202	8683 MB Online
0-8	SEAGATE	ST39102LC		9202	8683 MB Online
0-9	SEAGATE	ST39102LC		9202	8683 MB Online
0-10	SEAGATE	ST39102LC		9202	8683 MB Online
1-0	SEAGATE	ST39102LC		9202	8683 MB Online
1-1	SEAGATE	ST39102LC		9202	8683 MB Online
1-2	SEAGATE	ST118202LC		9202	17366 MB Online
1-3	SEAGATE	ST39102LC		9202	8683 MB Online
1-4	SEAGATE	ST39102LC		9202	8683 MB Online
1-8	SEAGATE	ST39102LC		9202	8683 MB Online
1-9	SEAGATE	ST39102LC		9202	8683 MB Online
1-10	SEAGATE	ST39102LC		9202	8683 MB Online
2-0	SEAGATE	ST39102LC		9202	8683 MB Online
2-1	SEAGATE	ST39102LC		9202	8683 MB Online
2-2	SEAGATE	ST39102LC		9202	8683 MB Online
2-3	SEAGATE	ST39102LC		9202	8683 MB Online
2-4	SEAGATE	ST39102LC		9202	8683 MB Online
2-8	SEAGATE	ST39102LC		9202	8683 MB Online
2-9	SEAGATE	ST39102LC		9202	8683 MB Online
2-10	SEAGATE	ST39102LC		9202	8683 MB Online

\*\*\*\*\*  
 \* MYLEX Disk Array Controller -  
 Configuration Utility \*  
 \* Version 4.78-21  
 \*  
 \*\*\*\*\*

CONFIGURATION INFORMATION OF :

=====

3 Channel - 15 Target DAC1164P #2  
 Firmware version 5.07-0-2

Auto Rebuild Management : Disabled  
 Storage Works Fault Management : Disabled  
 Rebuild/Add Capacity Rate : 50  
 Stripe Size : 64K  
 Cache Segment Size : 8K

SCSI Transfer Parameters

-----

Data Transfer Rate for channel 0: 20 MHz  
 Data Bus Width for channel 0 : 16 Bit  
 Command Tags for channel 0 : Enabled

Data Transfer Rate for channel 1: 20 MHz  
 Data Bus Width for channel 1 : 16 Bit  
 Command Tags for channel 1 : Enabled

Data Transfer Rate for channel 2: 20 MHz  
 Data Bus Width for channel 2 : 16 Bit  
 Command Tags for channel 2 : Enabled

Startup Parameters

-----

Spin Up Option : Automatic  
 Number of devices per spin up : 2  
 Length of delay : 6 seconds  
 Sequence delay : 6 seconds

PHYSICAL PACK INFORMATION :

=====

Number of Packs = 24

Pack 0 : [0:0]  
 Pack 1 : [0:1]  
 Pack 2 : [0:2]  
 Pack 3 : [0:3]  
 Pack 4 : [0:4]  
 Pack 5 : [0:8]  
 Pack 6 : [0:9]  
 Pack 7 : [0:10]  
 Pack 8 : [1:0]  
 Pack 9 : [1:1]  
 Pack 10 : [1:2]  
 Pack 11 : [1:3]  
 Pack 12 : [1:4]  
 Pack 13 : [1:8]  
 Pack 14 : [1:9]  
 Pack 15 : [1:10]  
 Pack 16 : [2:0]  
 Pack 17 : [2:1]  
 Pack 18 : [2:2]  
 Pack 19 : [2:3]  
 Pack 20 : [2:4]  
 Pack 21 : [2:8]  
 Pack 22 : [2:9]  
 Pack 23 : [2:10]

SYSTEM DRIVE INFORMATION :

=====

Number of System Drives = 24

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy	State
0	8683 MB	7	8683 MB	Write	Thru Online
1	8683 MB	7	8683 MB	Write	Thru Online
2	8683 MB	7	8683 MB	Write	Thru Online
3	8683 MB	7	8683 MB	Write	Thru Online
4	8683 MB	7	8683 MB	Write	Thru Online
5	8683 MB	7	8683 MB	Write	Thru Online
6	8683 MB	7	8683 MB	Write	Thru Online
7	8683 MB	7	8683 MB	Write	Thru Online
8	8683 MB	7	8683 MB	Write	Thru Online
9	8683 MB	7	8683 MB	Write	Thru Online
10	8683 MB	7	8683 MB	Write	Thru Online
11	8683 MB	7	8683 MB	Write	Thru Online
12	8683 MB	7	8683 MB	Write	Thru Online
13	8683 MB	7	8683 MB	Write	Thru Online
14	8683 MB	7	8683 MB	Write	Thru Online
15	8683 MB	7	8683 MB	Write	Thru Online
16	8683 MB	7	8683 MB	Write	Thru Online
17	8683 MB	7	8683 MB	Write	Thru Online
18	8683 MB	7	8683 MB	Write	Thru Online
19	8683 MB	7	8683 MB	Write	Thru Online
20	8683 MB	7	8683 MB	Write	Thru Online
21	8683 MB	7	8683 MB	Write	Thru Online
22	8683 MB	7	8683 MB	Write	Thru Online
23	8683 MB	7	8683 MB	Write	Thru Online

Device Information

Chnl/Targ	Vendor	Model	Version	Size	State
0-0	SEAGATE	ST39102LC	9202	8683 MB	Online
0-1	SEAGATE	ST39102LC	9202	8683 MB	Online
0-2	SEAGATE	ST39102LC	9202	8683 MB	Online
0-3	SEAGATE	ST39102LC	9202	8683 MB	Online

0-4	SEAGATE	ST39102LC	9202	8683 MB	Online
0-8	SEAGATE	ST39102LC	9202	8683 MB	Online
0-9	SEAGATE	ST39102LC	9202	8683 MB	Online
0-10	SEAGATE	ST39102LC	9202	8683 MB	Online
1-0	SEAGATE	ST39102LC	9202	8683 MB	Online
1-1	SEAGATE	ST39102LC	9202	8683 MB	Online
1-2	SEAGATE	ST39102LC	9202	8683 MB	Online
1-3	SEAGATE	ST39102LC	9202	8683 MB	Online
1-4	SEAGATE	ST39102LC	9202	8683 MB	Online
1-8	SEAGATE	ST39102LC	9202	8683 MB	Online
1-9	SEAGATE	ST39102LC	9202	8683 MB	Online
1-10	SEAGATE	ST39102LC	9202	8683 MB	Online
2-0	SEAGATE	ST39102LC	9202	8683 MB	Online
2-1	SEAGATE	ST39102LC	9202	8683 MB	Online
2-2	SEAGATE	ST39102LC	9202	8683 MB	Online
2-3	SEAGATE	ST39102LC	9202	8683 MB	Online
2-4	SEAGATE	ST39102LC	9202	8683 MB	Online
2-8	SEAGATE	ST39102LC	9202	8683 MB	Online
2-9	SEAGATE	ST39102LC	9202	8683 MB	Online
2-10	SEAGATE	ST39102LC	9202	8683 MB	Online

```

*****
*****
*   MYLEX Disk Array Controller -
*   Configuration Utility
*   *
*   Version 4.78-21
*
*****
*****

```

CONFIGURATION INFORMATION OF :

3 Channel - 15 Target DAC1164P #3  
Firmware version 5.07-0-2

Auto Rebuild Management : Disabled  
Storage Works Fault Management : Disabled  
Rebuild/Add Capacity Rate : 50  
Stripe Size : 64K  
Cache Segment Size : 8K

SCSI Transfer Parameters

Data Transfer Rate for channel 0: 20 MHz  
Data Bus Width for channel 0 : 16 Bit

Command Tags for channel 0 : Enabled

Data Transfer Rate for channel 1: 20 MHz  
Data Bus Width for channel 1 : 16 Bit  
Command Tags for channel 1 : Enabled

Data Transfer Rate for channel 2: 20 MHz  
Data Bus Width for channel 2 : 16 Bit  
Command Tags for channel 2 : Enabled

Startup Parameters

Spin Up Option : Automatic  
Number of devices per spin up : 2  
Length of delay : 6 seconds  
Sequence delay : 6 seconds

PHYSICAL PACK INFORMATION :

Number of Packs = 24

Pack 0 : [0:0]  
Pack 1 : [0:1]  
Pack 2 : [0:2]  
Pack 3 : [0:3]  
Pack 4 : [0:4]  
Pack 5 : [0:8]  
Pack 6 : [0:9]  
Pack 7 : [0:10]  
Pack 8 : [1:0]  
Pack 9 : [1:1]  
Pack 10 : [1:2]  
Pack 11 : [1:3]  
Pack 12 : [1:4]  
Pack 13 : [1:8]  
Pack 14 : [1:9]  
Pack 15 : [1:10]  
Pack 16 : [2:0]  
Pack 17 : [2:1]  
Pack 18 : [2:2]  
Pack 19 : [2:3]  
Pack 20 : [2:4]  
Pack 21 : [2:8]  
Pack 22 : [2:9]  
Pack 23 : [2:10]

SYSTEM DRIVE INFORMATION :

Number of System Drives = 24

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy	State
0	8683 MB	7	8683 MB	Write	Thru Online
1	8683 MB	7	8683 MB	Write	Thru Online
2	8683 MB	7	8683 MB	Write	Thru Online
3	8683 MB	7	8683 MB	Write	Thru Online
4	8683 MB	7	8683 MB	Write	Thru Online
5	8683 MB	7	8683 MB	Write	Thru Online

```

6 8683 MB 7 8683 MB Write
Thru Online
7 8683 MB 7 8683 MB Write
Thru Online
8 8683 MB 7 8683 MB Write
Thru Online
9 8683 MB 7 8683 MB Write
Thru Online
10 8683 MB 7 8683 MB Write
Thru Online
11 8683 MB 7 8683 MB Write
Thru Online
12 8683 MB 7 8683 MB Write
Thru Online
13 8683 MB 7 8683 MB Write
Thru Online
14 8683 MB 7 8683 MB Write
Thru Online
15 8683 MB 7 8683 MB Write
Thru Online
16 8683 MB 7 8683 MB Write
Thru Online
17 8683 MB 7 8683 MB Write
Thru Online
18 8683 MB 7 8683 MB Write
Thru Online
19 8683 MB 7 8683 MB Write
Thru Online
20 8683 MB 7 8683 MB Write
Thru Online
21 8683 MB 7 8683 MB Write
Thru Online
22 8683 MB 7 8683 MB Write
Thru Online
23 8683 MB 7 8683 MB Write
Thru Online

```

Device Information

Chnl/Targ	Vendor	Model	Version	Size	State
0-0	SEAGATE	ST39102LC	9202	8683 MB	Online
0-1	SEAGATE	ST39102LC	9202	8683 MB	Online
0-2	SEAGATE	ST39102LC	9202	8683 MB	Online
0-3	SEAGATE	ST39102LC	9202	8683 MB	Online
0-4	SEAGATE	ST39102LC	9202	8683 MB	Online
0-8	SEAGATE	ST39102LC	9202	8683 MB	Online
0-9	SEAGATE	ST39102LC	9202	8683 MB	Online
0-10	SEAGATE	ST39102LC	9202	8683 MB	Online
1-0	SEAGATE	ST39102LC	9202	8683 MB	Online
1-1	SEAGATE	ST39102LC	9202	8683 MB	Online
1-2	SEAGATE	ST39102LC	9202	8683 MB	Online
1-3	SEAGATE	ST39102LC	9202	8683 MB	Online
1-4	SEAGATE	ST39102LC	9202	8683 MB	Online

```

1-8 SEAGATE ST39102LC D317
8683 MB Online
1-9 SEAGATE ST39102LC 9202
8683 MB Online
1-10 SEAGATE ST39102LC 9202
8683 MB Online
2-0 SEAGATE ST39102LC 9202
8683 MB Online
2-1 SEAGATE ST39102LC 9202
8683 MB Online
2-2 SEAGATE ST39102LC 9202
8683 MB Online
2-3 SEAGATE ST39102LC 9202
8683 MB Online
2-4 SEAGATE ST39102LC 9202
8683 MB Online
2-8 SEAGATE ST39102LC 9202
8683 MB Online
2-9 SEAGATE ST39102LC 9202
8683 MB Online
2-10 SEAGATE ST39102LC 9202
8683 MB Online

```

```

*****
* MYLEX Disk Array Controller -
Configuration Utility *
* Version 4.78-21
*
*****

```

CONFIGURATION INFORMATION OF :

```

=====
3 Channel - 15 Target DAC1164P #4
Firmware version 5.07-0-2

```

```

Auto Rebuild Management : Disabled
Storage Works Fault Management : Disabled
Rebuild/Add Capacity Rate : 50
Stripe Size : 64K
Cache Segment Size : 8K

```

SCSI Transfer Parameters

```

-----
Data Transfer Rate for channel 0: 20 MHz
Data Bus Width for channel 0 : 16 Bit
Command Tags for channel 0 : Enabled

```

```

Data Transfer Rate for channel 1: 20 MHz
Data Bus Width for channel 1 : 16 Bit
Command Tags for channel 1 : Enabled

```

```

Data Transfer Rate for channel 2: 20 MHz
Data Bus Width for channel 2 : 16 Bit
Command Tags for channel 2 : Enabled

```

Startup Parameters

```

-----
Spin Up Option : Automatic
Number of devices per spin up : 2
Length of delay : 6 seconds
Sequence delay : 6 seconds

```

PHYSICAL PACK INFORMATION :

```
=====
```

Number of Packs = 24

```

Pack 0 : [0:0]
Pack 1 : [0:1]
Pack 2 : [0:2]
Pack 3 : [0:3]
Pack 4 : [0:4]
Pack 5 : [0:8]
Pack 6 : [0:9]
Pack 7 : [0:10]
Pack 8 : [1:0]
Pack 9 : [1:1]
Pack 10 : [1:2]
Pack 11 : [1:3]
Pack 12 : [1:4]
Pack 13 : [1:8]
Pack 14 : [1:9]
Pack 15 : [1:10]
Pack 16 : [2:0]
Pack 17 : [2:1]
Pack 18 : [2:2]
Pack 19 : [2:3]
Pack 20 : [2:4]
Pack 21 : [2:8]
Pack 22 : [2:9]
Pack 23 : [2:10]

```

SYSTEM DRIVE INFORMATION :

```
=====
```

Number of System Drives = 24

Sys Drv# Phy. Size Raid Level Eff. Size Write Policy State

```
=====
```

```

0 8683 MB 7 8683 MB Write
Thru Online
1 8683 MB 7 8683 MB Write
Thru Online
2 8683 MB 7 8683 MB Write
Thru Online
3 8683 MB 7 8683 MB Write
Thru Online
4 8683 MB 7 8683 MB Write
Thru Online
5 8683 MB 7 8683 MB Write
Thru Online
6 8683 MB 7 8683 MB Write
Thru Online
7 8683 MB 7 8683 MB Write
Thru Online
8 8683 MB 7 8683 MB Write
Thru Online
9 8683 MB 7 8683 MB Write
Thru Online
10 8683 MB 7 8683 MB Write
Thru Online
11 8683 MB 7 8683 MB Write
Thru Online
12 8683 MB 7 8683 MB Write
Thru Online
13 8683 MB 7 8683 MB Write
Thru Online
14 8683 MB 7 8683 MB Write
Thru Online

```

```

15 8683 MB 7 8683 MB Write
Thru Online
16 8683 MB 7 8683 MB Write
Thru Online
17 8683 MB 7 8683 MB Write
Thru Online
18 8683 MB 7 8683 MB Write
Thru Online
19 8683 MB 7 8683 MB Write
Thru Online
20 8683 MB 7 8683 MB Write
Thru Online
21 8683 MB 7 8683 MB Write
Thru Online
22 8683 MB 7 8683 MB Write
Thru Online
23 8683 MB 7 8683 MB Write
Thru Online

```

Device Information				
Chnl/Targ	Vendor	Model	Version	Size
0-0	SEAGATE	ST39102LC	D317	8683 MB
0-1	SEAGATE	ST39102LC	9202	8683 MB
0-2	SEAGATE	ST39102LC	9202	8683 MB
0-3	SEAGATE	ST39102LC	9202	8683 MB
0-4	SEAGATE	ST39102LC	9202	8683 MB
0-8	SEAGATE	ST39102LC	9202	8683 MB
0-9	SEAGATE	ST39102LC	9202	8683 MB
0-10	SEAGATE	ST39102LC	9202	8683 MB
1-0	SEAGATE	ST39102LC	9202	8683 MB
1-1	SEAGATE	ST39102LC	9202	8683 MB
1-2	SEAGATE	ST39102LC	9202	8683 MB
1-3	SEAGATE	ST39102LC	9202	8683 MB
1-4	SEAGATE	ST39102LC	9202	8683 MB
1-8	SEAGATE	ST39102LC	9202	8683 MB
1-9	SEAGATE	ST39102LC	9202	8683 MB
1-10	SEAGATE	ST39102LC	9202	8683 MB
2-0	SEAGATE	ST39102LC	9202	8683 MB
2-1	SEAGATE	ST39102LC	9202	8683 MB
2-2	SEAGATE	ST39102LC	9202	8683 MB
2-3	SEAGATE	ST39102LC	9202	8683 MB
2-4	SEAGATE	ST39102LC	9202	8683 MB
2-8	SEAGATE	ST39102LC	9202	8683 MB

```

2-9 SEAGATE ST39102LC 9202
8683 MB Online
2-10 SEAGATE ST39102LC 9202
8683 MB Online

```

```

*****
*****
* MYLEX Disk Array Controller -
Configuration Utility *
* Version 4.78-21
*
*****
*****

```

```

CONFIGURATION INFORMATION OF :
=====
3 Channel - 15 Target DAC1164P #5
Firmware version 5.07-0-2

```

```

Auto Rebuild Management : Disabled
Storage Works Fault Management : Disabled
Rebuild/Add Capacity Rate : 50
Stripe Size : 64K
Cache Segment Size : 8K

```

```

SCSI Transfer Parameters
-----
Data Transfer Rate for channel 0: 20 MHz
Data Bus Width for channel 0 : 16 Bit
Command Tags for channel 0 : Enabled

```

```

Data Transfer Rate for channel 1: 20 MHz
Data Bus Width for channel 1 : 16 Bit
Command Tags for channel 1 : Enabled

Data Transfer Rate for channel 2: 20 MHz
Data Bus Width for channel 2 : 16 Bit
Command Tags for channel 2 : Enabled

```

```

Startup Parameters
-----
Spin Up Option : Automatic
Number of devices per spin up : 2
Length of delay : 6 seconds
Sequence delay : 6 seconds

```

```

PHYSICAL PACK INFORMATION :
=====

```

```

Number of Packs = 24

Pack 0 : [0:0]
Pack 1 : [0:1]
Pack 2 : [0:2]
Pack 3 : [0:3]
Pack 4 : [0:4]
Pack 5 : [0:8]
Pack 6 : [0:9]
Pack 7 : [0:10]
Pack 8 : [1:0]
Pack 9 : [1:1]
Pack 10 : [1:2]
Pack 11 : [1:3]
Pack 12 : [1:4]
Pack 13 : [1:8]

```

```

Pack 14 : [1:9]
Pack 15 : [1:10]
Pack 16 : [2:0]
Pack 17 : [2:1]
Pack 18 : [2:2]
Pack 19 : [2:3]
Pack 20 : [2:4]
Pack 21 : [2:8]
Pack 22 : [2:9]
Pack 23 : [2:10]

```

```

SYSTEM DRIVE INFORMATION :
=====

```

```

Number of System Drives = 24

```

```

Sys Drv# Phy. Size Raid Level Eff. Size Write
Policy State

```

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy
0	8683 MB	7	8683 MB	Write
1	8683 MB	7	8683 MB	Write
2	8683 MB	7	8683 MB	Write
3	8683 MB	7	8683 MB	Write
4	8683 MB	7	8683 MB	Write
5	8683 MB	7	8683 MB	Write
6	8683 MB	7	8683 MB	Write
7	8683 MB	7	8683 MB	Write
8	8683 MB	7	8683 MB	Write
9	8683 MB	7	8683 MB	Write
10	8683 MB	7	8683 MB	Write
11	8683 MB	7	8683 MB	Write
12	8683 MB	7	8683 MB	Write
13	8683 MB	7	8683 MB	Write
14	8683 MB	7	8683 MB	Write
15	8683 MB	7	8683 MB	Write
16	8683 MB	7	8683 MB	Write
17	8683 MB	7	8683 MB	Write
18	8683 MB	7	8683 MB	Write
19	8683 MB	7	8683 MB	Write
20	8683 MB	7	8683 MB	Write
21	8683 MB	7	8683 MB	Write
22	8683 MB	7	8683 MB	Write
23	8683 MB	7	8683 MB	Write

Device Information  
-----

Chnl/Targ	Vendor	Model	Version	Size
State				
0-0	SEAGATE	ST39102LC	9202	8683 MB Online
0-1	SEAGATE	ST39102LC	9202	8683 MB Online
0-2	SEAGATE	ST39102LC	9202	8683 MB Online
0-3	SEAGATE	ST39102LC	9202	8683 MB Online
0-4	SEAGATE	ST39102LC	9202	8683 MB Online
0-8	SEAGATE	ST39102LC	9202	8683 MB Online
0-9	SEAGATE	ST39102LC	9202	8683 MB Online
0-10	SEAGATE	ST39102LC	9202	8683 MB Online
1-0	SEAGATE	ST39102LC	9202	8683 MB Online
1-1	SEAGATE	ST39102LC	9202	8683 MB Online
1-2	SEAGATE	ST39102LC	9202	8683 MB Online
1-3	SEAGATE	ST39102LC	9202	8683 MB Online
1-4	SEAGATE	ST39102LC	9202	8683 MB Online
1-8	SEAGATE	ST39102LC	9202	8683 MB Online
1-9	SEAGATE	ST39102LC	9202	8683 MB Online
1-10	SEAGATE	ST39102LC	9202	8683 MB Online
2-0	SEAGATE	ST39102LC	9202	8683 MB Online
2-1	SEAGATE	ST39102LC	9202	8683 MB Online
2-2	SEAGATE	ST39102LC	9202	8683 MB Online
2-3	SEAGATE	ST39102LC	9202	8683 MB Online
2-4	SEAGATE	ST39102LC	9202	8683 MB Online
2-8	SEAGATE	ST39102LC	9202	8683 MB Online
2-9	SEAGATE	ST39102LC	9202	8683 MB Online
2-10	SEAGATE	ST39102LC	9202	8683 MB Online

```

*****
*****
*   MYLEX Disk Array Controller -
Configuration Utility   *
*           Version 4.78-21
*
*****
*****

```

CONFIGURATION INFORMATION OF :  
=====

3 Channel - 15 Target DAC1164P #6  
Firmware version 5.07-0-2

Auto Rebuild Management : Disabled  
Storage Works Fault Management : Disabled  
Rebuild/Add Capacity Rate : 50  
Stripe Size : 64K  
Cache Segment Size : 8K

SCSI Transfer Parameters  
-----

Data Transfer Rate for channel 0: 20 MHz  
Data Bus Width for channel 0 : 16 Bit  
Command Tags for channel 0 : Enabled

Data Transfer Rate for channel 1: 20 MHz  
Data Bus Width for channel 1 : 16 Bit  
Command Tags for channel 1 : Enabled

Data Transfer Rate for channel 2: 20 MHz  
Data Bus Width for channel 2 : 16 Bit  
Command Tags for channel 2 : Enabled

Startup Parameters  
-----

Spin Up Option : Automatic  
Number of devices per spin up : 2  
Length of delay : 6 seconds  
Sequence delay : 6 seconds

PHYSICAL PACK INFORMATION :  
=====

Number of Packs = 24

Pack 0 : [0:0]  
Pack 1 : [0:1]  
Pack 2 : [0:2]  
Pack 3 : [0:3]  
Pack 4 : [0:4]  
Pack 5 : [0:8]  
Pack 6 : [0:9]  
Pack 7 : [0:10]  
Pack 8 : [1:0]  
Pack 9 : [1:1]  
Pack 10 : [1:2]  
Pack 11 : [1:3]  
Pack 12 : [1:4]  
Pack 13 : [1:8]  
Pack 14 : [1:9]  
Pack 15 : [1:10]  
Pack 16 : [2:0]  
Pack 17 : [2:1]  
Pack 18 : [2:2]  
Pack 19 : [2:3]  
Pack 20 : [2:4]  
Pack 21 : [2:8]  
Pack 22 : [2:9]  
Pack 23 : [2:10]

SYSTEM DRIVE INFORMATION :  
=====

Number of System Drives = 24

Sys Drv# Phy. Size Raid Level Eff. Size Write Policy State

```

=====
=====
0 8683 MB 7 8683 MB Write
Thru Online
1 8683 MB 7 8683 MB Write
Thru Online
2 8683 MB 7 8683 MB Write
Thru Online
3 8683 MB 7 8683 MB Write
Thru Online
4 8683 MB 7 8683 MB Write
Thru Online
5 8683 MB 7 8683 MB Write
Thru Online
6 8683 MB 7 8683 MB Write
Thru Online
7 8683 MB 7 8683 MB Write
Thru Online
8 8683 MB 7 8683 MB Write
Thru Online
9 8683 MB 7 8683 MB Write
Thru Online
10 8683 MB 7 8683 MB Write
Thru Online
11 8683 MB 7 8683 MB Write
Thru Online
12 8683 MB 7 8683 MB Write
Thru Online
13 8683 MB 7 8683 MB Write
Thru Online
14 8683 MB 7 8683 MB Write
Thru Online
15 8683 MB 7 8683 MB Write
Thru Online
16 8683 MB 7 8683 MB Write
Thru Online
17 8683 MB 7 8683 MB Write
Thru Online
18 8683 MB 7 8683 MB Write
Thru Online
19 8683 MB 7 8683 MB Write
Thru Online
20 8683 MB 7 8683 MB Write
Thru Online
21 8683 MB 7 8683 MB Write
Thru Online
22 8683 MB 7 8683 MB Write
Thru Online
23 8683 MB 7 8683 MB Write
Thru Online

```

Device Information  
-----

Chnl/Targ	Vendor	Model	Version	Size
State				
0-0	SEAGATE	ST39102LC	9202	8683 MB Online
0-1	SEAGATE	ST39102LC	9202	8683 MB Online
0-2	SEAGATE	ST39102LC	9202	8683 MB Online
0-3	SEAGATE	ST39102LC	9202	8683 MB Online
0-4	SEAGATE	ST39102LC	9202	8683 MB Online
0-8	SEAGATE	ST39102LC	9202	8683 MB Online

```

0-9 SEAGATE ST39102LC 9202
8683 MB Online
0-10 SEAGATE ST39102LC D317
8683 MB Online
1-0 SEAGATE ST39102LC 9202
8683 MB Online
1-1 SEAGATE ST39102LC 9202
8683 MB Online
1-2 SEAGATE ST39102LC 9202
8683 MB Online
1-3 SEAGATE ST39102LC 9202
8683 MB Online
1-4 SEAGATE ST39102LC 9202
8683 MB Online
1-8 SEAGATE ST39102LC 9202
8683 MB Online
1-9 SEAGATE ST39102LC 9202
8683 MB Online
1-10 SEAGATE ST39102LC 9202
8683 MB Online
2-0 SEAGATE ST39102LC 9202
8683 MB Online
2-1 SEAGATE ST39102LC 9202
8683 MB Online
2-2 SEAGATE ST39102LC 9202
8683 MB Online
2-3 SEAGATE ST39102LC 9202
8683 MB Online
2-4 SEAGATE ST39102LC 9202
8683 MB Online
2-8 SEAGATE ST39102LC 9202
8683 MB Online
2-9 SEAGATE ST39102LC 9202
8683 MB Online
2-10 SEAGATE ST39102LC 9202
8683 MB Online

```

```

*****
* MYLEX Disk Array Controller -
Configuration Utility *
* Version 4.78-21
*
*****

```

```

CONFIGURATION INFORMATION OF :
=====
3 Channel - 15 Target DAC1164P #7
Firmware version 5.07-0-2

Auto Rebuild Management : Disabled
Storage Works Fault Management : Disabled
Rebuild/Add Capacity Rate : 50
Stripe Size : 64K
Cache Segment Size : 8K

```

```

SCSI Transfer Parameters
-----
Data Transfer Rate for channel 0: 20 MHz
Data Bus Width for channel 0 : 16 Bit
Command Tags for channel 0 : Enabled

Data Transfer Rate for channel 1: 20 MHz
Data Bus Width for channel 1 : 16 Bit

```

Command Tags for channel 1 : Enabled

Data Transfer Rate for channel 2: 20 MHz  
Data Bus Width for channel 2 : 16 Bit  
Command Tags for channel 2 : Enabled

Startup Parameters

```

-----
Spin Up Option : Automatic
Number of devices per spin up : 2
Length of delay : 6 seconds
Sequence delay : 6 seconds

```

PHYSICAL PACK INFORMATION :

=====

Number of Packs = 24

```

Pack 0 : [0:0]
Pack 1 : [0:1]
Pack 2 : [0:2]
Pack 3 : [0:3]
Pack 4 : [0:4]
Pack 5 : [0:8]
Pack 6 : [0:9]
Pack 7 : [0:10]
Pack 8 : [1:0]
Pack 9 : [1:1]
Pack 10 : [1:2]
Pack 11 : [1:3]
Pack 12 : [1:4]
Pack 13 : [1:8]
Pack 14 : [1:9]
Pack 15 : [1:10]
Pack 16 : [2:0]
Pack 17 : [2:1]
Pack 18 : [2:2]
Pack 19 : [2:3]
Pack 20 : [2:4]
Pack 21 : [2:8]
Pack 22 : [2:9]
Pack 23 : [2:10]

```

SYSTEM DRIVE INFORMATION :

=====

Number of System Drives = 24

Sys Drv# Phy. Size Raid Level Eff. Size Write Policy State

=====

```

0 8683 MB 7 8683 MB Write
Thru Online
1 8683 MB 7 8683 MB Write
Thru Online
2 8683 MB 7 8683 MB Write
Thru Online
3 8683 MB 7 8683 MB Write
Thru Online
4 8683 MB 7 8683 MB Write
Thru Online
5 8683 MB 7 8683 MB Write
Thru Online
6 8683 MB 7 8683 MB Write
Thru Online
7 8683 MB 7 8683 MB Write
Thru Online

```

```

8 8683 MB 7 8683 MB Write
Thru Online
9 8683 MB 7 8683 MB Write
Thru Online
10 8683 MB 7 8683 MB Write
Thru Online
11 8683 MB 7 8683 MB Write
Thru Online
12 8683 MB 7 8683 MB Write
Thru Online
13 8683 MB 7 8683 MB Write
Thru Online
14 8683 MB 7 8683 MB Write
Thru Online
15 8683 MB 7 8683 MB Write
Thru Online
16 8683 MB 7 8683 MB Write
Thru Online
17 8683 MB 7 8683 MB Write
Thru Online
18 8683 MB 7 8683 MB Write
Thru Online
19 8683 MB 7 8683 MB Write
Thru Online
20 8683 MB 7 8683 MB Write
Thru Online
21 8683 MB 7 8683 MB Write
Thru Online
22 8683 MB 7 8683 MB Write
Thru Online
23 8683 MB 7 8683 MB Write
Thru Online

```

Device Information

```

-----
Chnl/Targ Vendor Model Version Size
State -----
0-0 SEAGATE ST39102LC 0004
8683 MB Online
0-1 SEAGATE ST39102LC D317
8683 MB Online
0-2 SEAGATE ST39102LC D317
8683 MB Online
0-3 SEAGATE ST39102LC D317
8683 MB Online
0-4 SEAGATE ST39102LC D317
8683 MB Online
0-8 SEAGATE ST39102LC D317
8683 MB Online
0-9 SEAGATE ST39102LC D317
8683 MB Online
0-10 SEAGATE ST39102LC D317
8683 MB Online
1-0 SEAGATE ST39102LC 0004
8683 MB Online
1-1 SEAGATE ST39102LC D317
8683 MB Online
1-2 SEAGATE ST39102LC D317
8683 MB Online
1-3 SEAGATE ST39102LC D317
8683 MB Online
1-4 SEAGATE ST39102LC D317
8683 MB Online
1-8 SEAGATE ST39102LC D317
8683 MB Online
1-9 SEAGATE ST39102LC 9202
8683 MB Online

```



```

1-10 SEAGATE ST39102LC D317
8683 MB Online
2-0 SEAGATE ST39102LC D317
8683 MB Online
2-1 SEAGATE ST39102LC D317
8683 MB Online
2-2 SEAGATE ST39102LC 9202
8683 MB Online
2-3 SEAGATE ST39102LC D317
8683 MB Online
2-4 SEAGATE ST39102LC D317
8683 MB Online
2-8 SEAGATE ST39102LC D317
8683 MB Online
2-9 SEAGATE ST39102LC D317
8683 MB Online
2-10 SEAGATE ST39102LC 9202
8683 MB Online

```

```

*****
*****
* MYLEX Disk Array Controller -
Configuration Utility *
* Version 4.78-21
*
*****
*****

```

CONFIGURATION INFORMATION OF :  
=====

3 Channel - 15 Target DAC1164P #8  
Firmware version 5.07-0-2

```

Auto Rebuild Management : Disabled
Storage Works Fault Management : Disabled
Rebuild/Add Capacity Rate : 50
Stripe Size : 64K
Cache Segment Size : 8K

```

SCSI Transfer Parameters  
-----

```

Data Transfer Rate for channel 0: 20 MHz
Data Bus Width for channel 0 : 16 Bit
Command Tags for channel 0 : Enabled

```

```

Data Transfer Rate for channel 1: 20 MHz
Data Bus Width for channel 1 : 16 Bit
Command Tags for channel 1 : Enabled

```

```

Data Transfer Rate for channel 2: 20 MHz
Data Bus Width for channel 2 : 16 Bit
Command Tags for channel 2 : Enabled

```

Startup Parameters  
-----

```

Spin Up Option : Automatic
Number of devices per spin up : 2
Length of delay : 6 seconds
Sequence delay : 6 seconds

```

PHYSICAL PACK INFORMATION :  
=====

Number of Packs = 24

```

Pack 0 : [0:0]
Pack 1 : [0:1]
Pack 2 : [0:2]
Pack 3 : [0:3]
Pack 4 : [0:4]
Pack 5 : [0:8]
Pack 6 : [0:9]
Pack 7 : [0:10]
Pack 8 : [1:0]
Pack 9 : [1:1]
Pack 10 : [1:2]
Pack 11 : [1:3]
Pack 12 : [1:4]
Pack 13 : [1:8]
Pack 14 : [1:9]
Pack 15 : [1:10]
Pack 16 : [2:0]
Pack 17 : [2:1]
Pack 18 : [2:2]
Pack 19 : [2:3]
Pack 20 : [2:4]
Pack 21 : [2:8]
Pack 22 : [2:9]
Pack 23 : [2:10]

```

SYSTEM DRIVE INFORMATION :  
=====

Number of System Drives = 24

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy	State
0	8683 MB	7	8683 MB	Write	Thru Online
1	8683 MB	7	8683 MB	Write	Thru Online
2	8683 MB	7	8683 MB	Write	Thru Online
3	8683 MB	7	8683 MB	Write	Thru Online
4	8683 MB	7	8683 MB	Write	Thru Online
5	8683 MB	7	8683 MB	Write	Thru Online
6	8683 MB	7	8683 MB	Write	Thru Online
7	8683 MB	7	8683 MB	Write	Thru Online
8	8683 MB	7	8683 MB	Write	Thru Online
9	8683 MB	7	8683 MB	Write	Thru Online
10	8683 MB	7	8683 MB	Write	Thru Online
11	8683 MB	7	8683 MB	Write	Thru Online
12	8683 MB	7	8683 MB	Write	Thru Online
13	8683 MB	7	8683 MB	Write	Thru Online
14	8683 MB	7	8683 MB	Write	Thru Online
15	8683 MB	7	8683 MB	Write	Thru Online
16	8683 MB	7	8683 MB	Write	Thru Online

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy	State
17	8683 MB	7	8683 MB	Write	Thru Online
18	8683 MB	7	8683 MB	Write	Thru Online
19	8683 MB	7	8683 MB	Write	Thru Online
20	8683 MB	7	8683 MB	Write	Thru Online
21	8683 MB	7	8683 MB	Write	Thru Online
22	8683 MB	7	8683 MB	Write	Thru Online
23	8683 MB	7	8683 MB	Write	Thru Online

```

17 8683 MB 7 8683 MB Write
Thru Online
18 8683 MB 7 8683 MB Write
Thru Online
19 8683 MB 7 8683 MB Write
Thru Online
20 8683 MB 7 8683 MB Write
Thru Online
21 8683 MB 7 8683 MB Write
Thru Online
22 8683 MB 7 8683 MB Write
Thru Online
23 8683 MB 7 8683 MB Write
Thru Online

```

Device Information  
-----

Chnl/Targ	Vendor	Model	Version	Size	State
0-0	SEAGATE	ST39102LC	9202	8683 MB	Online
0-1	SEAGATE	ST39102LC	9202	8683 MB	Online
0-2	SEAGATE	ST39102LC	9202	8683 MB	Online
0-3	SEAGATE	ST39102LC	9202	8683 MB	Online
0-4	SEAGATE	ST39102LC	9202	8683 MB	Online
0-8	SEAGATE	ST39102LC	9202	8683 MB	Online
0-9	SEAGATE	ST39102LC	9202	8683 MB	Online
0-10	SEAGATE	ST39102LC	9202	8683 MB	Online
1-0	SEAGATE	ST39102LC	9202	8683 MB	Online
1-1	SEAGATE	ST39102LC	9202	8683 MB	Online
1-2	SEAGATE	ST39102LC	9202	8683 MB	Online
1-3	SEAGATE	ST39102LC	9202	8683 MB	Online
1-4	SEAGATE	ST39102LC	9202	8683 MB	Online
1-8	SEAGATE	ST39102LC	9202	8683 MB	Online
1-9	SEAGATE	ST39102LC	9202	8683 MB	Online
1-10	SEAGATE	ST39102LC	9202	8683 MB	Online
2-0	SEAGATE	ST39102LC	9202	8683 MB	Online
2-1	SEAGATE	ST39102LC	D317	8683 MB	Online
2-2	SEAGATE	ST39102LC	D317	8683 MB	Online
2-3	SEAGATE	ST39102LC	D317	8683 MB	Online
2-4	SEAGATE	ST39102LC	D317	8683 MB	Online
2-8	SEAGATE	ST39102LC	D317	8683 MB	Online
2-9	SEAGATE	ST39102LC	D317	8683 MB	Online
2-10	SEAGATE	ST39102LC	D317	8683 MB	Online

```

*****
*****
*   MYLEX Disk Array Controller -
Configuration Utility   *
*   Version 4.78-21
*
*****
*****

```

CONFIGURATION INFORMATION OF :  
=====

3 Channel - 15 Target DAC1164P #9  
Firmware version 5.07-0-2

Auto Rebuild Management : Disabled  
Storage Works Fault Management : Disabled  
Rebuild/Add Capacity Rate : 50  
Stripe Size : 64K  
Cache Segment Size : 8K

SCSI Transfer Parameters  
-----

Data Transfer Rate for channel 0: 20 MHz  
Data Bus Width for channel 0 : 16 Bit  
Command Tags for channel 0 : Enabled

Data Transfer Rate for channel 1: 20 MHz  
Data Bus Width for channel 1 : 16 Bit  
Command Tags for channel 1 : Enabled

Data Transfer Rate for channel 2: 20 MHz  
Data Bus Width for channel 2 : 16 Bit  
Command Tags for channel 2 : Enabled

Startup Parameters  
-----

Spin Up Option : Automatic  
Number of devices per spin up : 2  
Length of delay : 6 seconds  
Sequence delay : 6 seconds

PHYSICAL PACK INFORMATION :  
=====

Number of Packs = 24

Pack 0 : [0:0]  
Pack 1 : [0:1]  
Pack 2 : [0:2]  
Pack 3 : [0:3]  
Pack 4 : [0:4]  
Pack 5 : [0:8]  
Pack 6 : [0:9]  
Pack 7 : [0:10]  
Pack 8 : [1:0]  
Pack 9 : [1:1]  
Pack 10 : [1:2]  
Pack 11 : [1:3]  
Pack 12 : [1:4]  
Pack 13 : [1:8]  
Pack 14 : [1:9]  
Pack 15 : [1:10]  
Pack 16 : [2:0]  
Pack 17 : [2:1]

Pack 18 : [2:2]  
Pack 19 : [2:3]  
Pack 20 : [2:4]  
Pack 21 : [2:8]  
Pack 22 : [2:9]  
Pack 23 : [2:10]

SYSTEM DRIVE INFORMATION :  
=====

Number of System Drives = 24

Sys Drv# Phy. Size Raid Level Eff. Size Write  
Policy State

=====

Sys Drv#	Phy. Size	Raid Level	Eff. Size	Write Policy	State
0	8683 MB	7	8683 MB	Write	Thru Online
1	8683 MB	7	8683 MB	Write	Thru Online
2	8683 MB	7	8683 MB	Write	Thru Online
3	8683 MB	7	8683 MB	Write	Thru Online
4	8683 MB	7	8683 MB	Write	Thru Online
5	8683 MB	7	8683 MB	Write	Thru Online
6	8683 MB	7	8683 MB	Write	Thru Online
7	8683 MB	7	8683 MB	Write	Thru Online
8	8683 MB	7	8683 MB	Write	Thru Online
9	8683 MB	7	8683 MB	Write	Thru Online
10	8683 MB	7	8683 MB	Write	Thru Online
11	8683 MB	7	8683 MB	Write	Thru Online
12	8683 MB	7	8683 MB	Write	Thru Online
13	8683 MB	7	8683 MB	Write	Thru Online
14	8683 MB	7	8683 MB	Write	Thru Online
15	8683 MB	7	8683 MB	Write	Thru Online
16	8683 MB	7	8683 MB	Write	Thru Online
17	8683 MB	7	8683 MB	Write	Thru Online
18	8683 MB	7	8683 MB	Write	Thru Online
19	8683 MB	7	8683 MB	Write	Thru Online
20	8683 MB	7	8683 MB	Write	Thru Online
21	8683 MB	7	8683 MB	Write	Thru Online
22	8683 MB	7	8683 MB	Write	Thru Online
23	8683 MB	7	8683 MB	Write	Thru Online

Device Information  
-----

Chnl/Targ	Vendor	Model	Version	Size	State
0-0	SEAGATE	ST39102LC	D317	8683 MB	Online
0-1	SEAGATE	ST39102LC	D317	8683 MB	Online
0-2	SEAGATE	ST39102LC	D317	8683 MB	Online
0-3	SEAGATE	ST39102LC	D317	8683 MB	Online
0-4	SEAGATE	ST39102LC	D317	8683 MB	Online
0-8	SEAGATE	ST39102LC	9202	8683 MB	Online
0-9	SEAGATE	ST39102LC	D317	8683 MB	Online
0-10	SEAGATE	ST39102LC	D317	8683 MB	Online
1-0	SEAGATE	ST39102LC	D317	8683 MB	Online
1-1	SEAGATE	ST39102LC	9202	8683 MB	Online
1-2	SEAGATE	ST39102LC	9202	8683 MB	Online
1-3	SEAGATE	ST39102LC	D317	8683 MB	Online
1-4	SEAGATE	ST39102LC	D317	8683 MB	Online
1-8	SEAGATE	ST39102LC	D317	8683 MB	Online
1-9	SEAGATE	ST39102LC	D317	8683 MB	Online
1-10	SEAGATE	ST39102LC	D317	8683 MB	Online
2-0	SEAGATE	ST39102LC	D317	8683 MB	Online
2-1	SEAGATE	ST39102LC	9202	8683 MB	Online
2-2	SEAGATE	ST39102LC	9202	8683 MB	Online
2-3	SEAGATE	ST39102LC	D317	8683 MB	Online
2-4	SEAGATE	ST39102LC	9202	8683 MB	Online
2-8	SEAGATE	ST39102LC	D317	8683 MB	Online
2-9	SEAGATE	ST39102LC	D317	8683 MB	Online
2-10	SEAGATE	ST39102LC	9202	8683 MB	Online

File: ostune.ver

Service	State
Alerter	Stop
Computer Browser	Stop
License Logging Service	Stop
Messenger	Stop
Plug and Play	Stop
Server	Stop
Spooler	Stop
TCP/IP NetBIOS Helper	Stop
Workstation	Stop

```
-----
HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\NDIS\Parameters
"ProcessorAffinityMask=dword:0"

HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Services\tcpip\Parameters
"TcpWindowSizenone=REG_SZ:0xffff"

HKEY_LOCAL_MACHINE\SYSTEM\CurrentContr
olSet\Control\Session Manager\Memory
Management
"SecondLevelDataCache0=dword:0x200000"
```

**File: 4way-env-KANSA.bat**

```
@REM ##### for 1944WH 9:1 990601 #####
@REM ##### for 2160WH 9:1 990621 #####
@REM ##### for 2160WH 9:1 990702 #####
```

ECHO ON

```
set RDB_NOT_RISTRICCT_MODE=1
set RDB_LPCT_REUSE=1
set RDB_BCM_NOT_TINF=1
```

```
set RDBDBSCPU_SPLIT_VOL_NO=
set RDB_NO_CORE=1
set RDB_LOCAL_LP_DUMMY=
set RDB_MAP_DUMMY=1
```

```
set RDB_MAP_GET_UPPER=64
```

```
set RDB_MAP_SIZE_M1=1520
```

```
set RDB_MAP_SIZE_S1=116
```

```
set RDB_MAP_SIZE_M2=1020
```

```
set RDB_MAP_SIZE_S2=
```

```
set RDB_IDT_MEMBLKSIZE=1664
```

```
set RDB_LP_PADDR_4GB_HIGH_M=1
set RDB_LP_PADDR_4GB_HIGH_S=1
set RDB_LP_PADDR_4GB_HIGH_C=1
set RDB_LP_PADDR_4GB_HIGH_D=1

set RDB_LP_SIZE_M1=76
set RDB_LP_PADDR_M1=0x10000000
```

```
set RDB_LP_SIZE_S1=76
set RDB_LP_PADDR_S1=0x17000000
```

```
set RDB_LP_SIZE_C1=76
set RDB_LP_PADDR_C1=0x20000000
```

```
set RDB_LP_SIZE_D1=44
set RDB_LP_PADDR_D1=0x27000000
```

**File: conbf.oza-4SMP.dat**

```
#####
## for 1458WH
## for 1680WH 990111 Sugiyama
## for 1560WH 990114 Sugiyama
## for 1800WH 990115 Sugiyama
## for 2046WH 11:1 990126
## for 2052WH 9:1 990531
## for 2160WH 9:1 990618
## for 2160WH 9:1 990705 Stock 1/6 -> 1/12
## for 2160WH 990705 CU 1/6 -> 1/12
## for 2232WH 990707 1:9 -> 1:18
#####
```

```
## WAREHOUSE_DSI buffer
TPCC.WAREHOUSE_1_DSI W_1
TPCC.WAREHOUSE_2_DSI W_2
TPCC.WAREHOUSE_3_DSI W_3
TPCC.WAREHOUSE_4_DSI W_4
TPCC.WAREHOUSE_5_DSI W_5
TPCC.WAREHOUSE_6_DSI W_6
TPCC.WAREHOUSE_7_DSI W_1
TPCC.WAREHOUSE_8_DSI W_2
TPCC.WAREHOUSE_9_DSI W_3
TPCC.WAREHOUSE_10_DSI W_4
TPCC.WAREHOUSE_11_DSI W_5
TPCC.WAREHOUSE_12_DSI W_6
TPCC.WAREHOUSE_13_DSI W_1
TPCC.WAREHOUSE_14_DSI W_2
TPCC.WAREHOUSE_15_DSI W_3
TPCC.WAREHOUSE_16_DSI W_4
TPCC.WAREHOUSE_17_DSI W_5
TPCC.WAREHOUSE_18_DSI W_6
TPCC.WAREHOUSE_19_DSI W_1
TPCC.WAREHOUSE_20_DSI W_2
TPCC.WAREHOUSE_21_DSI W_3
TPCC.WAREHOUSE_22_DSI W_4
TPCC.WAREHOUSE_23_DSI W_5
TPCC.WAREHOUSE_24_DSI W_6
TPCC.WAREHOUSE_25_DSI W_1
TPCC.WAREHOUSE_26_DSI W_2
TPCC.WAREHOUSE_27_DSI W_3
TPCC.WAREHOUSE_28_DSI W_4
TPCC.WAREHOUSE_29_DSI W_5
TPCC.WAREHOUSE_30_DSI W_6
TPCC.WAREHOUSE_31_DSI W_1
#TPCC.WAREHOUSE_32_DSI W_2
#TPCC.WAREHOUSE_33_DSI W_3
#TPCC.WAREHOUSE_34_DSI W_4
#TPCC.WAREHOUSE_35_DSI W_5
#TPCC.WAREHOUSE_36_DSI W_6
#TPCC.WAREHOUSE_37_DSI W_1
#TPCC.WAREHOUSE_38_DSI W_2
```

```
## DISTRICT_DSI buffer
TPCC.DISTRICT_1_DSI D_1
TPCC.DISTRICT_2_DSI D_2
TPCC.DISTRICT_3_DSI D_3
TPCC.DISTRICT_4_DSI D_4
TPCC.DISTRICT_5_DSI D_5
TPCC.DISTRICT_6_DSI D_6
TPCC.DISTRICT_7_DSI D_1
TPCC.DISTRICT_8_DSI D_2
TPCC.DISTRICT_9_DSI D_3
TPCC.DISTRICT_10_DSI D_4
```

```
TPCC.DISTRICT_11_DSI D_5
TPCC.DISTRICT_12_DSI D_6
TPCC.DISTRICT_13_DSI D_1
TPCC.DISTRICT_14_DSI D_2
TPCC.DISTRICT_15_DSI D_3
TPCC.DISTRICT_16_DSI D_4
TPCC.DISTRICT_17_DSI D_5
TPCC.DISTRICT_18_DSI D_6
TPCC.DISTRICT_19_DSI D_1
TPCC.DISTRICT_20_DSI D_2
TPCC.DISTRICT_21_DSI D_3
TPCC.DISTRICT_22_DSI D_4
TPCC.DISTRICT_23_DSI D_5
TPCC.DISTRICT_24_DSI D_6
TPCC.DISTRICT_25_DSI D_1
TPCC.DISTRICT_26_DSI D_2
TPCC.DISTRICT_27_DSI D_3
TPCC.DISTRICT_28_DSI D_4
TPCC.DISTRICT_29_DSI D_5
TPCC.DISTRICT_30_DSI D_6
TPCC.DISTRICT_31_DSI D_1
#TPCC.DISTRICT_32_DSI D_2
#TPCC.DISTRICT_33_DSI D_3
#TPCC.DISTRICT_34_DSI D_4
#TPCC.DISTRICT_35_DSI D_5
#TPCC.DISTRICT_36_DSI D_6
#TPCC.DISTRICT_37_DSI D_1
#TPCC.DISTRICT_38_DSI D_2
```

```
## CUSTOMER_DSI buffer
TPCC.CUSTOMER_1_DSI C_1
TPCC.CUSTOMER_2_DSI C_2
TPCC.CUSTOMER_3_DSI C_3
TPCC.CUSTOMER_4_DSI C_4
TPCC.CUSTOMER_5_DSI C_5
TPCC.CUSTOMER_6_DSI C_6
TPCC.CUSTOMER_7_DSI C_7
TPCC.CUSTOMER_8_DSI C_8
TPCC.CUSTOMER_9_DSI C_9
TPCC.CUSTOMER_10_DSI C_10
TPCC.CUSTOMER_11_DSI C_11
TPCC.CUSTOMER_12_DSI C_12
TPCC.CUSTOMER_13_DSI C_1
TPCC.CUSTOMER_14_DSI C_2
TPCC.CUSTOMER_15_DSI C_3
TPCC.CUSTOMER_16_DSI C_4
TPCC.CUSTOMER_17_DSI C_5
TPCC.CUSTOMER_18_DSI C_6
TPCC.CUSTOMER_19_DSI C_7
TPCC.CUSTOMER_20_DSI C_8
TPCC.CUSTOMER_21_DSI C_9
TPCC.CUSTOMER_22_DSI C_10
TPCC.CUSTOMER_23_DSI C_11
TPCC.CUSTOMER_24_DSI C_12
TPCC.CUSTOMER_25_DSI C_1
TPCC.CUSTOMER_26_DSI C_2
TPCC.CUSTOMER_27_DSI C_3
TPCC.CUSTOMER_28_DSI C_4
TPCC.CUSTOMER_29_DSI C_5
TPCC.CUSTOMER_30_DSI C_6
TPCC.CUSTOMER_31_DSI C_7
TPCC.CUSTOMER_32_DSI C_8
TPCC.CUSTOMER_33_DSI C_9
TPCC.CUSTOMER_34_DSI C_10
TPCC.CUSTOMER_35_DSI C_11
TPCC.CUSTOMER_36_DSI C_12
TPCC.CUSTOMER_37_DSI C_1
```

TPCC.CUSTOMER_38_DSI	C_2	TPCC.CUSTOMER_106_DSI	C_10	#TPCC.CUSTOMER_174_DSI	C_6
TPCC.CUSTOMER_39_DSI	C_3	TPCC.CUSTOMER_107_DSI	C_11	#TPCC.CUSTOMER_175_DSI	C_7
TPCC.CUSTOMER_40_DSI	C_4	TPCC.CUSTOMER_108_DSI	C_12	#TPCC.CUSTOMER_176_DSI	C_8
TPCC.CUSTOMER_41_DSI	C_5	TPCC.CUSTOMER_109_DSI	C_1	#TPCC.CUSTOMER_177_DSI	C_9
TPCC.CUSTOMER_42_DSI	C_6	TPCC.CUSTOMER_110_DSI	C_2	#TPCC.CUSTOMER_178_DSI	C_10
TPCC.CUSTOMER_43_DSI	C_7	TPCC.CUSTOMER_111_DSI	C_3	#TPCC.CUSTOMER_179_DSI	C_11
TPCC.CUSTOMER_44_DSI	C_8	TPCC.CUSTOMER_112_DSI	C_4	#TPCC.CUSTOMER_180_DSI	C_12
TPCC.CUSTOMER_45_DSI	C_9	TPCC.CUSTOMER_113_DSI	C_5	#TPCC.CUSTOMER_181_DSI	C_1
TPCC.CUSTOMER_46_DSI	C_10	TPCC.CUSTOMER_114_DSI	C_6	#TPCC.CUSTOMER_182_DSI	C_2
TPCC.CUSTOMER_47_DSI	C_11	TPCC.CUSTOMER_115_DSI	C_7	#TPCC.CUSTOMER_183_DSI	C_3
TPCC.CUSTOMER_48_DSI	C_12	TPCC.CUSTOMER_116_DSI	C_8	#TPCC.CUSTOMER_184_DSI	C_4
TPCC.CUSTOMER_49_DSI	C_1	TPCC.CUSTOMER_117_DSI	C_9	#TPCC.CUSTOMER_185_DSI	C_5
TPCC.CUSTOMER_50_DSI	C_2	TPCC.CUSTOMER_118_DSI	C_10	#TPCC.CUSTOMER_186_DSI	C_6
TPCC.CUSTOMER_51_DSI	C_3	TPCC.CUSTOMER_119_DSI	C_11	#TPCC.CUSTOMER_187_DSI	C_7
TPCC.CUSTOMER_52_DSI	C_4	TPCC.CUSTOMER_120_DSI	C_12	#TPCC.CUSTOMER_188_DSI	C_8
TPCC.CUSTOMER_53_DSI	C_5	TPCC.CUSTOMER_121_DSI	C_1	#TPCC.CUSTOMER_189_DSI	C_9
TPCC.CUSTOMER_54_DSI	C_6	TPCC.CUSTOMER_122_DSI	C_2	#TPCC.CUSTOMER_190_DSI	C_10
TPCC.CUSTOMER_55_DSI	C_7	TPCC.CUSTOMER_123_DSI	C_3	#TPCC.CUSTOMER_191_DSI	C_11
TPCC.CUSTOMER_56_DSI	C_8	TPCC.CUSTOMER_124_DSI	C_4	#TPCC.CUSTOMER_192_DSI	C_12
TPCC.CUSTOMER_57_DSI	C_9	#TPCC.CUSTOMER_125_DSI	C_5	#TPCC.CUSTOMER_193_DSI	C_1
TPCC.CUSTOMER_58_DSI	C_10	#TPCC.CUSTOMER_126_DSI	C_6	#TPCC.CUSTOMER_194_DSI	C_2
TPCC.CUSTOMER_59_DSI	C_11	#TPCC.CUSTOMER_127_DSI	C_7	#TPCC.CUSTOMER_195_DSI	C_3
TPCC.CUSTOMER_60_DSI	C_12	#TPCC.CUSTOMER_128_DSI	C_8	#TPCC.CUSTOMER_196_DSI	C_4
TPCC.CUSTOMER_61_DSI	C_1	#TPCC.CUSTOMER_129_DSI	C_9	#TPCC.CUSTOMER_197_DSI	C_5
TPCC.CUSTOMER_62_DSI	C_2	#TPCC.CUSTOMER_130_DSI	C_10	#TPCC.CUSTOMER_198_DSI	C_6
TPCC.CUSTOMER_63_DSI	C_3	#TPCC.CUSTOMER_131_DSI	C_11	#TPCC.CUSTOMER_199_DSI	C_7
TPCC.CUSTOMER_64_DSI	C_4	#TPCC.CUSTOMER_132_DSI	C_12	#TPCC.CUSTOMER_200_DSI	C_8
TPCC.CUSTOMER_65_DSI	C_5	#TPCC.CUSTOMER_133_DSI	C_1	#TPCC.CUSTOMER_201_DSI	C_9
TPCC.CUSTOMER_66_DSI	C_6	#TPCC.CUSTOMER_134_DSI	C_2	#TPCC.CUSTOMER_202_DSI	C_10
TPCC.CUSTOMER_67_DSI	C_7	#TPCC.CUSTOMER_135_DSI	C_3	#TPCC.CUSTOMER_203_DSI	C_11
TPCC.CUSTOMER_68_DSI	C_8	#TPCC.CUSTOMER_136_DSI	C_4	#TPCC.CUSTOMER_204_DSI	C_12
TPCC.CUSTOMER_69_DSI	C_9	#TPCC.CUSTOMER_137_DSI	C_5	#TPCC.CUSTOMER_205_DSI	C_1
TPCC.CUSTOMER_70_DSI	C_10	#TPCC.CUSTOMER_138_DSI	C_6	#TPCC.CUSTOMER_206_DSI	C_2
TPCC.CUSTOMER_71_DSI	C_11	#TPCC.CUSTOMER_139_DSI	C_7	#TPCC.CUSTOMER_207_DSI	C_3
TPCC.CUSTOMER_72_DSI	C_12	#TPCC.CUSTOMER_140_DSI	C_8	#TPCC.CUSTOMER_208_DSI	C_4
TPCC.CUSTOMER_73_DSI	C_1	#TPCC.CUSTOMER_141_DSI	C_9	#TPCC.CUSTOMER_209_DSI	C_5
TPCC.CUSTOMER_74_DSI	C_2	#TPCC.CUSTOMER_142_DSI	C_10	#TPCC.CUSTOMER_210_DSI	C_6
TPCC.CUSTOMER_75_DSI	C_3	#TPCC.CUSTOMER_143_DSI	C_11	#TPCC.CUSTOMER_211_DSI	C_7
TPCC.CUSTOMER_76_DSI	C_4	#TPCC.CUSTOMER_144_DSI	C_12	#TPCC.CUSTOMER_212_DSI	C_8
TPCC.CUSTOMER_77_DSI	C_5	#TPCC.CUSTOMER_145_DSI	C_1	#TPCC.CUSTOMER_213_DSI	C_9
TPCC.CUSTOMER_78_DSI	C_6	#TPCC.CUSTOMER_146_DSI	C_2	#TPCC.CUSTOMER_214_DSI	C_10
TPCC.CUSTOMER_79_DSI	C_7	#TPCC.CUSTOMER_147_DSI	C_3	#TPCC.CUSTOMER_215_DSI	C_11
TPCC.CUSTOMER_80_DSI	C_8	#TPCC.CUSTOMER_148_DSI	C_4	#TPCC.CUSTOMER_216_DSI	C_12
TPCC.CUSTOMER_81_DSI	C_9	#TPCC.CUSTOMER_149_DSI	C_5	#TPCC.CUSTOMER_217_DSI	C_1
TPCC.CUSTOMER_82_DSI	C_10	#TPCC.CUSTOMER_150_DSI	C_6	#TPCC.CUSTOMER_218_DSI	C_2
TPCC.CUSTOMER_83_DSI	C_11	#TPCC.CUSTOMER_151_DSI	C_7	#TPCC.CUSTOMER_219_DSI	C_3
TPCC.CUSTOMER_84_DSI	C_12	#TPCC.CUSTOMER_152_DSI	C_8	#TPCC.CUSTOMER_220_DSI	C_4
TPCC.CUSTOMER_85_DSI	C_1	#TPCC.CUSTOMER_153_DSI	C_9	#TPCC.CUSTOMER_221_DSI	C_5
TPCC.CUSTOMER_86_DSI	C_2	#TPCC.CUSTOMER_154_DSI	C_10	#TPCC.CUSTOMER_222_DSI	C_6
TPCC.CUSTOMER_87_DSI	C_3	#TPCC.CUSTOMER_155_DSI	C_11	#TPCC.CUSTOMER_223_DSI	C_7
TPCC.CUSTOMER_88_DSI	C_4	#TPCC.CUSTOMER_156_DSI	C_12	#TPCC.CUSTOMER_224_DSI	C_8
TPCC.CUSTOMER_89_DSI	C_5	#TPCC.CUSTOMER_157_DSI	C_1	#TPCC.CUSTOMER_225_DSI	C_9
TPCC.CUSTOMER_90_DSI	C_6	#TPCC.CUSTOMER_158_DSI	C_2	#TPCC.CUSTOMER_226_DSI	C_10
TPCC.CUSTOMER_91_DSI	C_7	#TPCC.CUSTOMER_159_DSI	C_3	#TPCC.CUSTOMER_227_DSI	C_11
TPCC.CUSTOMER_92_DSI	C_8	#TPCC.CUSTOMER_160_DSI	C_4	#TPCC.CUSTOMER_228_DSI	C_12
TPCC.CUSTOMER_93_DSI	C_9	#TPCC.CUSTOMER_161_DSI	C_5	#TPCC.CUSTOMER_229_DSI	C_1
TPCC.CUSTOMER_94_DSI	C_10	#TPCC.CUSTOMER_162_DSI	C_6	#TPCC.CUSTOMER_230_DSI	C_2
TPCC.CUSTOMER_95_DSI	C_11	#TPCC.CUSTOMER_163_DSI	C_7	#TPCC.CUSTOMER_231_DSI	C_3
TPCC.CUSTOMER_96_DSI	C_12	#TPCC.CUSTOMER_164_DSI	C_8	#TPCC.CUSTOMER_232_DSI	C_4
TPCC.CUSTOMER_97_DSI	C_1	#TPCC.CUSTOMER_165_DSI	C_9	#TPCC.CUSTOMER_233_DSI	C_5
TPCC.CUSTOMER_98_DSI	C_2	#TPCC.CUSTOMER_166_DSI	C_10	#TPCC.CUSTOMER_234_DSI	C_6
TPCC.CUSTOMER_99_DSI	C_3	#TPCC.CUSTOMER_167_DSI	C_11	#TPCC.CUSTOMER_235_DSI	C_7
TPCC.CUSTOMER_100_DSI	C_4	#TPCC.CUSTOMER_168_DSI	C_12	#TPCC.CUSTOMER_236_DSI	C_8
TPCC.CUSTOMER_101_DSI	C_5	#TPCC.CUSTOMER_169_DSI	C_1	#TPCC.CUSTOMER_237_DSI	C_9
TPCC.CUSTOMER_102_DSI	C_6	#TPCC.CUSTOMER_170_DSI	C_2	#TPCC.CUSTOMER_238_DSI	C_10
TPCC.CUSTOMER_103_DSI	C_7	#TPCC.CUSTOMER_171_DSI	C_3	#TPCC.CUSTOMER_239_DSI	C_11
TPCC.CUSTOMER_104_DSI	C_8	#TPCC.CUSTOMER_172_DSI	C_4	#TPCC.CUSTOMER_240_DSI	C_12
TPCC.CUSTOMER_105_DSI	C_9	#TPCC.CUSTOMER_173_DSI	C_5		



#TPCC.CUSTOMER_X_204DSI	C_IX_6	TPCC.ORDERS_30_DSI	0_6	TPCC.ORDERS_98_DSI	0_2
#TPCC.CUSTOMER_X_205DSI	C_IX_1	TPCC.ORDERS_31_DSI	0_1	TPCC.ORDERS_99_DSI	0_3
#TPCC.CUSTOMER_X_206DSI	C_IX_2	TPCC.ORDERS_32_DSI	0_2	TPCC.ORDERS_100_DSI	0_4
#TPCC.CUSTOMER_X_207DSI	C_IX_3	TPCC.ORDERS_33_DSI	0_3	TPCC.ORDERS_101_DSI	0_5
#TPCC.CUSTOMER_X_208DSI	C_IX_4	TPCC.ORDERS_34_DSI	0_4	TPCC.ORDERS_102_DSI	0_6
#TPCC.CUSTOMER_X_209DSI	C_IX_5	TPCC.ORDERS_35_DSI	0_5	TPCC.ORDERS_103_DSI	0_1
#TPCC.CUSTOMER_X_210DSI	C_IX_6	TPCC.ORDERS_36_DSI	0_6	TPCC.ORDERS_104_DSI	0_2
#TPCC.CUSTOMER_X_211DSI	C_IX_1	TPCC.ORDERS_37_DSI	0_1	TPCC.ORDERS_105_DSI	0_3
#TPCC.CUSTOMER_X_212DSI	C_IX_2	TPCC.ORDERS_38_DSI	0_2	TPCC.ORDERS_106_DSI	0_4
#TPCC.CUSTOMER_X_213DSI	C_IX_3	TPCC.ORDERS_39_DSI	0_3	TPCC.ORDERS_107_DSI	0_5
#TPCC.CUSTOMER_X_214DSI	C_IX_4	TPCC.ORDERS_40_DSI	0_4	TPCC.ORDERS_108_DSI	0_6
#TPCC.CUSTOMER_X_215DSI	C_IX_5	TPCC.ORDERS_41_DSI	0_5	TPCC.ORDERS_109_DSI	0_1
#TPCC.CUSTOMER_X_216DSI	C_IX_6	TPCC.ORDERS_42_DSI	0_6	TPCC.ORDERS_110_DSI	0_2
#TPCC.CUSTOMER_X_217DSI	C_IX_1	TPCC.ORDERS_43_DSI	0_1	TPCC.ORDERS_111_DSI	0_3
#TPCC.CUSTOMER_X_218DSI	C_IX_2	TPCC.ORDERS_44_DSI	0_2	TPCC.ORDERS_112_DSI	0_4
#TPCC.CUSTOMER_X_219DSI	C_IX_3	TPCC.ORDERS_45_DSI	0_3	TPCC.ORDERS_113_DSI	0_5
#TPCC.CUSTOMER_X_220DSI	C_IX_4	TPCC.ORDERS_46_DSI	0_4	TPCC.ORDERS_114_DSI	0_6
#TPCC.CUSTOMER_X_221DSI	C_IX_5	TPCC.ORDERS_47_DSI	0_5	TPCC.ORDERS_115_DSI	0_1
#TPCC.CUSTOMER_X_222DSI	C_IX_6	TPCC.ORDERS_48_DSI	0_6	TPCC.ORDERS_116_DSI	0_2
#TPCC.CUSTOMER_X_223DSI	C_IX_1	TPCC.ORDERS_49_DSI	0_1	TPCC.ORDERS_117_DSI	0_3
#TPCC.CUSTOMER_X_224DSI	C_IX_2	TPCC.ORDERS_50_DSI	0_2	TPCC.ORDERS_118_DSI	0_4
#TPCC.CUSTOMER_X_225DSI	C_IX_3	TPCC.ORDERS_51_DSI	0_3	TPCC.ORDERS_119_DSI	0_5
#TPCC.CUSTOMER_X_226DSI	C_IX_4	TPCC.ORDERS_52_DSI	0_4	TPCC.ORDERS_120_DSI	0_6
#TPCC.CUSTOMER_X_227DSI	C_IX_5	TPCC.ORDERS_53_DSI	0_5	TPCC.ORDERS_121_DSI	0_1
#TPCC.CUSTOMER_X_228DSI	C_IX_6	TPCC.ORDERS_54_DSI	0_6	TPCC.ORDERS_122_DSI	0_2
#TPCC.CUSTOMER_X_229DSI	C_IX_1	TPCC.ORDERS_55_DSI	0_1	TPCC.ORDERS_123_DSI	0_3
#TPCC.CUSTOMER_X_230DSI	C_IX_2	TPCC.ORDERS_56_DSI	0_2	TPCC.ORDERS_124_DSI	0_4
#TPCC.CUSTOMER_X_231DSI	C_IX_3	TPCC.ORDERS_57_DSI	0_3	#TPCC.ORDERS_125_DSI	0_5
#TPCC.CUSTOMER_X_232DSI	C_IX_4	TPCC.ORDERS_58_DSI	0_4	#TPCC.ORDERS_126_DSI	0_6
#TPCC.CUSTOMER_X_233DSI	C_IX_5	TPCC.ORDERS_59_DSI	0_5	#TPCC.ORDERS_127_DSI	0_1
#TPCC.CUSTOMER_X_234DSI	C_IX_6	TPCC.ORDERS_60_DSI	0_6	#TPCC.ORDERS_128_DSI	0_2
#TPCC.CUSTOMER_X_235DSI	C_IX_1	TPCC.ORDERS_61_DSI	0_1	#TPCC.ORDERS_129_DSI	0_3
#TPCC.CUSTOMER_X_236DSI	C_IX_2	TPCC.ORDERS_62_DSI	0_2	#TPCC.ORDERS_130_DSI	0_4
#TPCC.CUSTOMER_X_237DSI	C_IX_3	TPCC.ORDERS_63_DSI	0_3	#TPCC.ORDERS_131_DSI	0_5
#TPCC.CUSTOMER_X_238DSI	C_IX_4	TPCC.ORDERS_64_DSI	0_4	#TPCC.ORDERS_132_DSI	0_6
#TPCC.CUSTOMER_X_239DSI	C_IX_5	TPCC.ORDERS_65_DSI	0_5	#TPCC.ORDERS_133_DSI	0_1
#TPCC.CUSTOMER_X_240DSI	C_IX_6	TPCC.ORDERS_66_DSI	0_6	#TPCC.ORDERS_134_DSI	0_2
		TPCC.ORDERS_67_DSI	0_1	#TPCC.ORDERS_135_DSI	0_3
		TPCC.ORDERS_68_DSI	0_2	#TPCC.ORDERS_136_DSI	0_4
		TPCC.ORDERS_69_DSI	0_3	#TPCC.ORDERS_137_DSI	0_5
		TPCC.ORDERS_70_DSI	0_4	#TPCC.ORDERS_138_DSI	0_6
		TPCC.ORDERS_71_DSI	0_5	#TPCC.ORDERS_139_DSI	0_1
		TPCC.ORDERS_72_DSI	0_6	#TPCC.ORDERS_140_DSI	0_2
		TPCC.ORDERS_73_DSI	0_1	#TPCC.ORDERS_141_DSI	0_3
		TPCC.ORDERS_74_DSI	0_2	#TPCC.ORDERS_142_DSI	0_4
		TPCC.ORDERS_75_DSI	0_3	#TPCC.ORDERS_143_DSI	0_5
		TPCC.ORDERS_76_DSI	0_4	#TPCC.ORDERS_144_DSI	0_6
		TPCC.ORDERS_77_DSI	0_5	#TPCC.ORDERS_145_DSI	0_1
		TPCC.ORDERS_78_DSI	0_6	#TPCC.ORDERS_146_DSI	0_2
		TPCC.ORDERS_79_DSI	0_1	#TPCC.ORDERS_147_DSI	0_3
		TPCC.ORDERS_80_DSI	0_2	#TPCC.ORDERS_148_DSI	0_4
		TPCC.ORDERS_81_DSI	0_3	#TPCC.ORDERS_149_DSI	0_5
		TPCC.ORDERS_82_DSI	0_4	#TPCC.ORDERS_150_DSI	0_6
		TPCC.ORDERS_83_DSI	0_5	#TPCC.ORDERS_151_DSI	0_1
		TPCC.ORDERS_84_DSI	0_6	#TPCC.ORDERS_152_DSI	0_2
		TPCC.ORDERS_85_DSI	0_1	#TPCC.ORDERS_153_DSI	0_3
		TPCC.ORDERS_86_DSI	0_2	#TPCC.ORDERS_154_DSI	0_4
		TPCC.ORDERS_87_DSI	0_3	#TPCC.ORDERS_155_DSI	0_5
		TPCC.ORDERS_88_DSI	0_4	#TPCC.ORDERS_156_DSI	0_6
		TPCC.ORDERS_89_DSI	0_5	#TPCC.ORDERS_157_DSI	0_1
		TPCC.ORDERS_90_DSI	0_6	#TPCC.ORDERS_158_DSI	0_2
		TPCC.ORDERS_91_DSI	0_1	#TPCC.ORDERS_159_DSI	0_3
		TPCC.ORDERS_92_DSI	0_2	#TPCC.ORDERS_160_DSI	0_4
		TPCC.ORDERS_93_DSI	0_3	#TPCC.ORDERS_161_DSI	0_5
		TPCC.ORDERS_94_DSI	0_4	#TPCC.ORDERS_162_DSI	0_6
		TPCC.ORDERS_95_DSI	0_5	#TPCC.ORDERS_163_DSI	0_1
		TPCC.ORDERS_96_DSI	0_6	#TPCC.ORDERS_164_DSI	0_2
		TPCC.ORDERS_97_DSI	0_1	#TPCC.ORDERS_165_DSI	0_3
## ORDERS_DSI buffer					
TPCC.ORDERS_1_DSI O_1					
TPCC.ORDERS_2_DSI O_2					
TPCC.ORDERS_3_DSI O_3					
TPCC.ORDERS_4_DSI O_4					
TPCC.ORDERS_5_DSI O_5					
TPCC.ORDERS_6_DSI O_6					
TPCC.ORDERS_7_DSI O_1					
TPCC.ORDERS_8_DSI O_2					
TPCC.ORDERS_9_DSI O_3					
TPCC.ORDERS_10_DSI	0_4				
TPCC.ORDERS_11_DSI	0_5				
TPCC.ORDERS_12_DSI	0_6				
TPCC.ORDERS_13_DSI	0_1				
TPCC.ORDERS_14_DSI	0_2				
TPCC.ORDERS_15_DSI	0_3				
TPCC.ORDERS_16_DSI	0_4				
TPCC.ORDERS_17_DSI	0_5				
TPCC.ORDERS_18_DSI	0_6				
TPCC.ORDERS_19_DSI	0_1				
TPCC.ORDERS_20_DSI	0_2				
TPCC.ORDERS_21_DSI	0_3				
TPCC.ORDERS_22_DSI	0_4				
TPCC.ORDERS_23_DSI	0_5				
TPCC.ORDERS_24_DSI	0_6				
TPCC.ORDERS_25_DSI	0_1				
TPCC.ORDERS_26_DSI	0_2				
TPCC.ORDERS_27_DSI	0_3				
TPCC.ORDERS_28_DSI	0_4				
TPCC.ORDERS_29_DSI	0_5				

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#TPCC.ORDERS_166_DSI  O_4
#TPCC.ORDERS_167_DSI  O_5
#TPCC.ORDERS_168_DSI  O_6
#TPCC.ORDERS_169_DSI  O_1
#TPCC.ORDERS_170_DSI  O_2
#TPCC.ORDERS_171_DSI  O_3
#TPCC.ORDERS_172_DSI  O_4
#TPCC.ORDERS_173_DSI  O_5
#TPCC.ORDERS_174_DSI  O_6
#TPCC.ORDERS_175_DSI  O_1
#TPCC.ORDERS_176_DSI  O_2
#TPCC.ORDERS_177_DSI  O_3
#TPCC.ORDERS_178_DSI  O_4
#TPCC.ORDERS_179_DSI  O_5
#TPCC.ORDERS_180_DSI  O_6
#TPCC.ORDERS_181_DSI  O_1
#TPCC.ORDERS_182_DSI  O_2
#TPCC.ORDERS_183_DSI  O_3
#TPCC.ORDERS_184_DSI  O_4
#TPCC.ORDERS_185_DSI  O_5
#TPCC.ORDERS_186_DSI  O_6
#TPCC.ORDERS_187_DSI  O_1
#TPCC.ORDERS_188_DSI  O_2
#TPCC.ORDERS_189_DSI  O_3
#TPCC.ORDERS_190_DSI  O_4
#TPCC.ORDERS_191_DSI  O_5
#TPCC.ORDERS_192_DSI  O_6
#TPCC.ORDERS_193_DSI  O_1
#TPCC.ORDERS_194_DSI  O_2
#TPCC.ORDERS_195_DSI  O_3
#TPCC.ORDERS_196_DSI  O_4
#TPCC.ORDERS_197_DSI  O_5
#TPCC.ORDERS_198_DSI  O_6
#TPCC.ORDERS_199_DSI  O_1
#TPCC.ORDERS_200_DSI  O_2
#TPCC.ORDERS_201_DSI  O_3
#TPCC.ORDERS_202_DSI  O_4
#TPCC.ORDERS_203_DSI  O_5
#TPCC.ORDERS_204_DSI  O_6
#TPCC.ORDERS_205_DSI  O_1
#TPCC.ORDERS_206_DSI  O_2
#TPCC.ORDERS_207_DSI  O_3
#TPCC.ORDERS_208_DSI  O_4
#TPCC.ORDERS_209_DSI  O_5
#TPCC.ORDERS_210_DSI  O_6
#TPCC.ORDERS_211_DSI  O_1
#TPCC.ORDERS_212_DSI  O_2
#TPCC.ORDERS_213_DSI  O_3
#TPCC.ORDERS_214_DSI  O_4
#TPCC.ORDERS_215_DSI  O_5
#TPCC.ORDERS_216_DSI  O_6
#TPCC.ORDERS_217_DSI  O_3
#TPCC.ORDERS_218_DSI  O_4
#TPCC.ORDERS_219_DSI  O_5
#TPCC.ORDERS_220_DSI  O_6
#TPCC.ORDERS_221_DSI  O_1
#TPCC.ORDERS_222_DSI  O_2
#TPCC.ORDERS_223_DSI  O_3
#TPCC.ORDERS_224_DSI  O_4
#TPCC.ORDERS_225_DSI  O_5
#TPCC.ORDERS_226_DSI  O_6
#TPCC.ORDERS_227_DSI  O_3
#TPCC.ORDERS_228_DSI  O_4
#TPCC.ORDERS_229_DSI  O_5
#TPCC.ORDERS_230_DSI  O_6
#TPCC.ORDERS_231_DSI  O_1
#TPCC.ORDERS_232_DSI  O_2
#TPCC.ORDERS_233_DSI  O_3

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#TPCC.ORDERS_234_DSI  O_4
#TPCC.ORDERS_235_DSI  O_5
#TPCC.ORDERS_236_DSI  O_6
#TPCC.ORDERS_237_DSI  O_3
#TPCC.ORDERS_238_DSI  O_4
#TPCC.ORDERS_239_DSI  O_5
#TPCC.ORDERS_240_DSI  O_6

## ORDERS_IX_DSI buffer
TPCC.ORDERS_IX_1_DSI  O_IX_1
TPCC.ORDERS_IX_2_DSI  O_IX_2
TPCC.ORDERS_IX_3_DSI  O_IX_3
TPCC.ORDERS_IX_4_DSI  O_IX_4
TPCC.ORDERS_IX_5_DSI  O_IX_5
TPCC.ORDERS_IX_6_DSI  O_IX_6
TPCC.ORDERS_IX_7_DSI  O_IX_1
TPCC.ORDERS_IX_8_DSI  O_IX_2
TPCC.ORDERS_IX_9_DSI  O_IX_3
TPCC.ORDERS_IX_10_DSI O_IX_4
TPCC.ORDERS_IX_11_DSI O_IX_5
TPCC.ORDERS_IX_12_DSI O_IX_6
TPCC.ORDERS_IX_13_DSI O_IX_1
TPCC.ORDERS_IX_14_DSI O_IX_2
TPCC.ORDERS_IX_15_DSI O_IX_3
TPCC.ORDERS_IX_16_DSI O_IX_4
TPCC.ORDERS_IX_17_DSI O_IX_5
TPCC.ORDERS_IX_18_DSI O_IX_6
TPCC.ORDERS_IX_19_DSI O_IX_1
TPCC.ORDERS_IX_20_DSI O_IX_2
TPCC.ORDERS_IX_21_DSI O_IX_3
TPCC.ORDERS_IX_22_DSI O_IX_4
TPCC.ORDERS_IX_23_DSI O_IX_5
TPCC.ORDERS_IX_24_DSI O_IX_6
TPCC.ORDERS_IX_25_DSI O_IX_1
TPCC.ORDERS_IX_26_DSI O_IX_2
TPCC.ORDERS_IX_27_DSI O_IX_3
TPCC.ORDERS_IX_28_DSI O_IX_4
TPCC.ORDERS_IX_29_DSI O_IX_5
TPCC.ORDERS_IX_30_DSI O_IX_6
TPCC.ORDERS_IX_31_DSI O_IX_1
TPCC.ORDERS_IX_32_DSI O_IX_2
TPCC.ORDERS_IX_33_DSI O_IX_3
TPCC.ORDERS_IX_34_DSI O_IX_4
TPCC.ORDERS_IX_35_DSI O_IX_5
TPCC.ORDERS_IX_36_DSI O_IX_6
TPCC.ORDERS_IX_37_DSI O_IX_1
TPCC.ORDERS_IX_38_DSI O_IX_2
TPCC.ORDERS_IX_39_DSI O_IX_3
TPCC.ORDERS_IX_40_DSI O_IX_4
TPCC.ORDERS_IX_41_DSI O_IX_5
TPCC.ORDERS_IX_42_DSI O_IX_6
TPCC.ORDERS_IX_43_DSI O_IX_1
TPCC.ORDERS_IX_44_DSI O_IX_2
TPCC.ORDERS_IX_45_DSI O_IX_3
TPCC.ORDERS_IX_46_DSI O_IX_4
TPCC.ORDERS_IX_47_DSI O_IX_5
TPCC.ORDERS_IX_48_DSI O_IX_6
TPCC.ORDERS_IX_49_DSI O_IX_1
TPCC.ORDERS_IX_50_DSI O_IX_2
TPCC.ORDERS_IX_51_DSI O_IX_3
TPCC.ORDERS_IX_52_DSI O_IX_4
TPCC.ORDERS_IX_53_DSI O_IX_5
TPCC.ORDERS_IX_54_DSI O_IX_6
TPCC.ORDERS_IX_55_DSI O_IX_1
TPCC.ORDERS_IX_56_DSI O_IX_2
TPCC.ORDERS_IX_57_DSI O_IX_3
TPCC.ORDERS_IX_58_DSI O_IX_4
TPCC.ORDERS_IX_59_DSI O_IX_5

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TPCC.ORDERS_IX_60_DSI O_IX_6
TPCC.ORDERS_IX_61_DSI O_IX_1
TPCC.ORDERS_IX_62_DSI O_IX_2
TPCC.ORDERS_IX_63_DSI O_IX_3
TPCC.ORDERS_IX_64_DSI O_IX_4
TPCC.ORDERS_IX_65_DSI O_IX_5
TPCC.ORDERS_IX_66_DSI O_IX_6
TPCC.ORDERS_IX_67_DSI O_IX_1
TPCC.ORDERS_IX_68_DSI O_IX_2
TPCC.ORDERS_IX_69_DSI O_IX_3
TPCC.ORDERS_IX_70_DSI O_IX_4
TPCC.ORDERS_IX_71_DSI O_IX_5
TPCC.ORDERS_IX_72_DSI O_IX_6
TPCC.ORDERS_IX_73_DSI O_IX_1
TPCC.ORDERS_IX_74_DSI O_IX_2
TPCC.ORDERS_IX_75_DSI O_IX_3
TPCC.ORDERS_IX_76_DSI O_IX_4
TPCC.ORDERS_IX_77_DSI O_IX_5
TPCC.ORDERS_IX_78_DSI O_IX_6
TPCC.ORDERS_IX_79_DSI O_IX_1
TPCC.ORDERS_IX_80_DSI O_IX_2
TPCC.ORDERS_IX_81_DSI O_IX_3
TPCC.ORDERS_IX_82_DSI O_IX_4
TPCC.ORDERS_IX_83_DSI O_IX_5
TPCC.ORDERS_IX_84_DSI O_IX_6
TPCC.ORDERS_IX_85_DSI O_IX_1
TPCC.ORDERS_IX_86_DSI O_IX_2
TPCC.ORDERS_IX_87_DSI O_IX_3
TPCC.ORDERS_IX_88_DSI O_IX_4
TPCC.ORDERS_IX_89_DSI O_IX_5
TPCC.ORDERS_IX_90_DSI O_IX_6
TPCC.ORDERS_IX_91_DSI O_IX_1
TPCC.ORDERS_IX_92_DSI O_IX_2
TPCC.ORDERS_IX_93_DSI O_IX_3
TPCC.ORDERS_IX_94_DSI O_IX_4
TPCC.ORDERS_IX_95_DSI O_IX_5
TPCC.ORDERS_IX_96_DSI O_IX_6
TPCC.ORDERS_IX_97_DSI O_IX_1
TPCC.ORDERS_IX_98_DSI O_IX_2
TPCC.ORDERS_IX_99_DSI O_IX_3
TPCC.ORDERS_IX_100_DSI O_IX_4
TPCC.ORDERS_IX_101_DSI O_IX_5
TPCC.ORDERS_IX_102_DSI O_IX_6
TPCC.ORDERS_IX_103_DSI O_IX_1
TPCC.ORDERS_IX_104_DSI O_IX_2
TPCC.ORDERS_IX_105_DSI O_IX_3
TPCC.ORDERS_IX_106_DSI O_IX_4
TPCC.ORDERS_IX_107_DSI O_IX_5
TPCC.ORDERS_IX_108_DSI O_IX_6
TPCC.ORDERS_IX_109_DSI O_IX_1
TPCC.ORDERS_IX_110_DSI O_IX_2
TPCC.ORDERS_IX_111_DSI O_IX_3
TPCC.ORDERS_IX_112_DSI O_IX_4
TPCC.ORDERS_IX_113_DSI O_IX_5
TPCC.ORDERS_IX_114_DSI O_IX_6
TPCC.ORDERS_IX_115_DSI O_IX_1
TPCC.ORDERS_IX_116_DSI O_IX_2
TPCC.ORDERS_IX_117_DSI O_IX_3
TPCC.ORDERS_IX_118_DSI O_IX_4
TPCC.ORDERS_IX_119_DSI O_IX_5
TPCC.ORDERS_IX_120_DSI O_IX_6
TPCC.ORDERS_IX_121_DSI O_IX_1
TPCC.ORDERS_IX_122_DSI O_IX_2
TPCC.ORDERS_IX_123_DSI O_IX_3
TPCC.ORDERS_IX_124_DSI O_IX_4
#TPCC.ORDERS_IX_125_DSI O_IX_5
#TPCC.ORDERS_IX_126_DSI O_IX_6
#TPCC.ORDERS_IX_127_DSI O_IX_1

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#TPCC.ORDERS_IX_128_DSI	O_IX_2	#TPCC.ORDERS_IX_196_DSI	O_IX_4	TPCC.ORDERLIN_22_DSI	OL_11
#TPCC.ORDERS_IX_129_DSI	O_IX_3	#TPCC.ORDERS_IX_197_DSI	O_IX_5	TPCC.ORDERLIN_23_DSI	OL_12
#TPCC.ORDERS_IX_130_DSI	O_IX_4	#TPCC.ORDERS_IX_198_DSI	O_IX_6	TPCC.ORDERLIN_24_DSI	OL_12
#TPCC.ORDERS_IX_131_DSI	O_IX_5	#TPCC.ORDERS_IX_199_DSI	O_IX_1	TPCC.ORDERLIN_25_DSI	OL_1
#TPCC.ORDERS_IX_132_DSI	O_IX_6	#TPCC.ORDERS_IX_200_DSI	O_IX_2	TPCC.ORDERLIN_26_DSI	OL_1
#TPCC.ORDERS_IX_133_DSI	O_IX_1	#TPCC.ORDERS_IX_201_DSI	O_IX_3	TPCC.ORDERLIN_27_DSI	OL_2
#TPCC.ORDERS_IX_134_DSI	O_IX_2	#TPCC.ORDERS_IX_202_DSI	O_IX_4	TPCC.ORDERLIN_28_DSI	OL_2
#TPCC.ORDERS_IX_135_DSI	O_IX_3	#TPCC.ORDERS_IX_203_DSI	O_IX_5	TPCC.ORDERLIN_29_DSI	OL_3
#TPCC.ORDERS_IX_136_DSI	O_IX_4	#TPCC.ORDERS_IX_204_DSI	O_IX_6	TPCC.ORDERLIN_30_DSI	OL_3
#TPCC.ORDERS_IX_137_DSI	O_IX_5	#TPCC.ORDERS_IX_205_DSI	O_IX_1	TPCC.ORDERLIN_31_DSI	OL_4
#TPCC.ORDERS_IX_138_DSI	O_IX_6	#TPCC.ORDERS_IX_206_DSI	O_IX_2	TPCC.ORDERLIN_32_DSI	OL_4
#TPCC.ORDERS_IX_139_DSI	O_IX_1	#TPCC.ORDERS_IX_207_DSI	O_IX_3	TPCC.ORDERLIN_33_DSI	OL_5
#TPCC.ORDERS_IX_140_DSI	O_IX_2	#TPCC.ORDERS_IX_208_DSI	O_IX_4	TPCC.ORDERLIN_34_DSI	OL_5
#TPCC.ORDERS_IX_141_DSI	O_IX_3	#TPCC.ORDERS_IX_209_DSI	O_IX_5	TPCC.ORDERLIN_35_DSI	OL_6
#TPCC.ORDERS_IX_142_DSI	O_IX_4	#TPCC.ORDERS_IX_210_DSI	O_IX_6	TPCC.ORDERLIN_36_DSI	OL_6
#TPCC.ORDERS_IX_143_DSI	O_IX_5	#TPCC.ORDERS_IX_211_DSI	O_IX_1	TPCC.ORDERLIN_37_DSI	OL_7
#TPCC.ORDERS_IX_144_DSI	O_IX_6	#TPCC.ORDERS_IX_212_DSI	O_IX_2	TPCC.ORDERLIN_38_DSI	OL_7
#TPCC.ORDERS_IX_145_DSI	O_IX_1	#TPCC.ORDERS_IX_213_DSI	O_IX_3	TPCC.ORDERLIN_39_DSI	OL_8
#TPCC.ORDERS_IX_146_DSI	O_IX_2	#TPCC.ORDERS_IX_214_DSI	O_IX_4	TPCC.ORDERLIN_40_DSI	OL_8
#TPCC.ORDERS_IX_147_DSI	O_IX_3	#TPCC.ORDERS_IX_215_DSI	O_IX_5	TPCC.ORDERLIN_41_DSI	OL_9
#TPCC.ORDERS_IX_148_DSI	O_IX_4	#TPCC.ORDERS_IX_216_DSI	O_IX_6	TPCC.ORDERLIN_42_DSI	OL_9
#TPCC.ORDERS_IX_149_DSI	O_IX_5	#TPCC.ORDERS_IX_217_DSI	O_IX_3	TPCC.ORDERLIN_43_DSI	OL_10
#TPCC.ORDERS_IX_150_DSI	O_IX_6	#TPCC.ORDERS_IX_218_DSI	O_IX_4	TPCC.ORDERLIN_44_DSI	OL_10
#TPCC.ORDERS_IX_151_DSI	O_IX_1	#TPCC.ORDERS_IX_219_DSI	O_IX_5	TPCC.ORDERLIN_45_DSI	OL_11
#TPCC.ORDERS_IX_152_DSI	O_IX_2	#TPCC.ORDERS_IX_220_DSI	O_IX_6	TPCC.ORDERLIN_46_DSI	OL_11
#TPCC.ORDERS_IX_153_DSI	O_IX_3	#TPCC.ORDERS_IX_221_DSI	O_IX_1	TPCC.ORDERLIN_47_DSI	OL_12
#TPCC.ORDERS_IX_154_DSI	O_IX_4	#TPCC.ORDERS_IX_222_DSI	O_IX_2	TPCC.ORDERLIN_48_DSI	OL_12
#TPCC.ORDERS_IX_155_DSI	O_IX_5	#TPCC.ORDERS_IX_223_DSI	O_IX_3	TPCC.ORDERLIN_49_DSI	OL_1
#TPCC.ORDERS_IX_156_DSI	O_IX_6	#TPCC.ORDERS_IX_224_DSI	O_IX_4	TPCC.ORDERLIN_50_DSI	OL_1
#TPCC.ORDERS_IX_157_DSI	O_IX_1	#TPCC.ORDERS_IX_225_DSI	O_IX_5	TPCC.ORDERLIN_51_DSI	OL_2
#TPCC.ORDERS_IX_158_DSI	O_IX_2	#TPCC.ORDERS_IX_226_DSI	O_IX_6	TPCC.ORDERLIN_52_DSI	OL_2
#TPCC.ORDERS_IX_159_DSI	O_IX_3	#TPCC.ORDERS_IX_227_DSI	O_IX_3	TPCC.ORDERLIN_53_DSI	OL_3
#TPCC.ORDERS_IX_160_DSI	O_IX_4	#TPCC.ORDERS_IX_228_DSI	O_IX_4	TPCC.ORDERLIN_54_DSI	OL_3
#TPCC.ORDERS_IX_161_DSI	O_IX_5	#TPCC.ORDERS_IX_229_DSI	O_IX_5	TPCC.ORDERLIN_55_DSI	OL_4
#TPCC.ORDERS_IX_162_DSI	O_IX_6	#TPCC.ORDERS_IX_230_DSI	O_IX_6	TPCC.ORDERLIN_56_DSI	OL_4
#TPCC.ORDERS_IX_163_DSI	O_IX_1	#TPCC.ORDERS_IX_231_DSI	O_IX_1	TPCC.ORDERLIN_57_DSI	OL_5
#TPCC.ORDERS_IX_164_DSI	O_IX_2	#TPCC.ORDERS_IX_232_DSI	O_IX_2	TPCC.ORDERLIN_58_DSI	OL_5
#TPCC.ORDERS_IX_165_DSI	O_IX_3	#TPCC.ORDERS_IX_233_DSI	O_IX_3	TPCC.ORDERLIN_59_DSI	OL_6
#TPCC.ORDERS_IX_166_DSI	O_IX_4	#TPCC.ORDERS_IX_234_DSI	O_IX_4	TPCC.ORDERLIN_60_DSI	OL_6
#TPCC.ORDERS_IX_167_DSI	O_IX_5	#TPCC.ORDERS_IX_235_DSI	O_IX_5	TPCC.ORDERLIN_61_DSI	OL_7
#TPCC.ORDERS_IX_168_DSI	O_IX_6	#TPCC.ORDERS_IX_236_DSI	O_IX_6	TPCC.ORDERLIN_62_DSI	OL_7
#TPCC.ORDERS_IX_169_DSI	O_IX_1	#TPCC.ORDERS_IX_237_DSI	O_IX_3	TPCC.ORDERLIN_63_DSI	OL_8
#TPCC.ORDERS_IX_170_DSI	O_IX_2	#TPCC.ORDERS_IX_238_DSI	O_IX_4	TPCC.ORDERLIN_64_DSI	OL_8
#TPCC.ORDERS_IX_171_DSI	O_IX_3	#TPCC.ORDERS_IX_239_DSI	O_IX_5	TPCC.ORDERLIN_65_DSI	OL_9
#TPCC.ORDERS_IX_172_DSI	O_IX_4	#TPCC.ORDERS_IX_240_DSI	O_IX_6	TPCC.ORDERLIN_66_DSI	OL_9
#TPCC.ORDERS_IX_173_DSI	O_IX_5			TPCC.ORDERLIN_67_DSI	OL_10
#TPCC.ORDERS_IX_174_DSI	O_IX_6	## ORDERLIN_DSI buffer		TPCC.ORDERLIN_68_DSI	OL_10
#TPCC.ORDERS_IX_175_DSI	O_IX_1	TPCC.ORDERLIN_1_DSI	OL_1	TPCC.ORDERLIN_69_DSI	OL_11
#TPCC.ORDERS_IX_176_DSI	O_IX_2	TPCC.ORDERLIN_2_DSI	OL_1	TPCC.ORDERLIN_70_DSI	OL_11
#TPCC.ORDERS_IX_177_DSI	O_IX_3	TPCC.ORDERLIN_3_DSI	OL_2	TPCC.ORDERLIN_71_DSI	OL_12
#TPCC.ORDERS_IX_178_DSI	O_IX_4	TPCC.ORDERLIN_4_DSI	OL_2	TPCC.ORDERLIN_72_DSI	OL_12
#TPCC.ORDERS_IX_179_DSI	O_IX_5	TPCC.ORDERLIN_5_DSI	OL_3	TPCC.ORDERLIN_73_DSI	OL_1
#TPCC.ORDERS_IX_180_DSI	O_IX_6	TPCC.ORDERLIN_6_DSI	OL_3	TPCC.ORDERLIN_74_DSI	OL_1
#TPCC.ORDERS_IX_181_DSI	O_IX_1	TPCC.ORDERLIN_7_DSI	OL_4	TPCC.ORDERLIN_75_DSI	OL_2
#TPCC.ORDERS_IX_182_DSI	O_IX_2	TPCC.ORDERLIN_8_DSI	OL_4	TPCC.ORDERLIN_76_DSI	OL_2
#TPCC.ORDERS_IX_183_DSI	O_IX_3	TPCC.ORDERLIN_9_DSI	OL_5	TPCC.ORDERLIN_77_DSI	OL_3
#TPCC.ORDERS_IX_184_DSI	O_IX_4	TPCC.ORDERLIN_10_DSI	OL_5	TPCC.ORDERLIN_78_DSI	OL_3
#TPCC.ORDERS_IX_185_DSI	O_IX_5	TPCC.ORDERLIN_11_DSI	OL_6	TPCC.ORDERLIN_79_DSI	OL_4
#TPCC.ORDERS_IX_186_DSI	O_IX_6	TPCC.ORDERLIN_12_DSI	OL_6	TPCC.ORDERLIN_80_DSI	OL_4
#TPCC.ORDERS_IX_187_DSI	O_IX_1	TPCC.ORDERLIN_13_DSI	OL_7	TPCC.ORDERLIN_81_DSI	OL_5
#TPCC.ORDERS_IX_188_DSI	O_IX_2	TPCC.ORDERLIN_14_DSI	OL_7	TPCC.ORDERLIN_82_DSI	OL_5
#TPCC.ORDERS_IX_189_DSI	O_IX_3	TPCC.ORDERLIN_15_DSI	OL_8	TPCC.ORDERLIN_83_DSI	OL_6
#TPCC.ORDERS_IX_190_DSI	O_IX_4	TPCC.ORDERLIN_16_DSI	OL_8	TPCC.ORDERLIN_84_DSI	OL_6
#TPCC.ORDERS_IX_191_DSI	O_IX_5	TPCC.ORDERLIN_17_DSI	OL_9	TPCC.ORDERLIN_85_DSI	OL_7
#TPCC.ORDERS_IX_192_DSI	O_IX_6	TPCC.ORDERLIN_18_DSI	OL_9	TPCC.ORDERLIN_86_DSI	OL_7
#TPCC.ORDERS_IX_193_DSI	O_IX_1	TPCC.ORDERLIN_19_DSI	OL_10	TPCC.ORDERLIN_87_DSI	OL_8
#TPCC.ORDERS_IX_194_DSI	O_IX_2	TPCC.ORDERLIN_20_DSI	OL_10	TPCC.ORDERLIN_88_DSI	OL_8
#TPCC.ORDERS_IX_195_DSI	O_IX_3	TPCC.ORDERLIN_21_DSI	OL_11	TPCC.ORDERLIN_89_DSI	OL_9



TPCC.ORDERLIN\_90\_DSI OL\_9  
 TPCC.ORDERLIN\_91\_DSI OL\_10  
 TPCC.ORDERLIN\_92\_DSI OL\_10  
 TPCC.ORDERLIN\_93\_DSI OL\_11  
 TPCC.ORDERLIN\_94\_DSI OL\_11  
 TPCC.ORDERLIN\_95\_DSI OL\_12  
 TPCC.ORDERLIN\_96\_DSI OL\_12  
 TPCC.ORDERLIN\_97\_DSI OL\_1  
 TPCC.ORDERLIN\_98\_DSI OL\_1  
 TPCC.ORDERLIN\_99\_DSI OL\_2  
 TPCC.ORDERLIN\_100\_DSI OL\_2  
 TPCC.ORDERLIN\_101\_DSI OL\_3  
 TPCC.ORDERLIN\_102\_DSI OL\_3  
 TPCC.ORDERLIN\_103\_DSI OL\_4  
 TPCC.ORDERLIN\_104\_DSI OL\_4  
 TPCC.ORDERLIN\_105\_DSI OL\_5  
 TPCC.ORDERLIN\_106\_DSI OL\_5  
 TPCC.ORDERLIN\_107\_DSI OL\_6  
 TPCC.ORDERLIN\_108\_DSI OL\_6  
 TPCC.ORDERLIN\_109\_DSI OL\_7  
 TPCC.ORDERLIN\_110\_DSI OL\_7  
 TPCC.ORDERLIN\_111\_DSI OL\_8  
 TPCC.ORDERLIN\_112\_DSI OL\_8  
 TPCC.ORDERLIN\_113\_DSI OL\_9  
 TPCC.ORDERLIN\_114\_DSI OL\_9  
 TPCC.ORDERLIN\_115\_DSI OL\_10  
 TPCC.ORDERLIN\_116\_DSI OL\_10  
 TPCC.ORDERLIN\_117\_DSI OL\_11  
 TPCC.ORDERLIN\_118\_DSI OL\_11  
 TPCC.ORDERLIN\_119\_DSI OL\_12  
 TPCC.ORDERLIN\_120\_DSI OL\_12  
 TPCC.ORDERLIN\_121\_DSI OL\_1  
 TPCC.ORDERLIN\_122\_DSI OL\_1  
 TPCC.ORDERLIN\_123\_DSI OL\_2  
 TPCC.ORDERLIN\_124\_DSI OL\_2  
 TPCC.ORDERLIN\_125\_DSI OL\_3  
 TPCC.ORDERLIN\_126\_DSI OL\_3  
 TPCC.ORDERLIN\_127\_DSI OL\_4  
 TPCC.ORDERLIN\_128\_DSI OL\_4  
 TPCC.ORDERLIN\_129\_DSI OL\_5  
 TPCC.ORDERLIN\_130\_DSI OL\_5  
 TPCC.ORDERLIN\_131\_DSI OL\_6  
 TPCC.ORDERLIN\_132\_DSI OL\_6  
 TPCC.ORDERLIN\_133\_DSI OL\_7  
 TPCC.ORDERLIN\_134\_DSI OL\_7  
 TPCC.ORDERLIN\_135\_DSI OL\_8  
 TPCC.ORDERLIN\_136\_DSI OL\_8  
 TPCC.ORDERLIN\_137\_DSI OL\_9  
 TPCC.ORDERLIN\_138\_DSI OL\_9  
 TPCC.ORDERLIN\_139\_DSI OL\_10  
 TPCC.ORDERLIN\_140\_DSI OL\_10  
 TPCC.ORDERLIN\_141\_DSI OL\_11  
 TPCC.ORDERLIN\_142\_DSI OL\_11  
 TPCC.ORDERLIN\_143\_DSI OL\_12  
 TPCC.ORDERLIN\_144\_DSI OL\_12  
 TPCC.ORDERLIN\_145\_DSI OL\_1  
 TPCC.ORDERLIN\_146\_DSI OL\_1  
 TPCC.ORDERLIN\_147\_DSI OL\_2  
 TPCC.ORDERLIN\_148\_DSI OL\_2  
 TPCC.ORDERLIN\_149\_DSI OL\_3  
 TPCC.ORDERLIN\_150\_DSI OL\_3  
 TPCC.ORDERLIN\_151\_DSI OL\_4  
 TPCC.ORDERLIN\_152\_DSI OL\_4  
 TPCC.ORDERLIN\_153\_DSI OL\_5  
 TPCC.ORDERLIN\_154\_DSI OL\_5  
 TPCC.ORDERLIN\_155\_DSI OL\_6  
 TPCC.ORDERLIN\_156\_DSI OL\_6  
 TPCC.ORDERLIN\_157\_DSI OL\_7

TPCC.ORDERLIN\_158\_DSI OL\_7  
 TPCC.ORDERLIN\_159\_DSI OL\_8  
 TPCC.ORDERLIN\_160\_DSI OL\_8  
 TPCC.ORDERLIN\_161\_DSI OL\_9  
 TPCC.ORDERLIN\_162\_DSI OL\_9  
 TPCC.ORDERLIN\_163\_DSI OL\_10  
 TPCC.ORDERLIN\_164\_DSI OL\_10  
 TPCC.ORDERLIN\_165\_DSI OL\_11  
 TPCC.ORDERLIN\_166\_DSI OL\_11  
 TPCC.ORDERLIN\_167\_DSI OL\_12  
 TPCC.ORDERLIN\_168\_DSI OL\_12  
 TPCC.ORDERLIN\_169\_DSI OL\_1  
 TPCC.ORDERLIN\_170\_DSI OL\_1  
 TPCC.ORDERLIN\_171\_DSI OL\_2  
 TPCC.ORDERLIN\_172\_DSI OL\_2  
 TPCC.ORDERLIN\_173\_DSI OL\_3  
 TPCC.ORDERLIN\_174\_DSI OL\_3  
 TPCC.ORDERLIN\_175\_DSI OL\_4  
 TPCC.ORDERLIN\_176\_DSI OL\_4  
 TPCC.ORDERLIN\_177\_DSI OL\_5  
 TPCC.ORDERLIN\_178\_DSI OL\_5  
 TPCC.ORDERLIN\_179\_DSI OL\_6  
 TPCC.ORDERLIN\_180\_DSI OL\_6  
 TPCC.ORDERLIN\_181\_DSI OL\_7  
 TPCC.ORDERLIN\_182\_DSI OL\_7  
 TPCC.ORDERLIN\_183\_DSI OL\_8  
 TPCC.ORDERLIN\_184\_DSI OL\_8  
 TPCC.ORDERLIN\_185\_DSI OL\_9  
 TPCC.ORDERLIN\_186\_DSI OL\_9  
 TPCC.ORDERLIN\_187\_DSI OL\_10  
 TPCC.ORDERLIN\_188\_DSI OL\_10  
 TPCC.ORDERLIN\_189\_DSI OL\_11  
 TPCC.ORDERLIN\_190\_DSI OL\_11  
 TPCC.ORDERLIN\_191\_DSI OL\_12  
 TPCC.ORDERLIN\_192\_DSI OL\_12  
 TPCC.ORDERLIN\_193\_DSI OL\_1  
 TPCC.ORDERLIN\_194\_DSI OL\_1  
 TPCC.ORDERLIN\_195\_DSI OL\_2  
 TPCC.ORDERLIN\_196\_DSI OL\_2  
 TPCC.ORDERLIN\_197\_DSI OL\_3  
 TPCC.ORDERLIN\_198\_DSI OL\_3  
 TPCC.ORDERLIN\_199\_DSI OL\_4  
 TPCC.ORDERLIN\_200\_DSI OL\_4  
 TPCC.ORDERLIN\_201\_DSI OL\_5  
 TPCC.ORDERLIN\_202\_DSI OL\_5  
 TPCC.ORDERLIN\_203\_DSI OL\_6  
 TPCC.ORDERLIN\_204\_DSI OL\_6  
 TPCC.ORDERLIN\_205\_DSI OL\_7  
 TPCC.ORDERLIN\_206\_DSI OL\_7  
 TPCC.ORDERLIN\_207\_DSI OL\_8  
 TPCC.ORDERLIN\_208\_DSI OL\_8  
 TPCC.ORDERLIN\_209\_DSI OL\_9  
 TPCC.ORDERLIN\_210\_DSI OL\_9  
 TPCC.ORDERLIN\_211\_DSI OL\_10  
 TPCC.ORDERLIN\_212\_DSI OL\_10  
 TPCC.ORDERLIN\_213\_DSI OL\_11  
 TPCC.ORDERLIN\_214\_DSI OL\_11  
 TPCC.ORDERLIN\_215\_DSI OL\_12  
 TPCC.ORDERLIN\_216\_DSI OL\_12  
 TPCC.ORDERLIN\_217\_DSI OL\_1  
 TPCC.ORDERLIN\_218\_DSI OL\_1  
 TPCC.ORDERLIN\_219\_DSI OL\_2  
 TPCC.ORDERLIN\_220\_DSI OL\_2  
 TPCC.ORDERLIN\_221\_DSI OL\_3  
 TPCC.ORDERLIN\_222\_DSI OL\_3  
 TPCC.ORDERLIN\_223\_DSI OL\_4  
 TPCC.ORDERLIN\_224\_DSI OL\_4  
 TPCC.ORDERLIN\_225\_DSI OL\_5

TPCC.ORDERLIN\_226\_DSI OL\_5  
 TPCC.ORDERLIN\_227\_DSI OL\_6  
 TPCC.ORDERLIN\_228\_DSI OL\_6  
 TPCC.ORDERLIN\_229\_DSI OL\_7  
 TPCC.ORDERLIN\_230\_DSI OL\_7  
 TPCC.ORDERLIN\_231\_DSI OL\_8  
 TPCC.ORDERLIN\_232\_DSI OL\_8  
 TPCC.ORDERLIN\_233\_DSI OL\_9  
 TPCC.ORDERLIN\_234\_DSI OL\_9  
 TPCC.ORDERLIN\_235\_DSI OL\_10  
 TPCC.ORDERLIN\_236\_DSI OL\_10  
 TPCC.ORDERLIN\_237\_DSI OL\_11  
 TPCC.ORDERLIN\_238\_DSI OL\_11  
 #238DSI=2142WH  
 TPCC.ORDERLIN\_239\_DSI OL\_12  
 TPCC.ORDERLIN\_240\_DSI OL\_12  
 #240DSI=2160WH  
 TPCC.ORDERLIN\_241\_DSI OL\_1  
 TPCC.ORDERLIN\_242\_DSI OL\_2  
 TPCC.ORDERLIN\_243\_DSI OL\_3  
 TPCC.ORDERLIN\_244\_DSI OL\_4  
 TPCC.ORDERLIN\_245\_DSI OL\_5  
 TPCC.ORDERLIN\_246\_DSI OL\_6  
 TPCC.ORDERLIN\_247\_DSI OL\_7  
 TPCC.ORDERLIN\_248\_DSI OL\_8

## NEWORDER\_DSI buffer  
 TPCC.NEWORDER\_1\_DSI NO\_1  
 TPCC.NEWORDER\_2\_DSI NO\_2  
 TPCC.NEWORDER\_3\_DSI NO\_3  
 TPCC.NEWORDER\_4\_DSI NO\_4  
 TPCC.NEWORDER\_5\_DSI NO\_5  
 TPCC.NEWORDER\_6\_DSI NO\_6  
 TPCC.NEWORDER\_7\_DSI NO\_1  
 TPCC.NEWORDER\_8\_DSI NO\_2  
 TPCC.NEWORDER\_9\_DSI NO\_3  
 TPCC.NEWORDER\_10\_DSI NO\_4  
 TPCC.NEWORDER\_11\_DSI NO\_5  
 TPCC.NEWORDER\_12\_DSI NO\_6  
 TPCC.NEWORDER\_13\_DSI NO\_1  
 TPCC.NEWORDER\_14\_DSI NO\_2  
 TPCC.NEWORDER\_15\_DSI NO\_3  
 TPCC.NEWORDER\_16\_DSI NO\_4  
 TPCC.NEWORDER\_17\_DSI NO\_5  
 TPCC.NEWORDER\_18\_DSI NO\_6  
 TPCC.NEWORDER\_19\_DSI NO\_1  
 TPCC.NEWORDER\_20\_DSI NO\_2  
 TPCC.NEWORDER\_21\_DSI NO\_3  
 TPCC.NEWORDER\_22\_DSI NO\_4  
 TPCC.NEWORDER\_23\_DSI NO\_5  
 TPCC.NEWORDER\_24\_DSI NO\_6  
 TPCC.NEWORDER\_25\_DSI NO\_1  
 TPCC.NEWORDER\_26\_DSI NO\_2  
 TPCC.NEWORDER\_27\_DSI NO\_3  
 TPCC.NEWORDER\_28\_DSI NO\_4  
 TPCC.NEWORDER\_29\_DSI NO\_5  
 TPCC.NEWORDER\_30\_DSI NO\_6  
 TPCC.NEWORDER\_31\_DSI NO\_1  
 TPCC.NEWORDER\_32\_DSI NO\_2  
 TPCC.NEWORDER\_33\_DSI NO\_3  
 TPCC.NEWORDER\_34\_DSI NO\_4  
 TPCC.NEWORDER\_35\_DSI NO\_5  
 TPCC.NEWORDER\_36\_DSI NO\_6  
 TPCC.NEWORDER\_37\_DSI NO\_1  
 TPCC.NEWORDER\_38\_DSI NO\_2  
 TPCC.NEWORDER\_39\_DSI NO\_3  
 TPCC.NEWORDER\_40\_DSI NO\_4

TPCC.NEWORDER_41_DSI	NO_5	TPCC.NEWORDER_109_DSINO_1		#TPCC.NEWORDER_177_DSI	NO_3
TPCC.NEWORDER_42_DSI	NO_6	TPCC.NEWORDER_110_DSINO_2		#TPCC.NEWORDER_178_DSI	NO_4
TPCC.NEWORDER_43_DSI	NO_1	TPCC.NEWORDER_111_DSINO_3		#TPCC.NEWORDER_179_DSI	NO_5
TPCC.NEWORDER_44_DSI	NO_2	TPCC.NEWORDER_112_DSINO_4		#TPCC.NEWORDER_180_DSI	NO_6
TPCC.NEWORDER_45_DSI	NO_3	TPCC.NEWORDER_113_DSINO_5		#TPCC.NEWORDER_181_DSI	NO_1
TPCC.NEWORDER_46_DSI	NO_4	TPCC.NEWORDER_114_DSINO_6		#TPCC.NEWORDER_182_DSI	NO_2
TPCC.NEWORDER_47_DSI	NO_5	TPCC.NEWORDER_115_DSINO_1		#TPCC.NEWORDER_183_DSI	NO_3
TPCC.NEWORDER_48_DSI	NO_6	TPCC.NEWORDER_116_DSINO_2		#TPCC.NEWORDER_184_DSI	NO_4
TPCC.NEWORDER_49_DSI	NO_1	TPCC.NEWORDER_117_DSINO_3		#TPCC.NEWORDER_185_DSI	NO_5
TPCC.NEWORDER_50_DSI	NO_2	TPCC.NEWORDER_118_DSINO_4		#TPCC.NEWORDER_186_DSI	NO_6
TPCC.NEWORDER_51_DSI	NO_3	TPCC.NEWORDER_119_DSINO_5		#TPCC.NEWORDER_187_DSI	NO_1
TPCC.NEWORDER_52_DSI	NO_4	TPCC.NEWORDER_120_DSINO_6		#TPCC.NEWORDER_188_DSI	NO_2
TPCC.NEWORDER_53_DSI	NO_5	TPCC.NEWORDER_121_DSINO_1		#TPCC.NEWORDER_189_DSI	NO_3
TPCC.NEWORDER_54_DSI	NO_6	TPCC.NEWORDER_122_DSINO_2		#TPCC.NEWORDER_190_DSI	NO_4
TPCC.NEWORDER_55_DSI	NO_1	TPCC.NEWORDER_123_DSINO_3		#TPCC.NEWORDER_191_DSI	NO_5
TPCC.NEWORDER_56_DSI	NO_2	TPCC.NEWORDER_124_DSINO_4		#TPCC.NEWORDER_192_DSI	NO_6
TPCC.NEWORDER_57_DSI	NO_3	#TPCC.NEWORDER_125_DSI	NO_5	#TPCC.NEWORDER_193_DSI	NO_1
TPCC.NEWORDER_58_DSI	NO_4	#TPCC.NEWORDER_126_DSI	NO_6	#TPCC.NEWORDER_194_DSI	NO_2
TPCC.NEWORDER_59_DSI	NO_5	#TPCC.NEWORDER_127_DSI	NO_1	#TPCC.NEWORDER_195_DSI	NO_3
TPCC.NEWORDER_60_DSI	NO_6	#TPCC.NEWORDER_128_DSI	NO_2	#TPCC.NEWORDER_196_DSI	NO_4
TPCC.NEWORDER_61_DSI	NO_1	#TPCC.NEWORDER_129_DSI	NO_3	#TPCC.NEWORDER_197_DSI	NO_5
TPCC.NEWORDER_62_DSI	NO_2	#TPCC.NEWORDER_130_DSI	NO_4	#TPCC.NEWORDER_198_DSI	NO_6
TPCC.NEWORDER_63_DSI	NO_3	#TPCC.NEWORDER_131_DSI	NO_5	#TPCC.NEWORDER_199_DSI	NO_1
TPCC.NEWORDER_64_DSI	NO_4	#TPCC.NEWORDER_132_DSI	NO_6	#TPCC.NEWORDER_200_DSI	NO_2
TPCC.NEWORDER_65_DSI	NO_5	#TPCC.NEWORDER_133_DSI	NO_1	#TPCC.NEWORDER_201_DSI	NO_3
TPCC.NEWORDER_66_DSI	NO_6	#TPCC.NEWORDER_134_DSI	NO_2	#TPCC.NEWORDER_202_DSI	NO_4
TPCC.NEWORDER_67_DSI	NO_1	#TPCC.NEWORDER_135_DSI	NO_3	#TPCC.NEWORDER_203_DSI	NO_5
TPCC.NEWORDER_68_DSI	NO_2	#TPCC.NEWORDER_136_DSI	NO_4	#TPCC.NEWORDER_204_DSI	NO_6
TPCC.NEWORDER_69_DSI	NO_3	#TPCC.NEWORDER_137_DSI	NO_5	#TPCC.NEWORDER_205_DSI	NO_1
TPCC.NEWORDER_70_DSI	NO_4	#TPCC.NEWORDER_138_DSI	NO_6	#TPCC.NEWORDER_206_DSI	NO_2
TPCC.NEWORDER_71_DSI	NO_5	#TPCC.NEWORDER_139_DSI	NO_1	#TPCC.NEWORDER_207_DSI	NO_3
TPCC.NEWORDER_72_DSI	NO_6	#TPCC.NEWORDER_140_DSI	NO_2	#TPCC.NEWORDER_208_DSI	NO_4
TPCC.NEWORDER_73_DSI	NO_1	#TPCC.NEWORDER_141_DSI	NO_3	#TPCC.NEWORDER_209_DSI	NO_5
TPCC.NEWORDER_74_DSI	NO_2	#TPCC.NEWORDER_142_DSI	NO_4	#TPCC.NEWORDER_210_DSI	NO_6
TPCC.NEWORDER_75_DSI	NO_3	#TPCC.NEWORDER_143_DSI	NO_5	#TPCC.NEWORDER_211_DSI	NO_1
TPCC.NEWORDER_76_DSI	NO_4	#TPCC.NEWORDER_144_DSI	NO_6	#TPCC.NEWORDER_212_DSI	NO_2
TPCC.NEWORDER_77_DSI	NO_5	#TPCC.NEWORDER_145_DSI	NO_1	#TPCC.NEWORDER_213_DSI	NO_3
TPCC.NEWORDER_78_DSI	NO_6	#TPCC.NEWORDER_146_DSI	NO_2	#TPCC.NEWORDER_214_DSI	NO_4
TPCC.NEWORDER_79_DSI	NO_1	#TPCC.NEWORDER_147_DSI	NO_3	#TPCC.NEWORDER_215_DSI	NO_5
TPCC.NEWORDER_80_DSI	NO_2	#TPCC.NEWORDER_148_DSI	NO_4	#TPCC.NEWORDER_216_DSI	NO_6
TPCC.NEWORDER_81_DSI	NO_3	#TPCC.NEWORDER_149_DSI	NO_5	#TPCC.NEWORDER_217_DSI	NO_3
TPCC.NEWORDER_82_DSI	NO_4	#TPCC.NEWORDER_150_DSI	NO_6	#TPCC.NEWORDER_218_DSI	NO_4
TPCC.NEWORDER_83_DSI	NO_5	#TPCC.NEWORDER_151_DSI	NO_1	#TPCC.NEWORDER_219_DSI	NO_5
TPCC.NEWORDER_84_DSI	NO_6	#TPCC.NEWORDER_152_DSI	NO_2	#TPCC.NEWORDER_220_DSI	NO_6
TPCC.NEWORDER_85_DSI	NO_1	#TPCC.NEWORDER_153_DSI	NO_3	#TPCC.NEWORDER_221_DSI	NO_1
TPCC.NEWORDER_86_DSI	NO_2	#TPCC.NEWORDER_154_DSI	NO_4	#TPCC.NEWORDER_222_DSI	NO_2
TPCC.NEWORDER_87_DSI	NO_3	#TPCC.NEWORDER_155_DSI	NO_5	#TPCC.NEWORDER_223_DSI	NO_3
TPCC.NEWORDER_88_DSI	NO_4	#TPCC.NEWORDER_156_DSI	NO_6	#TPCC.NEWORDER_224_DSI	NO_4
TPCC.NEWORDER_89_DSI	NO_5	#TPCC.NEWORDER_157_DSI	NO_1	#TPCC.NEWORDER_225_DSI	NO_5
TPCC.NEWORDER_90_DSI	NO_6	#TPCC.NEWORDER_158_DSI	NO_2	#TPCC.NEWORDER_226_DSI	NO_6
TPCC.NEWORDER_91_DSI	NO_1	#TPCC.NEWORDER_159_DSI	NO_3	#TPCC.NEWORDER_227_DSI	NO_3
TPCC.NEWORDER_92_DSI	NO_2	#TPCC.NEWORDER_160_DSI	NO_4	#TPCC.NEWORDER_228_DSI	NO_4
TPCC.NEWORDER_93_DSI	NO_3	#TPCC.NEWORDER_161_DSI	NO_5	#TPCC.NEWORDER_229_DSI	NO_5
TPCC.NEWORDER_94_DSI	NO_4	#TPCC.NEWORDER_162_DSI	NO_6	#TPCC.NEWORDER_230_DSI	NO_6
TPCC.NEWORDER_95_DSI	NO_5	#TPCC.NEWORDER_163_DSI	NO_1	#TPCC.NEWORDER_231_DSI	NO_1
TPCC.NEWORDER_96_DSI	NO_6	#TPCC.NEWORDER_164_DSI	NO_2	#TPCC.NEWORDER_232_DSI	NO_2
TPCC.NEWORDER_97_DSI	NO_1	#TPCC.NEWORDER_165_DSI	NO_3	#TPCC.NEWORDER_233_DSI	NO_3
TPCC.NEWORDER_98_DSI	NO_2	#TPCC.NEWORDER_166_DSI	NO_4	#TPCC.NEWORDER_234_DSI	NO_4
TPCC.NEWORDER_99_DSI	NO_3	#TPCC.NEWORDER_167_DSI	NO_5	#TPCC.NEWORDER_235_DSI	NO_5
TPCC.NEWORDER_100_DSINO_4		#TPCC.NEWORDER_168_DSI	NO_6	#TPCC.NEWORDER_236_DSI	NO_6
TPCC.NEWORDER_101_DSINO_5		#TPCC.NEWORDER_169_DSI	NO_1	#TPCC.NEWORDER_237_DSI	NO_3
TPCC.NEWORDER_102_DSINO_6		#TPCC.NEWORDER_170_DSI	NO_2	#TPCC.NEWORDER_238_DSI	NO_4
TPCC.NEWORDER_103_DSINO_1		#TPCC.NEWORDER_171_DSI	NO_3	#TPCC.NEWORDER_239_DSI	NO_5
TPCC.NEWORDER_104_DSINO_2		#TPCC.NEWORDER_172_DSI	NO_4	#TPCC.NEWORDER_240_DSI	NO_6
TPCC.NEWORDER_105_DSINO_3		#TPCC.NEWORDER_173_DSI	NO_5		
TPCC.NEWORDER_106_DSINO_4		#TPCC.NEWORDER_174_DSI	NO_6	## NEWORDER_IX_DSI buffer	
TPCC.NEWORDER_107_DSINO_5		#TPCC.NEWORDER_175_DSI	NO_1	TPCC.NEWORDER_X_1_DSI	NO_IX_1
TPCC.NEWORDER_108_DSINO_6		#TPCC.NEWORDER_176_DSI	NO_2	TPCC.NEWORDER_X_2_DSI	NO_IX_2



#TPCC.NEWORDER_X_207_DSI	NO_IX_3	TPCC.HISTORY_33_DSI	H_3	TPCC.HISTORY_101_DSI	H_5
#TPCC.NEWORDER_X_208_DSI	NO_IX_4	TPCC.HISTORY_34_DSI	H_4	TPCC.HISTORY_102_DSI	H_6
#TPCC.NEWORDER_X_209_DSI	NO_IX_5	TPCC.HISTORY_35_DSI	H_5	TPCC.HISTORY_103_DSI	H_1
#TPCC.NEWORDER_X_210_DSI	NO_IX_6	TPCC.HISTORY_36_DSI	H_6	TPCC.HISTORY_104_DSI	H_2
#TPCC.NEWORDER_X_211_DSI	NO_IX_1	TPCC.HISTORY_37_DSI	H_1	TPCC.HISTORY_105_DSI	H_3
#TPCC.NEWORDER_X_212_DSI	NO_IX_2	TPCC.HISTORY_38_DSI	H_2	TPCC.HISTORY_106_DSI	H_4
#TPCC.NEWORDER_X_213_DSI	NO_IX_3	TPCC.HISTORY_39_DSI	H_3	TPCC.HISTORY_107_DSI	H_5
#TPCC.NEWORDER_X_214_DSI	NO_IX_4	TPCC.HISTORY_40_DSI	H_4	TPCC.HISTORY_108_DSI	H_6
#TPCC.NEWORDER_X_215_DSI	NO_IX_5	TPCC.HISTORY_41_DSI	H_5	TPCC.HISTORY_109_DSI	H_1
#TPCC.NEWORDER_X_216_DSI	NO_IX_6	TPCC.HISTORY_42_DSI	H_6	TPCC.HISTORY_110_DSI	H_2
#TPCC.NEWORDER_X_217_DSI	NO_IX_3	TPCC.HISTORY_43_DSI	H_1	TPCC.HISTORY_111_DSI	H_3
#TPCC.NEWORDER_X_218_DSI	NO_IX_4	TPCC.HISTORY_44_DSI	H_2	TPCC.HISTORY_112_DSI	H_4
#TPCC.NEWORDER_X_219_DSI	NO_IX_5	TPCC.HISTORY_45_DSI	H_3	TPCC.HISTORY_113_DSI	H_5
#TPCC.NEWORDER_X_220_DSI	NO_IX_6	TPCC.HISTORY_46_DSI	H_4	TPCC.HISTORY_114_DSI	H_6
#TPCC.NEWORDER_X_221_DSI	NO_IX_1	TPCC.HISTORY_47_DSI	H_5	TPCC.HISTORY_115_DSI	H_1
#TPCC.NEWORDER_X_222_DSI	NO_IX_2	TPCC.HISTORY_48_DSI	H_6	TPCC.HISTORY_116_DSI	H_2
#TPCC.NEWORDER_X_223_DSI	NO_IX_3	TPCC.HISTORY_49_DSI	H_1	TPCC.HISTORY_117_DSI	H_3
#TPCC.NEWORDER_X_224_DSI	NO_IX_4	TPCC.HISTORY_50_DSI	H_2	TPCC.HISTORY_118_DSI	H_4
#TPCC.NEWORDER_X_225_DSI	NO_IX_5	TPCC.HISTORY_51_DSI	H_3	TPCC.HISTORY_119_DSI	H_5
#TPCC.NEWORDER_X_226_DSI	NO_IX_6	TPCC.HISTORY_52_DSI	H_4	TPCC.HISTORY_120_DSI	H_6
#TPCC.NEWORDER_X_227_DSI	NO_IX_3	TPCC.HISTORY_53_DSI	H_5	TPCC.HISTORY_121_DSI	H_1
#TPCC.NEWORDER_X_228_DSI	NO_IX_4	TPCC.HISTORY_54_DSI	H_6	TPCC.HISTORY_122_DSI	H_2
#TPCC.NEWORDER_X_229_DSI	NO_IX_5	TPCC.HISTORY_55_DSI	H_1	TPCC.HISTORY_123_DSI	H_3
#TPCC.NEWORDER_X_230_DSI	NO_IX_6	TPCC.HISTORY_56_DSI	H_2	TPCC.HISTORY_124_DSI	H_4
#TPCC.NEWORDER_X_231_DSI	NO_IX_1	TPCC.HISTORY_57_DSI	H_3	#TPCC.HISTORY_125_DSI	H_5
#TPCC.NEWORDER_X_232_DSI	NO_IX_2	TPCC.HISTORY_58_DSI	H_4	#TPCC.HISTORY_126_DSI	H_6
#TPCC.NEWORDER_X_233_DSI	NO_IX_3	TPCC.HISTORY_59_DSI	H_5	#TPCC.HISTORY_127_DSI	H_1
#TPCC.NEWORDER_X_234_DSI	NO_IX_4	TPCC.HISTORY_60_DSI	H_6	#TPCC.HISTORY_128_DSI	H_2
#TPCC.NEWORDER_X_235_DSI	NO_IX_5	TPCC.HISTORY_61_DSI	H_1	#TPCC.HISTORY_129_DSI	H_3
#TPCC.NEWORDER_X_236_DSI	NO_IX_6	TPCC.HISTORY_62_DSI	H_2	#TPCC.HISTORY_130_DSI	H_4
#TPCC.NEWORDER_X_237_DSI	NO_IX_3	TPCC.HISTORY_63_DSI	H_3	#TPCC.HISTORY_131_DSI	H_5
#TPCC.NEWORDER_X_238_DSI	NO_IX_4	TPCC.HISTORY_64_DSI	H_4	#TPCC.HISTORY_132_DSI	H_6
#TPCC.NEWORDER_X_239_DSI	NO_IX_5	TPCC.HISTORY_65_DSI	H_5	#TPCC.HISTORY_133_DSI	H_1
#TPCC.NEWORDER_X_240_DSI	NO_IX_6	TPCC.HISTORY_66_DSI	H_6	#TPCC.HISTORY_134_DSI	H_2
		TPCC.HISTORY_67_DSI	H_1	#TPCC.HISTORY_135_DSI	H_3
		TPCC.HISTORY_68_DSI	H_2	#TPCC.HISTORY_136_DSI	H_4
		TPCC.HISTORY_69_DSI	H_3	#TPCC.HISTORY_137_DSI	H_5
		TPCC.HISTORY_70_DSI	H_4	#TPCC.HISTORY_138_DSI	H_6
		TPCC.HISTORY_71_DSI	H_5	#TPCC.HISTORY_139_DSI	H_1
		TPCC.HISTORY_72_DSI	H_6	#TPCC.HISTORY_140_DSI	H_2
		TPCC.HISTORY_73_DSI	H_1	#TPCC.HISTORY_141_DSI	H_3
		TPCC.HISTORY_74_DSI	H_2	#TPCC.HISTORY_142_DSI	H_4
		TPCC.HISTORY_75_DSI	H_3	#TPCC.HISTORY_143_DSI	H_5
		TPCC.HISTORY_76_DSI	H_4	#TPCC.HISTORY_144_DSI	H_6
		TPCC.HISTORY_77_DSI	H_5	#TPCC.HISTORY_145_DSI	H_1
		TPCC.HISTORY_78_DSI	H_6	#TPCC.HISTORY_146_DSI	H_2
		TPCC.HISTORY_79_DSI	H_1	#TPCC.HISTORY_147_DSI	H_3
		TPCC.HISTORY_80_DSI	H_2	#TPCC.HISTORY_148_DSI	H_4
		TPCC.HISTORY_81_DSI	H_3	#TPCC.HISTORY_149_DSI	H_5
		TPCC.HISTORY_82_DSI	H_4	#TPCC.HISTORY_150_DSI	H_6
		TPCC.HISTORY_83_DSI	H_5	#TPCC.HISTORY_151_DSI	H_1
		TPCC.HISTORY_84_DSI	H_6	#TPCC.HISTORY_152_DSI	H_2
		TPCC.HISTORY_85_DSI	H_1	#TPCC.HISTORY_153_DSI	H_3
		TPCC.HISTORY_86_DSI	H_2	#TPCC.HISTORY_154_DSI	H_4
		TPCC.HISTORY_87_DSI	H_3	#TPCC.HISTORY_155_DSI	H_5
		TPCC.HISTORY_88_DSI	H_4	#TPCC.HISTORY_156_DSI	H_6
		TPCC.HISTORY_89_DSI	H_5	#TPCC.HISTORY_157_DSI	H_1
		TPCC.HISTORY_90_DSI	H_6	#TPCC.HISTORY_158_DSI	H_2
		TPCC.HISTORY_91_DSI	H_1	#TPCC.HISTORY_159_DSI	H_3
		TPCC.HISTORY_92_DSI	H_2	#TPCC.HISTORY_160_DSI	H_4
		TPCC.HISTORY_93_DSI	H_3	#TPCC.HISTORY_161_DSI	H_5
		TPCC.HISTORY_94_DSI	H_4	#TPCC.HISTORY_162_DSI	H_6
		TPCC.HISTORY_95_DSI	H_5	#TPCC.HISTORY_163_DSI	H_1
		TPCC.HISTORY_96_DSI	H_6	#TPCC.HISTORY_164_DSI	H_2
		TPCC.HISTORY_97_DSI	H_1	#TPCC.HISTORY_165_DSI	H_3
		TPCC.HISTORY_98_DSI	H_2	#TPCC.HISTORY_166_DSI	H_4
		TPCC.HISTORY_99_DSI	H_3	#TPCC.HISTORY_167_DSI	H_5
		TPCC.HISTORY_100_DSI	H_4	#TPCC.HISTORY_168_DSI	H_6

```
#TPCC.HISTORY_169_DSI H_1
#TPCC.HISTORY_170_DSI H_2
#TPCC.HISTORY_171_DSI H_3
#TPCC.HISTORY_172_DSI H_4
#TPCC.HISTORY_173_DSI H_5
#TPCC.HISTORY_174_DSI H_6
#TPCC.HISTORY_175_DSI H_1
#TPCC.HISTORY_176_DSI H_2
#TPCC.HISTORY_177_DSI H_3
#TPCC.HISTORY_178_DSI H_4
#TPCC.HISTORY_179_DSI H_5
#TPCC.HISTORY_180_DSI H_6
#TPCC.HISTORY_181_DSI H_1
#TPCC.HISTORY_182_DSI H_2
#TPCC.HISTORY_183_DSI H_3
#TPCC.HISTORY_184_DSI H_4
#TPCC.HISTORY_185_DSI H_5
#TPCC.HISTORY_186_DSI H_6
#TPCC.HISTORY_187_DSI H_1
#TPCC.HISTORY_188_DSI H_2
#TPCC.HISTORY_189_DSI H_3
#TPCC.HISTORY_190_DSI H_4
#TPCC.HISTORY_191_DSI H_5
#TPCC.HISTORY_192_DSI H_6
#TPCC.HISTORY_193_DSI H_1
#TPCC.HISTORY_194_DSI H_2
#TPCC.HISTORY_195_DSI H_3
#TPCC.HISTORY_196_DSI H_4
#TPCC.HISTORY_197_DSI H_5
#TPCC.HISTORY_198_DSI H_6
#TPCC.HISTORY_199_DSI H_1
#TPCC.HISTORY_200_DSI H_2
#TPCC.HISTORY_201_DSI H_3
#TPCC.HISTORY_202_DSI H_4
#TPCC.HISTORY_203_DSI H_5
#TPCC.HISTORY_204_DSI H_6
#TPCC.HISTORY_205_DSI H_1
#TPCC.HISTORY_206_DSI H_2
#TPCC.HISTORY_207_DSI H_3
#TPCC.HISTORY_208_DSI H_4
#TPCC.HISTORY_209_DSI H_5
#TPCC.HISTORY_210_DSI H_6
#TPCC.HISTORY_211_DSI H_1
#TPCC.HISTORY_212_DSI H_2
#TPCC.HISTORY_213_DSI H_3
#TPCC.HISTORY_214_DSI H_4
#TPCC.HISTORY_215_DSI H_5
#TPCC.HISTORY_216_DSI H_6
#TPCC.HISTORY_217_DSI H_3
#TPCC.HISTORY_218_DSI H_4
#TPCC.HISTORY_219_DSI H_5
#TPCC.HISTORY_220_DSI H_6
#TPCC.HISTORY_221_DSI H_1
#TPCC.HISTORY_222_DSI H_2
#TPCC.HISTORY_223_DSI H_3
#TPCC.HISTORY_224_DSI H_4
#TPCC.HISTORY_225_DSI H_5
#TPCC.HISTORY_226_DSI H_6
#TPCC.HISTORY_227_DSI H_3
#TPCC.HISTORY_228_DSI H_4
#TPCC.HISTORY_229_DSI H_5
#TPCC.HISTORY_230_DSI H_6
#TPCC.HISTORY_231_DSI H_1
#TPCC.HISTORY_232_DSI H_2
#TPCC.HISTORY_233_DSI H_3
#TPCC.HISTORY_234_DSI H_4
#TPCC.HISTORY_235_DSI H_5
#TPCC.HISTORY_236_DSI H_6
```

```
#TPCC.HISTORY_237_DSI H_3
#TPCC.HISTORY_238_DSI H_4
#TPCC.HISTORY_239_DSI H_5
#TPCC.HISTORY_240_DSI H_6

## STOCK_DSI buffer
#
TPCC.STOCK_1_DSI S_1
TPCC.STOCK_2_DSI S_1
TPCC.STOCK_3_DSI S_2
TPCC.STOCK_4_DSI S_2
TPCC.STOCK_5_DSI S_3
TPCC.STOCK_6_DSI S_3
TPCC.STOCK_7_DSI S_4
TPCC.STOCK_8_DSI S_4
TPCC.STOCK_9_DSI S_5
TPCC.STOCK_10_DSI S_5
TPCC.STOCK_11_DSI S_6
TPCC.STOCK_12_DSI S_6
TPCC.STOCK_13_DSI S_7
TPCC.STOCK_14_DSI S_7
TPCC.STOCK_15_DSI S_8
TPCC.STOCK_16_DSI S_8
TPCC.STOCK_17_DSI S_9
TPCC.STOCK_18_DSI S_9
TPCC.STOCK_19_DSI S_10
TPCC.STOCK_20_DSI S_10
TPCC.STOCK_21_DSI S_11
TPCC.STOCK_22_DSI S_11
TPCC.STOCK_23_DSI S_12
TPCC.STOCK_24_DSI S_12
TPCC.STOCK_25_DSI S_13
TPCC.STOCK_26_DSI S_13
TPCC.STOCK_27_DSI S_14
TPCC.STOCK_28_DSI S_14
TPCC.STOCK_29_DSI S_15
TPCC.STOCK_30_DSI S_15
TPCC.STOCK_31_DSI S_1
TPCC.STOCK_32_DSI S_1
TPCC.STOCK_33_DSI S_2
TPCC.STOCK_34_DSI S_2
TPCC.STOCK_35_DSI S_3
TPCC.STOCK_36_DSI S_3
TPCC.STOCK_37_DSI S_4
TPCC.STOCK_38_DSI S_4
TPCC.STOCK_39_DSI S_5
TPCC.STOCK_40_DSI S_5
TPCC.STOCK_41_DSI S_6
TPCC.STOCK_42_DSI S_6
TPCC.STOCK_43_DSI S_7
TPCC.STOCK_44_DSI S_7
TPCC.STOCK_45_DSI S_8
TPCC.STOCK_46_DSI S_8
TPCC.STOCK_47_DSI S_9
TPCC.STOCK_48_DSI S_9
TPCC.STOCK_49_DSI S_10
TPCC.STOCK_50_DSI S_10
TPCC.STOCK_51_DSI S_11
TPCC.STOCK_52_DSI S_11
TPCC.STOCK_53_DSI S_12
TPCC.STOCK_54_DSI S_12
TPCC.STOCK_55_DSI S_13
TPCC.STOCK_56_DSI S_13
TPCC.STOCK_57_DSI S_14
TPCC.STOCK_58_DSI S_14
TPCC.STOCK_59_DSI S_15
TPCC.STOCK_60_DSI S_15
TPCC.STOCK_61_DSI S_1
```

```
TPCC.STOCK_62_DSI S_1

## ITEM_DSI buffer
TPCC.ITEM_1_DSI I_1
```

**File: crbuf.oza-4SMP.bat**

```
@rem #####
@rem ## rdbcrbf 98.08.08 K.Sugiyama ##
@rem ## -> 1458WH 98.09.01 K.Sugiyama ##
@rem ## -> 1680WH 99.01.11 K.Sugiyama ##
@rem ## -> 1560WH 99.01.14 K.Sugiyama ##
@rem ## -> 1800WH 99.01.15 K.Sugiyama ##
@rem ## -> 2046WH(11:1) 99.01.15 K.Sugiyama
##
@rem ## -> 1716WH(11:1) 99.03.04 K.Sugiyama
##
@rem ## -> 2052WH(9:1) 99.05.31 K.Sugiyama
##
@rem ## -> 2160WH(9:1) 99.06.18 K.Sugiyama
##
@rem ## -> 2160WH(9:1) 99.07.03 K.Sugiyama
##
@rem ## -> Stock 1/6 -> 1/12 9.0705
@rem ## -> O_IX 4K -> 8K 990707
@rem ## -> O_IX -100MB S+90MB 990713
oza
@rem ## -> S -I1 -> -I4 990714 oza
@@rem
#####

echo off

@rem 980823
set A=32250
set S=32000
set X=34000

@rem 980901 oza
set A=32150
set S=32000
set X=34000

@rem 990115 for 1800WH
set A=30150
set S=30000
set X=32000

@rem 990202 for 2046WH
set A2=33150
set S2=33000
set X2=35000

@rem 990309 for 1716WH Stock -200MB OL
+200MB
set A=22000
set S=21600
set X=23600
set A2=26000
set S2=25600
set X2=27600

@rem 990309 for 1716WH Stock -100MB
set A=18500
```

```
set S=18000
set X=20000
set A2=20500
set S2=20000
set X2=22000
```

```
@rem 990513 for 1980WH Stock -2000
set A=16500
set S=16000
set X=18000
set A2=18500
set S2=18000
set X2=20000
```

```
@rem 990601 for 1944WH ot @
set A=18500
set S=18000
set X=20000
```

```
@rem 990703 Stock +110MB
set A=23000
set S=22500
set X=24500
```

```
@rem 990705 1/6 -> 1/12
set A=11750
set S=11250
set X=12250
```

```
@rem 990709 +90MB X-A=1000(from 500)
set A=13170
set S=12670
set X=14170
```

```
@rem 990709 X-1000 (-48000KB) X-A=500
set A=12670
set S=12170
set X=13170
```

```
@rem 990715 12->15 bunkatsu
set A=10200
set S=9800
set X=10536
```

```
@rem 990715 -6MB(100*15*4KB)
set A=10100
set S=9700
set X=10436
```

```
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_1
4K %X% > crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_2
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_3
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_4
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_5
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_6
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_7
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_8
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_9
4K %X% >> crbuf.tmp.log 2>&1
```

```
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_10
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_11
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_12
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_13
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_14
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 3 S_15
4K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
set A=2100
set S=1995
set X=2250
```

```
@rem for 1800WH
set A=3150
set S=3000
set X=3300
```

```
@rem for 2160WH 990715
set A=1850
set S=1800
set X=1900
```

```
@rem rdbrbf -A %A% -S %S% -x -1 -1 -m
2147483646 OL_1 32K %X% >>
crbuf.tmp.log 2>&1
```

```
@rem rdbrbf -A %A% -S %S% -x -1 -1 -m
2147483646 OL_2 32K %X% >>
crbuf.tmp.log 2>&1
```

```
@rem rdbrbf -A %A% -S %S% -x -1 -1 -m
2147483646 OL_3 32K %X% >>
crbuf.tmp.log 2>&1
```

```
@rem rdbrbf -A %A% -S %S% -x -1 -1 -m
2147483646 OL_4 32K %X% >>
crbuf.tmp.log 2>&1
```

```
@rem rdbrbf -A %A% -S %S% -x -1 -1 -m
2147483646 OL_5 32K %X% >>
crbuf.tmp.log 2>&1
```

```
@rem rdbrbf -A %A% -S %S% -x -1 -1 -m
2147483646 OL_6 32K %X% >>
crbuf.tmp.log 2>&1
```

```
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_1
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_2
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_3
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_4
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_5
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_6
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_7
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_8
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_9
32K %X% >> crbuf.tmp.log 2>&1
```

```
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_10
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_11
32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 OL_12
32K %X% >> crbuf.tmp.log 2>&1
```

```
@rem 980725
set A=3950
set S=3900
set X=4000
```

```
@rem 990715 oza
set A=4780
set S=4760
set X=4800
```

```
@rem rdbrbf -A %A2% -S %S2% -x -1 -1 -m
2147483646 NO_IX_1 32K %X2% >>
crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_IX_1
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_IX_2
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_IX_3
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_IX_4
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_IX_5
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_IX_6
8K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
set A=1950
set S=1870
set X=2000
```

```
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 C_IX_1
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 C_IX_2
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 C_IX_3
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 C_IX_4
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 C_IX_5
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 C_IX_6
8K %X% >> crbuf.tmp.log 2>&1
```

```
@rem 980610
set A=1950
set S=1900
set X=2000
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_1
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_2
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_3
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -1 -m 5 NO_4
8K %X% >> crbuf.tmp.log 2>&1
```

```
rdbrbf -A %A% -S %S% -x -1 -m 5 NO_5
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 NO_6
8K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
set A=1850
set S=1750
set X=2000
```

```
set A=1025
set S=875
set X=1100
```

```
rdbrbf -A %A% -S %S% -x -1 -m 3 C_1
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_2
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_3
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_4
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_5
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_6
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_7
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_8
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_9
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_10
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_11
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 3 C_12
8K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
set A=3920
set S=3860
set X=4000
@rem 990309 +50MB
set A=6020
set S=5960
set X=6100
```

```
set A=2970
set S=2910
set X=3050
```

```
@rem 990709 -100MBhdo
set A=950
set S=880
set X=1050
```

```
@rem 990715 A-S=150 (from 80)
set A=950
set S=800
set X=1050
```

```
rdbrbf -A %A% -S %S% -x -1 -m 5 O_IX_1
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_IX_2
8K %X% >> crbuf.tmp.log 2>&1
```

```
rdbrbf -A %A% -S %S% -x -1 -m 5 O_IX_3
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_IX_4
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_IX_5
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_IX_6
8K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
set A=940
set S=890
set X=1000
```

```
rdbrbf -A %A% -S %S% -x -1 -m 5 O_1
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_2
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_3
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_4
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_5
8K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 O_6
8K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
```

```
set A2=81
set S2=81
set X2=81
@rem for 2046WH 990514 A2 > A
set A=92
set S=92
set X=92
```

```
@rem for 2160WH 990715
set A=20
set S=20
set X=20
```

```
@rem rdbrbf -A %A2% -S %S2% -x -1 -m
2147483646 O_IX_1 32K %X2% >>
crbuf.tmp.log 2>&1
@rem rdbrbf -A %A2% -S %S2% -x -1 -m
2147483646 O_IX_2 32K %X2% >>
crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 2147483646
O_IX_1 32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 2147483646
O_IX_2 32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 2147483646
O_IX_3 32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 2147483646
O_IX_4 32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 2147483646
O_IX_5 32K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 2147483646
O_IX_6 32K %X% >> crbuf.tmp.log 2>&1
```

```
@rem 990601
set A2=40
set S2=40
set X2=40
```

```
@rem 2160WH 990715
set A2=20
```

```
set S2=20
set X2=20
```

```
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
NO_IX_1 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
NO_IX_2 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
NO_IX_3 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
NO_IX_4 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
NO_IX_5 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
NO_IX_6 32K %X2% >> crbuf.tmp.log 2>&1
```

```
@rem for 1944WH
```

```
set A2=64
set S2=64
set X2=64
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
C_IX_1 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
C_IX_2 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
C_IX_3 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
C_IX_4 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
C_IX_5 32K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 2147483646
C_IX_6 32K %X2% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
```

```
set A=230
set S=220
set X=240
rdbrbf -A %A% -S %S% -x -1 -m 5 H_1
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 H_2
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 H_3
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 H_4
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 H_5
4K %X% >> crbuf.tmp.log 2>&1
rdbrbf -A %A% -S %S% -x -1 -m 5 H_6
4K %X% >> crbuf.tmp.log 2>&1
```

```
@rem for 1800WH
```

```
set A2=75
set S2=65
set X2=80
```

```
rdbrbf -A %A2% -S %S2% -x -1 -m 5 OL_1
8K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 5 OL_2
8K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 5 OL_3
8K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 5 OL_4
8K %X2% >> crbuf.tmp.log 2>&1
rdbrbf -A %A2% -S %S2% -x -1 -m 5 OL_5
8K %X2% >> crbuf.tmp.log 2>&1
```

```

rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_6
8K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_7
8K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_8
8K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_9
8K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_10
8K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_11
8K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x -l1 -m 5 OL_12
8K %X2% >> crbuf.tmp.log 2>&1

rdcbcrbf -A 14300 -S 14300 -x -l1 -m 2147483646
l_1 1K 14300 >> crbuf.tmp.log 2>&1

@rem for 2160WH
set A=3600
set S=3600
set X=3600

@rem rdcbcrbf -A %A% -S %S% -x -l1 -m
2147483646 D_1 1K %X% >> crbuf.tmp.log 2>&1

rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
D_1 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
D_2 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
D_3 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
D_4 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
D_5 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
D_6 1K %X% >> crbuf.tmp.log 2>&1

@rem for 2160WH
set A=360
set S=360
set X=360

@rem rdcbcrbf -A %A% -S %S% -x -l1 -m
2147483646 W_1 1K %X% >> crbuf.tmp.log 2>&1

rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
W_1 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
W_2 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
W_3 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
W_4 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
W_5 1K %X% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A% -S %S% -x -l1 -m 2147483646
W_6 1K %X% >> crbuf.tmp.log 2>&1

@rem 980610
set A2=100

```

```

set S2=100
set X2=100
rdcbcrbf -A %A2% -S %S2% -x NO_1
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x NO_2
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x NO_3
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x NO_4
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x NO_5
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x NO_6
1K %X2% >> crbuf.tmp.log 2>&1

@rem 980823
set A2=1
set S2=1
set X2=1
@rem rdcbcrbf -A %A2% -S %S2% -x
S_1 1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_1
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_2
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_3
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_4
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_5
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_6
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_7
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_8
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_9
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_10
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_11
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_12
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_13
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_14
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x S_15
1K %X2% >> crbuf.tmp.log 2>&1

@rem for 1800WH
set A2=1
set S2=1
set X2=1
rdcbcrbf -A %A2% -S %S2% -x C_1
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_2
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_3
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_4
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_5
1K %X2% >> crbuf.tmp.log 2>&1

```

```

rdcbcrbf -A %A2% -S %S2% -x C_6
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_7
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_8
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_9
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_10
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_11
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x C_12
1K %X2% >> crbuf.tmp.log 2>&1

@rem for 1800WH
set A2=1
set S2=1
set X2=1
rdcbcrbf -A %A2% -S %S2% -x O_1
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x O_2
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x O_3
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x O_4
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x O_5
1K %X2% >> crbuf.tmp.log 2>&1
rdcbcrbf -A %A2% -S %S2% -x O_6
1K %X2% >> crbuf.tmp.log 2>&1

File: cw_env_st_it.in
TPCC,TPCC_SCHEMA,ITEM,STOCK;
1,4,0,I_IM_ID,I_NAME,I_PRICE,I_DATA,1,1,1000
00,100000;
0,1,0,S_QUANTITY,2,1,2160,2160,100000,10000
0;
;
; 2,2 Q Y WH

File: envfile.txt
FLDTBLDIR=C:\sv-apl\fmI
FIELDTBLS=fltbl
SQLRTENV=C:\sv-apl\fmI\sql.env
RDBMSG=E
RDBCPU=3

File: getitem.sc
#include <windows.h>
#include <stdio.h>
include <string.h>
include <memory.h>
include <sys/types.h>
#include <errno.h>

#ifdef WIN32

```



```

#define DIFFTIME(after,before) ((after[0]-
before[0])*1000+(after[1]-before[1])/1000)

int GetTickCount()
{
    static int time_base[2];
    static init_flag=0;
    int time_fa[2];
    int rtn;

    if ( init_flag == 0 ){
        init_flag = 1;
        gettimeofday(time_base);
        return 0;
    }
    gettimeofday(time_fa);
    rtn = DIFFTIME(time_fa,time_base);
    return rtn;
}
#endif

main( int argc, char *argv[] ){

    /* */
    EXEC SQL BEGIN DECLARE SECTION;
        int      i;
        int      i_c;
        int      h_is;
        int      h_ie;
        int      data;
        int      time_before;
        int      time_after;
        char      SQLSTATE[6];
        char      SQLMSG[256];

    EXEC SQL END DECLARE SECTION;

    if( argc != 3){
        h_is = 1;
        h_ie = 200000;
        printf("Hint !: %s START_I_ID
END_I_ID\n\n",argv[0]);
        /*      exit(1);
        */
    } else {
        h_is = atoi(argv[1]);
        h_ie = atoi(argv[2]);
    }

    memset(SQLSTATE,0x00,6);
    memset(SQLMSG,0x00,256);

    /* b n m m d b s */
    EXEC SQL CONNECT TO 'TPCC';
    printf("CONNECT(SQLSTATE) = %s\n",
SQLSTATE) ;

    EXEC SQL WHENEVER SQLERROR
GOTO :ERR_S_STOL;

    EXEC SQL WHENEVER NOT
FOUND CONTINUE;

    time_before = GetTickCount();

```

```

if(h_is != h_ie){
    EXEC SQL SELECT COUNT(I_ID)
        INTO :i_c
        FROM
        TPCC_SCHEMA.ITEM
        WHERE I_ID >= :h_is
and I_ID < :h_ie ;
    } else {
        EXEC SQL SELECT COUNT(I_ID)
        INTO :i_c
        FROM
        TPCC_SCHEMA.ITEM
        WHERE I_ID = :h_is ;
    }

    time_after = GetTickCount();

    printf("    = %d,      (msec) = %d\n",i_c,
(time_after - time_before));
    /*      Sleep( 1000 * 20 );*/
    exit(1);

ERR_S_STOL;
    printf("SQLSTATE
= %s\n",SQLSTATE);
    printf("SQLMSG = %s\n",SQLMSG);

    EXEC SQL WHENEVER SQLERROR
CONTINUE;

    EXEC SQL WHENEVER NOT
FOUND CONTINUE;
    EXEC SQL ROLLBACK WORK;

    /* c h r b n m m d b s */

    EXEC SQL WHENEVER SQLERROR
CONTINUE;

    EXEC SQL WHENEVER NOT
FOUND CONTINUE;
    EXEC SQL DISCONNECT
CURRENT ;
    printf("DISCONNECT(SQLSTATE)
= %s\n", SQLSTATE) ;

    exit(-1);
}

File: intbind-cpu3.bat

intbind -g

intbind -p 0x93 0x8 @rem dac960nt: ScsiPort11
intbind -p 0xa3 0x8 @rem dac960nt: ScsiPort10
intbind -p 0xb3 0x8 @rem dac960nt: ScsiPort9
intbind -p 0x52 0x8 @rem dac960nt: ScsiPort8
intbind -p 0x62 0x8 @rem dac960nt: ScsiPort7
intbind -p 0x63 0x8 @rem E100B: E100B1
intbind -p 0x92 0x8 @rem dac960nt: ScsiPort4
intbind -p 0x82 0x8 @rem dac960nt: ScsiPort5
intbind -p 0x72 0x8 @rem dac960nt: ScsiPort6
intbind -p 0xb2 0x8 @rem aic78u2: ScsiPort2
intbind -p 0xa2 0x8 @rem dac960nt: ScsiPort3
intbind -p 0x51 0x8 @rem aic78xx: ScsiPort1

```

```
intbind -g
```

**File: rcp-2.bat**

```
TIME /T
rdbrcp
TIME /T
```

**File: rcp-70min.bat**

```
TIME /T
c:\toolsleep 1200
start call c:\rdbrpc\tpcc80\ddloza\rcp-2.bat

c:\toolsleep 1799
start call c:\rdbrpc\tpcc80\ddloza\rcp-2.bat
```

**File: Rdbbuf**

```

#
# All Rights Reserved, Copyright(c) FUJITSU
1993, 1994, 1995, 1996, 1997
# All Rights Reserved, Copyright(c) PFU 1993,
1994, 1995
#
# : ftH gobt@ `t@ C
#
#
# R g : '#' ~ R g
# s : `w K s s
# s : 1s w \ p 1024
#
# << L q ` >>
# y [ W = y [ W
#
#####
#####nrk
BUFFER1K = 32
BUFFER2K = 32
BUFFER4K = 256
BUFFER8K = 600
BUFFER16K = 32
BUFFER32K = 32

```

**File: rdbrwbuf.wk**

```
ITEM,STOCK
100,4488,1,4,0,0,4,4,4,1,8,1,24,2,32,5,2,3,34,1,50,
1,1,0,4,4,100000,100000
100,2561,0,1,0,0,4,5,2,2,1,0,5,2,2160,2160,0,4,4,
100000,100000
```

**File: Rdbpool**

```
#
```

```

# All Rights Reserved, Copyright(c) FUJITSU
1993, 1994, 1995, 1996
# All Rights Reserved, Copyright(c) PFU 1993,
1994, 1995, 1996
#
# : v[ `t@C
#
#
# R g: '#' - R g
# s : `w K s s
# s : 1s w \ p 1024
#
# << Lq` >>
# v[ = , ,
#
#####
#####nrk
# system
# = # Z T C Y
#-----
-----
ARC_ALCT = 0 ,0 ,1 ,1024000000
#508
BCM_BPC =
3072 ,102400 ,4096 ,1024000000 #508
#BCM_EEXT =
323584 ,3072 ,8192 ,1024000000 #1532
BCM_EEXT =
348000 ,3072 ,8192 ,1024000000 #1532
#BCM_ESUB =
256 ,4096000 ,1024 ,1024000000 #60
BCM_ESUB =
256 ,512000 ,1024 ,1024000000 #60
BCM_GPCT =
4096 ,4096 ,4096 ,1024000000 #508
BCM_IOPROC =
92000 ,1152 ,4096 ,1024000000 #380
BCM_LOGAREA = 0 ,0 ,1 ,1024000000
#1020
BCM_LOGLIST = 0 ,0 ,1 ,1024000000
#252
BCM_PGC =
170000 ,170000 ,4096 ,1024000000 #1020
BCM_WKACC =
0 ,0 ,1024 ,1024000000 #252
BCM_WKDMON =
0 ,0 ,1024 ,1024000000 #252
BCM_WKSPC =
0 ,0 ,1024 ,1024000000 #60
BCM_WKSSPC =
0 ,0 ,1024 ,1024000000 #124
CCR_COMINF =
1024000 ,1662566 ,16384 ,1024000000
#3836(0xefc)
CCR_FGRP =
4096 ,289792 ,4096 ,1024000000 #252
CCR_IDT =
592896 ,204800 ,4096 ,1024000000
#912(0x390)
CCR_KAIOCB =
190000 ,190000 ,1024 ,1024000000 #92
CCR_LWPIDT =
10240 ,4096 ,4096 ,1024000000 #112(0x70)
#CCR_POLMCTL =
2764800 ,3440640 ,16384 ,1024000000
#4336(0x10+0x50*(42+12))

```

```

CCR_POLMCTL =
3070000 ,3580000 ,16384 ,1024000000
#4336(0x10+0x50*(42+12))
CCR_SANQUE =
20480 ,20480 ,1024 ,1024000000 #64
CCR_USRCON =
7168 ,7168 ,4096 ,1024000000 #448(0x1c0)
CCR_USRSTK =
65544 ,65544 ,65544 ,1024000000 #65536
#CCR_USRSTK =
33423000 ,33423000 ,65544 ,1024000000 #65536
CCR_WLIST =
20000 ,20000 ,1024 ,1024000000 #28(0x1c)
CCR_WPID =
310000 ,310000 ,1024 ,1024000000 #60
DSM_DSAH =
4096 ,458000 ,4096 ,1024000000 #2044
#DSM_DSAP =
256 ,32400000 ,10240 ,1024000000 #124
DSM_DSAP =
256 ,14336000 ,1024 ,1024000000 #124
DSM_DSIL =
256 ,1485000 ,1024 ,1024000000 #60
DSM_DSVP =
3072 ,3072 ,1024 ,1024000000 #60
DSM_DSVQ =
50000 ,50000 ,1024 ,1024000000 #92
DSM_DSWH =
0 ,0 ,4096 ,1024000000 #2044
DSM_DSWP = 0 ,0 ,1024 ,1024000000
#124
DSM_DUSI =
20480 ,20480 ,1024 ,1024000000 #60
DSM_DWFL = 0 ,0 ,1024 ,1024000000
#60
DSM_DWUI = 0 ,0 ,1024 ,1024000000
#60
LCM_LOGCNTL =
44000 ,44000 ,4096 ,1024000000 #252
SCI_CMD =
1024 ,159744 ,4096 ,1024000000 #508
SCL_CONBF =
4096 ,4096 ,4096 ,1024000000 #508
SSV_IINF =
25000 ,25000 ,1024 ,1024000000 #124
TCM_TRAN =
44000 ,44000 ,4096 ,1024000000 #252
UTY_UNQUE =
0 ,0 ,1024 ,1024000000 #172
UTY_UNDB = 0 ,0 ,4096 ,1024000000
#508
UTY_UNDSI = 0 ,0 ,1024 ,1024000000
#124
XCM_KHASH =
0 ,0 ,4096 ,1024000000 #1036
XCM_KMEM = 0 ,0 ,4096 ,1024000000
#2044
XCM_KQUE = 0 ,0 ,1024 ,1024000000
#28
XCM_KTERM =
0 ,0 ,1024 ,1024000000 #28
#XCM_LOCK =
320000 ,320000 ,65000 ,1024000000 #60
XCM_LOCK =
408000 ,246000 ,3000 ,1024000000 #60
#XCM_LPHASH =
512 ,4121600 ,65000 ,1024000000 #1028

```

```

#XCM_LPHASH =
512 ,9000000 ,65000 ,1024000000 #1028
#XCM_LPHASH =
10240 ,4121600 ,65000 ,1024000000 #1028
XCM_LPHASH =
10240 ,5144000 ,65000 ,1024000000 #1028
XCM_NLOWN =
5120 ,5120 ,1024 ,1024000000 #28
XCM_NLQUE =
2048 ,2048 ,1024 ,1024000000 #60
XCM_NLRSC =
2048 ,2048 ,1024 ,1024000000 #252
XCM_OWNER =
21000 ,21000 ,1024 ,1024000000 #124
#XCM_QUE =
716800 ,2088960 ,65000 ,1024000000 #124
XCM_QUE =
819000 ,2088960 ,65000 ,1024000000 #124
XCM_TTERM =
1024 ,593920 ,1024 ,1024000000 #44
XCM_WQUE_S =
0 ,0 ,1024 ,1024000000 #76
XCM_RSC_S = 0 ,0 ,1024 ,1024000000
#60
#-----
-----
# group
# = I # Z T C Y
#-----
-----
BCM_DFPOOL_G = 256 ,0 ,1024 ,1024000000
#124
BCM_DPCT_G = 128 ,0 ,1024 ,1024000000
#60
CCR_GCOMINF = 3840 ,0 ,7680 ,1024000000
#3836(0xefc)
XCM_BITMAP_G = 192 ,0 ,1024 ,1024000000
#92
XCM_BITMNG_G = 128 ,0 ,1024 ,1024000000
#60
XCM_RSC_G = 128 ,0 ,1024 ,1024000000
#60
XCM_WQUE_G = 160 ,0 ,1024 ,1024000000
#76
#-----
-----
# local
# = I # Z T C Y
#-----
-----
BCM_DFPOOL = 128 ,0 ,1024 ,1024000000
#124
BCM_DPCT = 64 ,0 ,1024 ,1024000000 #60
#BCM_LPCT = 960 ,0 ,1024 ,1024000000
#60
#BCM_LPG = 6400 ,0 ,1024 ,1024000000
#252
BCM_LPCT = 64 ,0 ,1024 ,1024000000 #60
BCM_LPG = 256 ,0 ,1024 ,1024000000 #252
BCM_PFT = 256 ,0 ,1024 ,1024000000 #252
CCR_LCOMINF = 8192 ,0 ,16384 ,1024000000
#3836(0xefc)
DSM_DDSF = 256 ,0 ,1024 ,1024000000
#252
DSM_DESF = 256 ,0 ,1024 ,1024000000
#252

```

```
SAP_KEY = 4096 ,0,8192 ,102400000
#4092
SCI_CS = 0 ,0,1 ,102400000 #124
XCM_BITMAP = 960 ,0,1024 ,102400000
#92
XCM_BITMNG = 64 ,0,1024 ,102400000
#60
XCM_RSC = 64 ,0,1024 ,102400000 #60
XCM_WQUE = 80 ,0,1024 ,102400000 #76
XCM_THASH = 48 ,0,64 ,102400000 #44
XCM_TQUE = 400 ,0,1024 ,102400000 #76
```

**File: RDBSYSCONFIG**

```
#-----
#
# All Rights Reserved, Copyright(c) FUJITSU
1993, 1994, 1995, 1996
# All Rights Reserved, Copyright(c) PFU 1993,
1994, 1995
#
# : q c a l l \ t @ C
#
#-----
#RDBCORE=N:\RDB2\BASE\ETC\RDBCORE
#RDBDIRSPACE1=N:\RDB2\BASE\USR\DIR
#RDBDIRSPACE2=N:\RDB2\BASE\USR\DIR
#RDBLOG=128,128
#RDBCNTNUM=64
#RDBEXTMEM=1024
#RDBEXTMEMADDR=0x20000000
#RDBPRJCODE=0xdb
#RDBSQLENV=N:\RDB2\BASE\ETC\UXPSQLEN
V
#RDBSYSBUF=N:\RDB2\BASE\ETC
RDBCORE=x:\
#RDBDIRSPACE1=C:\SFWD\RDB\USR\DIR
#RDBDIRSPACE2=C:\SFWD\RDB\USR\DIR
RDBDIRSPACE1=d:\DIR
RDBDIRSPACE2=d:\DIR
#RDBLOG=128,128
#RDBLOG=5120,1024
RDBLOG=1024,1024
RDBCNTNUM=50
RDBPRJCODE=0xdb
RDBSQLENV=C:\SFWETC\RDB\ETC\uxpsqlenv
RDBSYSBUF=C:\SFWETC\RDB\ETC
RDBEXTMEM=4096
RDBEXTMEMADDR=0x7F9B0000

#RDBDBSNUM+=165
#RDBMAXLWP=330
# for 1900WH
RDBDBSNUM+=230
RDBMAXLWP=100
RDBREADUNC=NO
RDBLOGAIONUM=90
RDBLOGBIONUM=256

#970304
RDBLOGIOSLEEP=10
RDBLOGSLTRNUM=2
```

```
RDBLOGGRCOMMIT=4

#####
# for 2CPU-4CPU
RDBSLKLOOP=10 # for kansa
#RDBSLKLOOP=30 # lock wait kaizen
you

# FUKA-Balance
#RDBSDPLDBALMODE=0
```

```
#####
#CPU-BIND#
#####
RDBSDPCPU=0,1,2,3 # 1 SQL EXEC 4CPU
RDBDBSCPU=3 # 2 IO daemon
RDBTLFCPU=3 # 3 LOG
RDBDIRCPU=3 # 4 DIR
RDBWKSCPU=3
RDBCCRDMCPU=3
RDBRECEPCPU=3
RDBSORTCPU=3
RDBTCPICPU=3 # RDBTCP
RDBALFCPU=3
RDBIOCPU=3
RDBBUFCPU=3
#####
#
#RDBMAXRCPIO=15
#980109 C
RDBMAXRCPIO=20
#RDBMAXDBIO=15
# 980825 RDBMAXDBIO=10 ->
RDBMAXDBIO=13
RDBMAXDBIO=10
#RDBMAXDBIO=13
#RDBMAXRCPIO=100
#RDBMAXDBIO=20
```

```
### KAIO
#####
###
#RDBKAIOREP=6 #NG 990713::: All Apl Not
stop !!
RDBKAIOD9F=yes #
RDBKAIOSLFWAIT=yes #
RDBKAIOCNT=yes # KAIO ON(yes)/OFF(#)
RDBKAIODSP=yes # v e o -(rdstop P)
RDBKCHKSKIPCNT=100 # v
#RDBKCHKSKIPCNT=200 # v
#--RDBKTAJUUDOSDP=4096 #
RDBKLSTNUMSDP=3120
#--RDBKCATENUMSDP=1024 #
RDBKAILOYLD=0 #(Default:1)
#RDBIOERRDOWN=yes # KAIO IOERR ->
exit
#####
#####
RDBMCTQSIZE=2048
### CCR-mem (980817) #####
#RDB_SDP_MEM_SIZE_K=32768
#####
```

**File: RDBSYSPPARM**

```
#
```

```
# All Rights Reserved, Copyright(c) FUJITSU
1996, 1997
# All Rights Reserved, Copyright(c) PFU 1996
#
# Title: RDB system definition file
#
#####
#####
# DO NOT TOUCH ME!!
#
#RDBMEMBLKSIZE=63
RDBMEMBLKSIZE=127
#RDBLBUFSIZE=0,128,512
COMMUNICATION_BUFFER=1
SORT_MEM_SIZE=64
WORK_MEM_SIZE=64
#CGP_INIT_SIZE=1
#CGP_ELEM=10
MEM_CMD_POOL_SIZE=12
#MEM_LC1_POOL_SIZE=1
#MEM_LC2_POOL_SIZE=1
MEM_LC3_POOL_SIZE=24
MEM_OPL_POOL_SIZE=128
#MEM_OPT_POOL_SIZE=1
MEM_SCT_POOL_SIZE=8
#MEM_SPL_POOL_SIZE=1
DYN_SQL_BUFFER=3, 1, 3
TID_BUFFER=1, 1, 3
CURSOR_NAME_BUFFER=1, 1, 1
#BUFFER_SIZE=1, 1
RESULT_BUFFER=0, 1
OPL_BUFFER_SIZE=1
MAX_CONNECT_SYS=20
#DESC_NUM=256
```

**File: sokutei\_0d\_4SMP.BAT**

```
@rem rdblog -R -a
@rem rdblog -R -a
@rem rdblog -R -a
@rem rdblog -R -a
@rem rdblog -R -a
@rem rdblog -R -a
@rem rdblog -R -a
@rem rdblog -S -a
@rem rdblog -R -a
@rem rdblog -V -a

cd \tool\ntbind
call intbind-cpu3.bat

@rem 980902 DELETE WH > 1422
@rem rdbstart
@rem call 3Tire_START.bat
@rem rdbstop

set SQLRTENV=c:\rdbptc\tpcc80\tpcc\l-
onsrc\sqlrt_cw.env

del /Q c:\rdbptc\tpcc80\tpcc\result\deleted\dele*

cd \rdbptc\tpcc80\ddloza
rdbstart -d

rdblog -R -a
```

```

rdblog -R -a
rdblog -R -a
rdblog -R -a
rdblog -R -a
rdblog -R -a
rdblog -R -a
rdblog -S -a
rdblog -R -a
rdblog -V -a

```

```

call crbuf.oza-4SMP.bat
rdbconbf -f conbf.oza-4SMP.dat

```

```

@rem cd \ozal\columnw
cd \tool\columnw
getitem.exe

```

```

cd \rdbptc\tpcc80\tpcc\l-onsrc
set SQLRTENV=

```

```

@echo #####
@echo ##          ##
@echo #    sar.bat    #
@echo #    rdbstop    #
@echo ##          ##
@echo #####

```

**File: sql.env**

```

;
; All Rights Reserved, Copyright(c) FUJITSU 1993,
1994, 1995
; All Rights Reserved, Copyright(c) PFU 1993,
1994, 1995
;
; : N C A g p    t@C
;
;
; R g: s    ' R g
; s : `w    K s s
; s : 1s w \ p 1024
;
;
; UXPSQLENV
;
;SERVER_SPEC = ( RDB2_TCP, TPCC, TPCC ,
pcrdbsv04 , 2050 )
;SERVER_SPEC = ( RDA, TPCC, TPCC ,
pcrdbsv04 , 2002 )

SERVER_SPEC = ( RDB2_TCP, SV1, TPCC ,
pcrdbsv10 , 2050 )
DEFAULT_CONNECTION = ( TPCC,
Administrator, rdb2 )

TRAN_SPEC = ( TRANSACTION_ROLLBACK )
;BUFFER_SIZE = ( 128 , 128 )
;WAIT_TIME = ( 0 )
;SQL_SNAP = ( OFF, /SORTWK2/temp.snap )
;PERFORMANCE = ( OFF,
/SORTWK2/temp.perf )
;NCHAR_CODE = ( EUC )
;OPL_BUFFER_SIZE = ( 256 )
OPL_BUFFER_SIZE = ( 280 )

```

```

;CHARACTER_TRANSLATE = CLIENT
;CHAR_CODE = EUC
;RESULT_BUFFER = ( 5, 16 )
RESULT_BUFFER = ( 0 )
;MSG_PRINT = ( ON )
;DSO_LOCK =
( TPCC.DISTRICT_DSO/PEX,TPCC.STOCK_DS
O/PEX,TPCC.ORDERLINE_IX_DSO/PEX,TPCC.
ORDERS_DSO/PEX,TPCC.ORDERS_IX1_DSO/
PEX,TPCC.ORDERS_IX2_DSO/PEX,TPCC.ORD
ERLINE_DSO/PEX,TPCC.CUSTOMER_IX_DSO/
SH,TPCC.ITEM_DSO/SH )
;DSO_LOCK =
( TPCC.HISTORY_DSO/EX,TPCC.CUSTOMER_I
X_DSO/SH,TPCC.ITEM_DSO/SH,TPCC.ORDER
LINE_DSO/EX,TPCC.ORDERLINE_IX_DSO/EX )
;DSO_LOCK =
( TPCC.HISTORY_DSO/EX,TPCC.CUSTOMER_I
X_DSO/SH,TPCC.ITEM_DSO/SH )
;DSO_LOCK =
( TPCC.HISTORY_DSO/EX,TPCC.CUSTOMER_I
X_DSO/SH,TPCC.ITEM_DSO/SH,
TPCC.ORDERS_DSO/EX,TPCC.ORDERS_
IX_DSO/EX )
;DSO_LOCK =
( TPCC.HISTORY_DSO/EX,TPCC.CUSTOMER_I
X_DSO/SH,TPCC.ITEM_DSO/SH )
DSO_LOCK =
( TPCC.HISTORY_DSO/EX,TPCC.CUSTOMER_I
X_DSO/SH,TPCC.ITEM_DSO/SH,
TPCC.ORDERLINE_DSO/EX,TPCC.ORD
RS_DSO/EX,TPCC.ORDERS_IX_DSO/EX,
TPCC.NEWORDER_DSO/EX,TPCC.NEWO
RDER_IX_DSO/EX )
SIGNAL_INF = NO
SORT_MEM_SIZE = 128
WORK_MEM_SIZE = 64
;ROUTINE_SNAP = ( ON,c:\R_SNAP.txt,2 )
;SQL_SNAP = ( ALL, snap.txt )

```

**File: sqlrt.env**

```

; A v P { V p    t@C    ^
;
; All Rights Reserved, Copyright(c) FUJITSU 1993,
1994, 1995
; All Rights Res18:45 96/11/2218:45
96/11/22erved, Copyright(c) PFU 1993, 1994,
1995
;
; : A v P { V p    t@C
;
;
; R g: s    ' R g
; @ @ @ @ @ s @ @ @ @ @ F @ `w
K s s
; s : 1s w \ p 227
;
;
;
;DEFAULT_CONNECTION = ( TPCC )
;TRAN_SPEC = ( NONE )
;DESCRIPTOR_SPEC = ( 30,1 )
;BUFFER_SIZE = ( 32 )
;WAIT_TIME = ( 0 )
;OPL_BUFFER_SIZE = ( 500 )

```

```

;RESULT_BUFFER = ( 2 , 32 )
;MAX_SQL = ( 32 )
;SORT_MEM_SIZE = ( 500 )
;WORK_PATH = ( C:\TEMP )
;WORK_MEM_SIZE = ( 500 )
;R_LOCK = ( YES )

;
; All Rights Reserved, Copyright(c) FUJITSU 1993,
1994, 1995
; All Rights Reserved, Copyright(c) PFU 1993,
1994, 1995
;
; : N C A g p    t@C
;
;
; R g: s    ' R g
; s : `w    K s s
; s : 1s w \ p 1024
;
;
; UXPSQLENV
;
;DEFAULT_CONNECTION = ( TPCC )
TRAN_SPEC = ( TRANSACTION_ROLLBACK )
;BUFFER_SIZE = ( 128 , 128 )
;WAIT_TIME = ( 0 )
;PERFORMANCE = ( OFF,
/SORTWK2/temp.perf )
;NCHAR_CODE = ( EUC )
OPL_BUFFER_SIZE = ( 256 )
;CHARACTER_TRANSLATE = CLIENT
;CHAR_CODE = EUC
;RESULT_BUFFER = ( 5, 16 )
RESULT_BUFFER = ( 0 )
;MSG_PRINT = ( ON )
;DSO_LOCK =
( TPCC.DISTRICT_DSO/PEX,TPCC.STOCK_DS
O/PEX,TPCC.ORDERLINE_IX_DSO/PEX,TPCC.
ORDERS_DSO/PEX,TPCC.ORDERS_IX1_DSO/
PEX,TPCC.ORDERS_IX2_DSO/PEX,TPCC.ORD
ERLINE_DSO/PEX,TPCC.CUSTOMER_IX_DSO/
SH,TPCC.ITEM_DSO/SH )
DSO_LOCK =
( TPCC.HISTORY_DSO/EX,TPCC.CUSTOMER_I
X_DSO/SH,TPCC.ITEM_DSO/SH,TPCC.STOCK_
DSO/SH )
;
;
;SIGNAL_INF = NO
SORT_MEM_SIZE = 128
WORK_MEM_SIZE = 64
;ROUTINE_SNAP = ( ON,c:\rdbptc\tpcc80\tpcc\l-
onsrc\R_SNAP.txt,2 )
;SQL_SNAP = ( ALL, snap.txt )

```

**File: ubbconfig**

```

#
# ubbconfig : TUXEDO configuration file
#

```

```
*RESOURCES
IPCKEY      133133
MASTER     SITE1
#UID        1
#GID        1
PERM        0660
MAXACCESSERS 800
MAXSERVERS  92
MAXSERVICES 1000
MODEL       SHM
LDBAL       Y
```

```
*MACHINES
NTCL14     LMID=SITE1
           APPDIR="c:\sv-apl\fm"
           TUXCONFIG="c:\client\tuxconfig"
           TUXDIR="c:\tuxedo"
           ULOGPFX="c:\tuxlog\numazu"
           ENVFILE="c:\sv-apl\fm\envfile.txt"
```

```
*GROUPS
group1     LMID=SITE1 GRPNO=1
group2     LMID=SITE1 GRPNO=2
group3     LMID=SITE1 GRPNO=3
group4     LMID=SITE1 GRPNO=4
group5     LMID=SITE1 GRPNO=5
group6     LMID=SITE1 GRPNO=6
group7     LMID=SITE1 GRPNO=7
group8     LMID=SITE1 GRPNO=8
group9     LMID=SITE1 GRPNO=9
group10    LMID=SITE1 GRPNO=10
group11    LMID=SITE1 GRPNO=11
group12    LMID=SITE1 GRPNO=12
group13    LMID=SITE1 GRPNO=13
group14    LMID=SITE1 GRPNO=14
group15    LMID=SITE1 GRPNO=15
group16    LMID=SITE1 GRPNO=16
group17    LMID=SITE1 GRPNO=17
group18    LMID=SITE1 GRPNO=18
group19    LMID=SITE1 GRPNO=19
group20    LMID=SITE1 GRPNO=20
group21    LMID=SITE1 GRPNO=21
group22    LMID=SITE1 GRPNO=22
group23    LMID=SITE1 GRPNO=23
```

```
*SERVERS
DEFAULT:   RESTART=Y MAXGEN=5
REPLYQ=N  RQPERM=0660
tpcc_NT_fml SRVGRP=group1
           ROADDR=TPCCq1 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group2
           ROADDR=TPCCq2 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group3
           ROADDR=TPCCq3 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group4
           ROADDR=TPCCq4 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group5
           ROADDR=TPCCq5 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group6
           ROADDR=TPCCq6 SRVID=1 CLOPT="-s
           TPCC:TPCC"
```

```
tpcc_NT_fml SRVGRP=group7
           ROADDR=TPCCq7 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group8
           ROADDR=TPCCq8 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group9
           ROADDR=TPCCq9 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group10
           ROADDR=TPCCq10 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group11
           ROADDR=TPCCq11 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group12
           ROADDR=TPCCq12 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group13
           ROADDR=TPCCq13 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group14
           ROADDR=TPCCq14 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group15
           ROADDR=TPCCq15 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group16
           ROADDR=TPCCq16 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group17
           ROADDR=TPCCq17 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group18
           ROADDR=TPCCq18 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group19
           ROADDR=TPCCq19 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group20
           ROADDR=TPCCq20 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group21
           ROADDR=TPCCq21 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group22
           ROADDR=TPCCq22 SRVID=1 CLOPT="-s
           TPCC:TPCC"
tpcc_NT_fml SRVGRP=group23
           ROADDR=TPCCq23 SRVID=1 CLOPT="-s
           TPCC:TPCC"
```

```
*SERVICES
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group1
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group2
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group3
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group4
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group5
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group6
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group7
```

```
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group8
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group9
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group10
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group11
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group12
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group13
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group14
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group15
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group16
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group17
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group18
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group19
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group20
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group21
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group22
"TPCC" TRANTIME=0 ROUTING="route"
SRVGRP=group23
```

```
*ROUTING
"route" FIELD=FML_TERM
        BUFTYPE="FML"
        RANGES="1-18:group1,19-36:group2,37-
54:group3,55-72:group4,73-90:group5,91-
108:group6,109-126:group7,127-144:group8,145-
162:group9,163-180:group10,181-
198:group11,199-216:group12,217-
234:group13,235-252:group14,253-
270:group15,271-288:group16,289-
306:group17,307-324:group18,325-
342:group19,343-360:group20,361-
378:group21,379-396:group22,397-
414:group23,*,*"
```

**File: UXPSOLENV**

```
;
; All Rights Reserved, Copyright(c) FUJITSU 1993,
1994, 1995, 1996, 1997
; All Rights Reserved, Copyright(c) PFU 1993,
1994, 1995
;
; : V X e p t @ C
;
;
; R g : s ' ; R g
; s : ' w K s s
; s : 1 s w \ p 1024
;
;MAX_CONNECT_TCP = (0)
;MAX_CONNECT_SYS = (20)
;COMMUNICATION_BUFFER = (1)
```

```

;SORT_MEM_SIZE = (2112)
;:WORK_PATH = (C:\SFWS\VRDB\TMP)
;WORK_MEM_SIZE = (64)
;DEFAULT_TABLE_SIZE = (4,256,64,0)
;DEFAULT_INDEX_SIZE = (2,2,168,32,32,0)
;TABLE_PREFIX = (#)
;INDEX_PREFIX = (@)
;CONSOLE_MSG = (YES)

;MAX_CONNECT_TCP = (220)
MAX_CONNECT_TCP = (121)

;JOIN_RULE=(F,3)
;MAX_CONNECT_SYS = (320)
MAX_CONNECT_SYS = (50)
COMMUNICATION_BUFFER = (4)
;SORT_MEM_SIZE = (5000)
SORT_MEM_SIZE = (255)

WORK_PATH = (C:\SFWS\VRDB\TMP)
;WORK_MEM_SIZE = (5000)
WORK_MEM_SIZE = (255)
DEFAULT_INDEX_SIZE = (2,2,168,32,32,0)
TABLE_PREFIX = (#)
INDEX_PREFIX = (@)
CONSOLE_MSG = (YES)

;DEBUG_INFO = (ON,5007)

; 980907 Add
;RDB2_TCP_LEVEL = (LEVEL2)

```

# Appendix E: Database Creation Code

**File: ALL\_2232WH.bat**

```

echo off

@rem -----
set TESTDIR=c:\rdbptc
@rem -----

@rem Symfo inst-dir
@rem -----
set SFWD_D=c:\sfwetc
@rem -----

@rem AI_LOG-dir
@rem -----
set AI_D=e:
@rem -----

@rem BI_LOG-dir
@rem -----
set BI_D=f:
@rem -----

echo
#####
echo TESTDIR=%TESTDIR%
echo SFWD_D=%SFWD_D%
echo AI_D=%AI_D%\dev
echo BI_D=%BI_D%\dev
#####
echo #####
echo OK or NG
echo
#####
echo OK -- HIT ANY KEY to start bach
echo NG -- CTRL+C and change "all.bat" restart
echo
#####
echo #

echo on

rdbstop -d

@rem call CRDIC_4GB.bat
call CRDIC_mini.bat

sleep 1
rdbstart -d

rdbddlex ddl_db.mak
rdbddlex -d TPCC crta.def.dec_to_int
rdbddlex -d TPCC ddl.oza-2232WH.dat

sleep 1

```

```

cd 2232wh
start call s1.bat
start call s2.bat
start call s3.bat
start call s4.bat
start call s5.bat
start call s6.bat
start call s7.bat
start call s8.bat
start call s9.bat
start call sload_x_21.bat

call sload_x_19.bat
call sload_x_20.bat

call sload_x_WDI.bat

@rem sleep 120m

cd \rdbptc\tpcc80\tpccb-onsrc\stored
call Y_stored-990712.bat

@rem rdbstop

@rem cd \rdbptc\tpcc80\ddloza

@rem call make_arc_log.bat

```

**File: CRDIC\_4GB.bat**

```

@rem set LOG_IX=%TESTDIR%\dev\L_IX
@rem set LOG_AI=%TESTDIR%\dev\L_AI
@rem set LOG_BI=%BI_D%\dev\L_BI
set LOG_IX=g:\dev\L_IX
set LOG_AI=e:\dev\L_AI
set LOG_BI=f:\dev\L_BI
set DIC_PL=c:\dev\DIC_PL

set BISZ=2000M
set AISZ=4090M
set TRN=200
@rem set TRN=370
set RCV=3790M

del c:\sfwetc\rdb\etc\rdblogmanage
del %LOG_IX%
del %LOG_AI%
del %LOG_BI%
del /P %DIC_PL%

rdblog -l

@rem rdblog -G -t -c %RCV% -io
2048 %LOG_IX% %LOG_BI% %LOG_AI% %BISZ
% AISZ% %TRN%
@rem rdblog -V -t
rdblog -G -t -c %RCV% -io
2048 %LOG_IX% %LOG_BI% %LOG_AI% %BISZ
% AISZ% %TRN%
rdblog -V -t

```

```
rdbcrdic -f %DIC_PL% -c 100M -a 100M
```

```
rdbstart
rdbstop
```

**File: crta.def.dec\_to\_int**

```

--
#####
#####
--# TPC-C f e[u
--#
--# 1995.5.15 r
--# 1996.4.18 DECIMAL -> CHAR
or SMALLINT or INTEGER X
--# 1996.10.18
C_ID,H_C_ID,O_C_ID SMALLINT ->
INTEGER X
--# L_IM_ID
--# 1998.11.9 W_YTD, D_YTD,
C_BALANCE, C_CREDIT_LIM,
--# C_YTD_PAYMENT
> 12 XiZ gP j
--#
--
#####
#####
CREATE SCHEMA TPCC_SCHEMA
--
#####
#####
--# e[u
--#
#####
#####
CREATE TABLE
TPCC_SCHEMA.WAREHOUSE(
W_ID SMALLINT NOT NULL,
W_NAME CHAR(10) NOT NULL,
W_STREET_1 CHAR(20) NOT NULL,
W_STREET_2 CHAR(20) NOT NULL,
W_CITY CHAR(20) NOT NULL,
W_STATE CHAR(2) NOT
NULL,
W_ZIP CHAR(9) NOT
NULL,
W_TAX DECIMAL(4,4) NOT
NULL, '96/04/18 X
W_TAX SMALLINT NOT NULL,
-- W_YTD DECIMAL(12,2) NOT
NULL, '98/11/09 X
W_YTD DECIMAL(12,0) NOT
NULL,
PRIMARY KEY(W_ID)
)

CREATE TABLE TPCC_SCHEMA.DISTRICT(
D_ID SMALLINT NOT NULL,
D_W_ID SMALLINT NOT NULL,
D_NAME CHAR(10) NOT NULL,
D_STREET_1 CHAR(20) NOT NULL,
D_STREET_2 CHAR(20) NOT NULL,
D_CITY CHAR(20) NOT NULL,

```

```

D_STATE CHAR(2) NOT
NULL,
D_ZIP CHAR(9) NOT
NULL,
-- D_TAX DECIMAL(4,4) NOT
NULL, '96/04/18 X
D_TAX SMALLINT NOT NULL,
-- D_YTD DECIMAL(12,2) NOT
NULL, '98/11/09 X
D_YTD DECIMAL(12,0) NOT
NULL,
D_NEXT_O_ID INTEGER NOT
NULL,
PRIMARY KEY(D_W_ID,D_ID)
)
CREATE TABLE TPCC_SCHEMA.CUSTOMER(
-- C_ID SMALLINT NOT NULL,
'96/10/18 X
C_ID INTEGER NOT NULL,
C_D_ID SMALLINT NOT NULL,
C_W_ID SMALLINT NOT NULL,
C_FIRST CHAR(16) NOT NULL,
C_MIDDLE CHAR(2) NOT NULL,
C_LAST CHAR(16) NOT NULL,
C_STREET_1 CHAR(20) NOT NULL,
C_STREET_2 CHAR(20) NOT NULL,
C_CITY CHAR(20) NOT NULL,
C_STATE CHAR(2) NOT
NULL,
C_ZIP CHAR(9) NOT
NULL,
C_PHONE CHAR(16) NOT NULL,
-- C_SINCE DECIMAL(14) NOT
NULL, '96/04/18 X
C_SINCE CHAR(14) NOT NULL,
C_CREDIT CHAR(2) NOT NULL,
-- C_CREDIT_LIM DECIMAL(12,2) NOT
NULL, '98/11/09 X
C_CREDIT_LIM DECIMAL(12,0) NOT
NULL,
-- C_DISCOUNT DECIMAL(4,4) NOT
NULL, '96/04/18 X
C_DISCOUNT SMALLINT NOT NULL,
-- C_BALANCE DECIMAL(12,2) NOT
NULL, '98/11/09 X
C_BALANCE DECIMAL(12,0) NOT
NULL,
-- C_YTD_PAYMENT DECIMAL(12,2)
NOT NULL, '98/11/09 X
C_YTD_PAYMENT DECIMAL(12,0)
NOT NULL,
C_PAYMENT_CNT SMALLINT NOT
NULL,
C_DELIVERY_CNT SMALLINT NOT
NULL,
C_DATA CHAR(500) NOT NULL,
PRIMARY KEY(C_W_ID, C_D_ID, C_ID)
)
CREATE TABLE TPCC_SCHEMA.ITEM(
I_ID INTEGER NOT NULL,
I_IM_ID INTEGER NOT
NULL,
I_NAME CHAR(24) NOT NULL,
-- I_PRICE DECIMAL(5,2) NOT
NULL, '96/04/18 X
I_PRICE SMALLINT NOT NULL,

```

```

I_DATA CHAR(50) NOT NULL,
PRIMARY KEY(I_ID)
)
CREATE TABLE TPCC_SCHEMA.STOCK(
S_I_ID INTEGER NOT
NULL,
S_W_ID SMALLINT NOT NULL,
S_QUANTITY SMALLINT NOT NULL,
S_DIST_01 CHAR(24) NOT NULL,
S_DIST_02 CHAR(24) NOT NULL,
S_DIST_03 CHAR(24) NOT NULL,
S_DIST_04 CHAR(24) NOT NULL,
S_DIST_05 CHAR(24) NOT NULL,
S_DIST_06 CHAR(24) NOT NULL,
S_DIST_07 CHAR(24) NOT NULL,
S_DIST_08 CHAR(24) NOT NULL,
S_DIST_09 CHAR(24) NOT NULL,
S_DIST_10 CHAR(24) NOT NULL,
S_YTD INTEGER NOT
NULL,
S_ORDER_CNT SMALLINT NOT NULL,
S_REMOTE_CNT SMALLINT NOT
NULL,
S_DATA CHAR(50) NOT NULL,
PRIMARY KEY(S_W_ID, S_I_ID)
)
CREATE TABLE TPCC_SCHEMA.NEWORDER(
NO_O_ID INTEGER NOT
NULL,
NO_D_ID SMALLINT NOT NULL,
NO_W_ID SMALLINT NOT NULL,
PRIMARY KEY(NO_W_ID, NO_D_ID,
NO_O_ID)
)
CREATE TABLE TPCC_SCHEMA.ORDERS(
O_ID INTEGER NOT NULL,
O_D_ID SMALLINT NOT NULL,
O_W_ID SMALLINT NOT NULL,
-- O_C_ID SMALLINT NOT NULL,
'96/10/18 X
O_C_ID INTEGER NOT
NULL,
-- O_ENTRY_D DECIMAL(14) NOT
NULL, '96/04/18 X
O_ENTRY_D CHAR(14) NOT NULL,
O_CARRIER_ID SMALLINT,
O_OL_CNT SMALLINT NOT NULL,
O_ALL_LOCAL SMALLINT NOT NULL,
PRIMARY KEY(O_W_ID, O_D_ID, O_ID)
)
CREATE TABLE TPCC_SCHEMA.ORDERLINE(
OL_O_ID INTEGER NOT
NULL,
OL_D_ID SMALLINT NOT NULL,
OL_W_ID SMALLINT NOT NULL,
OL_NUMBER SMALLINT NOT NULL,
OL_I_ID INTEGER NOT
NULL,
OL_SUPPLY_W_ID SMALLINT NOT
NULL,
-- OL_DELIVERY_D DECIMAL(14),
'96/04/18 X
OL_DELIVERY_D CHAR(14),
OL_QUANTITY SMALLINT NOT NULL,

```

```

-- OL_AMOUNT DECIMAL(6,2) NOT
NULL, '96/04/18 X
OL_AMOUNT INTEGER NOT
NULL,
OL_DIST_INFO CHAR(24) NOT NULL,
PRIMARY KEY(OL_W_ID, OL_D_ID,
OL_O_ID, OL_NUMBER)
)
CREATE TABLE TPCC_SCHEMA.HISTORY(
-- H_C_ID SMALLINT NOT NULL,
'96/10/18 X
H_C_ID INTEGER NOT
NULL,
H_C_D_ID SMALLINT NOT NULL,
H_C_W_ID SMALLINT NOT NULL,
H_D_ID SMALLINT NOT NULL,
H_W_ID SMALLINT NOT NULL,
-- H_DATE DECIMAL(14) NOT
NULL, '96/04/27 X
H_DATE CHAR(14) NOT NULL,
-- H_AMOUNT DECIMAL(6,2) NOT
NULL, '96/04/18 X
H_AMOUNT INTEGER NOT NULL,
H_DATA CHAR(24) NOT NULL
)
-- dummy(for NT) 971208
CREATE TABLE TPCC_SCHEMA.PHCNTL(
S_I_ID INTEGER NOT
NULL,
S_W_ID SMALLINT NOT NULL,
PRIMARY KEY(S_W_ID, S_I_ID)
)

```

**File: ddl\_oza-2232WH.dat**

```

-----
-- Phase.1: DB Space
-----
CREATE DBSPACE SP1 ALLOCATE FILE
\\.\PhysicalDrive14 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP2 ALLOCATE FILE
\\.\PhysicalDrive22 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP3 ALLOCATE FILE
\\.\PhysicalDrive30 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP4 ALLOCATE FILE
\\.\PhysicalDrive38 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP5 ALLOCATE FILE
\\.\PhysicalDrive46 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP6 ALLOCATE FILE
\\.\PhysicalDrive54 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP7 ALLOCATE FILE
\\.\PhysicalDrive62 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP8 ALLOCATE FILE
\\.\PhysicalDrive70 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP9 ALLOCATE FILE
\\.\PhysicalDrive78 ATTRIBUTE SPACE(1400M);
CREATE DBSPACE SP10 ALLOCATE
FILE \\.\PhysicalDrive86 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP11 ALLOCATE
FILE \\.\PhysicalDrive94 ATTRIBUTE
SPACE(1400M);

```









```

CREATE DBSPACE SP210 ALLOCATE
FILE \\.\PhysicalDrive181 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP211 ALLOCATE
FILE \\.\PhysicalDrive189 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP212 ALLOCATE
FILE \\.\PhysicalDrive197 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP213 ALLOCATE
FILE \\.\PhysicalDrive205 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP214 ALLOCATE
FILE \\.\PhysicalDrive213 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP215 ALLOCATE
FILE \\.\PhysicalDrive221 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP216 ALLOCATE
FILE \\.\PhysicalDrive229 ATTRIBUTE
SPACE(1400M);
CREATE DBSPACE SP217 ALLOCATE
FILE \\.\PhysicalDrive13 ATTRIBUTE
SPACE(1400M);

-----
-- *Phase.X-X: PHCNTL
-----

CREATE DSO PHCNTL_DSO
FROM TPCC_SCHEMA.PHCNTL
TYPE
RANDOM(PAGESIZE1(2),PAGESIZE2(1))
WHERE (S_W_ID) BETWEEN
(?) AND (?);

CREATE DSI PHCNTL_1_DSI
DSO PHCNTL_DSO
USING(1,9)
ALLOCATE PRIME ON SP1 SIZE
124K,
OVERFLOW ON SP1 SIZE 4K;

CREATE DSI PHCNTL_2_DSI
DSO PHCNTL_DSO
USING(10,18)
ALLOCATE PRIME ON SP2 SIZE
124K,
OVERFLOW ON SP2 SIZE 4K;

CREATE DSI PHCNTL_3_DSI
DSO PHCNTL_DSO
USING(19,27)
ALLOCATE PRIME ON SP3 SIZE
124K,
OVERFLOW ON SP3 SIZE 4K;

CREATE DSI PHCNTL_4_DSI
DSO PHCNTL_DSO
USING(28,36)
ALLOCATE PRIME ON SP4 SIZE
124K,
OVERFLOW ON SP4 SIZE 4K;

CREATE DSI PHCNTL_5_DSI
DSO PHCNTL_DSO
USING(37,45)

```

```

ALLOCATE PRIME ON SP5 SIZE
124K,
OVERFLOW ON SP5 SIZE 4K;

CREATE DSI PHCNTL_6_DSI
DSO PHCNTL_DSO
USING(46,54)
ALLOCATE PRIME ON SP6 SIZE
124K,
OVERFLOW ON SP6 SIZE 4K;

CREATE DSI PHCNTL_7_DSI
DSO PHCNTL_DSO
USING(55,63)
ALLOCATE PRIME ON SP7 SIZE
124K,
OVERFLOW ON SP7 SIZE 4K;

CREATE DSI PHCNTL_8_DSI
DSO PHCNTL_DSO
USING(64,72)
ALLOCATE PRIME ON SP8 SIZE
124K,
OVERFLOW ON SP8 SIZE 4K;

CREATE DSI PHCNTL_9_DSI
DSO PHCNTL_DSO
USING(73,81)
ALLOCATE PRIME ON SP9 SIZE
124K,
OVERFLOW ON SP9 SIZE 4K;

CREATE DSI PHCNTL_10_DSI
DSO PHCNTL_DSO
USING(82,90)
ALLOCATE PRIME ON SP10 SIZE
124K,
OVERFLOW ON SP10 SIZE
4K;

CREATE DSI PHCNTL_11_DSI
DSO PHCNTL_DSO
USING(91,99)
ALLOCATE PRIME ON SP11 SIZE
124K,
OVERFLOW ON SP11 SIZE
4K;

CREATE DSI PHCNTL_12_DSI
DSO PHCNTL_DSO
USING(100,108)
ALLOCATE PRIME ON SP12 SIZE
124K,
OVERFLOW ON SP12 SIZE
4K;

CREATE DSI PHCNTL_13_DSI
DSO PHCNTL_DSO
USING(109,117)
ALLOCATE PRIME ON SP13 SIZE
124K,
OVERFLOW ON SP13 SIZE
4K;

CREATE DSI PHCNTL_14_DSI
DSO PHCNTL_DSO
USING(118,126)

```

```

ALLOCATE PRIME ON SP14 SIZE
124K,
OVERFLOW ON SP14 SIZE
4K;

CREATE DSI PHCNTL_15_DSI
DSO PHCNTL_DSO
USING(127,135)
ALLOCATE PRIME ON SP15 SIZE
124K,
OVERFLOW ON SP15 SIZE
4K;

CREATE DSI PHCNTL_16_DSI
DSO PHCNTL_DSO
USING(136,144)
ALLOCATE PRIME ON SP16 SIZE
124K,
OVERFLOW ON SP16 SIZE
4K;

CREATE DSI PHCNTL_17_DSI
DSO PHCNTL_DSO
USING(145,153)
ALLOCATE PRIME ON SP17 SIZE
124K,
OVERFLOW ON SP17 SIZE
4K;

CREATE DSI PHCNTL_18_DSI
DSO PHCNTL_DSO
USING(154,162)
ALLOCATE PRIME ON SP18 SIZE
124K,
OVERFLOW ON SP18 SIZE
4K;

CREATE DSI PHCNTL_19_DSI
DSO PHCNTL_DSO
USING(163,171)
ALLOCATE PRIME ON SP19 SIZE
124K,
OVERFLOW ON SP19 SIZE
4K;

CREATE DSI PHCNTL_20_DSI
DSO PHCNTL_DSO
USING(172,180)
ALLOCATE PRIME ON SP20 SIZE
124K,
OVERFLOW ON SP20 SIZE
4K;

CREATE DSI PHCNTL_21_DSI
DSO PHCNTL_DSO
USING(181,189)
ALLOCATE PRIME ON SP21 SIZE
124K,
OVERFLOW ON SP21 SIZE
4K;

CREATE DSI PHCNTL_22_DSI
DSO PHCNTL_DSO
USING(190,198)
ALLOCATE PRIME ON SP22 SIZE
124K,
OVERFLOW ON SP22 SIZE
4K;

```

<p>CREATE DSI PHCNTL_23_DSI DSO PHCNTL_DSO USING(199,207) ALLOCATE PRIME ON SP23 SIZE</p> <p>124K, OVERFLOW ON SP23 SIZE 4K;</p> <p>CREATE DSI PHCNTL_24_DSI DSO PHCNTL_DSO USING(208,216) ALLOCATE PRIME ON SP24 SIZE</p> <p>124K, OVERFLOW ON SP24 SIZE 4K;</p> <p>CREATE DSI PHCNTL_25_DSI DSO PHCNTL_DSO USING(217,225) ALLOCATE PRIME ON SP25 SIZE</p> <p>124K, OVERFLOW ON SP25 SIZE 4K;</p> <p>CREATE DSI PHCNTL_26_DSI DSO PHCNTL_DSO USING(226,234) ALLOCATE PRIME ON SP26 SIZE</p> <p>124K, OVERFLOW ON SP26 SIZE 4K;</p> <p>CREATE DSI PHCNTL_27_DSI DSO PHCNTL_DSO USING(235,243) ALLOCATE PRIME ON SP27 SIZE</p> <p>124K, OVERFLOW ON SP27 SIZE 4K;</p> <p>CREATE DSI PHCNTL_28_DSI DSO PHCNTL_DSO USING(244,252) ALLOCATE PRIME ON SP28 SIZE</p> <p>124K, OVERFLOW ON SP28 SIZE 4K;</p> <p>CREATE DSI PHCNTL_29_DSI DSO PHCNTL_DSO USING(253,261) ALLOCATE PRIME ON SP29 SIZE</p> <p>124K, OVERFLOW ON SP29 SIZE 4K;</p> <p>CREATE DSI PHCNTL_30_DSI DSO PHCNTL_DSO USING(262,270) ALLOCATE PRIME ON SP30 SIZE</p> <p>124K, OVERFLOW ON SP30 SIZE 4K;</p> <p>CREATE DSI PHCNTL_31_DSI DSO PHCNTL_DSO USING(271,279)</p>	<p>ALLOCATE PRIME ON SP31 SIZE</p> <p>124K, OVERFLOW ON SP31 SIZE 4K;</p> <p>CREATE DSI PHCNTL_32_DSI DSO PHCNTL_DSO USING(280,288) ALLOCATE PRIME ON SP32 SIZE</p> <p>124K, OVERFLOW ON SP32 SIZE 4K;</p> <p>CREATE DSI PHCNTL_33_DSI DSO PHCNTL_DSO USING(289,297) ALLOCATE PRIME ON SP33 SIZE</p> <p>124K, OVERFLOW ON SP33 SIZE 4K;</p> <p>CREATE DSI PHCNTL_34_DSI DSO PHCNTL_DSO USING(298,306) ALLOCATE PRIME ON SP34 SIZE</p> <p>124K, OVERFLOW ON SP34 SIZE 4K;</p> <p>CREATE DSI PHCNTL_35_DSI DSO PHCNTL_DSO USING(307,315) ALLOCATE PRIME ON SP35 SIZE</p> <p>124K, OVERFLOW ON SP35 SIZE 4K;</p> <p>CREATE DSI PHCNTL_36_DSI DSO PHCNTL_DSO USING(316,324) ALLOCATE PRIME ON SP36 SIZE</p> <p>124K, OVERFLOW ON SP36 SIZE 4K;</p> <p>CREATE DSI PHCNTL_37_DSI DSO PHCNTL_DSO USING(325,333) ALLOCATE PRIME ON SP37 SIZE</p> <p>124K, OVERFLOW ON SP37 SIZE 4K;</p> <p>CREATE DSI PHCNTL_38_DSI DSO PHCNTL_DSO USING(334,342) ALLOCATE PRIME ON SP38 SIZE</p> <p>124K, OVERFLOW ON SP38 SIZE 4K;</p> <p>CREATE DSI PHCNTL_39_DSI DSO PHCNTL_DSO USING(343,351) ALLOCATE PRIME ON SP39 SIZE</p> <p>124K, OVERFLOW ON SP39 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_40_DSI DSO PHCNTL_DSO USING(352,360) ALLOCATE PRIME ON SP40 SIZE</p> <p>124K, OVERFLOW ON SP40 SIZE 4K;</p> <p>CREATE DSI PHCNTL_41_DSI DSO PHCNTL_DSO USING(361,369) ALLOCATE PRIME ON SP41 SIZE</p> <p>124K, OVERFLOW ON SP41 SIZE 4K;</p> <p>CREATE DSI PHCNTL_42_DSI DSO PHCNTL_DSO USING(370,378) ALLOCATE PRIME ON SP42 SIZE</p> <p>124K, OVERFLOW ON SP42 SIZE 4K;</p> <p>CREATE DSI PHCNTL_43_DSI DSO PHCNTL_DSO USING(379,387) ALLOCATE PRIME ON SP43 SIZE</p> <p>124K, OVERFLOW ON SP43 SIZE 4K;</p> <p>CREATE DSI PHCNTL_44_DSI DSO PHCNTL_DSO USING(388,396) ALLOCATE PRIME ON SP44 SIZE</p> <p>124K, OVERFLOW ON SP44 SIZE 4K;</p> <p>CREATE DSI PHCNTL_45_DSI DSO PHCNTL_DSO USING(397,405) ALLOCATE PRIME ON SP45 SIZE</p> <p>124K, OVERFLOW ON SP45 SIZE 4K;</p> <p>CREATE DSI PHCNTL_46_DSI DSO PHCNTL_DSO USING(406,414) ALLOCATE PRIME ON SP46 SIZE</p> <p>124K, OVERFLOW ON SP46 SIZE 4K;</p> <p>CREATE DSI PHCNTL_47_DSI DSO PHCNTL_DSO USING(415,423) ALLOCATE PRIME ON SP47 SIZE</p> <p>124K, OVERFLOW ON SP47 SIZE 4K;</p> <p>CREATE DSI PHCNTL_48_DSI DSO PHCNTL_DSO USING(424,432)</p>
---	---	---

```

    ALLOCATE PRIME  ON SP48 SIZE
124K,
    OVERFLOW ON SP48 SIZE
4K;

    CREATE DSI PHCNTL_49_DSI
    DSO PHCNTL_DSO
    USING(433,441)
    ALLOCATE PRIME  ON SP49 SIZE
124K,
    OVERFLOW ON SP49 SIZE
4K;

    CREATE DSI PHCNTL_50_DSI
    DSO PHCNTL_DSO
    USING(442,450)
    ALLOCATE PRIME  ON SP50 SIZE
124K,
    OVERFLOW ON SP50 SIZE
4K;

    CREATE DSI PHCNTL_51_DSI
    DSO PHCNTL_DSO
    USING(451,459)
    ALLOCATE PRIME  ON SP51 SIZE
124K,
    OVERFLOW ON SP51 SIZE
4K;

    CREATE DSI PHCNTL_52_DSI
    DSO PHCNTL_DSO
    USING(460,468)
    ALLOCATE PRIME  ON SP52 SIZE
124K,
    OVERFLOW ON SP52 SIZE
4K;

    CREATE DSI PHCNTL_53_DSI
    DSO PHCNTL_DSO
    USING(469,477)
    ALLOCATE PRIME  ON SP53 SIZE
124K,
    OVERFLOW ON SP53 SIZE
4K;

    CREATE DSI PHCNTL_54_DSI
    DSO PHCNTL_DSO
    USING(478,486)
    ALLOCATE PRIME  ON SP54 SIZE
124K,
    OVERFLOW ON SP54 SIZE
4K;

    CREATE DSI PHCNTL_55_DSI
    DSO PHCNTL_DSO
    USING(487,495)
    ALLOCATE PRIME  ON SP55 SIZE
124K,
    OVERFLOW ON SP55 SIZE
4K;

    CREATE DSI PHCNTL_56_DSI
    DSO PHCNTL_DSO
    USING(496,504)
    ALLOCATE PRIME  ON SP56 SIZE
124K,
    OVERFLOW ON SP56 SIZE
4K;

```

```

    CREATE DSI PHCNTL_57_DSI
    DSO PHCNTL_DSO
    USING(505,513)
    ALLOCATE PRIME  ON SP57 SIZE
124K,
    OVERFLOW ON SP57 SIZE
4K;

    CREATE DSI PHCNTL_58_DSI
    DSO PHCNTL_DSO
    USING(514,522)
    ALLOCATE PRIME  ON SP58 SIZE
124K,
    OVERFLOW ON SP58 SIZE
4K;

    CREATE DSI PHCNTL_59_DSI
    DSO PHCNTL_DSO
    USING(523,531)
    ALLOCATE PRIME  ON SP59 SIZE
124K,
    OVERFLOW ON SP59 SIZE
4K;

    CREATE DSI PHCNTL_60_DSI
    DSO PHCNTL_DSO
    USING(532,540)
    ALLOCATE PRIME  ON SP60 SIZE
124K,
    OVERFLOW ON SP60 SIZE
4K;

    CREATE DSI PHCNTL_61_DSI
    DSO PHCNTL_DSO
    USING(541,549)
    ALLOCATE PRIME  ON SP61 SIZE
124K,
    OVERFLOW ON SP61 SIZE
4K;

    CREATE DSI PHCNTL_62_DSI
    DSO PHCNTL_DSO
    USING(550,558)
    ALLOCATE PRIME  ON SP62 SIZE
124K,
    OVERFLOW ON SP62 SIZE
4K;

    CREATE DSI PHCNTL_63_DSI
    DSO PHCNTL_DSO
    USING(559,567)
    ALLOCATE PRIME  ON SP63 SIZE
124K,
    OVERFLOW ON SP63 SIZE
4K;

    CREATE DSI PHCNTL_64_DSI
    DSO PHCNTL_DSO
    USING(568,576)
    ALLOCATE PRIME  ON SP64 SIZE
124K,
    OVERFLOW ON SP64 SIZE
4K;

    CREATE DSI PHCNTL_65_DSI
    DSO PHCNTL_DSO
    USING(577,585)

```

```

    ALLOCATE PRIME  ON SP65 SIZE
124K,
    OVERFLOW ON SP65 SIZE
4K;

    CREATE DSI PHCNTL_66_DSI
    DSO PHCNTL_DSO
    USING(586,594)
    ALLOCATE PRIME  ON SP66 SIZE
124K,
    OVERFLOW ON SP66 SIZE
4K;

    CREATE DSI PHCNTL_67_DSI
    DSO PHCNTL_DSO
    USING(595,603)
    ALLOCATE PRIME  ON SP67 SIZE
124K,
    OVERFLOW ON SP67 SIZE
4K;

    CREATE DSI PHCNTL_68_DSI
    DSO PHCNTL_DSO
    USING(604,612)
    ALLOCATE PRIME  ON SP68 SIZE
124K,
    OVERFLOW ON SP68 SIZE
4K;

    CREATE DSI PHCNTL_69_DSI
    DSO PHCNTL_DSO
    USING(613,621)
    ALLOCATE PRIME  ON SP69 SIZE
124K,
    OVERFLOW ON SP69 SIZE
4K;

    CREATE DSI PHCNTL_70_DSI
    DSO PHCNTL_DSO
    USING(622,630)
    ALLOCATE PRIME  ON SP70 SIZE
124K,
    OVERFLOW ON SP70 SIZE
4K;

    CREATE DSI PHCNTL_71_DSI
    DSO PHCNTL_DSO
    USING(631,639)
    ALLOCATE PRIME  ON SP71 SIZE
124K,
    OVERFLOW ON SP71 SIZE
4K;

    CREATE DSI PHCNTL_72_DSI
    DSO PHCNTL_DSO
    USING(640,648)
    ALLOCATE PRIME  ON SP72 SIZE
124K,
    OVERFLOW ON SP72 SIZE
4K;

    CREATE DSI PHCNTL_73_DSI
    DSO PHCNTL_DSO
    USING(649,657)
    ALLOCATE PRIME  ON SP73 SIZE
124K,
    OVERFLOW ON SP73 SIZE
4K;

```

CREATE DSI PHCNTL_74_DSI DSO PHCNTL_DSO USING(658,666) ALLOCATE PRIME ON SP74 SIZE	124K, 4K; ALLOCATE PRIME ON SP82 SIZE OVERFLOW ON SP82 SIZE	CREATE DSI PHCNTL_91_DSI DSO PHCNTL_DSO USING(811,819) ALLOCATE PRIME ON SP91 SIZE
124K, 4K; OVERFLOW ON SP74 SIZE	CREATE DSI PHCNTL_83_DSI DSO PHCNTL_DSO USING(739,747) ALLOCATE PRIME ON SP83 SIZE	124K, 4K; OVERFLOW ON SP91 SIZE
CREATE DSI PHCNTL_75_DSI DSO PHCNTL_DSO USING(667,675) ALLOCATE PRIME ON SP75 SIZE	124K, 4K; OVERFLOW ON SP83 SIZE	CREATE DSI PHCNTL_92_DSI DSO PHCNTL_DSO USING(820,828) ALLOCATE PRIME ON SP92 SIZE
124K, 4K; OVERFLOW ON SP75 SIZE	CREATE DSI PHCNTL_84_DSI DSO PHCNTL_DSO USING(748,756) ALLOCATE PRIME ON SP84 SIZE	124K, 4K; OVERFLOW ON SP92 SIZE
CREATE DSI PHCNTL_76_DSI DSO PHCNTL_DSO USING(676,684) ALLOCATE PRIME ON SP76 SIZE	124K, 4K; OVERFLOW ON SP84 SIZE	CREATE DSI PHCNTL_93_DSI DSO PHCNTL_DSO USING(829,837) ALLOCATE PRIME ON SP93 SIZE
124K, 4K; OVERFLOW ON SP76 SIZE	CREATE DSI PHCNTL_85_DSI DSO PHCNTL_DSO USING(757,765) ALLOCATE PRIME ON SP85 SIZE	124K, 4K; OVERFLOW ON SP93 SIZE
CREATE DSI PHCNTL_77_DSI DSO PHCNTL_DSO USING(685,693) ALLOCATE PRIME ON SP77 SIZE	124K, 4K; OVERFLOW ON SP85 SIZE	CREATE DSI PHCNTL_94_DSI DSO PHCNTL_DSO USING(838,846) ALLOCATE PRIME ON SP94 SIZE
124K, 4K; OVERFLOW ON SP77 SIZE	CREATE DSI PHCNTL_86_DSI DSO PHCNTL_DSO USING(766,774) ALLOCATE PRIME ON SP86 SIZE	124K, 4K; OVERFLOW ON SP94 SIZE
CREATE DSI PHCNTL_78_DSI DSO PHCNTL_DSO USING(694,702) ALLOCATE PRIME ON SP78 SIZE	124K, 4K; OVERFLOW ON SP86 SIZE	CREATE DSI PHCNTL_95_DSI DSO PHCNTL_DSO USING(847,855) ALLOCATE PRIME ON SP95 SIZE
124K, 4K; OVERFLOW ON SP78 SIZE	CREATE DSI PHCNTL_87_DSI DSO PHCNTL_DSO USING(775,783) ALLOCATE PRIME ON SP87 SIZE	124K, 4K; OVERFLOW ON SP95 SIZE
CREATE DSI PHCNTL_79_DSI DSO PHCNTL_DSO USING(703,711) ALLOCATE PRIME ON SP79 SIZE	124K, 4K; OVERFLOW ON SP87 SIZE	CREATE DSI PHCNTL_96_DSI DSO PHCNTL_DSO USING(856,864) ALLOCATE PRIME ON SP96 SIZE
124K, 4K; OVERFLOW ON SP79 SIZE	CREATE DSI PHCNTL_88_DSI DSO PHCNTL_DSO USING(784,792) ALLOCATE PRIME ON SP88 SIZE	124K, 4K; OVERFLOW ON SP96 SIZE
CREATE DSI PHCNTL_80_DSI DSO PHCNTL_DSO USING(712,720) ALLOCATE PRIME ON SP80 SIZE	124K, 4K; OVERFLOW ON SP88 SIZE	CREATE DSI PHCNTL_97_DSI DSO PHCNTL_DSO USING(865,873) ALLOCATE PRIME ON SP97 SIZE
124K, 4K; OVERFLOW ON SP80 SIZE	CREATE DSI PHCNTL_89_DSI DSO PHCNTL_DSO USING(793,801) ALLOCATE PRIME ON SP89 SIZE	124K, 4K; OVERFLOW ON SP97 SIZE
CREATE DSI PHCNTL_81_DSI DSO PHCNTL_DSO USING(721,729) ALLOCATE PRIME ON SP81 SIZE	124K, 4K; OVERFLOW ON SP89 SIZE	CREATE DSI PHCNTL_98_DSI DSO PHCNTL_DSO USING(874,882) ALLOCATE PRIME ON SP98 SIZE
124K, 4K; OVERFLOW ON SP81 SIZE	CREATE DSI PHCNTL_90_DSI DSO PHCNTL_DSO USING(802,810) ALLOCATE PRIME ON SP90 SIZE	124K, 4K; OVERFLOW ON SP98 SIZE
CREATE DSI PHCNTL_82_DSI DSO PHCNTL_DSO USING(730,738)	124K, 4K; OVERFLOW ON SP90 SIZE	CREATE DSI PHCNTL_99_DSI DSO PHCNTL_DSO USING(883,891)

ALLOCATE PRIME ON SP99 SIZE  
 124K,  
 OVERFLOW ON SP99 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_100\_DSI  
 DSO PHCNTL\_DSO  
 USING(892,900)  
 ALLOCATE PRIME ON SP100  
 SIZE 124K,  
 OVERFLOW ON SP100 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_101\_DSI  
 DSO PHCNTL\_DSO  
 USING(901,909)  
 ALLOCATE PRIME ON SP101  
 SIZE 124K,  
 OVERFLOW ON SP101 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_102\_DSI  
 DSO PHCNTL\_DSO  
 USING(910,918)  
 ALLOCATE PRIME ON SP102  
 SIZE 124K,  
 OVERFLOW ON SP102 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_103\_DSI  
 DSO PHCNTL\_DSO  
 USING(919,927)  
 ALLOCATE PRIME ON SP103  
 SIZE 124K,  
 OVERFLOW ON SP103 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_104\_DSI  
 DSO PHCNTL\_DSO  
 USING(928,936)  
 ALLOCATE PRIME ON SP104  
 SIZE 124K,  
 OVERFLOW ON SP104 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_105\_DSI  
 DSO PHCNTL\_DSO  
 USING(937,945)  
 ALLOCATE PRIME ON SP105  
 SIZE 124K,  
 OVERFLOW ON SP105 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_106\_DSI  
 DSO PHCNTL\_DSO  
 USING(946,954)  
 ALLOCATE PRIME ON SP106  
 SIZE 124K,  
 OVERFLOW ON SP106 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_107\_DSI  
 DSO PHCNTL\_DSO  
 USING(955,963)  
 ALLOCATE PRIME ON SP107  
 SIZE 124K,  
 OVERFLOW ON SP107 SIZE  
 4K;

CREATE DSI PHCNTL\_108\_DSI  
 DSO PHCNTL\_DSO  
 USING(964,972)  
 ALLOCATE PRIME ON SP108  
 SIZE 124K,  
 OVERFLOW ON SP108 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_109\_DSI  
 DSO PHCNTL\_DSO  
 USING(973,981)  
 ALLOCATE PRIME ON SP109  
 SIZE 124K,  
 OVERFLOW ON SP109 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_110\_DSI  
 DSO PHCNTL\_DSO  
 USING(982,990)  
 ALLOCATE PRIME ON SP110  
 SIZE 124K,  
 OVERFLOW ON SP110 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_111\_DSI  
 DSO PHCNTL\_DSO  
 USING(991,999)  
 ALLOCATE PRIME ON SP111  
 SIZE 124K,  
 OVERFLOW ON SP111 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_112\_DSI  
 DSO PHCNTL\_DSO  
 USING(1000,1008)  
 ALLOCATE PRIME ON SP112  
 SIZE 124K,  
 OVERFLOW ON SP112 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_113\_DSI  
 DSO PHCNTL\_DSO  
 USING(1009,1017)  
 ALLOCATE PRIME ON SP113  
 SIZE 124K,  
 OVERFLOW ON SP113 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_114\_DSI  
 DSO PHCNTL\_DSO  
 USING(1018,1026)  
 ALLOCATE PRIME ON SP114  
 SIZE 124K,  
 OVERFLOW ON SP114 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_115\_DSI  
 DSO PHCNTL\_DSO  
 USING(1027,1035)  
 ALLOCATE PRIME ON SP115  
 SIZE 124K,  
 OVERFLOW ON SP115 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_116\_DSI  
 DSO PHCNTL\_DSO  
 USING(1036,1044)

ALLOCATE PRIME ON SP116  
 SIZE 124K,  
 OVERFLOW ON SP116 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_117\_DSI  
 DSO PHCNTL\_DSO  
 USING(1045,1053)  
 ALLOCATE PRIME ON SP117  
 SIZE 124K,  
 OVERFLOW ON SP117 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_118\_DSI  
 DSO PHCNTL\_DSO  
 USING(1054,1062)  
 ALLOCATE PRIME ON SP118  
 SIZE 124K,  
 OVERFLOW ON SP118 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_119\_DSI  
 DSO PHCNTL\_DSO  
 USING(1063,1071)  
 ALLOCATE PRIME ON SP119  
 SIZE 124K,  
 OVERFLOW ON SP119 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_120\_DSI  
 DSO PHCNTL\_DSO  
 USING(1072,1080)  
 ALLOCATE PRIME ON SP120  
 SIZE 124K,  
 OVERFLOW ON SP120 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_121\_DSI  
 DSO PHCNTL\_DSO  
 USING(1081,1089)  
 ALLOCATE PRIME ON SP121  
 SIZE 124K,  
 OVERFLOW ON SP121 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_122\_DSI  
 DSO PHCNTL\_DSO  
 USING(1090,1098)  
 ALLOCATE PRIME ON SP122  
 SIZE 124K,  
 OVERFLOW ON SP122 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_123\_DSI  
 DSO PHCNTL\_DSO  
 USING(1099,1107)  
 ALLOCATE PRIME ON SP123  
 SIZE 124K,  
 OVERFLOW ON SP123 SIZE  
 4K;  
  
 CREATE DSI PHCNTL\_124\_DSI  
 DSO PHCNTL\_DSO  
 USING(1108,1116)  
 ALLOCATE PRIME ON SP124  
 SIZE 124K,  
 OVERFLOW ON SP124 SIZE  
 4K;



<p>CREATE DSI PHCNTL_125_DSI DSO PHCNTL_DSO USING(1117,1125) ALLOCATE PRIME ON SP125</p> <p>SIZE 124K, OVERFLOW ON SP125 SIZE 4K;</p> <p>CREATE DSI PHCNTL_126_DSI DSO PHCNTL_DSO USING(1126,1134) ALLOCATE PRIME ON SP126</p> <p>SIZE 124K, OVERFLOW ON SP126 SIZE 4K;</p> <p>CREATE DSI PHCNTL_127_DSI DSO PHCNTL_DSO USING(1135,1143) ALLOCATE PRIME ON SP127</p> <p>SIZE 124K, OVERFLOW ON SP127 SIZE 4K;</p> <p>CREATE DSI PHCNTL_128_DSI DSO PHCNTL_DSO USING(1144,1152) ALLOCATE PRIME ON SP128</p> <p>SIZE 124K, OVERFLOW ON SP128 SIZE 4K;</p> <p>CREATE DSI PHCNTL_129_DSI DSO PHCNTL_DSO USING(1153,1161) ALLOCATE PRIME ON SP129</p> <p>SIZE 124K, OVERFLOW ON SP129 SIZE 4K;</p> <p>CREATE DSI PHCNTL_130_DSI DSO PHCNTL_DSO USING(1162,1170) ALLOCATE PRIME ON SP130</p> <p>SIZE 124K, OVERFLOW ON SP130 SIZE 4K;</p> <p>CREATE DSI PHCNTL_131_DSI DSO PHCNTL_DSO USING(1171,1179) ALLOCATE PRIME ON SP131</p> <p>SIZE 124K, OVERFLOW ON SP131 SIZE 4K;</p> <p>CREATE DSI PHCNTL_132_DSI DSO PHCNTL_DSO USING(1180,1188) ALLOCATE PRIME ON SP132</p> <p>SIZE 124K, OVERFLOW ON SP132 SIZE 4K;</p> <p>CREATE DSI PHCNTL_133_DSI DSO PHCNTL_DSO USING(1189,1197)</p>	<p>ALLOCATE PRIME ON SP133</p> <p>SIZE 124K, OVERFLOW ON SP133 SIZE 4K;</p> <p>CREATE DSI PHCNTL_134_DSI DSO PHCNTL_DSO USING(1198,1206) ALLOCATE PRIME ON SP134</p> <p>SIZE 124K, OVERFLOW ON SP134 SIZE 4K;</p> <p>CREATE DSI PHCNTL_135_DSI DSO PHCNTL_DSO USING(1207,1215) ALLOCATE PRIME ON SP135</p> <p>SIZE 124K, OVERFLOW ON SP135 SIZE 4K;</p> <p>CREATE DSI PHCNTL_136_DSI DSO PHCNTL_DSO USING(1216,1224) ALLOCATE PRIME ON SP136</p> <p>SIZE 124K, OVERFLOW ON SP136 SIZE 4K;</p> <p>CREATE DSI PHCNTL_137_DSI DSO PHCNTL_DSO USING(1225,1233) ALLOCATE PRIME ON SP137</p> <p>SIZE 124K, OVERFLOW ON SP137 SIZE 4K;</p> <p>CREATE DSI PHCNTL_138_DSI DSO PHCNTL_DSO USING(1234,1242) ALLOCATE PRIME ON SP138</p> <p>SIZE 124K, OVERFLOW ON SP138 SIZE 4K;</p> <p>CREATE DSI PHCNTL_139_DSI DSO PHCNTL_DSO USING(1243,1251) ALLOCATE PRIME ON SP139</p> <p>SIZE 124K, OVERFLOW ON SP139 SIZE 4K;</p> <p>CREATE DSI PHCNTL_140_DSI DSO PHCNTL_DSO USING(1252,1260) ALLOCATE PRIME ON SP140</p> <p>SIZE 124K, OVERFLOW ON SP140 SIZE 4K;</p> <p>CREATE DSI PHCNTL_141_DSI DSO PHCNTL_DSO USING(1261,1269) ALLOCATE PRIME ON SP141</p> <p>SIZE 124K, OVERFLOW ON SP141 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_142_DSI DSO PHCNTL_DSO USING(1270,1278) ALLOCATE PRIME ON SP142</p> <p>SIZE 124K, OVERFLOW ON SP142 SIZE 4K;</p> <p>CREATE DSI PHCNTL_143_DSI DSO PHCNTL_DSO USING(1279,1287) ALLOCATE PRIME ON SP143</p> <p>SIZE 124K, OVERFLOW ON SP143 SIZE 4K;</p> <p>CREATE DSI PHCNTL_144_DSI DSO PHCNTL_DSO USING(1288,1296) ALLOCATE PRIME ON SP144</p> <p>SIZE 124K, OVERFLOW ON SP144 SIZE 4K;</p> <p>CREATE DSI PHCNTL_145_DSI DSO PHCNTL_DSO USING(1297,1305) ALLOCATE PRIME ON SP145</p> <p>SIZE 124K, OVERFLOW ON SP145 SIZE 4K;</p> <p>CREATE DSI PHCNTL_146_DSI DSO PHCNTL_DSO USING(1306,1314) ALLOCATE PRIME ON SP146</p> <p>SIZE 124K, OVERFLOW ON SP146 SIZE 4K;</p> <p>CREATE DSI PHCNTL_147_DSI DSO PHCNTL_DSO USING(1315,1323) ALLOCATE PRIME ON SP147</p> <p>SIZE 124K, OVERFLOW ON SP147 SIZE 4K;</p> <p>CREATE DSI PHCNTL_148_DSI DSO PHCNTL_DSO USING(1324,1332) ALLOCATE PRIME ON SP148</p> <p>SIZE 124K, OVERFLOW ON SP148 SIZE 4K;</p> <p>CREATE DSI PHCNTL_149_DSI DSO PHCNTL_DSO USING(1333,1341) ALLOCATE PRIME ON SP149</p> <p>SIZE 124K, OVERFLOW ON SP149 SIZE 4K;</p> <p>CREATE DSI PHCNTL_150_DSI DSO PHCNTL_DSO USING(1342,1350)</p>
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        ALLOCATE PRIME  ON SP150
SIZE 124K,
        OVERFLOW ON SP150 SIZE
4K;

        CREATE DSI PHCNTL_151_DSI
        DSO PHCNTL_DSO
        USING(1351,1359)
        ALLOCATE PRIME  ON SP151
SIZE 124K,
        OVERFLOW ON SP151 SIZE
4K;

        CREATE DSI PHCNTL_152_DSI
        DSO PHCNTL_DSO
        USING(1360,1368)
        ALLOCATE PRIME  ON SP152
SIZE 124K,
        OVERFLOW ON SP152 SIZE
4K;

        CREATE DSI PHCNTL_153_DSI
        DSO PHCNTL_DSO
        USING(1369,1377)
        ALLOCATE PRIME  ON SP153
SIZE 124K,
        OVERFLOW ON SP153 SIZE
4K;

        CREATE DSI PHCNTL_154_DSI
        DSO PHCNTL_DSO
        USING(1378,1386)
        ALLOCATE PRIME  ON SP154
SIZE 124K,
        OVERFLOW ON SP154 SIZE
4K;

        CREATE DSI PHCNTL_155_DSI
        DSO PHCNTL_DSO
        USING(1387,1395)
        ALLOCATE PRIME  ON SP155
SIZE 124K,
        OVERFLOW ON SP155 SIZE
4K;

        CREATE DSI PHCNTL_156_DSI
        DSO PHCNTL_DSO
        USING(1396,1404)
        ALLOCATE PRIME  ON SP156
SIZE 124K,
        OVERFLOW ON SP156 SIZE
4K;

        CREATE DSI PHCNTL_157_DSI
        DSO PHCNTL_DSO
        USING(1405,1413)
        ALLOCATE PRIME  ON SP157
SIZE 124K,
        OVERFLOW ON SP157 SIZE
4K;

        CREATE DSI PHCNTL_158_DSI
        DSO PHCNTL_DSO
        USING(1414,1422)
        ALLOCATE PRIME  ON SP158
SIZE 124K,
        OVERFLOW ON SP158 SIZE
4K;

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        CREATE DSI PHCNTL_159_DSI
        DSO PHCNTL_DSO
        USING(1423,1431)
        ALLOCATE PRIME  ON SP159
SIZE 124K,
        OVERFLOW ON SP159 SIZE
4K;

        CREATE DSI PHCNTL_160_DSI
        DSO PHCNTL_DSO
        USING(1432,1440)
        ALLOCATE PRIME  ON SP160
SIZE 124K,
        OVERFLOW ON SP160 SIZE
4K;

        CREATE DSI PHCNTL_161_DSI
        DSO PHCNTL_DSO
        USING(1441,1449)
        ALLOCATE PRIME  ON SP161
SIZE 124K,
        OVERFLOW ON SP161 SIZE
4K;

        CREATE DSI PHCNTL_162_DSI
        DSO PHCNTL_DSO
        USING(1450,1458)
        ALLOCATE PRIME  ON SP162
SIZE 124K,
        OVERFLOW ON SP162 SIZE
4K;

        CREATE DSI PHCNTL_163_DSI
        DSO PHCNTL_DSO
        USING(1459,1467)
        ALLOCATE PRIME  ON SP163
SIZE 124K,
        OVERFLOW ON SP163 SIZE
4K;

        CREATE DSI PHCNTL_164_DSI
        DSO PHCNTL_DSO
        USING(1468,1476)
        ALLOCATE PRIME  ON SP164
SIZE 124K,
        OVERFLOW ON SP164 SIZE
4K;

        CREATE DSI PHCNTL_165_DSI
        DSO PHCNTL_DSO
        USING(1477,1485)
        ALLOCATE PRIME  ON SP165
SIZE 124K,
        OVERFLOW ON SP165 SIZE
4K;

        CREATE DSI PHCNTL_166_DSI
        DSO PHCNTL_DSO
        USING(1486,1494)
        ALLOCATE PRIME  ON SP166
SIZE 124K,
        OVERFLOW ON SP166 SIZE
4K;

        CREATE DSI PHCNTL_167_DSI
        DSO PHCNTL_DSO
        USING(1495,1503)

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        ALLOCATE PRIME  ON SP167
SIZE 124K,
        OVERFLOW ON SP167 SIZE
4K;

        CREATE DSI PHCNTL_168_DSI
        DSO PHCNTL_DSO
        USING(1504,1512)
        ALLOCATE PRIME  ON SP168
SIZE 124K,
        OVERFLOW ON SP168 SIZE
4K;

        CREATE DSI PHCNTL_169_DSI
        DSO PHCNTL_DSO
        USING(1513,1521)
        ALLOCATE PRIME  ON SP169
SIZE 124K,
        OVERFLOW ON SP169 SIZE
4K;

        CREATE DSI PHCNTL_170_DSI
        DSO PHCNTL_DSO
        USING(1522,1530)
        ALLOCATE PRIME  ON SP170
SIZE 124K,
        OVERFLOW ON SP170 SIZE
4K;

        CREATE DSI PHCNTL_171_DSI
        DSO PHCNTL_DSO
        USING(1531,1539)
        ALLOCATE PRIME  ON SP171
SIZE 124K,
        OVERFLOW ON SP171 SIZE
4K;

        CREATE DSI PHCNTL_172_DSI
        DSO PHCNTL_DSO
        USING(1540,1548)
        ALLOCATE PRIME  ON SP172
SIZE 124K,
        OVERFLOW ON SP172 SIZE
4K;

        CREATE DSI PHCNTL_173_DSI
        DSO PHCNTL_DSO
        USING(1549,1557)
        ALLOCATE PRIME  ON SP173
SIZE 124K,
        OVERFLOW ON SP173 SIZE
4K;

        CREATE DSI PHCNTL_174_DSI
        DSO PHCNTL_DSO
        USING(1558,1566)
        ALLOCATE PRIME  ON SP174
SIZE 124K,
        OVERFLOW ON SP174 SIZE
4K;

        CREATE DSI PHCNTL_175_DSI
        DSO PHCNTL_DSO
        USING(1567,1575)
        ALLOCATE PRIME  ON SP175
SIZE 124K,
        OVERFLOW ON SP175 SIZE
4K;

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<p>CREATE DSI PHCNTL_176_DSI DSO PHCNTL_DSO USING(1576,1584) ALLOCATE PRIME ON SP176</p> <p>SIZE 124K, OVERFLOW ON SP176 SIZE 4K;</p>	<p>ALLOCATE PRIME ON SP184</p> <p>SIZE 124K, OVERFLOW ON SP184 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_193_DSI DSO PHCNTL_DSO USING(1729,1737) ALLOCATE PRIME ON SP193</p> <p>SIZE 124K, OVERFLOW ON SP193 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_177_DSI DSO PHCNTL_DSO USING(1585,1593) ALLOCATE PRIME ON SP177</p> <p>SIZE 124K, OVERFLOW ON SP177 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_185_DSI DSO PHCNTL_DSO USING(1657,1665) ALLOCATE PRIME ON SP185</p> <p>SIZE 124K, OVERFLOW ON SP185 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_194_DSI DSO PHCNTL_DSO USING(1738,1746) ALLOCATE PRIME ON SP194</p> <p>SIZE 124K, OVERFLOW ON SP194 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_178_DSI DSO PHCNTL_DSO USING(1594,1602) ALLOCATE PRIME ON SP178</p> <p>SIZE 124K, OVERFLOW ON SP178 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_186_DSI DSO PHCNTL_DSO USING(1666,1674) ALLOCATE PRIME ON SP186</p> <p>SIZE 124K, OVERFLOW ON SP186 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_195_DSI DSO PHCNTL_DSO USING(1747,1755) ALLOCATE PRIME ON SP195</p> <p>SIZE 124K, OVERFLOW ON SP195 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_179_DSI DSO PHCNTL_DSO USING(1603,1611) ALLOCATE PRIME ON SP179</p> <p>SIZE 124K, OVERFLOW ON SP179 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_187_DSI DSO PHCNTL_DSO USING(1675,1683) ALLOCATE PRIME ON SP187</p> <p>SIZE 124K, OVERFLOW ON SP187 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_196_DSI DSO PHCNTL_DSO USING(1756,1764) ALLOCATE PRIME ON SP196</p> <p>SIZE 124K, OVERFLOW ON SP196 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_180_DSI DSO PHCNTL_DSO USING(1612,1620) ALLOCATE PRIME ON SP180</p> <p>SIZE 124K, OVERFLOW ON SP180 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_188_DSI DSO PHCNTL_DSO USING(1684,1692) ALLOCATE PRIME ON SP188</p> <p>SIZE 124K, OVERFLOW ON SP188 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_197_DSI DSO PHCNTL_DSO USING(1765,1773) ALLOCATE PRIME ON SP197</p> <p>SIZE 124K, OVERFLOW ON SP197 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_181_DSI DSO PHCNTL_DSO USING(1621,1629) ALLOCATE PRIME ON SP181</p> <p>SIZE 124K, OVERFLOW ON SP181 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_189_DSI DSO PHCNTL_DSO USING(1693,1701) ALLOCATE PRIME ON SP189</p> <p>SIZE 124K, OVERFLOW ON SP189 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_198_DSI DSO PHCNTL_DSO USING(1774,1782) ALLOCATE PRIME ON SP198</p> <p>SIZE 124K, OVERFLOW ON SP198 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_182_DSI DSO PHCNTL_DSO USING(1630,1638) ALLOCATE PRIME ON SP182</p> <p>SIZE 124K, OVERFLOW ON SP182 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_190_DSI DSO PHCNTL_DSO USING(1702,1710) ALLOCATE PRIME ON SP190</p> <p>SIZE 124K, OVERFLOW ON SP190 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_199_DSI DSO PHCNTL_DSO USING(1783,1791) ALLOCATE PRIME ON SP199</p> <p>SIZE 124K, OVERFLOW ON SP199 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_183_DSI DSO PHCNTL_DSO USING(1639,1647) ALLOCATE PRIME ON SP183</p> <p>SIZE 124K, OVERFLOW ON SP183 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_191_DSI DSO PHCNTL_DSO USING(1711,1719) ALLOCATE PRIME ON SP191</p> <p>SIZE 124K, OVERFLOW ON SP191 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_200_DSI DSO PHCNTL_DSO USING(1792,1800) ALLOCATE PRIME ON SP200</p> <p>SIZE 124K, OVERFLOW ON SP200 SIZE 4K;</p>
<p>CREATE DSI PHCNTL_184_DSI DSO PHCNTL_DSO USING(1648,1656)</p>	<p>CREATE DSI PHCNTL_192_DSI DSO PHCNTL_DSO USING(1720,1728) ALLOCATE PRIME ON SP192</p> <p>SIZE 124K, OVERFLOW ON SP192 SIZE 4K;</p>	<p>CREATE DSI PHCNTL_201_DSI DSO PHCNTL_DSO USING(1801,1809)</p>

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        ALLOCATE PRIME  ON SP201
SIZE 124K,
        OVERFLOW ON SP201 SIZE
4K;

        CREATE DSI PHCNTL_202_DSI
        DSO PHCNTL_DSO
        USING(1810,1818)
        ALLOCATE PRIME  ON SP202
SIZE 124K,
        OVERFLOW ON SP202 SIZE
4K;

        CREATE DSI PHCNTL_203_DSI
        DSO PHCNTL_DSO
        USING(1819,1827)
        ALLOCATE PRIME  ON SP203
SIZE 124K,
        OVERFLOW ON SP203 SIZE
4K;

        CREATE DSI PHCNTL_204_DSI
        DSO PHCNTL_DSO
        USING(1828,1836)
        ALLOCATE PRIME  ON SP204
SIZE 124K,
        OVERFLOW ON SP204 SIZE
4K;

        CREATE DSI PHCNTL_205_DSI
        DSO PHCNTL_DSO
        USING(1837,1845)
        ALLOCATE PRIME  ON SP205
SIZE 124K,
        OVERFLOW ON SP205 SIZE
4K;

        CREATE DSI PHCNTL_206_DSI
        DSO PHCNTL_DSO
        USING(1846,1854)
        ALLOCATE PRIME  ON SP206
SIZE 124K,
        OVERFLOW ON SP206 SIZE
4K;

        CREATE DSI PHCNTL_207_DSI
        DSO PHCNTL_DSO
        USING(1855,1863)
        ALLOCATE PRIME  ON SP207
SIZE 124K,
        OVERFLOW ON SP207 SIZE
4K;

        CREATE DSI PHCNTL_208_DSI
        DSO PHCNTL_DSO
        USING(1864,1872)
        ALLOCATE PRIME  ON SP208
SIZE 124K,
        OVERFLOW ON SP208 SIZE
4K;

        CREATE DSI PHCNTL_209_DSI
        DSO PHCNTL_DSO
        USING(1873,1881)
        ALLOCATE PRIME  ON SP209
SIZE 124K,
        OVERFLOW ON SP209 SIZE
4K;

```

```

        CREATE DSI PHCNTL_210_DSI
        DSO PHCNTL_DSO
        USING(1882,1890)
        ALLOCATE PRIME  ON SP210
SIZE 124K,
        OVERFLOW ON SP210 SIZE
4K;

        CREATE DSI PHCNTL_211_DSI
        DSO PHCNTL_DSO
        USING(1891,1899)
        ALLOCATE PRIME  ON SP211
SIZE 124K,
        OVERFLOW ON SP211 SIZE
4K;

        CREATE DSI PHCNTL_212_DSI
        DSO PHCNTL_DSO
        USING(1900,1908)
        ALLOCATE PRIME  ON SP212
SIZE 124K,
        OVERFLOW ON SP212 SIZE
4K;

        CREATE DSI PHCNTL_213_DSI
        DSO PHCNTL_DSO
        USING(1909,1917)
        ALLOCATE PRIME  ON SP213
SIZE 124K,
        OVERFLOW ON SP213 SIZE
4K;

        CREATE DSI PHCNTL_214_DSI
        DSO PHCNTL_DSO
        USING(1918,1926)
        ALLOCATE PRIME  ON SP214
SIZE 124K,
        OVERFLOW ON SP214 SIZE
4K;

        CREATE DSI PHCNTL_215_DSI
        DSO PHCNTL_DSO
        USING(1927,1935)
        ALLOCATE PRIME  ON SP215
SIZE 124K,
        OVERFLOW ON SP215 SIZE
4K;

        CREATE DSI PHCNTL_216_DSI
        DSO PHCNTL_DSO
        USING(1936,1944)
        ALLOCATE PRIME  ON SP216
SIZE 124K,
        OVERFLOW ON SP216 SIZE
4K;

        CREATE DSI PHCNTL_217_DSI
        DSO PHCNTL_DSO
        USING(1945,1953)
        ALLOCATE PRIME  ON SP217
SIZE 124K,
        OVERFLOW ON SP217 SIZE
4K;

```

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-----
        CREATE DSO NEWORDER_DSO
        FROM TPCC_SCHEMA.NEWORDER
        TYPE
        RANDOM(PAGESIZE1(8),PAGESIZE2(1),RULE((
        NO_O_ID/8)*18+NO_W_ID+((NO_D_ID-
        1)*10+(NO_O_ID-((NO_O_ID/8)*8))*2934))
        WHERE (NO_W_ID)
        BETWEEN (?) AND (?);

        CREATE DSI NEWORDER_1_DSI
        DSO NEWORDER_DSO
        USING(1,18)
        ALLOCATE PRIME  ON SP1 SIZE
13424K
        SP2
SIZE 10056K,
        OVERFLOW ON SP1 SIZE
470K
        SP2
SIZE 351K;

        CREATE DSI NEWORDER_2_DSI
        DSO NEWORDER_DSO
        USING(19,36)
        ALLOCATE PRIME  ON SP2 SIZE
3360K
        SP3
SIZE 13416K
        SP4
SIZE 6704K,
        OVERFLOW ON SP2 SIZE
118K
        SP3
SIZE 469K
        SP4
SIZE 234K;

        CREATE DSI NEWORDER_3_DSI
        DSO NEWORDER_DSO
        USING(37,54)
        ALLOCATE PRIME  ON SP4 SIZE
6712K
        SP5
SIZE 13416K
        SP6
SIZE 3352K,
        OVERFLOW ON SP4 SIZE
235K
        SP5
SIZE 469K
        SP6
SIZE 117K;

        CREATE DSI NEWORDER_4_DSI
        DSO NEWORDER_DSO
        USING(55,72)
        ALLOCATE PRIME  ON SP6 SIZE
10064K
        SP7
SIZE 13416K,
        OVERFLOW ON SP6 SIZE
352K
        SP7
SIZE 469K;

        CREATE DSI NEWORDER_5_DSI

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-- \* Phase.2-6a: NewOrder

DSO NEWORDER_DSO USING(73,90) ALLOCATE PRIME ON SP8 SIZE	DSO NEWORDER_DSO USING(163,180) ALLOCATE PRIME ON SP16 SIZE	SP25 SIZE 234K;
13424K	3360K	CREATE DSI NEWORDER_15_DSI DSO NEWORDER_DSO USING(253,270) ALLOCATE PRIME ON SP25 SIZE
SIZE 10056K, OVERFLOW ON SP8 SIZE	SIZE 13416K	6712K
470K	SIZE 6704K, OVERFLOW ON SP16 SIZE	SIZE 13416K
SIZE 351K;	118K	SIZE 3352K, OVERFLOW ON SP25 SIZE
CREATE DSI NEWORDER_6_DSI DSO NEWORDER_DSO USING(91,108) ALLOCATE PRIME ON SP9 SIZE	SIZE 469K	235K
3360K	SIZE 234K;	SIZE 469K
SIZE 13416K	CREATE DSI NEWORDER_11_DSI DSO NEWORDER_DSO USING(181,198) ALLOCATE PRIME ON SP18 SIZE	SIZE 117K;
SIZE 6704K, OVERFLOW ON SP9 SIZE	6712K	CREATE DSI NEWORDER_16_DSI DSO NEWORDER_DSO USING(271,288) ALLOCATE PRIME ON SP27 SIZE
118K	SIZE 13416K	10064K
SIZE 469K	SIZE 3352K, OVERFLOW ON SP18 SIZE	SIZE 13416K, OVERFLOW ON SP27 SIZE
SIZE 234K;	235K	352K
CREATE DSI NEWORDER_7_DSI DSO NEWORDER_DSO USING(109,126) ALLOCATE PRIME ON SP11 SIZE	SIZE 469K	SIZE 469K;
6712K	SIZE 117K;	CREATE DSI NEWORDER_17_DSI DSO NEWORDER_DSO USING(289,306) ALLOCATE PRIME ON SP29 SIZE
SIZE 13416K	CREATE DSI NEWORDER_12_DSI DSO NEWORDER_DSO USING(199,216) ALLOCATE PRIME ON SP20 SIZE	13424K
SIZE 3352K, OVERFLOW ON SP11 SIZE	10064K	SIZE 10056K, OVERFLOW ON SP29 SIZE
235K	SIZE 13416K, OVERFLOW ON SP20 SIZE	470K
SIZE 469K	352K	SIZE 351K;
SIZE 117K;	SIZE 469K;	CREATE DSI NEWORDER_18_DSI DSO NEWORDER_DSO USING(307,324) ALLOCATE PRIME ON SP30 SIZE
CREATE DSI NEWORDER_8_DSI DSO NEWORDER_DSO USING(127,144) ALLOCATE PRIME ON SP13 SIZE	13424K	3360K
10064K	SIZE 10056K, OVERFLOW ON SP22 SIZE	SIZE 13416K
SIZE 13416K, OVERFLOW ON SP13 SIZE	470K	SIZE 6704K, OVERFLOW ON SP30 SIZE
352K	SIZE 351K;	118K
SIZE 469K;	CREATE DSI NEWORDER_13_DSI DSO NEWORDER_DSO USING(217,234) ALLOCATE PRIME ON SP22 SIZE	SIZE 469K
CREATE DSI NEWORDER_9_DSI DSO NEWORDER_DSO USING(145,162) ALLOCATE PRIME ON SP15 SIZE	13424K	SIZE 234K;
13424K	SIZE 10056K, OVERFLOW ON SP22 SIZE	CREATE DSI NEWORDER_19_DSI DSO NEWORDER_DSO USING(325,342) ALLOCATE PRIME ON SP32 SIZE
SIZE 10056K, OVERFLOW ON SP15 SIZE	470K	6712K
470K	SIZE 351K;	SIZE 13416K
SIZE 351K;	CREATE DSI NEWORDER_14_DSI DSO NEWORDER_DSO USING(235,252) ALLOCATE PRIME ON SP23 SIZE	SIZE 3352K,
CREATE DSI NEWORDER_10_DSI	3360K	
	SIZE 13416K	
	SIZE 6704K, OVERFLOW ON SP23 SIZE	
	118K	
	SIZE 469K	

235K	OVERFLOW ON SP32 SIZE	SP42	SIZE 10056K,	SP51
SIZE 469K	SP33	OVERFLOW ON SP41 SIZE	470K	OVERFLOW ON SP50 SIZE
SIZE 117K;	SP34	SP42	SIZE 351K;	SP51
CREATE DSI NEWORDER_20_DSI		CREATE DSI NEWORDER_25_DSI		CREATE DSI NEWORDER_30_DSI
DSO NEWORDER_DSO		DSO NEWORDER_DSO		DSO NEWORDER_DSO
USING(343,360)		USING(433,450)		USING(523,540)
ALLOCATE PRIME ON SP34 SIZE		ALLOCATE PRIME ON SP43 SIZE		ALLOCATE PRIME ON SP51 SIZE
10064K	SP35	13424K	SP44	3360K
SIZE 13416K,	OVERFLOW ON SP34 SIZE	SIZE 10056K,	OVERFLOW ON SP43 SIZE	SIZE 13416K
352K	SP35	470K	SP44	SIZE 6704K,
SIZE 469K;		SIZE 351K;		118K
CREATE DSI NEWORDER_21_DSI		CREATE DSI NEWORDER_26_DSI		SIZE 469K
DSO NEWORDER_DSO		DSO NEWORDER_DSO		SIZE 234K;
USING(361,378)		USING(451,468)		CREATE DSI NEWORDER_31_DSI
ALLOCATE PRIME ON SP36 SIZE		ALLOCATE PRIME ON SP44 SIZE		DSO NEWORDER_DSO
13424K	SP37	3360K	SP45	USING(541,558)
SIZE 10056K,	OVERFLOW ON SP36 SIZE	SIZE 13416K	SP46	ALLOCATE PRIME ON SP53 SIZE
470K	SP37	SIZE 6704K,	OVERFLOW ON SP44 SIZE	6712K
SIZE 351K;		118K	SP45	SIZE 13416K
CREATE DSI NEWORDER_22_DSI		SIZE 469K	SP46	SIZE 3352K,
DSO NEWORDER_DSO		SIZE 234K;		235K
USING(379,396)		CREATE DSI NEWORDER_27_DSI		SIZE 469K
ALLOCATE PRIME ON SP37 SIZE		DSO NEWORDER_DSO		SIZE 117K;
3360K	SP38	USING(469,486)		CREATE DSI NEWORDER_32_DSI
SIZE 13416K	SP39	ALLOCATE PRIME ON SP46 SIZE		DSO NEWORDER_DSO
SIZE 6704K,	OVERFLOW ON SP37 SIZE	6712K	SP47	USING(559,576)
118K	SP38	SIZE 13416K	SP48	ALLOCATE PRIME ON SP55 SIZE
SIZE 469K	SP39	SIZE 3352K,	OVERFLOW ON SP46 SIZE	10064K
SIZE 234K;		235K	SP47	SIZE 13416K,
CREATE DSI NEWORDER_23_DSI		SIZE 469K	SP48	SIZE 13416K,
DSO NEWORDER_DSO		SIZE 117K;		352K
USING(397,414)		CREATE DSI NEWORDER_28_DSI		SIZE 469K;
ALLOCATE PRIME ON SP39 SIZE		DSO NEWORDER_DSO		CREATE DSI NEWORDER_33_DSI
6712K	SP40	USING(487,504)		DSO NEWORDER_DSO
SIZE 13416K	SP41	ALLOCATE PRIME ON SP48 SIZE		USING(577,594)
SIZE 3352K,	OVERFLOW ON SP39 SIZE	10064K	SP49	ALLOCATE PRIME ON SP57 SIZE
235K	SP40	SIZE 13416K,	OVERFLOW ON SP48 SIZE	13424K
SIZE 469K	SP41	352K	SP49	SIZE 10056K,
SIZE 117K;		SIZE 469K;		470K
CREATE DSI NEWORDER_24_DSI		CREATE DSI NEWORDER_29_DSI		SIZE 351K;
DSO NEWORDER_DSO		DSO NEWORDER_DSO		CREATE DSI NEWORDER_34_DSI
USING(415,432)		USING(505,522)		DSO NEWORDER_DSO
ALLOCATE PRIME ON SP41 SIZE		ALLOCATE PRIME ON SP50 SIZE		USING(595,612)
10064K		13424K		ALLOCATE PRIME ON SP58 SIZE

SIZE 13416K	SP59	DSO NEWORDER_DSO USING(685,702)	SP76
SIZE 6704K,	SP60	ALLOCATE PRIME ON SP67 SIZE	SIZE 117K;
118K	OVERFLOW ON SP58 SIZE	6712K	CREATE DSI NEWORDER_44_DSI DSO NEWORDER_DSO USING(775,792)
SIZE 469K	SP59	SIZE 13416K	ALLOCATE PRIME ON SP76 SIZE
SIZE 234K;	SP60	SIZE 3352K,	10064K
CREATE DSI NEWORDER_35_DSI DSO NEWORDER_DSO USING(613,630)		OVERFLOW ON SP67 SIZE	SP77
6712K		235K	SIZE 13416K,
SIZE 13416K	SP61	SIZE 469K	OVERFLOW ON SP76 SIZE
SIZE 3352K,	SP62	SIZE 117K;	352K
OVERFLOW ON SP60 SIZE		CREATE DSI NEWORDER_40_DSI DSO NEWORDER_DSO USING(703,720)	SIZE 469K;
235K	SP61	ALLOCATE PRIME ON SP69 SIZE	CREATE DSI NEWORDER_45_DSI DSO NEWORDER_DSO USING(793,810)
SIZE 469K	SP62	10064K	ALLOCATE PRIME ON SP78 SIZE
SIZE 117K;		SIZE 13416K,	13424K
CREATE DSI NEWORDER_36_DSI DSO NEWORDER_DSO USING(631,648)		OVERFLOW ON SP69 SIZE	SIZE 10056K,
10064K	SP63	352K	OVERFLOW ON SP78 SIZE
SIZE 13416K,		SIZE 469K;	470K
OVERFLOW ON SP62 SIZE		CREATE DSI NEWORDER_41_DSI DSO NEWORDER_DSO USING(721,738)	SIZE 351K;
352K	SP63	ALLOCATE PRIME ON SP71 SIZE	CREATE DSI NEWORDER_46_DSI DSO NEWORDER_DSO USING(811,828)
SIZE 469K;		13424K	ALLOCATE PRIME ON SP79 SIZE
CREATE DSI NEWORDER_37_DSI DSO NEWORDER_DSO USING(649,666)		SIZE 10056K,	3360K
13424K	SP65	OVERFLOW ON SP71 SIZE	SIZE 13416K
SIZE 10056K,		470K	SIZE 6704K,
OVERFLOW ON SP64 SIZE		SIZE 351K;	OVERFLOW ON SP79 SIZE
470K	SP65	CREATE DSI NEWORDER_42_DSI DSO NEWORDER_DSO USING(739,756)	118K
SIZE 351K;		ALLOCATE PRIME ON SP72 SIZE	SIZE 469K
CREATE DSI NEWORDER_38_DSI DSO NEWORDER_DSO USING(667,684)		3360K	SIZE 234K;
3360K	SP66	SIZE 13416K	CREATE DSI NEWORDER_47_DSI DSO NEWORDER_DSO USING(829,846)
SIZE 13416K	SP67	SIZE 6704K,	ALLOCATE PRIME ON SP81 SIZE
SIZE 6704K,		OVERFLOW ON SP72 SIZE	6712K
118K	SP66	118K	SIZE 13416K
SIZE 469K	SP67	SIZE 469K	SIZE 3352K,
SIZE 234K;		SIZE 234K;	OVERFLOW ON SP81 SIZE
CREATE DSI NEWORDER_39_DSI		CREATE DSI NEWORDER_43_DSI DSO NEWORDER_DSO USING(757,774)	235K
	SP66	ALLOCATE PRIME ON SP74 SIZE	SIZE 469K
	SP67	6712K	SIZE 469K
		SIZE 13416K	SIZE 117K;
	SP66	SIZE 3352K,	CREATE DSI NEWORDER_48_DSI DSO NEWORDER_DSO USING(847,864)
	SP67	OVERFLOW ON SP74 SIZE	ALLOCATE PRIME ON SP83 SIZE
		235K	10064K
		SIZE 469K	SIZE 13416K,
		SIZE 469K	OVERFLOW ON SP83 SIZE
			352K

SIZE 469K;	SP84	SIZE 351K;	SP93	118K	OVERFLOW ON SP100 SIZE
CREATE DSI NEWORDER_49_DSI DSO NEWORDER_DSO USING(865,882) ALLOCATE PRIME ON SP85 SIZE		CREATE DSI NEWORDER_54_DSI DSO NEWORDER_DSO USING(955,972) ALLOCATE PRIME ON SP93 SIZE		SIZE 469K	SP101
13424K		3360K	SP94	SIZE 234K;	SP102
SIZE 10056K,	SP86	SIZE 13416K		CREATE DSI NEWORDER_59_DSI DSO NEWORDER_DSO USING(1045,1062) ALLOCATE PRIME ON SP102	
470K	OVERFLOW ON SP85 SIZE	SIZE 6704K,	SP95	SIZE 6712K	
SIZE 351K;	SP86	118K	OVERFLOW ON SP93 SIZE	SIZE 13416K	SP103
CREATE DSI NEWORDER_50_DSI DSO NEWORDER_DSO USING(883,900) ALLOCATE PRIME ON SP86 SIZE		SIZE 469K	SP94	SIZE 3352K,	SP104
3360K		SIZE 234K;	SP95	235K	OVERFLOW ON SP102 SIZE
SIZE 13416K	SP87	CREATE DSI NEWORDER_55_DSI DSO NEWORDER_DSO USING(973,990) ALLOCATE PRIME ON SP95 SIZE		SIZE 469K	SP103
SIZE 6704K,	SP88	6712K		SIZE 117K;	SP104
118K	OVERFLOW ON SP86 SIZE	SIZE 13416K	SP96	CREATE DSI NEWORDER_60_DSI DSO NEWORDER_DSO USING(1063,1080) ALLOCATE PRIME ON SP104	
SIZE 469K	SP87	SIZE 3352K,	SP97	SIZE 10064K	SP105
SIZE 234K;	SP88	235K	OVERFLOW ON SP95 SIZE	SIZE 13416K,	OVERFLOW ON SP104 SIZE
CREATE DSI NEWORDER_51_DSI DSO NEWORDER_DSO USING(901,918) ALLOCATE PRIME ON SP88 SIZE		SIZE 469K	SP96	352K	SP105
6712K		SIZE 117K;	SP97	SIZE 469K;	
SIZE 13416K	SP89	CREATE DSI NEWORDER_56_DSI DSO NEWORDER_DSO USING(991,1008) ALLOCATE PRIME ON SP97 SIZE		CREATE DSI NEWORDER_61_DSI DSO NEWORDER_DSO USING(1081,1098) ALLOCATE PRIME ON SP106	
SIZE 3352K,	SP90	10064K		SIZE 13424K	SP107
235K	OVERFLOW ON SP88 SIZE	SIZE 13416K,	SP98	SIZE 10056K,	OVERFLOW ON SP106 SIZE
SIZE 469K	SP89	352K	OVERFLOW ON SP97 SIZE	470K	
SIZE 117K;	SP90	SIZE 469K;	SP98	SIZE 351K;	SP107
CREATE DSI NEWORDER_52_DSI DSO NEWORDER_DSO USING(919,936) ALLOCATE PRIME ON SP90 SIZE		CREATE DSI NEWORDER_57_DSI DSO NEWORDER_DSO USING(1009,1026) ALLOCATE PRIME ON SP99 SIZE		CREATE DSI NEWORDER_62_DSI DSO NEWORDER_DSO USING(1099,1116) ALLOCATE PRIME ON SP107	
10064K		13424K		SIZE 3360K	SP108
SIZE 13416K,	SP91	SIZE 10056K,	SP100	SIZE 13416K	SP109
352K	OVERFLOW ON SP90 SIZE	470K	OVERFLOW ON SP99 SIZE	SIZE 6704K,	OVERFLOW ON SP107 SIZE
SIZE 469K;	SP91	SIZE 351K;	SP100	118K	
CREATE DSI NEWORDER_53_DSI DSO NEWORDER_DSO USING(937,954) ALLOCATE PRIME ON SP92 SIZE		CREATE DSI NEWORDER_58_DSI DSO NEWORDER_DSO USING(1027,1044) ALLOCATE PRIME ON SP100		SIZE 469K	SP108
13424K		SIZE 3360K		SIZE 234K;	SP109
SIZE 10056K,	SP93	SIZE 13416K	SP101	CREATE DSI NEWORDER_63_DSI DSO NEWORDER_DSO USING(1117,1134) ALLOCATE PRIME ON SP109	
470K	OVERFLOW ON SP92 SIZE	SIZE 6704K,	SP102	SIZE 6712K	



SIZE 13416K	SP110	DSO NEWORDER_DSO USING(1207,1224) ALLOCATE PRIME ON SP118	DSO NEWORDER_DSO USING(1297,1314) ALLOCATE PRIME ON SP127
SIZE 3352K, OVERFLOW ON SP109 SIZE	SP111	SIZE 10064K	SIZE 13424K
235K		SIZE 13416K, OVERFLOW ON SP118 SIZE	SIZE 10056K, OVERFLOW ON SP127 SIZE
SIZE 469K	SP110	352K	470K
SIZE 117K;	SP111	SIZE 469K;	SIZE 351K;
CREATE DSI NEWORDER_64_DSI DSO NEWORDER_DSO USING(1135,1152) ALLOCATE PRIME ON SP111		CREATE DSI NEWORDER_69_DSI DSO NEWORDER_DSO USING(1225,1242) ALLOCATE PRIME ON SP120	CREATE DSI NEWORDER_74_DSI DSO NEWORDER_DSO USING(1315,1332) ALLOCATE PRIME ON SP128
SIZE 10064K	SP112	SIZE 13424K	SIZE 3360K
SIZE 13416K, OVERFLOW ON SP111 SIZE		SIZE 10056K, OVERFLOW ON SP120 SIZE	SIZE 13416K
352K	SP112	470K	SIZE 6704K, OVERFLOW ON SP128 SIZE
SIZE 469K;		SIZE 351K;	118K
CREATE DSI NEWORDER_65_DSI DSO NEWORDER_DSO USING(1153,1170) ALLOCATE PRIME ON SP113		CREATE DSI NEWORDER_70_DSI DSO NEWORDER_DSO USING(1243,1260) ALLOCATE PRIME ON SP121	SIZE 469K
SIZE 13424K	SP114	SIZE 3360K	SIZE 234K;
SIZE 10056K, OVERFLOW ON SP113 SIZE		SIZE 13416K	CREATE DSI NEWORDER_75_DSI DSO NEWORDER_DSO USING(1333,1350) ALLOCATE PRIME ON SP130
470K	SP114	SIZE 6704K, OVERFLOW ON SP121 SIZE	SIZE 6712K
SIZE 351K;		118K	SIZE 13416K
CREATE DSI NEWORDER_66_DSI DSO NEWORDER_DSO USING(1171,1188) ALLOCATE PRIME ON SP114		SIZE 469K	SIZE 3352K, OVERFLOW ON SP130 SIZE
SIZE 3360K	SP115	SIZE 234K;	235K
SIZE 13416K	SP116	CREATE DSI NEWORDER_71_DSI DSO NEWORDER_DSO USING(1261,1278) ALLOCATE PRIME ON SP123	SIZE 469K
SIZE 6704K, OVERFLOW ON SP114 SIZE		SIZE 6712K	SIZE 117K;
118K	SP115	SIZE 13416K	CREATE DSI NEWORDER_76_DSI DSO NEWORDER_DSO USING(1351,1368) ALLOCATE PRIME ON SP132
SIZE 469K	SP116	SIZE 3352K, OVERFLOW ON SP123 SIZE	SIZE 10064K
SIZE 234K;		235K	SIZE 13416K, OVERFLOW ON SP132 SIZE
CREATE DSI NEWORDER_67_DSI DSO NEWORDER_DSO USING(1189,1206) ALLOCATE PRIME ON SP116		SIZE 469K	352K
SIZE 6712K	SP117	SIZE 117K;	SIZE 469K;
SIZE 13416K	SP118	CREATE DSI NEWORDER_72_DSI DSO NEWORDER_DSO USING(1279,1296) ALLOCATE PRIME ON SP125	CREATE DSI NEWORDER_77_DSI DSO NEWORDER_DSO USING(1369,1386) ALLOCATE PRIME ON SP134
SIZE 3352K, OVERFLOW ON SP116 SIZE		SIZE 10064K	SIZE 13424K
235K	SP117	SIZE 13416K, OVERFLOW ON SP125 SIZE	SIZE 10056K, OVERFLOW ON SP134 SIZE
SIZE 469K	SP118	352K	470K
SIZE 117K;		SIZE 469K;	SIZE 351K;
CREATE DSI NEWORDER_68_DSI		CREATE DSI NEWORDER_73_DSI	CREATE DSI NEWORDER_78_DSI

DSO NEWORDER_DSO USING(1387,1404) ALLOCATE PRIME ON SP135	SP144	OVERFLOW ON SP151 SIZE
SIZE 3360K	SIZE 234K;	235K
SIZE 13416K	CREATE DSI NEWORDER_83_DSI DSO NEWORDER_DSO USING(1477,1494) ALLOCATE PRIME ON SP144	SIZE 469K
SIZE 6704K, OVERFLOW ON SP135 SIZE	SIZE 6712K	SIZE 117K;
118K	SIZE 13416K	CREATE DSI NEWORDER_88_DSI DSO NEWORDER_DSO USING(1567,1584) ALLOCATE PRIME ON SP153
SIZE 469K	SIZE 3352K,	SIZE 10064K
SIZE 234K;	OVERFLOW ON SP144 SIZE	SIZE 13416K,
CREATE DSI NEWORDER_79_DSI DSO NEWORDER_DSO USING(1405,1422) ALLOCATE PRIME ON SP137	235K	OVERFLOW ON SP153 SIZE
SIZE 6712K	SIZE 469K	352K
SIZE 13416K	SIZE 117K;	SIZE 469K;
SIZE 3352K, OVERFLOW ON SP137 SIZE	CREATE DSI NEWORDER_84_DSI DSO NEWORDER_DSO USING(1495,1512) ALLOCATE PRIME ON SP146	CREATE DSI NEWORDER_89_DSI DSO NEWORDER_DSO USING(1585,1602) ALLOCATE PRIME ON SP155
235K	SIZE 10064K	SIZE 13424K
SIZE 469K	SIZE 13416K,	SIZE 10056K,
SIZE 117K;	OVERFLOW ON SP146 SIZE	470K
CREATE DSI NEWORDER_80_DSI DSO NEWORDER_DSO USING(1423,1440) ALLOCATE PRIME ON SP139	352K	OVERFLOW ON SP155 SIZE
SIZE 10064K	SIZE 469K;	SIZE 351K;
SIZE 13416K, OVERFLOW ON SP139 SIZE	CREATE DSI NEWORDER_85_DSI DSO NEWORDER_DSO USING(1513,1530) ALLOCATE PRIME ON SP148	CREATE DSI NEWORDER_90_DSI DSO NEWORDER_DSO USING(1603,1620) ALLOCATE PRIME ON SP156
352K	SIZE 13424K	SIZE 3360K
SIZE 469K;	SIZE 10056K,	SIZE 13416K
CREATE DSI NEWORDER_81_DSI DSO NEWORDER_DSO USING(1441,1458) ALLOCATE PRIME ON SP141	470K	SIZE 6704K, OVERFLOW ON SP156 SIZE
SIZE 13424K	SIZE 351K;	118K
SIZE 10056K, OVERFLOW ON SP141 SIZE	CREATE DSI NEWORDER_86_DSI DSO NEWORDER_DSO USING(1531,1548) ALLOCATE PRIME ON SP149	SIZE 469K
470K	SIZE 3360K	SIZE 234K;
SIZE 351K;	SIZE 13416K	CREATE DSI NEWORDER_91_DSI DSO NEWORDER_DSO USING(1621,1638) ALLOCATE PRIME ON SP158
CREATE DSI NEWORDER_82_DSI DSO NEWORDER_DSO USING(1459,1476) ALLOCATE PRIME ON SP142	SIZE 6704K, OVERFLOW ON SP149 SIZE	SIZE 6712K
SIZE 3360K	118K	SIZE 13416K
SIZE 13416K	SIZE 469K	SIZE 3352K,
SIZE 6704K, OVERFLOW ON SP142 SIZE	SIZE 234K;	235K
118K	CREATE DSI NEWORDER_87_DSI DSO NEWORDER_DSO USING(1549,1566) ALLOCATE PRIME ON SP151	SIZE 469K
SIZE 469K	SIZE 6712K	SIZE 117K;
SIZE 234K;	SIZE 13416K	CREATE DSI NEWORDER_92_DSI DSO NEWORDER_DSO USING(1639,1656) ALLOCATE PRIME ON SP160
CREATE DSI NEWORDER_82_DSI DSO NEWORDER_DSO USING(1459,1476) ALLOCATE PRIME ON SP142	SIZE 3352K,	SIZE 10064K
SIZE 3360K		
SIZE 13416K		
SIZE 6704K, OVERFLOW ON SP142 SIZE		
118K		
SIZE 469K		

SIZE 13416K, 352K OVERFLOW ON SP160 SIZE	SP161	SIZE 10056K, 470K OVERFLOW ON SP169 SIZE	SP170	SIZE 13416K	SP178
SIZE 469K;  CREATE DSI NEWORDER_93_DSI DSO NEWORDER_DSO USING(1657,1674) ALLOCATE PRIME ON SP162	SP161	SIZE 351K;  CREATE DSI NEWORDER_98_DSI DSO NEWORDER_DSO USING(1747,1764) ALLOCATE PRIME ON SP170	SP170	SIZE 6704K, 118K OVERFLOW ON SP177 SIZE	SP179
SIZE 13424K		SIZE 3360K		SIZE 469K	SP178
SIZE 10056K, 470K OVERFLOW ON SP162 SIZE	SP163	SIZE 13416K	SP171	SIZE 234K;  CREATE DSI NEWORDER_103_DSI DSO NEWORDER_DSO USING(1837,1854) ALLOCATE PRIME ON SP179	SP179
SIZE 351K;	SP163	SIZE 6704K, 118K OVERFLOW ON SP170 SIZE	SP172	SIZE 6712K	SP180
 CREATE DSI NEWORDER_94_DSI DSO NEWORDER_DSO USING(1675,1692) ALLOCATE PRIME ON SP163		SIZE 469K	SP171	SIZE 13416K	SP181
SIZE 3360K	SP164	SIZE 234K;  CREATE DSI NEWORDER_99_DSI DSO NEWORDER_DSO USING(1765,1782) ALLOCATE PRIME ON SP172	SP172	SIZE 3352K, 235K OVERFLOW ON SP179 SIZE	SP180
SIZE 13416K	SP165	SIZE 6712K	SP173	SIZE 469K	SP181
SIZE 6704K, 118K OVERFLOW ON SP163 SIZE	SP164	SIZE 13416K	SP174	SIZE 117K;  CREATE DSI NEWORDER_104_DSI DSO NEWORDER_DSO USING(1855,1872) ALLOCATE PRIME ON SP181	SP181
SIZE 469K	SP165	SIZE 3352K, 235K OVERFLOW ON SP172 SIZE	SP173	SIZE 10064K	SP182
SIZE 234K;		SIZE 469K	SP174	SIZE 13416K, 352K OVERFLOW ON SP181 SIZE	SP182
 CREATE DSI NEWORDER_95_DSI DSO NEWORDER_DSO USING(1693,1710) ALLOCATE PRIME ON SP165		SIZE 117K;		SIZE 469K;	
SIZE 6712K	SP166	 CREATE DSI NEWORDER_100_DSI DSO NEWORDER_DSO USING(1783,1800) ALLOCATE PRIME ON SP174		 CREATE DSI NEWORDER_105_DSI DSO NEWORDER_DSO USING(1873,1890) ALLOCATE PRIME ON SP183	
SIZE 13416K	SP167	SIZE 10064K	SP175	SIZE 13424K	SP184
SIZE 3352K, 235K OVERFLOW ON SP165 SIZE	SP166	SIZE 13416K, 352K OVERFLOW ON SP174 SIZE	SP175	SIZE 10056K, 470K OVERFLOW ON SP183 SIZE	SP184
SIZE 469K	SP167	SIZE 469K;		SIZE 351K;	
SIZE 117K;		 CREATE DSI NEWORDER_101_DSI DSO NEWORDER_DSO USING(1801,1818) ALLOCATE PRIME ON SP176		 CREATE DSI NEWORDER_106_DSI DSO NEWORDER_DSO USING(1891,1908) ALLOCATE PRIME ON SP184	
 CREATE DSI NEWORDER_96_DSI DSO NEWORDER_DSO USING(1711,1728) ALLOCATE PRIME ON SP167		SIZE 13424K	SP177	SIZE 3360K	SP185
SIZE 10064K	SP168	SIZE 10056K, 470K OVERFLOW ON SP176 SIZE	SP177	SIZE 13416K	SP186
SIZE 13416K, 352K OVERFLOW ON SP167 SIZE	SP168	SIZE 351K;		SIZE 6704K, 118K OVERFLOW ON SP184 SIZE	SP185
SIZE 469K;		 CREATE DSI NEWORDER_102_DSI DSO NEWORDER_DSO USING(1819,1836) ALLOCATE PRIME ON SP177		SIZE 469K	SP186
 CREATE DSI NEWORDER_97_DSI DSO NEWORDER_DSO USING(1729,1746) ALLOCATE PRIME ON SP169		SIZE 3360K		SIZE 234K;	
SIZE 13424K				 CREATE DSI NEWORDER_107_DSI	

DSO NEWORDER_DSO USING(1909,1926) ALLOCATE PRIME ON SP186	SP195	SP203
SIZE 6712K	SIZE 117K;	SIZE 469K;
SIZE 13416K	CREATE DSI NEWORDER_112_DSI DSO NEWORDER_DSO USING(1999,2016) ALLOCATE PRIME ON SP195	CREATE DSI NEWORDER_117_DSI DSO NEWORDER_DSO USING(2089,2106) ALLOCATE PRIME ON SP204
SIZE 3352K, OVERFLOW ON SP186 SIZE	SIZE 10064K	SIZE 13424K
235K	SP196	SP205
SIZE 469K	SIZE 13416K, OVERFLOW ON SP195 SIZE	SIZE 10056K, OVERFLOW ON SP204 SIZE
SIZE 117K;	352K	470K
CREATE DSI NEWORDER_108_DSI DSO NEWORDER_DSO USING(1927,1944) ALLOCATE PRIME ON SP188	SP196	SP205
SIZE 10064K	SIZE 469K;	SIZE 351K;
SIZE 13416K, OVERFLOW ON SP188 SIZE	CREATE DSI NEWORDER_113_DSI DSO NEWORDER_DSO USING(2017,2034) ALLOCATE PRIME ON SP197	CREATE DSI NEWORDER_118_DSI DSO NEWORDER_DSO USING(2107,2124) ALLOCATE PRIME ON SP205
352K	SIZE 13424K	SIZE 3360K
SIZE 469K;	SIZE 10056K, OVERFLOW ON SP197 SIZE	SIZE 13416K
CREATE DSI NEWORDER_109_DSI DSO NEWORDER_DSO USING(1945,1962) ALLOCATE PRIME ON SP190	470K	SIZE 6704K, OVERFLOW ON SP205 SIZE
SIZE 13424K	SP198	118K
SIZE 10056K, OVERFLOW ON SP190 SIZE	SIZE 351K;	SIZE 469K
470K	CREATE DSI NEWORDER_114_DSI DSO NEWORDER_DSO USING(2035,2052) ALLOCATE PRIME ON SP198	SIZE 234K;
SIZE 351K;	SIZE 3360K	CREATE DSI NEWORDER_119_DSI DSO NEWORDER_DSO USING(2125,2142) ALLOCATE PRIME ON SP207
CREATE DSI NEWORDER_110_DSI DSO NEWORDER_DSO USING(1963,1980) ALLOCATE PRIME ON SP191	SP199	SIZE 6712K
SIZE 13424K	SIZE 13416K	SIZE 13416K
SIZE 10056K, OVERFLOW ON SP190 SIZE	SIZE 6704K, OVERFLOW ON SP198 SIZE	SIZE 3352K, OVERFLOW ON SP207 SIZE
470K	118K	235K
SIZE 351K;	SP199	SIZE 469K
CREATE DSI NEWORDER_110_DSI DSO NEWORDER_DSO USING(1963,1980) ALLOCATE PRIME ON SP191	SIZE 469K	SIZE 117K;
SIZE 3360K	SIZE 234K;	CREATE DSI NEWORDER_120_DSI DSO NEWORDER_DSO USING(2143,2160) ALLOCATE PRIME ON SP209
SIZE 13416K	CREATE DSI NEWORDER_115_DSI DSO NEWORDER_DSO USING(2053,2070) ALLOCATE PRIME ON SP200	SIZE 10064K
SIZE 6704K, OVERFLOW ON SP191 SIZE	SIZE 6712K	SIZE 13416K, OVERFLOW ON SP209 SIZE
118K	SP201	352K
SIZE 469K	SIZE 13416K	SIZE 469K;
SIZE 234K;	SIZE 3352K, OVERFLOW ON SP200 SIZE	CREATE DSI NEWORDER_121_DSI DSO NEWORDER_DSO USING(2161,2178) ALLOCATE PRIME ON SP211
CREATE DSI NEWORDER_111_DSI DSO NEWORDER_DSO USING(1981,1998) ALLOCATE PRIME ON SP193	235K	SIZE 13424K
SIZE 6712K	SP201	SIZE 10056K, OVERFLOW ON SP211 SIZE
SIZE 13416K	SIZE 469K	470K
SIZE 3352K, OVERFLOW ON SP193 SIZE	SIZE 117K;	
235K	CREATE DSI NEWORDER_116_DSI DSO NEWORDER_DSO USING(2071,2088) ALLOCATE PRIME ON SP202	
SIZE 469K	SIZE 10064K	
SIZE 234K;	SIZE 13416K, OVERFLOW ON SP202 SIZE	
CREATE DSI NEWORDER_111_DSI DSO NEWORDER_DSO USING(1981,1998) ALLOCATE PRIME ON SP193	352K	
SIZE 6712K		
SIZE 13416K		
SIZE 3352K, OVERFLOW ON SP193 SIZE		
235K		
SIZE 469K		

SP212	SP2	SP13
SIZE 351K;  CREATE DSI NEWORDER_122_DSI DSO NEWORDER_DSO USING(2179,2196) ALLOCATE PRIME ON SP212	SIZE 4632K;  CREATE DSI NEWORDER_X_2_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_2_DSI ALLOCATE INDEX ON SP2 SIZE	SIZE 1544K;  CREATE DSI NEWORDER_X_8_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_8_DSI ALLOCATE INDEX ON SP13 SIZE
SIZE 3360K  SIZE 13416K  SIZE 6704K, OVERFLOW ON SP212 SIZE	224K,  BASE ON SP2 SIZE 1552K SP3	224K,  BASE ON SP13 SIZE 4640K SP14
118K  SIZE 469K  SIZE 234K;	SIZE 6184K  SIZE 3088K;  CREATE DSI NEWORDER_X_3_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_3_DSI ALLOCATE INDEX ON SP4 SIZE	SIZE 6184K;  CREATE DSI NEWORDER_X_9_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_9_DSI ALLOCATE INDEX ON SP15 SIZE
CREATE DSI NEWORDER_123_DSI DSO NEWORDER_DSO USING(2197,2214) ALLOCATE PRIME ON SP214	224K,  BASE ON SP4 SIZE 3096K SP5	224K,  BASE ON SP15 SIZE 6192K SP16
SIZE 6712K  SIZE 13416K  SIZE 3352K, OVERFLOW ON SP214 SIZE	SIZE 6184K  SIZE 1544K;  CREATE DSI NEWORDER_X_4_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_4_DSI ALLOCATE INDEX ON SP6 SIZE	SIZE 4632K;  CREATE DSI NEWORDER_X_10_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_10_DSI ALLOCATE INDEX ON SP16 SIZE
235K  SIZE 469K  SIZE 117K;	224K,  BASE ON SP6 SIZE 4640K SP7	224K,  BASE ON SP16 SIZE 1552K SP17
CREATE DSI NEWORDER_124_DSI DSO NEWORDER_DSO USING(2215,4464) ALLOCATE PRIME ON SP216	SIZE 6184K;  CREATE DSI NEWORDER_X_5_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_5_DSI ALLOCATE INDEX ON SP8 SIZE	SIZE 6184K  SIZE 3088K;  CREATE DSI NEWORDER_X_11_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_11_DSI ALLOCATE INDEX ON SP18 SIZE
SIZE 10064K  SIZE 13416K, OVERFLOW ON SP216 SIZE	224K,  BASE ON SP8 SIZE 6192K SP9	224K,  BASE ON SP18 SIZE 3096K SP19
352K  SIZE 469K;	SIZE 4632K;  CREATE DSI NEWORDER_X_6_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_6_DSI ALLOCATE INDEX ON SP9 SIZE	SIZE 6184K  SIZE 1544K;  CREATE DSI NEWORDER_X_12_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_12_DSI ALLOCATE INDEX ON SP20 SIZE
----- ----- -- * Phase.2-6b: NewOrder-Index ----- -----	224K,  BASE ON SP9 SIZE 1552K SP10	224K,  BASE ON SP20 SIZE 4640K SP21
CREATE DSO NEWORDER_IX_DSO INDEX ON TPCC_SCHEMA.NEWORDER(NO_W_ID,NO_D_ID,NO_O_ID) TYPE BTREE(PAGESIZE1(8),PAGESIZE2(32),DEGENE RATE);	SIZE 6184K  SIZE 3088K;  CREATE DSI NEWORDER_X_7_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_7_DSI ALLOCATE INDEX ON SP11 SIZE	SIZE 6184K;  CREATE DSI NEWORDER_X_13_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_13_DSI ALLOCATE INDEX ON SP22 SIZE
CREATE DSI NEWORDER_X_1_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_1_DSI ALLOCATE INDEX ON SP1 SIZE	224K,  BASE ON SP11 SIZE 3096K SP12	224K,  BASE ON SP22 SIZE 6192K SP23
224K,  BASE ON SP1 SIZE 6192K	SIZE 6184K	SIZE 4632K;  CREATE DSI NEWORDER_X_14_DSI

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INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_14_DSI
ALLOCATE INDEX ON SP23 SIZE
224K,
      BASE ON SP23 SIZE 1552K
      SP24
SIZE 6184K
      SP25
SIZE 3088K;

CREATE DSI NEWORDER_X_15_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_15_DSI
ALLOCATE INDEX ON SP25 SIZE
224K,
      BASE ON SP25 SIZE 3096K
      SP26
SIZE 6184K
      SP27
SIZE 1544K;

CREATE DSI NEWORDER_X_16_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_16_DSI
ALLOCATE INDEX ON SP27 SIZE
224K,
      BASE ON SP27 SIZE 4640K
      SP28
SIZE 6184K;

CREATE DSI NEWORDER_X_17_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_17_DSI
ALLOCATE INDEX ON SP29 SIZE
224K,
      BASE ON SP29 SIZE 6192K
      SP30
SIZE 4632K;

CREATE DSI NEWORDER_X_18_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_18_DSI
ALLOCATE INDEX ON SP30 SIZE
224K,
      BASE ON SP30 SIZE 1552K
      SP31
SIZE 6184K
      SP32
SIZE 3088K;

CREATE DSI NEWORDER_X_19_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_19_DSI
ALLOCATE INDEX ON SP32 SIZE
224K,
      BASE ON SP32 SIZE 3096K
      SP33
SIZE 6184K
      SP34
SIZE 1544K;

CREATE DSI NEWORDER_X_20_DSI

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INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_20_DSI
ALLOCATE INDEX ON SP34 SIZE
224K,
      BASE ON SP34 SIZE 4640K
      SP35
SIZE 6184K;

CREATE DSI NEWORDER_X_21_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_21_DSI
ALLOCATE INDEX ON SP36 SIZE
224K,
      BASE ON SP36 SIZE 6192K
      SP37
SIZE 4632K;

CREATE DSI NEWORDER_X_22_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_22_DSI
ALLOCATE INDEX ON SP37 SIZE
224K,
      BASE ON SP37 SIZE 1552K
      SP38
SIZE 6184K
      SP39
SIZE 3088K;

CREATE DSI NEWORDER_X_23_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_23_DSI
ALLOCATE INDEX ON SP39 SIZE
224K,
      BASE ON SP39 SIZE 3096K
      SP40
SIZE 6184K
      SP41
SIZE 1544K;

CREATE DSI NEWORDER_X_24_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_24_DSI
ALLOCATE INDEX ON SP41 SIZE
224K,
      BASE ON SP41 SIZE 4640K
      SP42
SIZE 6184K;

CREATE DSI NEWORDER_X_25_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_25_DSI
ALLOCATE INDEX ON SP43 SIZE
224K,
      BASE ON SP43 SIZE 6192K
      SP44
SIZE 4632K;

CREATE DSI NEWORDER_X_26_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_26_DSI

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ALLOCATE INDEX ON SP44 SIZE
224K,
      BASE ON SP44 SIZE 1552K
      SP45
SIZE 6184K
      SP46
SIZE 3088K;

CREATE DSI NEWORDER_X_27_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_27_DSI
ALLOCATE INDEX ON SP46 SIZE
224K,
      BASE ON SP46 SIZE 3096K
      SP47
SIZE 6184K
      SP48
SIZE 1544K;

CREATE DSI NEWORDER_X_28_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_28_DSI
ALLOCATE INDEX ON SP48 SIZE
224K,
      BASE ON SP48 SIZE 4640K
      SP49
SIZE 6184K;

CREATE DSI NEWORDER_X_29_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_29_DSI
ALLOCATE INDEX ON SP50 SIZE
224K,
      BASE ON SP50 SIZE 6192K
      SP51
SIZE 4632K;

CREATE DSI NEWORDER_X_30_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_30_DSI
ALLOCATE INDEX ON SP51 SIZE
224K,
      BASE ON SP51 SIZE 1552K
      SP52
SIZE 6184K
      SP53
SIZE 3088K;

CREATE DSI NEWORDER_X_31_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_31_DSI
ALLOCATE INDEX ON SP53 SIZE
224K,
      BASE ON SP53 SIZE 3096K
      SP54
SIZE 6184K
      SP55
SIZE 1544K;

CREATE DSI NEWORDER_X_32_DSI
INDEX
DSO NEWORDER_IX_DSO
BASE NEWORDER_32_DSI

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224K, ALLOCATE INDEX ON SP55 SIZE BASE ON SP55 SIZE 4640K SP56 SIZE 6184K; CREATE DSI NEWORDER_X_33_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_33_DSI ALLOCATE INDEX ON SP57 SIZE 224K, BASE ON SP57 SIZE 6192K SP58 SIZE 4632K; CREATE DSI NEWORDER_X_34_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_34_DSI ALLOCATE INDEX ON SP58 SIZE 224K, BASE ON SP58 SIZE 1552K SP59 SIZE 6184K SIZE 3088K; CREATE DSI NEWORDER_X_35_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_35_DSI ALLOCATE INDEX ON SP60 SIZE 224K, BASE ON SP60 SIZE 3096K SP61 SIZE 6184K SIZE 1544K; CREATE DSI NEWORDER_X_36_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_36_DSI ALLOCATE INDEX ON SP62 SIZE 224K, BASE ON SP62 SIZE 4640K SP63 SIZE 6184K; CREATE DSI NEWORDER_X_37_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_37_DSI ALLOCATE INDEX ON SP64 SIZE 224K, BASE ON SP64 SIZE 6192K SP65 SIZE 4632K; CREATE DSI NEWORDER_X_38_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_38_DSI ALLOCATE INDEX ON SP65 SIZE 224K, BASE ON SP65 SIZE 1552K	SP66 SIZE 6184K SP67 SIZE 3088K; CREATE DSI NEWORDER_X_39_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_39_DSI ALLOCATE INDEX ON SP67 SIZE 224K, BASE ON SP67 SIZE 3096K SP68 SIZE 6184K SP69 SIZE 1544K; CREATE DSI NEWORDER_X_40_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_40_DSI ALLOCATE INDEX ON SP69 SIZE 224K, BASE ON SP69 SIZE 4640K SP70 SIZE 6184K; CREATE DSI NEWORDER_X_41_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_41_DSI ALLOCATE INDEX ON SP71 SIZE 224K, BASE ON SP71 SIZE 6192K SP72 SIZE 4632K; CREATE DSI NEWORDER_X_42_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_42_DSI ALLOCATE INDEX ON SP72 SIZE 224K, BASE ON SP72 SIZE 1552K SP73 SIZE 6184K SP74 SIZE 3088K; CREATE DSI NEWORDER_X_43_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_43_DSI ALLOCATE INDEX ON SP74 SIZE 224K, BASE ON SP74 SIZE 3096K SP75 SIZE 6184K SP76 SIZE 1544K; CREATE DSI NEWORDER_X_44_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_44_DSI ALLOCATE INDEX ON SP76 SIZE 224K, BASE ON SP76 SIZE 4640K	SP77 SIZE 6184K; CREATE DSI NEWORDER_X_45_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_45_DSI ALLOCATE INDEX ON SP78 SIZE 224K, BASE ON SP78 SIZE 6192K SP79 SIZE 4632K; CREATE DSI NEWORDER_X_46_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_46_DSI ALLOCATE INDEX ON SP79 SIZE 224K, BASE ON SP79 SIZE 1552K SP80 SIZE 6184K SP81 SIZE 3088K; CREATE DSI NEWORDER_X_47_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_47_DSI ALLOCATE INDEX ON SP81 SIZE 224K, BASE ON SP81 SIZE 3096K SP82 SIZE 6184K SP83 SIZE 1544K; CREATE DSI NEWORDER_X_48_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_48_DSI ALLOCATE INDEX ON SP83 SIZE 224K, BASE ON SP83 SIZE 4640K SP84 SIZE 6184K; CREATE DSI NEWORDER_X_49_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_49_DSI ALLOCATE INDEX ON SP85 SIZE 224K, BASE ON SP85 SIZE 6192K SP86 SIZE 4632K; CREATE DSI NEWORDER_X_50_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_50_DSI ALLOCATE INDEX ON SP86 SIZE 224K, BASE ON SP86 SIZE 1552K SP87 SIZE 6184K SP88 SIZE 3088K;
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CREATE DSI NEWORDER_X_51_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_51_DSI ALLOCATE INDEX ON SP88 SIZE 224K, BASE ON SP88 SIZE 3096K SP89 SIZE 6184K SIZE 1544K;	INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_57_DSI ALLOCATE INDEX ON SP99 SIZE 224K, BASE ON SP99 SIZE 6192K SP100 SIZE 4632K;	SP109 SIZE 3088K; CREATE DSI NEWORDER_X_63_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_63_DSI ALLOCATE INDEX ON SP109 SIZE 224K, BASE ON SP109 SIZE 3096K SP110 SIZE 6184K SP111 SIZE 1544K;
CREATE DSI NEWORDER_X_52_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_52_DSI ALLOCATE INDEX ON SP90 SIZE 224K, BASE ON SP90 SIZE 4640K SP91 SIZE 6184K;	CREATE DSI NEWORDER_X_58_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_58_DSI ALLOCATE INDEX ON SP100 SIZE 224K, BASE ON SP100 SIZE 1552K SP101 SIZE 6184K SP102 SIZE 3088K;	CREATE DSI NEWORDER_X_64_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_64_DSI ALLOCATE INDEX ON SP111 SIZE 224K, BASE ON SP111 SIZE 4640K SP112 SIZE 6184K;
CREATE DSI NEWORDER_X_53_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_53_DSI ALLOCATE INDEX ON SP92 SIZE 224K, BASE ON SP92 SIZE 6192K SP93 SIZE 4632K;	CREATE DSI NEWORDER_X_59_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_59_DSI ALLOCATE INDEX ON SP102 SIZE 224K, BASE ON SP102 SIZE 3096K SP103 SIZE 6184K SP104 SIZE 1544K;	CREATE DSI NEWORDER_X_65_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_65_DSI ALLOCATE INDEX ON SP113 SIZE 224K, BASE ON SP113 SIZE 6192K SP114 SIZE 4632K;
CREATE DSI NEWORDER_X_54_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_54_DSI ALLOCATE INDEX ON SP93 SIZE 224K, BASE ON SP93 SIZE 1552K SP94 SIZE 6184K SP95 SIZE 3088K;	CREATE DSI NEWORDER_X_60_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_60_DSI ALLOCATE INDEX ON SP104 SIZE 224K, BASE ON SP104 SIZE 4640K SP105 SIZE 6184K;	CREATE DSI NEWORDER_X_66_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_66_DSI ALLOCATE INDEX ON SP114 SIZE 224K, BASE ON SP114 SIZE 1552K SP115 SIZE 6184K SP116 SIZE 3088K;
CREATE DSI NEWORDER_X_55_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_55_DSI ALLOCATE INDEX ON SP95 SIZE 224K, BASE ON SP95 SIZE 3096K SP96 SIZE 6184K SP97 SIZE 1544K;	CREATE DSI NEWORDER_X_61_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_61_DSI ALLOCATE INDEX ON SP106 SIZE 224K, BASE ON SP106 SIZE 6192K SP107 SIZE 4632K;	CREATE DSI NEWORDER_X_67_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_67_DSI ALLOCATE INDEX ON SP116 SIZE 224K, BASE ON SP116 SIZE 3096K SP117 SIZE 6184K SP118 SIZE 1544K;
CREATE DSI NEWORDER_X_56_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_56_DSI ALLOCATE INDEX ON SP97 SIZE 224K, BASE ON SP97 SIZE 4640K SP98 SIZE 6184K;	CREATE DSI NEWORDER_X_62_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_62_DSI ALLOCATE INDEX ON SP107 SIZE 224K, BASE ON SP107 SIZE 1552K SP108 SIZE 6184K	CREATE DSI NEWORDER_X_68_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_68_DSI



224K, 4640K SIZE 6184K;	ALLOCATE INDEX ON SP118 SIZE BASE ON SP118 SIZE SP119	224K, 1552K SIZE 6184K SIZE 3088K;	DSO NEWORDER_IX_DSO BASE NEWORDER_74_DSI ALLOCATE INDEX ON SP128 SIZE BASE ON SP128 SIZE SP129 SP130	SIZE 6184K SIZE 1544K;	SP138 SP139
224K, 6192K SIZE 4632K;	CREATE DSI NEWORDER_X_69_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_69_DSI ALLOCATE INDEX ON SP120 SIZE BASE ON SP120 SIZE SP121	224K, 3096K SIZE 6184K SIZE 1544K;	CREATE DSI NEWORDER_X_75_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_75_DSI ALLOCATE INDEX ON SP130 SIZE BASE ON SP130 SIZE SP131 SP132	224K, 6192K SIZE 6184K;	CREATE DSI NEWORDER_X_80_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_80_DSI ALLOCATE INDEX ON SP139 SIZE BASE ON SP139 SIZE SP140
224K, 1552K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_70_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_70_DSI ALLOCATE INDEX ON SP121 SIZE BASE ON SP121 SIZE SP122 SP123	224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_76_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_76_DSI ALLOCATE INDEX ON SP132 SIZE BASE ON SP132 SIZE SP133	224K, 1552K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_81_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_81_DSI ALLOCATE INDEX ON SP141 SIZE BASE ON SP141 SIZE SP142
224K, 3096K SIZE 6184K SIZE 1544K;	CREATE DSI NEWORDER_X_71_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_71_DSI ALLOCATE INDEX ON SP123 SIZE BASE ON SP123 SIZE SP124 SP125	224K, 6192K SIZE 4632K;	CREATE DSI NEWORDER_X_77_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_77_DSI ALLOCATE INDEX ON SP134 SIZE BASE ON SP134 SIZE SP135	224K, 3096K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_82_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_82_DSI ALLOCATE INDEX ON SP142 SIZE BASE ON SP142 SIZE SP143 SP144
224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_72_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_72_DSI ALLOCATE INDEX ON SP125 SIZE BASE ON SP125 SIZE SP126	224K, 1552K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_78_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_78_DSI ALLOCATE INDEX ON SP135 SIZE BASE ON SP135 SIZE SP136 SP137	224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_83_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_83_DSI ALLOCATE INDEX ON SP144 SIZE BASE ON SP144 SIZE SP145 SP146
224K, 6192K SIZE 4632K;	CREATE DSI NEWORDER_X_73_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_73_DSI ALLOCATE INDEX ON SP127 SIZE BASE ON SP127 SIZE SP128	224K, 3096K	CREATE DSI NEWORDER_X_79_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_79_DSI ALLOCATE INDEX ON SP137 SIZE BASE ON SP137 SIZE	224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_84_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_84_DSI ALLOCATE INDEX ON SP146 SIZE BASE ON SP146 SIZE SP147
	CREATE DSI NEWORDER_X_74_DSI INDEX				CREATE DSI NEWORDER_X_85_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_85_DSI

224K, 6192K SIZE 4632K;	ALLOCATE INDEX ON SP148 SIZE BASE ON SP148 SIZE SP149	224K, 3096K SIZE 6184K SIZE 1544K;	CREATE DSI NEWORDER_X_91_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_91_DSI ALLOCATE INDEX ON SP158 SIZE BASE ON SP158 SIZE SP159 SP160	4640K SIZE 6184K;	BASE ON SP167 SIZE SP168 CREATE DSI NEWORDER_X_97_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_97_DSI ALLOCATE INDEX ON SP169 SIZE BASE ON SP169 SIZE SP170
224K, 1552K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_86_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_86_DSI ALLOCATE INDEX ON SP149 SIZE BASE ON SP149 SIZE SP150 SP151	224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_92_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_92_DSI ALLOCATE INDEX ON SP160 SIZE BASE ON SP160 SIZE SP161	224K, 6192K SIZE 4632K;	CREATE DSI NEWORDER_X_98_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_98_DSI ALLOCATE INDEX ON SP170 SIZE BASE ON SP170 SIZE SP171 SP172
224K, 3096K SIZE 6184K SIZE 1544K;	CREATE DSI NEWORDER_X_87_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_87_DSI ALLOCATE INDEX ON SP151 SIZE BASE ON SP151 SIZE SP152 SP153	224K, 6192K SIZE 4632K;	CREATE DSI NEWORDER_X_93_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_93_DSI ALLOCATE INDEX ON SP162 SIZE BASE ON SP162 SIZE SP163	224K, 3096K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_99_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_99_DSI ALLOCATE INDEX ON SP172 SIZE BASE ON SP172 SIZE SP173 SP174
224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_88_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_88_DSI ALLOCATE INDEX ON SP153 SIZE BASE ON SP153 SIZE SP154	224K, 1552K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_94_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_94_DSI ALLOCATE INDEX ON SP163 SIZE BASE ON SP163 SIZE SP164 SP165	224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_100_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_100_DSI ALLOCATE INDEX ON SP174 SIZE BASE ON SP174 SIZE SP175
224K, 6192K SIZE 4632K;	CREATE DSI NEWORDER_X_89_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_89_DSI ALLOCATE INDEX ON SP155 SIZE BASE ON SP155 SIZE SP156	224K, 3096K SIZE 6184K SIZE 1544K;	CREATE DSI NEWORDER_X_95_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_95_DSI ALLOCATE INDEX ON SP165 SIZE BASE ON SP165 SIZE SP166 SP167	224K, 4640K SIZE 6184K;	CREATE DSI NEWORDER_X_101_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_101_DSI ALLOCATE INDEX ON SP176 SIZE BASE ON SP176 SIZE SP177
224K, 1552K SIZE 6184K SIZE 3088K;	CREATE DSI NEWORDER_X_90_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_90_DSI ALLOCATE INDEX ON SP156 SIZE BASE ON SP156 SIZE SP157 SP158	224K,	CREATE DSI NEWORDER_X_96_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_96_DSI ALLOCATE INDEX ON SP167 SIZE	224K,	CREATE DSI NEWORDER_X_102_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_102_DSI

224K, 1552K SIZE 6184K SIZE 3088K;  CREATE DSI NEWORDER_X_103_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_103_DSI ALLOCATE INDEX ON SP179 SIZE  224K, 3096K SIZE 6184K SIZE 1544K;  CREATE DSI NEWORDER_X_104_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_104_DSI ALLOCATE INDEX ON SP181 SIZE  224K, 4640K SIZE 6184K;  CREATE DSI NEWORDER_X_105_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_105_DSI ALLOCATE INDEX ON SP183 SIZE  224K, 6192K SIZE 4632K;  CREATE DSI NEWORDER_X_106_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_106_DSI ALLOCATE INDEX ON SP184 SIZE  224K, 1552K SIZE 6184K SIZE 3088K;  CREATE DSI NEWORDER_X_107_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_107_DSI ALLOCATE INDEX ON SP186 SIZE  224K, 3096K SIZE 6184K	SP177 SIZE BASE ON SP177 SIZE SP178 SP179 SP188 SIZE BASE ON SP188 SIZE SP189 SP190 SIZE BASE ON SP190 SIZE SP191 SP191 SIZE SP192 SP193 SP193 SIZE BASE ON SP193 SIZE SP194 SP195 SP195 SIZE SP196 SP197 SIZE	SP188 SIZE 1544K; CREATE DSI NEWORDER_X_108_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_108_DSI ALLOCATE INDEX ON SP188 SIZE 224K, 4640K SIZE 6184K; CREATE DSI NEWORDER_X_109_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_109_DSI ALLOCATE INDEX ON SP190 SIZE 224K, 6192K SIZE 4632K; CREATE DSI NEWORDER_X_110_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_110_DSI ALLOCATE INDEX ON SP191 SIZE 224K, 1552K SIZE 6184K SIZE 3088K; CREATE DSI NEWORDER_X_111_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_111_DSI ALLOCATE INDEX ON SP193 SIZE 224K, 3096K SIZE 6184K SIZE 1544K; CREATE DSI NEWORDER_X_112_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_112_DSI ALLOCATE INDEX ON SP195 SIZE 224K, 4640K SIZE 6184K; CREATE DSI NEWORDER_X_113_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_113_DSI ALLOCATE INDEX ON SP197 SIZE 224K,	BASE ON SP197 SIZE SP198 SIZE 4632K; CREATE DSI NEWORDER_X_114_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_114_DSI ALLOCATE INDEX ON SP198 SIZE 224K, 1552K SIZE 6184K SIZE 3088K; CREATE DSI NEWORDER_X_115_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_115_DSI ALLOCATE INDEX ON SP200 SIZE 224K, 3096K SIZE 6184K SIZE 1544K; CREATE DSI NEWORDER_X_116_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_116_DSI ALLOCATE INDEX ON SP202 SIZE 224K, 4640K SIZE 6184K; CREATE DSI NEWORDER_X_117_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_117_DSI ALLOCATE INDEX ON SP204 SIZE 224K, 6192K SIZE 4632K; CREATE DSI NEWORDER_X_118_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_118_DSI ALLOCATE INDEX ON SP205 SIZE 224K, 1552K SIZE 6184K SIZE 3088K; CREATE DSI NEWORDER_X_119_DSI INDEX	SP198 SP199 SP200 SP200 SIZE SP201 SP202 SP202 SIZE SP203 SP204 SIZE SP205 SP205 SIZE SP206 SP207
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DSO NEWORDER_IX_DSO BASE NEWORDER_119_DSI ALLOCATE INDEX ON SP207 SIZE	SP217	ALLOCATE PRIME ON SP43 SIZE
224K, 3096K	SIZE 6184K; ----- ----- -- * Phase.2-2: District ----- -----	1601K, 40K;  OVERFLOW ON SP43 SIZE
BASE ON SP207 SIZE		
SP208		CREATE DSI DISTRICT_8_DSI DSO DISTRICT_DSO USING(505,576) ALLOCATE PRIME ON SP50 SIZE
SIZE 6184K		1601K, 40K;  OVERFLOW ON SP50 SIZE
SP209	CREATE DSO DISTRICT_DSO FROM TPCC_SCHEMA.DISTRICT TYPE RANDOM(PAGESIZE1(1),PAGESIZE2(1),RULE( D_W_ID*20+D_ID*2)) WHERE (D_W_ID) BETWEEN (?) AND (?);	1601K, 40K;  CREATE DSI DISTRICT_9_DSI DSO DISTRICT_DSO USING(577,648) ALLOCATE PRIME ON SP57 SIZE
SIZE 1544K;		1601K, 40K;  OVERFLOW ON SP57 SIZE
CREATE DSI NEWORDER_X_120_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_120_DSI ALLOCATE INDEX ON SP209 SIZE		
224K, 4640K	CREATE DSI DISTRICT_1_DSI DSO DISTRICT_DSO USING(1,72) ALLOCATE PRIME ON SP1 SIZE	1601K, 40K;  OVERFLOW ON SP57 SIZE
BASE ON SP209 SIZE		
SP210	1601K, 40K;  OVERFLOW ON SP1 SIZE	1601K, 40K;  CREATE DSI DISTRICT_10_DSI DSO DISTRICT_DSO USING(649,720) ALLOCATE PRIME ON SP64 SIZE
SIZE 6184K;		1601K, 40K;  OVERFLOW ON SP64 SIZE
CREATE DSI NEWORDER_X_121_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_121_DSI ALLOCATE INDEX ON SP211 SIZE	CREATE DSI DISTRICT_2_DSI DSO DISTRICT_DSO USING(73,144) ALLOCATE PRIME ON SP8 SIZE	1601K, 40K;  OVERFLOW ON SP64 SIZE
224K, 6192K	1601K, 40K;  OVERFLOW ON SP8 SIZE	1601K, 40K;  CREATE DSI DISTRICT_11_DSI DSO DISTRICT_DSO USING(721,792) ALLOCATE PRIME ON SP71 SIZE
BASE ON SP211 SIZE		
SP212	40K;  OVERFLOW ON SP8 SIZE	1601K, 40K;  OVERFLOW ON SP71 SIZE
SIZE 4632K;		
CREATE DSI NEWORDER_X_122_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_122_DSI ALLOCATE INDEX ON SP212 SIZE	CREATE DSI DISTRICT_3_DSI DSO DISTRICT_DSO USING(145,216) ALLOCATE PRIME ON SP15 SIZE	1601K, 40K;  OVERFLOW ON SP71 SIZE
224K, 1552K	1601K, 40K;  OVERFLOW ON SP15 SIZE	1601K, 40K;  OVERFLOW ON SP78 SIZE
BASE ON SP212 SIZE		
SP213	CREATE DSI DISTRICT_4_DSI DSO DISTRICT_DSO USING(217,288) ALLOCATE PRIME ON SP22 SIZE	1601K, 40K;  OVERFLOW ON SP78 SIZE
SIZE 6184K		
SP214	1601K, 40K;  OVERFLOW ON SP22 SIZE	1601K, 40K;  CREATE DSI DISTRICT_13_DSI DSO DISTRICT_DSO USING(865,936) ALLOCATE PRIME ON SP85 SIZE
SIZE 3088K;		1601K, 40K;  OVERFLOW ON SP85 SIZE
CREATE DSI NEWORDER_X_123_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_123_DSI ALLOCATE INDEX ON SP214 SIZE	CREATE DSI DISTRICT_5_DSI DSO DISTRICT_DSO USING(289,360) ALLOCATE PRIME ON SP29 SIZE	1601K, 40K;  OVERFLOW ON SP85 SIZE
224K, 3096K	1601K, 40K;  OVERFLOW ON SP29 SIZE	1601K, 40K;  OVERFLOW ON SP92 SIZE
BASE ON SP214 SIZE		
SP215	40K;  OVERFLOW ON SP29 SIZE	1601K, 40K;  OVERFLOW ON SP92 SIZE
SIZE 6184K		
SP216	CREATE DSI DISTRICT_6_DSI DSO DISTRICT_DSO USING(361,432) ALLOCATE PRIME ON SP36 SIZE	1601K, 40K;  OVERFLOW ON SP92 SIZE
SIZE 1544K;		
CREATE DSI NEWORDER_X_124_DSI INDEX DSO NEWORDER_IX_DSO BASE NEWORDER_124_DSI ALLOCATE INDEX ON SP216 SIZE	1601K, 40K;  OVERFLOW ON SP36 SIZE	1601K, 40K;  OVERFLOW ON SP99 SIZE
224K, 4640K	40K;  OVERFLOW ON SP36 SIZE	1601K, 40K;  OVERFLOW ON SP99 SIZE
BASE ON SP216 SIZE	CREATE DSI DISTRICT_7_DSI DSO DISTRICT_DSO USING(433,504)	1601K, 40K;  OVERFLOW ON SP99 SIZE

<pre> CREATE DSI DISTRICT_16_DSI DSO DISTRICT_DSO USING(1081,1152) ALLOCATE PRIME ON SP106 SIZE 1601K, OVERFLOW ON SP106 SIZE 40K;  CREATE DSI DISTRICT_17_DSI DSO DISTRICT_DSO USING(1153,1224) ALLOCATE PRIME ON SP113 SIZE 1601K, OVERFLOW ON SP113 SIZE 40K;  CREATE DSI DISTRICT_18_DSI DSO DISTRICT_DSO USING(1225,1296) ALLOCATE PRIME ON SP120 SIZE 1601K, OVERFLOW ON SP120 SIZE 40K;  CREATE DSI DISTRICT_19_DSI DSO DISTRICT_DSO USING(1297,1368) ALLOCATE PRIME ON SP127 SIZE 1601K, OVERFLOW ON SP127 SIZE 40K;  CREATE DSI DISTRICT_20_DSI DSO DISTRICT_DSO USING(1369,1440) ALLOCATE PRIME ON SP134 SIZE 1601K, OVERFLOW ON SP134 SIZE 40K;  CREATE DSI DISTRICT_21_DSI DSO DISTRICT_DSO USING(1441,1512) ALLOCATE PRIME ON SP141 SIZE 1601K, OVERFLOW ON SP141 SIZE 40K;  CREATE DSI DISTRICT_22_DSI DSO DISTRICT_DSO USING(1513,1584) ALLOCATE PRIME ON SP148 SIZE 1601K, OVERFLOW ON SP148 SIZE 40K;  CREATE DSI DISTRICT_23_DSI DSO DISTRICT_DSO USING(1585,1656) ALLOCATE PRIME ON SP155 SIZE 1601K, OVERFLOW ON SP155 SIZE 40K;  CREATE DSI DISTRICT_24_DSI DSO DISTRICT_DSO USING(1657,1728) </pre>	<pre> ALLOCATE PRIME ON SP162 SIZE 1601K, OVERFLOW ON SP162 SIZE 40K;  CREATE DSI DISTRICT_25_DSI DSO DISTRICT_DSO USING(1729,1800) ALLOCATE PRIME ON SP169 SIZE 1601K, OVERFLOW ON SP169 SIZE 40K;  CREATE DSI DISTRICT_26_DSI DSO DISTRICT_DSO USING(1801,1872) ALLOCATE PRIME ON SP176 SIZE 1601K, OVERFLOW ON SP176 SIZE 40K;  CREATE DSI DISTRICT_27_DSI DSO DISTRICT_DSO USING(1873,1944) ALLOCATE PRIME ON SP183 SIZE 1601K, OVERFLOW ON SP183 SIZE 40K;  CREATE DSI DISTRICT_28_DSI DSO DISTRICT_DSO USING(1945,2016) ALLOCATE PRIME ON SP190 SIZE 1601K, OVERFLOW ON SP190 SIZE 40K;  CREATE DSI DISTRICT_29_DSI DSO DISTRICT_DSO USING(2017,2088) ALLOCATE PRIME ON SP197 SIZE 1601K, OVERFLOW ON SP197 SIZE 40K;  CREATE DSI DISTRICT_30_DSI DSO DISTRICT_DSO USING(2089,2160) ALLOCATE PRIME ON SP204 SIZE 1601K, OVERFLOW ON SP204 SIZE 40K;  CREATE DSI DISTRICT_31_DSI DSO DISTRICT_DSO USING(2161,4464) ALLOCATE PRIME ON SP211 SIZE 1601K, OVERFLOW ON SP211 SIZE 40K;  ----- -- * Phase.2-1: Warehouse ----- CREATE DSO WAREHOUSE_DSO </pre>	<pre> FROM TPCC_SCHEMA.WAREHOUSE TYPE RANDOM(PAGESIZE1(1),PAGESIZE2(1)) WHERE (W_ID) BETWEEN (?) AND (?);  CREATE DSI WAREHOUSE_1_DSI DSO WAREHOUSE_DSO USING(1,72) ALLOCATE PRIME ON SP2 SIZE 2787K, OVERFLOW ON SP2 SIZE 11K;  CREATE DSI WAREHOUSE_2_DSI DSO WAREHOUSE_DSO USING(73,144) ALLOCATE PRIME ON SP9 SIZE 2787K, OVERFLOW ON SP9 SIZE 11K;  CREATE DSI WAREHOUSE_3_DSI DSO WAREHOUSE_DSO USING(145,216) ALLOCATE PRIME ON SP16 SIZE 2787K, OVERFLOW ON SP16 SIZE 11K;  CREATE DSI WAREHOUSE_4_DSI DSO WAREHOUSE_DSO USING(217,288) ALLOCATE PRIME ON SP23 SIZE 2787K, OVERFLOW ON SP23 SIZE 11K;  CREATE DSI WAREHOUSE_5_DSI DSO WAREHOUSE_DSO USING(289,360) ALLOCATE PRIME ON SP30 SIZE 2787K, OVERFLOW ON SP30 SIZE 11K;  CREATE DSI WAREHOUSE_6_DSI DSO WAREHOUSE_DSO USING(361,432) ALLOCATE PRIME ON SP37 SIZE 2787K, OVERFLOW ON SP37 SIZE 11K;  CREATE DSI WAREHOUSE_7_DSI DSO WAREHOUSE_DSO USING(433,504) ALLOCATE PRIME ON SP44 SIZE 2787K, OVERFLOW ON SP44 SIZE 11K;  CREATE DSI WAREHOUSE_8_DSI DSO WAREHOUSE_DSO USING(505,576) ALLOCATE PRIME ON SP51 SIZE 2787K, </pre>
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OVERFLOW ON SP51 SIZE
11K;
CREATE DSI WAREHOUSE_9_DSI
DSO WAREHOUSE_DSO
USING(577,648)
ALLOCATE PRIME ON SP58 SIZE
2787K,
OVERFLOW ON SP58 SIZE
11K;
CREATE DSI WAREHOUSE_10_DSI
DSO WAREHOUSE_DSO
USING(649,720)
ALLOCATE PRIME ON SP65 SIZE
2787K,
OVERFLOW ON SP65 SIZE
11K;
CREATE DSI WAREHOUSE_11_DSI
DSO WAREHOUSE_DSO
USING(721,792)
ALLOCATE PRIME ON SP72 SIZE
2787K,
OVERFLOW ON SP72 SIZE
11K;
CREATE DSI WAREHOUSE_12_DSI
DSO WAREHOUSE_DSO
USING(793,864)
ALLOCATE PRIME ON SP79 SIZE
2787K,
OVERFLOW ON SP79 SIZE
11K;
CREATE DSI WAREHOUSE_13_DSI
DSO WAREHOUSE_DSO
USING(865,936)
ALLOCATE PRIME ON SP86 SIZE
2787K,
OVERFLOW ON SP86 SIZE
11K;
CREATE DSI WAREHOUSE_14_DSI
DSO WAREHOUSE_DSO
USING(937,1008)
ALLOCATE PRIME ON SP93 SIZE
2787K,
OVERFLOW ON SP93 SIZE
11K;
CREATE DSI WAREHOUSE_15_DSI
DSO WAREHOUSE_DSO
USING(1009,1080)
ALLOCATE PRIME ON SP100
SIZE 2787K,
OVERFLOW ON SP100 SIZE
11K;
CREATE DSI WAREHOUSE_16_DSI
DSO WAREHOUSE_DSO
USING(1081,1152)
ALLOCATE PRIME ON SP107
SIZE 2787K,
OVERFLOW ON SP107 SIZE
11K;
CREATE DSI WAREHOUSE_17_DSI

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DSO WAREHOUSE_DSO
USING(1153,1224)
ALLOCATE PRIME ON SP114
SIZE 2787K,
OVERFLOW ON SP114 SIZE
11K;
CREATE DSI WAREHOUSE_18_DSI
DSO WAREHOUSE_DSO
USING(1225,1296)
ALLOCATE PRIME ON SP121
SIZE 2787K,
OVERFLOW ON SP121 SIZE
11K;
CREATE DSI WAREHOUSE_19_DSI
DSO WAREHOUSE_DSO
USING(1297,1368)
ALLOCATE PRIME ON SP128
SIZE 2787K,
OVERFLOW ON SP128 SIZE
11K;
CREATE DSI WAREHOUSE_20_DSI
DSO WAREHOUSE_DSO
USING(1369,1440)
ALLOCATE PRIME ON SP135
SIZE 2787K,
OVERFLOW ON SP135 SIZE
11K;
CREATE DSI WAREHOUSE_21_DSI
DSO WAREHOUSE_DSO
USING(1441,1512)
ALLOCATE PRIME ON SP142
SIZE 2787K,
OVERFLOW ON SP142 SIZE
11K;
CREATE DSI WAREHOUSE_22_DSI
DSO WAREHOUSE_DSO
USING(1513,1584)
ALLOCATE PRIME ON SP149
SIZE 2787K,
OVERFLOW ON SP149 SIZE
11K;
CREATE DSI WAREHOUSE_23_DSI
DSO WAREHOUSE_DSO
USING(1585,1656)
ALLOCATE PRIME ON SP156
SIZE 2787K,
OVERFLOW ON SP156 SIZE
11K;
CREATE DSI WAREHOUSE_24_DSI
DSO WAREHOUSE_DSO
USING(1657,1728)
ALLOCATE PRIME ON SP163
SIZE 2787K,
OVERFLOW ON SP163 SIZE
11K;
CREATE DSI WAREHOUSE_25_DSI
DSO WAREHOUSE_DSO
USING(1729,1800)
ALLOCATE PRIME ON SP170
SIZE 2787K,

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OVERFLOW ON SP170 SIZE
11K;
CREATE DSI WAREHOUSE_26_DSI
DSO WAREHOUSE_DSO
USING(1801,1872)
ALLOCATE PRIME ON SP177
SIZE 2787K,
OVERFLOW ON SP177 SIZE
11K;
CREATE DSI WAREHOUSE_27_DSI
DSO WAREHOUSE_DSO
USING(1873,1944)
ALLOCATE PRIME ON SP184
SIZE 2787K,
OVERFLOW ON SP184 SIZE
11K;
CREATE DSI WAREHOUSE_28_DSI
DSO WAREHOUSE_DSO
USING(1945,2016)
ALLOCATE PRIME ON SP191
SIZE 2787K,
OVERFLOW ON SP191 SIZE
11K;
CREATE DSI WAREHOUSE_29_DSI
DSO WAREHOUSE_DSO
USING(2017,2088)
ALLOCATE PRIME ON SP198
SIZE 2787K,
OVERFLOW ON SP198 SIZE
11K;
CREATE DSI WAREHOUSE_30_DSI
DSO WAREHOUSE_DSO
USING(2089,2160)
ALLOCATE PRIME ON SP205
SIZE 2787K,
OVERFLOW ON SP205 SIZE
11K;
CREATE DSI WAREHOUSE_31_DSI
DSO WAREHOUSE_DSO
USING(2161,4464)
ALLOCATE PRIME ON SP212
SIZE 2787K,
OVERFLOW ON SP212 SIZE
11K;
-----
-- * Phase.2-4a: Orders
-----
CREATE DSO ORDERS_DSO
FROM TPCC_SCHEMA.ORDERS
TYPE
RANDOM(PAGESIZE1(8),PAGESIZE2(1),RULE((
O_ID/12)*18+O_W_ID+((O_D_ID-1)*12+(O_ID-
((O_ID/12)*12))))*5724))
WHERE (O_W_ID) BETWEEN
(?) AND (?);
CREATE DSI ORDERS_1_DSI
DSO ORDERS_DSO
USING(1,18)

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        ALLOCATE PRIME  ON SP1 SIZE
26168K
        SP2
SIZE 19632K,
        OVERFLOW ON SP1 SIZE
310K
        SP2
SIZE 231K;
        CREATE DSI ORDERS_2_DSI
        DSO ORDERS_DSO
        USING(19,36)
        ALLOCATE PRIME  ON SP2 SIZE
6552K
        SP3
SIZE 26168K
        SP4
SIZE 13080K,
        OVERFLOW ON SP2 SIZE 78K
        SP3
SIZE 309K
        SP4
SIZE 154K;
        CREATE DSI ORDERS_3_DSI
        DSO ORDERS_DSO
        USING(37,54)
        ALLOCATE PRIME  ON SP4 SIZE
13080K
        SP5
SIZE 26168K
        SP6
SIZE 6552K,
        OVERFLOW ON SP4 SIZE
155K
        SP5
SIZE 309K
        SP6
SIZE 77K;
        CREATE DSI ORDERS_4_DSI
        DSO ORDERS_DSO
        USING(55,72)
        ALLOCATE PRIME  ON SP6 SIZE
19632K
        SP7
SIZE 26168K,
        OVERFLOW ON SP6 SIZE
232K
        SP7
SIZE 309K;
        CREATE DSI ORDERS_5_DSI
        DSO ORDERS_DSO
        USING(73,90)
        ALLOCATE PRIME  ON SP8 SIZE
26168K
        SP9
SIZE 19632K,
        OVERFLOW ON SP8 SIZE
310K
        SP9
SIZE 231K;
        CREATE DSI ORDERS_6_DSI
        DSO ORDERS_DSO
        USING(91,108)

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```

        ALLOCATE PRIME  ON SP9 SIZE
6552K
        SP10
SIZE 26168K
        SP11
SIZE 13080K,
        OVERFLOW ON SP9 SIZE 78K
        SP10
SIZE 309K
        SP11
SIZE 154K;
        CREATE DSI ORDERS_7_DSI
        DSO ORDERS_DSO
        USING(109,126)
        ALLOCATE PRIME  ON SP11 SIZE
13080K
        SP12
SIZE 26168K
        SP13
SIZE 6552K,
        OVERFLOW ON SP11 SIZE
155K
        SP12
SIZE 309K
        SP13
SIZE 77K;
        CREATE DSI ORDERS_8_DSI
        DSO ORDERS_DSO
        USING(127,144)
        ALLOCATE PRIME  ON SP13 SIZE
19632K
        SP14
SIZE 26168K,
        OVERFLOW ON SP13 SIZE
232K
        SP14
SIZE 309K;
        CREATE DSI ORDERS_9_DSI
        DSO ORDERS_DSO
        USING(145,162)
        ALLOCATE PRIME  ON SP15 SIZE
26168K
        SP16
SIZE 19632K,
        OVERFLOW ON SP15 SIZE
310K
        SP16
SIZE 231K;
        CREATE DSI ORDERS_10_DSI
        DSO ORDERS_DSO
        USING(163,180)
        ALLOCATE PRIME  ON SP16 SIZE
6552K
        SP17
SIZE 26168K
        SP18
SIZE 13080K,
        OVERFLOW ON SP16 SIZE
78K
        SP17
SIZE 309K
        SP18
SIZE 154K;

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```

        CREATE DSI ORDERS_11_DSI
        DSO ORDERS_DSO
        USING(181,198)
        ALLOCATE PRIME  ON SP18 SIZE
13080K
        SP19
SIZE 26168K
        SP20
SIZE 6552K,
        OVERFLOW ON SP18 SIZE
155K
        SP19
SIZE 309K
        SP20
SIZE 77K;
        CREATE DSI ORDERS_12_DSI
        DSO ORDERS_DSO
        USING(199,216)
        ALLOCATE PRIME  ON SP20 SIZE
19632K
        SP21
SIZE 26168K,
        OVERFLOW ON SP20 SIZE
232K
        SP21
SIZE 309K;
        CREATE DSI ORDERS_13_DSI
        DSO ORDERS_DSO
        USING(217,234)
        ALLOCATE PRIME  ON SP22 SIZE
26168K
        SP23
SIZE 19632K,
        OVERFLOW ON SP22 SIZE
310K
        SP23
SIZE 231K;
        CREATE DSI ORDERS_14_DSI
        DSO ORDERS_DSO
        USING(235,252)
        ALLOCATE PRIME  ON SP23 SIZE
6552K
        SP24
SIZE 26168K
        SP25
SIZE 13080K,
        OVERFLOW ON SP23 SIZE
78K
        SP24
SIZE 309K
        SP25
SIZE 154K;
        CREATE DSI ORDERS_15_DSI
        DSO ORDERS_DSO
        USING(253,270)
        ALLOCATE PRIME  ON SP25 SIZE
13080K
        SP26
SIZE 26168K
        SP27
SIZE 6552K,
        OVERFLOW ON SP25 SIZE
155K

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SIZE 309K	SP26	232K	OVERFLOW ON SP34 SIZE	310K	OVERFLOW ON SP43 SIZE
SIZE 77K;	SP27	SIZE 309K;	SP35	SIZE 231K;	SP44
CREATE DSI ORDERS_16_DSI DSO ORDERS_DSO USING(271,288) ALLOCATE PRIME ON SP27 SIZE		CREATE DSI ORDERS_21_DSI DSO ORDERS_DSO USING(361,378) ALLOCATE PRIME ON SP36 SIZE		CREATE DSI ORDERS_26_DSI DSO ORDERS_DSO USING(451,468) ALLOCATE PRIME ON SP44 SIZE	
19632K		26168K		6552K	
SIZE 26168K,	SP28	SIZE 19632K,	SP37	SIZE 26168K	SP45
OVERFLOW ON SP27 SIZE		OVERFLOW ON SP36 SIZE		SIZE 13080K,	SP46
232K		310K		SIZE 13080K,	OVERFLOW ON SP44 SIZE
SIZE 309K;	SP28	SIZE 231K;	SP37	78K	
CREATE DSI ORDERS_17_DSI DSO ORDERS_DSO USING(289,306) ALLOCATE PRIME ON SP29 SIZE		CREATE DSI ORDERS_22_DSI DSO ORDERS_DSO USING(379,396) ALLOCATE PRIME ON SP37 SIZE		SIZE 309K	SP45
26168K		6552K		SIZE 154K;	SP46
SIZE 19632K,	SP30	SIZE 26168K	SP38	CREATE DSI ORDERS_27_DSI DSO ORDERS_DSO USING(469,486) ALLOCATE PRIME ON SP46 SIZE	
OVERFLOW ON SP29 SIZE		SIZE 13080K,	SP39	13080K	
310K		OVERFLOW ON SP37 SIZE		SIZE 26168K	SP47
SIZE 231K;	SP30	78K		SIZE 6552K,	SP48
CREATE DSI ORDERS_18_DSI DSO ORDERS_DSO USING(307,324) ALLOCATE PRIME ON SP30 SIZE		SIZE 309K	SP38	SIZE 155K,	OVERFLOW ON SP46 SIZE
6552K		SIZE 154K;	SP39	155K	
SIZE 26168K	SP31	CREATE DSI ORDERS_23_DSI DSO ORDERS_DSO USING(397,414) ALLOCATE PRIME ON SP39 SIZE		SIZE 309K	SP47
SIZE 13080K,	SP32	13080K		SIZE 77K;	SP48
OVERFLOW ON SP30 SIZE		SIZE 26168K	SP40	CREATE DSI ORDERS_28_DSI DSO ORDERS_DSO USING(487,504) ALLOCATE PRIME ON SP48 SIZE	
78K		SIZE 6552K,	SP41	19632K	
SIZE 309K	SP31	OVERFLOW ON SP39 SIZE		SIZE 26168K,	SP49
SIZE 154K;	SP32	155K		SIZE 26168K,	OVERFLOW ON SP48 SIZE
CREATE DSI ORDERS_19_DSI DSO ORDERS_DSO USING(325,342) ALLOCATE PRIME ON SP32 SIZE		SIZE 309K	SP40	232K	
13080K		SIZE 77K;	SP41	SIZE 309K;	SP49
SIZE 26168K	SP33	CREATE DSI ORDERS_24_DSI DSO ORDERS_DSO USING(415,432) ALLOCATE PRIME ON SP41 SIZE		CREATE DSI ORDERS_29_DSI DSO ORDERS_DSO USING(505,522) ALLOCATE PRIME ON SP50 SIZE	
SIZE 6552K,	SP34	19632K		26168K	
OVERFLOW ON SP32 SIZE		SIZE 26168K,	SP42	SIZE 19632K,	SP51
155K		OVERFLOW ON SP41 SIZE		SIZE 19632K,	OVERFLOW ON SP50 SIZE
SIZE 309K	SP33	232K		310K	
SIZE 77K;	SP34	SIZE 309K;	SP42	SIZE 231K;	SP51
CREATE DSI ORDERS_20_DSI DSO ORDERS_DSO USING(343,360) ALLOCATE PRIME ON SP34 SIZE		CREATE DSI ORDERS_25_DSI DSO ORDERS_DSO USING(433,450) ALLOCATE PRIME ON SP43 SIZE		CREATE DSI ORDERS_30_DSI DSO ORDERS_DSO USING(523,540) ALLOCATE PRIME ON SP51 SIZE	
19632K		26168K		6552K	
SIZE 26168K,	SP35	SIZE 19632K,	SP44	SIZE 26168K	SP52



SIZE 13080K, 78K	SP53 OVERFLOW ON SP51 SIZE	13080K	ALLOCATE PRIME ON SP60 SIZE	CREATE DSI ORDERS_40_DSI DSO ORDERS_DSO USING(703,720) ALLOCATE PRIME ON SP69 SIZE
SIZE 309K	SP52	SIZE 26168K	SP61	19632K
SIZE 154K;	SP53	SIZE 6552K, 155K	OVERFLOW ON SP60 SIZE	SIZE 26168K, 232K
CREATE DSI ORDERS_31_DSI DSO ORDERS_DSO USING(541,558) ALLOCATE PRIME ON SP53 SIZE		SIZE 309K	SP61	OVERFLOW ON SP69 SIZE
13080K	SP54	SIZE 77K;	SP62	SIZE 309K;
SIZE 26168K	SP55	CREATE DSI ORDERS_36_DSI DSO ORDERS_DSO USING(631,648) ALLOCATE PRIME ON SP62 SIZE		CREATE DSI ORDERS_41_DSI DSO ORDERS_DSO USING(721,738) ALLOCATE PRIME ON SP71 SIZE
SIZE 6552K, 155K	OVERFLOW ON SP53 SIZE	19632K	SP63	26168K
SIZE 309K	SP54	SIZE 26168K, 232K	OVERFLOW ON SP62 SIZE	SIZE 19632K, 310K
SIZE 77K;	SP55	SIZE 309K;	SP63	SIZE 231K;
CREATE DSI ORDERS_32_DSI DSO ORDERS_DSO USING(559,576) ALLOCATE PRIME ON SP55 SIZE		CREATE DSI ORDERS_37_DSI DSO ORDERS_DSO USING(649,666) ALLOCATE PRIME ON SP64 SIZE		CREATE DSI ORDERS_42_DSI DSO ORDERS_DSO USING(739,756) ALLOCATE PRIME ON SP72 SIZE
19632K	SP56	26168K	SP65	6552K
SIZE 26168K, 232K	OVERFLOW ON SP55 SIZE	SIZE 19632K, 310K	OVERFLOW ON SP64 SIZE	SIZE 26168K
SIZE 309K;	SP56	SIZE 231K;	SP65	SIZE 13080K, 78K
CREATE DSI ORDERS_33_DSI DSO ORDERS_DSO USING(577,594) ALLOCATE PRIME ON SP57 SIZE		CREATE DSI ORDERS_38_DSI DSO ORDERS_DSO USING(667,684) ALLOCATE PRIME ON SP65 SIZE		OVERFLOW ON SP72 SIZE
26168K	SP58	6552K	SP66	SIZE 309K
SIZE 19632K, 310K	OVERFLOW ON SP57 SIZE	SIZE 26168K	SP67	SIZE 154K;
SIZE 231K;	SP58	SIZE 13080K, 78K	OVERFLOW ON SP65 SIZE	CREATE DSI ORDERS_43_DSI DSO ORDERS_DSO USING(757,774) ALLOCATE PRIME ON SP74 SIZE
CREATE DSI ORDERS_34_DSI DSO ORDERS_DSO USING(595,612) ALLOCATE PRIME ON SP58 SIZE		SIZE 309K	SP66	13080K
6552K	SP59	SIZE 154K;	SP67	SIZE 26168K
SIZE 26168K	SP60	CREATE DSI ORDERS_39_DSI DSO ORDERS_DSO USING(685,702) ALLOCATE PRIME ON SP67 SIZE		SIZE 6552K, 155K
SIZE 13080K, 78K	OVERFLOW ON SP58 SIZE	13080K	SP68	OVERFLOW ON SP74 SIZE
SIZE 309K	SP59	SIZE 26168K	SP69	SIZE 309K
SIZE 154K;	SP60	SIZE 6552K, 155K	OVERFLOW ON SP67 SIZE	SIZE 77K;
CREATE DSI ORDERS_35_DSI DSO ORDERS_DSO USING(613,630)		SIZE 309K	SP68	CREATE DSI ORDERS_44_DSI DSO ORDERS_DSO USING(775,792) ALLOCATE PRIME ON SP76 SIZE
		SIZE 77K;	SP69	19632K
				SIZE 26168K, 232K
				OVERFLOW ON SP76 SIZE
				SIZE 309K;

CREATE DSI ORDERS_45_DSI DSO ORDERS_DSO USING(793,810) ALLOCATE PRIME ON SP78 SIZE	CREATE DSI ORDERS_50_DSI DSO ORDERS_DSO USING(883,900) ALLOCATE PRIME ON SP86 SIZE	SIZE 309K	SP94
26168K	6552K	SIZE 154K;	SP95
SIZE 19632K, OVERFLOW ON SP78 SIZE	SIZE 26168K	CREATE DSI ORDERS_55_DSI DSO ORDERS_DSO USING(973,990) ALLOCATE PRIME ON SP95 SIZE	
310K	SIZE 13080K, OVERFLOW ON SP86 SIZE	13080K	SP96
SIZE 231K;	78K	SIZE 26168K	SP97
CREATE DSI ORDERS_46_DSI DSO ORDERS_DSO USING(811,828) ALLOCATE PRIME ON SP79 SIZE	SIZE 309K	SIZE 6552K, OVERFLOW ON SP95 SIZE	
6552K	SIZE 154K;	155K	SP96
SIZE 26168K	CREATE DSI ORDERS_51_DSI DSO ORDERS_DSO USING(901,918) ALLOCATE PRIME ON SP88 SIZE	SIZE 309K	SP97
SIZE 13080K, OVERFLOW ON SP79 SIZE	13080K	SIZE 77K;	
78K	SIZE 26168K	CREATE DSI ORDERS_56_DSI DSO ORDERS_DSO USING(991,1008) ALLOCATE PRIME ON SP97 SIZE	
SIZE 309K	SIZE 6552K, OVERFLOW ON SP88 SIZE	19632K	SP98
SIZE 154K;	155K	SIZE 26168K, OVERFLOW ON SP97 SIZE	
CREATE DSI ORDERS_47_DSI DSO ORDERS_DSO USING(829,846) ALLOCATE PRIME ON SP81 SIZE	SIZE 309K	232K	SP98
13080K	SIZE 77K;	SIZE 309K;	
SIZE 26168K	CREATE DSI ORDERS_52_DSI DSO ORDERS_DSO USING(919,936) ALLOCATE PRIME ON SP90 SIZE	CREATE DSI ORDERS_57_DSI DSO ORDERS_DSO USING(1009,1026) ALLOCATE PRIME ON SP99 SIZE	
SIZE 6552K, OVERFLOW ON SP81 SIZE	19632K	26168K	SP100
155K	SIZE 26168K, OVERFLOW ON SP90 SIZE	SIZE 19632K, OVERFLOW ON SP99 SIZE	
SIZE 309K	232K	310K	SP100
SIZE 77K;	SIZE 309K;	SIZE 231K;	
CREATE DSI ORDERS_48_DSI DSO ORDERS_DSO USING(847,864) ALLOCATE PRIME ON SP83 SIZE	CREATE DSI ORDERS_53_DSI DSO ORDERS_DSO USING(937,954) ALLOCATE PRIME ON SP92 SIZE	CREATE DSI ORDERS_58_DSI DSO ORDERS_DSO USING(1027,1044) ALLOCATE PRIME ON SP100	
19632K	26168K	SIZE 6552K	SP101
SIZE 26168K, OVERFLOW ON SP83 SIZE	SIZE 19632K, OVERFLOW ON SP92 SIZE	SIZE 26168K	SP102
232K	310K	SIZE 13080K, OVERFLOW ON SP100 SIZE	
SIZE 309K;	SIZE 231K;	78K	SP101
CREATE DSI ORDERS_49_DSI DSO ORDERS_DSO USING(865,882) ALLOCATE PRIME ON SP85 SIZE	CREATE DSI ORDERS_54_DSI DSO ORDERS_DSO USING(955,972) ALLOCATE PRIME ON SP93 SIZE	SIZE 309K	SP102
26168K	6552K	SIZE 154K;	
SIZE 19632K, OVERFLOW ON SP85 SIZE	SIZE 26168K	CREATE DSI ORDERS_59_DSI DSO ORDERS_DSO USING(1045,1062) ALLOCATE PRIME ON SP102	
310K	SIZE 13080K, OVERFLOW ON SP93 SIZE	SIZE 13080K	SP103
SIZE 231K;	78K	SIZE 26168K	

SIZE 6552K, 155K SIZE 309K SIZE 77K;  CREATE DSI ORDERS_60_DSI DSO ORDERS_DSO USING(1063,1080) ALLOCATE PRIME ON SP104 SIZE 19632K  SIZE 26168K, 232K SIZE 309K;  CREATE DSI ORDERS_61_DSI DSO ORDERS_DSO USING(1081,1098) ALLOCATE PRIME ON SP106 SIZE 26168K  SIZE 19632K, 310K SIZE 231K;  CREATE DSI ORDERS_62_DSI DSO ORDERS_DSO USING(1099,1116) ALLOCATE PRIME ON SP107 SIZE 6552K  SIZE 26168K SIZE 13080K, 78K SIZE 309K SIZE 154K;  CREATE DSI ORDERS_63_DSI DSO ORDERS_DSO USING(1117,1134) ALLOCATE PRIME ON SP109 SIZE 13080K  SIZE 26168K SIZE 6552K, 155K SIZE 309K SIZE 77K;  CREATE DSI ORDERS_64_DSI DSO ORDERS_DSO USING(1135,1152)	SP104   SP103 SP104   SP105  SP105  SP107 SP107  SP108 SP109  SP108 SP109  SP110 SP111  SP110 SP111	ALLOCATE PRIME ON SP111 SIZE 19632K SIZE 26168K, 232K SIZE 309K;  CREATE DSI ORDERS_65_DSI DSO ORDERS_DSO USING(1153,1170) ALLOCATE PRIME ON SP113 SIZE 26168K  SIZE 19632K, 310K SIZE 231K;  CREATE DSI ORDERS_66_DSI DSO ORDERS_DSO USING(1171,1188) ALLOCATE PRIME ON SP114 SIZE 6552K  SIZE 26168K SIZE 13080K, 78K SIZE 309K SIZE 154K;  CREATE DSI ORDERS_67_DSI DSO ORDERS_DSO USING(1189,1206) ALLOCATE PRIME ON SP116 SIZE 13080K  SIZE 26168K SIZE 6552K, 155K SIZE 309K SIZE 77K;  CREATE DSI ORDERS_68_DSI DSO ORDERS_DSO USING(1207,1224) ALLOCATE PRIME ON SP118 SIZE 19632K  SIZE 26168K, 232K SIZE 309K;  CREATE DSI ORDERS_69_DSI DSO ORDERS_DSO USING(1225,1242)	SP112  SP112  SP114 SP114  SP115 SP116  SP115 SP116  SP117 SP118  SP117 SP118  SP119 SP119	ALLOCATE PRIME ON SP120 SIZE 26168K SIZE 19632K, 310K SIZE 231K;  CREATE DSI ORDERS_70_DSI DSO ORDERS_DSO USING(1243,1260) ALLOCATE PRIME ON SP121 SIZE 6552K  SIZE 26168K SIZE 13080K, 78K SIZE 309K SIZE 154K;  CREATE DSI ORDERS_71_DSI DSO ORDERS_DSO USING(1261,1278) ALLOCATE PRIME ON SP123 SIZE 13080K  SIZE 26168K SIZE 6552K, 155K SIZE 309K SIZE 77K;  CREATE DSI ORDERS_72_DSI DSO ORDERS_DSO USING(1279,1296) ALLOCATE PRIME ON SP125 SIZE 19632K  SIZE 26168K, 232K SIZE 309K;  CREATE DSI ORDERS_73_DSI DSO ORDERS_DSO USING(1297,1314) ALLOCATE PRIME ON SP127 SIZE 26168K  SIZE 19632K, 310K SIZE 231K;  CREATE DSI ORDERS_74_DSI DSO ORDERS_DSO USING(1315,1332)	SP121  SP121  SP122 SP123  SP122 SP123  SP124 SP125  SP124 SP125  SP126 SP126  SP128 SP128
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ALLOCATE PRIME ON SP128					SP145
SIZE 6552K		CREATE DSI ORDERS_79_DSI		SIZE 309K	
	SP129	DSO ORDERS_DSO			SP146
SIZE 26168K		USING(1405,1422)		SIZE 77K;	
	SP130	ALLOCATE PRIME ON SP137			
SIZE 13080K,		SIZE 13080K		CREATE DSI ORDERS_84_DSI	
	OVERFLOW ON SP128 SIZE		SP138	DSO ORDERS_DSO	
78K		SIZE 26168K		USING(1495,1512)	
	SP129		SP139	ALLOCATE PRIME ON SP146	
SIZE 309K		SIZE 6552K,		SIZE 19632K	
	SP130	155K			SP147
SIZE 154K;		OVERFLOW ON SP137 SIZE		SIZE 26168K,	
					OVERFLOW ON SP146 SIZE
CREATE DSI ORDERS_75_DSI		SIZE 309K		232K	
DSO ORDERS_DSO			SP138		SP147
USING(1333,1350)		SIZE 77K;		SIZE 309K;	
ALLOCATE PRIME ON SP130			SP139		
SIZE 13080K		CREATE DSI ORDERS_80_DSI		CREATE DSI ORDERS_85_DSI	
	SP131	DSO ORDERS_DSO		DSO ORDERS_DSO	
SIZE 26168K		USING(1423,1440)		USING(1513,1530)	
	SP132	ALLOCATE PRIME ON SP139		ALLOCATE PRIME ON SP148	
SIZE 6552K,		SIZE 19632K		SIZE 26168K	
	OVERFLOW ON SP130 SIZE		SP140		SP149
155K		SIZE 26168K,		SIZE 19632K,	
	SP131				OVERFLOW ON SP148 SIZE
SIZE 309K		232K		310K	
	SP132		SP140		SP149
SIZE 77K;		SIZE 309K;		SIZE 231K;	
CREATE DSI ORDERS_76_DSI		CREATE DSI ORDERS_81_DSI		CREATE DSI ORDERS_86_DSI	
DSO ORDERS_DSO		DSO ORDERS_DSO		DSO ORDERS_DSO	
USING(1351,1368)		USING(1441,1458)		USING(1531,1548)	
ALLOCATE PRIME ON SP132		ALLOCATE PRIME ON SP141		ALLOCATE PRIME ON SP149	
SIZE 19632K		SIZE 26168K		SIZE 6552K	
	SP133		SP142		SP150
SIZE 26168K,		SIZE 19632K,		SIZE 26168K	
	OVERFLOW ON SP132 SIZE		OVERFLOW ON SP141 SIZE		SP151
232K		310K		SIZE 13080K,	
	SP133		SP142		OVERFLOW ON SP149 SIZE
SIZE 309K;		SIZE 231K;		78K	
					SP150
CREATE DSI ORDERS_77_DSI		CREATE DSI ORDERS_82_DSI		SIZE 309K	
DSO ORDERS_DSO		DSO ORDERS_DSO			SP151
USING(1369,1386)		USING(1459,1476)		SIZE 154K;	
ALLOCATE PRIME ON SP134		ALLOCATE PRIME ON SP142			
SIZE 26168K		SIZE 6552K		CREATE DSI ORDERS_87_DSI	
	SP135		SP143	DSO ORDERS_DSO	
SIZE 19632K,		SIZE 26168K		USING(1549,1566)	
	OVERFLOW ON SP134 SIZE		SP144	ALLOCATE PRIME ON SP151	
310K		SIZE 13080K,		SIZE 13080K	
	SP135		OVERFLOW ON SP142 SIZE		SP152
SIZE 231K;		78K		SIZE 26168K	
			SP143		SP153
CREATE DSI ORDERS_78_DSI		SIZE 309K		SIZE 6552K,	
DSO ORDERS_DSO			SP144		OVERFLOW ON SP151 SIZE
USING(1387,1404)		SIZE 154K;		155K	
ALLOCATE PRIME ON SP135					SP152
SIZE 6552K		CREATE DSI ORDERS_83_DSI		SIZE 309K	
	SP136	DSO ORDERS_DSO			SP153
SIZE 26168K		USING(1477,1494)		SIZE 77K;	
	SP137	ALLOCATE PRIME ON SP144			
SIZE 13080K,		SIZE 13080K		CREATE DSI ORDERS_88_DSI	
	OVERFLOW ON SP135 SIZE		SP145	DSO ORDERS_DSO	
78K		SIZE 26168K		USING(1567,1584)	
	SP136		SP146	ALLOCATE PRIME ON SP153	
SIZE 309K		SIZE 6552K,		SIZE 19632K	
	SP137		OVERFLOW ON SP144 SIZE		SP154
SIZE 154K;		155K		SIZE 26168K,	

232K	OVERFLOW ON SP153 SIZE	310K	OVERFLOW ON SP162 SIZE	SIZE 13080K,	SP172
SIZE 309K;	SP154	SIZE 231K;	SP163	78K	OVERFLOW ON SP170 SIZE
CREATE DSI ORDERS_89_DSI		CREATE DSI ORDERS_94_DSI		SIZE 309K	SP171
DSO ORDERS_DSO		DSO ORDERS_DSO		SIZE 154K;	SP172
USING(1585,1602)		USING(1675,1692)		CREATE DSI ORDERS_99_DSI	
ALLOCATE PRIME ON SP155		ALLOCATE PRIME ON SP163		DSO ORDERS_DSO	
SIZE 26168K		SIZE 6552K		USING(1765,1782)	
SIZE 19632K,	SP156	SIZE 26168K	SP164	ALLOCATE PRIME ON SP172	
OVERFLOW ON SP155 SIZE		SIZE 13080K,	SP165	SIZE 13080K	SP173
310K	SP156	78K	OVERFLOW ON SP163 SIZE	SIZE 26168K	SP174
SIZE 231K;		SIZE 309K	SP164	SIZE 6552K,	OVERFLOW ON SP172 SIZE
CREATE DSI ORDERS_90_DSI		SIZE 154K;	SP165	155K	SP173
DSO ORDERS_DSO		CREATE DSI ORDERS_95_DSI		SIZE 309K	SP174
USING(1603,1620)		DSO ORDERS_DSO		SIZE 77K;	
ALLOCATE PRIME ON SP156		USING(1693,1710)		CREATE DSI ORDERS_100_DSI	
SIZE 6552K	SP157	ALLOCATE PRIME ON SP165		DSO ORDERS_DSO	
SIZE 26168K	SP158	SIZE 13080K	SP166	USING(1783,1800)	
SIZE 13080K,		SIZE 26168K	SP167	ALLOCATE PRIME ON SP174	
OVERFLOW ON SP156 SIZE		SIZE 6552K,	OVERFLOW ON SP165 SIZE	SIZE 19632K	SP175
78K	SP157	155K	SP166	SIZE 26168K,	OVERFLOW ON SP174 SIZE
SIZE 309K	SP158	SIZE 309K	SP167	232K	SP175
SIZE 154K;		SIZE 77K;		SIZE 309K;	
CREATE DSI ORDERS_91_DSI		CREATE DSI ORDERS_96_DSI		CREATE DSI ORDERS_101_DSI	
DSO ORDERS_DSO		DSO ORDERS_DSO		DSO ORDERS_DSO	
USING(1621,1638)		USING(1711,1728)		USING(1801,1818)	
ALLOCATE PRIME ON SP158		ALLOCATE PRIME ON SP167		ALLOCATE PRIME ON SP176	
SIZE 13080K	SP159	SIZE 19632K	SP168	SIZE 26168K	SP177
SIZE 26168K	SP160	SIZE 26168K,	OVERFLOW ON SP167 SIZE	SIZE 19632K,	OVERFLOW ON SP176 SIZE
SIZE 6552K,		232K	SP168	310K	SP177
OVERFLOW ON SP158 SIZE		SIZE 309K;		SIZE 231K;	
155K	SP159	CREATE DSI ORDERS_97_DSI		CREATE DSI ORDERS_102_DSI	
SIZE 309K	SP160	DSO ORDERS_DSO		DSO ORDERS_DSO	
SIZE 77K;		USING(1729,1746)		USING(1819,1836)	
CREATE DSI ORDERS_92_DSI		ALLOCATE PRIME ON SP169		ALLOCATE PRIME ON SP177	
DSO ORDERS_DSO		SIZE 26168K	SP170	SIZE 6552K	SP178
USING(1639,1656)		SIZE 19632K,	OVERFLOW ON SP169 SIZE	SIZE 26168K	SP179
ALLOCATE PRIME ON SP160		310K	SP170	SIZE 13080K,	OVERFLOW ON SP177 SIZE
SIZE 19632K	SP161	SIZE 231K;		78K	SP178
SIZE 26168K,		CREATE DSI ORDERS_98_DSI		SIZE 309K	SP179
OVERFLOW ON SP160 SIZE		DSO ORDERS_DSO		SIZE 154K;	
232K	SP161	USING(1747,1764)		CREATE DSI ORDERS_103_DSI	
SIZE 309K;		ALLOCATE PRIME ON SP170		DSO ORDERS_DSO	
CREATE DSI ORDERS_93_DSI		SIZE 6552K	SP171	USING(1837,1854)	
DSO ORDERS_DSO		SIZE 26168K			
USING(1657,1674)					
ALLOCATE PRIME ON SP162					
SIZE 26168K	SP163				
SIZE 19632K,					

ALLOCATE PRIME ON SP179			
SIZE 13080K		CREATE DSI ORDERS_108_DSI	CREATE DSI ORDERS_113_DSI
	SP180	DSO ORDERS_DSO	DSO ORDERS_DSO
SIZE 26168K		USING(1927,1944)	USING(2017,2034)
	SP181	ALLOCATE PRIME ON SP188	ALLOCATE PRIME ON SP197
SIZE 6552K,		SIZE 19632K	SIZE 26168K
OVERFLOW ON SP179 SIZE			SP198
155K		SIZE 26168K,	SIZE 19632K,
	SP180	OVERFLOW ON SP188 SIZE	OVERFLOW ON SP197 SIZE
SIZE 309K		232K	310K
	SP181		SP198
SIZE 77K;		SIZE 309K;	SIZE 231K;
CREATE DSI ORDERS_104_DSI		CREATE DSI ORDERS_109_DSI	CREATE DSI ORDERS_114_DSI
DSO ORDERS_DSO		DSO ORDERS_DSO	DSO ORDERS_DSO
USING(1855,1872)		USING(1945,1962)	USING(2035,2052)
ALLOCATE PRIME ON SP181		ALLOCATE PRIME ON SP190	ALLOCATE PRIME ON SP198
SIZE 19632K		SIZE 26168K	SIZE 6552K
	SP182		SP199
SIZE 26168K,		SIZE 19632K,	SIZE 26168K
OVERFLOW ON SP181 SIZE		OVERFLOW ON SP190 SIZE	SP200
232K		310K	SIZE 13080K,
	SP182		OVERFLOW ON SP198 SIZE
SIZE 309K;		SIZE 231K;	78K
			SP199
CREATE DSI ORDERS_105_DSI		CREATE DSI ORDERS_110_DSI	SIZE 309K
DSO ORDERS_DSO		DSO ORDERS_DSO	SP200
USING(1873,1890)		USING(1963,1980)	
ALLOCATE PRIME ON SP183		ALLOCATE PRIME ON SP191	SIZE 154K;
SIZE 26168K		SIZE 6552K	CREATE DSI ORDERS_115_DSI
	SP184		DSO ORDERS_DSO
SIZE 19632K,		SIZE 26168K	USING(2053,2070)
OVERFLOW ON SP183 SIZE			ALLOCATE PRIME ON SP200
310K		SIZE 13080K,	SIZE 13080K
	SP184	OVERFLOW ON SP191 SIZE	SP201
SIZE 231K;		78K	SIZE 26168K
			SP202
CREATE DSI ORDERS_106_DSI		SIZE 309K	SIZE 6552K,
DSO ORDERS_DSO			OVERFLOW ON SP200 SIZE
USING(1891,1908)		SIZE 154K;	155K
ALLOCATE PRIME ON SP184			SP201
SIZE 6552K		CREATE DSI ORDERS_111_DSI	SIZE 309K
	SP185	DSO ORDERS_DSO	SP202
SIZE 26168K		USING(1981,1998)	
	SP186	ALLOCATE PRIME ON SP193	SIZE 77K;
SIZE 13080K,		SIZE 13080K	CREATE DSI ORDERS_116_DSI
OVERFLOW ON SP184 SIZE			DSO ORDERS_DSO
78K		SIZE 26168K	USING(2071,2088)
	SP185		ALLOCATE PRIME ON SP202
SIZE 309K		SIZE 6552K,	SIZE 19632K
	SP186	OVERFLOW ON SP193 SIZE	SP203
SIZE 154K;		155K	SIZE 26168K,
			OVERFLOW ON SP202 SIZE
CREATE DSI ORDERS_107_DSI		SIZE 309K	232K
DSO ORDERS_DSO			SP203
USING(1909,1926)		SIZE 77K;	
ALLOCATE PRIME ON SP186			SIZE 309K;
SIZE 13080K		CREATE DSI ORDERS_112_DSI	
	SP187	DSO ORDERS_DSO	CREATE DSI ORDERS_117_DSI
SIZE 26168K		USING(1999,2016)	DSO ORDERS_DSO
	SP188	ALLOCATE PRIME ON SP195	USING(2089,2106)
SIZE 6552K,		SIZE 19632K	ALLOCATE PRIME ON SP204
OVERFLOW ON SP186 SIZE			SIZE 26168K
155K		SIZE 26168K,	SP205
	SP187	OVERFLOW ON SP195 SIZE	SIZE 19632K,
SIZE 309K		232K	OVERFLOW ON SP204 SIZE
	SP188		310K
SIZE 77K;		SIZE 309K;	SP205
			SIZE 231K;

CREATE DSI ORDERS_118_DSI DSO ORDERS_DSO USING(2107,2124) ALLOCATE PRIME ON SP205	SIZE 309K	SP213	INDEX DSO ORDERS_IX_DSO BASE ORDERS_3_DSI ALLOCATE INDEX ON SP4 SIZE
SIZE 6552K			928K,
SIZE 26168K		SP214	BASE ON SP4 SIZE 7672K
SIZE 13080K, OVERFLOW ON SP205 SIZE	CREATE DSI ORDERS_123_DSI DSO ORDERS_DSO USING(2197,2214) ALLOCATE PRIME ON SP214		SP5
78K	SIZE 13080K	SP215	SIZE 15344K
SIZE 309K	SIZE 26168K	SP216	SIZE 3832K;
SIZE 154K;	SIZE 6552K, OVERFLOW ON SP214 SIZE		CREATE DSI ORDERS_IX_4_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_4_DSI ALLOCATE INDEX ON SP6 SIZE
CREATE DSI ORDERS_119_DSI DSO ORDERS_DSO USING(2125,2142) ALLOCATE PRIME ON SP207	155K	SP215	928K,
SIZE 13080K	SIZE 309K	SP216	BASE ON SP6 SIZE 11512K
SIZE 26168K	SIZE 77K;		SP7
SIZE 6552K, OVERFLOW ON SP207 SIZE	CREATE DSI ORDERS_124_DSI DSO ORDERS_DSO USING(2215,4464) ALLOCATE PRIME ON SP216		SIZE 15336K;
155K	SIZE 19632K	SP217	CREATE DSI ORDERS_IX_5_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_5_DSI ALLOCATE INDEX ON SP8 SIZE
SIZE 309K	SIZE 26168K, OVERFLOW ON SP216 SIZE		928K,
SIZE 77K;	232K	SP217	BASE ON SP8 SIZE 15344K
CREATE DSI ORDERS_120_DSI DSO ORDERS_DSO USING(2143,2160) ALLOCATE PRIME ON SP209	SIZE 309K;		SP9
SIZE 19632K	----- ----- -- * Phase.2-4b: Orders-IX ----- -----		SIZE 11504K;
SIZE 26168K, OVERFLOW ON SP209 SIZE	CREATE DSO ORDERS_IX_DSO INDEX ON TPCC_SCHEMA.ORDERS(O_W_ID,O_D_ID,O_C_ID) TYPE BTREE(PAGESIZE1(8),PAGESIZE2(32));		CREATE DSI ORDERS_IX_6_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_6_DSI ALLOCATE INDEX ON SP9 SIZE
232K			928K,
SIZE 309K;	CREATE DSI ORDERS_IX_1_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_1_DSI ALLOCATE INDEX ON SP1 SIZE		BASE ON SP9 SIZE 3840K
CREATE DSI ORDERS_121_DSI DSO ORDERS_DSO USING(2161,2178) ALLOCATE PRIME ON SP211	928K,		SP10
SIZE 26168K	BASE ON SP1 SIZE 15344K		SIZE 15344K
SIZE 19632K, OVERFLOW ON SP211 SIZE	SIZE 11504K;		SIZE 7664K;
310K	CREATE DSI ORDERS_IX_2_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_2_DSI ALLOCATE INDEX ON SP2 SIZE		CREATE DSI ORDERS_IX_7_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_7_DSI ALLOCATE INDEX ON SP11 SIZE
SIZE 231K;	928K,		928K,
CREATE DSI ORDERS_122_DSI DSO ORDERS_DSO USING(2179,2196) ALLOCATE PRIME ON SP212	BASE ON SP2 SIZE 3840K		BASE ON SP11 SIZE 7672K
SIZE 6552K	SP3		SP12
SIZE 26168K	SIZE 15344K		SIZE 15344K
SIZE 13080K, OVERFLOW ON SP212 SIZE	SIZE 7664K;		SIZE 3832K;
78K	CREATE DSI ORDERS_IX_3_DSI		CREATE DSI ORDERS_IX_8_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_8_DSI ALLOCATE INDEX ON SP13 SIZE
			928K,
			BASE ON SP13 SIZE
			11512K
			SIZE 15336K;
			CREATE DSI ORDERS_IX_9_DSI INDEX

DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_9\_DSI  
 ALLOCATE INDEX ON SP15 SIZE  
 928K,  
 BASE ON SP15 SIZE  
 15344K  
 SP16  
 SIZE 11504K;  
  
 CREATE DSI ORDERS\_IX\_10\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_10\_DSI  
 ALLOCATE INDEX ON SP16 SIZE  
 928K,  
 BASE ON SP16 SIZE 3840K  
 SP17  
 SIZE 15344K  
 SP18  
 SIZE 7664K;  
  
 CREATE DSI ORDERS\_IX\_11\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_11\_DSI  
 ALLOCATE INDEX ON SP18 SIZE  
 928K,  
 BASE ON SP18 SIZE 7672K  
 SP19  
 SIZE 15344K  
 SP20  
 SIZE 3832K;  
  
 CREATE DSI ORDERS\_IX\_12\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_12\_DSI  
 ALLOCATE INDEX ON SP20 SIZE  
 928K,  
 BASE ON SP20 SIZE  
 11512K  
 SP21  
 SIZE 15336K;  
  
 CREATE DSI ORDERS\_IX\_13\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_13\_DSI  
 ALLOCATE INDEX ON SP22 SIZE  
 928K,  
 BASE ON SP22 SIZE  
 15344K  
 SP23  
 SIZE 11504K;  
  
 CREATE DSI ORDERS\_IX\_14\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_14\_DSI  
 ALLOCATE INDEX ON SP23 SIZE  
 928K,  
 BASE ON SP23 SIZE 3840K  
 SP24  
 SIZE 15344K  
 SP25  
 SIZE 7664K;  
  
 CREATE DSI ORDERS\_IX\_15\_DSI

INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_15\_DSI  
 ALLOCATE INDEX ON SP25 SIZE  
 928K,  
 BASE ON SP25 SIZE 7672K  
 SP26  
 SIZE 15344K  
 SP27  
 SIZE 3832K;  
  
 CREATE DSI ORDERS\_IX\_16\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_16\_DSI  
 ALLOCATE INDEX ON SP27 SIZE  
 928K,  
 BASE ON SP27 SIZE  
 11512K  
 SP28  
 SIZE 15336K;  
  
 CREATE DSI ORDERS\_IX\_17\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_17\_DSI  
 ALLOCATE INDEX ON SP29 SIZE  
 928K,  
 BASE ON SP29 SIZE  
 15344K  
 SP30  
 SIZE 11504K;  
  
 CREATE DSI ORDERS\_IX\_18\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_18\_DSI  
 ALLOCATE INDEX ON SP30 SIZE  
 928K,  
 BASE ON SP30 SIZE 3840K  
 SP31  
 SIZE 15344K  
 SP32  
 SIZE 7664K;  
  
 CREATE DSI ORDERS\_IX\_19\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_19\_DSI  
 ALLOCATE INDEX ON SP32 SIZE  
 928K,  
 BASE ON SP32 SIZE 7672K  
 SP33  
 SIZE 15344K  
 SP34  
 SIZE 3832K;  
  
 CREATE DSI ORDERS\_IX\_20\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_20\_DSI  
 ALLOCATE INDEX ON SP34 SIZE  
 928K,  
 BASE ON SP34 SIZE  
 11512K  
 SP35  
 SIZE 15336K;

CREATE DSI ORDERS\_IX\_21\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_21\_DSI  
 ALLOCATE INDEX ON SP36 SIZE  
 928K,  
 BASE ON SP36 SIZE  
 15344K  
 SP37  
 SIZE 11504K;  
  
 CREATE DSI ORDERS\_IX\_22\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_22\_DSI  
 ALLOCATE INDEX ON SP37 SIZE  
 928K,  
 BASE ON SP37 SIZE 3840K  
 SP38  
 SIZE 15344K  
 SP39  
 SIZE 7664K;  
  
 CREATE DSI ORDERS\_IX\_23\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_23\_DSI  
 ALLOCATE INDEX ON SP39 SIZE  
 928K,  
 BASE ON SP39 SIZE 7672K  
 SP40  
 SIZE 15344K  
 SP41  
 SIZE 3832K;  
  
 CREATE DSI ORDERS\_IX\_24\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_24\_DSI  
 ALLOCATE INDEX ON SP41 SIZE  
 928K,  
 BASE ON SP41 SIZE  
 11512K  
 SP42  
 SIZE 15336K;  
  
 CREATE DSI ORDERS\_IX\_25\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_25\_DSI  
 ALLOCATE INDEX ON SP43 SIZE  
 928K,  
 BASE ON SP43 SIZE  
 15344K  
 SP44  
 SIZE 11504K;  
  
 CREATE DSI ORDERS\_IX\_26\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_26\_DSI  
 ALLOCATE INDEX ON SP44 SIZE  
 928K,  
 BASE ON SP44 SIZE 3840K  
 SP45  
 SIZE 15344K  
 SP46  
 SIZE 7664K;



<p>CREATE DSI ORDERS_IX_27_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_27_DSI ALLOCATE INDEX ON SP46 SIZE 928K, BASE ON SP46 SIZE 7672K SP47 SIZE 15344K SP48 SIZE 3832K;</p>	<p>SP56 SIZE 15336K; CREATE DSI ORDERS_IX_33_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_33_DSI ALLOCATE INDEX ON SP57 SIZE 928K, BASE ON SP57 SIZE 15344K SP58 SIZE 11504K;</p>	<p>SP66 SIZE 15344K SP67 SIZE 7664K; CREATE DSI ORDERS_IX_39_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_39_DSI ALLOCATE INDEX ON SP67 SIZE 928K, BASE ON SP67 SIZE 7672K SP68 SIZE 15344K SP69 SIZE 3832K;</p>
<p>CREATE DSI ORDERS_IX_28_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_28_DSI ALLOCATE INDEX ON SP48 SIZE 928K, BASE ON SP48 SIZE 11512K SP49 SIZE 15336K;</p>	<p>CREATE DSI ORDERS_IX_34_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_34_DSI ALLOCATE INDEX ON SP58 SIZE 928K, BASE ON SP58 SIZE 3840K SP59 SIZE 15344K SP60 SIZE 7664K;</p>	<p>CREATE DSI ORDERS_IX_40_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_40_DSI ALLOCATE INDEX ON SP69 SIZE 928K, BASE ON SP69 SIZE 11512K SP70 SIZE 15336K;</p>
<p>CREATE DSI ORDERS_IX_29_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_29_DSI ALLOCATE INDEX ON SP50 SIZE 928K, BASE ON SP50 SIZE 15344K SP51 SIZE 11504K;</p>	<p>CREATE DSI ORDERS_IX_35_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_35_DSI ALLOCATE INDEX ON SP60 SIZE 928K, BASE ON SP60 SIZE 7672K SP61 SIZE 15344K SP62 SIZE 3832K;</p>	<p>CREATE DSI ORDERS_IX_41_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_41_DSI ALLOCATE INDEX ON SP71 SIZE 928K, BASE ON SP71 SIZE 15344K SP72 SIZE 11504K;</p>
<p>CREATE DSI ORDERS_IX_30_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_30_DSI ALLOCATE INDEX ON SP51 SIZE 928K, BASE ON SP51 SIZE 3840K SP52 SIZE 15344K SP53 SIZE 7664K;</p>	<p>CREATE DSI ORDERS_IX_36_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_36_DSI ALLOCATE INDEX ON SP62 SIZE 928K, BASE ON SP62 SIZE 11512K SP63 SIZE 15336K;</p>	<p>CREATE DSI ORDERS_IX_42_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_42_DSI ALLOCATE INDEX ON SP72 SIZE 928K, BASE ON SP72 SIZE 3840K SP73 SIZE 15344K SP74 SIZE 7664K;</p>
<p>CREATE DSI ORDERS_IX_31_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_31_DSI ALLOCATE INDEX ON SP53 SIZE 928K, BASE ON SP53 SIZE 7672K SP54 SIZE 15344K SP55 SIZE 3832K;</p>	<p>CREATE DSI ORDERS_IX_37_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_37_DSI ALLOCATE INDEX ON SP64 SIZE 928K, BASE ON SP64 SIZE 15344K SP65 SIZE 11504K;</p>	<p>CREATE DSI ORDERS_IX_43_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_43_DSI ALLOCATE INDEX ON SP74 SIZE 928K, BASE ON SP74 SIZE 7672K SP75 SIZE 15344K SP76 SIZE 3832K;</p>
<p>CREATE DSI ORDERS_IX_32_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_32_DSI ALLOCATE INDEX ON SP55 SIZE 928K, BASE ON SP55 SIZE 11512K</p>	<p>CREATE DSI ORDERS_IX_38_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_38_DSI ALLOCATE INDEX ON SP65 SIZE 928K, BASE ON SP65 SIZE 3840K</p>	<p>CREATE DSI ORDERS_IX_44_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_44_DSI</p>

ALLOCATE INDEX ON SP76 SIZE  
 928K,  
 BASE ON SP76 SIZE  
 11512K  
 SIZE 15336K;  
 SP77  
 CREATE DSI ORDERS\_IX\_45\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_45\_DSI  
 ALLOCATE INDEX ON SP78 SIZE  
 928K,  
 BASE ON SP78 SIZE  
 15344K  
 SIZE 11504K;  
 SP79  
 CREATE DSI ORDERS\_IX\_46\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_46\_DSI  
 ALLOCATE INDEX ON SP79 SIZE  
 928K,  
 BASE ON SP79 SIZE 3840K  
 SP80  
 SIZE 15344K  
 SP81  
 SIZE 7664K;  
 CREATE DSI ORDERS\_IX\_47\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_47\_DSI  
 ALLOCATE INDEX ON SP81 SIZE  
 928K,  
 BASE ON SP81 SIZE 7672K  
 SP82  
 SIZE 15344K  
 SP83  
 SIZE 3832K;  
 CREATE DSI ORDERS\_IX\_48\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_48\_DSI  
 ALLOCATE INDEX ON SP83 SIZE  
 928K,  
 BASE ON SP83 SIZE  
 11512K  
 SIZE 15336K;  
 SP84  
 CREATE DSI ORDERS\_IX\_49\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_49\_DSI  
 ALLOCATE INDEX ON SP85 SIZE  
 928K,  
 BASE ON SP85 SIZE  
 15344K  
 SIZE 11504K;  
 SP86  
 CREATE DSI ORDERS\_IX\_50\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_50\_DSI

ALLOCATE INDEX ON SP86 SIZE  
 928K,  
 BASE ON SP86 SIZE 3840K  
 SP87  
 SIZE 15344K  
 SP88  
 SIZE 7664K;  
 CREATE DSI ORDERS\_IX\_51\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_51\_DSI  
 ALLOCATE INDEX ON SP88 SIZE  
 928K,  
 BASE ON SP88 SIZE 7672K  
 SP89  
 SIZE 15344K  
 SP90  
 SIZE 3832K;  
 CREATE DSI ORDERS\_IX\_52\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_52\_DSI  
 ALLOCATE INDEX ON SP90 SIZE  
 928K,  
 BASE ON SP90 SIZE  
 11512K  
 SP91  
 SIZE 15336K;  
 CREATE DSI ORDERS\_IX\_53\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_53\_DSI  
 ALLOCATE INDEX ON SP92 SIZE  
 928K,  
 BASE ON SP92 SIZE  
 15344K  
 SP93  
 SIZE 11504K;  
 CREATE DSI ORDERS\_IX\_54\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_54\_DSI  
 ALLOCATE INDEX ON SP93 SIZE  
 928K,  
 BASE ON SP93 SIZE 3840K  
 SP94  
 SIZE 15344K  
 SP95  
 SIZE 7664K;  
 CREATE DSI ORDERS\_IX\_55\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_55\_DSI  
 ALLOCATE INDEX ON SP95 SIZE  
 928K,  
 BASE ON SP95 SIZE 7672K  
 SP96  
 SIZE 15344K  
 SP97  
 SIZE 3832K;  
 CREATE DSI ORDERS\_IX\_56\_DSI  
 INDEX

DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_56\_DSI  
 ALLOCATE INDEX ON SP97 SIZE  
 928K,  
 BASE ON SP97 SIZE  
 11512K  
 SP98  
 SIZE 15336K;  
 CREATE DSI ORDERS\_IX\_57\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_57\_DSI  
 ALLOCATE INDEX ON SP99 SIZE  
 928K,  
 BASE ON SP99 SIZE  
 15344K  
 SP100  
 SIZE 11504K;  
 CREATE DSI ORDERS\_IX\_58\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_58\_DSI  
 ALLOCATE INDEX ON SP100 SIZE  
 928K,  
 BASE ON SP100 SIZE  
 3840K  
 SP101  
 SIZE 15344K  
 SP102  
 SIZE 7664K;  
 CREATE DSI ORDERS\_IX\_59\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_59\_DSI  
 ALLOCATE INDEX ON SP102 SIZE  
 928K,  
 BASE ON SP102 SIZE  
 7672K  
 SP103  
 SIZE 15344K  
 SP104  
 SIZE 3832K;  
 CREATE DSI ORDERS\_IX\_60\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_60\_DSI  
 ALLOCATE INDEX ON SP104 SIZE  
 928K,  
 BASE ON SP104 SIZE  
 11512K  
 SP105  
 SIZE 15336K;  
 CREATE DSI ORDERS\_IX\_61\_DSI  
 INDEX  
 DSO ORDERS\_IX\_DSO  
 BASE ORDERS\_61\_DSI  
 ALLOCATE INDEX ON SP106 SIZE  
 928K,  
 BASE ON SP106 SIZE  
 15344K  
 SP107  
 SIZE 11504K;

CREATE DSI ORDERS_IX_62_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_62_DSI ALLOCATE INDEX ON SP107 SIZE	7672K SIZE 15344K SIZE 3832K;	BASE ON SP116 SIZE SP117 SP118	DSO ORDERS_IX_DSO BASE ORDERS_73_DSI ALLOCATE INDEX ON SP127 SIZE
928K, BASE ON SP107 SIZE			928K, BASE ON SP127 SIZE
3840K SP108	CREATE DSI ORDERS_IX_68_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_68_DSI ALLOCATE INDEX ON SP118 SIZE		15344K SP128
SIZE 15344K SP109	928K, BASE ON SP118 SIZE		SIZE 11504K;
SIZE 7664K;	11512K SIZE 15336K;	SP119	CREATE DSI ORDERS_IX_74_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_74_DSI ALLOCATE INDEX ON SP128 SIZE
CREATE DSI ORDERS_IX_63_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_63_DSI ALLOCATE INDEX ON SP109 SIZE			928K, BASE ON SP128 SIZE
928K, BASE ON SP109 SIZE	CREATE DSI ORDERS_IX_69_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_69_DSI ALLOCATE INDEX ON SP120 SIZE		3840K SP129
7672K SP110	928K, BASE ON SP120 SIZE		SIZE 15344K SP130
SIZE 15344K SP111	15344K SIZE 11504K;	SP121	SIZE 7664K;
SIZE 3832K;	CREATE DSI ORDERS_IX_70_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_70_DSI ALLOCATE INDEX ON SP121 SIZE		CREATE DSI ORDERS_IX_75_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_75_DSI ALLOCATE INDEX ON SP130 SIZE
CREATE DSI ORDERS_IX_64_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_64_DSI ALLOCATE INDEX ON SP111 SIZE			928K, BASE ON SP130 SIZE
928K, BASE ON SP111 SIZE	928K, BASE ON SP121 SIZE		7672K SP131
11512K SP112	3840K SIZE 15344K SIZE 7664K;	SP122 SP123	SIZE 15344K SP132
SIZE 15336K;	CREATE DSI ORDERS_IX_71_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_71_DSI ALLOCATE INDEX ON SP123 SIZE		SIZE 3832K;
CREATE DSI ORDERS_IX_65_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_65_DSI ALLOCATE INDEX ON SP113 SIZE			CREATE DSI ORDERS_IX_76_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_76_DSI ALLOCATE INDEX ON SP132 SIZE
928K, BASE ON SP113 SIZE	928K, BASE ON SP123 SIZE		928K, BASE ON SP132 SIZE
15344K SP114	7672K SIZE 15344K SIZE 7664K;	SP124 SP125	11512K SP133
SIZE 11504K;	CREATE DSI ORDERS_IX_72_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_72_DSI ALLOCATE INDEX ON SP125 SIZE		SIZE 15336K;
CREATE DSI ORDERS_IX_66_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_66_DSI ALLOCATE INDEX ON SP114 SIZE			CREATE DSI ORDERS_IX_77_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_77_DSI ALLOCATE INDEX ON SP134 SIZE
928K, BASE ON SP114 SIZE	928K, BASE ON SP125 SIZE		928K, BASE ON SP134 SIZE
3840K SP115	11512K SIZE 15336K;	SP126	15344K SP135
SIZE 15344K SP116	CREATE DSI ORDERS_IX_73_DSI INDEX		SIZE 11504K;
SIZE 7664K;			CREATE DSI ORDERS_IX_78_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_78_DSI ALLOCATE INDEX ON SP135 SIZE
CREATE DSI ORDERS_IX_67_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_67_DSI ALLOCATE INDEX ON SP116 SIZE			928K, BASE ON SP135 SIZE
928K,			3840K SP136
			SIZE 15344K

SIZE 7664K;	SP137	ALLOCATE INDEX ON SP146 SIZE	DSO ORDERS_IX_DSO BASE ORDERS_90_DSI ALLOCATE INDEX ON SP156 SIZE
CREATE DSI ORDERS_IX_79_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_79_DSI ALLOCATE INDEX ON SP137 SIZE		928K, BASE ON SP146 SIZE	928K, BASE ON SP156 SIZE
928K, 7672K		11512K SP147	3840K SP157
SIZE 15344K	SP138	SIZE 15336K;	SIZE 15344K SP158
SIZE 3832K;	SP139	CREATE DSI ORDERS_IX_85_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_85_DSI ALLOCATE INDEX ON SP148 SIZE	CREATE DSI ORDERS_IX_91_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_91_DSI ALLOCATE INDEX ON SP158 SIZE
CREATE DSI ORDERS_IX_80_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_80_DSI ALLOCATE INDEX ON SP139 SIZE		928K, BASE ON SP148 SIZE	928K, BASE ON SP158 SIZE
928K, 11512K		15344K SP149	7672K SP159
SIZE 15336K;	SP140	SIZE 11504K;	SIZE 15344K SP160
CREATE DSI ORDERS_IX_81_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_81_DSI ALLOCATE INDEX ON SP141 SIZE		CREATE DSI ORDERS_IX_86_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_86_DSI ALLOCATE INDEX ON SP149 SIZE	SIZE 3832K;
928K, 15344K		928K, BASE ON SP149 SIZE	CREATE DSI ORDERS_IX_92_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_92_DSI ALLOCATE INDEX ON SP160 SIZE
SIZE 11504K;	SP142	3840K SP150	928K, BASE ON SP160 SIZE
CREATE DSI ORDERS_IX_82_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_82_DSI ALLOCATE INDEX ON SP142 SIZE		SIZE 15344K SP151	11512K SP161
928K, 3840K		SIZE 7664K;	SIZE 15336K;
SIZE 15344K	SP143	CREATE DSI ORDERS_IX_87_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_87_DSI ALLOCATE INDEX ON SP151 SIZE	CREATE DSI ORDERS_IX_93_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_93_DSI ALLOCATE INDEX ON SP162 SIZE
SIZE 7664K;	SP144	928K, BASE ON SP151 SIZE	928K, BASE ON SP162 SIZE
CREATE DSI ORDERS_IX_83_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_83_DSI ALLOCATE INDEX ON SP144 SIZE		7672K SP152	15344K SP163
928K, 7672K		SIZE 15344K SP153	SIZE 11504K;
SIZE 15344K	SP145	SIZE 3832K;	CREATE DSI ORDERS_IX_94_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_94_DSI ALLOCATE INDEX ON SP163 SIZE
SIZE 3832K;	SP146	CREATE DSI ORDERS_IX_88_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_88_DSI ALLOCATE INDEX ON SP153 SIZE	928K, BASE ON SP163 SIZE
CREATE DSI ORDERS_IX_84_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_84_DSI		928K, BASE ON SP153 SIZE	3840K SP164
		11512K SP154	SIZE 15344K SP165
		SIZE 15336K;	SIZE 7664K;
		CREATE DSI ORDERS_IX_89_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_89_DSI ALLOCATE INDEX ON SP155 SIZE	CREATE DSI ORDERS_IX_95_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_95_DSI ALLOCATE INDEX ON SP165 SIZE
		928K, BASE ON SP155 SIZE	928K, BASE ON SP165 SIZE
		15344K SP156	7672K
		SIZE 11504K;	
		CREATE DSI ORDERS_IX_90_DSI INDEX	

SIZE 15344K	SP166	ALLOCATE INDEX ON SP176 SIZE	CREATE DSI ORDERS_IX_107_DSI INDEX
SIZE 3832K;	SP167	928K, BASE ON SP176 SIZE	DSO ORDERS_IX_DSO BASE ORDERS_107_DSI ALLOCATE INDEX ON SP186 SIZE
CREATE DSI ORDERS_IX_96_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_96_DSI ALLOCATE INDEX ON SP167 SIZE		15344K	928K, BASE ON SP186 SIZE
928K, 11512K		SIZE 11504K;	7672K SP187
	SP168	CREATE DSI ORDERS_IX_102_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_102_DSI ALLOCATE INDEX ON SP177 SIZE	SIZE 15344K SP188
SIZE 15336K;		928K, BASE ON SP177 SIZE	SIZE 3832K;
CREATE DSI ORDERS_IX_97_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_97_DSI ALLOCATE INDEX ON SP169 SIZE		3840K	CREATE DSI ORDERS_IX_108_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_108_DSI ALLOCATE INDEX ON SP188 SIZE
928K, 15344K	SP170	SIZE 15344K	928K, BASE ON SP188 SIZE
SIZE 11504K;		SIZE 7664K;	11512K SP189
CREATE DSI ORDERS_IX_98_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_98_DSI ALLOCATE INDEX ON SP170 SIZE		928K, BASE ON SP179 SIZE	SIZE 15336K;
928K, 3840K	SP171	7672K	CREATE DSI ORDERS_IX_109_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_109_DSI ALLOCATE INDEX ON SP190 SIZE
SIZE 15344K	SP172	SIZE 15344K	928K, BASE ON SP190 SIZE
SIZE 7664K;		SIZE 3832K;	15344K SP191
CREATE DSI ORDERS_IX_99_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_99_DSI ALLOCATE INDEX ON SP172 SIZE		928K, BASE ON SP181 SIZE	SIZE 11504K;
928K, 7672K	SP173	11512K	CREATE DSI ORDERS_IX_110_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_110_DSI ALLOCATE INDEX ON SP191 SIZE
SIZE 15344K	SP174	SIZE 15336K;	928K, BASE ON SP191 SIZE
SIZE 3832K;		CREATE DSI ORDERS_IX_105_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_105_DSI ALLOCATE INDEX ON SP183 SIZE	3840K SP192
CREATE DSI ORDERS_IX_100_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_100_DSI ALLOCATE INDEX ON SP174 SIZE		928K, BASE ON SP183 SIZE	SIZE 15344K SP193
928K, 11512K	SP175	15344K	SIZE 7664K;
SIZE 15336K;		SIZE 11504K;	CREATE DSI ORDERS_IX_111_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_111_DSI ALLOCATE INDEX ON SP193 SIZE
CREATE DSI ORDERS_IX_101_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_101_DSI		CREATE DSI ORDERS_IX_106_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_106_DSI ALLOCATE INDEX ON SP184 SIZE	928K, BASE ON SP193 SIZE
		928K, BASE ON SP184 SIZE	7672K SP194
		3840K	SIZE 15344K SP195
		SIZE 15344K	SIZE 3832K;
		SIZE 7664K;	CREATE DSI ORDERS_IX_112_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_112_DSI ALLOCATE INDEX ON SP195 SIZE
			928K,

<p>BASE ON SP195 SIZE</p> <p>11512K</p> <p>SIZE 15336K;</p> <p>CREATE DSI ORDERS_IX_113_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_113_DSI ALLOCATE INDEX ON SP197 SIZE</p> <p>928K,</p> <p>BASE ON SP197 SIZE</p> <p>15344K</p> <p>SIZE 11504K;</p> <p>CREATE DSI ORDERS_IX_114_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_114_DSI ALLOCATE INDEX ON SP198 SIZE</p> <p>928K,</p> <p>BASE ON SP198 SIZE</p> <p>3840K</p> <p>SIZE 15344K</p> <p>SIZE 7664K;</p> <p>CREATE DSI ORDERS_IX_115_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_115_DSI ALLOCATE INDEX ON SP200 SIZE</p> <p>928K,</p> <p>BASE ON SP200 SIZE</p> <p>7672K</p> <p>SIZE 15344K</p> <p>SIZE 3832K;</p> <p>CREATE DSI ORDERS_IX_116_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_116_DSI ALLOCATE INDEX ON SP202 SIZE</p> <p>928K,</p> <p>BASE ON SP202 SIZE</p> <p>11512K</p> <p>SIZE 15336K;</p> <p>CREATE DSI ORDERS_IX_117_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_117_DSI ALLOCATE INDEX ON SP204 SIZE</p> <p>928K,</p> <p>BASE ON SP204 SIZE</p> <p>15344K</p> <p>SIZE 11504K;</p> <p>CREATE DSI ORDERS_IX_118_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_118_DSI</p>	<p>ALLOCATE INDEX ON SP205 SIZE</p> <p>928K,</p> <p>BASE ON SP205 SIZE</p> <p>3840K</p> <p>SIZE 15344K</p> <p>SIZE 7664K;</p> <p>CREATE DSI ORDERS_IX_119_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_119_DSI ALLOCATE INDEX ON SP207 SIZE</p> <p>928K,</p> <p>BASE ON SP207 SIZE</p> <p>7672K</p> <p>SIZE 15344K</p> <p>SIZE 3832K;</p> <p>CREATE DSI ORDERS_IX_120_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_120_DSI ALLOCATE INDEX ON SP209 SIZE</p> <p>928K,</p> <p>BASE ON SP209 SIZE</p> <p>11512K</p> <p>SIZE 15336K;</p> <p>CREATE DSI ORDERS_IX_121_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_121_DSI ALLOCATE INDEX ON SP211 SIZE</p> <p>928K,</p> <p>BASE ON SP211 SIZE</p> <p>15344K</p> <p>SIZE 11504K;</p> <p>CREATE DSI ORDERS_IX_122_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_122_DSI ALLOCATE INDEX ON SP212 SIZE</p> <p>928K,</p> <p>BASE ON SP212 SIZE</p> <p>3840K</p> <p>SIZE 15344K</p> <p>SIZE 7664K;</p> <p>CREATE DSI ORDERS_IX_123_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_123_DSI ALLOCATE INDEX ON SP214 SIZE</p> <p>928K,</p> <p>BASE ON SP214 SIZE</p> <p>7672K</p> <p>SIZE 15344K</p>	<p>SP216</p> <p>SIZE 3832K;</p> <p>CREATE DSI ORDERS_IX_124_DSI INDEX DSO ORDERS_IX_DSO BASE ORDERS_124_DSI ALLOCATE INDEX ON SP216 SIZE</p> <p>928K,</p> <p>BASE ON SP216 SIZE</p> <p>11512K</p> <p>SIZE 15336K;</p> <p>----- -- * Phase.2-8: Stock -----</p> <p>CREATE DSO STOCK_DSO FROM TPCC_SCHEMA.STOCK TYPE RANDOM(PAGESIZE1(4),PAGESIZE2(1), RULE(S_ID*4+(S_W_ID- 1)/9+(S_W_ID-S_W_ID/9*9)*400000)) WHERE (S_W_ID) BETWEEN (?) AND (?);</p> <p>CREATE DSI STOCK_1_DSI DSO STOCK_DSO USING(1,36) ALLOCATE PRIME ON SP1 SIZE</p> <p>228572K</p> <p>SP2</p> <p>SIZE 228572K</p> <p>SP3</p> <p>SIZE 228572K</p> <p>SP4</p> <p>SIZE 228572K</p> <p>SP5</p> <p>SIZE 228572K</p> <p>SP6</p> <p>SIZE 228572K</p> <p>SP7</p> <p>SIZE 228572K,</p> <p>OVERFLOW ON SP6 SIZE</p> <p>80001K;</p> <p>CREATE DSI STOCK_2_DSI DSO STOCK_DSO USING(37,72) ALLOCATE PRIME ON SP1 SIZE</p> <p>228572K</p> <p>SP2</p> <p>SIZE 228572K</p> <p>SP3</p> <p>SIZE 228572K</p> <p>SP4</p> <p>SIZE 228572K</p> <p>SP5</p> <p>SIZE 228572K</p> <p>SP6</p> <p>SIZE 228572K</p> <p>SP7</p> <p>SIZE 228572K,</p> <p>OVERFLOW ON SP7 SIZE</p> <p>80001K;</p>
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CREATE DSI STOCK_3_DSI DSO STOCK_DSO USING(73,108) ALLOCATE PRIME ON SP8 SIZE 228572K	SP17	SIZE 228572K	SP35
	SP18	SIZE 228572K	OVERFLOW ON SP34 SIZE
	SP19	SIZE 228572K	80001K;
SIZE 228572K	SP20	SIZE 228572K	CREATE DSI STOCK_10_DSI DSO STOCK_DSO USING(325,360) ALLOCATE PRIME ON SP29 SIZE
SIZE 228572K	SP21	SIZE 228572K,	228572K
SIZE 228572K		OVERFLOW ON SP21 SIZE	SP30
SIZE 228572K		80001K;	SIZE 228572K
SIZE 228572K		CREATE DSI STOCK_7_DSI DSO STOCK_DSO USING(217,252) ALLOCATE PRIME ON SP22 SIZE	SP31
SIZE 228572K,		228572K	SIZE 228572K
OVERFLOW ON SP13 SIZE			SP32
80001K;			SIZE 228572K
	SP23	SIZE 228572K	SP33
CREATE DSI STOCK_4_DSI DSO STOCK_DSO USING(109,144) ALLOCATE PRIME ON SP8 SIZE 228572K	SP24	SIZE 228572K	SP34
	SP25	SIZE 228572K	SIZE 228572K
SIZE 228572K	SP26	SIZE 228572K	SP35
SIZE 228572K	SP27	SIZE 228572K	SIZE 228572K,
SIZE 228572K	SP28	SIZE 228572K,	OVERFLOW ON SP35 SIZE
SIZE 228572K		OVERFLOW ON SP27 SIZE	80001K;
SIZE 228572K		80001K;	CREATE DSI STOCK_11_DSI DSO STOCK_DSO USING(361,396) ALLOCATE PRIME ON SP36 SIZE
SIZE 228572K,		CREATE DSI STOCK_8_DSI DSO STOCK_DSO USING(253,288) ALLOCATE PRIME ON SP22 SIZE	228572K
OVERFLOW ON SP14 SIZE		228572K	SP37
80001K;			SIZE 228572K
	SP23	SIZE 228572K	SP38
CREATE DSI STOCK_5_DSI DSO STOCK_DSO USING(145,180) ALLOCATE PRIME ON SP15 SIZE 228572K	SP24	SIZE 228572K	SIZE 228572K
	SP25	SIZE 228572K	SP39
SIZE 228572K	SP26	SIZE 228572K	SIZE 228572K
SIZE 228572K	SP27	SIZE 228572K	SIZE 228572K,
SIZE 228572K	SP28	SIZE 228572K,	OVERFLOW ON SP41 SIZE
SIZE 228572K		OVERFLOW ON SP28 SIZE	80001K;
SIZE 228572K		80001K;	CREATE DSI STOCK_12_DSI DSO STOCK_DSO USING(397,432) ALLOCATE PRIME ON SP36 SIZE
SIZE 228572K		CREATE DSI STOCK_9_DSI DSO STOCK_DSO USING(289,324) ALLOCATE PRIME ON SP29 SIZE	228572K
SIZE 228572K,		228572K	SP37
OVERFLOW ON SP20 SIZE			SIZE 228572K
80001K;			SP38
	SP30	SIZE 228572K	SIZE 228572K
CREATE DSI STOCK_6_DSI DSO STOCK_DSO USING(181,216) ALLOCATE PRIME ON SP15 SIZE 228572K	SP31	SIZE 228572K	SP39
	SP32	SIZE 228572K	SIZE 228572K
SIZE 228572K	SP33	SIZE 228572K	SP40
SIZE 228572K	SP34	SIZE 228572K	SIZE 228572K,
		SIZE 228572K	OVERFLOW ON SP42 SIZE
		SIZE 228572K	80001K;
		SIZE 228572K	CREATE DSI STOCK_13_DSI DSO STOCK_DSO USING(433,468)

ALLOCATE PRIME ON SP43 SIZE  
 228572K  
 SIZE 228572K SP44  
 SIZE 228572K SP45  
 SIZE 228572K SP46  
 SIZE 228572K SP47  
 SIZE 228572K SP48  
 SIZE 228572K SP49  
 SIZE 228572K,  
 OVERFLOW ON SP48 SIZE  
 80001K;  
 CREATE DSI STOCK\_14\_DSI  
 DSO STOCK\_DSO  
 USING(469,504)  
 ALLOCATE PRIME ON SP43 SIZE  
 228572K  
 SIZE 228572K SP44  
 SIZE 228572K SP45  
 SIZE 228572K SP46  
 SIZE 228572K SP47  
 SIZE 228572K SP48  
 SIZE 228572K SP49  
 SIZE 228572K,  
 OVERFLOW ON SP49 SIZE  
 80001K;  
 CREATE DSI STOCK\_15\_DSI  
 DSO STOCK\_DSO  
 USING(505,540)  
 ALLOCATE PRIME ON SP50 SIZE  
 228572K  
 SIZE 228572K SP51  
 SIZE 228572K SP52  
 SIZE 228572K SP53  
 SIZE 228572K SP54  
 SIZE 228572K SP55  
 SIZE 228572K SP56  
 SIZE 228572K,  
 OVERFLOW ON SP55 SIZE  
 80001K;  
 CREATE DSI STOCK\_16\_DSI  
 DSO STOCK\_DSO  
 USING(541,576)  
 ALLOCATE PRIME ON SP50 SIZE  
 228572K  
 SIZE 228572K SP51  
 SIZE 228572K SP52  
 SIZE 228572K SP53  
 SIZE 228572K

SP54  
 SIZE 228572K  
 SIZE 228572K  
 SIZE 228572K,  
 OVERFLOW ON SP56 SIZE  
 80001K;  
 CREATE DSI STOCK\_17\_DSI  
 DSO STOCK\_DSO  
 USING(577,612)  
 ALLOCATE PRIME ON SP57 SIZE  
 228572K  
 SIZE 228572K SP58  
 SIZE 228572K SP59  
 SIZE 228572K SP60  
 SIZE 228572K SP61  
 SIZE 228572K SP62  
 SIZE 228572K SP63  
 SIZE 228572K,  
 OVERFLOW ON SP62 SIZE  
 80001K;  
 CREATE DSI STOCK\_18\_DSI  
 DSO STOCK\_DSO  
 USING(613,648)  
 ALLOCATE PRIME ON SP57 SIZE  
 228572K  
 SIZE 228572K SP58  
 SIZE 228572K SP59  
 SIZE 228572K SP60  
 SIZE 228572K SP61  
 SIZE 228572K SP62  
 SIZE 228572K SP63  
 SIZE 228572K,  
 OVERFLOW ON SP63 SIZE  
 80001K;  
 CREATE DSI STOCK\_19\_DSI  
 DSO STOCK\_DSO  
 USING(649,684)  
 ALLOCATE PRIME ON SP64 SIZE  
 228572K  
 SIZE 228572K SP65  
 SIZE 228572K SP66  
 SIZE 228572K SP67  
 SIZE 228572K SP68  
 SIZE 228572K SP69  
 SIZE 228572K,  
 OVERFLOW ON SP69 SIZE  
 80001K;

CREATE DSI STOCK\_20\_DSI  
 DSO STOCK\_DSO  
 USING(685,720)  
 ALLOCATE PRIME ON SP64 SIZE  
 228572K  
 SIZE 228572K SP65  
 SIZE 228572K SP66  
 SIZE 228572K SP67  
 SIZE 228572K SP68  
 SIZE 228572K SP69  
 SIZE 228572K SP70  
 SIZE 228572K,  
 OVERFLOW ON SP70 SIZE  
 80001K;  
 CREATE DSI STOCK\_21\_DSI  
 DSO STOCK\_DSO  
 USING(721,756)  
 ALLOCATE PRIME ON SP71 SIZE  
 228572K  
 SIZE 228572K SP72  
 SIZE 228572K SP73  
 SIZE 228572K SP74  
 SIZE 228572K SP75  
 SIZE 228572K SP76  
 SIZE 228572K SP77  
 SIZE 228572K,  
 OVERFLOW ON SP76 SIZE  
 80001K;  
 CREATE DSI STOCK\_22\_DSI  
 DSO STOCK\_DSO  
 USING(757,792)  
 ALLOCATE PRIME ON SP71 SIZE  
 228572K  
 SIZE 228572K SP72  
 SIZE 228572K SP73  
 SIZE 228572K SP74  
 SIZE 228572K SP75  
 SIZE 228572K SP76  
 SIZE 228572K SP77  
 SIZE 228572K,  
 OVERFLOW ON SP77 SIZE  
 80001K;  
 CREATE DSI STOCK\_23\_DSI  
 DSO STOCK\_DSO  
 USING(793,828)  
 ALLOCATE PRIME ON SP78 SIZE  
 228572K  
 SIZE 228572K SP79



	SP80		SP91	ALLOCATE PRIME ON SP99 SIZE	
SIZE 228572K		SIZE 228572K,		228572K	
	SP81	OVERFLOW ON SP91 SIZE			SP100
SIZE 228572K		80001K;		SIZE 228572K	
	SP82				SP101
SIZE 228572K		CREATE DSI STOCK_27_DSI		SIZE 228572K	
	SP83	DSO STOCK_DSO		SIZE 228572K	SP102
SIZE 228572K		USING(937,972)		SIZE 228572K	
	SP84	ALLOCATE PRIME ON SP92 SIZE		SIZE 228572K	SP103
SIZE 228572K,		228572K		SIZE 228572K	
OVERFLOW ON SP83 SIZE			SP93	SIZE 228572K	SP104
80001K;				SIZE 228572K	
			SP94	SIZE 228572K,	SP105
CREATE DSI STOCK_24_DSI		SIZE 228572K		OVERFLOW ON SP105 SIZE	
DSO STOCK_DSO		SIZE 228572K			
USING(829,864)			SP95		
ALLOCATE PRIME ON SP78 SIZE		SIZE 228572K		80001K;	
228572K			SP96		
	SP79			CREATE DSI STOCK_31_DSI	
SIZE 228572K		SIZE 228572K		DSO STOCK_DSO	
	SP80			USING(1081,1116)	
SIZE 228572K		SIZE 228572K,		ALLOCATE PRIME ON SP106	
	SP81	OVERFLOW ON SP97 SIZE		SIZE 228572K	SP107
SIZE 228572K		80001K;		SIZE 228572K	
	SP82				SP108
SIZE 228572K		CREATE DSI STOCK_28_DSI		SIZE 228572K	
	SP83	DSO STOCK_DSO		SIZE 228572K	SP109
SIZE 228572K		USING(973,1008)		SIZE 228572K	
	SP84	ALLOCATE PRIME ON SP92 SIZE		SIZE 228572K	SP110
SIZE 228572K,		228572K		SIZE 228572K	
OVERFLOW ON SP84 SIZE			SP93	SIZE 228572K	SP111
80001K;				SIZE 228572K	
			SP94	SIZE 228572K,	SP112
CREATE DSI STOCK_25_DSI		SIZE 228572K		OVERFLOW ON SP111 SIZE	
DSO STOCK_DSO		SIZE 228572K			
USING(865,900)			SP95	80001K;	
ALLOCATE PRIME ON SP85 SIZE		SIZE 228572K			
228572K			SP96	CREATE DSI STOCK_32_DSI	
	SP86			DSO STOCK_DSO	
SIZE 228572K		SIZE 228572K		USING(1117,1152)	
	SP87			ALLOCATE PRIME ON SP106	
SIZE 228572K		SIZE 228572K,		SIZE 228572K	
	SP88	OVERFLOW ON SP98 SIZE			SP107
SIZE 228572K		80001K;		SIZE 228572K	
	SP89				SP108
SIZE 228572K		CREATE DSI STOCK_29_DSI		SIZE 228572K	
	SP90	DSO STOCK_DSO		SIZE 228572K	SP109
SIZE 228572K		USING(1009,1044)		SIZE 228572K	
	SP91	ALLOCATE PRIME ON SP99 SIZE		SIZE 228572K	SP110
SIZE 228572K,		228572K		SIZE 228572K	
OVERFLOW ON SP90 SIZE			SP100	SIZE 228572K	SP111
80001K;				SIZE 228572K	
			SP101	SIZE 228572K,	SP112
CREATE DSI STOCK_26_DSI		SIZE 228572K		OVERFLOW ON SP112 SIZE	
DSO STOCK_DSO		SIZE 228572K			
USING(901,936)			SP102	80001K;	
ALLOCATE PRIME ON SP85 SIZE		SIZE 228572K			
228572K			SP103	CREATE DSI STOCK_33_DSI	
	SP86			DSO STOCK_DSO	
SIZE 228572K		SIZE 228572K		USING(1153,1188)	
	SP87			ALLOCATE PRIME ON SP113	
SIZE 228572K		SIZE 228572K,		SIZE 228572K	
	SP88	OVERFLOW ON SP104 SIZE			SP114
SIZE 228572K		80001K;		SIZE 228572K	
	SP89				SP115
SIZE 228572K		CREATE DSI STOCK_30_DSI		SIZE 228572K	
	SP90	DSO STOCK_DSO		SIZE 228572K	SP116
SIZE 228572K		USING(1045,1080)		SIZE 228572K	

SIZE 228572K	SP117	CREATE DSI STOCK_37_DSI	SIZE 228572K	SP136
	SP118	DSO STOCK_DSO	SIZE 228572K	SP137
SIZE 228572K	SP119	USING(1297,1332)	SIZE 228572K	SP138
SIZE 228572K,		ALLOCATE PRIME ON SP127	SIZE 228572K	SP139
OVERFLOW ON SP118 SIZE			SIZE 228572K	SP140
80001K;			SIZE 228572K,	
			OVERFLOW ON SP140 SIZE	
			80001K;	
			CREATE DSI STOCK_41_DSI	
			DSO STOCK_DSO	
			USING(1441,1476)	
			ALLOCATE PRIME ON SP141	
			SIZE 228572K	
				SP142
			SIZE 228572K	SP143
			SIZE 228572K	SP144
			SIZE 228572K	SP145
			SIZE 228572K	SP146
			SIZE 228572K	SP147
			SIZE 228572K,	
			OVERFLOW ON SP146 SIZE	
			80001K;	
			CREATE DSI STOCK_42_DSI	
			DSO STOCK_DSO	
			USING(1477,1512)	
			ALLOCATE PRIME ON SP141	
			SIZE 228572K	
				SP142
			SIZE 228572K	SP143
			SIZE 228572K	SP144
			SIZE 228572K	SP145
			SIZE 228572K	SP146
			SIZE 228572K	SP147
			SIZE 228572K,	
			OVERFLOW ON SP147 SIZE	
			80001K;	
			CREATE DSI STOCK_43_DSI	
			DSO STOCK_DSO	
			USING(1513,1548)	
			ALLOCATE PRIME ON SP148	
			SIZE 228572K	
				SP149
			SIZE 228572K	SP150
			SIZE 228572K	SP151
			SIZE 228572K	SP152
			SIZE 228572K	SP153
			SIZE 228572K	
			CREATE DSI STOCK_38_DSI	
			DSO STOCK_DSO	
			USING(1333,1368)	
			ALLOCATE PRIME ON SP127	
			SIZE 228572K	
				SP128
			SIZE 228572K	SP129
			SIZE 228572K	SP130
			SIZE 228572K	SP131
			SIZE 228572K	SP132
			SIZE 228572K,	
			OVERFLOW ON SP132 SIZE	
			80001K;	
			CREATE DSI STOCK_39_DSI	
			DSO STOCK_DSO	
			USING(1369,1404)	
			ALLOCATE PRIME ON SP134	
			SIZE 228572K	
				SP135
			SIZE 228572K	SP136
			SIZE 228572K	SP137
			SIZE 228572K	SP138
			SIZE 228572K	SP139
			SIZE 228572K,	
			OVERFLOW ON SP139 SIZE	
			80001K;	
			CREATE DSI STOCK_40_DSI	
			DSO STOCK_DSO	
			USING(1405,1440)	
			ALLOCATE PRIME ON SP134	
			SIZE 228572K	
				SP135
			SIZE 228572K	

SP154	ALLOCATE PRIME ON SP162	SP173
SIZE 228572K,	SIZE 228572K	SIZE 228572K
OVERFLOW ON SP153 SIZE	SP163	SP174
80001K;	SIZE 228572K	SP175
CREATE DSI STOCK_44_DSI	SP164	SP175
DSO STOCK_DSO	SP165	OVERFLOW ON SP175 SIZE
USING(1549,1584)	SP166	80001K;
ALLOCATE PRIME ON SP148	SP167	CREATE DSI STOCK_51_DSI
SIZE 228572K	SP168	DSO STOCK_DSO
SP149	OVERFLOW ON SP167 SIZE	USING(1801,1836)
SIZE 228572K	80001K;	ALLOCATE PRIME ON SP176
SP150	CREATE DSI STOCK_48_DSI	SIZE 228572K
SIZE 228572K	DSO STOCK_DSO	SP177
SP151	USING(1693,1728)	SIZE 228572K
SIZE 228572K	ALLOCATE PRIME ON SP162	SP178
SP152	SIZE 228572K	SP179
SIZE 228572K	SP163	SP180
SP153	SP164	SP181
SIZE 228572K	SP165	SP182
SP154	SP166	SP182
SIZE 228572K,	SP167	OVERFLOW ON SP181 SIZE
OVERFLOW ON SP154 SIZE	SP168	80001K;
80001K;	OVERFLOW ON SP168 SIZE	CREATE DSI STOCK_52_DSI
CREATE DSI STOCK_45_DSI	80001K;	DSO STOCK_DSO
DSO STOCK_DSO	CREATE DSI STOCK_49_DSI	USING(1837,1872)
USING(1585,1620)	DSO STOCK_DSO	ALLOCATE PRIME ON SP176
ALLOCATE PRIME ON SP155	USING(1729,1764)	SIZE 228572K
SIZE 228572K	ALLOCATE PRIME ON SP169	SP177
SP156	SIZE 228572K	SP178
SIZE 228572K	SP170	SP179
SP157	SP171	SP180
SIZE 228572K	SP172	SP181
SP158	SP173	SP182
SIZE 228572K	SP174	SP182
SP159	SP175	OVERFLOW ON SP182 SIZE
SIZE 228572K	OVERFLOW ON SP174 SIZE	80001K;
SP160	80001K;	CREATE DSI STOCK_53_DSI
SIZE 228572K	CREATE DSI STOCK_50_DSI	DSO STOCK_DSO
SP161	DSO STOCK_DSO	USING(1873,1908)
SIZE 228572K,	USING(1765,1800)	ALLOCATE PRIME ON SP183
OVERFLOW ON SP160 SIZE	ALLOCATE PRIME ON SP169	SIZE 228572K
80001K;	SIZE 228572K	SP184
CREATE DSI STOCK_46_DSI	SP170	SP185
DSO STOCK_DSO	SP171	SP185
USING(1621,1656)	SP172	SP186
ALLOCATE PRIME ON SP155	SP173	SP187
SIZE 228572K	SP174	SP187
SP156	SP175	SP188
SIZE 228572K	OVERFLOW ON SP174 SIZE	SP189
SP157	80001K;	SP189
SIZE 228572K	CREATE DSI STOCK_50_DSI	OVERFLOW ON SP188 SIZE
SP158	DSO STOCK_DSO	80001K;
SIZE 228572K	USING(1765,1800)	TPC Benchmark C Full Disclosure
SP159	ALLOCATE PRIME ON SP169	
SIZE 228572K	SIZE 228572K	
SP160	SP170	
SIZE 228572K	SP171	
SP161	SP172	
SIZE 228572K,	SIZE 228572K	
OVERFLOW ON SP161 SIZE	SIZE 228572K	
80001K;	SIZE 228572K	
CREATE DSI STOCK_47_DSI	SIZE 228572K	
DSO STOCK_DSO	SIZE 228572K	
USING(1657,1692)	SIZE 228572K	

CREATE DSI STOCK_54_DSI DSO STOCK_DSO USING(1909,1944) ALLOCATE PRIME ON SP183	SIZE 228572K	SP199	SIZE 228572K,	SP210
SIZE 228572K	SIZE 228572K	SP200	OVERFLOW ON SP210 SIZE	
SIZE 228572K	SIZE 228572K	SP201	80001K;	
SIZE 228572K	SIZE 228572K	SP202	CREATE DSI STOCK_61_DSI DSO STOCK_DSO USING(2161,2196) ALLOCATE PRIME ON SP211	
SIZE 228572K	SIZE 228572K,	SP203	SIZE 228572K	SP212
SIZE 228572K	OVERFLOW ON SP202 SIZE		SIZE 228572K	SP213
SIZE 228572K	80001K;		SIZE 228572K	SP214
SIZE 228572K	CREATE DSI STOCK_58_DSI DSO STOCK_DSO USING(2053,2088) ALLOCATE PRIME ON SP197		SIZE 228572K	SP215
SIZE 228572K,	SIZE 228572K	SP198	SIZE 228572K	SP216
OVERFLOW ON SP189 SIZE	SIZE 228572K	SP199	SIZE 228572K	SP217
80001K;	SIZE 228572K	SP200	SIZE 228572K,	
CREATE DSI STOCK_55_DSI DSO STOCK_DSO USING(1945,1980) ALLOCATE PRIME ON SP190	SIZE 228572K	SP201	OVERFLOW ON SP216 SIZE	
SIZE 228572K	SIZE 228572K	SP202	80001K;	
SIZE 228572K	SIZE 228572K	SP203	CREATE DSI STOCK_62_DSI DSO STOCK_DSO USING(2197,4464) ALLOCATE PRIME ON SP211	
SIZE 228572K	SIZE 228572K,		SIZE 228572K	SP212
SIZE 228572K	OVERFLOW ON SP203 SIZE		SIZE 228572K	SP213
SIZE 228572K	80001K;		SIZE 228572K	SP214
SIZE 228572K	CREATE DSI STOCK_59_DSI DSO STOCK_DSO USING(2089,2124) ALLOCATE PRIME ON SP204		SIZE 228572K	SP215
SIZE 228572K,	SIZE 228572K	SP205	SIZE 228572K	SP216
OVERFLOW ON SP195 SIZE	SIZE 228572K	SP206	SIZE 228572K	SP217
80001K;	SIZE 228572K	SP207	SIZE 228572K,	
CREATE DSI STOCK_56_DSI DSO STOCK_DSO USING(1981,2016) ALLOCATE PRIME ON SP190	SIZE 228572K	SP208	OVERFLOW ON SP217 SIZE	
SIZE 228572K	SIZE 228572K	SP209	80001K;	
SIZE 228572K	SIZE 228572K	SP210	-----	
SIZE 228572K	SIZE 228572K,		-- * Phase.2-3a: Customer	
SIZE 228572K	OVERFLOW ON SP209 SIZE		-----	
SIZE 228572K	80001K;		CREATE DSO CUSTOMER_DSO FROM TPCC_SCHEMA.CUSTOMER TYPE RANDOM(PAGESIZE1(8),PAGESIZE2(1), RULE(C_ID*18+C_W_ID+C_D_ID*54000)) WHERE (C_W_ID) BETWEEN (?) AND (?);	
SIZE 228572K,	CREATE DSI STOCK_60_DSI DSO STOCK_DSO USING(2125,2160) ALLOCATE PRIME ON SP204	SP205		
OVERFLOW ON SP196 SIZE	SIZE 228572K	SP206	CREATE DSI CUSTOMER_1_DSI DSO CUSTOMER_DSO USING(1,18) ALLOCATE PRIME ON SP1 SIZE	
80001K;	SIZE 228572K	SP207	246864K	SP2
CREATE DSI STOCK_57_DSI DSO STOCK_DSO USING(2017,2052) ALLOCATE PRIME ON SP197	SIZE 228572K	SP208	SIZE 185144K,	
SIZE 228572K	SIZE 228572K	SP209	OVERFLOW ON SP1 SIZE	
SIZE 228572K	SIZE 228572K		12344K	

SIZE 9257K;	SP2	3087K	OVERFLOW ON SP9 SIZE	SIZE 246856K	SP19
CREATE DSI CUSTOMER_2_DSI DSO CUSTOMER_DSO USING(19,36) ALLOCATE PRIME ON SP2 SIZE		SIZE 12343K	SP10	SIZE 61720K,	SP20
61720K		SIZE 6171K;	SP11	6172K	OVERFLOW ON SP18 SIZE
SIZE 246856K	SP3	CREATE DSI CUSTOMER_7_DSI DSO CUSTOMER_DSO USING(109,126) ALLOCATE PRIME ON SP11 SIZE		SIZE 12343K	SP19
SIZE 123432K,	SP4	123432K		SIZE 3086K;	SP20
3087K		SIZE 246856K	SP12	CREATE DSI CUSTOMER_12_DSI DSO CUSTOMER_DSO USING(199,216) ALLOCATE PRIME ON SP20 SIZE	
SIZE 12343K	SP3	SIZE 61720K,	SP13	185144K	
SIZE 6171K;	SP4	6172K	OVERFLOW ON SP11 SIZE	SIZE 246864K,	SP21
CREATE DSI CUSTOMER_3_DSI DSO CUSTOMER_DSO USING(37,54) ALLOCATE PRIME ON SP4 SIZE		SIZE 12343K	SP12	9258K	OVERFLOW ON SP20 SIZE
123432K		SIZE 3086K;	SP13	SIZE 12343K;	SP21
SIZE 246856K	SP5	CREATE DSI CUSTOMER_8_DSI DSO CUSTOMER_DSO USING(127,144) ALLOCATE PRIME ON SP13 SIZE		CREATE DSI CUSTOMER_13_DSI DSO CUSTOMER_DSO USING(217,234) ALLOCATE PRIME ON SP22 SIZE	
SIZE 61720K,	SP6	185144K		246864K	
6172K		SIZE 246864K,	SP14	SIZE 185144K,	SP23
SIZE 12343K	SP5	9258K	OVERFLOW ON SP13 SIZE	12344K	OVERFLOW ON SP22 SIZE
SIZE 3086K;	SP6	SIZE 12343K;	SP14	SIZE 9257K;	SP23
CREATE DSI CUSTOMER_4_DSI DSO CUSTOMER_DSO USING(55,72) ALLOCATE PRIME ON SP6 SIZE		CREATE DSI CUSTOMER_9_DSI DSO CUSTOMER_DSO USING(145,162) ALLOCATE PRIME ON SP15 SIZE		CREATE DSI CUSTOMER_14_DSI DSO CUSTOMER_DSO USING(235,252) ALLOCATE PRIME ON SP23 SIZE	
185144K		246864K		61720K	
SIZE 246864K,	SP7	SIZE 185144K,	SP16	SIZE 246856K	SP24
9258K		12344K	OVERFLOW ON SP15 SIZE	SIZE 123432K,	SP25
SIZE 12343K;	SP7	SIZE 9257K;	SP16	3087K	OVERFLOW ON SP23 SIZE
CREATE DSI CUSTOMER_5_DSI DSO CUSTOMER_DSO USING(73,90) ALLOCATE PRIME ON SP8 SIZE		CREATE DSI CUSTOMER_10_DSI DSO CUSTOMER_DSO USING(163,180) ALLOCATE PRIME ON SP16 SIZE		SIZE 12343K	SP24
246864K		61720K		SIZE 6171K;	SP25
SIZE 185144K,	SP9	SIZE 246856K	SP17	CREATE DSI CUSTOMER_15_DSI DSO CUSTOMER_DSO USING(253,270) ALLOCATE PRIME ON SP25 SIZE	
12344K		SIZE 123432K,	SP18	123432K	
SIZE 9257K;	SP9	3087K	OVERFLOW ON SP16 SIZE	SIZE 246856K	SP26
CREATE DSI CUSTOMER_6_DSI DSO CUSTOMER_DSO USING(91,108) ALLOCATE PRIME ON SP9 SIZE		SIZE 12343K	SP17	SIZE 61720K,	SP27
61720K		SIZE 6171K;	SP18	6172K	OVERFLOW ON SP25 SIZE
SIZE 246856K	SP10	CREATE DSI CUSTOMER_11_DSI DSO CUSTOMER_DSO USING(181,198) ALLOCATE PRIME ON SP18 SIZE		SIZE 12343K	SP26
SIZE 123432K,	SP11	123432K		SIZE 3086K;	SP27

DSO CUSTOMER\_DSO  
 USING(271,288)  
 ALLOCATE PRIME ON SP27 SIZE  
 185144K  
 SP28  
 SIZE 246864K,  
 OVERFLOW ON SP27 SIZE  
 9258K  
 SP28  
 SIZE 12343K;  
  
 CREATE DSI CUSTOMER\_17\_DSI  
 DSO CUSTOMER\_DSO  
 USING(289,306)  
 ALLOCATE PRIME ON SP29 SIZE  
 246864K  
 SP30  
 SIZE 185144K,  
 OVERFLOW ON SP29 SIZE  
 12344K  
 SP30  
 SIZE 9257K;  
  
 CREATE DSI CUSTOMER\_18\_DSI  
 DSO CUSTOMER\_DSO  
 USING(307,324)  
 ALLOCATE PRIME ON SP30 SIZE  
 61720K  
 SP31  
 SIZE 246856K  
 SP32  
 SIZE 123432K,  
 OVERFLOW ON SP30 SIZE  
 3087K  
 SP31  
 SIZE 12343K  
 SP32  
 SIZE 6171K;  
  
 CREATE DSI CUSTOMER\_19\_DSI  
 DSO CUSTOMER\_DSO  
 USING(325,342)  
 ALLOCATE PRIME ON SP32 SIZE  
 123432K  
 SP33  
 SIZE 246856K  
 SP34  
 SIZE 61720K,  
 OVERFLOW ON SP32 SIZE  
 6172K  
 SP33  
 SIZE 12343K  
 SP34  
 SIZE 3086K;  
  
 CREATE DSI CUSTOMER\_20\_DSI  
 DSO CUSTOMER\_DSO  
 USING(343,360)  
 ALLOCATE PRIME ON SP34 SIZE  
 185144K  
 SP35  
 SIZE 246864K,  
 OVERFLOW ON SP34 SIZE  
 9258K  
 SP35  
 SIZE 12343K;  
  
 CREATE DSI CUSTOMER\_21\_DSI

DSO CUSTOMER\_DSO  
 USING(361,378)  
 ALLOCATE PRIME ON SP36 SIZE  
 246864K  
 SP37  
 SIZE 185144K,  
 OVERFLOW ON SP36 SIZE  
 12344K  
 SP37  
 SIZE 9257K;  
  
 CREATE DSI CUSTOMER\_22\_DSI  
 DSO CUSTOMER\_DSO  
 USING(379,396)  
 ALLOCATE PRIME ON SP37 SIZE  
 61720K  
 SP38  
 SIZE 246856K  
 SP39  
 SIZE 123432K,  
 OVERFLOW ON SP37 SIZE  
 3087K  
 SP38  
 SIZE 12343K  
 SP39  
 SIZE 6171K;  
  
 CREATE DSI CUSTOMER\_23\_DSI  
 DSO CUSTOMER\_DSO  
 USING(397,414)  
 ALLOCATE PRIME ON SP39 SIZE  
 123432K  
 SP40  
 SIZE 246856K  
 SP41  
 SIZE 61720K,  
 OVERFLOW ON SP39 SIZE  
 6172K  
 SP40  
 SIZE 12343K  
 SP41  
 SIZE 3086K;  
  
 CREATE DSI CUSTOMER\_24\_DSI  
 DSO CUSTOMER\_DSO  
 USING(415,432)  
 ALLOCATE PRIME ON SP41 SIZE  
 185144K  
 SP42  
 SIZE 246864K,  
 OVERFLOW ON SP41 SIZE  
 9258K  
 SP42  
 SIZE 12343K;  
  
 CREATE DSI CUSTOMER\_25\_DSI  
 DSO CUSTOMER\_DSO  
 USING(433,450)  
 ALLOCATE PRIME ON SP43 SIZE  
 246864K  
 SP44  
 SIZE 185144K,  
 OVERFLOW ON SP43 SIZE  
 12344K  
 SP44  
 SIZE 9257K;  
  
 CREATE DSI CUSTOMER\_26\_DSI

DSO CUSTOMER\_DSO  
 USING(451,468)  
 ALLOCATE PRIME ON SP44 SIZE  
 61720K  
 SP45  
 SIZE 246856K  
 SP46  
 SIZE 123432K,  
 OVERFLOW ON SP44 SIZE  
 3087K  
 SP45  
 SIZE 12343K  
 SP46  
 SIZE 6171K;  
  
 CREATE DSI CUSTOMER\_27\_DSI  
 DSO CUSTOMER\_DSO  
 USING(469,486)  
 ALLOCATE PRIME ON SP46 SIZE  
 123432K  
 SP47  
 SIZE 246856K  
 SP48  
 SIZE 61720K,  
 OVERFLOW ON SP46 SIZE  
 6172K  
 SP47  
 SIZE 12343K  
 SP48  
 SIZE 3086K;  
  
 CREATE DSI CUSTOMER\_28\_DSI  
 DSO CUSTOMER\_DSO  
 USING(487,504)  
 ALLOCATE PRIME ON SP48 SIZE  
 185144K  
 SP49  
 SIZE 246864K,  
 OVERFLOW ON SP48 SIZE  
 9258K  
 SP49  
 SIZE 12343K;  
  
 CREATE DSI CUSTOMER\_29\_DSI  
 DSO CUSTOMER\_DSO  
 USING(505,522)  
 ALLOCATE PRIME ON SP50 SIZE  
 246864K  
 SP51  
 SIZE 185144K,  
 OVERFLOW ON SP50 SIZE  
 12344K  
 SP51  
 SIZE 9257K;  
  
 CREATE DSI CUSTOMER\_30\_DSI  
 DSO CUSTOMER\_DSO  
 USING(523,540)  
 ALLOCATE PRIME ON SP51 SIZE  
 61720K  
 SP52  
 SIZE 246856K  
 SP53  
 SIZE 123432K,  
 OVERFLOW ON SP51 SIZE  
 3087K  
 SP52  
 SIZE 12343K

SIZE 6171K;	SP53	6172K	OVERFLOW ON SP60 SIZE	SIZE 246864K,	SP70
CREATE DSI CUSTOMER_31_DSI		SIZE 12343K	SP61	OVERFLOW ON SP69 SIZE	
DSO CUSTOMER_DSO		SIZE 3086K;	SP62	9258K	SP70
USING(541,558)		CREATE DSI CUSTOMER_36_DSI		SIZE 12343K;	
ALLOCATE PRIME ON SP53 SIZE		DSO CUSTOMER_DSO		CREATE DSI CUSTOMER_41_DSI	
123432K	SP54	USING(631,648)		DSO CUSTOMER_DSO	
SIZE 246856K	SP55	ALLOCATE PRIME ON SP62 SIZE		USING(721,738)	
SIZE 61720K,		185144K		ALLOCATE PRIME ON SP71 SIZE	
OVERFLOW ON SP53 SIZE		SIZE 246864K,	SP63	246864K	SP72
6172K	SP54	OVERFLOW ON SP62 SIZE		SIZE 185144K,	OVERFLOW ON SP71 SIZE
SIZE 12343K	SP55	9258K	SP63	12344K	SP72
SIZE 3086K;		SIZE 12343K;		SIZE 9257K;	
CREATE DSI CUSTOMER_32_DSI		CREATE DSI CUSTOMER_37_DSI		CREATE DSI CUSTOMER_42_DSI	
DSO CUSTOMER_DSO		DSO CUSTOMER_DSO		DSO CUSTOMER_DSO	
USING(559,576)		USING(649,666)		USING(739,756)	
ALLOCATE PRIME ON SP55 SIZE		ALLOCATE PRIME ON SP64 SIZE		ALLOCATE PRIME ON SP72 SIZE	
185144K	SP56	246864K	SP65	61720K	SP73
SIZE 246864K,		SIZE 185144K,		SIZE 246856K	SP74
OVERFLOW ON SP55 SIZE		12344K		SIZE 123432K,	OVERFLOW ON SP72 SIZE
9258K	SP56	SIZE 9257K;	SP65	3087K	SP73
SIZE 12343K;		CREATE DSI CUSTOMER_38_DSI		SIZE 12343K	SP74
CREATE DSI CUSTOMER_33_DSI		DSO CUSTOMER_DSO		SIZE 6171K;	
DSO CUSTOMER_DSO		USING(667,684)		CREATE DSI CUSTOMER_43_DSI	
USING(577,594)		ALLOCATE PRIME ON SP65 SIZE		DSO CUSTOMER_DSO	
ALLOCATE PRIME ON SP57 SIZE		61720K	SP66	USING(757,774)	
246864K	SP58	SIZE 246856K	SP67	ALLOCATE PRIME ON SP74 SIZE	
SIZE 185144K,		SIZE 123432K,		123432K	SP75
OVERFLOW ON SP57 SIZE		3087K		SIZE 246856K	SP76
12344K	SP58	OVERFLOW ON SP65 SIZE		SIZE 61720K,	OVERFLOW ON SP74 SIZE
SIZE 9257K;		SIZE 12343K	SP66	6172K	SP75
CREATE DSI CUSTOMER_34_DSI		SIZE 6171K;	SP67	SIZE 12343K	SP76
DSO CUSTOMER_DSO		CREATE DSI CUSTOMER_39_DSI		SIZE 3086K;	
USING(595,612)		DSO CUSTOMER_DSO		CREATE DSI CUSTOMER_44_DSI	
ALLOCATE PRIME ON SP58 SIZE		USING(685,702)		DSO CUSTOMER_DSO	
61720K	SP59	ALLOCATE PRIME ON SP67 SIZE		USING(775,792)	
SIZE 246856K	SP60	123432K	SP68	ALLOCATE PRIME ON SP76 SIZE	
SIZE 123432K,		SIZE 246856K	SP69	185144K	SP77
OVERFLOW ON SP58 SIZE		SIZE 61720K,		SIZE 246864K,	OVERFLOW ON SP76 SIZE
3087K	SP59	6172K	SP68	9258K	SP77
SIZE 12343K	SP60	SIZE 12343K	SP69	SIZE 12343K;	
SIZE 6171K;		SIZE 3086K;		CREATE DSI CUSTOMER_45_DSI	
CREATE DSI CUSTOMER_35_DSI		CREATE DSI CUSTOMER_40_DSI		DSO CUSTOMER_DSO	
DSO CUSTOMER_DSO		USING(703,720)		USING(793,810)	
USING(613,630)		ALLOCATE PRIME ON SP69 SIZE		ALLOCATE PRIME ON SP78 SIZE	
ALLOCATE PRIME ON SP60 SIZE		185144K		246864K	
123432K	SP61				
SIZE 246856K	SP62				
SIZE 61720K,					

SIZE 185144K, OVERFLOW ON SP78 SIZE	SP79	SIZE 246856K	SP87	DSO CUSTOMER_DSO USING(973,990) ALLOCATE PRIME ON SP95 SIZE	
12344K		SIZE 123432K, OVERFLOW ON SP86 SIZE	SP88	123432K	
SIZE 9257K;	SP79	3087K		SIZE 246856K	SP96
CREATE DSI CUSTOMER_46_DSI DSO CUSTOMER_DSO USING(811,828) ALLOCATE PRIME ON SP79 SIZE		SIZE 12343K	SP87	SIZE 61720K, OVERFLOW ON SP95 SIZE	SP97
61720K		SIZE 6171K;	SP88	6172K	SP96
SIZE 246856K	SP80	CREATE DSI CUSTOMER_51_DSI DSO CUSTOMER_DSO USING(901,918) ALLOCATE PRIME ON SP88 SIZE		SIZE 12343K	SP97
SIZE 123432K, OVERFLOW ON SP79 SIZE	SP81	123432K	SP89	SIZE 3086K;	
3087K		SIZE 246856K	SP90	CREATE DSI CUSTOMER_56_DSI DSO CUSTOMER_DSO USING(991,1008) ALLOCATE PRIME ON SP97 SIZE	
SIZE 12343K	SP80	SIZE 61720K, OVERFLOW ON SP88 SIZE		185144K	SP98
SIZE 6171K;	SP81	6172K	SP89	SIZE 246864K, OVERFLOW ON SP97 SIZE	
CREATE DSI CUSTOMER_47_DSI DSO CUSTOMER_DSO USING(829,846) ALLOCATE PRIME ON SP81 SIZE		SIZE 12343K	SP90	9258K	SP98
123432K		SIZE 3086K;		SIZE 12343K;	
SIZE 246856K	SP82	CREATE DSI CUSTOMER_52_DSI DSO CUSTOMER_DSO USING(919,936) ALLOCATE PRIME ON SP90 SIZE		CREATE DSI CUSTOMER_57_DSI DSO CUSTOMER_DSO USING(1009,1026) ALLOCATE PRIME ON SP99 SIZE	
SIZE 61720K, OVERFLOW ON SP81 SIZE	SP83	185144K	SP91	246864K	SP100
6172K		SIZE 246864K, OVERFLOW ON SP90 SIZE		SIZE 185144K, OVERFLOW ON SP99 SIZE	
SIZE 12343K	SP82	9258K	SP91	12344K	SP100
SIZE 3086K;	SP83	SIZE 12343K;		SIZE 9257K;	
CREATE DSI CUSTOMER_48_DSI DSO CUSTOMER_DSO USING(847,864) ALLOCATE PRIME ON SP83 SIZE		CREATE DSI CUSTOMER_53_DSI DSO CUSTOMER_DSO USING(937,954) ALLOCATE PRIME ON SP92 SIZE		CREATE DSI CUSTOMER_58_DSI DSO CUSTOMER_DSO USING(1027,1044) ALLOCATE PRIME ON SP100	
185144K		246864K	SP93	SIZE 61720K	SP101
SIZE 246864K, OVERFLOW ON SP83 SIZE	SP84	SIZE 185144K, OVERFLOW ON SP92 SIZE		SIZE 246856K	SP102
9258K		12344K	SP93	SIZE 123432K, OVERFLOW ON SP100 SIZE	
SIZE 12343K;	SP84	SIZE 9257K;		3087K	SP101
CREATE DSI CUSTOMER_49_DSI DSO CUSTOMER_DSO USING(865,882) ALLOCATE PRIME ON SP85 SIZE		CREATE DSI CUSTOMER_54_DSI DSO CUSTOMER_DSO USING(955,972) ALLOCATE PRIME ON SP93 SIZE		SIZE 12343K	SP102
246864K		61720K	SP94	SIZE 6171K;	
SIZE 185144K, OVERFLOW ON SP85 SIZE	SP86	SIZE 246856K	SP95	CREATE DSI CUSTOMER_59_DSI DSO CUSTOMER_DSO USING(1045,1062) ALLOCATE PRIME ON SP102	
12344K		SIZE 123432K, OVERFLOW ON SP93 SIZE		SIZE 123432K	SP103
SIZE 9257K;	SP86	3087K	SP94	SIZE 246856K	SP104
CREATE DSI CUSTOMER_50_DSI DSO CUSTOMER_DSO USING(883,900) ALLOCATE PRIME ON SP86 SIZE		SIZE 12343K	SP95	SIZE 61720K, OVERFLOW ON SP102 SIZE	
61720K		SIZE 6171K;		6172K	SP103
		CREATE DSI CUSTOMER_55_DSI		SIZE 12343K	



<p>SIZE 3086K;</p> <p>CREATE DSI CUSTOMER_60_DSI DSO CUSTOMER_DSO USING(1063,1080) ALLOCATE PRIME ON SP104</p> <p>SIZE 185144K</p> <p>SIZE 246864K, OVERFLOW ON SP104 SIZE</p> <p>9258K</p> <p>SIZE 12343K;</p> <p>CREATE DSI CUSTOMER_61_DSI DSO CUSTOMER_DSO USING(1081,1098) ALLOCATE PRIME ON SP106</p> <p>SIZE 246864K</p> <p>SIZE 185144K, OVERFLOW ON SP106 SIZE</p> <p>12344K</p> <p>SIZE 9257K;</p> <p>CREATE DSI CUSTOMER_62_DSI DSO CUSTOMER_DSO USING(1099,1116) ALLOCATE PRIME ON SP107</p> <p>SIZE 61720K</p> <p>SIZE 246856K</p> <p>SIZE 123432K, OVERFLOW ON SP107 SIZE</p> <p>3087K</p> <p>SIZE 12343K</p> <p>SIZE 6171K;</p> <p>CREATE DSI CUSTOMER_63_DSI DSO CUSTOMER_DSO USING(1117,1134) ALLOCATE PRIME ON SP109</p> <p>SIZE 123432K</p> <p>SIZE 246856K</p> <p>SIZE 61720K, OVERFLOW ON SP109 SIZE</p> <p>6172K</p> <p>SIZE 12343K</p> <p>SIZE 3086K;</p> <p>CREATE DSI CUSTOMER_64_DSI DSO CUSTOMER_DSO USING(1135,1152) ALLOCATE PRIME ON SP111</p> <p>SIZE 185144K</p> <p>SIZE 246864K, OVERFLOW ON SP111 SIZE</p> <p>9258K</p>	<p>SIZE 12343K;</p> <p>CREATE DSI CUSTOMER_65_DSI DSO CUSTOMER_DSO USING(1153,1170) ALLOCATE PRIME ON SP113</p> <p>SIZE 246864K</p> <p>SIZE 185144K, OVERFLOW ON SP113 SIZE</p> <p>12344K</p> <p>SIZE 9257K;</p> <p>CREATE DSI CUSTOMER_66_DSI DSO CUSTOMER_DSO USING(1171,1188) ALLOCATE PRIME ON SP114</p> <p>SIZE 61720K</p> <p>SIZE 246856K</p> <p>SIZE 123432K, OVERFLOW ON SP114 SIZE</p> <p>3087K</p> <p>SIZE 12343K</p> <p>SIZE 6171K;</p> <p>CREATE DSI CUSTOMER_67_DSI DSO CUSTOMER_DSO USING(1189,1206) ALLOCATE PRIME ON SP116</p> <p>SIZE 123432K</p> <p>SIZE 246856K</p> <p>SIZE 61720K, OVERFLOW ON SP116 SIZE</p> <p>6172K</p> <p>SIZE 12343K</p> <p>SIZE 3086K;</p> <p>CREATE DSI CUSTOMER_68_DSI DSO CUSTOMER_DSO USING(1207,1224) ALLOCATE PRIME ON SP118</p> <p>SIZE 185144K</p> <p>SIZE 246864K, OVERFLOW ON SP118 SIZE</p> <p>9258K</p> <p>SIZE 12343K;</p> <p>CREATE DSI CUSTOMER_69_DSI DSO CUSTOMER_DSO USING(1225,1242) ALLOCATE PRIME ON SP120</p> <p>SIZE 246864K</p> <p>SIZE 185144K, OVERFLOW ON SP120 SIZE</p> <p>12344K</p>	<p>SIZE 9257K;</p> <p>CREATE DSI CUSTOMER_70_DSI DSO CUSTOMER_DSO USING(1243,1260) ALLOCATE PRIME ON SP121</p> <p>SIZE 61720K</p> <p>SIZE 246856K</p> <p>SIZE 123432K, OVERFLOW ON SP121 SIZE</p> <p>3087K</p> <p>SIZE 12343K</p> <p>SIZE 6171K;</p> <p>CREATE DSI CUSTOMER_71_DSI DSO CUSTOMER_DSO USING(1261,1278) ALLOCATE PRIME ON SP123</p> <p>SIZE 123432K</p> <p>SIZE 246856K</p> <p>SIZE 61720K, OVERFLOW ON SP123 SIZE</p> <p>6172K</p> <p>SIZE 12343K</p> <p>SIZE 3086K;</p> <p>CREATE DSI CUSTOMER_72_DSI DSO CUSTOMER_DSO USING(1279,1296) ALLOCATE PRIME ON SP125</p> <p>SIZE 185144K</p> <p>SIZE 246864K, OVERFLOW ON SP125 SIZE</p> <p>9258K</p> <p>SIZE 12343K;</p> <p>CREATE DSI CUSTOMER_73_DSI DSO CUSTOMER_DSO USING(1297,1314) ALLOCATE PRIME ON SP127</p> <p>SIZE 246864K</p> <p>SIZE 185144K, OVERFLOW ON SP127 SIZE</p> <p>12344K</p> <p>SIZE 9257K;</p> <p>CREATE DSI CUSTOMER_74_DSI DSO CUSTOMER_DSO USING(1315,1332) ALLOCATE PRIME ON SP128</p> <p>SIZE 61720K</p> <p>SIZE 246856K</p> <p>SIZE 123432K,</p>
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3087K	OVERFLOW ON SP128 SIZE	SIZE 246856K	SP138	DSO CUSTOMER_DSO	
	SP129	SIZE 61720K,	SP139	USING(1495,1512)	
SIZE 12343K	SP130	6172K		ALLOCATE PRIME ON SP146	
SIZE 6171K;		OVERFLOW ON SP137 SIZE		SIZE 185144K	SP147
CREATE DSI CUSTOMER_75_DSI		SIZE 12343K	SP138	SIZE 246864K,	OVERFLOW ON SP146 SIZE
DSO CUSTOMER_DSO		SIZE 3086K;	SP139	9258K	
USING(1333,1350)				SIZE 12343K;	SP147
ALLOCATE PRIME ON SP130		CREATE DSI CUSTOMER_80_DSI			
SIZE 123432K	SP131	DSO CUSTOMER_DSO		CREATE DSI CUSTOMER_85_DSI	
SIZE 246856K	SP132	USING(1423,1440)		DSO CUSTOMER_DSO	
SIZE 61720K,		ALLOCATE PRIME ON SP139		USING(1513,1530)	
OVERFLOW ON SP130 SIZE		SIZE 185144K	SP140	ALLOCATE PRIME ON SP148	
6172K	SP131	SIZE 246864K,		SIZE 246864K	SP149
SIZE 12343K	SP132	OVERFLOW ON SP139 SIZE		SIZE 185144K,	OVERFLOW ON SP148 SIZE
SIZE 3086K;		9258K	SP140	12344K	SP149
		SIZE 12343K;		SIZE 9257K;	
CREATE DSI CUSTOMER_76_DSI		CREATE DSI CUSTOMER_81_DSI		CREATE DSI CUSTOMER_86_DSI	
DSO CUSTOMER_DSO		DSO CUSTOMER_DSO		DSO CUSTOMER_DSO	
USING(1351,1368)		USING(1441,1458)		USING(1531,1548)	
ALLOCATE PRIME ON SP132		ALLOCATE PRIME ON SP141		ALLOCATE PRIME ON SP149	
SIZE 185144K	SP133	SIZE 246864K	SP142	SIZE 61720K	SP150
SIZE 246864K,		SIZE 185144K,		SIZE 246856K	SP151
OVERFLOW ON SP132 SIZE		OVERFLOW ON SP141 SIZE		SIZE 123432K,	OVERFLOW ON SP149 SIZE
9258K	SP133	12344K	SP142	3087K	SP150
SIZE 12343K;		SIZE 9257K;		SIZE 12343K	SP151
		CREATE DSI CUSTOMER_82_DSI		SIZE 6171K;	
CREATE DSI CUSTOMER_77_DSI		DSO CUSTOMER_DSO		CREATE DSI CUSTOMER_87_DSI	
DSO CUSTOMER_DSO		USING(1459,1476)		DSO CUSTOMER_DSO	
USING(1369,1386)		ALLOCATE PRIME ON SP142		USING(1549,1566)	
ALLOCATE PRIME ON SP134		SIZE 61720K	SP143	ALLOCATE PRIME ON SP151	
SIZE 246864K	SP135	SIZE 246856K	SP144	SIZE 123432K	SP152
SIZE 185144K,		SIZE 123432K,		SIZE 246856K	SP153
OVERFLOW ON SP134 SIZE		OVERFLOW ON SP142 SIZE		SIZE 61720K,	OVERFLOW ON SP151 SIZE
12344K	SP135	3087K	SP143	6172K	SP152
SIZE 9257K;		SIZE 12343K	SP144	SIZE 12343K	SP153
		SIZE 6171K;		SIZE 3086K;	
CREATE DSI CUSTOMER_78_DSI		CREATE DSI CUSTOMER_83_DSI		CREATE DSI CUSTOMER_88_DSI	
DSO CUSTOMER_DSO		DSO CUSTOMER_DSO		DSO CUSTOMER_DSO	
USING(1387,1404)		USING(1477,1494)		USING(1567,1584)	
ALLOCATE PRIME ON SP135		ALLOCATE PRIME ON SP144		ALLOCATE PRIME ON SP153	
SIZE 61720K	SP136	SIZE 123432K	SP145	SIZE 185144K	SP154
SIZE 246856K	SP137	SIZE 246856K	SP146	SIZE 246864K,	OVERFLOW ON SP153 SIZE
SIZE 123432K,		SIZE 61720K,		9258K	SP154
OVERFLOW ON SP135 SIZE		6172K		SIZE 12343K;	
3087K	SP136	OVERFLOW ON SP144 SIZE			
SIZE 12343K	SP137	SIZE 12343K	SP145		
SIZE 6171K;		SIZE 3086K;	SP146		
		CREATE DSI CUSTOMER_84_DSI			
CREATE DSI CUSTOMER_79_DSI					
DSO CUSTOMER_DSO					
USING(1405,1422)					
ALLOCATE PRIME ON SP137					
SIZE 123432K					

DSO CUSTOMER_DSO USING(1585,1602) ALLOCATE PRIME ON SP155 SIZE 246864K SP156 SIZE 185144K, OVERFLOW ON SP155 SIZE 12344K SP156 SIZE 9257K; CREATE DSI CUSTOMER_90_DSI DSO CUSTOMER_DSO USING(1603,1620) ALLOCATE PRIME ON SP156 SIZE 61720K SP157 SIZE 246856K SP158 SIZE 123432K, OVERFLOW ON SP156 SIZE 3087K SP157 SIZE 12343K SP158 SIZE 6171K; CREATE DSI CUSTOMER_91_DSI DSO CUSTOMER_DSO USING(1621,1638) ALLOCATE PRIME ON SP158 SIZE 123432K SP159 SIZE 246856K SP160 SIZE 61720K, OVERFLOW ON SP158 SIZE 6172K SP159 SIZE 12343K SP160 SIZE 3086K; CREATE DSI CUSTOMER_92_DSI DSO CUSTOMER_DSO USING(1639,1656) ALLOCATE PRIME ON SP160 SIZE 185144K SP161 SIZE 246864K, OVERFLOW ON SP160 SIZE 9258K SP161 SIZE 12343K; CREATE DSI CUSTOMER_93_DSI DSO CUSTOMER_DSO USING(1657,1674) ALLOCATE PRIME ON SP162 SIZE 246864K SP163 SIZE 185144K, OVERFLOW ON SP162 SIZE 12344K SP163 SIZE 9257K; CREATE DSI CUSTOMER_94_DSI	DSO CUSTOMER_DSO USING(1675,1692) ALLOCATE PRIME ON SP163 SIZE 61720K SP164 SIZE 246856K SP165 SIZE 123432K, OVERFLOW ON SP163 SIZE 3087K SP164 SIZE 12343K SP165 SIZE 6171K; CREATE DSI CUSTOMER_95_DSI DSO CUSTOMER_DSO USING(1693,1710) ALLOCATE PRIME ON SP165 SIZE 123432K SP166 SIZE 246856K SP167 SIZE 61720K, OVERFLOW ON SP165 SIZE 6172K SP166 SIZE 12343K SP167 SIZE 3086K; CREATE DSI CUSTOMER_96_DSI DSO CUSTOMER_DSO USING(1711,1728) ALLOCATE PRIME ON SP167 SIZE 185144K SP168 SIZE 246864K, OVERFLOW ON SP167 SIZE 9258K SP168 SIZE 12343K; CREATE DSI CUSTOMER_97_DSI DSO CUSTOMER_DSO USING(1729,1746) ALLOCATE PRIME ON SP169 SIZE 246864K SP170 SIZE 185144K, OVERFLOW ON SP169 SIZE 12344K SP170 SIZE 9257K; CREATE DSI CUSTOMER_98_DSI DSO CUSTOMER_DSO USING(1747,1764) ALLOCATE PRIME ON SP170 SIZE 61720K SP171 SIZE 246856K SP172 SIZE 123432K, OVERFLOW ON SP170 SIZE 3087K SP171 SIZE 12343K	SP172 SIZE 6171K; CREATE DSI CUSTOMER_99_DSI DSO CUSTOMER_DSO USING(1765,1782) ALLOCATE PRIME ON SP172 SIZE 123432K SP173 SIZE 246856K SP174 SIZE 61720K, OVERFLOW ON SP172 SIZE 6172K SP173 SIZE 12343K SP174 SIZE 3086K; CREATE DSI CUSTOMER_100_DSI DSO CUSTOMER_DSO USING(1783,1800) ALLOCATE PRIME ON SP174 SIZE 185144K SP175 SIZE 246864K, OVERFLOW ON SP174 SIZE 9258K SP175 SIZE 12343K; CREATE DSI CUSTOMER_101_DSI DSO CUSTOMER_DSO USING(1801,1818) ALLOCATE PRIME ON SP176 SIZE 246864K SP177 SIZE 185144K, OVERFLOW ON SP176 SIZE 12344K SP177 SIZE 9257K; CREATE DSI CUSTOMER_102_DSI DSO CUSTOMER_DSO USING(1819,1836) ALLOCATE PRIME ON SP177 SIZE 61720K SP178 SIZE 246856K SP179 SIZE 123432K, OVERFLOW ON SP177 SIZE 3087K SP178 SIZE 12343K SP179 SIZE 6171K; CREATE DSI CUSTOMER_103_DSI DSO CUSTOMER_DSO USING(1837,1854) ALLOCATE PRIME ON SP179 SIZE 123432K SP180 SIZE 246856K SP181 SIZE 61720K,
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6172K	OVERFLOW ON SP179 SIZE	SP189	SP198
SIZE 12343K	SP180	SIZE 246864K,	OVERFLOW ON SP188 SIZE
SIZE 3086K;	SP181	9258K	12344K
CREATE DSI CUSTOMER_104_DSI		SIZE 12343K;	SIZE 9257K;
DSO CUSTOMER_DSO			
USING(1855,1872)		CREATE DSI CUSTOMER_109_DSI	CREATE DSI CUSTOMER_114_DSI
ALLOCATE PRIME ON SP181		DSO CUSTOMER_DSO	DSO CUSTOMER_DSO
SIZE 185144K		USING(1945,1962)	USING(2035,2052)
		ALLOCATE PRIME ON SP190	ALLOCATE PRIME ON SP198
SIZE 246864K,	SP182	SIZE 246864K	SIZE 61720K
OVERFLOW ON SP181 SIZE			
9258K		SIZE 185144K,	SIZE 246856K
SIZE 12343K;	SP182	OVERFLOW ON SP190 SIZE	SIZE 123432K,
CREATE DSI CUSTOMER_105_DSI		12344K	OVERFLOW ON SP198 SIZE
DSO CUSTOMER_DSO		SIZE 9257K;	3087K
USING(1873,1890)			
ALLOCATE PRIME ON SP183		CREATE DSI CUSTOMER_110_DSI	SIZE 12343K
SIZE 246864K		DSO CUSTOMER_DSO	SIZE 6171K;
		USING(1963,1980)	
SIZE 185144K,	SP184	ALLOCATE PRIME ON SP191	CREATE DSI CUSTOMER_115_DSI
OVERFLOW ON SP183 SIZE		SIZE 61720K	DSO CUSTOMER_DSO
12344K			USING(2053,2070)
SIZE 9257K;	SP184	SIZE 246856K	ALLOCATE PRIME ON SP200
CREATE DSI CUSTOMER_106_DSI		SIZE 123432K,	SIZE 123432K
DSO CUSTOMER_DSO		OVERFLOW ON SP191 SIZE	SIZE 246856K
USING(1891,1908)		3087K	SIZE 61720K,
ALLOCATE PRIME ON SP184		SIZE 12343K	OVERFLOW ON SP200 SIZE
SIZE 61720K		SIZE 6171K;	6172K
SIZE 246856K	SP185	CREATE DSI CUSTOMER_111_DSI	SIZE 12343K
SIZE 123432K,	SP186	DSO CUSTOMER_DSO	SIZE 3086K;
OVERFLOW ON SP184 SIZE		USING(1981,1998)	
3087K		ALLOCATE PRIME ON SP193	CREATE DSI CUSTOMER_116_DSI
SIZE 12343K	SP185	SIZE 123432K	DSO CUSTOMER_DSO
SIZE 6171K;	SP186	SIZE 246856K	USING(2071,2088)
CREATE DSI CUSTOMER_107_DSI		SIZE 61720K,	ALLOCATE PRIME ON SP202
DSO CUSTOMER_DSO		OVERFLOW ON SP193 SIZE	SIZE 185144K
USING(1909,1926)		6172K	SIZE 246864K,
ALLOCATE PRIME ON SP186			OVERFLOW ON SP202 SIZE
SIZE 123432K		SIZE 12343K	9258K
		SIZE 3086K;	SIZE 12343K;
SIZE 246856K	SP187	CREATE DSI CUSTOMER_112_DSI	CREATE DSI CUSTOMER_117_DSI
SIZE 61720K,	SP188	DSO CUSTOMER_DSO	DSO CUSTOMER_DSO
OVERFLOW ON SP186 SIZE		USING(1999,2016)	USING(2089,2106)
6172K		ALLOCATE PRIME ON SP195	ALLOCATE PRIME ON SP204
SIZE 12343K	SP187	SIZE 185144K	SIZE 246864K
SIZE 3086K;	SP188		
CREATE DSI CUSTOMER_108_DSI		SIZE 246864K,	SIZE 185144K,
DSO CUSTOMER_DSO		OVERFLOW ON SP195 SIZE	OVERFLOW ON SP204 SIZE
USING(1927,1944)		9258K	12344K
ALLOCATE PRIME ON SP188		SIZE 12343K;	SIZE 9257K;
SIZE 185144K			
		CREATE DSI CUSTOMER_113_DSI	CREATE DSI CUSTOMER_118_DSI
		DSO CUSTOMER_DSO	DSO CUSTOMER_DSO
		USING(2017,2034)	USING(2107,2124)
		ALLOCATE PRIME ON SP197	ALLOCATE PRIME ON SP205
		SIZE 246864K	SIZE 61720K

SIZE 246856K	SP206	DSO CUSTOMER_DSO USING(2197,2214)	SP5
SIZE 123432K, OVERFLOW ON SP205 SIZE	SP207	ALLOCATE PRIME ON SP214	SP6
3087K		SIZE 123432K	SIZE 1976K;
SIZE 12343K	SP206	SIZE 246856K	CREATE DSI CUSTOMER_X_4DSI INDEX
SIZE 6171K;	SP207	SIZE 61720K, OVERFLOW ON SP214 SIZE	DSO CUSTOMER_IX_DSO BASE CUSTOMER_4_DSI ALLOCATE INDEX ON SP6 SIZE
CREATE DSI CUSTOMER_119_DSI DSO CUSTOMER_DSO USING(2125,2142) ALLOCATE PRIME ON SP207		6172K	192K, BASE ON SP6 SIZE 5928K
SIZE 123432K		SIZE 12343K	SP7
SIZE 246856K	SP208	SIZE 3086K;	SIZE 7888K;
SIZE 61720K, OVERFLOW ON SP207 SIZE	SP209	CREATE DSI CUSTOMER_124_DSI DSO CUSTOMER_DSO USING(2215,4464) ALLOCATE PRIME ON SP216	CREATE DSI CUSTOMER_X_5DSI INDEX
6172K	SP208	SIZE 185144K	DSO CUSTOMER_IX_DSO BASE CUSTOMER_5_DSI ALLOCATE INDEX ON SP8 SIZE
SIZE 12343K	SP209	SIZE 246864K, OVERFLOW ON SP216 SIZE	192K, BASE ON SP8 SIZE 7896K
SIZE 3086K;		9258K	SP9
CREATE DSI CUSTOMER_120_DSI DSO CUSTOMER_DSO USING(2143,2160) ALLOCATE PRIME ON SP209		SIZE 12343K;	SIZE 5920K;
SIZE 185144K	SP210	----- -- * Phase.2-3b: Customer-Index -----	CREATE DSI CUSTOMER_X_6DSI INDEX
SIZE 246864K, OVERFLOW ON SP209 SIZE	SP210	CREATE DSO CUSTOMER_IX_DSO INDEX ON	DSO CUSTOMER_IX_DSO BASE CUSTOMER_6_DSI ALLOCATE INDEX ON SP9 SIZE
9258K	SP210	TPCC_SCHEMA.CUSTOMER(C_W_ID,C_D_ID, C_LAST)	192K, BASE ON SP9 SIZE 1976K
SIZE 12343K;		TYPE	SP10
CREATE DSI CUSTOMER_121_DSI DSO CUSTOMER_DSO USING(2161,2178) ALLOCATE PRIME ON SP211		BTREE(PAGESIZE1(8),PAGESIZE2(32));	SIZE 7896K
SIZE 246864K	SP212	CREATE DSI CUSTOMER_X_1DSI INDEX	SIZE 3944K;
SIZE 185144K, OVERFLOW ON SP211 SIZE	SP212	DSO CUSTOMER_IX_DSO BASE CUSTOMER_1_DSI ALLOCATE INDEX ON SP1 SIZE	CREATE DSI CUSTOMER_X_7DSI INDEX
12344K	SP212	192K, BASE ON SP1 SIZE 7896K	DSO CUSTOMER_IX_DSO BASE CUSTOMER_7_DSI ALLOCATE INDEX ON SP11 SIZE
SIZE 9257K;		SIZE 5920K;	192K, BASE ON SP11 SIZE 3944K
CREATE DSI CUSTOMER_122_DSI DSO CUSTOMER_DSO USING(2179,2196) ALLOCATE PRIME ON SP212		CREATE DSI CUSTOMER_X_2DSI INDEX	SIZE 7896K
SIZE 61720K	SP213	DSO CUSTOMER_IX_DSO BASE CUSTOMER_2_DSI ALLOCATE INDEX ON SP2 SIZE	SIZE 1976K;
SIZE 246856K	SP214	192K, BASE ON SP2 SIZE 1976K	CREATE DSI CUSTOMER_X_8DSI INDEX
SIZE 123432K, OVERFLOW ON SP212 SIZE	SP214	SIZE 7896K	DSO CUSTOMER_IX_DSO BASE CUSTOMER_8_DSI ALLOCATE INDEX ON SP13 SIZE
3087K	SP213	SIZE 3944K;	192K, BASE ON SP13 SIZE 5928K
SIZE 12343K	SP214	CREATE DSI CUSTOMER_X_3DSI INDEX	SP14
SIZE 6171K;		DSO CUSTOMER_IX_DSO BASE CUSTOMER_3_DSI ALLOCATE INDEX ON SP4 SIZE	CREATE DSI CUSTOMER_X_9DSI INDEX
CREATE DSI CUSTOMER_123_DSI		192K, BASE ON SP4 SIZE 3944K	DSO CUSTOMER_IX_DSO BASE CUSTOMER_9_DSI ALLOCATE INDEX ON SP15 SIZE

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CREATE DSI CUSTOMER_X_10DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_10_DSI
  ALLOCATE INDEX ON SP16 SIZE
192K,
      BASE ON SP16 SIZE 1976K
      SP17
SIZE 7896K
      SP18
SIZE 3944K;

CREATE DSI CUSTOMER_X_11DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_11_DSI
  ALLOCATE INDEX ON SP18 SIZE
192K,
      BASE ON SP18 SIZE 3944K
      SP19
SIZE 7896K
      SP20
SIZE 1976K;

CREATE DSI CUSTOMER_X_12DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_12_DSI
  ALLOCATE INDEX ON SP20 SIZE
192K,
      BASE ON SP20 SIZE 5928K
      SP21
SIZE 7888K;

CREATE DSI CUSTOMER_X_13DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_13_DSI
  ALLOCATE INDEX ON SP22 SIZE
192K,
      BASE ON SP22 SIZE 7896K
      SP23
SIZE 5920K;

CREATE DSI CUSTOMER_X_14DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_14_DSI
  ALLOCATE INDEX ON SP23 SIZE
192K,
      BASE ON SP23 SIZE 1976K
      SP24
SIZE 7896K
      SP25
SIZE 3944K;

CREATE DSI CUSTOMER_X_15DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_15_DSI
  ALLOCATE INDEX ON SP25 SIZE
192K,
      BASE ON SP25 SIZE 3944K
      SP26
SIZE 7896K
      SP27
SIZE 1976K;

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CREATE DSI CUSTOMER_X_16DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_16_DSI
  ALLOCATE INDEX ON SP27 SIZE
192K,
      BASE ON SP27 SIZE 5928K
      SP28
SIZE 7888K;

CREATE DSI CUSTOMER_X_17DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_17_DSI
  ALLOCATE INDEX ON SP29 SIZE
192K,
      BASE ON SP29 SIZE 7896K
      SP30
SIZE 5920K;

CREATE DSI CUSTOMER_X_18DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_18_DSI
  ALLOCATE INDEX ON SP30 SIZE
192K,
      BASE ON SP30 SIZE 1976K
      SP31
SIZE 7896K
      SP32
SIZE 3944K;

CREATE DSI CUSTOMER_X_19DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_19_DSI
  ALLOCATE INDEX ON SP32 SIZE
192K,
      BASE ON SP32 SIZE 3944K
      SP33
SIZE 7896K
      SP34
SIZE 1976K;

CREATE DSI CUSTOMER_X_20DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_20_DSI
  ALLOCATE INDEX ON SP34 SIZE
192K,
      BASE ON SP34 SIZE 5928K
      SP35
SIZE 7888K;

CREATE DSI CUSTOMER_X_21DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_21_DSI
  ALLOCATE INDEX ON SP36 SIZE
192K,
      BASE ON SP36 SIZE 7896K
      SP37
SIZE 5920K;

CREATE DSI CUSTOMER_X_22DSI
  INDEX
  DSO CUSTOMER_IX_DSO

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BASE CUSTOMER_22_DSI
  ALLOCATE INDEX ON SP37 SIZE
192K,
      BASE ON SP37 SIZE 1976K
      SP38
SIZE 7896K
      SP39
SIZE 3944K;

CREATE DSI CUSTOMER_X_23DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_23_DSI
  ALLOCATE INDEX ON SP39 SIZE
192K,
      BASE ON SP39 SIZE 3944K
      SP40
SIZE 7896K
      SP41
SIZE 1976K;

CREATE DSI CUSTOMER_X_24DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_24_DSI
  ALLOCATE INDEX ON SP41 SIZE
192K,
      BASE ON SP41 SIZE 5928K
      SP42
SIZE 7888K;

CREATE DSI CUSTOMER_X_25DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_25_DSI
  ALLOCATE INDEX ON SP43 SIZE
192K,
      BASE ON SP43 SIZE 7896K
      SP44
SIZE 5920K;

CREATE DSI CUSTOMER_X_26DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_26_DSI
  ALLOCATE INDEX ON SP44 SIZE
192K,
      BASE ON SP44 SIZE 1976K
      SP45
SIZE 7896K
      SP46
SIZE 3944K;

CREATE DSI CUSTOMER_X_27DSI
  INDEX
  DSO CUSTOMER_IX_DSO
  BASE CUSTOMER_27_DSI
  ALLOCATE INDEX ON SP46 SIZE
192K,
      BASE ON SP46 SIZE 3944K
      SP47
SIZE 7896K
      SP48
SIZE 1976K;

CREATE DSI CUSTOMER_X_28DSI
  INDEX
  DSO CUSTOMER_IX_DSO

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<p>BASE CUSTOMER_28_DSI ALLOCATE INDEX ON SP48 SIZE 192K, BASE ON SP48 SIZE 5928K SP49 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_29DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_29_DSI ALLOCATE INDEX ON SP50 SIZE 192K, BASE ON SP50 SIZE 7896K SP51 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_30DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_30_DSI ALLOCATE INDEX ON SP51 SIZE 192K, BASE ON SP51 SIZE 1976K SP52 SIZE 7896K SP53 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_31DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_31_DSI ALLOCATE INDEX ON SP53 SIZE 192K, BASE ON SP53 SIZE 3944K SP54 SIZE 7896K SP55 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_32DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_32_DSI ALLOCATE INDEX ON SP55 SIZE 192K, BASE ON SP55 SIZE 5928K SP56 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_33DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_33_DSI ALLOCATE INDEX ON SP57 SIZE 192K, BASE ON SP57 SIZE 7896K SP58 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_34DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_34_DSI ALLOCATE INDEX ON SP58 SIZE 192K, BASE ON SP58 SIZE 1976K</p>	<p>SP59 SIZE 7896K SP60 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_35DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_35_DSI ALLOCATE INDEX ON SP60 SIZE 192K, BASE ON SP60 SIZE 3944K SP61 SIZE 7896K SP62 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_36DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_36_DSI ALLOCATE INDEX ON SP62 SIZE 192K, BASE ON SP62 SIZE 5928K SP63 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_37DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_37_DSI ALLOCATE INDEX ON SP64 SIZE 192K, BASE ON SP64 SIZE 7896K SP65 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_38DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_38_DSI ALLOCATE INDEX ON SP65 SIZE 192K, BASE ON SP65 SIZE 1976K SP66 SIZE 7896K SP67 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_39DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_39_DSI ALLOCATE INDEX ON SP67 SIZE 192K, BASE ON SP67 SIZE 3944K SP68 SIZE 7896K SP69 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_40DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_40_DSI ALLOCATE INDEX ON SP69 SIZE 192K, BASE ON SP69 SIZE 5928K</p>	<p>SP70 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_41DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_41_DSI ALLOCATE INDEX ON SP71 SIZE 192K, BASE ON SP71 SIZE 7896K SP72 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_42DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_42_DSI ALLOCATE INDEX ON SP72 SIZE 192K, BASE ON SP72 SIZE 1976K SP73 SIZE 7896K SP74 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_43DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_43_DSI ALLOCATE INDEX ON SP74 SIZE 192K, BASE ON SP74 SIZE 3944K SP75 SIZE 7896K SP76 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_44DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_44_DSI ALLOCATE INDEX ON SP76 SIZE 192K, BASE ON SP76 SIZE 5928K SP77 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_45DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_45_DSI ALLOCATE INDEX ON SP78 SIZE 192K, BASE ON SP78 SIZE 7896K SP79 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_46DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_46_DSI ALLOCATE INDEX ON SP79 SIZE 192K, BASE ON SP79 SIZE 1976K SP80 SIZE 7896K SP81 SIZE 3944K;</p>
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<p>CREATE DSI CUSTOMER_X_47DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_47_DSI ALLOCATE INDEX ON SP81 SIZE 192K, BASE ON SP81 SIZE 3944K SP82 SIZE 7896K SIZE 1976K; SP83</p> <p>CREATE DSI CUSTOMER_X_48DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_48_DSI ALLOCATE INDEX ON SP83 SIZE 192K, BASE ON SP83 SIZE 5928K SP84 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_49DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_49_DSI ALLOCATE INDEX ON SP85 SIZE 192K, BASE ON SP85 SIZE 7896K SP86 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_50DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_50_DSI ALLOCATE INDEX ON SP86 SIZE 192K, BASE ON SP86 SIZE 1976K SP87 SIZE 7896K SIZE 3944K; SP88</p> <p>CREATE DSI CUSTOMER_X_51DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_51_DSI ALLOCATE INDEX ON SP88 SIZE 192K, BASE ON SP88 SIZE 3944K SP89 SIZE 7896K SIZE 1976K; SP90</p> <p>CREATE DSI CUSTOMER_X_52DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_52_DSI ALLOCATE INDEX ON SP90 SIZE 192K, BASE ON SP90 SIZE 5928K SP91 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_53DSI</p>	<p>INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_53_DSI ALLOCATE INDEX ON SP92 SIZE 192K, BASE ON SP92 SIZE 7896K SP93 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_54DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_54_DSI ALLOCATE INDEX ON SP93 SIZE 192K, BASE ON SP93 SIZE 1976K SP94 SIZE 7896K SP95 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_55DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_55_DSI ALLOCATE INDEX ON SP95 SIZE 192K, BASE ON SP95 SIZE 3944K SP96 SIZE 7896K SP97 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_56DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_56_DSI ALLOCATE INDEX ON SP97 SIZE 192K, BASE ON SP97 SIZE 5928K SP98 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_57DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_57_DSI ALLOCATE INDEX ON SP99 SIZE 192K, BASE ON SP99 SIZE 7896K SP100 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_58DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_58_DSI ALLOCATE INDEX ON SP100 SIZE 192K, BASE ON SP100 SIZE SP101 SIZE 7896K SP102 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_59DSI INDEX</p>	<p>DSO CUSTOMER_IX_DSO BASE CUSTOMER_59_DSI ALLOCATE INDEX ON SP102 SIZE 192K, BASE ON SP102 SIZE 3944K SP103 SIZE 7896K SP104 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_60DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_60_DSI ALLOCATE INDEX ON SP104 SIZE 192K, BASE ON SP104 SIZE 5928K SP105 SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_61DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_61_DSI ALLOCATE INDEX ON SP106 SIZE 192K, BASE ON SP106 SIZE 7896K SP107 SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_62DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_62_DSI ALLOCATE INDEX ON SP107 SIZE 192K, BASE ON SP107 SIZE 1976K SP108 SIZE 7896K SP109 SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_63DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_63_DSI ALLOCATE INDEX ON SP109 SIZE 192K, BASE ON SP109 SIZE 3944K SP110 SIZE 7896K SP111 SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_64DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_64_DSI ALLOCATE INDEX ON SP111 SIZE 192K, BASE ON SP111 SIZE 5928K</p>
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SIZE 7888K;	SP112	1976K	BASE ON SP121 SIZE	CREATE DSI CUSTOMER_X_76DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_76_DSI ALLOCATE INDEX ON SP132 SIZE
CREATE DSI CUSTOMER_X_65DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_65_DSI ALLOCATE INDEX ON SP113 SIZE		SIZE 7896K	SP122	192K,
192K,		SIZE 3944K;	SP123	BASE ON SP132 SIZE
7896K		CREATE DSI CUSTOMER_X_71DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_71_DSI ALLOCATE INDEX ON SP123 SIZE		5928K
SIZE 5920K;	SP114	192K,		SIZE 7888K;
CREATE DSI CUSTOMER_X_66DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_66_DSI ALLOCATE INDEX ON SP114 SIZE		3944K	BASE ON SP123 SIZE	CREATE DSI CUSTOMER_X_77DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_77_DSI ALLOCATE INDEX ON SP134 SIZE
192K,		SIZE 7896K	SP124	192K,
1976K		SIZE 1976K;	SP125	7896K
SIZE 7896K	SP115	CREATE DSI CUSTOMER_X_72DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_72_DSI ALLOCATE INDEX ON SP125 SIZE		SIZE 5920K;
SIZE 3944K;	SP116	192K,	BASE ON SP125 SIZE	CREATE DSI CUSTOMER_X_78DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_78_DSI ALLOCATE INDEX ON SP135 SIZE
CREATE DSI CUSTOMER_X_67DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_67_DSI ALLOCATE INDEX ON SP116 SIZE		5928K	SP126	192K,
192K,		SIZE 7888K;		1976K
3944K		CREATE DSI CUSTOMER_X_73DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_73_DSI ALLOCATE INDEX ON SP127 SIZE		SIZE 7896K
SIZE 7896K	SP117	192K,	BASE ON SP127 SIZE	SIZE 3944K;
SIZE 1976K;	SP118	7896K	SP128	CREATE DSI CUSTOMER_X_79DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_79_DSI ALLOCATE INDEX ON SP137 SIZE
CREATE DSI CUSTOMER_X_68DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_68_DSI ALLOCATE INDEX ON SP118 SIZE		SIZE 5920K;		192K,
192K,		CREATE DSI CUSTOMER_X_74DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_74_DSI ALLOCATE INDEX ON SP128 SIZE		3944K
5928K		192K,	BASE ON SP128 SIZE	SIZE 7896K
SIZE 7888K;	SP119	1976K	SP129	SIZE 1976K;
CREATE DSI CUSTOMER_X_69DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_69_DSI ALLOCATE INDEX ON SP120 SIZE		SIZE 7896K	SP130	CREATE DSI CUSTOMER_X_80DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_80_DSI ALLOCATE INDEX ON SP139 SIZE
192K,		SIZE 3944K;		192K,
7896K		CREATE DSI CUSTOMER_X_75DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_75_DSI ALLOCATE INDEX ON SP130 SIZE		5928K
SIZE 5920K;	SP121	192K,	BASE ON SP130 SIZE	SIZE 7888K;
CREATE DSI CUSTOMER_X_70DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_70_DSI ALLOCATE INDEX ON SP121 SIZE		3944K	SP131	CREATE DSI CUSTOMER_X_81DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_81_DSI ALLOCATE INDEX ON SP141 SIZE
192K,		SIZE 7896K	SP132	192K,
		SIZE 1976K;		7896K

<p>SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_82DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_82_DSI ALLOCATE INDEX ON SP142 SIZE</p> <p>192K, BASE ON SP142 SIZE</p> <p>1976K</p> <p>SIZE 7896K</p> <p>SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_83DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_83_DSI ALLOCATE INDEX ON SP144 SIZE</p> <p>192K, BASE ON SP144 SIZE</p> <p>3944K</p> <p>SIZE 7896K</p> <p>SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_84DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_84_DSI ALLOCATE INDEX ON SP146 SIZE</p> <p>192K, BASE ON SP146 SIZE</p> <p>5928K</p> <p>SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_85DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_85_DSI ALLOCATE INDEX ON SP148 SIZE</p> <p>192K, BASE ON SP148 SIZE</p> <p>7896K</p> <p>SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_86DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_86_DSI ALLOCATE INDEX ON SP149 SIZE</p> <p>192K, BASE ON SP149 SIZE</p> <p>1976K</p> <p>SIZE 7896K</p> <p>SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_87DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_87_DSI</p>	<p>SP142</p> <p>192K, BASE ON SP151 SIZE</p> <p>3944K</p> <p>SIZE 7896K</p> <p>SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_88DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_88_DSI ALLOCATE INDEX ON SP153 SIZE</p> <p>192K, BASE ON SP153 SIZE</p> <p>5928K</p> <p>SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_89DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_89_DSI ALLOCATE INDEX ON SP155 SIZE</p> <p>192K, BASE ON SP155 SIZE</p> <p>7896K</p> <p>SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_90DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_90_DSI ALLOCATE INDEX ON SP156 SIZE</p> <p>192K, BASE ON SP156 SIZE</p> <p>1976K</p> <p>SIZE 7896K</p> <p>SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_91DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_91_DSI ALLOCATE INDEX ON SP158 SIZE</p> <p>192K, BASE ON SP158 SIZE</p> <p>3944K</p> <p>SIZE 7896K</p> <p>SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_92DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_92_DSI ALLOCATE INDEX ON SP160 SIZE</p> <p>192K, BASE ON SP160 SIZE</p> <p>5928K</p> <p>SIZE 7888K;</p>	<p>CREATE DSI CUSTOMER_X_93DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_93_DSI ALLOCATE INDEX ON SP162 SIZE</p> <p>192K, BASE ON SP162 SIZE</p> <p>7896K</p> <p>SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_94DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_94_DSI ALLOCATE INDEX ON SP163 SIZE</p> <p>192K, BASE ON SP163 SIZE</p> <p>1976K</p> <p>SIZE 7896K</p> <p>SIZE 3944K;</p> <p>CREATE DSI CUSTOMER_X_95DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_95_DSI ALLOCATE INDEX ON SP165 SIZE</p> <p>192K, BASE ON SP165 SIZE</p> <p>3944K</p> <p>SIZE 7896K</p> <p>SIZE 1976K;</p> <p>CREATE DSI CUSTOMER_X_96DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_96_DSI ALLOCATE INDEX ON SP167 SIZE</p> <p>192K, BASE ON SP167 SIZE</p> <p>5928K</p> <p>SIZE 7888K;</p> <p>CREATE DSI CUSTOMER_X_97DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_97_DSI ALLOCATE INDEX ON SP169 SIZE</p> <p>192K, BASE ON SP169 SIZE</p> <p>7896K</p> <p>SIZE 5920K;</p> <p>CREATE DSI CUSTOMER_X_98DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_98_DSI ALLOCATE INDEX ON SP170 SIZE</p> <p>192K, BASE ON SP170 SIZE</p> <p>1976K</p>
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SIZE 7896K	SP171	DSO CUSTOMER_IX_DSO BASE CUSTOMER_104_DSI ALLOCATE INDEX ON SP181 SIZE	CREATE DSI CUSTOMER_X_110DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_110_DSI ALLOCATE INDEX ON SP191 SIZE
SIZE 3944K;	SP172	192K, BASE ON SP181 SIZE	192K, BASE ON SP191 SIZE
CREATE DSI CUSTOMER_X_99DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_99_DSI ALLOCATE INDEX ON SP172 SIZE		5928K SP182	1976K SP192
192K, BASE ON SP172 SIZE		SIZE 7888K;	SIZE 7896K SP193
3944K	SP173	CREATE DSI CUSTOMER_X_105DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_105_DSI ALLOCATE INDEX ON SP183 SIZE	SIZE 3944K;
SIZE 7896K	SP174	192K, BASE ON SP183 SIZE	CREATE DSI CUSTOMER_X_111DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_111_DSI ALLOCATE INDEX ON SP193 SIZE
SIZE 1976K;		7896K SP184	192K, BASE ON SP193 SIZE
CREATE DSI CUSTOMER_X_100DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_100_DSI ALLOCATE INDEX ON SP174 SIZE		SIZE 5920K;	3944K SP194
192K, BASE ON SP174 SIZE		CREATE DSI CUSTOMER_X_106DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_106_DSI ALLOCATE INDEX ON SP184 SIZE	SIZE 7896K SP195
5928K	SP175	192K, BASE ON SP184 SIZE	SIZE 1976K;
SIZE 7888K;		1976K SP185	CREATE DSI CUSTOMER_X_112DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_112_DSI ALLOCATE INDEX ON SP195 SIZE
CREATE DSI CUSTOMER_X_101DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_101_DSI ALLOCATE INDEX ON SP176 SIZE		SIZE 7896K SP186	192K, BASE ON SP195 SIZE
192K, BASE ON SP176 SIZE		SIZE 3944K;	5928K SP196
7896K	SP177	CREATE DSI CUSTOMER_X_107DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_107_DSI ALLOCATE INDEX ON SP186 SIZE	SIZE 7888K;
SIZE 5920K;		192K, BASE ON SP186 SIZE	CREATE DSI CUSTOMER_X_113DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_113_DSI ALLOCATE INDEX ON SP197 SIZE
CREATE DSI CUSTOMER_X_102DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_102_DSI ALLOCATE INDEX ON SP177 SIZE		3944K SP187	192K, BASE ON SP197 SIZE
192K, BASE ON SP177 SIZE		SIZE 7896K SP188	7896K SP198
1976K	SP178	CREATE DSI CUSTOMER_X_108DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_108_DSI ALLOCATE INDEX ON SP188 SIZE	SIZE 5920K;
SIZE 7896K	SP179	192K, BASE ON SP188 SIZE	CREATE DSI CUSTOMER_X_114DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_114_DSI ALLOCATE INDEX ON SP198 SIZE
SIZE 3944K;		5928K SP189	192K, BASE ON SP198 SIZE
CREATE DSI CUSTOMER_X_103DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_103_DSI ALLOCATE INDEX ON SP179 SIZE		SIZE 7888K;	1976K SP199
192K, BASE ON SP179 SIZE		CREATE DSI CUSTOMER_X_109DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_109_DSI ALLOCATE INDEX ON SP190 SIZE	SIZE 7896K SP200
3944K	SP180	192K, BASE ON SP190 SIZE	SIZE 3944K;
SIZE 7896K	SP181	7896K SP191	CREATE DSI CUSTOMER_X_115DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_115_DSI ALLOCATE INDEX ON SP200 SIZE
SIZE 1976K;		SIZE 5920K;	192K,
CREATE DSI CUSTOMER_X_104DSI INDEX			

3944K	BASE ON SP200 SIZE	DSO CUSTOMER_IX_DSO BASE CUSTOMER_121_DSI ALLOCATE INDEX ON SP211 SIZE	CREATE DSI ORDERLIN_2_DSI DSO ORDERLINE_DSO USING(10,18) ALLOCATE PRIME ON SP2 SIZE
SIZE 7896K	SP201	192K,	360192K,
SIZE 1976K;	SP202	7896K	1440K;
CREATE DSI CUSTOMER_X_116DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_116_DSI ALLOCATE INDEX ON SP202 SIZE		SIZE 5920K;	OVERFLOW ON SP2 SIZE
192K,		CREATE DSI CUSTOMER_X_122DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_122_DSI ALLOCATE INDEX ON SP212 SIZE	CREATE DSI ORDERLIN_3_DSI DSO ORDERLINE_DSO USING(19,27) ALLOCATE PRIME ON SP3 SIZE
BASE ON SP202 SIZE		192K,	360192K,
5928K	SP203	1976K	1440K;
SIZE 7888K;		SIZE 7896K	OVERFLOW ON SP3 SIZE
CREATE DSI CUSTOMER_X_117DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_117_DSI ALLOCATE INDEX ON SP204 SIZE		SIZE 3944K;	CREATE DSI ORDERLIN_4_DSI DSO ORDERLINE_DSO USING(28,36) ALLOCATE PRIME ON SP4 SIZE
192K,		CREATE DSI CUSTOMER_X_123DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_123_DSI ALLOCATE INDEX ON SP214 SIZE	360192K,
BASE ON SP204 SIZE		192K,	1440K;
7896K	SP205	3944K	OVERFLOW ON SP4 SIZE
SIZE 5920K;		SIZE 7896K	CREATE DSI ORDERLIN_5_DSI DSO ORDERLINE_DSO USING(37,45) ALLOCATE PRIME ON SP5 SIZE
CREATE DSI CUSTOMER_X_118DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_118_DSI ALLOCATE INDEX ON SP205 SIZE		SIZE 1976K;	360192K,
192K,		CREATE DSI CUSTOMER_X_124DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_124_DSI ALLOCATE INDEX ON SP216 SIZE	1440K;
BASE ON SP205 SIZE		192K,	OVERFLOW ON SP5 SIZE
1976K	SP206	5928K	CREATE DSI ORDERLIN_6_DSI DSO ORDERLINE_DSO USING(46,54) ALLOCATE PRIME ON SP6 SIZE
SIZE 7896K	SP207	SIZE 7888K;	360192K,
SIZE 3944K;		----- ----- -- * Phase.2-5a: OrderLine ----- -----	1440K;
CREATE DSI CUSTOMER_X_119DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_119_DSI ALLOCATE INDEX ON SP207 SIZE		CREATE DSO ORDERLINE_DSO FROM TPCC_SCHEMA.ORDERLINE TYPE RANDOM(PAGESIZE1(32),PAGESIZE2(8),RULE( (OL_O_ID/30)*90+OL_W_ID*10+OL_D_ID+(OL_N UMBER+(OL_O_ID- ((OL_O_ID/30)*30))*15)*11255)) WHERE (OL_W_ID) BETWEEN (?) AND (?);	OVERFLOW ON SP6 SIZE
192K,		192K,	1440K;
BASE ON SP207 SIZE		BASE ON SP216 SIZE	CREATE DSI ORDERLIN_7_DSI DSO ORDERLINE_DSO USING(55,63) ALLOCATE PRIME ON SP7 SIZE
3944K	SP208	5928K	360192K,
SIZE 7896K	SP209	SIZE 7888K;	1440K;
SIZE 1976K;		CREATE DSI CUSTOMER_X_120DSI INDEX DSO CUSTOMER_IX_DSO BASE CUSTOMER_120_DSI ALLOCATE INDEX ON SP209 SIZE	OVERFLOW ON SP7 SIZE
192K,		192K,	CREATE DSI ORDERLIN_8_DSI DSO ORDERLINE_DSO USING(64,72) ALLOCATE PRIME ON SP1 SIZE
BASE ON SP209 SIZE		5928K	51456k
5928K	SP210	SIZE 7888K;	SIZE 51456K
SIZE 7888K;		CREATE DSI CUSTOMER_X_121DSI INDEX	SIZE 51456K
		360192K,	SIZE 51456K
		1440K;	SIZE 51456K
		OVERFLOW ON SP1 SIZE	SIZE 51456K
			SIZE 51456K
			SIZE 51456K
			SIZE 51456K
			SIZE 51456K,
			200K
			OVERFLOW ON SP1 SIZE

SIZE 200K	SP2		ALLOCATE PRIME ON SP19 SIZE
		CREATE DSI ORDERLIN_16_DSI	360192K,
	SP3	DSO ORDERLINE_DSO	OVERFLOW ON SP19 SIZE
SIZE 200K		USING(136,144)	1440K;
	SP4	ALLOCATE PRIME ON SP8 SIZE	
SIZE 200K		51456k	CREATE DSI ORDERLIN_22_DSI
	SP5		DSO ORDERLINE_DSO
SIZE 200K		SIZE 51456K	USING(190,198)
	SP6		ALLOCATE PRIME ON SP20 SIZE
SIZE 200K		SIZE 51456K	360192K,
	SP7		OVERFLOW ON SP20 SIZE
SIZE 200K;		SIZE 51456K	1440K;
		SIZE 51456K	CREATE DSI ORDERLIN_23_DSI
		SIZE 51456K	DSO ORDERLINE_DSO
		SIZE 51456K	USING(199,207)
		SIZE 51456K,	ALLOCATE PRIME ON SP21 SIZE
		OVERFLOW ON SP8 SIZE	360192K,
		200K	OVERFLOW ON SP21 SIZE
			1440K;
			CREATE DSI ORDERLIN_24_DSI
			DSO ORDERLINE_DSO
			USING(208,216)
			ALLOCATE PRIME ON SP15 SIZE
			51456k
			SP16
			SIZE 51456K
			SP17
			SIZE 51456K
			SP18
			SIZE 51456K
			SP19
			SIZE 51456K
			SP20
			SIZE 51456K
			SP21
			SIZE 51456K,
			OVERFLOW ON SP15 SIZE
			200K
			SP16
			SIZE 200K
			SP17
			SIZE 200K
			SP18
			SIZE 200K
			SP19
			SIZE 200K
			SP20
			SIZE 200K
			SP21
			SIZE 200K;
			CREATE DSI ORDERLIN_25_DSI
			DSO ORDERLINE_DSO
			USING(217,225)
			ALLOCATE PRIME ON SP22 SIZE
			360192K,
			OVERFLOW ON SP22 SIZE
			1440K;
			CREATE DSI ORDERLIN_26_DSI
			DSO ORDERLINE_DSO
			USING(226,234)
			ALLOCATE PRIME ON SP23 SIZE
			360192K,
			OVERFLOW ON SP23 SIZE
			1440K;

CREATE DSI ORDERLIN_27_DSI DSO ORDERLINE_DSO USING(235,243) ALLOCATE PRIME ON SP24 SIZE	SIZE 200K	SP27	SIZE 51456K	SP31
360192K, OVERFLOW ON SP24 SIZE				
1440K;		SP28	SIZE 51456K	SP32
CREATE DSI ORDERLIN_28_DSI DSO ORDERLINE_DSO USING(244,252) ALLOCATE PRIME ON SP25 SIZE	SIZE 200K;		SIZE 51456K	SP33
360192K, OVERFLOW ON SP25 SIZE			SIZE 51456K	SP34
1440K;			SIZE 51456K	SP35
CREATE DSI ORDERLIN_29_DSI DSO ORDERLINE_DSO USING(253,261) ALLOCATE PRIME ON SP26 SIZE	360192K, OVERFLOW ON SP29 SIZE		SIZE 51456K, OVERFLOW ON SP29 SIZE	
360192K, OVERFLOW ON SP25 SIZE	1440K;		200K	SP30
1440K;			SIZE 200K	SP31
CREATE DSI ORDERLIN_29_DSI DSO ORDERLINE_DSO USING(253,261) ALLOCATE PRIME ON SP26 SIZE	CREATE DSI ORDERLIN_34_DSI DSO ORDERLINE_DSO USING(298,306) ALLOCATE PRIME ON SP30 SIZE		SIZE 200K	SP32
360192K, OVERFLOW ON SP26 SIZE	360192K, OVERFLOW ON SP30 SIZE		SIZE 200K	SP33
1440K;	1440K;		SIZE 200K	SP34
CREATE DSI ORDERLIN_30_DSI DSO ORDERLINE_DSO USING(262,270) ALLOCATE PRIME ON SP27 SIZE	CREATE DSI ORDERLIN_35_DSI DSO ORDERLINE_DSO USING(307,315) ALLOCATE PRIME ON SP31 SIZE		SIZE 200K	SP35
360192K, OVERFLOW ON SP27 SIZE	360192K, OVERFLOW ON SP31 SIZE		SIZE 200K;	
1440K;	1440K;		CREATE DSI ORDERLIN_41_DSI DSO ORDERLINE_DSO USING(361,369) ALLOCATE PRIME ON SP36 SIZE	
CREATE DSI ORDERLIN_31_DSI DSO ORDERLINE_DSO USING(271,279) ALLOCATE PRIME ON SP28 SIZE	CREATE DSI ORDERLIN_36_DSI DSO ORDERLINE_DSO USING(316,324) ALLOCATE PRIME ON SP32 SIZE		360192K, OVERFLOW ON SP36 SIZE	
360192K, OVERFLOW ON SP28 SIZE	360192K, OVERFLOW ON SP32 SIZE		1440K;	
1440K;	1440K;		CREATE DSI ORDERLIN_42_DSI DSO ORDERLINE_DSO USING(370,378) ALLOCATE PRIME ON SP37 SIZE	
CREATE DSI ORDERLIN_32_DSI DSO ORDERLINE_DSO USING(280,288) ALLOCATE PRIME ON SP22 SIZE	CREATE DSI ORDERLIN_37_DSI DSO ORDERLINE_DSO USING(325,333) ALLOCATE PRIME ON SP33 SIZE		360192K, OVERFLOW ON SP37 SIZE	
51456k	360192K, OVERFLOW ON SP33 SIZE		1440K;	
SIZE 51456K	1440K;		CREATE DSI ORDERLIN_43_DSI DSO ORDERLINE_DSO USING(379,387) ALLOCATE PRIME ON SP38 SIZE	
SIZE 51456K			360192K, OVERFLOW ON SP38 SIZE	
SIZE 51456K	CREATE DSI ORDERLIN_38_DSI DSO ORDERLINE_DSO USING(334,342) ALLOCATE PRIME ON SP34 SIZE		1440K;	
SIZE 51456K	360192K, OVERFLOW ON SP34 SIZE		CREATE DSI ORDERLIN_44_DSI DSO ORDERLINE_DSO USING(388,396) ALLOCATE PRIME ON SP39 SIZE	
SIZE 51456K	1440K;		360192K, OVERFLOW ON SP39 SIZE	
SIZE 51456K	CREATE DSI ORDERLIN_39_DSI DSO ORDERLINE_DSO USING(343,351) ALLOCATE PRIME ON SP35 SIZE		1440K;	
SIZE 51456K	360192K, OVERFLOW ON SP35 SIZE		CREATE DSI ORDERLIN_45_DSI DSO ORDERLINE_DSO USING(397,405) ALLOCATE PRIME ON SP40 SIZE	
SIZE 51456K, OVERFLOW ON SP22 SIZE	1440K;		360192K, OVERFLOW ON SP40 SIZE	
200K			1440K;	
SIZE 200K	CREATE DSI ORDERLIN_40_DSI DSO ORDERLINE_DSO USING(352,360) ALLOCATE PRIME ON SP29 SIZE		CREATE DSI ORDERLIN_46_DSI DSO ORDERLINE_DSO USING(406,414)	
SIZE 200K	51456k	SP30		
SIZE 200K	SIZE 51456K			

```

        ALLOCATE PRIME  ON SP41 SIZE
360192K,
        OVERFLOW ON SP41 SIZE
1440K;

        CREATE DSI ORDERLIN_47_DSI
        DSO ORDERLINE_DSO
        USING(415,423)
        ALLOCATE PRIME  ON SP42 SIZE
360192K,
        OVERFLOW ON SP42 SIZE
1440K;

        CREATE DSI ORDERLIN_48_DSI
        DSO ORDERLINE_DSO
        USING(424,432)
        ALLOCATE PRIME  ON SP36 SIZE
51456k
        SP37
SIZE 51456K
        SP38
SIZE 51456K
        SP39
SIZE 51456K
        SP40
SIZE 51456K
        SP41
SIZE 51456K
        SP42
SIZE 51456K,
        OVERFLOW ON SP36 SIZE
200K
        SP37
SIZE 200K
        SP38
SIZE 200K
        SP39
SIZE 200K
        SP40
SIZE 200K
        SP41
SIZE 200K
        SP42
SIZE 200K;

        CREATE DSI ORDERLIN_49_DSI
        DSO ORDERLINE_DSO
        USING(433,441)
        ALLOCATE PRIME  ON SP43 SIZE
360192K,
        OVERFLOW ON SP43 SIZE
1440K;

        CREATE DSI ORDERLIN_50_DSI
        DSO ORDERLINE_DSO
        USING(442,450)
        ALLOCATE PRIME  ON SP44 SIZE
360192K,
        OVERFLOW ON SP44 SIZE
1440K;

        CREATE DSI ORDERLIN_51_DSI
        DSO ORDERLINE_DSO
        USING(451,459)
        ALLOCATE PRIME  ON SP45 SIZE
360192K,
        OVERFLOW ON SP45 SIZE
1440K;

```

```

        CREATE DSI ORDERLIN_52_DSI
        DSO ORDERLINE_DSO
        USING(460,468)
        ALLOCATE PRIME  ON SP46 SIZE
360192K,
        OVERFLOW ON SP46 SIZE
1440K;

        CREATE DSI ORDERLIN_53_DSI
        DSO ORDERLINE_DSO
        USING(469,477)
        ALLOCATE PRIME  ON SP47 SIZE
360192K,
        OVERFLOW ON SP47 SIZE
1440K;

        CREATE DSI ORDERLIN_54_DSI
        DSO ORDERLINE_DSO
        USING(478,486)
        ALLOCATE PRIME  ON SP48 SIZE
360192K,
        OVERFLOW ON SP48 SIZE
1440K;

        CREATE DSI ORDERLIN_55_DSI
        DSO ORDERLINE_DSO
        USING(487,495)
        ALLOCATE PRIME  ON SP49 SIZE
360192K,
        OVERFLOW ON SP49 SIZE
1440K;

        CREATE DSI ORDERLIN_56_DSI
        DSO ORDERLINE_DSO
        USING(496,504)
        ALLOCATE PRIME  ON SP43 SIZE
51456k
        SP44
SIZE 51456K
        SP45
SIZE 51456K
        SP46
SIZE 51456K
        SP47
SIZE 51456K
        SP48
SIZE 51456K
        SP49
SIZE 51456K,
        OVERFLOW ON SP43 SIZE
200K
        SP44
SIZE 200K
        SP45
SIZE 200K
        SP46
SIZE 200K
        SP47
SIZE 200K
        SP48
SIZE 200K
        SP49
SIZE 200K;

        CREATE DSI ORDERLIN_57_DSI
        DSO ORDERLINE_DSO
        USING(505,513)

```

```

        ALLOCATE PRIME  ON SP50 SIZE
360192K,
        OVERFLOW ON SP50 SIZE
1440K;

        CREATE DSI ORDERLIN_58_DSI
        DSO ORDERLINE_DSO
        USING(514,522)
        ALLOCATE PRIME  ON SP51 SIZE
360192K,
        OVERFLOW ON SP51 SIZE
1440K;

        CREATE DSI ORDERLIN_59_DSI
        DSO ORDERLINE_DSO
        USING(523,531)
        ALLOCATE PRIME  ON SP52 SIZE
360192K,
        OVERFLOW ON SP52 SIZE
1440K;

        CREATE DSI ORDERLIN_60_DSI
        DSO ORDERLINE_DSO
        USING(532,540)
        ALLOCATE PRIME  ON SP53 SIZE
360192K,
        OVERFLOW ON SP53 SIZE
1440K;

        CREATE DSI ORDERLIN_61_DSI
        DSO ORDERLINE_DSO
        USING(541,549)
        ALLOCATE PRIME  ON SP54 SIZE
360192K,
        OVERFLOW ON SP54 SIZE
1440K;

        CREATE DSI ORDERLIN_62_DSI
        DSO ORDERLINE_DSO
        USING(550,558)
        ALLOCATE PRIME  ON SP55 SIZE
360192K,
        OVERFLOW ON SP55 SIZE
1440K;

        CREATE DSI ORDERLIN_63_DSI
        DSO ORDERLINE_DSO
        USING(559,567)
        ALLOCATE PRIME  ON SP56 SIZE
360192K,
        OVERFLOW ON SP56 SIZE
1440K;

        CREATE DSI ORDERLIN_64_DSI
        DSO ORDERLINE_DSO
        USING(568,576)
        ALLOCATE PRIME  ON SP50 SIZE
51456k
        SP51
SIZE 51456K
        SP52
SIZE 51456K
        SP53
SIZE 51456K
        SP54
SIZE 51456K
        SP55
SIZE 51456K

```

SIZE 51456K, 200K	SP56 OVERFLOW ON SP50 SIZE	360192K, 1440K;	ALLOCATE PRIME ON SP63 SIZE OVERFLOW ON SP63 SIZE	360192K, 1440K;	CREATE DSI ORDERLIN_77_DSI DSO ORDERLINE_DSO USING(685,693) ALLOCATE PRIME ON SP68 SIZE OVERFLOW ON SP68 SIZE
SIZE 200K	SP51		CREATE DSI ORDERLIN_72_DSI DSO ORDERLINE_DSO USING(640,648) ALLOCATE PRIME ON SP57 SIZE		
SIZE 200K	SP52				
SIZE 200K	SP53	51456k			CREATE DSI ORDERLIN_78_DSI DSO ORDERLINE_DSO USING(694,702) ALLOCATE PRIME ON SP69 SIZE
SIZE 200K	SP54	SIZE 51456K	SP58		
SIZE 200K	SP55	SIZE 51456K	SP59		
SIZE 200K;	SP56	SIZE 51456K	SP60		OVERFLOW ON SP69 SIZE
		SIZE 51456K	SP61		1440K;
CREATE DSI ORDERLIN_65_DSI DSO ORDERLINE_DSO USING(577,585) ALLOCATE PRIME ON SP57 SIZE		SIZE 51456K	SP62		CREATE DSI ORDERLIN_79_DSI DSO ORDERLINE_DSO USING(703,711) ALLOCATE PRIME ON SP70 SIZE
360192K, 1440K;	OVERFLOW ON SP57 SIZE	SIZE 51456K, 200K	SP63		360192K, 1440K;
		SIZE 200K	SP58		OVERFLOW ON SP70 SIZE
CREATE DSI ORDERLIN_66_DSI DSO ORDERLINE_DSO USING(586,594) ALLOCATE PRIME ON SP58 SIZE		SIZE 200K	SP59		CREATE DSI ORDERLIN_80_DSI DSO ORDERLINE_DSO USING(712,720) ALLOCATE PRIME ON SP64 SIZE
360192K, 1440K;	OVERFLOW ON SP58 SIZE	SIZE 200K	SP60		51456k
		SIZE 200K	SP61		SIZE 51456K
CREATE DSI ORDERLIN_67_DSI DSO ORDERLINE_DSO USING(595,603) ALLOCATE PRIME ON SP59 SIZE		SIZE 200K	SP62		SIZE 51456K
360192K, 1440K;	OVERFLOW ON SP59 SIZE	SIZE 200K;	SP63		SIZE 51456K
					SIZE 51456K
CREATE DSI ORDERLIN_68_DSI DSO ORDERLINE_DSO USING(604,612) ALLOCATE PRIME ON SP60 SIZE		CREATE DSI ORDERLIN_73_DSI DSO ORDERLINE_DSO USING(649,657) ALLOCATE PRIME ON SP64 SIZE			SIZE 51456K, 200K
360192K, 1440K;	OVERFLOW ON SP60 SIZE	360192K, 1440K;	OVERFLOW ON SP64 SIZE		OVERFLOW ON SP64 SIZE
					SP65
CREATE DSI ORDERLIN_69_DSI DSO ORDERLINE_DSO USING(613,621) ALLOCATE PRIME ON SP61 SIZE		CREATE DSI ORDERLIN_74_DSI DSO ORDERLINE_DSO USING(658,666) ALLOCATE PRIME ON SP65 SIZE			SIZE 200K
360192K, 1440K;	OVERFLOW ON SP61 SIZE	360192K, 1440K;	OVERFLOW ON SP65 SIZE		SIZE 200K
					SIZE 200K
CREATE DSI ORDERLIN_70_DSI DSO ORDERLINE_DSO USING(622,630) ALLOCATE PRIME ON SP62 SIZE		CREATE DSI ORDERLIN_75_DSI DSO ORDERLINE_DSO USING(667,675) ALLOCATE PRIME ON SP66 SIZE			SIZE 200K
360192K, 1440K;	OVERFLOW ON SP62 SIZE	360192K, 1440K;	OVERFLOW ON SP66 SIZE		SIZE 200K;
					CREATE DSI ORDERLIN_81_DSI DSO ORDERLINE_DSO USING(721,729) ALLOCATE PRIME ON SP71 SIZE
CREATE DSI ORDERLIN_71_DSI DSO ORDERLINE_DSO USING(631,639)		CREATE DSI ORDERLIN_76_DSI DSO ORDERLINE_DSO USING(676,684) ALLOCATE PRIME ON SP67 SIZE			360192K, 1440K;
		360192K, 1440K;	OVERFLOW ON SP67 SIZE		OVERFLOW ON SP71 SIZE
					CREATE DSI ORDERLIN_82_DSI DSO ORDERLINE_DSO USING(730,738)



360192K, 1440K; CREATE DSI ORDERLIN_83_DSI DSO ORDERLINE_DSO USING(739,747) ALLOCATE PRIME ON SP73 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_84_DSI DSO ORDERLINE_DSO USING(748,756) ALLOCATE PRIME ON SP74 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_85_DSI DSO ORDERLINE_DSO USING(757,765) ALLOCATE PRIME ON SP75 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_86_DSI DSO ORDERLINE_DSO USING(766,774) ALLOCATE PRIME ON SP76 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_87_DSI DSO ORDERLINE_DSO USING(775,783) ALLOCATE PRIME ON SP77 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_88_DSI DSO ORDERLINE_DSO USING(784,792) ALLOCATE PRIME ON SP71 SIZE 51456k SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K, 200K SIZE 200K SIZE 200K	ALLOCATE PRIME ON SP72 SIZE OVERFLOW ON SP72 SIZE DSO ORDERLINE_DSO USING(739,747) ALLOCATE PRIME ON SP73 SIZE OVERFLOW ON SP73 SIZE DSO ORDERLINE_DSO USING(748,756) ALLOCATE PRIME ON SP74 SIZE OVERFLOW ON SP74 SIZE DSO ORDERLINE_DSO USING(757,765) ALLOCATE PRIME ON SP75 SIZE OVERFLOW ON SP75 SIZE DSO ORDERLINE_DSO USING(766,774) ALLOCATE PRIME ON SP76 SIZE OVERFLOW ON SP76 SIZE DSO ORDERLINE_DSO USING(775,783) ALLOCATE PRIME ON SP77 SIZE OVERFLOW ON SP77 SIZE DSO ORDERLINE_DSO USING(784,792) ALLOCATE PRIME ON SP71 SIZE SP72 SP73 SP74 SP75 SP76 SP77 OVERFLOW ON SP71 SIZE SP72 SP73	SIZE 200K SIZE 200K SIZE 200K; 360192K, 1440K; CREATE DSI ORDERLIN_89_DSI DSO ORDERLINE_DSO USING(793,801) ALLOCATE PRIME ON SP78 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_90_DSI DSO ORDERLINE_DSO USING(802,810) ALLOCATE PRIME ON SP79 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_91_DSI DSO ORDERLINE_DSO USING(811,819) ALLOCATE PRIME ON SP80 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_92_DSI DSO ORDERLINE_DSO USING(820,828) ALLOCATE PRIME ON SP81 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_93_DSI DSO ORDERLINE_DSO USING(829,837) ALLOCATE PRIME ON SP82 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_94_DSI DSO ORDERLINE_DSO USING(838,846) ALLOCATE PRIME ON SP83 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_95_DSI DSO ORDERLINE_DSO USING(847,855) ALLOCATE PRIME ON SP84 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_96_DSI DSO ORDERLINE_DSO USING(856,864)	SP74 SP75 SP76 SP77 SP78 SIZE SP78 SIZE SP79 SIZE SP79 SIZE SP80 SIZE SP81 SIZE SP82 SIZE SP83 SIZE SP84 SIZE SP80 SIZE SP81 SIZE SP82 SIZE SP83 SIZE SP84 SIZE SP80 SIZE SP81 SIZE SP82 SIZE SP83 SIZE SP84 SIZE SP85 SIZE SP85 SIZE SP86 SIZE SP86 SIZE SP87 SIZE SP87 SIZE SP88 SIZE SP88 SIZE SP89 SIZE SP89 SIZE	51456k SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K SIZE 51456K, 200K SIZE 200K SIZE 200K SIZE 200K SIZE 200K SIZE 200K; CREATE DSI ORDERLIN_97_DSI DSO ORDERLINE_DSO USING(865,873) ALLOCATE PRIME ON SP85 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_98_DSI DSO ORDERLINE_DSO USING(874,882) ALLOCATE PRIME ON SP86 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_99_DSI DSO ORDERLINE_DSO USING(883,891) ALLOCATE PRIME ON SP87 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_100_DSI DSO ORDERLINE_DSO USING(892,900) ALLOCATE PRIME ON SP88 SIZE 360192K, 1440K; CREATE DSI ORDERLIN_101_DSI DSO ORDERLINE_DSO USING(901,909) ALLOCATE PRIME ON SP89 SIZE 360192K, 1440K;
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CREATE DSI ORDERLIN_102_DSI
DSO ORDERLINE_DSO
USING(910,918)
ALLOCATE PRIME ON SP90 SIZE
360192K,
OVERFLOW ON SP90 SIZE
1440K;

CREATE DSI ORDERLIN_103_DSI
DSO ORDERLINE_DSO
USING(919,927)
ALLOCATE PRIME ON SP91 SIZE
360192K,
OVERFLOW ON SP91 SIZE
1440K;

CREATE DSI ORDERLIN_104_DSI
DSO ORDERLINE_DSO
USING(928,936)
ALLOCATE PRIME ON SP85 SIZE
51456k
SP86
SIZE 51456K
SP87
SIZE 51456K
SP88
SIZE 51456K
SP89
SIZE 51456K
SP90
SIZE 51456K
SP91
SIZE 51456K,
OVERFLOW ON SP85 SIZE
200K
SP86
SIZE 200K
SP87
SIZE 200K
SP88
SIZE 200K
SP89
SIZE 200K
SP90
SIZE 200K
SP91
SIZE 200K;

CREATE DSI ORDERLIN_105_DSI
DSO ORDERLINE_DSO
USING(937,945)
ALLOCATE PRIME ON SP92 SIZE
360192K,
OVERFLOW ON SP92 SIZE
1440K;

CREATE DSI ORDERLIN_106_DSI
DSO ORDERLINE_DSO
USING(946,954)
ALLOCATE PRIME ON SP93 SIZE
360192K,
OVERFLOW ON SP93 SIZE
1440K;

CREATE DSI ORDERLIN_107_DSI
DSO ORDERLINE_DSO
USING(955,963)

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ALLOCATE PRIME ON SP94 SIZE
360192K,
OVERFLOW ON SP94 SIZE
1440K;

CREATE DSI ORDERLIN_108_DSI
DSO ORDERLINE_DSO
USING(964,972)
ALLOCATE PRIME ON SP95 SIZE
360192K,
OVERFLOW ON SP95 SIZE
1440K;

CREATE DSI ORDERLIN_109_DSI
DSO ORDERLINE_DSO
USING(973,981)
ALLOCATE PRIME ON SP96 SIZE
360192K,
OVERFLOW ON SP96 SIZE
1440K;

CREATE DSI ORDERLIN_110_DSI
DSO ORDERLINE_DSO
USING(982,990)
ALLOCATE PRIME ON SP97 SIZE
360192K,
OVERFLOW ON SP97 SIZE
1440K;

CREATE DSI ORDERLIN_111_DSI
DSO ORDERLINE_DSO
USING(991,999)
ALLOCATE PRIME ON SP98 SIZE
360192K,
OVERFLOW ON SP98 SIZE
1440K;

CREATE DSI ORDERLIN_112_DSI
DSO ORDERLINE_DSO
USING(1000,1008)
ALLOCATE PRIME ON SP92 SIZE
51456k
SP93
SIZE 51456K
SP94
SIZE 51456K
SP95
SIZE 51456K
SP96
SIZE 51456K
SP97
SIZE 51456K
SP98
SIZE 51456K,
OVERFLOW ON SP92 SIZE
200K
SP93
SIZE 200K
SP94
SIZE 200K
SP95
SIZE 200K
SP96
SIZE 200K
SP97
SIZE 200K
SP98
SIZE 200K;

```

```

CREATE DSI ORDERLIN_113_DSI
DSO ORDERLINE_DSO
USING(1009,1017)
ALLOCATE PRIME ON SP99 SIZE
360192K,
OVERFLOW ON SP99 SIZE
1440K;

CREATE DSI ORDERLIN_114_DSI
DSO ORDERLINE_DSO
USING(1018,1026)
ALLOCATE PRIME ON SP100
SIZE 360192K,
OVERFLOW ON SP100 SIZE
1440K;

CREATE DSI ORDERLIN_115_DSI
DSO ORDERLINE_DSO
USING(1027,1035)
ALLOCATE PRIME ON SP101
SIZE 360192K,
OVERFLOW ON SP101 SIZE
1440K;

CREATE DSI ORDERLIN_116_DSI
DSO ORDERLINE_DSO
USING(1036,1044)
ALLOCATE PRIME ON SP102
SIZE 360192K,
OVERFLOW ON SP102 SIZE
1440K;

CREATE DSI ORDERLIN_117_DSI
DSO ORDERLINE_DSO
USING(1045,1053)
ALLOCATE PRIME ON SP103
SIZE 360192K,
OVERFLOW ON SP103 SIZE
1440K;

CREATE DSI ORDERLIN_118_DSI
DSO ORDERLINE_DSO
USING(1054,1062)
ALLOCATE PRIME ON SP104
SIZE 360192K,
OVERFLOW ON SP104 SIZE
1440K;

CREATE DSI ORDERLIN_119_DSI
DSO ORDERLINE_DSO
USING(1063,1071)
ALLOCATE PRIME ON SP105
SIZE 360192K,
OVERFLOW ON SP105 SIZE
1440K;

CREATE DSI ORDERLIN_120_DSI
DSO ORDERLINE_DSO
USING(1072,1080)
ALLOCATE PRIME ON SP99 SIZE
51456k
SP100
SIZE 51456K
SP101
SIZE 51456K
SP102
SIZE 51456K

```

	SP103		ALLOCATE PRIME ON SP116
SIZE 51456K		CREATE DSI ORDERLIN_127_DSI	SIZE 360192K,
	SP104	DSO ORDERLINE_DSO	OVERFLOW ON SP116 SIZE
SIZE 51456K		USING(1135,1143)	1440K;
	SP105	ALLOCATE PRIME ON SP112	
SIZE 51456K,		SIZE 360192K,	CREATE DSI ORDERLIN_133_DSI
OVERFLOW ON SP99 SIZE		OVERFLOW ON SP112 SIZE	DSO ORDERLINE_DSO
200K		1440K;	USING(1189,1197)
	SP100		ALLOCATE PRIME ON SP117
SIZE 200K		CREATE DSI ORDERLIN_128_DSI	SIZE 360192K,
	SP101	DSO ORDERLINE_DSO	OVERFLOW ON SP117 SIZE
SIZE 200K		USING(1144,1152)	1440K;
	SP102	ALLOCATE PRIME ON SP106	
SIZE 200K		SIZE 51456k	CREATE DSI ORDERLIN_134_DSI
	SP103		DSO ORDERLINE_DSO
SIZE 200K		SIZE 51456K	USING(1198,1206)
	SP104		ALLOCATE PRIME ON SP118
SIZE 200K		SIZE 51456K	SIZE 360192K,
	SP105		OVERFLOW ON SP118 SIZE
SIZE 200K;		SIZE 51456K	1440K;
		SIZE 51456K	
		SIZE 51456K	CREATE DSI ORDERLIN_135_DSI
CREATE DSI ORDERLIN_121_DSI			DSO ORDERLINE_DSO
DSO ORDERLINE_DSO			USING(1207,1215)
USING(1081,1089)			ALLOCATE PRIME ON SP119
ALLOCATE PRIME ON SP106			SIZE 360192K,
SIZE 360192K,		SIZE 51456K,	OVERFLOW ON SP119 SIZE
OVERFLOW ON SP106 SIZE		200K	1440K;
1440K;			
		SIZE 200K	CREATE DSI ORDERLIN_136_DSI
			DSO ORDERLINE_DSO
CREATE DSI ORDERLIN_122_DSI		SIZE 200K	USING(1216,1224)
DSO ORDERLINE_DSO			ALLOCATE PRIME ON SP113
USING(1090,1098)		SIZE 200K	SIZE 51456k
ALLOCATE PRIME ON SP107			
SIZE 360192K,		SIZE 200K	SIZE 51456K
OVERFLOW ON SP107 SIZE			
1440K;		SIZE 200K	SIZE 51456K
		SIZE 200K	SIZE 51456K
		SIZE 200K;	SIZE 51456K
			SIZE 51456K
			SIZE 51456K
			SIZE 51456K
			SIZE 51456K,
			OVERFLOW ON SP113 SIZE
			200K
			SIZE 200K
			SIZE 200K
			SIZE 200K
			SIZE 200K
			SIZE 200K
			SIZE 200K
			SIZE 200K;
			CREATE DSI ORDERLIN_137_DSI
			DSO ORDERLINE_DSO
			USING(1225,1233)
			ALLOCATE PRIME ON SP120
			SIZE 360192K,
			OVERFLOW ON SP120 SIZE
			1440K;
			CREATE DSI ORDERLIN_132_DSI
			DSO ORDERLINE_DSO
			USING(1180,1188)

CREATE DSI ORDERLIN_138_DSI DSO ORDERLINE_DSO USING(1234,1242) ALLOCATE PRIME ON SP121	SIZE 200K	SP121	CREATE DSI ORDERLIN_152_DSI DSO ORDERLINE_DSO USING(1360,1368) ALLOCATE PRIME ON SP127		
SIZE 360192K, OVERFLOW ON SP121 SIZE			SIZE 51456k		SP128
1440K;					
CREATE DSI ORDERLIN_139_DSI DSO ORDERLINE_DSO USING(1243,1251) ALLOCATE PRIME ON SP122	SIZE 200K	SP122	SIZE 51456K		SP129
SIZE 360192K, OVERFLOW ON SP122 SIZE			SIZE 51456K		SP130
1440K;			SIZE 51456K		SP131
CREATE DSI ORDERLIN_140_DSI DSO ORDERLINE_DSO USING(1252,1260) ALLOCATE PRIME ON SP123	SIZE 200K	SP123	SIZE 51456K		SP132
SIZE 360192K, OVERFLOW ON SP123 SIZE			SIZE 51456K, OVERFLOW ON SP127 SIZE		SP133
1440K;			200K		SP128
CREATE DSI ORDERLIN_141_DSI DSO ORDERLINE_DSO USING(1261,1269) ALLOCATE PRIME ON SP124	SIZE 200K	SP124	SIZE 200K		SP129
SIZE 360192K, OVERFLOW ON SP124 SIZE			SIZE 200K		SP130
1440K;			SIZE 200K		SP131
CREATE DSI ORDERLIN_142_DSI DSO ORDERLINE_DSO USING(1270,1278) ALLOCATE PRIME ON SP125	SIZE 200K	SP125	SIZE 200K		SP132
SIZE 360192K, OVERFLOW ON SP125 SIZE			SIZE 200K		SP133
1440K;			SIZE 200K;		
CREATE DSI ORDERLIN_143_DSI DSO ORDERLINE_DSO USING(1279,1287) ALLOCATE PRIME ON SP126	SIZE 200K	SP126	CREATE DSI ORDERLIN_153_DSI DSO ORDERLINE_DSO USING(1369,1377) ALLOCATE PRIME ON SP134		
SIZE 360192K, OVERFLOW ON SP126 SIZE			SIZE 360192K, OVERFLOW ON SP134 SIZE		
1440K;			1440K;		
CREATE DSI ORDERLIN_144_DSI DSO ORDERLINE_DSO USING(1288,1296) ALLOCATE PRIME ON SP120	SIZE 200K	SP120	CREATE DSI ORDERLIN_154_DSI DSO ORDERLINE_DSO USING(1378,1386) ALLOCATE PRIME ON SP135		
SIZE 51456k			SIZE 360192K, OVERFLOW ON SP135 SIZE		
SIZE 51456K			1440K;		
SIZE 51456K			CREATE DSI ORDERLIN_155_DSI DSO ORDERLINE_DSO USING(1387,1395) ALLOCATE PRIME ON SP136		
SIZE 51456K			SIZE 360192K, OVERFLOW ON SP136 SIZE		
SIZE 51456K			1440K;		
SIZE 51456K			CREATE DSI ORDERLIN_156_DSI DSO ORDERLINE_DSO USING(1396,1404) ALLOCATE PRIME ON SP137		
SIZE 51456K			SIZE 360192K, OVERFLOW ON SP137 SIZE		
SIZE 51456K			1440K;		
SIZE 51456K,			CREATE DSI ORDERLIN_157_DSI DSO ORDERLINE_DSO USING(1405,1413)		
200K			OVERFLOW ON SP120 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_145_DSI DSO ORDERLINE_DSO USING(1297,1305) ALLOCATE PRIME ON SP127		
			SIZE 360192K, OVERFLOW ON SP127 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_146_DSI DSO ORDERLINE_DSO USING(1306,1314) ALLOCATE PRIME ON SP128		
			SIZE 360192K, OVERFLOW ON SP128 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_147_DSI DSO ORDERLINE_DSO USING(1315,1323) ALLOCATE PRIME ON SP129		
			SIZE 360192K, OVERFLOW ON SP129 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_148_DSI DSO ORDERLINE_DSO USING(1324,1332) ALLOCATE PRIME ON SP130		
			SIZE 360192K, OVERFLOW ON SP130 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_149_DSI DSO ORDERLINE_DSO USING(1333,1341) ALLOCATE PRIME ON SP131		
			SIZE 360192K, OVERFLOW ON SP131 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_150_DSI DSO ORDERLINE_DSO USING(1342,1350) ALLOCATE PRIME ON SP132		
			SIZE 360192K, OVERFLOW ON SP132 SIZE		
			1440K;		
			CREATE DSI ORDERLIN_151_DSI DSO ORDERLINE_DSO USING(1351,1359) ALLOCATE PRIME ON SP133		
			SIZE 360192K, OVERFLOW ON SP133 SIZE		
			1440K;		

ALLOCATE PRIME ON SP138 SIZE 360192K, OVERFLOW ON SP138 SIZE 1440K;	CREATE DSI ORDERLIN_163_DSI DSO ORDERLINE_DSO USING(1459,1467) ALLOCATE PRIME ON SP143 SIZE 360192K, OVERFLOW ON SP143 SIZE 1440K;	SIZE 200K SP146 SIZE 200K; SP147
CREATE DSI ORDERLIN_158_DSI DSO ORDERLINE_DSO USING(1414,1422) ALLOCATE PRIME ON SP139 SIZE 360192K, OVERFLOW ON SP139 SIZE 1440K;	CREATE DSI ORDERLIN_164_DSI DSO ORDERLINE_DSO USING(1468,1476) ALLOCATE PRIME ON SP144 SIZE 360192K, OVERFLOW ON SP144 SIZE 1440K;	CREATE DSI ORDERLIN_169_DSI DSO ORDERLINE_DSO USING(1513,1521) ALLOCATE PRIME ON SP148 SIZE 360192K, OVERFLOW ON SP148 SIZE 1440K;
CREATE DSI ORDERLIN_159_DSI DSO ORDERLINE_DSO USING(1423,1431) ALLOCATE PRIME ON SP140 SIZE 360192K, OVERFLOW ON SP140 SIZE 1440K;	CREATE DSI ORDERLIN_165_DSI DSO ORDERLINE_DSO USING(1477,1485) ALLOCATE PRIME ON SP145 SIZE 360192K, OVERFLOW ON SP145 SIZE 1440K;	CREATE DSI ORDERLIN_170_DSI DSO ORDERLINE_DSO USING(1522,1530) ALLOCATE PRIME ON SP149 SIZE 360192K, OVERFLOW ON SP149 SIZE 1440K;
CREATE DSI ORDERLIN_160_DSI DSO ORDERLINE_DSO USING(1432,1440) ALLOCATE PRIME ON SP134 SIZE 51456k SP135 SIZE 51456k SP136 SIZE 51456k SP137 SIZE 51456k SP138 SIZE 51456k SP139 SIZE 51456k SP140 SIZE 51456K, OVERFLOW ON SP134 SIZE 200K SP135 SIZE 200K SP136 SIZE 200K SP137 SIZE 200K SP138 SIZE 200K SP139 SIZE 200K SP140 SIZE 200K; SP140	CREATE DSI ORDERLIN_166_DSI DSO ORDERLINE_DSO USING(1486,1494) ALLOCATE PRIME ON SP146 SIZE 360192K, OVERFLOW ON SP146 SIZE 1440K;	CREATE DSI ORDERLIN_171_DSI DSO ORDERLINE_DSO USING(1531,1539) ALLOCATE PRIME ON SP150 SIZE 360192K, OVERFLOW ON SP150 SIZE 1440K;
CREATE DSI ORDERLIN_161_DSI DSO ORDERLINE_DSO USING(1441,1449) ALLOCATE PRIME ON SP141 SIZE 360192K, OVERFLOW ON SP141 SIZE 1440K;	CREATE DSI ORDERLIN_167_DSI DSO ORDERLINE_DSO USING(1495,1503) ALLOCATE PRIME ON SP147 SIZE 360192K, OVERFLOW ON SP147 SIZE 1440K;	CREATE DSI ORDERLIN_172_DSI DSO ORDERLINE_DSO USING(1540,1548) ALLOCATE PRIME ON SP151 SIZE 360192K, OVERFLOW ON SP151 SIZE 1440K;
CREATE DSI ORDERLIN_162_DSI DSO ORDERLINE_DSO USING(1450,1458) ALLOCATE PRIME ON SP142 SIZE 360192K, OVERFLOW ON SP142 SIZE 1440K;	CREATE DSI ORDERLIN_168_DSI DSO ORDERLINE_DSO USING(1504,1512) ALLOCATE PRIME ON SP141 SIZE 51456k SP142 SIZE 51456k SP143 SIZE 51456k SP144 SIZE 51456k SP145 SIZE 51456k SP146 SIZE 51456k SP147 SIZE 51456K, OVERFLOW ON SP141 SIZE 200K SP142 SIZE 200K SP143 SIZE 200K SP144 SIZE 200K SP145 SIZE 200K	CREATE DSI ORDERLIN_173_DSI DSO ORDERLINE_DSO USING(1549,1557) ALLOCATE PRIME ON SP152 SIZE 360192K, OVERFLOW ON SP152 SIZE 1440K;
		CREATE DSI ORDERLIN_174_DSI DSO ORDERLINE_DSO USING(1558,1566) ALLOCATE PRIME ON SP153 SIZE 360192K, OVERFLOW ON SP153 SIZE 1440K;
		CREATE DSI ORDERLIN_175_DSI DSO ORDERLINE_DSO USING(1567,1575) ALLOCATE PRIME ON SP154 SIZE 360192K, OVERFLOW ON SP154 SIZE 1440K;
		CREATE DSI ORDERLIN_176_DSI DSO ORDERLINE_DSO USING(1576,1584) ALLOCATE PRIME ON SP148 SIZE 51456k SP149 SIZE 51456k

SIZE 51456K	SP150	ALLOCATE PRIME ON SP160	CREATE DSI ORDERLIN_188_DSI
	SP151	SIZE 360192K,	DSO ORDERLINE_DSO
SIZE 51456K		OVERFLOW ON SP160 SIZE	USING(1684,1692)
	SP152	1440K;	ALLOCATE PRIME ON SP165
SIZE 51456K		CREATE DSI ORDERLIN_183_DSI	SIZE 360192K,
	SP153	DSO ORDERLINE_DSO	OVERFLOW ON SP165 SIZE
SIZE 51456K		USING(1639,1647)	1440K;
	SP154	ALLOCATE PRIME ON SP161	CREATE DSI ORDERLIN_189_DSI
SIZE 51456K,		SIZE 360192K,	DSO ORDERLINE_DSO
OVERFLOW ON SP148 SIZE		OVERFLOW ON SP161 SIZE	USING(1693,1701)
200K	SP149	1440K;	ALLOCATE PRIME ON SP166
SIZE 200K		CREATE DSI ORDERLIN_184_DSI	SIZE 360192K,
	SP150	DSO ORDERLINE_DSO	OVERFLOW ON SP166 SIZE
SIZE 200K		USING(1648,1656)	1440K;
	SP151	ALLOCATE PRIME ON SP155	CREATE DSI ORDERLIN_190_DSI
SIZE 200K		SIZE 51456k	DSO ORDERLINE_DSO
	SP152		USING(1702,1710)
SIZE 200K		SIZE 51456K	ALLOCATE PRIME ON SP167
	SP153		SIZE 360192K,
SIZE 200K		SIZE 51456K	OVERFLOW ON SP167 SIZE
	SP154		1440K;
SIZE 200K;		SIZE 51456K	CREATE DSI ORDERLIN_191_DSI
		SIZE 51456K	DSO ORDERLINE_DSO
CREATE DSI ORDERLIN_177_DSI		SIZE 51456K	USING(1711,1719)
DSO ORDERLINE_DSO		SIZE 51456K,	ALLOCATE PRIME ON SP168
USING(1585,1593)		OVERFLOW ON SP155 SIZE	SIZE 360192K,
ALLOCATE PRIME ON SP155		200K	OVERFLOW ON SP168 SIZE
SIZE 360192K,			1440K;
OVERFLOW ON SP155 SIZE		SIZE 200K	CREATE DSI ORDERLIN_192_DSI
1440K;		SIZE 200K	DSO ORDERLINE_DSO
		SIZE 200K	USING(1720,1728)
CREATE DSI ORDERLIN_178_DSI		SIZE 200K	ALLOCATE PRIME ON SP162
DSO ORDERLINE_DSO		SIZE 200K	SIZE 51456k
USING(1594,1602)		SIZE 200K	SP163
ALLOCATE PRIME ON SP156		SIZE 200K	SIZE 51456K
SIZE 360192K,		SIZE 200K	SP164
OVERFLOW ON SP156 SIZE		SIZE 200K	SIZE 51456K
1440K;		SIZE 200K	SP165
		SIZE 200K	SIZE 51456K
CREATE DSI ORDERLIN_179_DSI		SIZE 200K;	SP166
DSO ORDERLINE_DSO			SIZE 51456K
USING(1603,1611)		CREATE DSI ORDERLIN_185_DSI	SP167
ALLOCATE PRIME ON SP157		DSO ORDERLINE_DSO	SP168
SIZE 360192K,		USING(1657,1665)	SIZE 51456K,
OVERFLOW ON SP157 SIZE		ALLOCATE PRIME ON SP162	OVERFLOW ON SP162 SIZE
1440K;		SIZE 360192K,	200K
		OVERFLOW ON SP162 SIZE	SP163
CREATE DSI ORDERLIN_180_DSI		1440K;	SIZE 200K
DSO ORDERLINE_DSO			SP164
USING(1612,1620)		CREATE DSI ORDERLIN_186_DSI	SIZE 200K
ALLOCATE PRIME ON SP158		DSO ORDERLINE_DSO	SP165
SIZE 360192K,		USING(1666,1674)	SIZE 200K
OVERFLOW ON SP158 SIZE		ALLOCATE PRIME ON SP163	SIZE 200K
1440K;		SIZE 360192K,	SP166
		OVERFLOW ON SP163 SIZE	SIZE 200K
CREATE DSI ORDERLIN_181_DSI		1440K;	SIZE 200K
DSO ORDERLINE_DSO			SP167
USING(1621,1629)		CREATE DSI ORDERLIN_187_DSI	SIZE 200K
ALLOCATE PRIME ON SP159		DSO ORDERLINE_DSO	SP168
SIZE 360192K,		USING(1675,1683)	SIZE 200K;
OVERFLOW ON SP159 SIZE		ALLOCATE PRIME ON SP164	CREATE DSI ORDERLIN_193_DSI
1440K;		SIZE 360192K,	DSO ORDERLINE_DSO
		OVERFLOW ON SP164 SIZE	USING(1729,1737)
CREATE DSI ORDERLIN_182_DSI		1440K;	
DSO ORDERLINE_DSO			
USING(1630,1638)			

ALLOCATE PRIME ON SP169  
 SIZE 360192K,  
 OVERFLOW ON SP169 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_194\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1738,1746)  
 ALLOCATE PRIME ON SP170  
 SIZE 360192K,  
 OVERFLOW ON SP170 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_195\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1747,1755)  
 ALLOCATE PRIME ON SP171  
 SIZE 360192K,  
 OVERFLOW ON SP171 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_196\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1756,1764)  
 ALLOCATE PRIME ON SP172  
 SIZE 360192K,  
 OVERFLOW ON SP172 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_197\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1765,1773)  
 ALLOCATE PRIME ON SP173  
 SIZE 360192K,  
 OVERFLOW ON SP173 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_198\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1774,1782)  
 ALLOCATE PRIME ON SP174  
 SIZE 360192K,  
 OVERFLOW ON SP174 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_199\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1783,1791)  
 ALLOCATE PRIME ON SP175  
 SIZE 360192K,  
 OVERFLOW ON SP175 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_200\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1792,1800)  
 ALLOCATE PRIME ON SP169  
 SIZE 51456k  
 SP170  
 SIZE 51456K  
 SP171  
 SIZE 51456K  
 SP172  
 SIZE 51456K  
 SP173  
 SIZE 51456K  
 SP174  
 SIZE 51456K

SIZE 51456K,  
 OVERFLOW ON SP169 SIZE  
 200K  
 SP175  
  
 SIZE 200K  
 SP170  
 SIZE 200K  
 SP171  
 SIZE 200K  
 SP172  
 SIZE 200K  
 SP173  
 SIZE 200K  
 SP174  
 SIZE 200K  
 SP175  
  
 CREATE DSI ORDERLIN\_201\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1801,1809)  
 ALLOCATE PRIME ON SP176  
 SIZE 360192K,  
 OVERFLOW ON SP176 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_202\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1810,1818)  
 ALLOCATE PRIME ON SP177  
 SIZE 360192K,  
 OVERFLOW ON SP177 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_203\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1819,1827)  
 ALLOCATE PRIME ON SP178  
 SIZE 360192K,  
 OVERFLOW ON SP178 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_204\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1828,1836)  
 ALLOCATE PRIME ON SP179  
 SIZE 360192K,  
 OVERFLOW ON SP179 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_205\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1837,1845)  
 ALLOCATE PRIME ON SP180  
 SIZE 360192K,  
 OVERFLOW ON SP180 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_206\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1846,1854)  
 ALLOCATE PRIME ON SP181  
 SIZE 360192K,  
 OVERFLOW ON SP181 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_207\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1855,1863)

ALLOCATE PRIME ON SP182  
 SIZE 360192K,  
 OVERFLOW ON SP182 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_208\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1864,1872)  
 ALLOCATE PRIME ON SP176  
 SIZE 51456k  
 SP177  
 SIZE 51456K  
 SP178  
 SIZE 51456K  
 SP179  
 SIZE 51456K  
 SP180  
 SIZE 51456K  
 SP181  
 SIZE 51456K,  
 OVERFLOW ON SP176 SIZE  
 200K  
 SP177  
 SIZE 200K  
 SP178  
 SIZE 200K  
 SP179  
 SIZE 200K  
 SP180  
 SIZE 200K  
 SP181  
 SIZE 200K  
 SP182  
  
 CREATE DSI ORDERLIN\_209\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1873,1881)  
 ALLOCATE PRIME ON SP183  
 SIZE 360192K,  
 OVERFLOW ON SP183 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_210\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1882,1890)  
 ALLOCATE PRIME ON SP184  
 SIZE 360192K,  
 OVERFLOW ON SP184 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_211\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1891,1899)  
 ALLOCATE PRIME ON SP185  
 SIZE 360192K,  
 OVERFLOW ON SP185 SIZE  
 1440K;  
  
 CREATE DSI ORDERLIN\_212\_DSI  
 DSO ORDERLINE\_DSO  
 USING(1900,1908)  
 ALLOCATE PRIME ON SP186  
 SIZE 360192K,  
 OVERFLOW ON SP186 SIZE  
 1440K;

CREATE DSI ORDERLIN_213_DSI DSO ORDERLINE_DSO USING(1909,1917) ALLOCATE PRIME ON SP187 SIZE 360192K, OVERFLOW ON SP187 SIZE 1440K;	ALLOCATE PRIME ON SP191 SIZE 360192K, OVERFLOW ON SP191 SIZE 1440K;	SIZE 200K SP193
CREATE DSI ORDERLIN_214_DSI DSO ORDERLINE_DSO USING(1918,1926) ALLOCATE PRIME ON SP188 SIZE 360192K, OVERFLOW ON SP188 SIZE 1440K;	CREATE DSI ORDERLIN_219_DSI DSO ORDERLINE_DSO USING(1963,1971) ALLOCATE PRIME ON SP192 SIZE 360192K, OVERFLOW ON SP192 SIZE 1440K;	SIZE 200K SP194
CREATE DSI ORDERLIN_215_DSI DSO ORDERLINE_DSO USING(1927,1935) ALLOCATE PRIME ON SP189 SIZE 360192K, OVERFLOW ON SP189 SIZE 1440K;	CREATE DSI ORDERLIN_220_DSI DSO ORDERLINE_DSO USING(1972,1980) ALLOCATE PRIME ON SP193 SIZE 360192K, OVERFLOW ON SP193 SIZE 1440K;	SIZE 200K SP195
CREATE DSI ORDERLIN_216_DSI DSO ORDERLINE_DSO USING(1936,1944) ALLOCATE PRIME ON SP183 SIZE 51456k SP184	CREATE DSI ORDERLIN_221_DSI DSO ORDERLINE_DSO USING(1981,1989) ALLOCATE PRIME ON SP194 SIZE 360192K, OVERFLOW ON SP194 SIZE 1440K;	SIZE 200K SP196
SIZE 51456k SP185	CREATE DSI ORDERLIN_222_DSI DSO ORDERLINE_DSO USING(1990,1998) ALLOCATE PRIME ON SP195 SIZE 360192K, OVERFLOW ON SP195 SIZE 1440K;	CREATE DSI ORDERLIN_225_DSI DSO ORDERLINE_DSO USING(2017,2025) ALLOCATE PRIME ON SP197 SIZE 360192K, OVERFLOW ON SP197 SIZE 1440K;
SIZE 51456k SP186	CREATE DSI ORDERLIN_223_DSI DSO ORDERLINE_DSO USING(1999,2007) ALLOCATE PRIME ON SP196 SIZE 360192K, OVERFLOW ON SP196 SIZE 1440K;	CREATE DSI ORDERLIN_226_DSI DSO ORDERLINE_DSO USING(2026,2034) ALLOCATE PRIME ON SP198 SIZE 360192K, OVERFLOW ON SP198 SIZE 1440K;
SIZE 51456k SP187	CREATE DSI ORDERLIN_224_DSI DSO ORDERLINE_DSO USING(2008,2016) ALLOCATE PRIME ON SP190 SIZE 51456k SP191	CREATE DSI ORDERLIN_227_DSI DSO ORDERLINE_DSO USING(2035,2043) ALLOCATE PRIME ON SP199 SIZE 360192K, OVERFLOW ON SP199 SIZE 1440K;
SIZE 51456k SP188	CREATE DSI ORDERLIN_225_DSI DSO ORDERLINE_DSO USING(2053,2061) ALLOCATE PRIME ON SP201 SIZE 360192K, OVERFLOW ON SP201 SIZE 1440K;	CREATE DSI ORDERLIN_228_DSI DSO ORDERLINE_DSO USING(2044,2052) ALLOCATE PRIME ON SP200 SIZE 360192K, OVERFLOW ON SP200 SIZE 1440K;
SIZE 51456k SP189	CREATE DSI ORDERLIN_226_DSI DSO ORDERLINE_DSO USING(2062,2070) ALLOCATE PRIME ON SP202 SIZE 360192K, OVERFLOW ON SP202 SIZE 1440K;	CREATE DSI ORDERLIN_229_DSI DSO ORDERLINE_DSO USING(2071,2079) ALLOCATE PRIME ON SP203 SIZE 360192K, OVERFLOW ON SP203 SIZE 1440K;
SIZE 200K SP184	CREATE DSI ORDERLIN_227_DSI DSO ORDERLINE_DSO USING(2080,2088) SIZE 200K SP192	CREATE DSI ORDERLIN_230_DSI DSO ORDERLINE_DSO USING(2062,2070) ALLOCATE PRIME ON SP202 SIZE 360192K, OVERFLOW ON SP202 SIZE 1440K;
SIZE 200K SP185	CREATE DSI ORDERLIN_228_DSI DSO ORDERLINE_DSO USING(2071,2079) ALLOCATE PRIME ON SP203 SIZE 360192K, OVERFLOW ON SP203 SIZE 1440K;	CREATE DSI ORDERLIN_231_DSI DSO ORDERLINE_DSO USING(2071,2079) ALLOCATE PRIME ON SP203 SIZE 360192K, OVERFLOW ON SP203 SIZE 1440K;
SIZE 200K SP186	CREATE DSI ORDERLIN_229_DSI DSO ORDERLINE_DSO USING(2053,2061) ALLOCATE PRIME ON SP201 SIZE 360192K, OVERFLOW ON SP201 SIZE 1440K;	CREATE DSI ORDERLIN_232_DSI DSO ORDERLINE_DSO USING(2080,2088) SIZE 200K SP191
SIZE 200K SP187	CREATE DSI ORDERLIN_230_DSI DSO ORDERLINE_DSO USING(2062,2070) ALLOCATE PRIME ON SP202 SIZE 360192K, OVERFLOW ON SP202 SIZE 1440K;	CREATE DSI ORDERLIN_233_DSI DSO ORDERLINE_DSO USING(2080,2088) SIZE 200K SP192
SIZE 200K SP188	CREATE DSI ORDERLIN_231_DSI DSO ORDERLINE_DSO USING(2071,2079) ALLOCATE PRIME ON SP203 SIZE 360192K, OVERFLOW ON SP203 SIZE 1440K;	
SIZE 200K SP189	CREATE DSI ORDERLIN_232_DSI DSO ORDERLINE_DSO USING(2080,2088) SIZE 200K SP191	
SIZE 200K; SP184	CREATE DSI ORDERLIN_233_DSI DSO ORDERLINE_DSO USING(2080,2088) SIZE 200K SP192	
CREATE DSI ORDERLIN_217_DSI DSO ORDERLINE_DSO USING(1945,1953) ALLOCATE PRIME ON SP190 SIZE 360192K, OVERFLOW ON SP190 SIZE 1440K;	CREATE DSI ORDERLIN_218_DSI DSO ORDERLINE_DSO USING(1954,1962) SIZE 200K SP191	



ALLOCATE PRIME ON SP197  
 SIZE 51456k  
 SP198  
 SIZE 51456K  
 SP199  
 SIZE 51456K  
 SP200  
 SIZE 51456K  
 SP201  
 SIZE 51456K  
 SP202  
 SIZE 51456K  
 SP203  
 SIZE 51456K,  
 OVERFLOW ON SP197 SIZE  
 200K  
 SP198  
 SIZE 200K  
 SP199  
 SIZE 200K  
 SP200  
 SIZE 200K  
 SP201  
 SIZE 200K  
 SP202  
 SIZE 200K  
 SP203  
 SIZE 200K;  
 CREATE DSI ORDERLIN\_233\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2089,2097)  
 ALLOCATE PRIME ON SP204  
 SIZE 360192K,  
 OVERFLOW ON SP204 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_234\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2098,2106)  
 ALLOCATE PRIME ON SP205  
 SIZE 360192K,  
 OVERFLOW ON SP205 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_235\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2107,2115)  
 ALLOCATE PRIME ON SP206  
 SIZE 360192K,  
 OVERFLOW ON SP206 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_236\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2116,2124)  
 ALLOCATE PRIME ON SP207  
 SIZE 360192K,  
 OVERFLOW ON SP207 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_237\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2125,2133)  
 ALLOCATE PRIME ON SP208  
 SIZE 360192K,  
 OVERFLOW ON SP208 SIZE  
 1440K;

CREATE DSI ORDERLIN\_238\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2134,2142)  
 ALLOCATE PRIME ON SP209  
 SIZE 360192K,  
 OVERFLOW ON SP209 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_239\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2143,2151)  
 ALLOCATE PRIME ON SP210  
 SIZE 360192K,  
 OVERFLOW ON SP210 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_240\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2152,2160)  
 ALLOCATE PRIME ON SP204  
 SIZE 51456k  
 SP205  
 SIZE 51456K  
 SP206  
 SIZE 51456K  
 SP207  
 SIZE 51456K  
 SP208  
 SIZE 51456K  
 SP209  
 SIZE 51456K  
 SP210  
 SIZE 51456K,  
 OVERFLOW ON SP204 SIZE  
 200K  
 SP205  
 SIZE 200K  
 SP206  
 SIZE 200K  
 SP207  
 SIZE 200K  
 SP208  
 SIZE 200K  
 SP209  
 SIZE 200K  
 SP210  
 SIZE 200K;  
 CREATE DSI ORDERLIN\_241\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2161,2169)  
 ALLOCATE PRIME ON SP211  
 SIZE 360192K,  
 OVERFLOW ON SP211 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_242\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2170,2178)  
 ALLOCATE PRIME ON SP212  
 SIZE 360192K,  
 OVERFLOW ON SP212 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_243\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2179,2187)

ALLOCATE PRIME ON SP213  
 SIZE 360192K,  
 OVERFLOW ON SP213 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_244\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2188,2196)  
 ALLOCATE PRIME ON SP214  
 SIZE 360192K,  
 OVERFLOW ON SP214 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_245\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2197,2205)  
 ALLOCATE PRIME ON SP215  
 SIZE 360192K,  
 OVERFLOW ON SP215 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_246\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2206,2214)  
 ALLOCATE PRIME ON SP216  
 SIZE 360192K,  
 OVERFLOW ON SP216 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_247\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2215,2223)  
 ALLOCATE PRIME ON SP217  
 SIZE 360192K,  
 OVERFLOW ON SP217 SIZE  
 1440K;  
 CREATE DSI ORDERLIN\_248\_DSI  
 DSO ORDERLINE\_DSO  
 USING(2224,4464)  
 ALLOCATE PRIME ON SP211  
 SIZE 51456k  
 SP212  
 SIZE 51456K  
 SP213  
 SIZE 51456K  
 SP214  
 SIZE 51456K  
 SP215  
 SIZE 51456K  
 SP216  
 SIZE 51456K  
 SP217  
 SIZE 51456K,  
 OVERFLOW ON SP211 SIZE  
 200K  
 SP212  
 SIZE 200K  
 SP213  
 SIZE 200K  
 SP214  
 SIZE 200K  
 SP215  
 SIZE 200K  
 SP216  
 SIZE 200K  
 SP217  
 SIZE 200K;

-----	DSO HISTORY_DSO		SP25
-----	USING(109,126)		
-----	ALLOCATE DATA ON SP11 SIZE		SIZE 15168K;
-- * Phase.2-7: History	15168K		CREATE DSI HISTORY_15_DSI
-----		SP12	DSO HISTORY_DSO
	SIZE 30336K		USING(253,270)
		SP13	ALLOCATE DATA ON SP25 SIZE
CREATE DSO HISTORY_DSO	SIZE 7584K;		15168K
FROM TPCC_SCHEMA.HISTORY			
TYPE			SP26
SEQUENTIAL(PAGESIZE(4),ORDER(0))	CREATE DSI HISTORY_8_DSI		SIZE 30336K
WHERE (H_W_ID) BETWEEN	DSO HISTORY_DSO		SP27
(?) AND (?);	USING(127,144)		SIZE 7584K;
	ALLOCATE DATA ON SP13 SIZE		
CREATE DSI HISTORY_1_DSI	22752K		CREATE DSI HISTORY_16_DSI
DSO HISTORY_DSO		SP14	DSO HISTORY_DSO
USING(1,18)	SIZE 30336K;		USING(271,288)
ALLOCATE DATA ON SP1 SIZE			ALLOCATE DATA ON SP27 SIZE
30336K			22752K
	CREATE DSI HISTORY_9_DSI		SP28
SIZE 22752K;	DSO HISTORY_DSO		SIZE 30336K;
	USING(145,162)		
CREATE DSI HISTORY_2_DSI	ALLOCATE DATA ON SP15 SIZE		CREATE DSI HISTORY_17_DSI
DSO HISTORY_DSO	30336K		DSO HISTORY_DSO
USING(19,36)	SIZE 22752K;	SP16	USING(289,306)
ALLOCATE DATA ON SP2 SIZE			ALLOCATE DATA ON SP29 SIZE
7584K			30336K
	CREATE DSI HISTORY_10_DSI		SP30
SIZE 30336K	DSO HISTORY_DSO		SIZE 22752K;
	USING(163,180)		
SIZE 15168K;	ALLOCATE DATA ON SP16 SIZE		CREATE DSI HISTORY_18_DSI
	7584K		DSO HISTORY_DSO
		SP17	USING(307,324)
CREATE DSI HISTORY_3_DSI	SIZE 30336K		ALLOCATE DATA ON SP30 SIZE
DSO HISTORY_DSO	SIZE 15168K;	SP18	7584K
USING(37,54)			SP31
ALLOCATE DATA ON SP4 SIZE			SIZE 30336K
15168K	CREATE DSI HISTORY_11_DSI		SP32
	DSO HISTORY_DSO		SIZE 15168K;
SIZE 30336K	USING(181,198)		
	ALLOCATE DATA ON SP18 SIZE		CREATE DSI HISTORY_19_DSI
SIZE 7584K;	15168K		DSO HISTORY_DSO
		SP19	USING(325,342)
CREATE DSI HISTORY_4_DSI	SIZE 30336K		ALLOCATE DATA ON SP32 SIZE
DSO HISTORY_DSO	SIZE 7584K;	SP20	15168K
USING(55,72)			SP33
ALLOCATE DATA ON SP6 SIZE			SIZE 30336K
22752K	CREATE DSI HISTORY_12_DSI		SP34
	DSO HISTORY_DSO		SIZE 7584K;
SIZE 30336K;	USING(199,216)		
	ALLOCATE DATA ON SP20 SIZE		CREATE DSI HISTORY_20_DSI
CREATE DSI HISTORY_5_DSI	22752K		DSO HISTORY_DSO
DSO HISTORY_DSO	SIZE 30336K;	SP21	USING(343,360)
USING(73,90)			ALLOCATE DATA ON SP34 SIZE
ALLOCATE DATA ON SP8 SIZE			22752K
30336K	CREATE DSI HISTORY_13_DSI		SP35
	DSO HISTORY_DSO		SIZE 30336K;
SIZE 22752K;	USING(217,234)		
	ALLOCATE DATA ON SP22 SIZE		CREATE DSI HISTORY_21_DSI
CREATE DSI HISTORY_6_DSI	30336K		DSO HISTORY_DSO
DSO HISTORY_DSO	SIZE 22752K;	SP23	USING(361,378)
USING(91,108)			ALLOCATE DATA ON SP36 SIZE
ALLOCATE DATA ON SP9 SIZE			30336K
7584K	CREATE DSI HISTORY_14_DSI		SP37
	DSO HISTORY_DSO		SIZE 22752K;
SIZE 30336K	USING(235,252)		
	ALLOCATE DATA ON SP23 SIZE		CREATE DSI HISTORY_22_DSI
SIZE 15168K;	7584K		DSO HISTORY_DSO
		SP24	USING(379,396)
CREATE DSI HISTORY_7_DSI	SIZE 30336K		

ALLOCATE DATA ON SP37 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_23\_DSI  
 DSO HISTORY\_DSO  
 USING(397,414)  
 ALLOCATE DATA ON SP39 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_24\_DSI  
 DSO HISTORY\_DSO  
 USING(415,432)  
 ALLOCATE DATA ON SP41 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_25\_DSI  
 DSO HISTORY\_DSO  
 USING(433,450)  
 ALLOCATE DATA ON SP43 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_26\_DSI  
 DSO HISTORY\_DSO  
 USING(451,468)  
 ALLOCATE DATA ON SP44 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_27\_DSI  
 DSO HISTORY\_DSO  
 USING(469,486)  
 ALLOCATE DATA ON SP46 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_28\_DSI  
 DSO HISTORY\_DSO  
 USING(487,504)  
 ALLOCATE DATA ON SP48 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_29\_DSI  
 DSO HISTORY\_DSO  
 USING(505,522)  
 ALLOCATE DATA ON SP50 SIZE  
 30336K  
 SIZE 22752K;  
 SP38  
 SP39  
 SP40  
 SP41  
 SP42  
 SP43  
 SP44  
 SP45  
 SP46  
 SP47  
 SP48  
 SP49  
 SP51

CREATE DSI HISTORY\_30\_DSI  
 DSO HISTORY\_DSO  
 USING(523,540)  
 ALLOCATE DATA ON SP51 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_31\_DSI  
 DSO HISTORY\_DSO  
 USING(541,558)  
 ALLOCATE DATA ON SP53 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_32\_DSI  
 DSO HISTORY\_DSO  
 USING(559,576)  
 ALLOCATE DATA ON SP55 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_33\_DSI  
 DSO HISTORY\_DSO  
 USING(577,594)  
 ALLOCATE DATA ON SP57 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_34\_DSI  
 DSO HISTORY\_DSO  
 USING(595,612)  
 ALLOCATE DATA ON SP58 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_35\_DSI  
 DSO HISTORY\_DSO  
 USING(613,630)  
 ALLOCATE DATA ON SP60 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_36\_DSI  
 DSO HISTORY\_DSO  
 USING(631,648)  
 ALLOCATE DATA ON SP62 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_37\_DSI  
 DSO HISTORY\_DSO  
 USING(649,666)  
 SP52  
 SP53  
 SP54  
 SP55  
 SP56  
 SP58  
 SP59  
 SP60  
 SP61  
 SP62  
 SP63

ALLOCATE DATA ON SP64 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_38\_DSI  
 DSO HISTORY\_DSO  
 USING(667,684)  
 ALLOCATE DATA ON SP65 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_39\_DSI  
 DSO HISTORY\_DSO  
 USING(685,702)  
 ALLOCATE DATA ON SP67 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_40\_DSI  
 DSO HISTORY\_DSO  
 USING(703,720)  
 ALLOCATE DATA ON SP69 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_41\_DSI  
 DSO HISTORY\_DSO  
 USING(721,738)  
 ALLOCATE DATA ON SP71 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_42\_DSI  
 DSO HISTORY\_DSO  
 USING(739,756)  
 ALLOCATE DATA ON SP72 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_43\_DSI  
 DSO HISTORY\_DSO  
 USING(757,774)  
 ALLOCATE DATA ON SP74 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_44\_DSI  
 DSO HISTORY\_DSO  
 USING(775,792)  
 ALLOCATE DATA ON SP76 SIZE  
 22752K  
 SIZE 30336K;  
 SP65  
 SP66  
 SP67  
 SP68  
 SP69  
 SP70  
 SP72  
 SP73  
 SP74  
 SP75  
 SP76  
 SP77

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CREATE DSI HISTORY_45_DSI
DSO HISTORY_DSO
USING(793,810)
ALLOCATE DATA ON SP78 SIZE
30336K
SP79
SIZE 22752K;

CREATE DSI HISTORY_46_DSI
DSO HISTORY_DSO
USING(811,828)
ALLOCATE DATA ON SP79 SIZE
7584K
SP80
SIZE 30336K
SP81
SIZE 15168K;

CREATE DSI HISTORY_47_DSI
DSO HISTORY_DSO
USING(829,846)
ALLOCATE DATA ON SP81 SIZE
15168K
SP82
SIZE 30336K
SP83
SIZE 7584K;

CREATE DSI HISTORY_48_DSI
DSO HISTORY_DSO
USING(847,864)
ALLOCATE DATA ON SP83 SIZE
22752K
SP84
SIZE 30336K;

CREATE DSI HISTORY_49_DSI
DSO HISTORY_DSO
USING(865,882)
ALLOCATE DATA ON SP85 SIZE
30336K
SP86
SIZE 22752K;

CREATE DSI HISTORY_50_DSI
DSO HISTORY_DSO
USING(883,900)
ALLOCATE DATA ON SP86 SIZE
7584K
SP87
SIZE 30336K
SP88
SIZE 15168K;

CREATE DSI HISTORY_51_DSI
DSO HISTORY_DSO
USING(901,918)
ALLOCATE DATA ON SP88 SIZE
15168K
SP89
SIZE 30336K
SP90
SIZE 7584K;

CREATE DSI HISTORY_52_DSI
DSO HISTORY_DSO
USING(919,936)

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ALLOCATE DATA ON SP90 SIZE
22752K
SP91
SIZE 30336K;

CREATE DSI HISTORY_53_DSI
DSO HISTORY_DSO
USING(937,954)
ALLOCATE DATA ON SP92 SIZE
30336K
SP93
SIZE 22752K;

CREATE DSI HISTORY_54_DSI
DSO HISTORY_DSO
USING(955,972)
ALLOCATE DATA ON SP93 SIZE
7584K
SP94
SIZE 30336K
SP95
SIZE 15168K;

CREATE DSI HISTORY_55_DSI
DSO HISTORY_DSO
USING(973,990)
ALLOCATE DATA ON SP95 SIZE
15168K
SP96
SIZE 30336K
SP97
SIZE 7584K;

CREATE DSI HISTORY_56_DSI
DSO HISTORY_DSO
USING(991,1008)
ALLOCATE DATA ON SP97 SIZE
22752K
SP98
SIZE 30336K;

CREATE DSI HISTORY_57_DSI
DSO HISTORY_DSO
USING(1009,1026)
ALLOCATE DATA ON SP99 SIZE
30336K
SP100
SIZE 22752K;

CREATE DSI HISTORY_58_DSI
DSO HISTORY_DSO
USING(1027,1044)
ALLOCATE DATA ON SP100 SIZE
7584K
SP101
SIZE 30336K
SP102
SIZE 15168K;

CREATE DSI HISTORY_59_DSI
DSO HISTORY_DSO
USING(1045,1062)
ALLOCATE DATA ON SP102 SIZE
15168K
SP103
SIZE 30336K
SP104
SIZE 7584K;

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CREATE DSI HISTORY_60_DSI
DSO HISTORY_DSO
USING(1063,1080)
ALLOCATE DATA ON SP104 SIZE
22752K
SP105
SIZE 30336K;

CREATE DSI HISTORY_61_DSI
DSO HISTORY_DSO
USING(1081,1098)
ALLOCATE DATA ON SP106 SIZE
30336K
SP107
SIZE 22752K;

CREATE DSI HISTORY_62_DSI
DSO HISTORY_DSO
USING(1099,1116)
ALLOCATE DATA ON SP107 SIZE
7584K
SP108
SIZE 30336K
SP109
SIZE 15168K;

CREATE DSI HISTORY_63_DSI
DSO HISTORY_DSO
USING(1117,1134)
ALLOCATE DATA ON SP109 SIZE
15168K
SP110
SIZE 30336K
SP111
SIZE 7584K;

CREATE DSI HISTORY_64_DSI
DSO HISTORY_DSO
USING(1135,1152)
ALLOCATE DATA ON SP111 SIZE
22752K
SP112
SIZE 30336K;

CREATE DSI HISTORY_65_DSI
DSO HISTORY_DSO
USING(1153,1170)
ALLOCATE DATA ON SP113 SIZE
30336K
SP114
SIZE 22752K;

CREATE DSI HISTORY_66_DSI
DSO HISTORY_DSO
USING(1171,1188)
ALLOCATE DATA ON SP114 SIZE
7584K
SP115
SIZE 30336K
SP116
SIZE 15168K;

CREATE DSI HISTORY_67_DSI
DSO HISTORY_DSO
USING(1189,1206)
ALLOCATE DATA ON SP116 SIZE
15168K

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SIZE 30336K	SP117	DSO HISTORY_DSO USING(1333,1350)		SIZE 15168K;	SP144
	SP118	ALLOCATE DATA ON SP130 SIZE		CREATE DSI HISTORY_83_DSI DSO HISTORY_DSO USING(1477,1494)	
SIZE 7584K;		15168K	SP131	ALLOCATE DATA ON SP144 SIZE	
CREATE DSI HISTORY_68_DSI DSO HISTORY_DSO USING(1207,1224)		SIZE 30336K	SP132	15168K	SP145
ALLOCATE DATA ON SP118 SIZE		SIZE 7584K;			
22752K		CREATE DSI HISTORY_76_DSI DSO HISTORY_DSO USING(1351,1368)		SIZE 30336K	SP146
SIZE 30336K;	SP119	ALLOCATE DATA ON SP132 SIZE		SIZE 7584K;	
CREATE DSI HISTORY_69_DSI DSO HISTORY_DSO USING(1225,1242)		22752K	SP133	CREATE DSI HISTORY_84_DSI DSO HISTORY_DSO USING(1495,1512)	
ALLOCATE DATA ON SP120 SIZE		SIZE 30336K;		ALLOCATE DATA ON SP146 SIZE	
30336K		CREATE DSI HISTORY_77_DSI DSO HISTORY_DSO USING(1369,1386)		22752K	SP147
SIZE 22752K;	SP121	ALLOCATE DATA ON SP134 SIZE		SIZE 30336K;	
CREATE DSI HISTORY_70_DSI DSO HISTORY_DSO USING(1243,1260)		30336K	SP135	CREATE DSI HISTORY_85_DSI DSO HISTORY_DSO USING(1513,1530)	
ALLOCATE DATA ON SP121 SIZE		SIZE 22752K;		ALLOCATE DATA ON SP148 SIZE	
7584K		CREATE DSI HISTORY_78_DSI DSO HISTORY_DSO USING(1387,1404)		30336K	SP149
SIZE 30336K	SP122	ALLOCATE DATA ON SP135 SIZE		SIZE 22752K;	
SIZE 15168K;	SP123	7584K	SP136	CREATE DSI HISTORY_86_DSI DSO HISTORY_DSO USING(1531,1548)	
CREATE DSI HISTORY_71_DSI DSO HISTORY_DSO USING(1261,1278)		SIZE 30336K	SP137	ALLOCATE DATA ON SP149 SIZE	
ALLOCATE DATA ON SP123 SIZE		SIZE 15168K;		7584K	SP150
15168K		CREATE DSI HISTORY_79_DSI DSO HISTORY_DSO USING(1405,1422)		SIZE 30336K	SP151
SIZE 30336K	SP124	ALLOCATE DATA ON SP137 SIZE		SIZE 15168K;	
SIZE 7584K;	SP125	15168K	SP138	CREATE DSI HISTORY_87_DSI DSO HISTORY_DSO USING(1549,1566)	
CREATE DSI HISTORY_72_DSI DSO HISTORY_DSO USING(1279,1296)		SIZE 30336K	SP139	ALLOCATE DATA ON SP151 SIZE	
ALLOCATE DATA ON SP125 SIZE		SIZE 7584K;		15168K	SP152
22752K		CREATE DSI HISTORY_80_DSI DSO HISTORY_DSO USING(1423,1440)		SIZE 30336K	SP153
SIZE 30336K;	SP126	ALLOCATE DATA ON SP139 SIZE		SIZE 7584K;	
CREATE DSI HISTORY_73_DSI DSO HISTORY_DSO USING(1297,1314)		22752K	SP140	CREATE DSI HISTORY_88_DSI DSO HISTORY_DSO USING(1567,1584)	
ALLOCATE DATA ON SP127 SIZE		SIZE 30336K;		ALLOCATE DATA ON SP153 SIZE	
30336K		CREATE DSI HISTORY_81_DSI DSO HISTORY_DSO USING(1441,1458)		22752K	SP154
SIZE 22752K;	SP128	ALLOCATE DATA ON SP141 SIZE		SIZE 30336K;	
CREATE DSI HISTORY_74_DSI DSO HISTORY_DSO USING(1315,1332)		30336K	SP142	CREATE DSI HISTORY_89_DSI DSO HISTORY_DSO USING(1585,1602)	
ALLOCATE DATA ON SP128 SIZE		SIZE 22752K;		ALLOCATE DATA ON SP155 SIZE	
7584K		CREATE DSI HISTORY_82_DSI DSO HISTORY_DSO USING(1459,1476)		30336K	SP156
SIZE 30336K	SP129	ALLOCATE DATA ON SP142 SIZE		SIZE 22752K;	
SIZE 15168K;	SP130	7584K	SP143	CREATE DSI HISTORY_90_DSI DSO HISTORY_DSO USING(1603,1620)	
CREATE DSI HISTORY_75_DSI		SIZE 30336K			

ALLOCATE DATA ON SP156 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_91\_DSI  
 DSO HISTORY\_DSO  
 USING(1621,1638)  
 ALLOCATE DATA ON SP158 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_92\_DSI  
 DSO HISTORY\_DSO  
 USING(1639,1656)  
 ALLOCATE DATA ON SP160 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_93\_DSI  
 DSO HISTORY\_DSO  
 USING(1657,1674)  
 ALLOCATE DATA ON SP162 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_94\_DSI  
 DSO HISTORY\_DSO  
 USING(1675,1692)  
 ALLOCATE DATA ON SP163 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_95\_DSI  
 DSO HISTORY\_DSO  
 USING(1693,1710)  
 ALLOCATE DATA ON SP165 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_96\_DSI  
 DSO HISTORY\_DSO  
 USING(1711,1728)  
 ALLOCATE DATA ON SP167 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_97\_DSI  
 DSO HISTORY\_DSO  
 USING(1729,1746)  
 ALLOCATE DATA ON SP169 SIZE  
 30336K  
 SIZE 22752K;

CREATE DSI HISTORY\_98\_DSI  
 DSO HISTORY\_DSO  
 USING(1747,1764)  
 ALLOCATE DATA ON SP170 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_99\_DSI  
 DSO HISTORY\_DSO  
 USING(1765,1782)  
 ALLOCATE DATA ON SP172 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_100\_DSI  
 DSO HISTORY\_DSO  
 USING(1783,1800)  
 ALLOCATE DATA ON SP174 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_101\_DSI  
 DSO HISTORY\_DSO  
 USING(1801,1818)  
 ALLOCATE DATA ON SP176 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_102\_DSI  
 DSO HISTORY\_DSO  
 USING(1819,1836)  
 ALLOCATE DATA ON SP177 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_103\_DSI  
 DSO HISTORY\_DSO  
 USING(1837,1854)  
 ALLOCATE DATA ON SP179 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_104\_DSI  
 DSO HISTORY\_DSO  
 USING(1855,1872)  
 ALLOCATE DATA ON SP181 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_105\_DSI  
 DSO HISTORY\_DSO  
 USING(1873,1890)

ALLOCATE DATA ON SP183 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_106\_DSI  
 DSO HISTORY\_DSO  
 USING(1891,1908)  
 ALLOCATE DATA ON SP184 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_107\_DSI  
 DSO HISTORY\_DSO  
 USING(1909,1926)  
 ALLOCATE DATA ON SP186 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_108\_DSI  
 DSO HISTORY\_DSO  
 USING(1927,1944)  
 ALLOCATE DATA ON SP188 SIZE  
 22752K  
 SIZE 30336K;  
 CREATE DSI HISTORY\_109\_DSI  
 DSO HISTORY\_DSO  
 USING(1945,1962)  
 ALLOCATE DATA ON SP190 SIZE  
 30336K  
 SIZE 22752K;  
 CREATE DSI HISTORY\_110\_DSI  
 DSO HISTORY\_DSO  
 USING(1963,1980)  
 ALLOCATE DATA ON SP191 SIZE  
 7584K  
 SIZE 30336K  
 SIZE 15168K;  
 CREATE DSI HISTORY\_111\_DSI  
 DSO HISTORY\_DSO  
 USING(1981,1998)  
 ALLOCATE DATA ON SP193 SIZE  
 15168K  
 SIZE 30336K  
 SIZE 7584K;  
 CREATE DSI HISTORY\_112\_DSI  
 DSO HISTORY\_DSO  
 USING(1999,2016)  
 ALLOCATE DATA ON SP195 SIZE  
 22752K  
 SIZE 30336K;

CREATE DSI HISTORY_113_DSI DSO HISTORY_DSO USING(2017,2034) ALLOCATE DATA ON SP197 SIZE 30336K SP198 SIZE 22752K;	ALLOCATE DATA ON SP209 SIZE 22752K SP210 SIZE 30336K;	SP8 SIZE 1428K SP9 SIZE 1428K SP10 SIZE 1428K, OVERFLOW ON SP1 SIZE 716K;
CREATE DSI HISTORY_114_DSI DSO HISTORY_DSO USING(2035,2052) ALLOCATE DATA ON SP198 SIZE 7584K SP199 SIZE 30336K SP200 SIZE 15168K;	CREATE DSI HISTORY_121_DSI DSO HISTORY_DSO USING(2161,2178) ALLOCATE DATA ON SP211 SIZE 30336K SP212 SIZE 22752K;	<b>File: ddl_db.mak</b> -- /*=====*/ -----*/ --/* f[^x[X ` */ -- /*=====*/ -----*/ CREATE DATABASE TPCC;
CREATE DSI HISTORY_115_DSI DSO HISTORY_DSO USING(2053,2070) ALLOCATE DATA ON SP200 SIZE 15168K SP201 SIZE 30336K SP202 SIZE 7584K;	CREATE DSI HISTORY_122_DSI DSO HISTORY_DSO USING(2179,2196) ALLOCATE DATA ON SP212 SIZE 7584K SP213 SIZE 30336K SP214 SIZE 15168K;	<b>File: make_arc_log.bat</b> set ARC_LOG_DIR=h: set ARC_LOG_SIZE=2040M  del %ARC_LOG_DIR%\TPCC_arclog del %ARC_LOG_DIR%\TPCC_arclog_2 del %ARC_LOG_DIR%\TPCC_arclog_3 del %ARC_LOG_DIR%\TPCC_arclog_4 del %ARC_LOG_DIR%\TPCC_arclog_5 del %ARC_LOG_DIR%\TPCC_arclog_6  rdblog -G - a %ARC_LOG_DIR%\TPCC_arclog %ARC_LOG_SIZE% rdblog -U -a %ARC_LOG_DIR%\TPCC_arclog_2 rdblog -U -a %ARC_LOG_DIR%\TPCC_arclog_3 rdblog -U -a %ARC_LOG_DIR%\TPCC_arclog_4 rdblog -U -a %ARC_LOG_DIR%\TPCC_arclog_5 rdblog -U -a %ARC_LOG_DIR%\TPCC_arclog_6
CREATE DSI HISTORY_116_DSI DSO HISTORY_DSO USING(2071,2088) ALLOCATE DATA ON SP202 SIZE 22752K SP203 SIZE 30336K;	CREATE DSI HISTORY_123_DSI DSO HISTORY_DSO USING(2197,2214) ALLOCATE DATA ON SP214 SIZE 15168K SP215 SIZE 30336K SP216 SIZE 7584K;	<b>File: s1.bat</b> call sload_x_1.bat call sload_x_2.bat
CREATE DSI HISTORY_117_DSI DSO HISTORY_DSO USING(2089,2106) ALLOCATE DATA ON SP204 SIZE 30336K SP205 SIZE 22752K;	CREATE DSI HISTORY_124_DSI DSO HISTORY_DSO USING(2215,4464) ALLOCATE DATA ON SP216 SIZE 22752K SP217 SIZE 30336K;	<b>File: s2.bat</b> call sload_x_3.bat call sload_x_4.bat
CREATE DSI HISTORY_118_DSI DSO HISTORY_DSO USING(2107,2124) ALLOCATE DATA ON SP205 SIZE 7584K SP206 SIZE 30336K SP207 SIZE 15168K;	----- ----- -- * Phase.2-9: Item ----- ----- CREATE DSO ITEM_DSO FROM TPCC_SCHEMA.ITEM TYPE RANDOM(PAGESIZE1(1),PAGESIZE2(1),RULE( _ID/7+(L_ID-(L_ID/7)*7))*14286));	<b>File: s3.bat</b> call sload_x_5.bat call sload_x_6.bat
CREATE DSI HISTORY_119_DSI DSO HISTORY_DSO USING(2125,2142) ALLOCATE DATA ON SP207 SIZE 15168K SP208 SIZE 30336K SP209 SIZE 7584K;	CREATE DSI ITEM_1_DSI DSO ITEM_DSO ALLOCATE PRIME ON SP1 SIZE 1435K SP2 SIZE 1428K SP3 SIZE 1428K SP4 SIZE 1428K SP5 SIZE 1428K SP6 SIZE 1428K SP7 SIZE 1428K	
CREATE DSI HISTORY_120_DSI DSO HISTORY_DSO USING(2143,2160)		

**File: s4.bat**

call sload\_x\_7.bat  
call sload\_x\_8.bat

**File: s5.bat**

call sload\_x\_9.bat  
call sload\_x\_10.bat

**File: s6.bat**

call sload\_x\_11.bat  
call sload\_x\_12.bat

**File: s7.bat**

call sload\_x\_13.bat  
call sload\_x\_14.bat

**File: s8.bat**

call sload\_x\_15.bat  
call sload\_x\_16.bat

**File: s9.bat**

call sload\_x\_17.bat  
call sload\_x\_18.bat

**File: sload\_x\_1.bat**

set SL\_LOAD\_D=h:\rdb\loaddata  
set WK1\_D=h:\rdb\sortwk1  
set WK2\_D=h:\rdb\sortwk2  
set WK3\_D=x:\rdb\sortwk3  
set WK4\_D=x:\rdb\sortwk4

```
@rem del /Q x:\rdb\loaddata\Item*_*
@rem del /Q x:\rdb\loaddata\Warehouse*_*
@rem del /Q x:\rdb\loaddata\District*_*
@rem del /Q x:\rdb\loaddata\Stock*_*
@rem del /Q x:\rdb\loaddata\Orders*_*
@rem del /Q x:\rdb\loaddata\NewOrder*_*
@rem del /Q x:\rdb\loaddata\OrderLine*_*
@rem del /Q x:\rdb\loaddata\Customer*_*
@rem del /Q x:\rdb\loaddata\History*_*
```

@rem del /Q x:\rdb\sortwk?\SRT\*

```
@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1 36
S %SL_LOAD_D%
```

```
rdbsloader -mi -i TPCC.STOCK_1_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock1_36
del /Q %SL_LOAD_D%\Stock1_36
wtpccd1.c.dec_to_int.bin a 37 72
S %SL_LOAD_D%
rdbsloader -mi -i TPCC.STOCK_2_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock137_72
del /Q %SL_LOAD_D%\Stock137_72
wtpccd1.c.dec_to_int.bin a 73 108
S %SL_LOAD_D%
rdbsloader -mi -i TPCC.STOCK_3_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock173_108
del /Q %SL_LOAD_D%\Stock173_108
```

```
@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1 9
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_1_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1_9
del /Q %SL_LOAD_D%\OrderLine\1_9
wtpccd1.c.dec_to_int.bin a 10 18
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_2_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\10_18
del /Q %SL_LOAD_D%\OrderLine\10_18
```

```
rdbsloader -mi -i TPCC.ORDERS_1_DSI -
h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1_9 %SL_L
OAD_D%\Orders\10_18
del /Q %SL_LOAD_D%\Orders\1_9
del /Q %SL_LOAD_D%\Orders\10_18
rdbsloader -mi -i
TPCC.NEWORDER_1_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1_9 %SL_LOAD_D
%\NewOrder\10_18
del /Q %SL_LOAD_D%\NewOrder\1_9
del /Q %SL_LOAD_D%\NewOrder\10_18
```

```
wtpccd1.c.dec_to_int.bin a 19 27
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_3_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\19_27
del /Q %SL_LOAD_D%\OrderLine\19_27
wtpccd1.c.dec_to_int.bin a 28 36
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_4_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\28_36
del /Q %SL_LOAD_D%\OrderLine\28_36
```

```
rdbsloader -mi -i TPCC.ORDERS_2_DSI -
h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\19_27 %SL
_LOAD_D%\Orders\28_36
del /Q %SL_LOAD_D%\Orders\19_27
del /Q %SL_LOAD_D%\Orders\28_36
```

```
rdbsloader -mi -i
TPCC.NEWORDER_2_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\19_27 %SL_LOAD_
D%\NewOrder\28_36
del /Q %SL_LOAD_D%\NewOrder\19_27
del /Q %SL_LOAD_D%\NewOrder\28_36
```

```
wtpccd1.c.dec_to_int.bin a 37 45
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_5_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\37_45
del /Q %SL_LOAD_D%\OrderLine\37_45
wtpccd1.c.dec_to_int.bin a 46 54
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_6_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\46_54
del /Q %SL_LOAD_D%\OrderLine\46_54
```

```
rdbsloader -mi -i TPCC.ORDERS_3_DSI -
h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\37_45 %SL
_LOAD_D%\Orders\46_54
del /Q %SL_LOAD_D%\Orders\37_45
del /Q %SL_LOAD_D%\Orders\46_54
rdbsloader -mi -i
TPCC.NEWORDER_3_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\37_45 %SL_LOAD_
D%\NewOrder\46_54
del /Q %SL_LOAD_D%\NewOrder\37_45
del /Q %SL_LOAD_D%\NewOrder\46_54
```

```
wtpccd1.c.dec_to_int.bin a 55 63
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_7_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\55_63
del /Q %SL_LOAD_D%\OrderLine\55_63
wtpccd1.c.dec_to_int.bin a 64 72
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_8_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\64_72
del /Q %SL_LOAD_D%\OrderLine\64_72
```

```
rdbsloader -mi -i TPCC.ORDERS_4_DSI -
h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\55_63 %SL
_LOAD_D%\Orders\64_72
del /Q %SL_LOAD_D%\Orders\55_63
del /Q %SL_LOAD_D%\Orders\64_72
rdbsloader -mi -i
TPCC.NEWORDER_4_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\55_63 %SL_LOAD_
D%\NewOrder\64_72
del /Q %SL_LOAD_D%\NewOrder\55_63
del /Q %SL_LOAD_D%\NewOrder\64_72
```

```
wtpccd1.c.dec_to_int.bin a 73 81
O %SL_LOAD_D%
rdbsloader -mi -i TPCC.ORDERLIN_9_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\73_81
del /Q %SL_LOAD_D%\OrderLine\73_81
```



```

    wtpccd1.c.dec_to_int.bin a 82 90
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_10_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\82_90
del /Q %SL_LOAD_D%\OrderLine\82_90

  rdbloader -mi -i TPCC.ORDERS_5_DSI -
h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\73_81 %SL_LOAD_D%\Orders\82_90
del /Q %SL_LOAD_D%\Orders\73_81
del /Q %SL_LOAD_D%\Orders\82_90
rdbloader -mi -i
TPCC.NEWORDER_5_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\73_81 %SL_LOAD_D%\NewOrder\82_90
del /Q %SL_LOAD_D%\NewOrder\73_81
del /Q %SL_LOAD_D%\NewOrder\82_90

    wtpccd1.c.dec_to_int.bin a 91 99
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_11_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\91_99
del /Q %SL_LOAD_D%\OrderLine\91_99
wtpccd1.c.dec_to_int.bin a 100 108
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_12_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\100_108
del /Q %SL_LOAD_D%\OrderLine\100_108

  rdbloader -mi -i TPCC.ORDERS_6_DSI -
h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\91_99 %SL_LOAD_D%\Orders\100_108
del /Q %SL_LOAD_D%\Orders\91_99
del /Q %SL_LOAD_D%\Orders\100_108
rdbloader -mi -i
TPCC.NEWORDER_6_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\91_99 %SL_LOAD_D%\NewOrder\100_108
del /Q %SL_LOAD_D%\NewOrder\91_99
del /Q %SL_LOAD_D%\NewOrder\100_108

@rem ### Customer ###
@rem ### History ###
    wtpccd1.c.dec_to_int.bin a 1 18
C %SL_LOAD_D%
  rdbloader -mi -i TPCC.CUSTOMER_1_DSI
  -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1_18
del /Q %SL_LOAD_D%\Customer\1_18
rdbloader -mi -i TPCC.HISTORY_1_DSI -
h -s %WK1_D% -n %SL_LOAD_D%\History\1_18
del /Q %SL_LOAD_D%\History\1_18
wtpccd1.c.dec_to_int.bin a 19 36
C %SL_LOAD_D%
  rdbloader -mi -i TPCC.CUSTOMER_2_DSI
  -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\19_36
del /Q %SL_LOAD_D%\Customer\19_36

```

```

  rdbloader -mi -i TPCC.HISTORY_2_DSI -
h -s %WK1_D% -n %SL_LOAD_D%\History\19_36
del /Q %SL_LOAD_D%\History\19_36
wtpccd1.c.dec_to_int.bin a 37 54
C %SL_LOAD_D%
  rdbloader -mi -i TPCC.CUSTOMER_3_DSI
  -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\37_54
del /Q %SL_LOAD_D%\Customer\37_54
rdbloader -mi -i TPCC.HISTORY_3_DSI -
h -s %WK1_D% -n %SL_LOAD_D%\History\37_54
del /Q %SL_LOAD_D%\History\37_54
wtpccd1.c.dec_to_int.bin a 55 72
C %SL_LOAD_D%
  rdbloader -mi -i TPCC.CUSTOMER_4_DSI
  -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\55_72
del /Q %SL_LOAD_D%\Customer\55_72
rdbloader -mi -i TPCC.HISTORY_4_DSI -
h -s %WK1_D% -n %SL_LOAD_D%\History\55_72
del /Q %SL_LOAD_D%\History\55_72
wtpccd1.c.dec_to_int.bin a 73 90
C %SL_LOAD_D%
  rdbloader -mi -i TPCC.CUSTOMER_5_DSI
  -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\73_90
del /Q %SL_LOAD_D%\Customer\73_90
rdbloader -mi -i TPCC.HISTORY_5_DSI -
h -s %WK1_D% -n %SL_LOAD_D%\History\73_90
del /Q %SL_LOAD_D%\History\73_90
wtpccd1.c.dec_to_int.bin a 91 108
C %SL_LOAD_D%
  rdbloader -mi -i TPCC.CUSTOMER_6_DSI
  -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\91_108
del /Q %SL_LOAD_D%\Customer\91_108
rdbloader -mi -i TPCC.HISTORY_6_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\91_108
del /Q %SL_LOAD_D%\History\91_108

```

**File: sload\_x\_10.bat**

```

set SL_LOAD_D=!:rdbloaddata
set WK1_D=!:rdbsortwk1
set WK2_D=!:rdbsortwk2
set WK3_D=x:rdbsortwk3
set WK4_D=x:rdbsortwk4

@rem del /Q x:rdbloaddata\Item*_*
@rem del /Q x:rdbloaddata\Warehouse*_*
@rem del /Q x:rdbloaddata\District*_*
@rem del /Q x:rdbloaddata\Stock*_*
@rem del /Q x:rdbloaddata\Orders*_*
@rem del /Q x:rdbloaddata\NewOrder*_*
@rem del /Q x:rdbloaddata\OrderLine*_*
@rem del /Q x:rdbloaddata\Customer*_*
@rem del /Q x:rdbloaddata\History*_*

@rem del /Q x:rdbsortwk?\SRT*

@rem ### Stock ###
    wtpccd1.c.dec_to_int.bin a 973 1008
S %SL_LOAD_D%

```

```

  rdbloader -mi -i TPCC.STOCK_28_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\973_1008
del /Q %SL_LOAD_D%\Stock\973_1008
wtpccd1.c.dec_to_int.bin a 1009 1044
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_29_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1009_1044
del /Q %SL_LOAD_D%\Stock\1009_1044
wtpccd1.c.dec_to_int.bin a 1045 1080
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_30_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1045_1080
del /Q %SL_LOAD_D%\Stock\1045_1080

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
    wtpccd1.c.dec_to_int.bin a 973 981
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_109_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\973_981
del /Q %SL_LOAD_D%\OrderLine\973_981
wtpccd1.c.dec_to_int.bin a 982 990
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_110_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\982_990
del /Q %SL_LOAD_D%\OrderLine\982_990

  rdbloader -mi -i TPCC.ORDERS_55_DSI
  -h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\973_981 %SL_LOAD_D%\Orders\982_990
del /Q %SL_LOAD_D%\Orders\973_981
del /Q %SL_LOAD_D%\Orders\982_990
rdbloader -mi -i
TPCC.NEWORDER_55_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\973_981 %SL_LOAD_D%\NewOrder\982_990
del /Q %SL_LOAD_D%\NewOrder\973_981
del /Q %SL_LOAD_D%\NewOrder\982_990

    wtpccd1.c.dec_to_int.bin a 991 999
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_111_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\991_999
del /Q %SL_LOAD_D%\OrderLine\991_999
wtpccd1.c.dec_to_int.bin a 1000 1008
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_112_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1000_1008
del
/Q %SL_LOAD_D%\OrderLine\1000_1008

  rdbloader -mi -i TPCC.ORDERS_56_DSI
  -h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\991_999 %SL_LOAD_D%\Orders\1000_1008
del /Q %SL_LOAD_D%\Orders\991_999

```

```

del /Q %SL_LOAD_D%\Orders\1000_1008
rdbloader -mi -i
TPCC.NEWORDER_56_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\991_999 %SL_LOAD_D%\NewOrder\1000_1008
del /Q %SL_LOAD_D%\NewOrder\991_999
del
/Q %SL_LOAD_D%\NewOrder\1000_1008

wtpccd1.c.dec_to_int.bin a 1009 1017
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_113_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1009_1017
del
/Q %SL_LOAD_D%\OrderLine\1009_1017
wtpccd1.c.dec_to_int.bin a 1018 1026
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_114_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1018_1026
del
/Q %SL_LOAD_D%\OrderLine\1018_1026

rdbloader -mi -i TPCC.ORDER_57_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1009_1017 %SL_LOAD_D%\Orders\1018_1026
del /Q %SL_LOAD_D%\Orders\1009_1017
del /Q %SL_LOAD_D%\Orders\1018_1026
rdbloader -mi -i
TPCC.NEWORDER_57_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1009_1017 %SL_LOAD_D%\NewOrder\1018_1026
del
/Q %SL_LOAD_D%\NewOrder\1009_1017
del
/Q %SL_LOAD_D%\NewOrder\1018_1026

wtpccd1.c.dec_to_int.bin a 1027 1035
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_115_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1027_1035
del
/Q %SL_LOAD_D%\OrderLine\1027_1035
wtpccd1.c.dec_to_int.bin a 1036 1044
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_116_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1036_1044
del
/Q %SL_LOAD_D%\OrderLine\1036_1044

rdbloader -mi -i TPCC.ORDER_58_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1027_1035 %SL_LOAD_D%\Orders\1036_1044
del /Q %SL_LOAD_D%\Orders\1027_1035
del /Q %SL_LOAD_D%\Orders\1036_1044
rdbloader -mi -i
TPCC.NEWORDER_58_DSI -h -f 20 -

```

```

s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1027_1035 %SL_LOAD_D%\NewOrder\1036_1044
del
/Q %SL_LOAD_D%\NewOrder\1027_1035
del
/Q %SL_LOAD_D%\NewOrder\1036_1044

wtpccd1.c.dec_to_int.bin a 1045 1053
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_117_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1045_1053
del
/Q %SL_LOAD_D%\OrderLine\1045_1053
wtpccd1.c.dec_to_int.bin a 1054 1062
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_118_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1054_1062
del
/Q %SL_LOAD_D%\OrderLine\1054_1062

rdbloader -mi -i TPCC.ORDER_59_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1045_1053 %SL_LOAD_D%\Orders\1054_1062
del /Q %SL_LOAD_D%\Orders\1045_1053
del /Q %SL_LOAD_D%\Orders\1054_1062
rdbloader -mi -i
TPCC.NEWORDER_59_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1045_1053 %SL_LOAD_D%\NewOrder\1054_1062
del
/Q %SL_LOAD_D%\NewOrder\1045_1053
del
/Q %SL_LOAD_D%\NewOrder\1054_1062

wtpccd1.c.dec_to_int.bin a 1063 1071
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_119_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1063_1071
del
/Q %SL_LOAD_D%\OrderLine\1063_1071
wtpccd1.c.dec_to_int.bin a 1072 1080
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_120_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1072_1080
del
/Q %SL_LOAD_D%\OrderLine\1072_1080

rdbloader -mi -i TPCC.ORDER_60_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1063_1071 %SL_LOAD_D%\Orders\1072_1080
del /Q %SL_LOAD_D%\Orders\1063_1071
del /Q %SL_LOAD_D%\Orders\1072_1080
rdbloader -mi -i
TPCC.NEWORDER_60_DSI -h -f 20 -
s %WK1_D% -

```

```

n %SL_LOAD_D%\NewOrder\1063_1071 %SL_LOAD_D%\NewOrder\1072_1080
del
/Q %SL_LOAD_D%\NewOrder\1063_1071
del
/Q %SL_LOAD_D%\NewOrder\1072_1080

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 973 990
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_55_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\973_990
del /Q %SL_LOAD_D%\Customer\973_990
rdbloader -mi -i TPCC.HISTORY_55_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\973_990
del /Q %SL_LOAD_D%\History\973_990
wtpccd1.c.dec_to_int.bin a 991 1008
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_56_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\991_1008
del /Q %SL_LOAD_D%\Customer\991_1008
rdbloader -mi -i TPCC.HISTORY_56_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\991_1008
del /Q %SL_LOAD_D%\History\991_1008
wtpccd1.c.dec_to_int.bin a 1009 1026
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_57_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1009_1026
del
/Q %SL_LOAD_D%\Customer\1009_1026
rdbloader -mi -i TPCC.HISTORY_57_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1009_1026
del /Q %SL_LOAD_D%\History\1009_1026
wtpccd1.c.dec_to_int.bin a 1027 1044
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_58_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1027_1044
del
/Q %SL_LOAD_D%\Customer\1027_1044
rdbloader -mi -i TPCC.HISTORY_58_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1027_1044
del /Q %SL_LOAD_D%\History\1027_1044
wtpccd1.c.dec_to_int.bin a 1045 1062
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_59_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1045_1062
del
/Q %SL_LOAD_D%\Customer\1045_1062
rdbloader -mi -i TPCC.HISTORY_59_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1045_1062
del /Q %SL_LOAD_D%\History\1045_1062
wtpccd1.c.dec_to_int.bin a 1063 1080
C %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.CUSTOMER_60_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1063_1080
del
/Q %SL_LOAD_D%\Customer\1063_1080
rdbloader -mi -i TPCC.HISTORY_60_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1063_1080
del /Q %SL_LOAD_D%\History\1063_1080

```

**File: sload\_x\_11.bat**

```

set SL_LOAD_D=m:\rdb\loaddata
set WK1_D=m:\rdb\sortwk1
set WK2_D=m:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

```

```
@rem del /Q x:\rdb\sortwk\?SRT*
```

```

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1081 1116
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_31_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1081_1116
del /Q %SL_LOAD_D%\Stock\1081_1116
wtpccd1.c.dec_to_int.bin a 1117 1152
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_32_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1117_1152
del /Q %SL_LOAD_D%\Stock\1117_1152
wtpccd1.c.dec_to_int.bin a 1153 1188
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_33_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1153_1188
del /Q %SL_LOAD_D%\Stock\1153_1188

```

```

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1081 1089
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_121_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1081_10
89
del
/Q %SL_LOAD_D%\OrderLine\1081_1089
wtpccd1.c.dec_to_int.bin a 1090 1098
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_122_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\1090_10
98
del
/Q %SL_LOAD_D%\OrderLine\1090_1098
rdbloader -mi -i TPCC.ORDER_61_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1081_1089
%SL_LOAD_D%\Orders\1090_1098
del /Q %SL_LOAD_D%\Orders\1081_1089
del /Q %SL_LOAD_D%\Orders\1090_1098
rdbloader -mi -i
TPCC.NEWORDER_61_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1081_1089 %SL_L
OAD_D%\NewOrder\1090_1098
del
/Q %SL_LOAD_D%\NewOrder\1081_1089
del
/Q %SL_LOAD_D%\NewOrder\1090_1098
wtpccd1.c.dec_to_int.bin a 1099 1107
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_123_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1099_11
07
del
/Q %SL_LOAD_D%\OrderLine\1099_1107
wtpccd1.c.dec_to_int.bin a 1108 1116
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_124_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1108_11
16
del
/Q %SL_LOAD_D%\OrderLine\1108_1116
rdbloader -mi -i TPCC.ORDER_62_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1099_1107
%SL_LOAD_D%\Orders\1108_1116
del /Q %SL_LOAD_D%\Orders\1099_1107
del /Q %SL_LOAD_D%\Orders\1108_1116
rdbloader -mi -i
TPCC.NEWORDER_62_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1099_1107 %SL_L
OAD_D%\NewOrder\1108_1116
del
/Q %SL_LOAD_D%\NewOrder\1099_1107
del
/Q %SL_LOAD_D%\NewOrder\1108_1116
wtpccd1.c.dec_to_int.bin a 1117 1125
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_125_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1117_11
25
del
/Q %SL_LOAD_D%\OrderLine\1117_1125
wtpccd1.c.dec_to_int.bin a 1126 1134
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_126_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1126_11
34

```

```

del
/Q %SL_LOAD_D%\OrderLine\1126_1134
rdbloader -mi -i TPCC.ORDER_63_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1117_1125
%SL_LOAD_D%\Orders\1126_1134
del /Q %SL_LOAD_D%\Orders\1117_1125
del /Q %SL_LOAD_D%\Orders\1126_1134
rdbloader -mi -i
TPCC.NEWORDER_63_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1117_1125 %SL_L
OAD_D%\NewOrder\1126_1134
del
/Q %SL_LOAD_D%\NewOrder\1117_1125
del
/Q %SL_LOAD_D%\NewOrder\1126_1134
wtpccd1.c.dec_to_int.bin a 1135 1143
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_127_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1135_11
43
del
/Q %SL_LOAD_D%\OrderLine\1135_1143
wtpccd1.c.dec_to_int.bin a 1144 1152
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_128_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1144_11
52
del
/Q %SL_LOAD_D%\OrderLine\1144_1152
rdbloader -mi -i TPCC.ORDER_64_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1135_1143
%SL_LOAD_D%\Orders\1144_1152
del /Q %SL_LOAD_D%\Orders\1135_1143
del /Q %SL_LOAD_D%\Orders\1144_1152
rdbloader -mi -i
TPCC.NEWORDER_64_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1135_1143 %SL_L
OAD_D%\NewOrder\1144_1152
del
/Q %SL_LOAD_D%\NewOrder\1135_1143
del
/Q %SL_LOAD_D%\NewOrder\1144_1152
wtpccd1.c.dec_to_int.bin a 1153 1161
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_129_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1153_11
61
del
/Q %SL_LOAD_D%\OrderLine\1153_1161
wtpccd1.c.dec_to_int.bin a 1162 1170
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_130_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1162_11
70
del
/Q %SL_LOAD_D%\OrderLine\1162_1170

```

```

rdbloader -mi -i TPCC.ORDERS_65_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1153_1161
%SL_LOAD_D%\Orders\1162_1170
del /Q %SL_LOAD_D%\Orders\1153_1161
del /Q %SL_LOAD_D%\Orders\1162_1170
rdbloader -mi -i
TPCC.NEWORDER_65_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1153_1161 %SL_L
OAD_D%\NewOrder\1162_1170
del
/Q %SL_LOAD_D%\NewOrder\1153_1161
del
/Q %SL_LOAD_D%\NewOrder\1162_1170

wtpccd1.c.dec_to_int.bin a 1171 1179
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_131_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1171_11
79
del
/Q %SL_LOAD_D%\OrderLine\1171_1179
wtpccd1.c.dec_to_int.bin a 1180 1188
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_132_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1180_11
88
del
/Q %SL_LOAD_D%\OrderLine\1180_1188

rdbloader -mi -i TPCC.ORDERS_66_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1171_1179
%SL_LOAD_D%\Orders\1180_1188
del /Q %SL_LOAD_D%\Orders\1171_1179
del /Q %SL_LOAD_D%\Orders\1180_1188
rdbloader -mi -i
TPCC.NEWORDER_66_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1171_1179 %SL_L
OAD_D%\NewOrder\1180_1188
del
/Q %SL_LOAD_D%\NewOrder\1171_1179
del
/Q %SL_LOAD_D%\NewOrder\1180_1188

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1081 1098
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_61_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1081_1098
del
/Q %SL_LOAD_D%\Customer\1081_1098
rdbloader -mi -i TPCC.HISTORY_61_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1081_1098
del /Q %SL_LOAD_D%\History\1081_1098
wtpccd1.c.dec_to_int.bin a 1099 1116
C %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.CUSTOMER_62_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1099_1116
del
/Q %SL_LOAD_D%\Customer\1099_1116
rdbloader -mi -i TPCC.HISTORY_62_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1099_1116
del /Q %SL_LOAD_D%\History\1099_1116
wtpccd1.c.dec_to_int.bin a 1117 1134
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_63_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1117_1134
del
/Q %SL_LOAD_D%\Customer\1117_1134
rdbloader -mi -i TPCC.HISTORY_63_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1117_1134
del /Q %SL_LOAD_D%\History\1117_1134
wtpccd1.c.dec_to_int.bin a 1135 1152
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_64_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1135_1152
del
/Q %SL_LOAD_D%\Customer\1135_1152
rdbloader -mi -i TPCC.HISTORY_64_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1135_1152
del /Q %SL_LOAD_D%\History\1135_1152
wtpccd1.c.dec_to_int.bin a 1153 1170
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_65_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1153_1170
del
/Q %SL_LOAD_D%\Customer\1153_1170
rdbloader -mi -i TPCC.HISTORY_65_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1153_1170
del /Q %SL_LOAD_D%\History\1153_1170
wtpccd1.c.dec_to_int.bin a 1171 1188
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_66_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1171_1188
del
/Q %SL_LOAD_D%\Customer\1171_1188
rdbloader -mi -i TPCC.HISTORY_66_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1171_1188
del /Q %SL_LOAD_D%\History\1171_1188

```

**File: sload\_x\_12.bat**

```

set SL_LOAD_D=m:\rdb\loaddata
set WK1_D=m:\rdb\sortwk1
set WK2_D=m:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_
@rem del /Q x:\rdb\loaddata\Warehouse\*_
@rem del /Q x:\rdb\loaddata\District\*_
@rem del /Q x:\rdb\loaddata\Stock\*_

```

```

@rem del /Q x:\rdb\loaddata\Orders\*_
@rem del /Q x:\rdb\loaddata\NewOrder\*_
@rem del /Q x:\rdb\loaddata\OrderLine\*_
@rem del /Q x:\rdb\loaddata\Customer\*_
@rem del /Q x:\rdb\loaddata\History\*_

@rem del /Q x:\rdb\sortwk?\SRST*

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1189 1224
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_34_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1189_1224
del /Q %SL_LOAD_D%\Stock\1189_1224
wtpccd1.c.dec_to_int.bin a 1225 1260
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_35_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1225_1260
del /Q %SL_LOAD_D%\Stock\1225_1260
wtpccd1.c.dec_to_int.bin a 1261 1296
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_36_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1261_1296
del /Q %SL_LOAD_D%\Stock\1261_1296

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1189 1197
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_133_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1189_11
97
del
/Q %SL_LOAD_D%\OrderLine\1189_1197
wtpccd1.c.dec_to_int.bin a 1198 1206
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_134_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1198_12
06
del
/Q %SL_LOAD_D%\OrderLine\1198_1206

rdbloader -mi -i TPCC.ORDERS_67_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1189_1197
%SL_LOAD_D%\Orders\1198_1206
del /Q %SL_LOAD_D%\Orders\1189_1197
del /Q %SL_LOAD_D%\Orders\1198_1206
rdbloader -mi -i
TPCC.NEWORDER_67_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1189_1197 %SL_L
OAD_D%\NewOrder\1198_1206
del
/Q %SL_LOAD_D%\NewOrder\1189_1197
del
/Q %SL_LOAD_D%\NewOrder\1198_1206

wtpccd1.c.dec_to_int.bin a 1207 1215
O %SL_LOAD_D%

```

```

rdbmsloader -mi -i
TPCC.ORDERLIN_135_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1207_12
15
del
/Q %SL_LOAD_D%\OrderLine\1207_1215
wtpccd1.c.dec_to_int.bin a 1216 1224
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_136_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1216_12
24
del
/Q %SL_LOAD_D%\OrderLine\1216_1224

rdbmsloader -mi -i TPCC.ORDER_68_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1207_1215
%SL_LOAD_D%\Orders\1216_1224
del /Q %SL_LOAD_D%\Orders\1207_1215
del /Q %SL_LOAD_D%\Orders\1216_1224
rdbmsloader -mi -i
TPCC.NEWORDER_68_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1207_1215 %SL_L
OAD_D%\NewOrder\1216_1224
del
/Q %SL_LOAD_D%\NewOrder\1207_1215
del
/Q %SL_LOAD_D%\NewOrder\1216_1224

wtpccd1.c.dec_to_int.bin a 1225 1233
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_137_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1225_12
33
del
/Q %SL_LOAD_D%\OrderLine\1225_1233
wtpccd1.c.dec_to_int.bin a 1234 1242
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_138_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1234_12
42
del
/Q %SL_LOAD_D%\OrderLine\1234_1242

rdbmsloader -mi -i TPCC.ORDER_69_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1225_1233
%SL_LOAD_D%\Orders\1234_1242
del /Q %SL_LOAD_D%\Orders\1225_1233
del /Q %SL_LOAD_D%\Orders\1234_1242
rdbmsloader -mi -i
TPCC.NEWORDER_69_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1225_1233 %SL_L
OAD_D%\NewOrder\1234_1242
del
/Q %SL_LOAD_D%\NewOrder\1225_1233
del
/Q %SL_LOAD_D%\NewOrder\1234_1242

wtpccd1.c.dec_to_int.bin a 1243 1251
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_139_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\1243_12
51
del
/Q %SL_LOAD_D%\OrderLine\1243_1251
wtpccd1.c.dec_to_int.bin a 1252 1260
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_140_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1252_12
60
del
/Q %SL_LOAD_D%\OrderLine\1252_1260

rdbmsloader -mi -i TPCC.ORDER_70_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1243_1251
%SL_LOAD_D%\Orders\1252_1260
del /Q %SL_LOAD_D%\Orders\1243_1251
del /Q %SL_LOAD_D%\Orders\1252_1260
rdbmsloader -mi -i
TPCC.NEWORDER_70_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1243_1251 %SL_L
OAD_D%\NewOrder\1252_1260
del
/Q %SL_LOAD_D%\NewOrder\1243_1251
del
/Q %SL_LOAD_D%\NewOrder\1252_1260

wtpccd1.c.dec_to_int.bin a 1261 1269
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_141_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1261_12
69
del
/Q %SL_LOAD_D%\OrderLine\1261_1269
wtpccd1.c.dec_to_int.bin a 1270 1278
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_142_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1270_12
78
del
/Q %SL_LOAD_D%\OrderLine\1270_1278

rdbmsloader -mi -i TPCC.ORDER_71_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1261_1269
%SL_LOAD_D%\Orders\1270_1278
del /Q %SL_LOAD_D%\Orders\1261_1269
del /Q %SL_LOAD_D%\Orders\1270_1278
rdbmsloader -mi -i
TPCC.NEWORDER_71_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1261_1269 %SL_L
OAD_D%\NewOrder\1270_1278
del
/Q %SL_LOAD_D%\NewOrder\1261_1269
del
/Q %SL_LOAD_D%\NewOrder\1270_1278

wtpccd1.c.dec_to_int.bin a 1279 1287
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_143_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1279_12
87

```

```

del
/Q %SL_LOAD_D%\OrderLine\1279_1287
wtpccd1.c.dec_to_int.bin a 1288 1296
O %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.ORDERLIN_144_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1288_12
96
del
/Q %SL_LOAD_D%\OrderLine\1288_1296

rdbmsloader -mi -i TPCC.ORDER_72_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1279_1287
%SL_LOAD_D%\Orders\1288_1296
del /Q %SL_LOAD_D%\Orders\1279_1287
del /Q %SL_LOAD_D%\Orders\1288_1296
rdbmsloader -mi -i
TPCC.NEWORDER_72_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1279_1287 %SL_L
OAD_D%\NewOrder\1288_1296
del
/Q %SL_LOAD_D%\NewOrder\1279_1287
del
/Q %SL_LOAD_D%\NewOrder\1288_1296

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1189 1206
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_67_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1189_1206
del
/Q %SL_LOAD_D%\Customer\1189_1206
rdbmsloader -mi -i TPCC.HISTORY_67_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1189_1206
del /Q %SL_LOAD_D%\History\1189_1206
wtpccd1.c.dec_to_int.bin a 1207 1224
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_68_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1207_1224
del
/Q %SL_LOAD_D%\Customer\1207_1224
rdbmsloader -mi -i TPCC.HISTORY_68_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1207_1224
del /Q %SL_LOAD_D%\History\1207_1224
wtpccd1.c.dec_to_int.bin a 1225 1242
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_69_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1225_1242
del
/Q %SL_LOAD_D%\Customer\1225_1242
rdbmsloader -mi -i TPCC.HISTORY_69_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1225_1242
del /Q %SL_LOAD_D%\History\1225_1242
wtpccd1.c.dec_to_int.bin a 1243 1260
C %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.CUSTOMER_70_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1243_1260
del
/Q %SL_LOAD_D%\Customer\1243_1260
rdbloader -mi -i TPCC.HISTORY_70_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1243_1260
del /Q %SL_LOAD_D%\History\1243_1260
wtpccd1.c.dec_to_int.bin a 1261 1278
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_71_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1261_1278
del
/Q %SL_LOAD_D%\Customer\1261_1278
rdbloader -mi -i TPCC.HISTORY_71_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1261_1278
del /Q %SL_LOAD_D%\History\1261_1278
wtpccd1.c.dec_to_int.bin a 1279 1296
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_72_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1279_1296
del
/Q %SL_LOAD_D%\Customer\1279_1296
rdbloader -mi -i TPCC.HISTORY_72_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1279_1296
del /Q %SL_LOAD_D%\History\1279_1296

```

**File: sload\_x\_13.bat**

```

set SL_LOAD_D=n:\rdb\loaddata
set WK1_D=n:\rdb\sortwk1
set WK2_D=n:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

```

```
@rem del /Q x:\rdb\sortwk\?SRT*
```

```

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1297 1332
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_37_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1297_1332
del /Q %SL_LOAD_D%\Stock\1297_1332
wtpccd1.c.dec_to_int.bin a 1333 1368
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_38_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1333_1368
del /Q %SL_LOAD_D%\Stock\1333_1368

```

```

wtpccd1.c.dec_to_int.bin a 1369 1404
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_39_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1369_1404
del /Q %SL_LOAD_D%\Stock\1369_1404

```

```

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1297 1305
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_145_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1297_13
05
del
/Q %SL_LOAD_D%\OrderLine\1297_1305
wtpccd1.c.dec_to_int.bin a 1306 1314
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_146_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1306_13
14
del
/Q %SL_LOAD_D%\OrderLine\1306_1314

```

```

rdbloader -mi -i TPCC.ORDERS_73_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1297_1305
%SL_LOAD_D%\Orders\1306_1314
del /Q %SL_LOAD_D%\Orders\1297_1305
del /Q %SL_LOAD_D%\Orders\1306_1314
rdbloader -mi -i
TPCC.NEWORDER_73_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1297_1305 %SL_L
OAD_D%\NewOrder\1306_1314
del
/Q %SL_LOAD_D%\NewOrder\1297_1305
del
/Q %SL_LOAD_D%\NewOrder\1306_1314

```

```

wtpccd1.c.dec_to_int.bin a 1315 1323
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_147_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1315_13
23
del
/Q %SL_LOAD_D%\OrderLine\1315_1323
wtpccd1.c.dec_to_int.bin a 1324 1332
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_148_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1324_13
32
del
/Q %SL_LOAD_D%\OrderLine\1324_1332

```

```

rdbloader -mi -i TPCC.ORDERS_74_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1315_1323
%SL_LOAD_D%\Orders\1324_1332
del /Q %SL_LOAD_D%\Orders\1315_1323
del /Q %SL_LOAD_D%\Orders\1324_1332

```

```

rdbloader -mi -i
TPCC.NEWORDER_74_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1315_1323 %SL_L
OAD_D%\NewOrder\1324_1332
del
/Q %SL_LOAD_D%\NewOrder\1315_1323
del
/Q %SL_LOAD_D%\NewOrder\1324_1332

```

```

wtpccd1.c.dec_to_int.bin a 1333 1341
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_149_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1333_13
41
del
/Q %SL_LOAD_D%\OrderLine\1333_1341
wtpccd1.c.dec_to_int.bin a 1342 1350
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_150_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1342_13
50
del
/Q %SL_LOAD_D%\OrderLine\1342_1350

```

```

rdbloader -mi -i TPCC.ORDERS_75_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1333_1341
%SL_LOAD_D%\Orders\1342_1350
del /Q %SL_LOAD_D%\Orders\1333_1341
del /Q %SL_LOAD_D%\Orders\1342_1350
rdbloader -mi -i
TPCC.NEWORDER_75_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1333_1341 %SL_L
OAD_D%\NewOrder\1342_1350
del
/Q %SL_LOAD_D%\NewOrder\1333_1341
del
/Q %SL_LOAD_D%\NewOrder\1342_1350

```

```

wtpccd1.c.dec_to_int.bin a 1351 1359
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_151_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1351_13
59
del
/Q %SL_LOAD_D%\OrderLine\1351_1359
wtpccd1.c.dec_to_int.bin a 1360 1368
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_152_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1360_13
68
del
/Q %SL_LOAD_D%\OrderLine\1360_1368

```

```

rdbloader -mi -i TPCC.ORDERS_76_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1351_1359
%SL_LOAD_D%\Orders\1360_1368
del /Q %SL_LOAD_D%\Orders\1351_1359
del /Q %SL_LOAD_D%\Orders\1360_1368
rdbloader -mi -i
TPCC.NEWORDER_76_DSI -h -f 20 -

```

```

s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1351_1359 %SL_L
OAD_D%\NewOrder\1360_1368
del
/Q %SL_LOAD_D%\NewOrder\1351_1359
del
/Q %SL_LOAD_D%\NewOrder\1360_1368

    wtpccd1.c.dec_to_int.bin a 1369 1377
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_153_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1369_13
77
del
/Q %SL_LOAD_D%\OrderLine\1369_1377
    wtpccd1.c.dec_to_int.bin a 1378 1386
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_154_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1378_13
86
del
/Q %SL_LOAD_D%\OrderLine\1378_1386

    rdbloader -mi -i TPCC.ORDER_77_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1369_1377
%SL_LOAD_D%\Orders\1378_1386
del /Q %SL_LOAD_D%\Orders\1369_1377
del /Q %SL_LOAD_D%\Orders\1378_1386
rdbloader -mi -i
TPCC.NEWORDER_77_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1369_1377 %SL_L
OAD_D%\NewOrder\1378_1386
del
/Q %SL_LOAD_D%\NewOrder\1369_1377
del
/Q %SL_LOAD_D%\NewOrder\1378_1386

    wtpccd1.c.dec_to_int.bin a 1387 1395
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_155_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1387_13
95
del
/Q %SL_LOAD_D%\OrderLine\1387_1395
    wtpccd1.c.dec_to_int.bin a 1396 1404
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_156_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1396_14
04
del
/Q %SL_LOAD_D%\OrderLine\1396_1404

    rdbloader -mi -i TPCC.ORDER_78_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1387_1395
%SL_LOAD_D%\Orders\1396_1404
del /Q %SL_LOAD_D%\Orders\1387_1395
del /Q %SL_LOAD_D%\Orders\1396_1404
rdbloader -mi -i
TPCC.NEWORDER_78_DSI -h -f 20 -
s %WK1_D% -

```

```

n %SL_LOAD_D%\NewOrder\1387_1395 %SL_L
OAD_D%\NewOrder\1396_1404
del
/Q %SL_LOAD_D%\NewOrder\1387_1395
del
/Q %SL_LOAD_D%\NewOrder\1396_1404

@rem ### Customer ###
@rem ### History ###
    wtpccd1.c.dec_to_int.bin a 1297 1314
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_73_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1297_1314
del
/Q %SL_LOAD_D%\Customer\1297_1314
  rdbloader -mi -i TPCC.HISTORY_73_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1297_1314
del /Q %SL_LOAD_D%\History\1297_1314
    wtpccd1.c.dec_to_int.bin a 1315 1332
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_74_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1315_1332
del
/Q %SL_LOAD_D%\Customer\1315_1332
  rdbloader -mi -i TPCC.HISTORY_74_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1315_1332
del /Q %SL_LOAD_D%\History\1315_1332
    wtpccd1.c.dec_to_int.bin a 1333 1350
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_75_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1333_1350
del
/Q %SL_LOAD_D%\Customer\1333_1350
  rdbloader -mi -i TPCC.HISTORY_75_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1333_1350
del /Q %SL_LOAD_D%\History\1333_1350
    wtpccd1.c.dec_to_int.bin a 1351 1368
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_76_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1351_1368
del
/Q %SL_LOAD_D%\Customer\1351_1368
  rdbloader -mi -i TPCC.HISTORY_76_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1351_1368
del /Q %SL_LOAD_D%\History\1351_1368
    wtpccd1.c.dec_to_int.bin a 1369 1386
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_77_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1369_1386
del
/Q %SL_LOAD_D%\Customer\1369_1386
  rdbloader -mi -i TPCC.HISTORY_77_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1369_1386
del /Q %SL_LOAD_D%\History\1369_1386
    wtpccd1.c.dec_to_int.bin a 1387 1404
C %SL_LOAD_D%

```

```

  rdbloader -mi -i
TPCC.CUSTOMER_78_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1387_1404
del
/Q %SL_LOAD_D%\Customer\1387_1404
  rdbloader -mi -i TPCC.HISTORY_78_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1387_1404
del /Q %SL_LOAD_D%\History\1387_1404

```

**File: sload\_x\_14.bat**

```

set SL_LOAD_D=:rdbloaddata
set WK1_D=:rdbsortwk1
set WK2_D=:rdbsortwk2
set WK3_D=:rdbsortwk3
set WK4_D=:rdbsortwk4

@rem del /Q x:rdbloaddata\Item*_*
@rem del /Q x:rdbloaddata\Warehouse*_*
@rem del /Q x:rdbloaddata\District*_*
@rem del /Q x:rdbloaddata\Stock*_*
@rem del /Q x:rdbloaddata\Orders*_*
@rem del /Q x:rdbloaddata\NewOrder*_*
@rem del /Q x:rdbloaddata\OrderLine*_*
@rem del /Q x:rdbloaddata\Customer*_*
@rem del /Q x:rdbloaddata\History*_*

@rem del /Q x:rdbsortwk?\SRT*

@rem ### Stock ###
    wtpccd1.c.dec_to_int.bin a 1405 1440
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_40_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1405_1440
del /Q %SL_LOAD_D%\Stock\1405_1440
    wtpccd1.c.dec_to_int.bin a 1441 1476
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_41_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1441_1476
del /Q %SL_LOAD_D%\Stock\1441_1476
    wtpccd1.c.dec_to_int.bin a 1477 1512
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_42_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1477_1512
del /Q %SL_LOAD_D%\Stock\1477_1512

```

```

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
    wtpccd1.c.dec_to_int.bin a 1405 1413
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_157_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1405_14
13
del
/Q %SL_LOAD_D%\OrderLine\1405_1413
    wtpccd1.c.dec_to_int.bin a 1414 1422
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_158_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\1414_14
22
del
/Q %SL_LOAD_D%\OrderLine\1414_1422

rdbloader -mi -i TPCC.ORDERS_79_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1405_1413
%SL_LOAD_D%\Orders\1414_1422
del /Q %SL_LOAD_D%\Orders\1405_1413
del /Q %SL_LOAD_D%\Orders\1414_1422
rdbloader -mi -i
TPCC.NEWORDER_79_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1405_1413 %SL_L
OAD_D%\NewOrder\1414_1422
del
/Q %SL_LOAD_D%\NewOrder\1405_1413
del
/Q %SL_LOAD_D%\NewOrder\1414_1422

wtpccd1.c.dec_to_int.bin a 1423 1431
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_159_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1423_14
31
del
/Q %SL_LOAD_D%\OrderLine\1423_1431
wtpccd1.c.dec_to_int.bin a 1432 1440
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_160_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1432_14
40
del
/Q %SL_LOAD_D%\OrderLine\1432_1440

rdbloader -mi -i TPCC.ORDERS_80_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1423_1431
%SL_LOAD_D%\Orders\1432_1440
del /Q %SL_LOAD_D%\Orders\1423_1431
del /Q %SL_LOAD_D%\Orders\1432_1440
rdbloader -mi -i
TPCC.NEWORDER_80_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1423_1431 %SL_L
OAD_D%\NewOrder\1432_1440
del
/Q %SL_LOAD_D%\NewOrder\1423_1431
del
/Q %SL_LOAD_D%\NewOrder\1432_1440

wtpccd1.c.dec_to_int.bin a 1441 1449
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_161_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1441_14
49
del
/Q %SL_LOAD_D%\OrderLine\1441_1449
wtpccd1.c.dec_to_int.bin a 1450 1458
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_162_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1450_14
58

```

```

del
/Q %SL_LOAD_D%\OrderLine\1450_1458

rdbloader -mi -i TPCC.ORDERS_81_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1441_1449
%SL_LOAD_D%\Orders\1450_1458
del /Q %SL_LOAD_D%\Orders\1441_1449
del /Q %SL_LOAD_D%\Orders\1450_1458
rdbloader -mi -i
TPCC.NEWORDER_81_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1441_1449 %SL_L
OAD_D%\NewOrder\1450_1458
del
/Q %SL_LOAD_D%\NewOrder\1441_1449
del
/Q %SL_LOAD_D%\NewOrder\1450_1458

wtpccd1.c.dec_to_int.bin a 1459 1467
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_163_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1459_14
67
del
/Q %SL_LOAD_D%\OrderLine\1459_1467
wtpccd1.c.dec_to_int.bin a 1468 1476
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_164_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1468_14
76
del
/Q %SL_LOAD_D%\OrderLine\1468_1476

rdbloader -mi -i TPCC.ORDERS_82_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1459_1467
%SL_LOAD_D%\Orders\1468_1476
del /Q %SL_LOAD_D%\Orders\1459_1467
del /Q %SL_LOAD_D%\Orders\1468_1476
rdbloader -mi -i
TPCC.NEWORDER_82_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1459_1467 %SL_L
OAD_D%\NewOrder\1468_1476
del
/Q %SL_LOAD_D%\NewOrder\1459_1467
del
/Q %SL_LOAD_D%\NewOrder\1468_1476

wtpccd1.c.dec_to_int.bin a 1477 1485
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_165_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1477_14
85
del
/Q %SL_LOAD_D%\OrderLine\1477_1485
wtpccd1.c.dec_to_int.bin a 1486 1494
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_166_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1486_14
94
del
/Q %SL_LOAD_D%\OrderLine\1486_1494

```

```

rdbloader -mi -i TPCC.ORDERS_83_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1477_1485
%SL_LOAD_D%\Orders\1486_1494
del /Q %SL_LOAD_D%\Orders\1477_1485
del /Q %SL_LOAD_D%\Orders\1486_1494
rdbloader -mi -i
TPCC.NEWORDER_83_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1477_1485 %SL_L
OAD_D%\NewOrder\1486_1494
del
/Q %SL_LOAD_D%\NewOrder\1477_1485
del
/Q %SL_LOAD_D%\NewOrder\1486_1494

wtpccd1.c.dec_to_int.bin a 1495 1503
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_167_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1495_15
03
del
/Q %SL_LOAD_D%\OrderLine\1495_1503
wtpccd1.c.dec_to_int.bin a 1504 1512
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_168_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1504_15
12
del
/Q %SL_LOAD_D%\OrderLine\1504_1512

rdbloader -mi -i TPCC.ORDERS_84_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1495_1503
%SL_LOAD_D%\Orders\1504_1512
del /Q %SL_LOAD_D%\Orders\1495_1503
del /Q %SL_LOAD_D%\Orders\1504_1512
rdbloader -mi -i
TPCC.NEWORDER_84_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1495_1503 %SL_L
OAD_D%\NewOrder\1504_1512
del
/Q %SL_LOAD_D%\NewOrder\1495_1503
del
/Q %SL_LOAD_D%\NewOrder\1504_1512

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1405 1422
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_79_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1405_1422
del
/Q %SL_LOAD_D%\Customer\1405_1422
rdbloader -mi -i TPCC.HISTORY_79_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1405_1422
del /Q %SL_LOAD_D%\History\1405_1422
wtpccd1.c.dec_to_int.bin a 1423 1440
C %SL_LOAD_D%

```



```

rdbloader -mi -i
TPCC.CUSTOMER_80_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1423_1440
del
/Q %SL_LOAD_D%\Customer\1423_1440
rdbloader -mi -i TPCC.HISTORY_80_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1423_1440
del /Q %SL_LOAD_D%\History\1423_1440
wtpccd1.c.dec_to_int.bin a 1441 1458
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_81_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1441_1458
del
/Q %SL_LOAD_D%\Customer\1441_1458
rdbloader -mi -i TPCC.HISTORY_81_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1441_1458
del /Q %SL_LOAD_D%\History\1441_1458
wtpccd1.c.dec_to_int.bin a 1459 1476
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_82_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1459_1476
del
/Q %SL_LOAD_D%\Customer\1459_1476
rdbloader -mi -i TPCC.HISTORY_82_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1459_1476
del /Q %SL_LOAD_D%\History\1459_1476
wtpccd1.c.dec_to_int.bin a 1477 1494
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_83_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1477_1494
del
/Q %SL_LOAD_D%\Customer\1477_1494
rdbloader -mi -i TPCC.HISTORY_83_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1477_1494
del /Q %SL_LOAD_D%\History\1477_1494
wtpccd1.c.dec_to_int.bin a 1495 1512
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_84_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1495_1512
del
/Q %SL_LOAD_D%\Customer\1495_1512
rdbloader -mi -i TPCC.HISTORY_84_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1495_1512
del /Q %SL_LOAD_D%\History\1495_1512

```

**File: sload\_x\_15.bat**

```

set SL_LOAD_D=o:\rdb\loaddata
set WK1_D=o:\rdb\sortwk1
set WK2_D=o:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*

```

```

@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

@rem del /Q x:\rdb\sortwk?\ISRT*

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1513 1548
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_43_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1513_1548
del /Q %SL_LOAD_D%\Stock\1513_1548
wtpccd1.c.dec_to_int.bin a 1549 1584
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_44_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1549_1584
del /Q %SL_LOAD_D%\Stock\1549_1584
wtpccd1.c.dec_to_int.bin a 1585 1620
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_45_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1585_1620
del /Q %SL_LOAD_D%\Stock\1585_1620

```

```

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1513 1521
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_169_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1513_15
21
del
/Q %SL_LOAD_D%\OrderLine\1513_1521
wtpccd1.c.dec_to_int.bin a 1522 1530
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_170_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1522_15
30
del
/Q %SL_LOAD_D%\OrderLine\1522_1530

rdbloader -mi -i TPCC.ORDER_85_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1513_1521
%SL_LOAD_D%\Orders\1522_1530
del /Q %SL_LOAD_D%\Orders\1513_1521
del /Q %SL_LOAD_D%\Orders\1522_1530
rdbloader -mi -i
TPCC.NEWORDER_85_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1513_1521 %SL_L
OAD_D%\NewOrder\1522_1530
del
/Q %SL_LOAD_D%\NewOrder\1513_1521
del
/Q %SL_LOAD_D%\NewOrder\1522_1530

wtpccd1.c.dec_to_int.bin a 1531 1539
O %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.ORDERLIN_171_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1531_15
39
del
/Q %SL_LOAD_D%\OrderLine\1531_1539
wtpccd1.c.dec_to_int.bin a 1540 1548
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_172_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1540_15
48
del
/Q %SL_LOAD_D%\OrderLine\1540_1548

rdbloader -mi -i TPCC.ORDER_86_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1531_1539
%SL_LOAD_D%\Orders\1540_1548
del /Q %SL_LOAD_D%\Orders\1531_1539
del /Q %SL_LOAD_D%\Orders\1540_1548
rdbloader -mi -i
TPCC.NEWORDER_86_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1531_1539 %SL_L
OAD_D%\NewOrder\1540_1548
del
/Q %SL_LOAD_D%\NewOrder\1531_1539
del
/Q %SL_LOAD_D%\NewOrder\1540_1548

wtpccd1.c.dec_to_int.bin a 1549 1557
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_173_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1549_15
57
del
/Q %SL_LOAD_D%\OrderLine\1549_1557
wtpccd1.c.dec_to_int.bin a 1558 1566
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_174_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1558_15
66
del
/Q %SL_LOAD_D%\OrderLine\1558_1566

rdbloader -mi -i TPCC.ORDER_87_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1549_1557
%SL_LOAD_D%\Orders\1558_1566
del /Q %SL_LOAD_D%\Orders\1549_1557
del /Q %SL_LOAD_D%\Orders\1558_1566
rdbloader -mi -i
TPCC.NEWORDER_87_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1549_1557 %SL_L
OAD_D%\NewOrder\1558_1566
del
/Q %SL_LOAD_D%\NewOrder\1549_1557
del
/Q %SL_LOAD_D%\NewOrder\1558_1566

wtpccd1.c.dec_to_int.bin a 1567 1575
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_175_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\1567_15
75
del
/Q %SL_LOAD_D%\OrderLine\1567_1575
wtpccd1.c.dec_to_int.bin a 1576 1584
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_176_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1576_15
84
del
/Q %SL_LOAD_D%\OrderLine\1576_1584

rdbloader -mi -i TPCC.ORDER_88_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1567_1575
%SL_LOAD_D%\Orders\1576_1584
del /Q %SL_LOAD_D%\Orders\1567_1575
del /Q %SL_LOAD_D%\Orders\1576_1584
rdbloader -mi -i
TPCC.NEWORDER_88_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1567_1575 %SL_L
OAD_D%\NewOrder\1576_1584
del
/Q %SL_LOAD_D%\NewOrder\1567_1575
del
/Q %SL_LOAD_D%\NewOrder\1576_1584

wtpccd1.c.dec_to_int.bin a 1585 1593
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_177_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1585_15
93
del
/Q %SL_LOAD_D%\OrderLine\1585_1593
wtpccd1.c.dec_to_int.bin a 1594 1602
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_178_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1594_16
02
del
/Q %SL_LOAD_D%\OrderLine\1594_1602

rdbloader -mi -i TPCC.ORDER_89_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1585_1593
%SL_LOAD_D%\Orders\1594_1602
del /Q %SL_LOAD_D%\Orders\1585_1593
del /Q %SL_LOAD_D%\Orders\1594_1602
rdbloader -mi -i
TPCC.NEWORDER_89_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1585_1593 %SL_L
OAD_D%\NewOrder\1594_1602
del
/Q %SL_LOAD_D%\NewOrder\1585_1593
del
/Q %SL_LOAD_D%\NewOrder\1594_1602

wtpccd1.c.dec_to_int.bin a 1603 1611
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_179_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1603_16
11

```

```

del
/Q %SL_LOAD_D%\OrderLine\1603_1611
wtpccd1.c.dec_to_int.bin a 1612 1620
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_180_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1612_16
20
del
/Q %SL_LOAD_D%\OrderLine\1612_1620

rdbloader -mi -i TPCC.ORDER_90_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1603_1611
%SL_LOAD_D%\Orders\1612_1620
del /Q %SL_LOAD_D%\Orders\1603_1611
del /Q %SL_LOAD_D%\Orders\1612_1620
rdbloader -mi -i
TPCC.NEWORDER_90_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1603_1611 %SL_L
OAD_D%\NewOrder\1612_1620
del
/Q %SL_LOAD_D%\NewOrder\1603_1611
del
/Q %SL_LOAD_D%\NewOrder\1612_1620

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1513 1530
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_85_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1513_1530
del
/Q %SL_LOAD_D%\Customer\1513_1530
rdbloader -mi -i TPCC.HISTORY_85_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1513_1530
del /Q %SL_LOAD_D%\History\1513_1530
wtpccd1.c.dec_to_int.bin a 1531 1548
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_86_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1531_1548
del
/Q %SL_LOAD_D%\Customer\1531_1548
rdbloader -mi -i TPCC.HISTORY_86_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1531_1548
del /Q %SL_LOAD_D%\History\1531_1548
wtpccd1.c.dec_to_int.bin a 1549 1566
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_87_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1549_1566
del
/Q %SL_LOAD_D%\Customer\1549_1566
rdbloader -mi -i TPCC.HISTORY_87_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1549_1566
del /Q %SL_LOAD_D%\History\1549_1566
wtpccd1.c.dec_to_int.bin a 1567 1584
C %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.CUSTOMER_88_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1567_1584
del
/Q %SL_LOAD_D%\Customer\1567_1584
rdbloader -mi -i TPCC.HISTORY_88_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1567_1584
del /Q %SL_LOAD_D%\History\1567_1584
wtpccd1.c.dec_to_int.bin a 1585 1602
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_89_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1585_1602
del
/Q %SL_LOAD_D%\Customer\1585_1602
rdbloader -mi -i TPCC.HISTORY_89_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1585_1602
del /Q %SL_LOAD_D%\History\1585_1602
wtpccd1.c.dec_to_int.bin a 1603 1620
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_90_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1603_1620
del
/Q %SL_LOAD_D%\Customer\1603_1620
rdbloader -mi -i TPCC.HISTORY_90_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1603_1620
del /Q %SL_LOAD_D%\History\1603_1620

```

**File: sload\_x\_16.bat**

```

set SL_LOAD_D=o:\rdb\loaddata
set WK1_D=o:\rdb\sortwk1
set WK2_D=o:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_ *
@rem del /Q x:\rdb\loaddata\Warehouse\*_ *
@rem del /Q x:\rdb\loaddata\District\*_ *
@rem del /Q x:\rdb\loaddata\Stock\*_ *
@rem del /Q x:\rdb\loaddata\Orders\*_ *
@rem del /Q x:\rdb\loaddata\NewOrder\*_ *
@rem del /Q x:\rdb\loaddata\OrderLine\*_ *
@rem del /Q x:\rdb\loaddata\Customer\*_ *
@rem del /Q x:\rdb\loaddata\History\*_ *

@rem del /Q x:\rdb\sortwk?\ISRT*

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1621 1656
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_46_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1621_1656
del /Q %SL_LOAD_D%\Stock\1621_1656
wtpccd1.c.dec_to_int.bin a 1657 1692
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_47_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1657_1692
del /Q %SL_LOAD_D%\Stock\1657_1692

```

```

wtpccd1.c.dec_to_int.bin a 1693 1728
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_48_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1693_1728
del /Q %SL_LOAD_D%\Stock\1693_1728

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1621 1629
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_181_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1621_16
29
del
/Q %SL_LOAD_D%\OrderLine\1621_1629
wtpccd1.c.dec_to_int.bin a 1630 1638
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_182_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1630_16
38
del
/Q %SL_LOAD_D%\OrderLine\1630_1638

  rdbloader -mi -i TPCC.ORDER_91_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1621_1629
%SL_LOAD_D%\Orders\1630_1638
del /Q %SL_LOAD_D%\Orders\1621_1629
del /Q %SL_LOAD_D%\Orders\1630_1638
rdbloader -mi -i
TPCC.NEWORDER_91_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1621_1629 %SL_L
OAD_D%\NewOrder\1630_1638
del
/Q %SL_LOAD_D%\NewOrder\1621_1629
del
/Q %SL_LOAD_D%\NewOrder\1630_1638

wtpccd1.c.dec_to_int.bin a 1639 1647
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_183_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1639_16
47
del
/Q %SL_LOAD_D%\OrderLine\1639_1647
wtpccd1.c.dec_to_int.bin a 1648 1656
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_184_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1648_16
56
del
/Q %SL_LOAD_D%\OrderLine\1648_1656

  rdbloader -mi -i TPCC.ORDER_92_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1639_1647
%SL_LOAD_D%\Orders\1648_1656
del /Q %SL_LOAD_D%\Orders\1639_1647
del /Q %SL_LOAD_D%\Orders\1648_1656

```

```

rdbloader -mi -i
TPCC.NEWORDER_92_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1639_1647 %SL_L
OAD_D%\NewOrder\1648_1656
del
/Q %SL_LOAD_D%\NewOrder\1639_1647
del
/Q %SL_LOAD_D%\NewOrder\1648_1656

wtpccd1.c.dec_to_int.bin a 1657 1665
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_185_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1657_16
65
del
/Q %SL_LOAD_D%\OrderLine\1657_1665
wtpccd1.c.dec_to_int.bin a 1666 1674
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_186_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1666_16
74
del
/Q %SL_LOAD_D%\OrderLine\1666_1674

  rdbloader -mi -i TPCC.ORDER_93_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1657_1665
%SL_LOAD_D%\Orders\1666_1674
del /Q %SL_LOAD_D%\Orders\1657_1665
del /Q %SL_LOAD_D%\Orders\1666_1674
rdbloader -mi -i
TPCC.NEWORDER_93_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1657_1665 %SL_L
OAD_D%\NewOrder\1666_1674
del
/Q %SL_LOAD_D%\NewOrder\1657_1665
del
/Q %SL_LOAD_D%\NewOrder\1666_1674

wtpccd1.c.dec_to_int.bin a 1675 1683
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_187_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1675_16
83
del
/Q %SL_LOAD_D%\OrderLine\1675_1683
wtpccd1.c.dec_to_int.bin a 1684 1692
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_188_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1684_16
92
del
/Q %SL_LOAD_D%\OrderLine\1684_1692

  rdbloader -mi -i TPCC.ORDER_94_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1675_1683
%SL_LOAD_D%\Orders\1684_1692
del /Q %SL_LOAD_D%\Orders\1675_1683
del /Q %SL_LOAD_D%\Orders\1684_1692
rdbloader -mi -i
TPCC.NEWORDER_94_DSI -h -f 20 -

```

```

s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1675_1683 %SL_L
OAD_D%\NewOrder\1684_1692
del
/Q %SL_LOAD_D%\NewOrder\1675_1683
del
/Q %SL_LOAD_D%\NewOrder\1684_1692

wtpccd1.c.dec_to_int.bin a 1693 1701
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_189_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1693_17
01
del
/Q %SL_LOAD_D%\OrderLine\1693_1701
wtpccd1.c.dec_to_int.bin a 1702 1710
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_190_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1702_17
10
del
/Q %SL_LOAD_D%\OrderLine\1702_1710

  rdbloader -mi -i TPCC.ORDER_95_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1693_1701
%SL_LOAD_D%\Orders\1702_1710
del /Q %SL_LOAD_D%\Orders\1693_1701
del /Q %SL_LOAD_D%\Orders\1702_1710
rdbloader -mi -i
TPCC.NEWORDER_95_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1693_1701 %SL_L
OAD_D%\NewOrder\1702_1710
del
/Q %SL_LOAD_D%\NewOrder\1693_1701
del
/Q %SL_LOAD_D%\NewOrder\1702_1710

wtpccd1.c.dec_to_int.bin a 1711 1719
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_191_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1711_17
19
del
/Q %SL_LOAD_D%\OrderLine\1711_1719
wtpccd1.c.dec_to_int.bin a 1720 1728
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_192_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1720_17
28
del
/Q %SL_LOAD_D%\OrderLine\1720_1728

  rdbloader -mi -i TPCC.ORDER_96_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1711_1719
%SL_LOAD_D%\Orders\1720_1728
del /Q %SL_LOAD_D%\Orders\1711_1719
del /Q %SL_LOAD_D%\Orders\1720_1728
rdbloader -mi -i
TPCC.NEWORDER_96_DSI -h -f 20 -
s %WK1_D% -

```

```

n %SL_LOAD_D%\NewOrder\1711_1719 %SL_L
OAD_D%\NewOrder\1720_1728
del
/Q %SL_LOAD_D%\NewOrder\1711_1719
del
/Q %SL_LOAD_D%\NewOrder\1720_1728

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1621 1638
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_91_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1621_1638
del
/Q %SL_LOAD_D%\Customer\1621_1638
rdbloader -mi -i TPCC.HISTORY_91_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1621_1638
del /Q %SL_LOAD_D%\History\1621_1638
wtpccd1.c.dec_to_int.bin a 1639 1656
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_92_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1639_1656
del
/Q %SL_LOAD_D%\Customer\1639_1656
rdbloader -mi -i TPCC.HISTORY_92_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1639_1656
del /Q %SL_LOAD_D%\History\1639_1656
wtpccd1.c.dec_to_int.bin a 1657 1674
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_93_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1657_1674
del
/Q %SL_LOAD_D%\Customer\1657_1674
rdbloader -mi -i TPCC.HISTORY_93_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1657_1674
del /Q %SL_LOAD_D%\History\1657_1674
wtpccd1.c.dec_to_int.bin a 1675 1692
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_94_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1675_1692
del
/Q %SL_LOAD_D%\Customer\1675_1692
rdbloader -mi -i TPCC.HISTORY_94_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1675_1692
del /Q %SL_LOAD_D%\History\1675_1692
wtpccd1.c.dec_to_int.bin a 1693 1710
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_95_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1693_1710
del
/Q %SL_LOAD_D%\Customer\1693_1710
rdbloader -mi -i TPCC.HISTORY_95_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1693_1710
del /Q %SL_LOAD_D%\History\1693_1710
wtpccd1.c.dec_to_int.bin a 1711 1728
C %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.CUSTOMER_96_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1711_1728
del
/Q %SL_LOAD_D%\Customer\1711_1728
rdbloader -mi -i TPCC.HISTORY_96_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1711_1728
del /Q %SL_LOAD_D%\History\1711_1728

File: slload_x_17.bat

set SL_LOAD_D=p:\rdb\loaddata
set WK1_D=p:\rdb\sortwk1
set WK2_D=p:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

@rem del /Q x:\rdb\sortwk?\SRT*

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 1729 1764
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_49_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1729_1764
del /Q %SL_LOAD_D%\Stock\1729_1764
wtpccd1.c.dec_to_int.bin a 1765 1800
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_50_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1765_1800
del /Q %SL_LOAD_D%\Stock\1765_1800
wtpccd1.c.dec_to_int.bin a 1801 1836
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_51_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1801_1836
del /Q %SL_LOAD_D%\Stock\1801_1836

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 1729 1737
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_193_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1729_17
37
del
/Q %SL_LOAD_D%\OrderLine\1729_1737
wtpccd1.c.dec_to_int.bin a 1738 1746
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_194_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\1738_17
46
del
/Q %SL_LOAD_D%\OrderLine\1738_1746

rdbloader -mi -i TPCC.ORDER_97_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1729_1737
%SL_LOAD_D%\Orders\1738_1746
del /Q %SL_LOAD_D%\Orders\1729_1737
del /Q %SL_LOAD_D%\Orders\1738_1746
rdbloader -mi -i
TPCC.NEWORDER_97_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1729_1737 %SL_L
OAD_D%\NewOrder\1738_1746
del
/Q %SL_LOAD_D%\NewOrder\1729_1737
del
/Q %SL_LOAD_D%\NewOrder\1738_1746

wtpccd1.c.dec_to_int.bin a 1747 1755
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_195_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1747_17
55
del
/Q %SL_LOAD_D%\OrderLine\1747_1755
wtpccd1.c.dec_to_int.bin a 1756 1764
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_196_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1756_17
64
del
/Q %SL_LOAD_D%\OrderLine\1756_1764

rdbloader -mi -i TPCC.ORDER_98_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1747_1755
%SL_LOAD_D%\Orders\1756_1764
del /Q %SL_LOAD_D%\Orders\1747_1755
del /Q %SL_LOAD_D%\Orders\1756_1764
rdbloader -mi -i
TPCC.NEWORDER_98_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1747_1755 %SL_L
OAD_D%\NewOrder\1756_1764
del
/Q %SL_LOAD_D%\NewOrder\1747_1755
del
/Q %SL_LOAD_D%\NewOrder\1756_1764

wtpccd1.c.dec_to_int.bin a 1765 1773
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_197_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1765_17
73
del
/Q %SL_LOAD_D%\OrderLine\1765_1773
wtpccd1.c.dec_to_int.bin a 1774 1782
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_198_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1774_17
82

```

```

del
/Q %SL_LOAD_D%\OrderLine\1774_1782

rdbloader -mi -i TPCC.ORDERS_99_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1765_1773
%SL_LOAD_D%\Orders\1774_1782
del /Q %SL_LOAD_D%\Orders\1765_1773
del /Q %SL_LOAD_D%\Orders\1774_1782
rdbloader -mi -i
TPCC.NEWORDER_99_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1765_1773 %SL_L
OAD_D%\NewOrder\1774_1782
del
/Q %SL_LOAD_D%\NewOrder\1765_1773
del
/Q %SL_LOAD_D%\NewOrder\1774_1782

wtpccd1.c.dec_to_int.bin a 1783 1791
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_199_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1783_17
91
del
/Q %SL_LOAD_D%\OrderLine\1783_1791
wtpccd1.c.dec_to_int.bin a 1792 1800
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_200_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1792_18
00
del
/Q %SL_LOAD_D%\OrderLine\1792_1800

rdbloader -mi -i TPCC.ORDERS_100_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1783_1791
%SL_LOAD_D%\Orders\1792_1800
del /Q %SL_LOAD_D%\Orders\1783_1791
del /Q %SL_LOAD_D%\Orders\1792_1800
rdbloader -mi -i
TPCC.NEWORDER_100_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1783_1791 %SL_L
OAD_D%\NewOrder\1792_1800
del
/Q %SL_LOAD_D%\NewOrder\1783_1791
del
/Q %SL_LOAD_D%\NewOrder\1792_1800

wtpccd1.c.dec_to_int.bin a 1801 1809
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_201_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1801_18
09
del
/Q %SL_LOAD_D%\OrderLine\1801_1809
wtpccd1.c.dec_to_int.bin a 1810 1818
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_202_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1810_18
18
del
/Q %SL_LOAD_D%\OrderLine\1810_1818

```

```

rdbloader -mi -i TPCC.ORDERS_101_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1801_1809
%SL_LOAD_D%\Orders\1810_1818
del /Q %SL_LOAD_D%\Orders\1801_1809
del /Q %SL_LOAD_D%\Orders\1810_1818
rdbloader -mi -i
TPCC.NEWORDER_101_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1801_1809 %SL_L
OAD_D%\NewOrder\1810_1818
del
/Q %SL_LOAD_D%\NewOrder\1801_1809
del
/Q %SL_LOAD_D%\NewOrder\1810_1818

wtpccd1.c.dec_to_int.bin a 1819 1827
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_203_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1819_18
27
del
/Q %SL_LOAD_D%\OrderLine\1819_1827
wtpccd1.c.dec_to_int.bin a 1828 1836
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_204_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1828_18
36
del
/Q %SL_LOAD_D%\OrderLine\1828_1836

rdbloader -mi -i TPCC.ORDERS_102_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1819_1827
%SL_LOAD_D%\Orders\1828_1836
del /Q %SL_LOAD_D%\Orders\1819_1827
del /Q %SL_LOAD_D%\Orders\1828_1836
rdbloader -mi -i
TPCC.NEWORDER_102_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1819_1827 %SL_L
OAD_D%\NewOrder\1828_1836
del
/Q %SL_LOAD_D%\NewOrder\1819_1827
del
/Q %SL_LOAD_D%\NewOrder\1828_1836

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1729 1746
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_97_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1729_1746
del
/Q %SL_LOAD_D%\Customer\1729_1746
rdbloader -mi -i TPCC.HISTORY_97_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1729_1746
del /Q %SL_LOAD_D%\History\1729_1746
wtpccd1.c.dec_to_int.bin a 1747 1764
C %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.CUSTOMER_98_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1747_1764
del
/Q %SL_LOAD_D%\Customer\1747_1764
rdbloader -mi -i TPCC.HISTORY_98_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1747_1764
del /Q %SL_LOAD_D%\History\1747_1764
wtpccd1.c.dec_to_int.bin a 1765 1782
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_99_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1765_1782
del
/Q %SL_LOAD_D%\Customer\1765_1782
rdbloader -mi -i TPCC.HISTORY_99_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\1765_1782
del /Q %SL_LOAD_D%\History\1765_1782
wtpccd1.c.dec_to_int.bin a 1783 1800
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_100_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1783_1800
del
/Q %SL_LOAD_D%\Customer\1783_1800
rdbloader -mi -i TPCC.HISTORY_100_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1783_1800
del /Q %SL_LOAD_D%\History\1783_1800
wtpccd1.c.dec_to_int.bin a 1801 1818
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_101_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1801_1818
del
/Q %SL_LOAD_D%\Customer\1801_1818
rdbloader -mi -i TPCC.HISTORY_101_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1801_1818
del /Q %SL_LOAD_D%\History\1801_1818
wtpccd1.c.dec_to_int.bin a 1819 1836
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_102_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1819_1836
del
/Q %SL_LOAD_D%\Customer\1819_1836
rdbloader -mi -i TPCC.HISTORY_102_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1819_1836
del /Q %SL_LOAD_D%\History\1819_1836

```

**File: sload\_x.18.bat**

```

set SL_LOAD_D=p:\rdbloaddata
set WK1_D=p:\rdbsortwk1
set WK2_D=p:\rdbsortwk2
set WK3_D=x:\rdbsortwk3
set WK4_D=x:\rdbsortwk4

@rem del /Q x:\rdbloaddata\Item\*_.*
@rem del /Q x:\rdbloaddata\Warehouse\*_.*
@rem del /Q x:\rdbloaddata\District\*_.*
@rem del /Q x:\rdbloaddata\Stock\*_.*

```

```

@rem del /Q x:\rdb\loaddata\Orders\*_
@rem del /Q x:\rdb\loaddata\NewOrder\*_
@rem del /Q x:\rdb\loaddata\OrderLine\*_
@rem del /Q x:\rdb\loaddata\Customer\*_
@rem del /Q x:\rdb\loaddata\History\*_

@rem del /Q x:\rdb\sortwk\?SRT*

@rem ### Stock ###
    wtpccd1.c.dec_to_int.bin a 1837 1872
S %SL_LOAD_D%
    rdbloader -mi -i TPCC.STOCK_52_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1837_1872
    del /Q %SL_LOAD_D%\Stock\1837_1872
    wtpccd1.c.dec_to_int.bin a 1873 1908
S %SL_LOAD_D%
    rdbloader -mi -i TPCC.STOCK_53_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1873_1908
    del /Q %SL_LOAD_D%\Stock\1873_1908
    wtpccd1.c.dec_to_int.bin a 1909 1944
S %SL_LOAD_D%
    rdbloader -mi -i TPCC.STOCK_54_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1909_1944
    del /Q %SL_LOAD_D%\Stock\1909_1944

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
    wtpccd1.c.dec_to_int.bin a 1837 1845
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_205_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1837_18
45
    del
/Q %SL_LOAD_D%\OrderLine\1837_1845
    wtpccd1.c.dec_to_int.bin a 1846 1854
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_206_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1846_18
54
    del
/Q %SL_LOAD_D%\OrderLine\1846_1854

    rdbloader -mi -i TPCC.ORDERLIN_103_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1837_1845
%SL_LOAD_D%\Orders\1846_1854
    del /Q %SL_LOAD_D%\Orders\1837_1845
    del /Q %SL_LOAD_D%\Orders\1846_1854
    rdbloader -mi -i
TPCC.NEWORDER_103_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1837_1845 %SL_L
OAD_D%\NewOrder\1846_1854
    del
/Q %SL_LOAD_D%\NewOrder\1837_1845
    del
/Q %SL_LOAD_D%\NewOrder\1846_1854

    wtpccd1.c.dec_to_int.bin a 1855 1863
O %SL_LOAD_D%

```

```

    rdbloader -mi -i
TPCC.ORDERLIN_207_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1855_18
63
    del
/Q %SL_LOAD_D%\OrderLine\1855_1863
    wtpccd1.c.dec_to_int.bin a 1864 1872
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_208_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1864_18
72
    del
/Q %SL_LOAD_D%\OrderLine\1864_1872

    rdbloader -mi -i TPCC.ORDERLIN_104_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1855_1863
%SL_LOAD_D%\Orders\1864_1872
    del /Q %SL_LOAD_D%\Orders\1855_1863
    del /Q %SL_LOAD_D%\Orders\1864_1872
    rdbloader -mi -i
TPCC.NEWORDER_104_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1855_1863 %SL_L
OAD_D%\NewOrder\1864_1872
    del
/Q %SL_LOAD_D%\NewOrder\1855_1863
    del
/Q %SL_LOAD_D%\NewOrder\1864_1872

    wtpccd1.c.dec_to_int.bin a 1873 1881
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_209_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1873_18
81
    del
/Q %SL_LOAD_D%\OrderLine\1873_1881
    wtpccd1.c.dec_to_int.bin a 1882 1890
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_210_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1882_18
90
    del
/Q %SL_LOAD_D%\OrderLine\1882_1890

    rdbloader -mi -i TPCC.ORDERLIN_105_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1873_1881
%SL_LOAD_D%\Orders\1882_1890
    del /Q %SL_LOAD_D%\Orders\1873_1881
    del /Q %SL_LOAD_D%\Orders\1882_1890
    rdbloader -mi -i
TPCC.NEWORDER_105_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1873_1881 %SL_L
OAD_D%\NewOrder\1882_1890
    del
/Q %SL_LOAD_D%\NewOrder\1873_1881
    del
/Q %SL_LOAD_D%\NewOrder\1882_1890

    wtpccd1.c.dec_to_int.bin a 1891 1899
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_211_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\1891_18
99
    del
/Q %SL_LOAD_D%\OrderLine\1891_1899
    wtpccd1.c.dec_to_int.bin a 1900 1908
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_212_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1900_19
08
    del
/Q %SL_LOAD_D%\OrderLine\1900_1908

    rdbloader -mi -i TPCC.ORDERLIN_106_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1891_1899
%SL_LOAD_D%\Orders\1900_1908
    del /Q %SL_LOAD_D%\Orders\1891_1899
    del /Q %SL_LOAD_D%\Orders\1900_1908
    rdbloader -mi -i
TPCC.NEWORDER_106_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1891_1899 %SL_L
OAD_D%\NewOrder\1900_1908
    del
/Q %SL_LOAD_D%\NewOrder\1891_1899
    del
/Q %SL_LOAD_D%\NewOrder\1900_1908

    wtpccd1.c.dec_to_int.bin a 1909 1917
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_213_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1909_19
17
    del
/Q %SL_LOAD_D%\OrderLine\1909_1917
    wtpccd1.c.dec_to_int.bin a 1918 1926
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_214_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1918_19
26
    del
/Q %SL_LOAD_D%\OrderLine\1918_1926

    rdbloader -mi -i TPCC.ORDERLIN_107_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1909_1917
%SL_LOAD_D%\Orders\1918_1926
    del /Q %SL_LOAD_D%\Orders\1909_1917
    del /Q %SL_LOAD_D%\Orders\1918_1926
    rdbloader -mi -i
TPCC.NEWORDER_107_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1909_1917 %SL_L
OAD_D%\NewOrder\1918_1926
    del
/Q %SL_LOAD_D%\NewOrder\1909_1917
    del
/Q %SL_LOAD_D%\NewOrder\1918_1926

    wtpccd1.c.dec_to_int.bin a 1927 1935
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_215_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1927_19
35

```

```

del
/Q %SL_LOAD_D%\OrderLine\1927_1935
  wtpccd1.c.dec_to_int.bin a 1936 1944
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_216_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1936_1944
del
/Q %SL_LOAD_D%\OrderLine\1936_1944

  rdbloader -mi -i TPCC.ORDER_108_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1927_1935
%SL_LOAD_D%\Orders\1936_1944
del /Q %SL_LOAD_D%\Orders\1927_1935
del /Q %SL_LOAD_D%\Orders\1936_1944
  rdbloader -mi -i
TPCC.NEWORDER_108_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1927_1935 %SL_LOAD_D%\NewOrder\1936_1944
del
/Q %SL_LOAD_D%\NewOrder\1927_1935
del
/Q %SL_LOAD_D%\NewOrder\1936_1944

@rem ### Customer ###
@rem ### History ###
  wtpccd1.c.dec_to_int.bin a 1837 1854
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_103_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1837_1854
del
/Q %SL_LOAD_D%\Customer\1837_1854
  rdbloader -mi -i TPCC.HISTORY_103_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1837_1854
del /Q %SL_LOAD_D%\History\1837_1854
  wtpccd1.c.dec_to_int.bin a 1855 1872
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_104_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1855_1872
del
/Q %SL_LOAD_D%\Customer\1855_1872
  rdbloader -mi -i TPCC.HISTORY_104_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1855_1872
del /Q %SL_LOAD_D%\History\1855_1872
  wtpccd1.c.dec_to_int.bin a 1873 1890
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_105_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1873_1890
del
/Q %SL_LOAD_D%\Customer\1873_1890
  rdbloader -mi -i TPCC.HISTORY_105_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1873_1890
del /Q %SL_LOAD_D%\History\1873_1890
  wtpccd1.c.dec_to_int.bin a 1891 1908
C %SL_LOAD_D%

```

```

  rdbloader -mi -i
TPCC.CUSTOMER_106_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1891_1908
del
/Q %SL_LOAD_D%\Customer\1891_1908
  rdbloader -mi -i TPCC.HISTORY_106_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1891_1908
del /Q %SL_LOAD_D%\History\1891_1908
  wtpccd1.c.dec_to_int.bin a 1909 1926
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_107_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1909_1926
del
/Q %SL_LOAD_D%\Customer\1909_1926
  rdbloader -mi -i TPCC.HISTORY_107_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1909_1926
del /Q %SL_LOAD_D%\History\1909_1926
  wtpccd1.c.dec_to_int.bin a 1927 1944
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_108_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1927_1944
del
/Q %SL_LOAD_D%\Customer\1927_1944
  rdbloader -mi -i TPCC.HISTORY_108_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1927_1944
del /Q %SL_LOAD_D%\History\1927_1944

```

**File: sload\_x\_19.bat**

```

set SL_LOAD_D=q:\rdb\loaddata
set WK1_D=q:\rdb\sortwk1
set WK2_D=q:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

@rem del /Q x:\rdb\sortwk\?SRT*

@rem ### Stock ###
  wtpccd1.c.dec_to_int.bin a 1945 1980
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_55_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1945_1980
del /Q %SL_LOAD_D%\Stock\1945_1980
  wtpccd1.c.dec_to_int.bin a 1981 2016
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_56_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\1981_2016
del /Q %SL_LOAD_D%\Stock\1981_2016

```

```

  wtpccd1.c.dec_to_int.bin a 2017 2052
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_57_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\2017_2052
del /Q %SL_LOAD_D%\Stock\2017_2052

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
  wtpccd1.c.dec_to_int.bin a 1945 1953
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_217_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1945_1953
del
/Q %SL_LOAD_D%\OrderLine\1945_1953
  wtpccd1.c.dec_to_int.bin a 1954 1962
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_218_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1954_1962
del
/Q %SL_LOAD_D%\OrderLine\1954_1962

  rdbloader -mi -i TPCC.ORDER_109_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1945_1953
%SL_LOAD_D%\Orders\1954_1962
del /Q %SL_LOAD_D%\Orders\1945_1953
del /Q %SL_LOAD_D%\Orders\1954_1962
  rdbloader -mi -i
TPCC.NEWORDER_109_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1945_1953 %SL_LOAD_D%\NewOrder\1954_1962
del
/Q %SL_LOAD_D%\NewOrder\1945_1953
del
/Q %SL_LOAD_D%\NewOrder\1954_1962

  wtpccd1.c.dec_to_int.bin a 1963 1971
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_219_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1963_1971
del
/Q %SL_LOAD_D%\OrderLine\1963_1971
  wtpccd1.c.dec_to_int.bin a 1972 1980
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_220_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1972_1980
del
/Q %SL_LOAD_D%\OrderLine\1972_1980

  rdbloader -mi -i TPCC.ORDER_110_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1963_1971
%SL_LOAD_D%\Orders\1972_1980
del /Q %SL_LOAD_D%\Orders\1963_1971
del /Q %SL_LOAD_D%\Orders\1972_1980

```

```

rdbloader -mi -i
TPCC.NEWORDER_110_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1963_1971 %SL_L
OAD_D%\NewOrder\1972_1980
del
/Q %SL_LOAD_D%\NewOrder\1963_1971
del
/Q %SL_LOAD_D%\NewOrder\1972_1980

wtpccd1.c.dec_to_int.bin a 1981 1989
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_221_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1981_19
89
del
/Q %SL_LOAD_D%\OrderLine\1981_1989
wtpccd1.c.dec_to_int.bin a 1990 1998
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_222_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1990_19
98
del
/Q %SL_LOAD_D%\OrderLine\1990_1998

rdbloader -mi -i TPCC.ORDER_111_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1981_1989
%SL_LOAD_D%\Orders\1990_1998
del /Q %SL_LOAD_D%\Orders\1981_1989
del /Q %SL_LOAD_D%\Orders\1990_1998
rdbloader -mi -i
TPCC.NEWORDER_111_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1981_1989 %SL_L
OAD_D%\NewOrder\1990_1998
del
/Q %SL_LOAD_D%\NewOrder\1981_1989
del
/Q %SL_LOAD_D%\NewOrder\1990_1998

wtpccd1.c.dec_to_int.bin a 1999 2007
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_223_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\1999_20
07
del
/Q %SL_LOAD_D%\OrderLine\1999_2007
wtpccd1.c.dec_to_int.bin a 2008 2016
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_224_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2008_20
16
del
/Q %SL_LOAD_D%\OrderLine\2008_2016

rdbloader -mi -i TPCC.ORDER_112_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\1999_2007
%SL_LOAD_D%\Orders\2008_2016
del /Q %SL_LOAD_D%\Orders\1999_2007
del /Q %SL_LOAD_D%\Orders\2008_2016
rdbloader -mi -i
TPCC.NEWORDER_112_DSI -h -f 20 -

```

```

s %WK1_D% -
n %SL_LOAD_D%\NewOrder\1999_2007 %SL_L
OAD_D%\NewOrder\2008_2016
del
/Q %SL_LOAD_D%\NewOrder\1999_2007
del
/Q %SL_LOAD_D%\NewOrder\2008_2016

wtpccd1.c.dec_to_int.bin a 2017 2025
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_225_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2017_20
25
del
/Q %SL_LOAD_D%\OrderLine\2017_2025
wtpccd1.c.dec_to_int.bin a 2026 2034
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_226_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2026_20
34
del
/Q %SL_LOAD_D%\OrderLine\2026_2034

rdbloader -mi -i TPCC.ORDER_113_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2017_2025
%SL_LOAD_D%\Orders\2026_2034
del /Q %SL_LOAD_D%\Orders\2017_2025
del /Q %SL_LOAD_D%\Orders\2026_2034
rdbloader -mi -i
TPCC.NEWORDER_113_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2017_2025 %SL_L
OAD_D%\NewOrder\2026_2034
del
/Q %SL_LOAD_D%\NewOrder\2017_2025
del
/Q %SL_LOAD_D%\NewOrder\2026_2034

wtpccd1.c.dec_to_int.bin a 2035 2043
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_227_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2035_20
43
del
/Q %SL_LOAD_D%\OrderLine\2035_2043
wtpccd1.c.dec_to_int.bin a 2044 2052
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_228_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2044_20
52
del
/Q %SL_LOAD_D%\OrderLine\2044_2052

rdbloader -mi -i TPCC.ORDER_114_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2035_2043
%SL_LOAD_D%\Orders\2044_2052
del /Q %SL_LOAD_D%\Orders\2035_2043
del /Q %SL_LOAD_D%\Orders\2044_2052
rdbloader -mi -i
TPCC.NEWORDER_114_DSI -h -f 20 -
s %WK1_D% -

```

```

n %SL_LOAD_D%\NewOrder\2035_2043 %SL_L
OAD_D%\NewOrder\2044_2052
del
/Q %SL_LOAD_D%\NewOrder\2035_2043
del
/Q %SL_LOAD_D%\NewOrder\2044_2052

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 1945 1962
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_109_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1945_1962
del
/Q %SL_LOAD_D%\Customer\1945_1962
rdbloader -mi -i TPCC.HISTORY_109_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1945_1962
del /Q %SL_LOAD_D%\History\1945_1962
wtpccd1.c.dec_to_int.bin a 1963 1980
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_110_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1963_1980
del
/Q %SL_LOAD_D%\Customer\1963_1980
rdbloader -mi -i TPCC.HISTORY_110_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1963_1980
del /Q %SL_LOAD_D%\History\1963_1980
wtpccd1.c.dec_to_int.bin a 1981 1998
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_111_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1981_1998
del
/Q %SL_LOAD_D%\Customer\1981_1998
rdbloader -mi -i TPCC.HISTORY_111_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1981_1998
del /Q %SL_LOAD_D%\History\1981_1998
wtpccd1.c.dec_to_int.bin a 1999 2016
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_112_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\1999_2016
del
/Q %SL_LOAD_D%\Customer\1999_2016
rdbloader -mi -i TPCC.HISTORY_112_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\1999_2016
del /Q %SL_LOAD_D%\History\1999_2016
wtpccd1.c.dec_to_int.bin a 2017 2034
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_113_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2017_2034
del
/Q %SL_LOAD_D%\Customer\2017_2034
rdbloader -mi -i TPCC.HISTORY_113_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2017_2034
del /Q %SL_LOAD_D%\History\2017_2034
wtpccd1.c.dec_to_int.bin a 2035 2052
C %SL_LOAD_D%

```



```

rdbloader -mi -i
TPCC.CUSTOMER_114_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2035_2052
del
/Q %SL_LOAD_D%\Customer\2035_2052
rdbloader -mi -i TPCC.HISTORY_114_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2035_2052
del /Q %SL_LOAD_D%\History\2035_2052

```

**File: sload\_x\_2.bat**

```

set SL_LOAD_D=h:\rdb\loaddata
set WK1_D=h:\rdb\sortwk1
set WK2_D=h:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

@rem del /Q x:\rdb\loaddata\Item*_*
@rem del /Q x:\rdb\loaddata\Warehouse*_*
@rem del /Q x:\rdb\loaddata\District*_*
@rem del /Q x:\rdb\loaddata\Stock*_*
@rem del /Q x:\rdb\loaddata\Orders*_*
@rem del /Q x:\rdb\loaddata\NewOrder*_*
@rem del /Q x:\rdb\loaddata\OrderLine*_*
@rem del /Q x:\rdb\loaddata\Customer*_*
@rem del /Q x:\rdb\loaddata\History*_*

```

```
@rem del /Q x:\rdb\sortwk\?SRT*
```

```
@rem ### Stock ###
```

```

wtpccd1.c.dec_to_int.bin a 109 144
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_4_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\109_144
del /Q %SL_LOAD_D%\Stock\109_144
wtpccd1.c.dec_to_int.bin a 145 180
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_5_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\145_180
del /Q %SL_LOAD_D%\Stock\145_180
wtpccd1.c.dec_to_int.bin a 181 216
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_6_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\181_216
del /Q %SL_LOAD_D%\Stock\181_216

```

```
@rem ### Orders ###
```

```
@rem ### OrderLine ###
```

```
@rem ### NewOrder ###
```

```

wtpccd1.c.dec_to_int.bin a 109 117
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_13_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\109_117
del /Q %SL_LOAD_D%\OrderLine\109_117
wtpccd1.c.dec_to_int.bin a 118 126
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_14_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\118_126
del /Q %SL_LOAD_D%\OrderLine\118_126

```

```

rdbloader -mi -i TPCC.ORDER_7_DSI -
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\109_117 %
SL_LOAD_D%\Orders\118_126
del /Q %SL_LOAD_D%\Orders\109_117
del /Q %SL_LOAD_D%\Orders\118_126
rdbloader -mi -i
TPCC.NEWORDER_7_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\109_117 %SL_LOA
D_D%\NewOrder\118_126
del /Q %SL_LOAD_D%\NewOrder\109_117
del /Q %SL_LOAD_D%\NewOrder\118_126

```

```

wtpccd1.c.dec_to_int.bin a 127 135
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_15_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\127_135
del /Q %SL_LOAD_D%\OrderLine\127_135
wtpccd1.c.dec_to_int.bin a 136 144
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_16_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\136_144
del /Q %SL_LOAD_D%\OrderLine\136_144

```

```

rdbloader -mi -i TPCC.ORDER_8_DSI -
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\127_135 %
SL_LOAD_D%\Orders\136_144
del /Q %SL_LOAD_D%\Orders\127_135
del /Q %SL_LOAD_D%\Orders\136_144
rdbloader -mi -i
TPCC.NEWORDER_8_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\127_135 %SL_LOA
D_D%\NewOrder\136_144
del /Q %SL_LOAD_D%\NewOrder\127_135
del /Q %SL_LOAD_D%\NewOrder\136_144

```

```

wtpccd1.c.dec_to_int.bin a 145 153
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_17_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\145_153
del /Q %SL_LOAD_D%\OrderLine\145_153
wtpccd1.c.dec_to_int.bin a 154 162
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_18_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\154_162
del /Q %SL_LOAD_D%\OrderLine\154_162

```

```

rdbloader -mi -i TPCC.ORDER_9_DSI -
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\145_153 %
SL_LOAD_D%\Orders\154_162
del /Q %SL_LOAD_D%\Orders\145_153
del /Q %SL_LOAD_D%\Orders\154_162
rdbloader -mi -i
TPCC.NEWORDER_9_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\145_153 %SL_LOA
D_D%\NewOrder\154_162
del /Q %SL_LOAD_D%\NewOrder\145_153
del /Q %SL_LOAD_D%\NewOrder\154_162

```

```

wtpccd1.c.dec_to_int.bin a 163 171
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_19_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\163_171
del /Q %SL_LOAD_D%\OrderLine\163_171
wtpccd1.c.dec_to_int.bin a 172 180
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_20_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\172_180
del /Q %SL_LOAD_D%\OrderLine\172_180

```

```

rdbloader -mi -i TPCC.ORDER_10_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\163_171 %
SL_LOAD_D%\Orders\172_180
del /Q %SL_LOAD_D%\Orders\163_171
del /Q %SL_LOAD_D%\Orders\172_180
rdbloader -mi -i
TPCC.NEWORDER_10_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\163_171 %SL_LOA
D_D%\NewOrder\172_180
del /Q %SL_LOAD_D%\NewOrder\163_171
del /Q %SL_LOAD_D%\NewOrder\172_180

```

```

wtpccd1.c.dec_to_int.bin a 181 189
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_21_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\181_189
del /Q %SL_LOAD_D%\OrderLine\181_189
wtpccd1.c.dec_to_int.bin a 190 198
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_22_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\190_198
del /Q %SL_LOAD_D%\OrderLine\190_198

```

```

rdbloader -mi -i TPCC.ORDER_11_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\181_189 %
SL_LOAD_D%\Orders\190_198
del /Q %SL_LOAD_D%\Orders\181_189
del /Q %SL_LOAD_D%\Orders\190_198
rdbloader -mi -i
TPCC.NEWORDER_11_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\181_189 %SL_LOA
D_D%\NewOrder\190_198
del /Q %SL_LOAD_D%\NewOrder\181_189
del /Q %SL_LOAD_D%\NewOrder\190_198

```

```

wtpccd1.c.dec_to_int.bin a 199 207
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_23_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\199_207
del /Q %SL_LOAD_D%\OrderLine\199_207
wtpccd1.c.dec_to_int.bin a 208 216
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_24_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\208_216
del /Q %SL_LOAD_D%\OrderLine\208_216

```

```

rdbloader -mi -i TPCC.ORDERS_12_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\199_207 %
SL_LOAD_D%\Orders\208_216
del /Q %SL_LOAD_D%\Orders\199_207
del /Q %SL_LOAD_D%\Orders\208_216
rdbloader -mi -i
TPCC.NEWORDER_12_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\199_207 %SL_LOA
D_D%\NewOrder\208_216
del /Q %SL_LOAD_D%\NewOrder\199_207
del /Q %SL_LOAD_D%\NewOrder\208_216

@rem ### Customer ###
@rem ### History ###
wtpcc1.c.dec_to_int.bin a 109 126
C %SL_LOAD_D%
rdbloader -mi -i TPCC.CUSTOMER_7_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\Customer\109_126
del /Q %SL_LOAD_D%\Customer\109_126
rdbloader -mi -i TPCC.HISTORY_7_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\109_126
del /Q %SL_LOAD_D%\History\109_126
wtpcc1.c.dec_to_int.bin a 127 144
C %SL_LOAD_D%
rdbloader -mi -i TPCC.CUSTOMER_8_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\Customer\127_144
del /Q %SL_LOAD_D%\Customer\127_144
rdbloader -mi -i TPCC.HISTORY_8_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\127_144
del /Q %SL_LOAD_D%\History\127_144
wtpcc1.c.dec_to_int.bin a 145 162
C %SL_LOAD_D%
rdbloader -mi -i TPCC.CUSTOMER_9_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\Customer\145_162
del /Q %SL_LOAD_D%\Customer\145_162
rdbloader -mi -i TPCC.HISTORY_9_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\145_162
del /Q %SL_LOAD_D%\History\145_162
wtpcc1.c.dec_to_int.bin a 163 180
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_10_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\163_180
del /Q %SL_LOAD_D%\Customer\163_180
rdbloader -mi -i TPCC.HISTORY_10_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\163_180
del /Q %SL_LOAD_D%\History\163_180
wtpcc1.c.dec_to_int.bin a 181 198
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_11_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\181_198
del /Q %SL_LOAD_D%\Customer\181_198
rdbloader -mi -i TPCC.HISTORY_11_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\181_198
del /Q %SL_LOAD_D%\History\181_198

```

```

wtpcc1.c.dec_to_int.bin a 199 216
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_12_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\199_216
del /Q %SL_LOAD_D%\Customer\199_216
rdbloader -mi -i TPCC.HISTORY_12_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\199_216
del /Q %SL_LOAD_D%\History\199_216

```

**File: sload x 20.bat**

```

set SL_LOAD_D=q:\rdb\loaddata
set WK1_D=q:\rdb\sortwk1
set WK2_D=q:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_
@rem del /Q x:\rdb\loaddata\Warehouse\*_
@rem del /Q x:\rdb\loaddata\District\*_
@rem del /Q x:\rdb\loaddata\Stock\*_
@rem del /Q x:\rdb\loaddata\Orders\*_
@rem del /Q x:\rdb\loaddata\NewOrder\*_
@rem del /Q x:\rdb\loaddata\OrderLine\*_
@rem del /Q x:\rdb\loaddata\Customer\*_
@rem del /Q x:\rdb\loaddata\History\*_

@rem del /Q x:\rdb\sortwk?\SRT*

@rem ### Stock ###
wtpcc1.c.dec_to_int.bin a 2053 2088
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_58_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\2053_2088
del /Q %SL_LOAD_D%\Stock\2053_2088
wtpcc1.c.dec_to_int.bin a 2089 2124
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_59_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\2089_2124
del /Q %SL_LOAD_D%\Stock\2089_2124
wtpcc1.c.dec_to_int.bin a 2125 2160
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_60_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\2125_2160
del /Q %SL_LOAD_D%\Stock\2125_2160

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpcc1.c.dec_to_int.bin a 2053 2061
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_229_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2053_20
61
del
/Q %SL_LOAD_D%\OrderLine\2053_2061
wtpcc1.c.dec_to_int.bin a 2062 2070
O %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.ORDERLIN_230_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2062_20
70
del
/Q %SL_LOAD_D%\OrderLine\2062_2070

rdbloader -mi -i TPCC.ORDERS_115_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2053_2061
%SL_LOAD_D%\Orders\2062_2070
del /Q %SL_LOAD_D%\Orders\2053_2061
del /Q %SL_LOAD_D%\Orders\2062_2070
rdbloader -mi -i
TPCC.NEWORDER_115_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2053_2061 %SL_L
OAD_D%\NewOrder\2062_2070
del
/Q %SL_LOAD_D%\NewOrder\2053_2061
del
/Q %SL_LOAD_D%\NewOrder\2062_2070

wtpcc1.c.dec_to_int.bin a 2071 2079
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_231_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2071_20
79
del
/Q %SL_LOAD_D%\OrderLine\2071_2079
wtpcc1.c.dec_to_int.bin a 2080 2088
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_232_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2080_20
88
del
/Q %SL_LOAD_D%\OrderLine\2080_2088

rdbloader -mi -i TPCC.ORDERS_116_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2071_2079
%SL_LOAD_D%\Orders\2080_2088
del /Q %SL_LOAD_D%\Orders\2071_2079
del /Q %SL_LOAD_D%\Orders\2080_2088
rdbloader -mi -i
TPCC.NEWORDER_116_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2071_2079 %SL_L
OAD_D%\NewOrder\2080_2088
del
/Q %SL_LOAD_D%\NewOrder\2071_2079
del
/Q %SL_LOAD_D%\NewOrder\2080_2088

wtpcc1.c.dec_to_int.bin a 2089 2097
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_233_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2089_20
97
del
/Q %SL_LOAD_D%\OrderLine\2089_2097
wtpcc1.c.dec_to_int.bin a 2098 2106
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_234_DSI -h -

```

```

s %WK1_D% %SL_LOAD_D%\OrderLine\2098_21
06
del
/Q %SL_LOAD_D%\OrderLine\2098_2106

rdbloader -mi -i TPCC.ORDERS_117_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2089_2097
%SL_LOAD_D%\Orders\2098_2106
del /Q %SL_LOAD_D%\Orders\2089_2097
del /Q %SL_LOAD_D%\Orders\2098_2106
rdbloader -mi -i
TPCC.NEWORDER_117_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2089_2097 %SL_L
OAD_D%\NewOrder\2098_2106
del
/Q %SL_LOAD_D%\NewOrder\2089_2097
del
/Q %SL_LOAD_D%\NewOrder\2098_2106

wtpccd1.c.dec_to_int.bin a 2107 2115
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_235_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2107_21
15
del
/Q %SL_LOAD_D%\OrderLine\2107_2115
wtpccd1.c.dec_to_int.bin a 2116 2124
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_236_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2116_21
24
del
/Q %SL_LOAD_D%\OrderLine\2116_2124

rdbloader -mi -i TPCC.ORDERS_118_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2107_2115
%SL_LOAD_D%\Orders\2116_2124
del /Q %SL_LOAD_D%\Orders\2107_2115
del /Q %SL_LOAD_D%\Orders\2116_2124
rdbloader -mi -i
TPCC.NEWORDER_118_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2107_2115 %SL_L
OAD_D%\NewOrder\2116_2124
del
/Q %SL_LOAD_D%\NewOrder\2107_2115
del
/Q %SL_LOAD_D%\NewOrder\2116_2124

wtpccd1.c.dec_to_int.bin a 2125 2133
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_237_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2125_21
33
del
/Q %SL_LOAD_D%\OrderLine\2125_2133
wtpccd1.c.dec_to_int.bin a 2134 2142
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_238_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2134_21
42

```

```

del
/Q %SL_LOAD_D%\OrderLine\2134_2142

rdbloader -mi -i TPCC.ORDERS_119_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2125_2133
%SL_LOAD_D%\Orders\2134_2142
del /Q %SL_LOAD_D%\Orders\2125_2133
del /Q %SL_LOAD_D%\Orders\2134_2142
rdbloader -mi -i
TPCC.NEWORDER_119_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2125_2133 %SL_L
OAD_D%\NewOrder\2134_2142
del
/Q %SL_LOAD_D%\NewOrder\2125_2133
del
/Q %SL_LOAD_D%\NewOrder\2134_2142

wtpccd1.c.dec_to_int.bin a 2143 2151
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_239_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2143_21
51
del
/Q %SL_LOAD_D%\OrderLine\2143_2151
wtpccd1.c.dec_to_int.bin a 2152 2160
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_240_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2152_21
60
del
/Q %SL_LOAD_D%\OrderLine\2152_2160

rdbloader -mi -i TPCC.ORDERS_120_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2143_2151
%SL_LOAD_D%\Orders\2152_2160
del /Q %SL_LOAD_D%\Orders\2143_2151
del /Q %SL_LOAD_D%\Orders\2152_2160
rdbloader -mi -i
TPCC.NEWORDER_120_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2143_2151 %SL_L
OAD_D%\NewOrder\2152_2160
del
/Q %SL_LOAD_D%\NewOrder\2143_2151
del
/Q %SL_LOAD_D%\NewOrder\2152_2160

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 2053 2070
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_115_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2053_2070
del
/Q %SL_LOAD_D%\Customer\2053_2070
rdbloader -mi -i TPCC.HISTORY_115_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2053_2070
del /Q %SL_LOAD_D%\History\2053_2070

```

```

wtpccd1.c.dec_to_int.bin a 2071 2088
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_116_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2071_2088
del
/Q %SL_LOAD_D%\Customer\2071_2088
rdbloader -mi -i TPCC.HISTORY_116_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2071_2088
del /Q %SL_LOAD_D%\History\2071_2088
wtpccd1.c.dec_to_int.bin a 2089 2106
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_117_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2089_2106
del
/Q %SL_LOAD_D%\Customer\2089_2106
rdbloader -mi -i TPCC.HISTORY_117_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2089_2106
del /Q %SL_LOAD_D%\History\2089_2106
wtpccd1.c.dec_to_int.bin a 2107 2124
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_118_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2107_2124
del
/Q %SL_LOAD_D%\Customer\2107_2124
rdbloader -mi -i TPCC.HISTORY_118_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2107_2124
del /Q %SL_LOAD_D%\History\2107_2124
wtpccd1.c.dec_to_int.bin a 2125 2142
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_119_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2125_2142
del
/Q %SL_LOAD_D%\Customer\2125_2142
rdbloader -mi -i TPCC.HISTORY_119_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2125_2142
del /Q %SL_LOAD_D%\History\2125_2142
wtpccd1.c.dec_to_int.bin a 2143 2160
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_120_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2143_2160
del
/Q %SL_LOAD_D%\Customer\2143_2160
rdbloader -mi -i TPCC.HISTORY_120_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2143_2160
del /Q %SL_LOAD_D%\History\2143_2160

```

**File: sload x 21.bat**

```

set SL_LOAD_D=s:rdbloaddata
set WK1_D=s:rdbsortwk1
set WK2_D=s:rdbsortwk2
set WK3_D=x:rdbsortwk3
set WK4_D=x:rdbsortwk4

```

```

@rem del /Q x:rdbloaddata\Item\*_*
@rem del /Q x:rdbloaddata\Warehouse\*_*

```

```

@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

@rem del /Q x:\rdb\sortwk\?SRT*

@rem ### Stock ###
    wtpccd1.c.dec_to_int.bin a 2161 2196
S %SL_LOAD_D%
    rdbloader -mi -i TPCC.STOCK_61_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\2161_2196
    del /Q %SL_LOAD_D%\Stock\2161_2196
    wtpccd1.c.dec_to_int.bin a 2197 2232
S %SL_LOAD_D%
    rdbloader -mi -i TPCC.STOCK_62_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\2197_2232
    del /Q %SL_LOAD_D%\Stock\2197_2232

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
    wtpccd1.c.dec_to_int.bin a 2161 2169
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_241_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2161_21
69
    del
/Q %SL_LOAD_D%\OrderLine\2161_2169
    wtpccd1.c.dec_to_int.bin a 2170 2178
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_242_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2170_21
78
    del
/Q %SL_LOAD_D%\OrderLine\2170_2178

    rdbloader -mi -i TPCC.ORDERLIN_121_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2161_2169
%SL_LOAD_D%\Orders\2170_2178
    del /Q %SL_LOAD_D%\Orders\2161_2169
    del /Q %SL_LOAD_D%\Orders\2170_2178
    rdbloader -mi -i
TPCC.NEWORDER_121_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2161_2169 %SL_L
OAD_D%\NewOrder\2170_2178
    del
/Q %SL_LOAD_D%\NewOrder\2161_2169
    del
/Q %SL_LOAD_D%\NewOrder\2170_2178

    wtpccd1.c.dec_to_int.bin a 2179 2187
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_243_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2179_21
87

```

```

    del
/Q %SL_LOAD_D%\OrderLine\2179_2187
    wtpccd1.c.dec_to_int.bin a 2188 2196
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_244_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2188_21
96
    del
/Q %SL_LOAD_D%\OrderLine\2188_2196

    rdbloader -mi -i TPCC.ORDERLIN_122_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2179_2187
%SL_LOAD_D%\Orders\2188_2196
    del /Q %SL_LOAD_D%\Orders\2179_2187
    del /Q %SL_LOAD_D%\Orders\2188_2196
    rdbloader -mi -i
TPCC.NEWORDER_122_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2179_2187 %SL_L
OAD_D%\NewOrder\2188_2196
    del
/Q %SL_LOAD_D%\NewOrder\2179_2187
    del
/Q %SL_LOAD_D%\NewOrder\2188_2196

    wtpccd1.c.dec_to_int.bin a 2197 2205
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_245_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2197_22
05
    del
/Q %SL_LOAD_D%\OrderLine\2197_2205
    wtpccd1.c.dec_to_int.bin a 2206 2214
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_246_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2206_22
14
    del
/Q %SL_LOAD_D%\OrderLine\2206_2214

    rdbloader -mi -i TPCC.ORDERLIN_123_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2197_2205
%SL_LOAD_D%\Orders\2206_2214
    del /Q %SL_LOAD_D%\Orders\2197_2205
    del /Q %SL_LOAD_D%\Orders\2206_2214
    rdbloader -mi -i
TPCC.NEWORDER_123_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2197_2205 %SL_L
OAD_D%\NewOrder\2206_2214
    del
/Q %SL_LOAD_D%\NewOrder\2197_2205
    del
/Q %SL_LOAD_D%\NewOrder\2206_2214

    wtpccd1.c.dec_to_int.bin a 2215 2223
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_247_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2215_22
23
    del
/Q %SL_LOAD_D%\OrderLine\2215_2223

```

```

    wtpccd1.c.dec_to_int.bin a 2224 2232
O %SL_LOAD_D%
    rdbloader -mi -i
TPCC.ORDERLIN_248_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\2224_22
32
    del
/Q %SL_LOAD_D%\OrderLine\2224_2232

    rdbloader -mi -i TPCC.ORDERLIN_124_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\2215_2223
%SL_LOAD_D%\Orders\2224_2232
    del /Q %SL_LOAD_D%\Orders\2215_2223
    del /Q %SL_LOAD_D%\Orders\2224_2232
    rdbloader -mi -i
TPCC.NEWORDER_124_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\2215_2223 %SL_L
OAD_D%\NewOrder\2224_2232
    del
/Q %SL_LOAD_D%\NewOrder\2215_2223
    del
/Q %SL_LOAD_D%\NewOrder\2224_2232

@rem ### Customer ###
@rem ### History ###
    wtpccd1.c.dec_to_int.bin a 2161 2178
C %SL_LOAD_D%
    rdbloader -mi -i
TPCC.CUSTOMER_121_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2161_2178
    del
/Q %SL_LOAD_D%\Customer\2161_2178
    rdbloader -mi -i TPCC.HISTORY_121_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2161_2178
    del /Q %SL_LOAD_D%\History\2161_2178
    wtpccd1.c.dec_to_int.bin a 2179 2196
C %SL_LOAD_D%
    rdbloader -mi -i
TPCC.CUSTOMER_122_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2179_2196
    del
/Q %SL_LOAD_D%\Customer\2179_2196
    rdbloader -mi -i TPCC.HISTORY_122_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2179_2196
    del /Q %SL_LOAD_D%\History\2179_2196
    wtpccd1.c.dec_to_int.bin a 2197 2214
C %SL_LOAD_D%
    rdbloader -mi -i
TPCC.CUSTOMER_123_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2197_2214
    del
/Q %SL_LOAD_D%\Customer\2197_2214
    rdbloader -mi -i TPCC.HISTORY_123_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2197_2214
    del /Q %SL_LOAD_D%\History\2197_2214
    wtpccd1.c.dec_to_int.bin a 2215 2232
C %SL_LOAD_D%
    rdbloader -mi -i
TPCC.CUSTOMER_124_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\2215_2232
    del
/Q %SL_LOAD_D%\Customer\2215_2232

```

```

rdbloader -mi -i TPCC.HISTORY_124_DSI
-h -s %WK1_D% -
n %SL_LOAD_D%\History\2215_2232
del /Q %SL_LOAD_D%\History\2215_2232

```

**File: sload\_x\_3.bat**

```

set SL_LOAD_D=i:\rdb\loaddata
set WK1_D=i:\rdb\sortwk1
set WK2_D=i:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

```

```
@rem del /Q x:\rdb\sortwk\?SRT*
```

```
@rem ### Stock ###
```

```

wtpccd1.c.dec_to_int.bin a 217 252
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_7_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\217_252
del /Q %SL_LOAD_D%\Stock\217_252
wtpccd1.c.dec_to_int.bin a 253 288
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_8_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\253_288
del /Q %SL_LOAD_D%\Stock\253_288
wtpccd1.c.dec_to_int.bin a 289 324
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_9_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\289_324
del /Q %SL_LOAD_D%\Stock\289_324

```

```
@rem ### Orders ###
```

```
@rem ### OrderLine ###
```

```
@rem ### NewOrder ###
```

```

wtpccd1.c.dec_to_int.bin a 217 225
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_25_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\217_225
del /Q %SL_LOAD_D%\OrderLine\217_225
wtpccd1.c.dec_to_int.bin a 226 234
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_26_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\226_234
del /Q %SL_LOAD_D%\OrderLine\226_234

```

```

rdbloader -mi -i TPCC.ORDERLIN_27_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\OrderLine\226_234
del /Q %SL_LOAD_D%\OrderLine\226_234

```

```

del /Q %SL_LOAD_D%\Orders\217_225
del /Q %SL_LOAD_D%\Orders\226_234
rdbloader -mi -i
TPCC.NEWORDER_13_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\217_225 %SL_LOAD_D%\NewOrder\226_234
del /Q %SL_LOAD_D%\NewOrder\217_225
del /Q %SL_LOAD_D%\NewOrder\226_234

```

```

wtpccd1.c.dec_to_int.bin a 235 243
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_27_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\235_243
del /Q %SL_LOAD_D%\OrderLine\235_243
wtpccd1.c.dec_to_int.bin a 244 252
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_28_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\244_252
del /Q %SL_LOAD_D%\OrderLine\244_252

```

```

rdbloader -mi -i TPCC.ORDERLIN_29_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\OrderLine\235_243 %SL_LOAD_D%\OrderLine\244_252
del /Q %SL_LOAD_D%\OrderLine\235_243
del /Q %SL_LOAD_D%\OrderLine\244_252
rdbloader -mi -i

```

```

TPCC.NEWORDER_14_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\235_243 %SL_LOAD_D%\NewOrder\244_252
del /Q %SL_LOAD_D%\NewOrder\235_243
del /Q %SL_LOAD_D%\NewOrder\244_252

```

```

wtpccd1.c.dec_to_int.bin a 253 261
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_29_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\253_261
del /Q %SL_LOAD_D%\OrderLine\253_261
wtpccd1.c.dec_to_int.bin a 262 270
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_30_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\262_270
del /Q %SL_LOAD_D%\OrderLine\262_270

```

```

rdbloader -mi -i TPCC.ORDERLIN_31_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\OrderLine\253_261 %SL_LOAD_D%\OrderLine\262_270
del /Q %SL_LOAD_D%\OrderLine\253_261
del /Q %SL_LOAD_D%\OrderLine\262_270
rdbloader -mi -i
TPCC.NEWORDER_15_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\253_261 %SL_LOAD_D%\NewOrder\262_270
del /Q %SL_LOAD_D%\NewOrder\253_261
del /Q %SL_LOAD_D%\NewOrder\262_270

```

```

wtpccd1.c.dec_to_int.bin a 271 279
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_31_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\271_279
del /Q %SL_LOAD_D%\OrderLine\271_279
wtpccd1.c.dec_to_int.bin a 280 288
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_32_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\280_288
del /Q %SL_LOAD_D%\OrderLine\280_288

```

```

rdbloader -mi -i TPCC.ORDERLIN_33_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\OrderLine\271_279 %SL_LOAD_D%\OrderLine\280_288
del /Q %SL_LOAD_D%\OrderLine\271_279
del /Q %SL_LOAD_D%\OrderLine\280_288

```

```

rdbloader -mi -i
TPCC.NEWORDER_16_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\271_279 %SL_LOAD_D%\NewOrder\280_288
del /Q %SL_LOAD_D%\NewOrder\271_279
del /Q %SL_LOAD_D%\NewOrder\280_288

```

```

wtpccd1.c.dec_to_int.bin a 289 297
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_33_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\289_297
del /Q %SL_LOAD_D%\OrderLine\289_297
wtpccd1.c.dec_to_int.bin a 298 306
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_34_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\298_306
del /Q %SL_LOAD_D%\OrderLine\298_306

```

```

rdbloader -mi -i TPCC.ORDERLIN_35_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\OrderLine\289_297 %SL_LOAD_D%\OrderLine\298_306
del /Q %SL_LOAD_D%\OrderLine\289_297
del /Q %SL_LOAD_D%\OrderLine\298_306
rdbloader -mi -i

```

```

TPCC.NEWORDER_17_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\289_297 %SL_LOAD_D%\NewOrder\298_306
del /Q %SL_LOAD_D%\NewOrder\289_297
del /Q %SL_LOAD_D%\NewOrder\298_306

```

```

wtpccd1.c.dec_to_int.bin a 307 315
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_35_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\307_315
del /Q %SL_LOAD_D%\OrderLine\307_315
wtpccd1.c.dec_to_int.bin a 316 324
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_36_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\316_324
del /Q %SL_LOAD_D%\OrderLine\316_324

```

```

rdbloader -mi -i TPCC.ORDERLIN_37_DSI
-h -f 10 -

```

```
s %WK1_D% %SL_LOAD_D%\Orders\307_315 %
SL_LOAD_D%\Orders\316_324
del /Q %SL_LOAD_D%\Orders\307_315
rdbsl/Q %SL_LOAD_D%\Orders\316_324
rdbslloader -mi -i
TPCC.NEWORDER_18_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\307_315 %SL_LOA
D_D%\NewOrder\316_324
del /Q %SL_LOAD_D%\NewOrder\307_315
del /Q %SL_LOAD_D%\NewOrder\316_324
```

```
@rem ### Customer ###
@rem ### History ###
wtpcc1.c.dec_to_int.bin a 217 234
C %SL_LOAD_D%
rdbslloader -mi -i
TPCC.CUSTOMER_13_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\217_234
del /Q %SL_LOAD_D%\Customer\217_234
rdbslloader -mi -i TPCC.HISTORY_13_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\217_234
del /Q %SL_LOAD_D%\History\217_234
wtpcc1.c.dec_to_int.bin a 235 252
C %SL_LOAD_D%
rdbslloader -mi -i
TPCC.CUSTOMER_14_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\235_252
del /Q %SL_LOAD_D%\Customer\235_252
rdbslloader -mi -i TPCC.HISTORY_14_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\235_252
del /Q %SL_LOAD_D%\History\235_252
wtpcc1.c.dec_to_int.bin a 253 270
C %SL_LOAD_D%
rdbslloader -mi -i
TPCC.CUSTOMER_15_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\253_270
del /Q %SL_LOAD_D%\Customer\253_270
rdbslloader -mi -i TPCC.HISTORY_15_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\253_270
del /Q %SL_LOAD_D%\History\253_270
wtpcc1.c.dec_to_int.bin a 271 288
C %SL_LOAD_D%
rdbslloader -mi -i
TPCC.CUSTOMER_16_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\271_288
del /Q %SL_LOAD_D%\Customer\271_288
rdbslloader -mi -i TPCC.HISTORY_16_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\271_288
del /Q %SL_LOAD_D%\History\271_288
wtpcc1.c.dec_to_int.bin a 289 306
C %SL_LOAD_D%
rdbslloader -mi -i
TPCC.CUSTOMER_17_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\289_306
del /Q %SL_LOAD_D%\Customer\289_306
rdbslloader -mi -i TPCC.HISTORY_17_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\289_306
del /Q %SL_LOAD_D%\History\289_306
wtpcc1.c.dec_to_int.bin a 307 324
C %SL_LOAD_D%
```

```
rdbslloader -mi -i
TPCC.CUSTOMER_18_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\307_324
del /Q %SL_LOAD_D%\Customer\307_324
rdbslloader -mi -i TPCC.HISTORY_18_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\307_324
del /Q %SL_LOAD_D%\History\307_324
```

**File: sload\_x 4.bat**

```
set SL_LOAD_D=i:\rdb\loaddata
set WK1_D=i:\rdb\sortwk1
set WK2_D=i:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item*_*
@rem del /Q x:\rdb\loaddata\Warehouse*_*
@rem del /Q x:\rdb\loaddata\District*_*
@rem del /Q x:\rdb\loaddata\Stock*_*
@rem del /Q x:\rdb\loaddata\Orders*_*
@rem del /Q x:\rdb\loaddata\NewOrder*_*
@rem del /Q x:\rdb\loaddata\OrderLine*_*
@rem del /Q x:\rdb\loaddata\Customer*_*
@rem del /Q x:\rdb\loaddata\History*_*

@rem del /Q x:\rdb\sortwk?\SRT*

@rem ### Stock ###
wtpcc1.c.dec_to_int.bin a 325 360
S %SL_LOAD_D%
rdbslloader -mi -i TPCC.STOCK_10_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\325_360
del /Q %SL_LOAD_D%\Stock\325_360
wtpcc1.c.dec_to_int.bin a 361 396
S %SL_LOAD_D%
rdbslloader -mi -i TPCC.STOCK_11_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\361_396
del /Q %SL_LOAD_D%\Stock\361_396
wtpcc1.c.dec_to_int.bin a 397 432
S %SL_LOAD_D%
rdbslloader -mi -i TPCC.STOCK_12_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\397_432
del /Q %SL_LOAD_D%\Stock\397_432
```

```
@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpcc1.c.dec_to_int.bin a 325 333
O %SL_LOAD_D%
rdbslloader -mi -i TPCC.ORDERLIN_37_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\325_333
del /Q %SL_LOAD_D%\OrderLine\325_333
wtpcc1.c.dec_to_int.bin a 334 342
O %SL_LOAD_D%
rdbslloader -mi -i TPCC.ORDERLIN_38_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\334_342
del /Q %SL_LOAD_D%\OrderLine\334_342
```

```
rdbslloader -mi -i TPCC.ORDER_19_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\325_333 %
SL_LOAD_D%\Orders\334_342
del /Q %SL_LOAD_D%\Orders\325_333
del /Q %SL_LOAD_D%\Orders\334_342
rdbslloader -mi -i
TPCC.NEWORDER_19_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\325_333 %SL_LOA
D_D%\NewOrder\334_342
del /Q %SL_LOAD_D%\NewOrder\325_333
del /Q %SL_LOAD_D%\NewOrder\334_342
```

```
wtpcc1.c.dec_to_int.bin a 343 351
O %SL_LOAD_D%
rdbslloader -mi -i TPCC.ORDERLIN_39_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\343_351
del /Q %SL_LOAD_D%\OrderLine\343_351
wtpcc1.c.dec_to_int.bin a 352 360
O %SL_LOAD_D%
rdbslloader -mi -i TPCC.ORDERLIN_40_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\352_360
del /Q %SL_LOAD_D%\OrderLine\352_360

rdbslloader -mi -i TPCC.ORDER_20_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\343_351 %
SL_LOAD_D%\Orders\352_360
del /Q %SL_LOAD_D%\Orders\343_351
del /Q %SL_LOAD_D%\Orders\352_360
rdbslloader -mi -i
TPCC.NEWORDER_20_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\343_351 %SL_LOA
D_D%\NewOrder\352_360
del /Q %SL_LOAD_D%\NewOrder\343_351
del /Q %SL_LOAD_D%\NewOrder\352_360
```

```
wtpcc1.c.dec_to_int.bin a 361 369
O %SL_LOAD_D%
rdbslloader -mi -i TPCC.ORDERLIN_41_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\361_369
del /Q %SL_LOAD_D%\OrderLine\361_369
wtpcc1.c.dec_to_int.bin a 370 378
O %SL_LOAD_D%
rdbslloader -mi -i TPCC.ORDERLIN_42_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\370_378
del /Q %SL_LOAD_D%\OrderLine\370_378
```

```
rdbslloader -mi -i TPCC.ORDER_21_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\361_369 %
SL_LOAD_D%\Orders\370_378
del /Q %SL_LOAD_D%\Orders\361_369
del /Q %SL_LOAD_D%\Orders\370_378
rdbslloader -mi -i
TPCC.NEWORDER_21_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\361_369 %SL_LOA
D_D%\NewOrder\370_378
del /Q %SL_LOAD_D%\NewOrder\361_369
del /Q %SL_LOAD_D%\NewOrder\370_378
```

```

wttpccd1.c.dec_to_int.bin a 379 387
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_43_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\379_387
del /Q %SL_LOAD_D%\OrderLine\379_387
wttpccd1.c.dec_to_int.bin a 388 396
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_44_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\388_396
del /Q %SL_LOAD_D%\OrderLine\388_396

  rdbloader -mi -i TPCC.ORDER_22_DSI
  -h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\379_387 %
SL_LOAD_D%\Orders\388_396
del /Q %SL_LOAD_D%\Orders\379_387
del /Q %SL_LOAD_D%\Orders\388_396
  rdbloader -mi -i
TPCC.NEWORDER_22_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\379_387 %SL_LOA
D_D%\NewOrder\388_396
del /Q %SL_LOAD_D%\NewOrder\379_387
del /Q %SL_LOAD_D%\NewOrder\388_396

wttpccd1.c.dec_to_int.bin a 397 405
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_45_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\397_405
del /Q %SL_LOAD_D%\OrderLine\397_405
wttpccd1.c.dec_to_int.bin a 406 414
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_46_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\406_414
del /Q %SL_LOAD_D%\OrderLine\406_414

  rdbloader -mi -i TPCC.ORDER_23_DSI
  -h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\397_405 %
SL_LOAD_D%\Orders\406_414
del /Q %SL_LOAD_D%\Orders\397_405
del /Q %SL_LOAD_D%\Orders\406_414
  rdbloader -mi -i
TPCC.NEWORDER_23_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\397_405 %SL_LOA
D_D%\NewOrder\406_414
del /Q %SL_LOAD_D%\NewOrder\397_405
del /Q %SL_LOAD_D%\NewOrder\406_414

wttpccd1.c.dec_to_int.bin a 415 423
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_47_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\415_423
del /Q %SL_LOAD_D%\OrderLine\415_423
wttpccd1.c.dec_to_int.bin a 424 432
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_48_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\424_432
del /Q %SL_LOAD_D%\OrderLine\424_432

```

```

rdbloader -mi -i TPCC.ORDER_24_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\415_423 %
SL_LOAD_D%\Orders\424_432
del /Q %SL_LOAD_D%\Orders\415_423
del /Q %SL_LOAD_D%\Orders\424_432
  rdbloader -mi -i
TPCC.NEWORDER_24_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\415_423 %SL_LOA
D_D%\NewOrder\424_432
del /Q %SL_LOAD_D%\NewOrder\415_423
del /Q %SL_LOAD_D%\NewOrder\424_432

@rem ### Customer ###
@rem ### History ###
wttpccd1.c.dec_to_int.bin a 325 342
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_19_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\325_342
del /Q %SL_LOAD_D%\Customer\325_342
  rdbloader -mi -i TPCC.HISTORY_19_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\325_342
del /Q %SL_LOAD_D%\History\325_342
wttpccd1.c.dec_to_int.bin a 343 360
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_20_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\343_360
del /Q %SL_LOAD_D%\Customer\343_360
  rdbloader -mi -i TPCC.HISTORY_20_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\343_360
del /Q %SL_LOAD_D%\History\343_360
wttpccd1.c.dec_to_int.bin a 361 378
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_21_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\361_378
del /Q %SL_LOAD_D%\Customer\361_378
  rdbloader -mi -i TPCC.HISTORY_21_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\361_378
del /Q %SL_LOAD_D%\History\361_378
wttpccd1.c.dec_to_int.bin a 379 396
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_22_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\379_396
del /Q %SL_LOAD_D%\Customer\379_396
  rdbloader -mi -i TPCC.HISTORY_22_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\379_396
del /Q %SL_LOAD_D%\History\379_396
wttpccd1.c.dec_to_int.bin a 397 414
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_23_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\397_414
del /Q %SL_LOAD_D%\Customer\397_414
  rdbloader -mi -i TPCC.HISTORY_23_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\397_414
del /Q %SL_LOAD_D%\History\397_414

```

```

wttpccd1.c.dec_to_int.bin a 415 432
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_24_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\415_432
del /Q %SL_LOAD_D%\Customer\415_432
  rdbloader -mi -i TPCC.HISTORY_24_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\415_432
del /Q %SL_LOAD_D%\History\415_432

```

**File: sload x 5.bat**

```

set SL_LOAD_D=r:\rdb\loaddata
set WK1_D=r:\rdb\sortwk1
set WK2_D=r:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

@rem del /Q x:\rdb\sortwk?\SRT*

@rem ### Stock ###
wttpccd1.c.dec_to_int.bin a 433 468
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_13_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\433_468
del /Q %SL_LOAD_D%\Stock\433_468
wttpccd1.c.dec_to_int.bin a 469 504
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_14_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\469_504
del /Q %SL_LOAD_D%\Stock\469_504
wttpccd1.c.dec_to_int.bin a 505 540
S %SL_LOAD_D%
  rdbloader -mi -i TPCC.STOCK_15_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\505_540
del /Q %SL_LOAD_D%\Stock\505_540

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wttpccd1.c.dec_to_int.bin a 433 441
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_49_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\433_441
del /Q %SL_LOAD_D%\OrderLine\433_441
wttpccd1.c.dec_to_int.bin a 442 450
O %SL_LOAD_D%
  rdbloader -mi -i TPCC.ORDERLIN_50_DSI
  -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\442_450

```

```

del /Q %SL_LOAD_D%\OrderLine\442_450

rdbloader -mi -i TPCC.ORDERS_25_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\433_441 %
SL_LOAD_D%\Orders\442_450
del /Q %SL_LOAD_D%\Orders\433_441
del /Q %SL_LOAD_D%\Orders\442_450
rdbloader -mi -i
TPCC.NEWORDER_25_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\433_441 %SL_LOA
D_D%\NewOrder\442_450
del /Q %SL_LOAD_D%\NewOrder\433_441
del /Q %SL_LOAD_D%\NewOrder\442_450

wtpccd1.c.dec_to_int.bin a 451 459
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_51_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\451_459
del /Q %SL_LOAD_D%\OrderLine\451_459
wtpccd1.c.dec_to_int.bin a 460 468
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_52_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\460_468
del /Q %SL_LOAD_D%\OrderLine\460_468

rdbloader -mi -i TPCC.ORDERS_26_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\451_459 %
SL_LOAD_D%\Orders\460_468
del /Q %SL_LOAD_D%\Orders\451_459
del /Q %SL_LOAD_D%\Orders\460_468
rdbloader -mi -i
TPCC.NEWORDER_26_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\451_459 %SL_LOA
D_D%\NewOrder\460_468
del /Q %SL_LOAD_D%\NewOrder\451_459
del /Q %SL_LOAD_D%\NewOrder\460_468

wtpccd1.c.dec_to_int.bin a 469 477
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_53_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\469_477
del /Q %SL_LOAD_D%\OrderLine\469_477
wtpccd1.c.dec_to_int.bin a 478 486
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_54_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\478_486
del /Q %SL_LOAD_D%\OrderLine\478_486

rdbloader -mi -i TPCC.ORDERS_27_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\469_477 %
SL_LOAD_D%\Orders\478_486
del /Q %SL_LOAD_D%\Orders\469_477
del /Q %SL_LOAD_D%\Orders\478_486
rdbloader -mi -i
TPCC.NEWORDER_27_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\469_477 %SL_LOA
D_D%\NewOrder\478_486
del /Q %SL_LOAD_D%\NewOrder\469_477

```

```

del /Q %SL_LOAD_D%\NewOrder\478_486

wtpccd1.c.dec_to_int.bin a 487 495
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_55_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\487_495
del /Q %SL_LOAD_D%\OrderLine\487_495
wtpccd1.c.dec_to_int.bin a 496 504
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_56_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\496_504
del /Q %SL_LOAD_D%\OrderLine\496_504

rdbloader -mi -i TPCC.ORDERS_28_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\487_495 %
SL_LOAD_D%\Orders\496_504
del /Q %SL_LOAD_D%\Orders\487_495
del /Q %SL_LOAD_D%\Orders\496_504
rdbloader -mi -i
TPCC.NEWORDER_28_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\487_495 %SL_LOA
D_D%\NewOrder\496_504
del /Q %SL_LOAD_D%\NewOrder\487_495
del /Q %SL_LOAD_D%\NewOrder\496_504

wtpccd1.c.dec_to_int.bin a 505 513
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_57_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\505_513
del /Q %SL_LOAD_D%\OrderLine\505_513
wtpccd1.c.dec_to_int.bin a 514 522
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_58_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\514_522
del /Q %SL_LOAD_D%\OrderLine\514_522

rdbloader -mi -i TPCC.ORDERS_29_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\505_513 %
SL_LOAD_D%\Orders\514_522
del /Q %SL_LOAD_D%\Orders\505_513
del /Q %SL_LOAD_D%\Orders\514_522
rdbloader -mi -i
TPCC.NEWORDER_29_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\505_513 %SL_LOA
D_D%\NewOrder\514_522
del /Q %SL_LOAD_D%\NewOrder\505_513
del /Q %SL_LOAD_D%\NewOrder\514_522

wtpccd1.c.dec_to_int.bin a 523 531
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_59_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\523_531
del /Q %SL_LOAD_D%\OrderLine\523_531
wtpccd1.c.dec_to_int.bin a 532 540
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_60_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\532_540
del /Q %SL_LOAD_D%\OrderLine\532_540

```

```

rdbloader -mi -i TPCC.ORDERS_30_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\523_531 %
SL_LOAD_D%\Orders\532_540
del /Q %SL_LOAD_D%\Orders\523_531
del /Q %SL_LOAD_D%\Orders\532_540
rdbloader -mi -i
TPCC.NEWORDER_30_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\523_531 %SL_LOA
D_D%\NewOrder\532_540
del /Q %SL_LOAD_D%\NewOrder\523_531
del /Q %SL_LOAD_D%\NewOrder\532_540

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 433 450
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_25_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\433_450
del /Q %SL_LOAD_D%\Customer\433_450
rdbloader -mi -i TPCC.HISTORY_25_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\433_450
del /Q %SL_LOAD_D%\History\433_450
wtpccd1.c.dec_to_int.bin a 451 468
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_26_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\451_468
del /Q %SL_LOAD_D%\Customer\451_468
rdbloader -mi -i TPCC.HISTORY_26_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\451_468
del /Q %SL_LOAD_D%\History\451_468
wtpccd1.c.dec_to_int.bin a 469 486
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_27_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\469_486
del /Q %SL_LOAD_D%\Customer\469_486
rdbloader -mi -i TPCC.HISTORY_27_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\469_486
del /Q %SL_LOAD_D%\History\469_486
wtpccd1.c.dec_to_int.bin a 487 504
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_28_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\487_504
del /Q %SL_LOAD_D%\Customer\487_504
rdbloader -mi -i TPCC.HISTORY_28_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\487_504
del /Q %SL_LOAD_D%\History\487_504
wtpccd1.c.dec_to_int.bin a 505 522
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_29_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\505_522
del /Q %SL_LOAD_D%\Customer\505_522
rdbloader -mi -i TPCC.HISTORY_29_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\505_522

```



```

del /Q %SL_LOAD_D%\History\505_522
wtpccd1.c.dec_to_int.bin a 523 540
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_30_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\523_540
del /Q %SL_LOAD_D%\Customer\523_540
rdbloader -mi -i TPCC.HISTORY_30_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\523_540
del /Q %SL_LOAD_D%\History\523_540

```

**File: sload\_x\_6.bat**

```

set SL_LOAD_D=r:\rdb\loaddata
set WK1_D=r:\rdb\sortwk1
set WK2_D=r:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

```

```
@rem del /Q x:\rdb\sortwk\?SRT*
```

```

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 541 576
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_16_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\541_576
del /Q %SL_LOAD_D%\Stock\541_576
wtpccd1.c.dec_to_int.bin a 577 612
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_17_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\577_612
del /Q %SL_LOAD_D%\Stock\577_612
wtpccd1.c.dec_to_int.bin a 613 648
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_18_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\613_648
del /Q %SL_LOAD_D%\Stock\613_648

```

```

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpccd1.c.dec_to_int.bin a 541 549
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_61_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\541_549
del /Q %SL_LOAD_D%\OrderLine\541_549
wtpccd1.c.dec_to_int.bin a 550 558
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_62_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\550_558
del /Q %SL_LOAD_D%\OrderLine\550_558

```

```

rdbloader -mi -i TPCC.ORDERS_31_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\541_549 %
SL_LOAD_D%\Orders\550_558
del /Q %SL_LOAD_D%\Orders\541_549
del /Q %SL_LOAD_D%\Orders\550_558
rdbloader -mi -i
TPCC.NEWORDER_31_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\541_549 %SL_LOA
D_D%\NewOrder\550_558
del /Q %SL_LOAD_D%\NewOrder\541_549
del /Q %SL_LOAD_D%\NewOrder\550_558

```

```

wtpccd1.c.dec_to_int.bin a 559 567
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_63_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\559_567
del /Q %SL_LOAD_D%\OrderLine\559_567
wtpccd1.c.dec_to_int.bin a 568 576
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_64_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\568_576
del /Q %SL_LOAD_D%\OrderLine\568_576

```

```

rdbloader -mi -i TPCC.ORDERS_32_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\559_567 %
SL_LOAD_D%\Orders\568_576
del /Q %SL_LOAD_D%\Orders\559_567
del /Q %SL_LOAD_D%\Orders\568_576
rdbloader -mi -i
TPCC.NEWORDER_32_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\559_567 %SL_LOA
D_D%\NewOrder\568_576
del /Q %SL_LOAD_D%\NewOrder\559_567
del /Q %SL_LOAD_D%\NewOrder\568_576

```

```

wtpccd1.c.dec_to_int.bin a 577 585
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_65_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\577_585
del /Q %SL_LOAD_D%\OrderLine\577_585
wtpccd1.c.dec_to_int.bin a 586 594
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_66_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\586_594
del /Q %SL_LOAD_D%\OrderLine\586_594

```

```

rdbloader -mi -i TPCC.ORDERS_33_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\577_585 %
SL_LOAD_D%\Orders\586_594
del /Q %SL_LOAD_D%\Orders\577_585
del /Q %SL_LOAD_D%\Orders\586_594
rdbloader -mi -i
TPCC.NEWORDER_33_DSI -h -f 20 -
s %WK1_D% -

```

```

n %SL_LOAD_D%\NewOrder\577_585 %SL_LOA
D_D%\NewOrder\586_594
del /Q %SL_LOAD_D%\NewOrder\577_585
del /Q %SL_LOAD_D%\NewOrder\586_594

```

```

wtpccd1.c.dec_to_int.bin a 595 603
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_67_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\595_603
del /Q %SL_LOAD_D%\OrderLine\595_603
wtpccd1.c.dec_to_int.bin a 604 612
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_68_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\604_612
del /Q %SL_LOAD_D%\OrderLine\604_612

```

```

rdbloader -mi -i TPCC.ORDERS_34_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\595_603 %
SL_LOAD_D%\Orders\604_612
del /Q %SL_LOAD_D%\Orders\595_603
del /Q %SL_LOAD_D%\Orders\604_612
rdbloader -mi -i
TPCC.NEWORDER_34_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\595_603 %SL_LOA
D_D%\NewOrder\604_612
del /Q %SL_LOAD_D%\NewOrder\595_603
del /Q %SL_LOAD_D%\NewOrder\604_612

```

```

wtpccd1.c.dec_to_int.bin a 613 621
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_69_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\613_621
del /Q %SL_LOAD_D%\OrderLine\613_621
wtpccd1.c.dec_to_int.bin a 622 630
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_70_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\622_630
del /Q %SL_LOAD_D%\OrderLine\622_630

```

```

rdbloader -mi -i TPCC.ORDERS_35_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\613_621 %
SL_LOAD_D%\Orders\622_630
del /Q %SL_LOAD_D%\Orders\613_621
del /Q %SL_LOAD_D%\Orders\622_630
rdbloader -mi -i
TPCC.NEWORDER_35_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\613_621 %SL_LOA
D_D%\NewOrder\622_630
del /Q %SL_LOAD_D%\NewOrder\613_621
del /Q %SL_LOAD_D%\NewOrder\622_630

```

```

wtpccd1.c.dec_to_int.bin a 631 639
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_71_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\631_639
del /Q %SL_LOAD_D%\OrderLine\631_639
wtpccd1.c.dec_to_int.bin a 640 648
O %SL_LOAD_D%

```

```

rdbloader -mi -i TPCC.ORDERLIN_72_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\640_648
del /Q %SL_LOAD_D%\OrderLine\640_648

rdbloader -mi -i TPCC.ORDERS_36_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\631_639 %
SL_LOAD_D%\Orders\640_648
del /Q %SL_LOAD_D%\Orders\631_639
del /Q %SL_LOAD_D%\Orders\640_648
rdbloader -mi -i
TPCC.NEWORDER_36_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\631_639 %SL_LOA
D_D%\NewOrder\640_648
del /Q %SL_LOAD_D%\NewOrder\631_639
del /Q %SL_LOAD_D%\NewOrder\640_648

@rem ### Customer ###
@rem ### History ###
wtpcc1.c.dec_to_int.bin a 541 558
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_31_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\541_558
del /Q %SL_LOAD_D%\Customer\541_558
rdbloader -mi -i TPCC.HISTORY_31_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\541_558
del /Q %SL_LOAD_D%\History\541_558
wtpcc1.c.dec_to_int.bin a 559 576
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_32_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\559_576
del /Q %SL_LOAD_D%\Customer\559_576
rdbloader -mi -i TPCC.HISTORY_32_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\559_576
del /Q %SL_LOAD_D%\History\559_576
wtpcc1.c.dec_to_int.bin a 577 594
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_33_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\577_594
del /Q %SL_LOAD_D%\Customer\577_594
rdbloader -mi -i TPCC.HISTORY_33_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\577_594
del /Q %SL_LOAD_D%\History\577_594
wtpcc1.c.dec_to_int.bin a 595 612
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_34_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\595_612
del /Q %SL_LOAD_D%\Customer\595_612
rdbloader -mi -i TPCC.HISTORY_34_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\595_612
del /Q %SL_LOAD_D%\History\595_612
wtpcc1.c.dec_to_int.bin a 613 630
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_35_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\613_630

```

```

del /Q %SL_LOAD_D%\Customer\613_630
rdbloader -mi -i TPCC.HISTORY_35_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\613_630
del /Q %SL_LOAD_D%\History\613_630
wtpcc1.c.dec_to_int.bin a 631 648
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_36_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\631_648
del /Q %SL_LOAD_D%\Customer\631_648
rdbloader -mi -i TPCC.HISTORY_36_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\631_648
del /Q %SL_LOAD_D%\History\631_648

```

**File: sload x 7.bat**

```

set SL_LOAD_D=k:\rdb\loaddata
set WK1_D=k:\rdb\sortwk1
set WK2_D=k:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_
@rem del /Q x:\rdb\loaddata\Warehouse\*_
@rem del /Q x:\rdb\loaddata\District\*_
@rem del /Q x:\rdb\loaddata\Stock\*_
@rem del /Q x:\rdb\loaddata\Orders\*_
@rem del /Q x:\rdb\loaddata\NewOrder\*_
@rem del /Q x:\rdb\loaddata\OrderLine\*_
@rem del /Q x:\rdb\loaddata\Customer\*_
@rem del /Q x:\rdb\loaddata\History\*_

@rem del /Q x:\rdb\sortwk?\SRT*

@rem ### Stock ###
wtpcc1.c.dec_to_int.bin a 649 684
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_19_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\649_684
del /Q %SL_LOAD_D%\Stock\649_684
wtpcc1.c.dec_to_int.bin a 685 720
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_20_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\685_720
del /Q %SL_LOAD_D%\Stock\685_720
wtpcc1.c.dec_to_int.bin a 721 756
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_21_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\721_756
del /Q %SL_LOAD_D%\Stock\721_756

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpcc1.c.dec_to_int.bin a 649 657
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_73_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\649_657
del /Q %SL_LOAD_D%\OrderLine\649_657

```

```

wtpcc1.c.dec_to_int.bin a 658 666
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_74_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\658_666
del /Q %SL_LOAD_D%\OrderLine\658_666

rdbloader -mi -i TPCC.ORDERS_37_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\649_657 %
SL_LOAD_D%\Orders\658_666
del /Q %SL_LOAD_D%\Orders\649_657
del /Q %SL_LOAD_D%\Orders\658_666
rdbloader -mi -i
TPCC.NEWORDER_37_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\649_657 %SL_LOA
D_D%\NewOrder\658_666
del /Q %SL_LOAD_D%\NewOrder\649_657
del /Q %SL_LOAD_D%\NewOrder\658_666

wtpcc1.c.dec_to_int.bin a 667 675
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_75_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\667_675
del /Q %SL_LOAD_D%\OrderLine\667_675
wtpcc1.c.dec_to_int.bin a 676 684
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_76_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\676_684
del /Q %SL_LOAD_D%\OrderLine\676_684

rdbloader -mi -i TPCC.ORDERS_38_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\667_675 %
SL_LOAD_D%\Orders\676_684
del /Q %SL_LOAD_D%\Orders\667_675
del /Q %SL_LOAD_D%\Orders\676_684
rdbloader -mi -i
TPCC.NEWORDER_38_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\667_675 %SL_LOA
D_D%\NewOrder\676_684
del /Q %SL_LOAD_D%\NewOrder\667_675
del /Q %SL_LOAD_D%\NewOrder\676_684

wtpcc1.c.dec_to_int.bin a 685 693
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_77_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\685_693
del /Q %SL_LOAD_D%\OrderLine\685_693
wtpcc1.c.dec_to_int.bin a 694 702
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_78_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\694_702
del /Q %SL_LOAD_D%\OrderLine\694_702

rdbloader -mi -i TPCC.ORDERS_39_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\685_693 %
SL_LOAD_D%\Orders\694_702
del /Q %SL_LOAD_D%\Orders\685_693
del /Q %SL_LOAD_D%\Orders\694_702

```

```

rdbmsloader -mi -i
TPCC.NEWORDER_39_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\685_693 %SL_LOAD_D%\NewOrder\694_702
del /Q %SL_LOAD_D%\NewOrder\685_693
del /Q %SL_LOAD_D%\NewOrder\694_702

wtpcc1.c.dec_to_int.bin a 703 711
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_79_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\703_711
del /Q %SL_LOAD_D%\OrderLine\703_711
wtpcc1.c.dec_to_int.bin a 712 720
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_80_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\712_720
del /Q %SL_LOAD_D%\OrderLine\712_720

rdbmsloader -mi -i TPCC.ORDER_40_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\703_711 %SL_LOAD_D%\Orders\712_720
del /Q %SL_LOAD_D%\Orders\703_711
del /Q %SL_LOAD_D%\Orders\712_720
rdbmsloader -mi -i
TPCC.NEWORDER_40_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\703_711 %SL_LOAD_D%\NewOrder\712_720
del /Q %SL_LOAD_D%\NewOrder\703_711
del /Q %SL_LOAD_D%\NewOrder\712_720

wtpcc1.c.dec_to_int.bin a 721 729
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_81_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\721_729
del /Q %SL_LOAD_D%\OrderLine\721_729
wtpcc1.c.dec_to_int.bin a 730 738
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_82_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\730_738
del /Q %SL_LOAD_D%\OrderLine\730_738

rdbmsloader -mi -i TPCC.ORDER_41_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\721_729 %SL_LOAD_D%\Orders\730_738
del /Q %SL_LOAD_D%\Orders\721_729
del /Q %SL_LOAD_D%\Orders\730_738
rdbmsloader -mi -i
TPCC.NEWORDER_41_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\721_729 %SL_LOAD_D%\NewOrder\730_738
del /Q %SL_LOAD_D%\NewOrder\721_729
del /Q %SL_LOAD_D%\NewOrder\730_738

wtpcc1.c.dec_to_int.bin a 739 747
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_83_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\739_747
del /Q %SL_LOAD_D%\OrderLine\739_747

```

```

wtpcc1.c.dec_to_int.bin a 748 756
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_84_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\748_756
del /Q %SL_LOAD_D%\OrderLine\748_756

rdbmsloader -mi -i TPCC.ORDER_42_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\739_747 %SL_LOAD_D%\Orders\748_756
del /Q %SL_LOAD_D%\Orders\739_747
del /Q %SL_LOAD_D%\Orders\748_756
rdbmsloader -mi -i
TPCC.NEWORDER_42_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\739_747 %SL_LOAD_D%\NewOrder\748_756
del /Q %SL_LOAD_D%\NewOrder\739_747
del /Q %SL_LOAD_D%\NewOrder\748_756

@rem ### Customer ###
@rem ### History ###
wtpcc1.c.dec_to_int.bin a 649 666
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_37_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\649_666
del /Q %SL_LOAD_D%\Customer\649_666
rdbmsloader -mi -i TPCC.HISTORY_37_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\649_666
del /Q %SL_LOAD_D%\History\649_666
wtpcc1.c.dec_to_int.bin a 667 684
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_38_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\667_684
del /Q %SL_LOAD_D%\Customer\667_684
rdbmsloader -mi -i TPCC.HISTORY_38_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\667_684
del /Q %SL_LOAD_D%\History\667_684
wtpcc1.c.dec_to_int.bin a 685 702
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_39_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\685_702
del /Q %SL_LOAD_D%\Customer\685_702
rdbmsloader -mi -i TPCC.HISTORY_39_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\685_702
del /Q %SL_LOAD_D%\History\685_702
wtpcc1.c.dec_to_int.bin a 703 720
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_40_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\703_720
del /Q %SL_LOAD_D%\Customer\703_720
rdbmsloader -mi -i TPCC.HISTORY_40_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\703_720
del /Q %SL_LOAD_D%\History\703_720
wtpcc1.c.dec_to_int.bin a 721 738
C %SL_LOAD_D%

```

```

rdbmsloader -mi -i
TPCC.CUSTOMER_41_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\721_738
del /Q %SL_LOAD_D%\Customer\721_738
rdbmsloader -mi -i TPCC.HISTORY_41_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\721_738
del /Q %SL_LOAD_D%\History\721_738
wtpcc1.c.dec_to_int.bin a 739 756
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_42_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\739_756
del /Q %SL_LOAD_D%\Customer\739_756
rdbmsloader -mi -i TPCC.HISTORY_42_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\739_756
del /Q %SL_LOAD_D%\History\739_756

```

#### File: sload\_x\_8.bat

```

set SL_LOAD_D=k:\rdb\loaddata
set WK1_D=k:\rdb\sortwk1
set WK2_D=k:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item*_*
@rem del /Q x:\rdb\loaddata\Warehouse*_*
@rem del /Q x:\rdb\loaddata\District*_*
@rem del /Q x:\rdb\loaddata\Stock*_*
@rem del /Q x:\rdb\loaddata\Orders*_*
@rem del /Q x:\rdb\loaddata\NewOrder*_*
@rem del /Q x:\rdb\loaddata\OrderLine*_*
@rem del /Q x:\rdb\loaddata\Customer*_*
@rem del /Q x:\rdb\loaddata\History*_*

@rem del /Q x:\rdb\sortwk?\ISRT*

@rem ### Stock ###
wtpcc1.c.dec_to_int.bin a 757 792
S %SL_LOAD_D%
rdbmsloader -mi -i TPCC.STOCK_22_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\757_792
del /Q %SL_LOAD_D%\Stock\757_792
wtpcc1.c.dec_to_int.bin a 793 828
S %SL_LOAD_D%
rdbmsloader -mi -i TPCC.STOCK_23_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\793_828
del /Q %SL_LOAD_D%\Stock\793_828
wtpcc1.c.dec_to_int.bin a 829 864
S %SL_LOAD_D%
rdbmsloader -mi -i TPCC.STOCK_24_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\829_864
del /Q %SL_LOAD_D%\Stock\829_864

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###
wtpcc1.c.dec_to_int.bin a 757 765
O %SL_LOAD_D%

```

```

rdbmsloader -mi -i TPCC.ORDERLIN_85_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\757_765
del /Q %SL_LOAD_D%\OrderLine\757_765
wtpccd1.c.dec_to_int.bin a 766 774
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_86_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\766_774
del /Q %SL_LOAD_D%\OrderLine\766_774

rdbmsloader -mi -i TPCC.ORDERLIN_43_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\757_765 %
SL_LOAD_D%\Orders\766_774
del /Q %SL_LOAD_D%\Orders\757_765
del /Q %SL_LOAD_D%\Orders\766_774
rdbmsloader -mi -i
TPCC.NEWORDER_43_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\757_765 %SL_LOA
D_D%\NewOrder\766_774
del /Q %SL_LOAD_D%\NewOrder\757_765
del /Q %SL_LOAD_D%\NewOrder\766_774

wtpccd1.c.dec_to_int.bin a 775 783
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_87_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\775_783
del /Q %SL_LOAD_D%\OrderLine\775_783
wtpccd1.c.dec_to_int.bin a 784 792
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_88_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\784_792
del /Q %SL_LOAD_D%\OrderLine\784_792

rdbmsloader -mi -i TPCC.ORDERLIN_44_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\775_783 %
SL_LOAD_D%\Orders\784_792
del /Q %SL_LOAD_D%\Orders\775_783
del /Q %SL_LOAD_D%\Orders\784_792
rdbmsloader -mi -i
TPCC.NEWORDER_44_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\775_783 %SL_LOA
D_D%\NewOrder\784_792
del /Q %SL_LOAD_D%\NewOrder\775_783
del /Q %SL_LOAD_D%\NewOrder\784_792

wtpccd1.c.dec_to_int.bin a 793 801
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_89_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\793_801
del /Q %SL_LOAD_D%\OrderLine\793_801
wtpccd1.c.dec_to_int.bin a 802 810
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_90_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\802_810
del /Q %SL_LOAD_D%\OrderLine\802_810

rdbmsloader -mi -i TPCC.ORDERLIN_45_DSI
-h -f 10 -

```

```

s %WK1_D% %SL_LOAD_D%\Orders\793_801 %
SL_LOAD_D%\Orders\802_810
del /Q %SL_LOAD_D%\Orders\793_801
del /Q %SL_LOAD_D%\Orders\802_810
rdbmsloader -mi -i
TPCC.NEWORDER_45_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\793_801 %SL_LOA
D_D%\NewOrder\802_810
del /Q %SL_LOAD_D%\NewOrder\793_801
del /Q %SL_LOAD_D%\NewOrder\802_810

wtpccd1.c.dec_to_int.bin a 811 819
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_91_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\811_819
del /Q %SL_LOAD_D%\OrderLine\811_819
wtpccd1.c.dec_to_int.bin a 820 828
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_92_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\820_828
del /Q %SL_LOAD_D%\OrderLine\820_828

rdbmsloader -mi -i TPCC.ORDERLIN_46_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\811_819 %
SL_LOAD_D%\Orders\820_828
del /Q %SL_LOAD_D%\Orders\811_819
del /Q %SL_LOAD_D%\Orders\820_828
rdbmsloader -mi -i
TPCC.NEWORDER_46_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\811_819 %SL_LOA
D_D%\NewOrder\820_828
del /Q %SL_LOAD_D%\NewOrder\811_819
del /Q %SL_LOAD_D%\NewOrder\820_828

wtpccd1.c.dec_to_int.bin a 829 837
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_93_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\829_837
del /Q %SL_LOAD_D%\OrderLine\829_837
wtpccd1.c.dec_to_int.bin a 838 846
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_94_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\838_846
del /Q %SL_LOAD_D%\OrderLine\838_846

rdbmsloader -mi -i TPCC.ORDERLIN_47_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\829_837 %
SL_LOAD_D%\Orders\838_846
del /Q %SL_LOAD_D%\Orders\829_837
del /Q %SL_LOAD_D%\Orders\838_846
rdbmsloader -mi -i
TPCC.NEWORDER_47_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\829_837 %SL_LOA
D_D%\NewOrder\838_846
del /Q %SL_LOAD_D%\NewOrder\829_837
del /Q %SL_LOAD_D%\NewOrder\838_846

wtpccd1.c.dec_to_int.bin a 847 855
O %SL_LOAD_D%

```

```

rdbmsloader -mi -i TPCC.ORDERLIN_95_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\847_855
del /Q %SL_LOAD_D%\OrderLine\847_855
wtpccd1.c.dec_to_int.bin a 856 864
O %SL_LOAD_D%
rdbmsloader -mi -i TPCC.ORDERLIN_96_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\856_864
del /Q %SL_LOAD_D%\OrderLine\856_864

rdbmsloader -mi -i TPCC.ORDERLIN_48_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\847_855 %
SL_LOAD_D%\Orders\856_864
del /Q %SL_LOAD_D%\Orders\847_855
del /Q %SL_LOAD_D%\Orders\856_864
rdbmsloader -mi -i
TPCC.NEWORDER_48_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\847_855 %SL_LOA
D_D%\NewOrder\856_864
del /Q %SL_LOAD_D%\NewOrder\847_855
del /Q %SL_LOAD_D%\NewOrder\856_864

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 757 774
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_43_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\757_774
del /Q %SL_LOAD_D%\Customer\757_774
rdbmsloader -mi -i TPCC.HISTORY_43_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\757_774
del /Q %SL_LOAD_D%\History\757_774
wtpccd1.c.dec_to_int.bin a 775 792
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_44_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\775_792
del /Q %SL_LOAD_D%\Customer\775_792
rdbmsloader -mi -i TPCC.HISTORY_44_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\775_792
del /Q %SL_LOAD_D%\History\775_792
wtpccd1.c.dec_to_int.bin a 793 810
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_45_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\793_810
del /Q %SL_LOAD_D%\Customer\793_810
rdbmsloader -mi -i TPCC.HISTORY_45_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\793_810
del /Q %SL_LOAD_D%\History\793_810
wtpccd1.c.dec_to_int.bin a 811 828
C %SL_LOAD_D%
rdbmsloader -mi -i
TPCC.CUSTOMER_46_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\811_828
del /Q %SL_LOAD_D%\Customer\811_828
rdbmsloader -mi -i TPCC.HISTORY_46_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\811_828

```

```

del /Q %SL_LOAD_D%\History\811_828
wtpccd1.c.dec_to_int.bin a 829 846
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_47_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\829_846
del /Q %SL_LOAD_D%\Customer\829_846
rdbloader -mi -i TPCC.HISTORY_47_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\829_846
del /Q %SL_LOAD_D%\History\829_846
wtpccd1.c.dec_to_int.bin a 847 864
C %SL_LOAD_D%
rdbloader -mi -i
TPCC.CUSTOMER_48_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\847_864
del /Q %SL_LOAD_D%\Customer\847_864
rdbloader -mi -i TPCC.HISTORY_48_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\847_864
del /Q %SL_LOAD_D%\History\847_864

```

**File: sload\_x\_9.bat**

```

set SL_LOAD_D=:rdb\loaddata
set WK1_D=:rdb\sortwk1
set WK2_D=:rdb\sortwk2
set WK3_D=:rdb\sortwk3
set WK4_D=:rdb\sortwk4

```

```

@rem del /Q x:rdb\loaddata\Item*_*
@rem del /Q x:rdb\loaddata\Warehouse*_*
@rem del /Q x:rdb\loaddata\District*_*
@rem del /Q x:rdb\loaddata\Stock*_*
@rem del /Q x:rdb\loaddata\Orders*_*
@rem del /Q x:rdb\loaddata\NewOrder*_*
@rem del /Q x:rdb\loaddata\OrderLine*_*
@rem del /Q x:rdb\loaddata\Customer*_*
@rem del /Q x:rdb\loaddata\History*_*

```

```
@rem del /Q x:rdb\sortwk?\SRT*
```

```

@rem ### Stock ###
wtpccd1.c.dec_to_int.bin a 865 900
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_25_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\865_900
del /Q %SL_LOAD_D%\Stock\865_900
wtpccd1.c.dec_to_int.bin a 901 936
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_26_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\901_936
del /Q %SL_LOAD_D%\Stock\901_936
wtpccd1.c.dec_to_int.bin a 937 972
S %SL_LOAD_D%
rdbloader -mi -i TPCC.STOCK_27_DSI -
s %WK1_D% -s %WK2_D% -
n %SL_LOAD_D%\Stock\937_972
del /Q %SL_LOAD_D%\Stock\937_972

```

```

@rem ### Orders ###
@rem ### OrderLine ###
@rem ### NewOrder ###

```

```

wtpccd1.c.dec_to_int.bin a 865 873
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_97_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\865_873
del /Q %SL_LOAD_D%\OrderLine\865_873
wtpccd1.c.dec_to_int.bin a 874 882
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_98_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\874_882
del /Q %SL_LOAD_D%\OrderLine\874_882

rdbloader -mi -i TPCC.ORDERLIN_99_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Order\865_873 %
SL_LOAD_D%\Orders\874_882
del /Q %SL_LOAD_D%\Orders\865_873
del /Q %SL_LOAD_D%\Orders\874_882
rdbloader -mi -i
TPCC.NEWORDER_49_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\865_873 %SL_LOA
D_D%\NewOrder\874_882
del /Q %SL_LOAD_D%\NewOrder\865_873
del /Q %SL_LOAD_D%\NewOrder\874_882

```

```

wtpccd1.c.dec_to_int.bin a 883 891
O %SL_LOAD_D%
rdbloader -mi -i TPCC.ORDERLIN_99_DSI
-h -
s %WK1_D% %SL_LOAD_D%\OrderLine\883_891
del /Q %SL_LOAD_D%\OrderLine\883_891
wtpccd1.c.dec_to_int.bin a 892 900
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_100_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\892_900
del /Q %SL_LOAD_D%\OrderLine\892_900

```

```

rdbloader -mi -i TPCC.ORDERLIN_101_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Order\883_891 %
SL_LOAD_D%\Orders\892_900
del /Q %SL_LOAD_D%\Orders\883_891
del /Q %SL_LOAD_D%\Orders\892_900
rdbloader -mi -i
TPCC.NEWORDER_50_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\883_891 %SL_LOA
D_D%\NewOrder\892_900
del /Q %SL_LOAD_D%\NewOrder\883_891
del /Q %SL_LOAD_D%\NewOrder\892_900

```

```

wtpccd1.c.dec_to_int.bin a 901 909
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_101_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\901_909
del /Q %SL_LOAD_D%\OrderLine\901_909
wtpccd1.c.dec_to_int.bin a 910 918
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_102_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\910_918
del /Q %SL_LOAD_D%\OrderLine\910_918

```

```

rdbloader -mi -i TPCC.ORDERLIN_103_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Order\901_909 %
SL_LOAD_D%\Orders\910_918
del /Q %SL_LOAD_D%\Orders\901_909
del /Q %SL_LOAD_D%\Orders\910_918
rdbloader -mi -i
TPCC.NEWORDER_51_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\901_909 %SL_LOA
D_D%\NewOrder\910_918
del /Q %SL_LOAD_D%\NewOrder\901_909
del /Q %SL_LOAD_D%\NewOrder\910_918

```

```

wtpccd1.c.dec_to_int.bin a 919 927
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_103_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\919_927
del /Q %SL_LOAD_D%\OrderLine\919_927
wtpccd1.c.dec_to_int.bin a 928 936
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_104_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\928_936
del /Q %SL_LOAD_D%\OrderLine\928_936

```

```

rdbloader -mi -i TPCC.ORDERLIN_105_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Order\919_927 %
SL_LOAD_D%\Orders\928_936
del /Q %SL_LOAD_D%\Orders\919_927
del /Q %SL_LOAD_D%\Orders\928_936
rdbloader -mi -i
TPCC.NEWORDER_52_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\919_927 %SL_LOA
D_D%\NewOrder\928_936
del /Q %SL_LOAD_D%\NewOrder\919_927
del /Q %SL_LOAD_D%\NewOrder\928_936

```

```

wtpccd1.c.dec_to_int.bin a 937 945
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_105_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\937_945
del /Q %SL_LOAD_D%\OrderLine\937_945
wtpccd1.c.dec_to_int.bin a 946 954
O %SL_LOAD_D%
rdbloader -mi -i
TPCC.ORDERLIN_106_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\946_954
del /Q %SL_LOAD_D%\OrderLine\946_954

```

```

rdbloader -mi -i TPCC.ORDERLIN_106_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Order\937_945 %
SL_LOAD_D%\Orders\946_954
del /Q %SL_LOAD_D%\Orders\937_945
del /Q %SL_LOAD_D%\Orders\946_954
rdbloader -mi -i
TPCC.NEWORDER_53_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\937_945 %SL_LOA
D_D%\NewOrder\946_954
del /Q %SL_LOAD_D%\NewOrder\937_945
del /Q %SL_LOAD_D%\NewOrder\946_954

```

```

wtpccd1.c.dec_to_int.bin a 955 963
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_107_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\955_963
del /Q %SL_LOAD_D%\OrderLine\955_963
wtpccd1.c.dec_to_int.bin a 964 972
O %SL_LOAD_D%
  rdbloader -mi -i
TPCC.ORDERLIN_108_DSI -h -
s %WK1_D% %SL_LOAD_D%\OrderLine\964_972
del /Q %SL_LOAD_D%\OrderLine\964_972

  rdbloader -mi -i TPCC.ORDER_54_DSI
-h -f 10 -
s %WK1_D% %SL_LOAD_D%\Orders\955_963 %
SL_LOAD_D%\Orders\964_972
del /Q %SL_LOAD_D%\Orders\955_963
del /Q %SL_LOAD_D%\Orders\964_972
rdbloader -mi -i
TPCC.NEWORDER_54_DSI -h -f 20 -
s %WK1_D% -
n %SL_LOAD_D%\NewOrder\955_963 %SL_LOA
D_D%\NewOrder\964_972
del /Q %SL_LOAD_D%\NewOrder\955_963
del /Q %SL_LOAD_D%\NewOrder\964_972

```

```

@rem ### Customer ###
@rem ### History ###
wtpccd1.c.dec_to_int.bin a 865 882
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_49_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\865_882
del /Q %SL_LOAD_D%\Customer\865_882
rdbloader -mi -i TPCC.HISTORY_49_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\865_882
del /Q %SL_LOAD_D%\History\865_882
wtpccd1.c.dec_to_int.bin a 883 900
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_50_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\883_900
del /Q %SL_LOAD_D%\Customer\883_900
rdbloader -mi -i TPCC.HISTORY_50_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\883_900
del /Q %SL_LOAD_D%\History\883_900
wtpccd1.c.dec_to_int.bin a 901 918
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_51_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\901_918
del /Q %SL_LOAD_D%\Customer\901_918
rdbloader -mi -i TPCC.HISTORY_51_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\901_918
del /Q %SL_LOAD_D%\History\901_918
wtpccd1.c.dec_to_int.bin a 919 936
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_52_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\919_936
del /Q %SL_LOAD_D%\Customer\919_936

```

```

rdbloader -mi -i TPCC.HISTORY_52_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\919_936
del /Q %SL_LOAD_D%\History\919_936
wtpccd1.c.dec_to_int.bin a 937 954
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_53_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\937_954
del /Q %SL_LOAD_D%\Customer\937_954
rdbloader -mi -i TPCC.HISTORY_53_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\937_954
del /Q %SL_LOAD_D%\History\937_954
wtpccd1.c.dec_to_int.bin a 955 972
C %SL_LOAD_D%
  rdbloader -mi -i
TPCC.CUSTOMER_54_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Customer\955_972
del /Q %SL_LOAD_D%\Customer\955_972
rdbloader -mi -i TPCC.HISTORY_54_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\History\955_972
del /Q %SL_LOAD_D%\History\955_972

```

**File: sload\_x\_WDI.bat**

```

set SL_LOAD_D=x:\rdb\loaddata
set WK1_D=x:\rdb\sortwk1
set WK2_D=x:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

@rem del /Q x:\rdb\loaddata\Item\*_*
@rem del /Q x:\rdb\loaddata\Warehouse\*_*
@rem del /Q x:\rdb\loaddata\District\*_*
@rem del /Q x:\rdb\loaddata\Stock\*_*
@rem del /Q x:\rdb\loaddata\Orders\*_*
@rem del /Q x:\rdb\loaddata\NewOrder\*_*
@rem del /Q x:\rdb\loaddata\OrderLine\*_*
@rem del /Q x:\rdb\loaddata\Customer\*_*
@rem del /Q x:\rdb\loaddata\History\*_*

```

```
@rem del /Q x:\rdb\sortwk?\SRT*
```

```

@rem ### Warehouse ###
wtpccd1.c.dec_to_int.bin a 1 72
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_1_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1_72
del /Q %SL_LOAD_D%\Warehouse\1_72
wtpccd1.c.dec_to_int.bin a 73 144
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_2_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\73_144
del /Q %SL_LOAD_D%\Warehouse\73_144
wtpccd1.c.dec_to_int.bin a 145 216
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_3_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\145_216
del
/Q %SL_LOAD_D%\Warehouse\145_216

```

```

wtpccd1.c.dec_to_int.bin a 217 288
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_4_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\217_288
del
/Q %SL_LOAD_D%\Warehouse\217_288
wtpccd1.c.dec_to_int.bin a 289 360
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_5_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\289_360
del
/Q %SL_LOAD_D%\Warehouse\289_360
wtpccd1.c.dec_to_int.bin a 361 432
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_6_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\361_432
del
/Q %SL_LOAD_D%\Warehouse\361_432
wtpccd1.c.dec_to_int.bin a 433 504
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_7_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\433_504
del
/Q %SL_LOAD_D%\Warehouse\433_504
wtpccd1.c.dec_to_int.bin a 505 576
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_8_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\505_576
del
/Q %SL_LOAD_D%\Warehouse\505_576
wtpccd1.c.dec_to_int.bin a 577 648
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_9_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\577_648
del
/Q %SL_LOAD_D%\Warehouse\577_648
wtpccd1.c.dec_to_int.bin a 649 720
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_10_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\649_720
del
/Q %SL_LOAD_D%\Warehouse\649_720
wtpccd1.c.dec_to_int.bin a 721 792
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_11_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\721_792
del
/Q %SL_LOAD_D%\Warehouse\721_792
wtpccd1.c.dec_to_int.bin a 793 864
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_12_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\793_864
del
/Q %SL_LOAD_D%\Warehouse\793_864
wtpccd1.c.dec_to_int.bin a 865 936
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_13_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\865_936

```

```

del
/Q %SL_LOAD_D%\Warehouse\865_936
  wtpccd1.c.dec_to_int.bin a 937 1008
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_14_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\937_1008
del
/Q %SL_LOAD_D%\Warehouse\937_1008
  wtpccd1.c.dec_to_int.bin a 1009 1080
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_15_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1009_1080
del
/Q %SL_LOAD_D%\Warehouse\1009_1080
  wtpccd1.c.dec_to_int.bin a 1081 1152
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_16_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1081_1152
del
/Q %SL_LOAD_D%\Warehouse\1081_1152
  wtpccd1.c.dec_to_int.bin a 1153 1224
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_17_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1153_1224
del
/Q %SL_LOAD_D%\Warehouse\1153_1224
  wtpccd1.c.dec_to_int.bin a 1225 1296
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_18_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1225_1296
del
/Q %SL_LOAD_D%\Warehouse\1225_1296
  wtpccd1.c.dec_to_int.bin a 1297 1368
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_19_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1297_1368
del
/Q %SL_LOAD_D%\Warehouse\1297_1368
  wtpccd1.c.dec_to_int.bin a 1369 1440
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_20_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1369_1440
del
/Q %SL_LOAD_D%\Warehouse\1369_1440
  wtpccd1.c.dec_to_int.bin a 1441 1512
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_21_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1441_1512
del
/Q %SL_LOAD_D%\Warehouse\1441_1512
  wtpccd1.c.dec_to_int.bin a 1513 1584
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_22_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1513_1584
del
/Q %SL_LOAD_D%\Warehouse\1513_1584
  wtpccd1.c.dec_to_int.bin a 1585 1656
W %SL_LOAD_D%

```

```

rdbloader -mi -i
TPCC.WAREHOUSE_23_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1585_1656
del
/Q %SL_LOAD_D%\Warehouse\1585_1656
  wtpccd1.c.dec_to_int.bin a 1657 1728
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_24_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1657_1728
del
/Q %SL_LOAD_D%\Warehouse\1657_1728
  wtpccd1.c.dec_to_int.bin a 1729 1800
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_25_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1729_1800
del
/Q %SL_LOAD_D%\Warehouse\1729_1800
  wtpccd1.c.dec_to_int.bin a 1801 1872
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_26_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1801_1872
del
/Q %SL_LOAD_D%\Warehouse\1801_1872
  wtpccd1.c.dec_to_int.bin a 1873 1944
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_27_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1873_1944
del
/Q %SL_LOAD_D%\Warehouse\1873_1944
  wtpccd1.c.dec_to_int.bin a 1945 2016
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_28_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\1945_2016
del
/Q %SL_LOAD_D%\Warehouse\1945_2016
  wtpccd1.c.dec_to_int.bin a 2017 2088
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_29_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\2017_2088
del
/Q %SL_LOAD_D%\Warehouse\2017_2088
  wtpccd1.c.dec_to_int.bin a 2089 2160
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_30_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\2089_2160
del
/Q %SL_LOAD_D%\Warehouse\2089_2160
  wtpccd1.c.dec_to_int.bin a 2161 2232
W %SL_LOAD_D%
  rdbloader -mi -i
TPCC.WAREHOUSE_31_DSI -h -s %WK1_D% -
n %SL_LOAD_D%\Warehouse\2161_2232
del
/Q %SL_LOAD_D%\Warehouse\2161_2232
  wtpccd1.c.dec_to_int.bin a 1 72
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_1_DSI -
h -s %WK1_D% -n %SL_LOAD_D%\District\1_72

```

```

del /Q %SL_LOAD_D%\District\1_72
  wtpccd1.c.dec_to_int.bin a 73 144
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_2_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\73_144
  wtpccd1.c.dec_to_int.bin a 145 216
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_3_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\145_216
  del /Q %SL_LOAD_D%\District\145_216
  wtpccd1.c.dec_to_int.bin a 217 288
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_4_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\217_288
  del /Q %SL_LOAD_D%\District\217_288
  wtpccd1.c.dec_to_int.bin a 289 360
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_5_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\289_360
  del /Q %SL_LOAD_D%\District\289_360
  wtpccd1.c.dec_to_int.bin a 361 432
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_6_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\361_432
  del /Q %SL_LOAD_D%\District\361_432
  wtpccd1.c.dec_to_int.bin a 433 504
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_7_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\433_504
  del /Q %SL_LOAD_D%\District\433_504
  wtpccd1.c.dec_to_int.bin a 505 576
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_8_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\505_576
  del /Q %SL_LOAD_D%\District\505_576
  wtpccd1.c.dec_to_int.bin a 577 648
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_9_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\577_648
  del /Q %SL_LOAD_D%\District\577_648
  wtpccd1.c.dec_to_int.bin a 649 720
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_10_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\649_720
  del /Q %SL_LOAD_D%\District\649_720
  wtpccd1.c.dec_to_int.bin a 721 792
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_11_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\721_792
  del /Q %SL_LOAD_D%\District\721_792
  wtpccd1.c.dec_to_int.bin a 793 864
D %SL_LOAD_D%
  rdbloader -mi -i TPCC.DISTRICT_12_DSI -
h -s %WK1_D% -
n %SL_LOAD_D%\District\793_864
  del /Q %SL_LOAD_D%\District\793_864

```

```

    wtpccd1.c.dec_to_int.bin a 865 936
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_13_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\865_936
    del /Q %SL_LOAD_D%\District\865_936
    wtpccd1.c.dec_to_int.bin a 937 1008
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_14_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\937_1008
    del /Q %SL_LOAD_D%\District\937_1008
    wtpccd1.c.dec_to_int.bin a 1009 1080
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_15_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1009_1080
    del /Q %SL_LOAD_D%\District\1009_1080
    wtpccd1.c.dec_to_int.bin a 1081 1152
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_16_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1081_1152
    del /Q %SL_LOAD_D%\District\1081_1152
    wtpccd1.c.dec_to_int.bin a 1153 1224
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_17_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1153_1224
    del /Q %SL_LOAD_D%\District\1153_1224
    wtpccd1.c.dec_to_int.bin a 1225 1296
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_18_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1225_1296
    del /Q %SL_LOAD_D%\District\1225_1296
    wtpccd1.c.dec_to_int.bin a 1297 1368
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_19_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1297_1368
    del /Q %SL_LOAD_D%\District\1297_1368
    wtpccd1.c.dec_to_int.bin a 1369 1440
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_20_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1369_1440
    del /Q %SL_LOAD_D%\District\1369_1440
    wtpccd1.c.dec_to_int.bin a 1441 1512
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_21_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1441_1512
    del /Q %SL_LOAD_D%\District\1441_1512
    wtpccd1.c.dec_to_int.bin a 1513 1584
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_22_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1513_1584
    del /Q %SL_LOAD_D%\District\1513_1584
    wtpccd1.c.dec_to_int.bin a 1585 1656
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_23_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1585_1656
    del /Q %SL_LOAD_D%\District\1585_1656
    wtpccd1.c.dec_to_int.bin a 1657 1728
D %SL_LOAD_D%

```

```

    rdbloader -mi -i TPCC.DISTRICT_24_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1657_1728
    del /Q %SL_LOAD_D%\District\1657_1728
    wtpccd1.c.dec_to_int.bin a 1729 1800
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_25_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1729_1800
    del /Q %SL_LOAD_D%\District\1729_1800
    wtpccd1.c.dec_to_int.bin a 1801 1872
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_26_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1801_1872
    del /Q %SL_LOAD_D%\District\1801_1872
    wtpccd1.c.dec_to_int.bin a 1873 1944
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_27_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1873_1944
    del /Q %SL_LOAD_D%\District\1873_1944
    wtpccd1.c.dec_to_int.bin a 1945 2016
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_28_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\1945_2016
    del /Q %SL_LOAD_D%\District\1945_2016
    wtpccd1.c.dec_to_int.bin a 2017 2088
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_29_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\2017_2088
    del /Q %SL_LOAD_D%\District\2017_2088
    wtpccd1.c.dec_to_int.bin a 2089 2160
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_30_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\2089_2160
    del /Q %SL_LOAD_D%\District\2089_2160
    wtpccd1.c.dec_to_int.bin a 2161 2232
D %SL_LOAD_D%
    rdbloader -mi -i TPCC.DISTRICT_31_DSI
    -h -s %WK1_D% -
n %SL_LOAD_D%\District\2161_2232
    del /Q %SL_LOAD_D%\District\2161_2232

```

```

@rem ### Item ###
    wtpccd1.c.dec_to_int.bin a 1 32
I %SL_LOAD_D%
    rdbloader -mi -i TPCC.ITEM_1_DSI
s %WK1_D% -n %SL_LOAD_D%\Item\data
    del /Q %SL_LOAD_D%\Item\data

```

**File: ups\_all.bat**

```

set SL_LOAD_D=x:\rdb\loaddata
set WK1_D=x:\rdb\sortwk1
set WK2_D=x:\rdb\sortwk2
set WK3_D=x:\rdb\sortwk3
set WK4_D=x:\rdb\sortwk4

```

```

rdbups -i TPCC.WAREHOUSE_1_DSI -
s %WK1_D%
rdbups -i TPCC.DISTRICT_1_DSI -
s %WK1_D%
rdbups -i TPCC.ITEM_1_DSI -s %WK1_D%

rdbups -i TPCC.STOCK_1_DSI -s %WK1_D%

rdbups -i TPCC.ORDERLIN_1_DSI -
s %WK1_D%
rdbups -i TPCC.ORDERS_1_DSI -
s %WK1_D%
rdbups -i TPCC.NEWORDER_1_DSI -
s %WK1_D%

rdbups -i TPCC.CUSTOMER_1_DSI -
s %WK1_D%
rdbups -i TPCC.HISTORY_1_DSI -s %WK1_D%

```

**File: wtpccd1.dec\_to\_int.bin.c**

```

/*
 * File Name : wtpccd.ec
 * Function Name : main()
 * : item()
 * : warehouse()
 * : stock()
 * : district()
 * : customer()
 * : orders()
 * : new_order()
 * : make_address()
 * : lastname()
 * : make_alpha_string()
 * : make_number_string()
 * : random_number()
 * : set_seed()
 * : nurand()
 * : init_permutation()
 * : init_permutation()
 * Description : DB tpcc f [ ^ x [ X, item,
warehouse, stock,
district, customer, history,
orders, order_line,
new_order e [ u , e e [ u
[ h p
 * f [ ^ C(char) o .
 * Author : r l }
 * Reviewer :
 * COPYRIGHT FUJITSU Limited 1995
 *
 * 95-03-13 O c
 * - o ` X( : %20s
==> %s)
 * - L X C R [ h
C
 * sprintf & fwrite fprintf
X( )
 * - ORDERS ORDER_LINE e [ u
CNULL I
 * J o X
 * 95-05-16 r
 * - 10warehouse o t @ C
X
 * 96-04-18

```



```

*           - W-TAX, D-TAX, C-DISCOUNT,
I-PRICE, OL-AMOUNT, H-AMOUNT
*           t B | h      X(DECIMAL ->
SMALLINT or INTEGER)
*           - C-SINCE, OL-DELIVERY-D,
O-ENTRY-D
*           t B | h      X(DECIMAL ->
CHAR)
*           96-09-06
*           - file o @ X
*           1.option o table I
\ (3 parameter)
*           (0..all, 1..IT/ST/HI/CU,
2..WH/DI/OL/OS/NO)
*           2.file o X

(/rdb/loaddata/[table ]/[warehouse J n_ I ]
*           ex.:
/rdb/loaddata/Customer/10_15 .. Customer Wh10-
15)
*           - Text ` Binary ` . DECIMAL
^ |
*           P          :)
*           <decimal(a,b) format>
*           decimal(10,2)
aa|aa|aa|aa|ab|bs (6byte=a/2+1)
*           a=decimal e E
l(b          )
*           b= _ E l(s
8bit          )
*           s= p. (+) "c", (-)
"d"
*           ex.) +12345678.23
= '(0x) 01|23|45|67|82|3b
*           program C FUNC.
| C
*           @          C I
C
*           "record o " I
(
*           @          )
*           ex.) w_ytd = -
123.45;
*           :
*           :
*           :
*           ("record o
" )
*           w_ytd_1 =
0x00;
*           w_ytd_2 =
0x00;
*           w_ytd_3 =
0x00;
*           w_ytd_4 =
0x00;
*           w_ytd_5 =
0x12;
*           w_ytd_6 =
0x34;
*           w_ytd_7 =
0x5d;
*
*           96-11-27
*           - ol_i_id I (?)
*           ol_i_id 1`10 n

```

```

*           ( : n=2;
2,4,6,...99998,100000)
*           n setenv
TPCRANDBY n @
*           n < TPCRANDBY < 10
or undefined == 1
*           97-02-18
*           - C_ID, H_C_ID, O_C_ID
*           t B | h      X(SMALLINT ->
INTEGER)
*           - L_IM_ID t B | h
*           97-02-18
*           - fprintf -> sprintf + fwrite X
*
*           (item,stock,customer,history,orders,orderline )
*           - random_number mac
*           - make_alpha_string y
make_number_string
*           rund X .( x v          )
*           - make_alpha_string
p
*           ( ORACLE , HP X )
*           - get_permutation ,o_c_id
*           - TAB ID 221(c_last NURand
C) C
*           Issue : C Value For NURand
Specification : TPC-C,Clause 2.1.6
*           c_last NURand C K L .
*           C-Load : DB [h g p C
*           C-Run : (tran) f [ ^ g p C
*           C-Delta : | C-Load - C-Run |
*           C [0,255]
*           C-Delta [65,119] A ,96,112
*           C-Run , 111
*           ^ Online : tranmain Const
*           Online : pptpcc2(shell) u14i
*           nurand() p ^ X
*
*           98-08-03 R
*           - make_alpha_string p , p
B
*
*
*/
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <sys/types.h> /* 1994.12.28 add
kawabata */
#include <sys/stat.h> /* 1995.02.24 add
arakawa */
#include <fcntl.h> /* 1995.02.24 add
arakawa */
#include <time.h>

#define DBNAME "tpcc" /*
DB */
#define MAXITEMS 100000 /*
i */
#define MAXSTOCK 100000 /*
STOCK */
#define DIST_PER_WARE 10 /*
X */

```

```

#define CUST_PER_DIST 3000 /* X
q */
#define ORD_PER_DIST 3000 /* X
I[_[ */
#define NEWWORDS 900 /*
X V K I [_[ */
#define CLS_CNT 10000
/* J \ \ N [ Y */

#define CMT_CNT 3

#define T256 16777216
#define D256 65536
#define NNUL_V 0x00
#define NUL_V 0xFF

/* 1997-02-18 TAB ID 221(c_last NURand C)
C */
#define C_DELTA 87 /* | C_LOAD -
C_RAN | */
#define C_RUN 111 /* TRAN NURand
C */
#define C_LOAD (C_DELTA+C_RUN) /* DB
LOAD NURand C */

/* 1997-02-18 fprintf -> sprintf + fwrite
*/
#define ITEM_SIZE 84 /* ITEM
e [ u */
#define DISTRICT_SIZE 98 /*
DISTRICT e [ u */
#define WAREHOUSE_SIZE 92 /*
WAREHOUSE e [ u */
#define STOCK_SIZE 306 /*
STOCK e [ u */
#define CUSTOMER_SIZE 672 /*
CUSTOMER e [ u */
#define HISTORY_SIZE 54 /* HISTORY
e [ u */
#define ORDERS_SIZE 48 /* ORDERS
e [ u (32+16)*/
#define ORDERLINE_SIZE 80 /*
ORDERLINE e [ u (60+20)*/
#define NEWORDER 8 /*
HISTORY e [ u */

#define ITEM_COUNT 1000 /* ITEM e [ u
*/
#define STOCK_COUNT 1000 /*
STOCK e [ u */
#define CUSTOMER_COUNT 500 /*
CUSTOMER */
#define HISTORY_COUNT 1000 /*
HISTORY */
#define ORDERS_COUNT 1000 /*
ORDERS */
#define ORDERLINE_COUNT 3000 /*
ORDERLINE */

/* X R p C B
*/
/* D_BASE w C B */
/* w A f t H g x \ B */
/* 980417 R */
#define D_BASE_2 "x:\rdb\loaddata\"
char D_BASE[32];

```

```

/*
*/

/* O [ o */
/* z X g */
char yyyymmddhhmss[15];

/* e p .....7 96-09-06 C
*/
/* (INTEGER:_1`_4 / SMALLINT:_1`_2 /
DECIMAL:_1`_7) */

int i_id;
int i_id_1, i_id_2, i_id_3, i_id_4;
int i_im_id;
/* 97-02-18 */
int i_im_id_1, i_im_id_2, i_im_id_3,
i_im_id_4; /* 97-02-18 */
char i_name[25];
int i_price;
int i_price_1, i_price_2;
char i_data[51];

short w_id;
int w_id_1, w_id_2;
char w_name[11];
char w_street_1[21];
char w_street_2[21];
char w_city[21];
char w_state[3];
char w_zip[10];
int w_tax;
int w_tax_1, w_tax_2;
float w_ytd;
int w_ytd_1, w_ytd_2, w_ytd_3, w_ytd_4,
w_ytd_5, w_ytd_6, w_ytd_7;

int s_i_id;
int s_i_id_1, s_i_id_2, s_i_id_3, s_i_id_4;
short s_w_id;
int s_w_id_1, s_w_id_2;
int s_quantity;
int s_quantity_1, s_quantity_2;
char s_dist_01[25];
char s_dist_02[25];
char s_dist_03[25];
char s_dist_04[25];
char s_dist_05[25];
char s_dist_06[25];
char s_dist_07[25];
char s_dist_08[25];
char s_dist_09[25];
char s_dist_10[25];
int s_ytd;
int s_ytd_1, s_ytd_2, s_ytd_3, s_ytd_4;
int s_order_cnt;
int s_order_cnt_1, s_order_cnt_2;
int s_remote_cnt;
int s_remote_cnt_1, s_remote_cnt_2;
char s_data[51];

short d_id;
int d_id_1, d_id_2;
short d_w_id;
int d_w_id_1, d_w_id_2;
char d_name[11];
char d_street_1[21];
char d_street_2[21];

```

```

char d_city[21];
char d_state[3];
char d_zip[10];
int d_tax;
int d_tax_1, d_tax_2;
char work[10];
float d_ytd;
int d_ytd_1, d_ytd_2, d_ytd_3, d_ytd_4,
d_ytd_5, d_ytd_6, d_ytd_7;
int d_next_o_id;
int d_next_o_id_1, d_next_o_id_2,
d_next_o_id_3, d_next_o_id_4;

int c_id;
/* 97-02-18 X short -> int */
int c_id_1, c_id_2, c_id_3, c_id_4; /*
97-02-18 3`4 */
short c_d_id;
int c_d_id_1, c_d_id_2;
short c_w_id;
int c_w_id_1, c_w_id_2;
char c_first[17];
char c_middle[3];
char c_last[17];
char c_street_1[21];
char c_street_2[21];
char c_city[21];
char c_state[3];
char c_zip[10];
/* 980803 K.Sugiyama g */
char c_phone[17];
/* 980803 K.Sugiyama g */
char c_since[15];
char c_credit[3];
float c_credit_lim;
int c_credit_lim_1, c_credit_lim_2,
c_credit_lim_3, c_credit_lim_4;
int c_credit_lim_5, c_credit_lim_6,
c_credit_lim_7;
int c_discount;
int c_discount_1, c_discount_2;
float c_balance;
int c_balance_1, c_balance_2,
c_balance_3, c_balance_4;
int c_balance_5, c_balance_6,
c_balance_7;
float c_ytd_payment;
int c_ytd_payment_1, c_ytd_payment_2,
c_ytd_payment_3, c_ytd_payment_4;
int c_ytd_payment_5, c_ytd_payment_6,
c_ytd_payment_7;
int c_payment_cnt;
int c_payment_cnt_1, c_payment_cnt_2;
int c_delivery_cnt;
int c_delivery_cnt_1, c_delivery_cnt_2;
char c_data[501];

int h_c_id;
/* 97-02-18 X short -> int */
int h_c_id_1, h_c_id_2, h_c_id_3,
h_c_id_4; /* 97-02-18 3`4 */
short h_c_d_id;
int h_c_d_id_1, h_c_d_id_2;
short h_c_w_id;
int h_c_w_id_1, h_c_w_id_2;
short h_d_id;
int h_d_id_1, h_d_id_2;
short h_w_id;

```

```

int h_w_id_1, h_w_id_2;
char h_date[15];
int h_amount;
int h_amount_1, h_amount_2,
h_amount_3, h_amount_4;
char h_data[25];

int o_id;
int o_id_1, o_id_2, o_id_3, o_id_4;

short o_d_id;
int o_d_id_1, o_d_id_2;
short o_w_id;
int o_w_id_1, o_w_id_2;
int o_c_id;
/* 97-02-18 X short -> int */
int o_c_id_1, o_c_id_2, o_c_id_3,
o_c_id_4; /* 97-02-18 3`4 */
char o_entry_d[15];
short o_carrier_id;
int o_carrier_id_1, o_carrier_id_2;
short o_ol_cnt;
int o_ol_cnt_1, o_ol_cnt_2;
short o_all_local;
int o_all_local_1, o_all_local_2;

int ol_o_id;
int ol_o_id_1, ol_o_id_2, ol_o_id_3,
ol_o_id_4;
short ol_d_id;
int ol_d_id_1, ol_d_id_2;
short ol_w_id;
int ol_w_id_1, ol_w_id_2;
short ol_number;
int ol_number_1, ol_number_2;
int ol_i_id;
int ol_i_id_1, ol_i_id_2, ol_i_id_3,
ol_i_id_4;
short ol_supply_w_id;
int ol_supply_w_id_1, ol_supply_w_id_2;
char ol_delivery_d[15];
int ol_quantity;
int ol_quantity_1, ol_quantity_2;
int ol_amount;
int ol_amount_1, ol_amount_2,
ol_amount_3, ol_amount_4;
char ol_dist_info[25];

int no_o_id;
int no_o_id_1, no_o_id_2, no_o_id_3,
no_o_id_4;
short no_d_id;
int no_d_id_1, no_d_id_2;
short no_w_id;
int no_w_id_1, no_w_id_2;

/*short c; */ /* NURand p s
*/
short ocid[CUST_PER_DIST]; /* o_c_id p
z */
short counter; /* o_c_id p J E ^ */

/* :961127:K.Fukui: I_ID A p (main Q) */
char *EnvGetI_ID;
int I_ID_Rand_by;
/* :961127:K.Fukui: (above is all) */

```

```

void item();
void warehouse();
void stock();
void district();
void customer();
void orders();
void make_address();
void lastname();
int make_alpha_string();
int make_number_string();
#ifdef call_rand
int random_number();
#else
#define random_number(x,y)
((int)((rand()*32768+rand())%(y-x+1)) + x)
#endif
void set_seed();
int nurand();
void init_permutation();
int get_permutation();

/* t@C p */
FILE *fst1;
FILE *fst2;
FILE *fst3;
FILE *fst4;
FILE *fst5;
FILE *fst6;
FILE *fst7;
FILE *fst8;
FILE *fst9;
int wst;

char fileout[100]; /* o w p */
char filedum[100];

/*
 * Function : main()
 * Description : DB e [ u , item,
warehouse o ,
 * f [ ^ [ h .
 * Parameters : 1. argc, R } h
 * 2. argv, R } h w
 * R } h t@C
 * R } h e [ u
 * Globals Ref: nothing
 * Globals Out : 1. yyyyymmddhhmss,
^ C X ^ v
 * Returns : 0 l
 * 1 l
 */

int
main(argc, argv)
int argc;
char **argv;
{
time_t tod; /* ^ C X ^ v
*/

struct tm *stm; /* ^ C X ^ v */
int count_ware;
int last_ware;
int base_ware;
int make_type;
int mk_loop;
char sw_buf[2];

```

```

/* F b N */
if (argc < 5) {
printf("usage: wtpcc [output_dir] "
"[start_warehouse] "
"[end_warehouse] "
"[maketype]...\n\n");
printf(" [maketype] make data seeds
for rdbloader "
"(multiple designation available)\n");
printf(" l:Item, D:District,
W:Warehouse, S:Stock,\n");
printf(" C:Customer/History,
O:Orders/OrderLine/NewOrder\n");
exit(1);
}

/* F b N */
strcpy( fileout, argv[1] );
base_ware = atoi(argv[2]);
last_ware = atoi(argv[3]);
/* make_type = atoi(argv[3]); */
count_ware = last_ware - base_ware;
if (count_ware <= 0) {
printf("%s: invalid warehouse
count\n",argv[0]);
// exit(1);
}

/* system("date"); */
/* printf("%s start\n",argv[0]); */
printf("wtpcc: INFO Make-Table: (%d-
%dWH)",base_ware,last_ware);

/* 980417 */
mk_loop = 4;
// for( mk_loop = 4; mk_loop <= argc-1;
mk_loop++){

strcpy(sw_buf, argv[mk_loop]);

switch( sw_buf[0] ){
case 'I': printf("Item, ");
break;
case 'W': printf("Warehouse,
"); break;
case 'S': printf("Stock, ");
break;
case 'D': printf("District, ");
break;
case 'C': printf("Customer,
History, "); break;
case 'O': printf("Orders,
N.Order, O.Line, "); break;
}
// }
/* 980417 */
printf("to %s\n", fileout);

/* :961127:K.Fukui: ITEM_ID (?)( 1`10
n
I_ID )
"TPCRANDBY" integer n
(100000/n NURand n ,
l'n ) w
( 1 < TPCRANDBY < MAXITEMS
A l "1" ) */

```

```

EnvGetI_ID = getenv( "TPCRANDBY" );

if( EnvGetI_ID == NULL ){
I_ID_Rand_by = 1;
printf("wtpcc: Warning: "
"TPCRANDBY: Normal OL_I_ID\n");
} else {

I_ID_Rand_by = atoi( EnvGetI_ID );
printf("wtpcc: INFO: "
"TPCRANDBY: (%d) * OL_I_ID \n",
I_ID_Rand_by);

if( ( I_ID_Rand_by < 1 ) ||
(I_ID_Rand_by > MAXSTOCK) ){
I_ID_Rand_by = 1;
printf("wtpcc: Warning: "
"TPCRANDBY: OUT of range(1--
%d). "
"Normal OL_I_ID\n",
MAXSTOCK);
}

}

/* :961127:K.Fukui: (above is all) */

/* wtpccd1.c.dec_to_int.bin a 881 885 O
x:rdbloaddata */
/* p ^ l B */
if( argc == 6 )
{
strcpy( D_BASE, argv[5] );
}
else
{
strcpy( D_BASE, D_BASE_2 );
}

/* */
set_seed(time(0));

/* 1997-02-18 TAB ID 221(c_last NURand C)
C */
/* NURand s */
/* c = random_number(0, 255); */
printf("wtpcc: INFO: TAB ID 221 C-Delta
= %d \n",C_DELTA );
printf(" C-Load NURAND C = %d
\n",C_LOAD );
printf(" C-Run NURAND C = %d
\n",C_RUN );

/* ^ C X ^ v */
time(&tod);
stm = localtime(&tod);
sprintf(yyyyymmddhhmss,"%04d%02d%02
d%02d%02d%02d",
stm->tm_year+1900,stm-
>tm_mon+1,stm->tm_mday,
stm->tm_hour,stm-
>tm_min,stm->tm_sec);

/* 980417 */
mk_loop = 4;

```

```

// for( mk_loop = 4; mk_loop <= argc-1;
mk_loop++){

    strcpy(sw_buf, argv[mk_loop]);

    switch( sw_buf[0] ){
        case 'I':
            if ( base_ware == 1 )
            {
                fprintf(stderr,"wtpcc: INFO: ITEM Start\n");
                /* item      o */
                item();

                fprintf(stderr,"wtpcc: INFO: ITEM End\n");
            }
            else
            {
                printf("wtpcc: Warning: "
                    "J nwarehouse '1'      ,"
                    "ITEM      s      \n");
            }
            break;

            case 'W':
                fprintf(stderr,"wtpcc:
INFO: "
                "WAREHOUSE (%d `%dwh)
Start\n",
                base_ware,last_ware);
                /* warehouse      o */

                warehouse(base_ware,last_ware);
                fprintf(stderr,"wtpcc:
INFO: "
                "WAREHOUSE (%d `%dwh) End\n",
                base_ware,last_ware);
                break;

            case 'S':
                fprintf(stderr,"wtpcc:
INFO: "
                "STOCK (%d `%dwh) Start\n",
                base_ware, last_ware);
                /* stock      o */

                stock(base_ware,last_ware);
                fprintf(stderr,"wtpcc:
INFO: "
                "STOCK (%d `%dwh) End\n",
                base_ware, last_ware);
                break;

            case 'D':
                fprintf(stderr,"wtpcc:
INFO: "
                "DISTRICT (%d `%dwh) Start\n",
                base_ware, last_ware);
                /* district      o */

                district(base_ware,last_ware);
                fprintf(stderr,"wtpcc:
INFO: "
                "DISTRICT (%d `%dwh) End\n",
                base_ware, last_ware);
                break;

            case 'C':

```

```

                fprintf(stderr,"wtpcc:
INFO: "
                "CUSTOMER/HISTORY (%d
`%dwh) Start\n",
                base_ware, last_ware);
                /* customer      o */

                customer(base_ware,last_ware);
                fprintf(stderr,"wtpcc:
INFO: "
                "CUSTOMER/HISTORY (%d
`%dwh) End\n",
                base_ware, last_ware);
                break;

            case 'O':
                fprintf(stderr,"wtpcc:
INFO: "
                "ORDERS/O.LINE/N.ORDER (%d
`%dwh) Start\n",
                base_ware, last_ware);
                /* orders      o */

                orders(base_ware,last_ware);
                fprintf(stderr,"wtpcc:
INFO: "
                "ORDERS/O.LINE/N.ORDER (%d
`%dwh) End\n",
                base_ware, last_ware);
            }
        // }
        /* 980417 */

        /* system("date"); */

        /* i */
        return(0);
    }

    /*
    * Function      : item()
    * Description : item e [ u      [ h .
    * Parameters : nothing
    * Grobals Ref: nothing
    * Grobals Out      : nothing
    * Returns      : nothing
    */

    void
    item()
    {
        short      idatasiz;
        short      orig[MAXITEMS];
        int      pos;
        int      cnt;
        long      d_100 = 100.0;
        /* 1997-02-18 fprintf -> sprintf + fwrite */
        int      item_lpcnt      ; /*
        char      *item_ap      ; /*
        char      *item_cp      ; /*
        */

        char      filename[64];

```

```

        memset( filename, 0x00,
sizeof( filename ) );

        sprintf(filename , "%s\\Item\\data",
D_BASE );

        /* t@C      I [ v */
        if ((fst1 = fopen( filename , "wb"))==NULL){
            printf("wtpcc: err:
/rdb/loaddata/Item/data: can't create file\n");
            exit(1);
        }
        /* 1997-02-18 fprintf -> sprintf + fwrite */
        /* ITEM e [ u      p      l      */
        item_ap = (char
*)malloc((size_t)ITEM_SIZE*ITEM_COUNT);
        if ( item_ap == NULL )
            /*
            */
            {
                /*
                */
                printf("Malloc failed.(item)\n")      ; /*
                */
                exit(1)      ; /*
                */
            }
            /*
            */
            item_cp = item_ap      ; /*
            */
            item_lpcnt = 0      ; /*
            */
            /*
            */

            /* z orig MAXITEMS v f      , i_data
"ORIGINAL"
            10 p [ Z      g      t      O      */
            memset(orig, 0, sizeof(orig));
            for (cnt = 0; cnt < (MAXITEMS / 10); cnt++)
            {
                do {
                    pos = random_number(1,
MAXITEMS);
                } while (orig[pos - 1]);
                orig[pos - 1] = 1;
            }

            /* i_id 1-MAXITEMS J E ^      ,
MAXITEMS s */
            /* item e [ u      f [ ^      [ h */
            for (i_id = 1; i_id <= MAXITEMS; i_id++) {

                /* i_name      */
                make_alpha_string(14, 24, i_name);

                /* i_data      ,      10%      ORIGINAL
                */
                idatasiz = make_alpha_string(26, 50,
i_data);
                if (orig[i_id - 1]) {
                    pos = random_number(0,
idatasiz - 8);
                    strncpy(&i_data[pos],
"ORIGINAL", 8);
                }

                /* R [ h o */
                fprintf(fst1,"%d,%%-24s\","%d,%%-
50s\n" , i_id,i_name,i_price,i_data);      */

```

```

/* record o : X: 96/09/06 */
i_id_1 = i_id / T256;
i_id_2 = (i_id - (i_id_1 * T256)) /
D256;
i_id_3 = (i_id - (i_id_1 * T256) -
(i_id_2 * D256)) / 256;
i_id_4 = i_id % T256;

/* i_im_id : 97-02-18 start */
i_im_id = random_number(1, 10000);
i_im_id_1 = i_im_id / T256;
i_im_id_2 = (i_im_id - (i_im_id_1 *
T256)) / D256;
i_im_id_3 = (i_im_id - (i_im_id_1 *
T256) - (i_im_id_2 * D256)) / 256;
i_im_id_4 = i_im_id % T256;
/* i_im_id : 97-02-18 end */

/* i_price */
/* i_price /= d_100; */
i_price = random_number(100,
10000);
i_price_1 = i_price / 256;
i_price_2 = i_price % 256;

/*
printf(fst1,"%c%c%c%c%-
24s%c%c%-50s"

,i_id_1,i_id_2,i_id_3,i_id_4,i_name,i_price_1,
i_price_2,i_data);
*/
/* printf(fst1,"%c%c%c%c%-
24s%c%c%-50s"

,i_id_4,i_id_3,i_id_2,i_id_1,i_name,i_price_2,
i_price_1,i_data);
*/
/* i_im_id C 97-02-18 */
sprintf(item_cp,
"%c%c%c%c"
"%c%c%c%c"
"%-24s"
"%c%c"
"%-50s",

// i_id_1,i_id_2,i_id_3,i_id_4,
i_id_4,i_id_3,i_id_2,i_id_1,

// i_im_id_1,i_im_id_2,i_im_id_3,i_im_id_4,
i_im_id_4,i_im_id_3,i_im_id_2,i_im_i
d_1,

i_name,
// i_price_1,i_price_2,
i_price_2,i_price_1,
i_data);

item_cp = item_cp + ITEM_SIZE ;
item_lpcnt = item_lpcnt + 1 ;

if (item_lpcnt == ITEM_COUNT)
{
fwrite(item_ap,
(size_t)ITEM_SIZE ,
(size_t)ITEM_COUNT ,
fst1) ;
item_cp = item_ap ;
item_lpcnt = 0 ;
}

```

```

}

/* 1997-02-18 fprintf -> printf + fwrite */
if (item_lpcnt != 0)
{
fwrite(item_ap
(size_t)ITEM_SIZE ,
(size_t)item_lpcnt ,
fst1) ;
}

/* t@C N [Y*/
fclose(fst1);

/* */
free(item_ap);

/* */
return;
}

/*
Function : warehouse()
Description : warehouse e [ u [ h .
Parameters : 1. base_ware, J n
Parameters : 2. last_ware, l
Grobals Ref: nothing
Returns : nothing
*/

void
warehouse(base_ware,last_ware)
int base_ware;
int last_ware;
{

/* */
int filecount = 1;
int outfilecount;
char filename[64];

long d_10000 = 10000.0;
/* w_ytd = 300000.00; record o C Q
*/
w_ytd = 30000000; /* 98-11-06 */
outfilecount = ((base_ware-1)/10) + 1;

memset( filename, 0x00, sizeof( filename ));

/* t@C l [v */
sprintf(filename, "%s\\Warehouse\\%d_%d",
D_BASE, base_ware, last_ware);
if ((fst2 = fopen(filename, "wb"))==NULL){
printf("wttpcc: err: %s: can't create
file\n",filename);
exit(1);
}

/* w_id [ v J E ^ , count_ware */
/* warehouse e [ u f [ ^ [ h */
for (w_id = base_ware; w_id <= last_ware;
w_id++) {

/* w_name */
make_alpha_string(6, 10, w_name);

/* Z f [ ^ */

```

```

make_address(w_street_1,
w_street_2, w_city, w_state, w_zip);

/* w_tax /= d_10000;*/

/* R [ h o */
/* fprintf(fst2,"%d,%-10s",%-
20s",%-20s",%-20s",%-20s",%-2s",%-
9s",%d,%3.2fn",w_id,w_name,w_street_1,w_stre
et_2,w_city,w_state,w_zip,w_tax,w_ytd); */
w_tax = random_number(0, 2000);

/* record o : X: 96/09/06 fukui */

w_id_1 = w_id / 256;
w_id_2 = w_id % 256;
w_tax_1 = w_tax / 256;
w_tax_2 = w_tax % 256;
w_ytd_1 = 0x00; /* w_ytd:
+300000.00 */
w_ytd_2 = 0x00;
w_ytd_3 = 0x03;
w_ytd_4 = 0x00;
w_ytd_5 = 0x00;
w_ytd_6 = 0x00;
w_ytd_7 = 0x0c;

/* fprintf(fst2,"%c%c%-10s%-20s%-
20s%-20s%-2s%-
9s%c%c%c%c%c%c%c%c",w_id_1,w_id_2,w_
name,w_street_1,w_street_2,w_city,w_state,w_zi
p,w_tax_1,w_tax_2,w_ytd_1,w_ytd_2,w_ytd_3,w_
ytd_4,w_ytd_5,w_ytd_6,w_ytd_7);
o C g X b v l R
*/
printf(fst2,"%c%c%-10s%-20s%-
20s%-20s%-2s%-9s%c%c%c%c%c%c%c%c",

w_id_2,w_id_1,w_name,w_street_1,w_street_2,w_
_city,w_state,w_zip,

w_tax_2,w_tax_1,w_ytd_1,w_ytd_2,w_ytd_3,w_yt
d_4,w_ytd_5,w_ytd_6,w_ytd_7);

filecount++;
}

/* t@C N [Y*/
fclose(fst2);

/* */
return;
}

/*
Function : stock()
Description : stock e [ u [ h .
Parameters : 1. base_ware, J n
Parameters : 2. last_ware, l
Grobals Ref: nothing
Grobals Out : nothing
Returns : nothing
*/

void
stock(base_ware,last_ware)

```



```

        s_dist_01,s_dist_02,s_dist_03,s
_dist_04,s_dist_05,
        s_dist_06,s_dist_07,s_dist_08,s
_dist_09,s_dist_10,
//
s_ytd_1,s_ytd_2,s_ytd_3,s_ytd_4,
        s_ytd_4,s_ytd_3,s_ytd_2,s_ytd_
1,
//
        s_order_cnt_1,s_order_cnt_2,
        s_order_cnt_2,s_order_cnt_1,
//
s_remote_cnt_1,s_remote_cnt_2,
        s_remote_cnt_2,s_remote_cnt_
1,
        s_data);

stock_cp = stock_cp + STOCK_SIZE ;
stock_lpcnt = stock_lpcnt + 1 ;

if ( stock_lpcnt == STOCK_COUNT )
{
    fwrite(stock_ap
            ,
            (size_t)STOCK_SIZE ,
            (size_t)STOCK_COUNT ,
            fst3)
        ;
    stock_cp = stock_ap ;
    stock_lpcnt = 0 ;
}

}
    filecount++;
}

/* 1997-02-18 fprintf -> sprintf + fwrite */
if ( stock_lpcnt != 0 )
{
    fwrite(stock_ap
            ,
            (size_t)STOCK_SIZE ,
            (size_t)stock_lpcnt ,
            fst3)
        ;
}

/* t@C N [Y*/
fclose(fst3);

/* */
free(stock_ap);

/* */
return;
}

/*
 * Function : district()
 * Description : district e [ u [ h .
 * Parameters : 1. base_ware, J n
 * Parameters : 2. last_ware, l
 * Grobals Ref: nothing
 * Grobals Out : nothing
 * Returns : nothing
 */

void
district(base_ware,last_ware)
int base_ware;
int last_ware;
{

```

```

/* */
long d_10000 = 10000.0;
int filecount = 1;
int outfilecount;
char filename[64];

/* d_ytd = 30000.00; record o C Q */
d_ytd = 3000000; /* 98-11-06 */
d_next_o_id = 3001;
outfilecount = ((base_ware-1)/10) +1;

/* t@C l [ v */
sprintf(filename, "%s\\District\\%d%d" ,
D_BASE, base_ware, last_ware);
if ((fst4 = fopen(filename, "wb"))==NULL){
    printf("wttppcc: err: %s: can't create
file\n", filename);
    exit(1);
}

/* w_id J E ^ , count_ware [ v */
for (d_w_id = base_ware; d_w_id <=
last_ware; d_w_id++){

    /* d_id J E ^ , DIST_PER_WARE
[ v */
    for (d_id = 1; d_id <=
DIST_PER_WARE; d_id++){

        /* d_name */
        make_alpha_string(6, 10,
d_name);

        /* Z f [ ^ */
        make_address(d_street_1,
d_street_2, d_city, d_state, d_zip);

        /* d_tax */
        d_tax = random_number(0,
2000);
        /* d_tax /= d_10000;*/

        /* R [ h o */
        fprintf(fst4, "%d,%d,%d,%-
10s", "%-20s", "%-20s", "%-20s", "%-2s", "%-
9s", %d, %3.2f, %d\n", d_id, d_w_id, d_name, d_street
_1, d_street_2, d_city, d_state, d_zip, d_tax, d_ytd, d_
next_o_id); */

        /* record o : X: 96-09-06 fukui
*/

        d_id_1 = d_id / 256;
        d_id_2 = d_id % 256;
        d_w_id_1 = d_w_id / 256;
        d_w_id_2 = d_w_id % 256;
        d_tax_1 = d_tax / 256;
        d_tax_2 = d_tax % 256;
        d_ytd_1 = 0x00; /* d_ytd:
30000.00 */

        d_ytd_2 = 0x00;
        d_ytd_3 = 0x00;
        d_ytd_4 = 0x30;
        d_ytd_5 = 0x00;
        d_ytd_6 = 0x00;
        d_ytd_7 = 0x0c;
        d_next_o_id_1 = d_next_o_id /
T256;

```

```

        d_next_o_id_2 = (d_next_o_id-
(d_next_o_id_1*T256))/D256;
        d_next_o_id_3 = (d_next_o_id-
(d_next_o_id_1*T256)-
(d_next_o_id_2*D256))/256;
        d_next_o_id_4 = d_next_o_id %
T256;

/*
    fprintf(fst4, "%c%c%c%c%-
10s%-20s%-20s%-20s%-2s%-
9s%c%c%c%c%c%c%c%c%c%c%c", d_id_1,
d_id_2, d_w_id_1, d_w_id_2, d_name, d_street_1, d_
street_2, d_city, d_state, d_zip, d_tax_1, d_tax_2, d_
ytd_1, d_ytd_2, d_ytd_3, d_ytd_4, d_ytd_5, d_ytd_6, d
_ytd_7, d_next_o_id_1, d_next_o_id_2, d_next_o_id
_3, d_next_o_id_4);
*/

    fprintf(fst4, "%c%c%c%c%-
10s%-20s%-20s%-20s%-2s%-
9s%c%c%c%c%c%c%c%c%c%c%c",
d_id_2, d_id_1, d_w_id_2, d_w_id_1, d_name, d_stre
et_1, d_street_2, d_city, d_state, d_zip,

d_tax_2, d_tax_1, d_ytd_1, d_ytd_2, d_ytd_3, d_ytd_
4, d_ytd_5, d_ytd_6, d_ytd_7,

d_next_o_id_4, d_next_o_id_3, d_next_o_id_2, d_n
ext_o_id_1);

}
    filecount++;
}

/* t@C N [Y*/
fclose(fst4);

/* */
return;
}

/*
 * Function : customer()
 * Description : customer, history e [ u
[ h .
 * Parameters : 1. base_ware, J n
 * Parameters : 2. last_ware, l
 * Grobals Ref: yyyymmddhhmmss, ^ C X ^
v
 * Grobals Out : nothing
 * Returns : nothing
 */

void
customer(base_ware,last_ware)
int base_ware;
int last_ware;
{
    /* */
    long d_10000 = 1000.0;
    long d_100 = 100.0;
    int filecount = 1;
    int outfilecount;
    char filename1[64];
    char filename2[64];
    /* 1997-02-18 fprintf -> sprintf + fwrite */

```





```

c_credit_lim_2 = 0x00;
c_credit_lim_3 = 0x00;
c_credit_lim_4 = 0x50;
c_credit_lim_5 = 0x00;
c_credit_lim_6 = 0x00;
c_credit_lim_7 = 0x0c;
c_discount_1 =
c_discount / 256;
c_discount_2 =
c_discount % 256;
c_balance_1 = 0x00;
/* c_balance: -10.00 */
c_balance_2 = 0x00;
c_balance_3 = 0x00;
c_balance_4 = 0x00;
c_balance_5 = 0x01;
c_balance_6 = 0x00;
c_balance_7 = 0x0d;
c_ytd_payment_1 = 0x00;
/* c_ytd_payment: +10.00 */
c_ytd_payment_2 = 0x00;
c_ytd_payment_3 = 0x00;
c_ytd_payment_4 = 0x00;
c_ytd_payment_5 = 0x01;
c_ytd_payment_6 = 0x00;
c_ytd_payment_7 = 0x0c;
c_payment_cnt_1 =
c_payment_cnt / 256;
c_payment_cnt_2 =
c_payment_cnt % 256;
c_delivery_cnt_1 =
c_delivery_cnt / 256;
c_delivery_cnt_2 =
c_delivery_cnt % 256;

/* 97-02-18 h_c_id X short -> int */
h_c_id_1 = h_c_id / T256;
h_c_id_2 = (h_c_id -
(h_c_id_1 * T256)) / D256;
h_c_id_3 = (h_c_id -
(h_c_id_1 * T256) - (h_c_id_2 * D256)) / 256;
h_c_id_4 = h_c_id %
T256;

h_c_d_id_1 = h_c_d_id /
256;
h_c_d_id_2 = h_c_d_id %
256;
h_c_w_id_1 = h_c_w_id /
256;
h_c_w_id_2 =
h_c_w_id % 256;
h_d_id_1 = h_d_id / 256;
h_d_id_2 = h_d_id % 256;
h_w_id_1 = h_w_id / 256;
h_w_id_2 = h_w_id %
256;
h_amount_1 = h_amount
/ T256;
h_amount_2 =
(h_amount - (h_amount_1 * T256)) / D256;
h_amount_3 =
(h_amount - (h_amount_1 * T256) -
(h_amount_2 * D256)) / D256;
h_amount_4 =
h_amount % T256;

/*
fprintf(fst5, "%c%c%c%c%c%c%-16s%-2s%-
16s%-20s%-20s%-20s%-2s%-9s%-16s%-14s%-
2s%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%
c%c%c%c%c%c%c%c%c%c%c%c%c%c%-
500s",c_id_1,c_id_2,c_d_id_1,c_d_id_2,c_w_id_1,
c_w_id_2,c_first,c_middle,c_last,c_street_1,c_stre
et_2,c_city,c_state,c_zip,c_phone,c_since,c_credi
t,c_credit_lim_1,c_credit_lim_2,c_credit_lim_3,c_c
redit_lim_4,c_credit_lim_5,c_credit_lim_6,c_credit
_lim_7,c_discount_1,c_discount_2,c_balance_1,c
_balance_2,c_balance_3,c_balance_4,c_balance_
5,c_balance_6,c_balance_7,c_ytd_payment_1,c_y
td_payment_2,c_ytd_payment_3,c_ytd_payment_
4,c_ytd_payment_5,c_ytd_payment_6,c_ytd_pay
ment_7,c_payment_cnt_1,c_payment_cnt_2,c_del
ivery_cnt_1,c_delivery_cnt_2,c_data);

fprintf(fst6, "%c%c%c%c%c%c%c%c%c%c%
%-14s%c%c%c%c%-
24s",h_c_id_1,h_c_id_2,h_c_d_id_1,h_c_d_id_2,h
_c_w_id_1,h_c_w_id_2,h_d_id_1,h_d_id_2,h_w_id
_1,h_w_id_2,h_date,h_amount_1,h_amount_2,h_
amount_3,h_amount_4,h_data);
*/
/*
fprintf(fst5, "%c%c%c%c%c%c%-16s%-2s%-
16s%-20s%-20s%-20s%-2s%-9s%-16s%-14s%-
2s%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%
c%c%c%c%c%c%c%c%c%c%c%c%c%c%-500s",
c_id_2,c_id_1,c_d_id_2,c_d_id_1,c_w_id_2,c_w_i
d_1,c_first,c_middle,c_last,c_street_1,c_street_2,
c_city,c_state,c_zip,c_phone,c_since,c_credit,
c_credit_lim_1,c_credit_lim_2,c_credit_lim_3,c_cr
edit_lim_4,c_credit_lim_5,c_credit_lim_6,c_credit_
lim_7,
c_discount_2,c_discount_1,c_balance_1,c_balanc
e_2,c_balance_3,c_balance_4,c_balance_5,c_bal
ance_6,c_balance_7,
c_ytd_payment_1,c_ytd_payment_2,c_ytd_payme
nt_3,c_ytd_payment_4,c_ytd_payment_5,c_ytd_p
ayment_6,c_ytd_payment_7,
c_payment_cnt_2,c_payment_cnt_1,c_delivery_cn
t_2,c_delivery_cnt_1,c_data);

fprintf(fst6, "%c%c%c%c%c%c%c%c%c%c%
%-14s%c%c%c%c%-24s",
h_c_id_2,h_c_id_1,h_c_d_id_2,h_c_d_id_1,h_c_w
_id_2,h_c_w_id_1,h_d_id_2,h_d_id_1,h_w_id_2,h
_w_id_1,
h_date,h_amount_4,h_amount_3,h_amount_2,h_a
mount_1,h_data);
*/
/* 97-02-18 c_id X short -> int */
/* 1997-02-18 fprintf -> sprintf +
fwrite */
sprintf(customer_cp ,

```

```

customer_cp = customer_cp +
CUSTOMER_SIZE ;
customer_lpcnt = customer_lpcnt +
1 ;

/* 97-02-18 h_c_id X short -> int */
sprintf(history_cp ,
"%c%c%c%c"
"%c%c"
"%c%c"
"%c%c"
"%c%c"
"%-14s"
"%c%c%c%c"
"%-24s",
//
h_c_id_1,h_c_id_2,h_c_id_3,h_c_id_4,
h_c_id_4,h_c_id_3,h_c_id_2,h_c_id_1,
//
h_c_d_id_1,h_c_d_id_2,
h_c_d_id_2,h_c_d_id_1,
//
h_c_w_id_1,h_c_w_id_2,
h_c_w_id_2,h_c_w_id_1,
//
h_d_id_1,h_d_id_2,
h_d_id_2,h_d_id_1,
//
h_w_id_1,h_w_id_2,
h_w_id_2,h_w_id_1,
h_date,
//
h_amount_1,h_amount_2,h_amount_3,h_a
mount_4,
h_amount_4,h_amount_3,h_amount_2,h_a
mount_1,
h_data);

history_cp = history_cp +
HISTORY_SIZE ;
history_lpcnt = history_lpcnt +
1 ;

if ( customer_lpcnt ==
CUSTOMER_COUNT )
{
fwrite(customer_ap
(size_t)CUSTOMER_SIZE ,
(size_t)CUSTOMER_COUNT,
fst5) ;
customer_cp = customer_ap ;
customer_lpcnt = 0 ;
}

if ( history_lpcnt ==
HISTORY_COUNT )
{
fwrite(history_ap
(size_t)HISTORY_SIZE ,
(size_t)HISTORY_COUNT ,
fst6) ;
history_cp = history_ap ;

```

```

history_lpcnt = 0 ;
}
}
filecount++;
}

/* 1997-02-18 fprintf -> sprintf + fwrite */
if ( customer_lpcnt != 0 )
{
fwrite(customer_ap
(size_t)CUSTOMER_SIZE ,
(size_t)customer_lpcnt ,
fst5) ;
}
if ( history_lpcnt != 0 )
{
fwrite(history_ap
(size_t)HISTORY_SIZE ,
(size_t)history_lpcnt ,
fst6) ;
}

/* t@C N [Y*/
fclose(fst5);
fclose(fst6);

/* */
free(customer_ap) ;

/* */
return;
}

/*
* Function : orders()
* Description : orders, order_line, new_order
e [ u [ h .
* Parameters : 1. base_ware, J n
* Parameters : 1. last_ware, l
* Grobals Ref: yyyyymmddhhmss, ^C X ^
v
* Grobals Out : nothing
* Returns : nothing
*/

void
orders(base_ware,last_ware)
int base_ware;
int last_ware;
{
/* */
double d_100 = 100;
int filecount = 1;
int outfilecount;
char filename1[64];
char filename2[64];
char filename3[64];
short d_id;
short w_id;
int o_id;
/* 1997-02-18 fprintf -> sprintf + fwrite */
int orders_lpcnt ; /*
char *orders_ap ; /*

```

```

char *orders_cp ; /*
*/
int orderline_lpcnt ; /*
*/
char *orderline_ap ; /*
*/
char *orderline_cp ; /*
*/

o_all_local = 1;
ol_quantity = 5;
outfilecount = ((base_ware-1)/10) + 1;

/* t@C l [v */
sprintf(filename1 , "%s\\Orders\\%d_%d" ,
D_BASE, base_ware, last_ware);
if ((fst7 = fopen(filename1 , "wb"))==NULL){
printf("wtppcc: err: %s: can't create
file\n" , filename1);
exit(1);
}
sprintf(filename2 , "%s\\NewOrder\\%d_%d" ,
D_BASE, base_ware, last_ware);
if ((fst8 = fopen(filename2 , "wb"))==NULL){
printf("wtppcc: err: %s: can't create
file\n" , filename2);
exit(1);
}
sprintf(filename3 , "%s\\OrderLine\\%d_%d" ,
D_BASE, base_ware, last_ware);
if ((fst9 = fopen(filename3 , "wb"))==NULL){
printf("wtppcc: err: %s: can't create
file\n" , filename3);
exit(1);
}

/* 1997-02-18 fprintf -> sprintf + fwrite */
/* ORDERS e [ u p l */
/* ORDERLINE e [ u p l */
orders_ap = (char
*)malloc((size_t)(ORDERS_SIZE*ORDERS_COU
NT)
+
(ORDERLINE_SIZE*ORDERLINE_COUNT)+4096
);
if ( orders_ap == NULL ) /*
*/
{
/*
*/
printf("Malloc failed.(orders)\n") ; /*
*/
exit(1) ; /*
*/
} /*
*/

orderline_ap = orders_ap +
(ORDERS_SIZE*ORDERS_COUNT) ;
orders_cp = orders_ap ; /*
*/
orderline_cp = orderline_ap ; /*
*/
orders_lpcnt = 0 ; /*
*/
orderline_lpcnt = 0 ; /*
*/

/* w_id J E ^ , count_ware [ v */

```

```

for (w_id = base_ware; w_id <= last_ware;
w_id++){

    fprintf(stderr,"wtppcc: info:
ORDERS/ORDERLINE/NEWORDER %d/%d
processing.\n"

                ,w_id, last_ware);

        /* d_id J E ^ ,
DIST_PER_WARE [ v */
        for (d_id = 1; d_id <=
DIST_PER_WARE; d_id++) {

            /* o_c_id p O [ o
o */
                init_permutation();

            /* o_id 1-ORD_PER_DIST J E ^ ,
ORD_PER_DIST s */
            /* orders e [ u f [ ^ [ h */
            for (o_id = 1; o_id <=
ORD_PER_DIST; o_id++) {

                no_o_id = o_id;
                no_w_id = w_id;
                no_d_id = d_id;
                o_id = o_id;
                o_w_id = w_id;
                o_d_id = d_id;
                o_ol_cnt =
random_number(5, 15);
                strcpy(o_entry_d,
yyymmddhhmmss);
                ol_o_id = o_id;
                ol_w_id = w_id;
                ol_d_id = d_id;
                ol_supply_w_id = w_id;

                /* o_c_id
1997-02-18 */
                /* o_c_id p f [ ^ init_permutation
*/
                /* 1 `CUST_PER_DIST _
l . */
                /* O [ o J E ^ P C N
g */
                counter++;
                /* ocid counter-1 v f
*/
                o_c_id = ocid[counter -
1];

                /* o_id>2100 , l */
                /* O , S l
new_order */
                if (o_id >
(ORD_PER_DIST - NEWWORDS)){
                    /* ocarrier_id
*/
                    /* o_carrier_id =
0x00; */ /* NULL l */
                    /* ordes R [ h o */
                    /*
                    fprintf(fst7,"%d,%d,%d,%d,%-
14s",,%d,%d\n",
o_id,o_d_id,o_w_id,o_c_id,o_entry_d,o_ol_c
nt,o_all_local); */

                    /* orders record o :
X: 96/09/09 fukui */
                    /* ( NULL ) */
                    o_id_1 = o_id /
T256;
                    o_id_2 = (o_id-
(o_id_1*T256))/D256;
                    o_id_3 = (o_id-
(o_id_1*T256)-(o_id_2*D256))/256;
T256;
                    o_id_4 = o_id %
T256;
                    o_d_id_1 = o_d_id /
256;
                    o_d_id_2 =
o_d_id % 256;
                    o_w_id_1 = o_w_id
/ 256;
                    o_w_id_2 =
o_w_id % 256;
                    /* 97-02-18 o_c_id X short->int
*/
                    o_c_id_1 = o_c_id /
T256;
                    o_c_id_2 = (o_c_id-
(o_c_id_1*T256)) / D256;
                    o_c_id_3 = (o_c_id-
(o_c_id_1*T256)-(o_c_id_2*D256))/256;
                    o_c_id_4 =
o_c_id % T256;
                    o_carrier_id_1 =
0x00;
                    o_carrier_id_2 =
0x00;
                    o_ol_cnt_1 =
o_ol_cnt / 256;
                    o_ol_cnt_2 =
o_ol_cnt % 256;
                    o_all_local_1 =
o_all_local / 256;
                    o_all_local_2 =
o_all_local % 256;
                    /*
                    fprintf(fst7,"%c%c%c%c%c%c%c%c%c%c
%c%c%c%c%c%c%c%c%c%c%c-
14s%c%c%c%c%c%c%c%c%c%c%c%c%",
NNUL_V,NNUL_V,o_id_1,o_id_2,o_id_3,o_i
d_4,NNUL_V,NNUL_V,o_d_id_1,o_d_id_2,NNUL
_V,NNUL_V,o_w_id_1,o_w_id_2,NNUL_V,NNUL_V,
o_c_id_1,o_c_id_2,NNUL_V,NNUL_V,o_entry_d,
NUL_V,NUL_V,o_carrier_id_1,o_carrier_id_2,NNU
L_V,NNUL_V,o_ol_cnt_1,o_ol_cnt_2,NNUL_V,NN
UL_V,o_all_local_1,o_all_local_2);
*/
                    /*
                    fprintf(fst7,"%c%c%c%c%c%c%c%c%c%c
%c%c%c%c%c%c%c%c%c%c%c-
14s%c%c%c%c%c%c%c%c%c%c%c%",
NNUL_V,NNUL_V,o_id_4,o_id_3,o_id_2,o_id_1,N
NUL_V,NNUL_V,o_d_id_2,o_d_id_1,NNUL_V,NN
UL_V,
o_w_id_2,o_w_id_1,NNUL_V,NNUL_V,o_c_id_2,o

                _c_id_1,NNUL_V,NNUL_V,o_entry_d,NUL_V,NUL
_V,
o_carrier_id_2,o_carrier_id_1,
o_ol_cnt_2,o_ol_cnt_1,
o_all_local_2,o_all_local_1);
                orders_cp = orders_cp +
ORDERS_SIZE ;
                orders_lpcnt = orders_lpcnt +
1 ;
                /* neworder R [ h
o */
                _c_id_1,NNUL_V,NNUL_V,o_entry_d,NUL_V,NUL
_V,
o_carrier_id_2,o_carrier_id_1,NNUL_V,NNUL_V,
o_ol_cnt_2,o_ol_cnt_1,
o_all_local_2,o_all_local_1);
                /* 97-02-18 o_c_id X short->int
*/
                /* 1997-02-18 fprintf -> sprintf +
fwrite */
                sprintf(orders_cp ,
"%c%c%c%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c%c%c"
"%c%c%c%c%-14s"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c" ,
//
NNUL_V,NNUL_V,o_id_1,o_id_2,o_id_3,o_i
d_4,
NNUL_V,NNUL_V,o_id_4,o_id_3,o_id_2,o_i
d_1,
//
NNUL_V,NNUL_V,o_d_id_1,o_d_id_2,
NNUL_V,NNUL_V,o_d_id_2,o_d_id_1,
//
NNUL_V,NNUL_V,o_w_id_1,o_w_id_2,
NNUL_V,NNUL_V,o_w_id_2,o_w_id_1,
//
NNUL_V,NNUL_V,o_c_id_1,o_c_id_2,o_c_i
d_3,o_c_id_4,
NNUL_V,NNUL_V,o_c_id_4,o_c_id_3,o_c_i
d_2,o_c_id_1,
NNUL_V,NNUL_V,o_entry_d,
//
NUL_V,NUL_V,o_carrier_id_1,o_carrier_id
_2,
NUL_V,NUL_V,o_carrier_id_2,o_carrier_id
_1,
//
NNUL_V,NNUL_V,o_ol_cnt_1,o_ol_cnt_2,
NNUL_V,NNUL_V,o_ol_cnt_2,o_ol_cnt_1,
//
NNUL_V,NNUL_V,o_all_local_1,o_all_local_
2);
NNUL_V,NNUL_V,o_all_local_2,o_all_local_
1);
                orders_cp = orders_cp +
ORDERS_SIZE ;
                orders_lpcnt = orders_lpcnt +
1 ;
                /* neworder R [ h
o */

```



```

/* ol_i_id =
random_number(1, MAXITEMS); */

/* X:961127:K.Fukui: I_ID A X (main Q ) */

ol_i_id =
random_number( 1, MAXSTOCK /
I_ID_Rand_by);
ol_i_id = ol_i_id *
I_ID_Rand_by;

#ifdef DEBUG
printf("wtppcc: TPCRANDBY: debug: ol_i_id
= %d\n",ol_i_id);
#endif

/* X:961127:K.Fukui: (above is all) */

make_alpha_string(24, 24, ol_dist_info);

/* o_id>2100 */
/* ol_amount */
/* O ,
*/
if (o_id >
(CUST_PER_DIST - NEWWORDS)){
ol_amount =
random_number(1, 999999);
/* ol_amount /=
d_100; */
/* ol_delivery_d
= NULL;*/
/* orderline R [ h o
*/
/*
fprintf(fst9, "%d,%d,%d,%d,%d,%d,%d,%d,\
"%-24s"\n",
ol_o_id,ol_d_id,ol_w_id,ol_number,ol_i_id,ol_
_supply_w_id,
ol_quantity,ol_amount,ol_dist_info); */

/* orderline record
o : X: 96/09/09 fukui */
ol_o_id_1 =
ol_o_id / T256;
ol_o_id_2 =
(ol_o_id-(ol_o_id_1*T256))/D256;
ol_o_id_3 =
(ol_o_id-(ol_o_id_1*T256)-(ol_o_id_2*D256))/256;
ol_o_id_4 =
ol_o_id % T256;
ol_d_id_1 =
ol_d_id / 256;
ol_d_id_2 =
ol_d_id % 256;
ol_w_id_1 =
ol_w_id / 256;
ol_w_id_2 =
ol_w_id % 256;
ol_number_1
= ol_number / 256;
ol_number_2
= ol_number % 256;
ol_i_id_1 =
ol_i_id / T256;
ol_i_id_2 =
(ol_i_id-(ol_i_id_1*T256))/D256;
ol_i_id_3 =
(ol_i_id-(ol_i_id_1*T256)-(ol_i_id_2*D256))/256;
ol_i_id_4 =
ol_i_id % T256;
ol_supply_w_id_1 = ol_supply_w_id / 256;
ol_supply_w_id_2 = ol_supply_w_id % 256;
ol_quantity_1
= ol_quantity / 256;
ol_quantity_2
= ol_quantity % 256;
ol_amount_1
= ol_amount / T256;
ol_amount_2
= (ol_amount-(ol_amount_1*T256))/D256;
ol_amount_3
= (ol_amount-(ol_amount_1*T256)-
(ol_amount_2*D256))/256;
ol_amount_4
= ol_amount % T256;
*/
fprintf(fst9, "%c%c%c%c%c%c%c%c%c%c%c%c
%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%
c%c%c%c%c%
14s%c%c%c%c%c%c%c%c%c%c%c%c%c%c%-24s",
NNUL_V,NNUL_V,ol_o_id_1,ol_o_id_2,ol_o
_id_3,ol_o_id_4,NNUL_V,NNUL_V,ol_d_id_1,ol_d
_id_2,NNUL_V,NNUL_V,ol_w_id_1,ol_w_id_2,NN
UL_V,NNUL_V,ol_number_1,ol_number_2,NNUL_
V,NNUL_V,ol_i_id_1,ol_i_id_2,ol_i_id_3,ol_i_id_4,
NNUL_V,NNUL_V,ol_supply_w_id_1,ol_supply_w
_id_2,NUL_V,NUL_V,ol_delivery_d,NNUL_V,NNU
L_V,ol_quantity_1,ol_quantity_2,NNUL_V,NNUL_
V,ol_amount_1,ol_amount_2,ol_amount_3,ol_amo
unt_4,NNUL_V,NNUL_V,ol_dist_info);
*/
/*
fprintf(fst9, "%c%c%c%c%c%c%c%c%c%c%c%c
%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%
c%c%c%c%c%
14s%c%c%c%c%c%c%c%c%c%c%c%c%c%c%-24s",
NNUL_V,NNUL_V,ol_o_id_4,ol_o_id_3,ol_o
_id_2,ol_o_id_1,NNUL_V,NNUL_V,ol_d_id_2,ol_d
_id_1,
NNUL_V,NNUL_V,ol_w_id_2,ol_w_id_1,NN
UL_V,NNUL_V,ol_number_2,ol_number_1,
NNUL_V,NNUL_V,ol_i_id_4,ol_i_id_3,ol_i_i
d_2,ol_i_id_1,
NNUL_V,NNUL_V,ol_supply_w_id_2,ol_sup
ply_w_id_1,NUL_V,NUL_V,ol_delivery_d,
NNUL_V,NNUL_V,ol_quantity_2,ol_quantity
_1,NNUL_V,NNUL_V,
ol_amount_4,ol_amount_3,ol_amount_2,ol_
amount_1,NNUL_V,NNUL_V,ol_dist_info);
*/
/* 1997-02-18 fprintf -> sprintf +
fwrite */
sprintf(orderline_cp ,
ol_i_id_3 =
"%c%c%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c"
"%c%c%c%c%c%-14s"
"%c%c%c%c%c%c"
"%c%c%c%c%c%c%c%c"
"%c%c%c%c%-24s",
//
NNUL_V,NNUL_V,ol_o_id_1,ol_o_id_2,ol_o_id_3,
ol_o_id_4,
NNUL_V,NNUL_V,ol_o_id_4,ol_o_id_3,ol_o_id_2,
ol_o_id_1,
//
NNUL_V,NNUL_V,ol_d_id_1,ol_d_id_2,
NNUL_V,NNUL_V,ol_d_id_2,ol_d
_id_1,
//
NNUL_V,NNUL_V,ol_w_id_1,ol_w_id_2,
NNUL_V,NNUL_V,ol_w_id_2,ol_
w_id_1,
//
NNUL_V,NNUL_V,ol_number_1,ol_number_2,
NNUL_V,NNUL_V,ol_number_2,o
l_number_1,
//
NNUL_V,NNUL_V,ol_i_id_1,ol_i_id_2,ol_i_id_3,ol
_i_id_4,
NNUL_V,NNUL_V,ol_i_id_4,ol_i_i
d_3,ol_i_id_2,ol_i_id_1,
//
NNUL_V,NNUL_V,ol_supply_w_id_1,ol_supply_w
_id_2,
NNUL_V,NNUL_V,ol_supply_w_i
d_2,ol_supply_w_id_1,
NUL_V,NUL_V,ol_delivery_d,
//
NNUL_V,NNUL_V,ol_quantity_1,ol_quantity_2,
NNUL_V,NNUL_V,ol_quantity_2,
ol_quantity_1,
NNUL_V,NNUL_V,
//
ol_amount_1,ol_amount_2,ol_amount_3,ol_amo
unt_4,
ol_amount_4,ol_amount_3,ol_a
mount_2,ol_amount_1,
NNUL_V,NNUL_V,ol_dist_info);
orderline_cp = orderline_cp +
ORDERLINE_SIZE ;
orderline_lpcnt = orderline_lpcnt +
1 ;
} else {
ol_amount =
0;
strcpy(ol_delivery_d, yyyyymmddhhmmss);
/* orderline R [ h o
*/
/*
fprintf(fst9, "%d,%d,%d,%d,%d,%d,%d,%d,\
"%-24s"\n",
ol_o_id,ol_d_id,ol_w_id,ol_number,ol_i_id,ol_
_supply_w_id,
ol_quantity,ol_amount,ol_dist_info);
*/

```

```

ol_delivery_d,ol_quantity,ol_amount,ol_dist_
info); */

/* orderline
record o : X: 96/09/09 fukui */

ol_o_id / T256;
(ol_o_id-(ol_o_id_1*T256))/D256;
(ol_o_id-(ol_o_id_1*T256)-(ol_o_id_2*D256))/256;
ol_o_id % T256;
ol_d_id / 256;
ol_d_id % 256;
ol_w_id / 256;
ol_w_id % 256;
= ol_number / 256;
= ol_number % 256;
ol_i_id / T256;
(ol_i_id-(ol_i_id_1*T256))/D256;
(ol_i_id-(ol_i_id_1*T256)-(ol_i_id_2*D256))/256;
ol_i_id % T256;

ol_supply_w_id_1 = ol_supply_w_id / 256;
ol_supply_w_id_2 = ol_supply_w_id % 256;
= ol_quantity / 256;
= ol_quantity % 256;
= ol_amount / T256;
= (ol_amount-(ol_amount_1*T256))/D256;
= (ol_amount-(ol_amount_1*T256)-
(ol_amount_2*D256))/256;
= ol_amount % T256;

/*
fprintf(fst9, "%c%c%c%c%c%c%c%c%c%c%c%c%
%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%
c%c%c%c%c%-
14s%c%c%c%c%c%c%c%c%c%c%c%c%c%c%-24s",
NNUL_V,NNUL_V,ol_o_id_1,ol_o_id_2,ol_o
_id_3,ol_o_id_4,NNUL_V,NNUL_V,ol_d_id_1,ol_d
_id_2,NNUL_V,NNUL_V,ol_w_id_1,ol_w_id_2,NN
UL_V,NNUL_V,ol_number_1,ol_number_2,NNUL_
V,NNUL_V,ol_i_id_1,ol_i_id_2,ol_i_id_3,ol_i_id_4,
NNUL_V,NNUL_V,ol_supply_w_id_1,ol_supply_w
_id_2,NNUL_V,NNUL_V,ol_delivery_d,NNUL_V,N
NUL_V,ol_quantity_1,ol_quantity_2,NNUL_V,NNU
L_V,ol_amount_1,ol_amount_2,ol_amount_3,ol_a
mount_4,NNUL_V,NNUL_V,ol_dist_info);
*/

```

```

/*
fprintf(fst9, "%c%c%c%c%c%c%c%c%c%c%c%c%
%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%
c%c%c%c%c%-
14s%c%c%c%c%c%c%c%c%c%c%c%c%c%c%c%-24s",
NNUL_V,NNUL_V,ol_o_id_4,ol_o_id_3,ol_o
_id_2,ol_o_id_1,NNUL_V,NNUL_V,ol_d_id_2,ol_d
_id_1,
NNUL_V,NNUL_V,ol_w_id_2,ol_w_id_1,NN
UL_V,NNUL_V,ol_number_2,ol_number_1,
NNUL_V,NNUL_V,ol_i_id_4,ol_i_id_3,ol_i_i
d_2,ol_i_id_1,NNUL_V,NNUL_V,
ol_supply_w_id_2,ol_supply_w_id_1,NNUL_
V,NNUL_V,ol_delivery_d,NNUL_V,NNUL_V,
ol_quantity_2,ol_quantity_1,NNUL_V,NNUL
_V,ol_amount_4,ol_amount_3,ol_amount_2,ol_a
mount_1,
NNUL_V,NNUL_V,ol_dist_info);
*/
/* 1997-02-18 fprintf -> sprintf +
fwrite */
sprintf(orderline_cp,
"%c%c""%c%c%c%c%c"
"%c%c""%c%c"
"%c%c""%c%c"
"%c%c""%c%c"
"%c%c""%c%c%c%c"
"%c%c""%c%c"
"%c%c""-14s"
"%c%c""%c%c"
"%c%c""%c%c%c%c"
"%c%c""%-24s",
//
NNUL_V,NNUL_V,ol_o_id_1,ol_o_id_2,ol_o_id_3,
ol_o_id_4,
NNUL_V,NNUL_V,ol_o_id_4,ol_o_id_3,ol_o_id_2,
ol_o_id_1,
//
NNUL_V,NNUL_V,ol_d_id_1,ol_d_id_2,
NNUL_V,NNUL_V,ol_d_id_2,ol_d
_id_1,
//
NNUL_V,NNUL_V,ol_w_id_1,ol_w_id_2,
NNUL_V,NNUL_V,ol_w_id_2,ol_w_id_1,
//
NNUL_V,NNUL_V,ol_number_1,ol_number_2,ol
_number_1,
//
NNUL_V,NNUL_V,ol_i_id_1,ol_i_id_2,ol_i_id_3,ol
_i_id_4,
NNUL_V,NNUL_V,ol_i_id_4,ol_i_i
d_3,ol_i_id_2,ol_i_id_1,
//
NNUL_V,NNUL_V,ol_supply_w_id_1,ol_supply_w
_id_2,
NNUL_V,NNUL_V,ol_supply_w_i
d_2,ol_supply_w_id_1,

```

```

NNUL_V,NNUL_V,ol_delivery_d,
//
NNUL_V,NNUL_V,ol_quantity_1,ol_quantity_2,
NNUL_V,NNUL_V,ol_quantity_2,
ol_quantity_1,
NNUL_V,NNUL_V,
//
ol_amount_1,ol_amount_2,ol_amount_3,ol_amo
unt_4,
ol_amount_4,ol_amount_3,ol_a
mount_2,ol_amount_1,
NNUL_V,NNUL_V,ol_dist_info);

orderline_cp = orderline_cp +
ORDERLINE_SIZE ;
orderline_lpcnt = orderline_lpcnt +
1;
}
/* 1997-02-18 fprintf -> sprintf + fwrite
*/
if (orderline_lpcnt ==
ORDERLINE_COUNT )
{
fwrite(orderline_ap
(size_t)ORDERLINE_SIZE ,
(size_t)ORDERLINE_COUNT ,
fst9) ;
orderline_cp = orderline_ap ;
orderline_lpcnt = 0 ;
}
}
filecount++;
}
/* 1997-02-18 fprintf -> sprintf + fwrite */
if (orders_lpcnt != 0 )
{
fwrite(orders_ap
(size_t)ORDERS_SIZE ,
(size_t)orders_lpcnt ,
fst7) ;
}
if (orderline_lpcnt != 0 )
{
fwrite(orderline_ap
(size_t)ORDERLINE_SIZE ,
(size_t)orderline_lpcnt ,
fst9) ;
}
/* t@C N [Y*/
fclose(fst7);
fclose(fst8);
fclose(fst9);

/* */
free(orders_ap) ;

/* */
return;
}
/*

```

```

* Function : make_address()
* Description : Z f [ ^ .
* Parameters : 1. str1, n1(X V 21 )
*              2. str2, n2(X V
21 )
*              3. city, s (X V
21 )
*              4. state, s { (X V
3 )
*              5. zip, X (X V
10 )
* Grobals Ref: nothing
* Grobals Out : nothing
* Returns : nothing
*/

void
make_address(str1, str2, city, state, zip)
char *str1;
char *str2;
char *city;
char *state;
char *zip;
{
    /* street1 f [ ^, 10-20 p */
    make_alpha_string(10, 20, str1);

    /* street2 f [ ^, 10-20 p */
    make_alpha_string(10, 20, str2);

    /* city f [ ^, 10-20 p */
    make_alpha_string(10, 20, city);

    /* state f [ ^, 2 p */
    make_alpha_string(2, 2, state);

    /* zip f [ ^, 9 p */
    make_number_string(9, 9, zip);

    return;
}

/*
* Function : lastname()
* Description : lastname f [ ^ .
* Parameters : 1. num, 000-999 |
*              2. name, f [ ^ i [ | C ^
* Grobals Ref: nothing
* Grobals Out : nothing
* Returns : nothing
*/

void
lastname(num, name)
int num;
char *name;
{
    /* z syllable c_last O \ 10 i
[ */
    static char *syllable[] = {
        "BAR", "OUGHT", "ABLE",
        "PRI", "PRES",
        "ESE", "ANTI", "CALLY",
        "ATION", "EING"
    };

    /* syllable[ p ^ 100 ] name R s
[ */

```

```

strcpy(name, syllable[num / 100]);

/* syllable[ p ^ 10 ] name R s
[ */
strcpy(name, syllable[(num / 10) % 10]);

/* syllable[ p ^ 1 ] name R s [ */
strcpy(name, syllable[num % 10]);

return;
}

/*
* Function : make_alpha_string()
* Description : _ p .
* Parameters : 1. num1, _ p
*              2. num2, _ p
*              3. str, f [ ^ i [ | C ^
* Grobals Ref: nothing
* Grobals Out : nothing
* Returns : int, _ p
*/

int
make_alpha_string(num1, num2, str)
int num1;
int num2;
char *str;
{
    int len;
    int i;
    short rnum;

    /* _ p num1-num2
*/
    if (num1 == num2) {
        len = num1;
    } else {
        len = random_number(num1, num2);
    }

    /* p J */
    for (i = 0; i < len; i++) {
#ifdef rand_str
        /* 0-61 */
        rnum = random_number(0, 61);

        /* 0-25 , p 'a'==x61 (0:a,
1:b, .. , 25:z) */
        if ((0 <= rnum) && (rnum <= 25)) {
            str[i] = 'a' + rnum;

            /* 26-51 , p 'A'==x41
(26:A, 27:B, .. , 51:Z) */
            } else if ((26 <= rnum) && (rnum <=
51)) {
                str[i] = 'A' + rnum - 26;

                /* 52-61 , '0'==x30 (52:0,
53:1, .. , 61:9) */
                } else if ((52 <= rnum) && (rnum <=
61)) {
                    str[i] = '0' + rnum - 52;
                }
            }
        #else
        /* 980818 K.Sugiyama p E p E */
        /* 980803 K.Sugiyama p E p */

```

```

// str[i] =
(char)((rand()*32768+rand())%26+'a');
/* 0-61 */
rnum = rand()%61;

/* 0-25 , p 'a'==x61 (0:a,
1:b, .. , 25:z) */
if ((0 <= rnum) && (rnum <= 25)) {
    str[i] = 'a' + rnum;

    /* 26-51 , p 'A'==x41
(26:A, 27:B, .. , 51:Z) */
    } else if ((26 <= rnum) && (rnum <=
51)) {
        str[i] = 'A' + rnum - 26;

        /* 52-61 , '0'==x30 (52:0,
53:1, .. , 61:9) */
        } else if ((52 <= rnum) && (rnum <=
61)) {
            str[i] = '0' + rnum - 52;
        }
    }
/* 980803 K.Sugiyama p E p */
/* 980818 K.Sugiyama p E p E */
#endif
}

/* k [ - l [ g */
/* if (num1 != num2) */
str[len] = '\0';
/* */

/* _ p l */
return(len);
}

/*
* Function : make_number_string()
* Description : _ .
* Parameters : 1. num1, _
*              2. num2, _
*              3. str, f [ ^ i [ | C ^
* Grobals Ref: nothing
* Grobals Out : nothing
* Returns : int, _
*/

int
make_number_string(num1, num2, str)
int num1;
int num2;
char *str;
{
    int len;
    int i;
    short rnum;

    /* _ p num1-num2
*/
    if (num1 == num2) {
        len = num1;
    } else {
        len = random_number(num1, num2);
    }

    /* p J */
    for (i = 0; i < len; i++) {
#ifdef rand_str
        /* 0-61 */
        rnum = random_number(0, 61);

        /* 0-25 , p 'a'==x61 (0:a,
1:b, .. , 25:z) */
        if ((0 <= rnum) && (rnum <= 25)) {
            str[i] = 'a' + rnum;

            /* 26-51 , p 'A'==x41
(26:A, 27:B, .. , 51:Z) */
            } else if ((26 <= rnum) && (rnum <=
51)) {
                str[i] = 'A' + rnum - 26;

                /* 52-61 , '0'==x30 (52:0,
53:1, .. , 61:9) */
                } else if ((52 <= rnum) && (rnum <=
61)) {
                    str[i] = '0' + rnum - 52;
                }
            }
        #else
        /* 980818 K.Sugiyama p E p E */
        /* 980803 K.Sugiyama p E p */

```

```

/* 0-9 */
rnum = random_number(0, 9);

/* 0-9 str i[ */
str[i] = '0' + rnum;
#else
str[i] = (char)((rand()*32768+rand())%10+'0');
#endif
}
/* k ^[-l[g */
str[len] = '\0';

/* _ p l */
return(len);
}

/*
 * Function : random_number()
 * Description : _ l .
 * Parameters : 1. num1, _ l l
 *              2. num2, _ l l
 * Grobals Ref: nothing
 * Grobals Out : nothing
 * Returns : int, _ l
 */
#ifdef call_rand
/* 1997-02-18 mac */
int
random_number(num1, num2)
int num1;
int num2;
{
    int value;

    /* num1-num2 */
    // value = rand48() % (num2 - num1 + 1) +
    num1;

    value = (rand()*32768+rand()) % ( num2 - num1
+1 ) + num1;

    return(value);
}
#endif
/*
 * Function : set_seed()
 * Description : _ l .
 * Parameters : 1. seedval, \ l
 * Grobals Ref: nothing
 * Grobals Out : nothing
 * Returns : nothing
 */
void
set_seed(seedval)
int seedval;
{
    /* */
    // srand48(seedval);
    srand(seedval);

    return;
}

/*
 * Function : nurand()

```

```

 * Description : l _ l .
 * Parameters : 1. a, v Z p
 *              2. x, l _ l l
 *              3. y, l _ l l
 * Grobals Ref: nothing
 * Grobals Out : nothing
 * Returns : nothing
 */
/* 1997-02-18 TAB ID 221(c_last NURand C)
C */
int
nurand(a, x, y, c)
int a;
int x;
int y;
int c;
{
    int value;

    /* l _ l */
    value = (((random_number(0, a) |
random_number(x, y)) + c) %
(y - x + 1)) + x;

    /* l _ l l */
    return(value);
}

/*
 * Function : init_permutation()
 * Description : o_c_id p 1 `CUST_PER_DIST
_
 * Parameters : nothing
 * Grobals Ref: nothing
 * Grobals Out : 1. ocid, o_c_id p z
 *              2. counter, O [o J E ^
 * Returns : nothing
 */
void
init_permutation()
{
    short cnt;
    short replace;
    short work;

    /* O [o ocid 1-CUST_PER_DIST
*/
    for (cnt = 0; cnt < CUST_PER_DIST;
cnt++){
        ocid[cnt] = cnt + 1;
    }

    /* ocid z v f _ */
    for (cnt = 0; cnt < CUST_PER_DIST;
cnt++){
        replace = random_number(1,
CUST_PER_DIST);
        work = ocid[cnt];
        ocid[cnt] = ocid[replace - 1];
        ocid[replace - 1] = work;
    }

    /* O [o J E ^ */
    counter = 0;
}

```

```

/*
 * Function : get_permutation()
 * Description : o_c_id p f [ ^
init_permutation
 *              1 `CUST_PER_DIST _
l .
 * Parameters : nothing
 * Grobals Ref: nothing
 * Grobals Out : nothing
 * Returns : int, l o_c_id l
 */
int
get_permutation()
{
    /* O [o J E ^ P C N g */
    counter++;
    /* ocid counter-1 v f */
    return(ocid[counter - 1]);
}

```



## Appendix F: 180 Day Space Calculation

Note : Numbers are in KBytes unless otherwise specified						
Warehouses		2160	tpmC	25440.6	tpmC/W	11.78
<b>Table</b>	<b>Rows</b>	<b>Data</b>	<b>Index</b>	<b>5% Space</b>	<b>8H Space</b>	<b>Total Space</b>
Warehouse	2,232	2,267	0	113		2,380
District	22,320	22,382	0	1,119		23,501
Item	100,000	14,288	0	714		15,002
New-order	20,088,000	2,036,700	579,328	130,801		2,746,829
History	66,960,000	579,328	0		105,652	684,980
Orders	66,960,000	4,482,972	1,694,336		1,126,555	7,303,863
Customer	66,960,000	53,569,116	1,604,568	2,758,684		57,932,368
Order-line	669,578,667	72,222,672	0		13,171,241	85,393,913
Stock	223,200,000	99,200,310	0	4,960,016		104,160,326
DIRECTORY FILE		25,165,824				25,165,824
Dictionary		104,857,600				104,857,600
<b>Totals</b>		362,153,459	3,878,232	7,851,448	14,403,448	388,286,587

Table	Freespace
Warehouse	84,471
District	28,489
Item	715
New-order	976,624
History	1,330,272
Orders	1,263,312
Customer	2,678,400
Order-line	17,460,824
Stock	4,960,000
<b>Indexes</b>	<b>2672936</b>
<b>Total</b>	<b>31,456,043</b>

<b>Dynamic space</b>	77,284,972	Sum of Data for Order, Order-Line and History (excluding free extents)
<b>Static space</b>	296,618,903	Data + Index + 5% Space + Overhead - Dynamic space
<b>Free space</b>	23,604,595	
<b>Daily growth</b>	14,564,267	(Dynamic space/W * 62.5) * tpmC
<b>Daily spread</b>	1,758,194	Free-Space - 1.5 * Daily-Growth
<b>180 day (KB)</b>	3,234,661,973	2,918,186,981
<b>180 day (GB)</b>	3,084.81	2,783.00 <- Assumes no Daily Spread
<b>Maximum</b>	21,846,400.65	free space allowed

Measured Configuration			Space Usage	
Type	Number	Total GB	Usage	Size (GB)
9GB Drives	84	711.48	180-day Space	3,084.81
18GB Drives	145	2457.75	Root,swap,usr	0.78
Totals	229.00	3,169.23	Log	135.58
			Total	3,221.17
			Deficit	51.94

MB log used	9496.7012		
Total N-O Txn	1741814		
KB log / Txn	5.5830		
8 Hour Log (GB)	65.02		
After image Log [GB]	3.99		
Before image Log	1.95		
Log index	0.05		
Log disks [9GB]	4	8Hour Log + ( BI Log*mr )	
Log disks [18GB]	6	AI Log*mr + IX LOG*mr	
Extra log space	58.58		
Deficit after including excess log space			-6.64

Disk Capacities		
	9GB-DISK	8.47
	18GB-DISK	16.95

Non-DB space used		
OS (root+etc)	0.53	OS_disk - DIRECTORY FILE
Swap	0.25	

## Appendix G: Distribution of Tables and Log

Disk No.	Partition	Using	Capacity
0	C: NTFS	Operating System SWAP SymfoWARE DICTIONARY	4095MB
1	D: NTFS	DIRECTORY FILE	8676MB
2	E: NTFS	After Image LOG (Mirror set)	8676MB
3	F: NTFS	Before Image LOG (Mirror set)	3098MB
4	G: NTFS	LOG Index (Mirror set)	510MB
5		-	8676MB
6	E: NTFS	After Image LOG (Mirror set)	8676MB
7	F: NTFS	Before Image LOG (Mirror set)	3098MB
8	G: NTFS	LOG Index (Mirror set)	510MB
9	H: NTFS	Archive LOG (Stripe set)	17366MB
10	H: NTFS	Archive LOG (Stripe set)	17366MB
11	H: NTFS	Archive LOG (Stripe set)	17366MB
12	H: NTFS	Archive LOG (Stripe set)	17366MB
13		Striping L	8683MB
14		Striping A	8683MB
15		Striping L	8683MB
16		Striping K	17366MB
17		Striping J	8683MB
18		Striping I	8683MB
19		Striping O	8683MB
20		Striping N	8683MB
21		Striping M	8683MB
22		Striping B	8683MB
23		Striping M	8683MB
24		Striping L	17366MB
25		Striping K	8683MB
26		Striping J	8683MB
27		Striping I	8683MB
28		Striping O	8683MB
29		Striping N	8683MB
30		Striping C	8683MB
31		Striping N	8683MB
32		Striping M	8683MB

Disk No.	Partition	Using	Capacity
33		Striping L	8683MB
34		Striping K	8683MB
35		Striping J	8683MB
36		Striping I	8683MB
37		Striping O	8683MB
38		Striping D	8683MB
39		Striping O	8683MB
40		Striping N	8683MB
41		Striping M	8683MB
42		Striping L	8683MB
43		Striping K	8683MB
44		Striping J	8683MB
45		Striping I	8683MB
46		Striping E	8683MB
47		Striping I	8683MB
48		Striping O	8683MB
49		Striping N	8683MB
50		Striping M	8683MB
51		Striping L	8683MB
52		Striping K	8683MB
53		Striping J	8683MB
54		Striping F	8683MB
55		Striping J	8683MB
56		Striping I	8683MB
57		Striping O	8683MB
58		Striping N	8683MB
59		Striping M	8683MB
60		Striping L	8683MB
61		Striping K	8683MB
62		Striping G	8683MB
63		Striping K	8683MB
64		Striping J	8683MB
65		Striping I	8683MB
66		Striping O	8683MB
67		Striping N	8683MB
68		Striping M	8683MB
69		Striping L	8683MB
70		Striping H	8683MB
71		Striping L	8683MB
72		Striping K	8683MB
73		Striping J	8683MB
74		Striping I	8683MB
75		Striping O	8683MB
76		Striping N	8683MB
77		Striping M	8683MB
78		Striping B	8683MB
79		Striping M	8683MB
80		Striping L	8683MB
81		Striping K	8683MB
82		Striping J	8683MB

Disk No.	Partition	Using	Capacity
83		Striping I	8683MB
84		Striping O	8683MB
85		Striping N	8683MB
86		Striping C	8683MB
87		Striping N	8683MB
88		Striping M	8683MB
89		Striping L	8683MB
90		Striping K	8683MB
91		Striping J	8683MB
92		Striping I	8683MB
93		Striping O	8683MB
94		Striping I	8683MB
95		Striping O	8683MB
96		Striping N	8683MB
97		Striping M	8683MB
98		Striping L	8683MB
99		Striping K	8683MB
100		Striping J	8683MB
101		Striping I	8683MB
102		Striping J	8683MB
103		Striping I	8683MB
104		Striping O	8683MB
105		Striping N	8683MB
106		Striping M	8683MB
107		Striping L	8683MB
108		Striping K	8683MB
109		Striping J	8683MB
110		Striping K	8683MB
111		Striping J	8683MB
112		Striping I	8683MB
113		Striping O	8683MB
114		Striping N	8683MB
115		Striping M	8683MB
116		Striping L	8683MB
117		Striping K	8683MB
118		Striping L	8683MB
119		Striping K	8683MB
120		Striping J	8683MB
121		Striping I	8683MB
122		Striping O	8683MB
123		Striping N	8683MB
124		Striping M	8683MB
125		Striping L	8683MB
126		Striping M	8683MB
127		Striping L	8683MB
128		Striping K	8683MB
129		Striping J	8683MB
130		Striping I	8683MB
131		Striping O	8683MB
132		Striping N	8683MB

Disk No.	Partition	Using	Capacity
133		Striping M	8683MB
134		Striping N	8683MB
135		Striping M	8683MB
136		Striping L	8683MB
137		Striping K	8683MB
138		Striping J	8683MB
139		Striping I	8683MB
140		Striping O	8683MB
141		Striping N	8683MB
142		Striping O	8683MB
143		Striping N	8683MB
144		Striping M	8683MB
145		Striping L	8683MB
146		Striping K	8683MB
147		Striping J	8683MB
148		Striping I	8683MB
149		Striping O	8683MB
150		Striping I	8683MB
151		Striping O	8683MB
152		Striping N	8683MB
153		Striping M	8683MB
154		Striping L	8683MB
155		Striping K	8683MB
156		Striping J	8683MB
157		Striping I	8683MB
158		Striping J	8683MB
159		Striping I	8683MB
160		Striping O	8683MB
161		Striping N	8683MB
162		Striping M	8683MB
163		Striping L	8683MB
164		Striping K	8683MB
165		Striping J	8683MB
166		Striping K	8683MB
167		Striping J	8683MB
168		Striping I	8683MB
169		Striping O	8683MB
170		Striping N	8683MB
171		Striping M	8683MB
172		Striping L	8683MB
173		Striping K	8683MB
174		Striping L	8683MB
175		Striping K	8683MB
176		Striping J	8683MB
177		Striping I	8683MB
178		Striping O	8683MB
179		Striping N	8683MB
180		Striping M	8683MB
181		Striping L	8683MB
182		Striping M	8683MB

Disk No.	Partition	Using	Capacity
183		Striping L	8683MB
184		Striping K	8683MB
185		Striping J	8683MB
186		Striping I	8683MB
187		Striping O	8683MB
188		Striping N	8683MB
189		Striping M	8683MB
190		Striping N	8683MB
191		Striping M	8683MB
192		Striping L	8683MB
193		Striping K	8683MB
194		Striping J	8683MB
195		Striping I	8683MB
196		Striping O	8683MB
197		Striping N	8683MB
198		Striping O	8683MB
199		Striping N	8683MB
200		Striping M	8683MB
201		Striping L	8683MB
202		Striping K	8683MB
203		Striping J	8683MB
204		Striping I	8683MB
205		Striping O	8683MB
206		Striping I	8683MB
207		Striping O	8683MB
208		Striping N	8683MB
209		Striping M	8683MB
210		Striping L	8683MB
211		Striping K	8683MB
212		Striping J	8683MB
213		Striping I	8683MB
214		Striping J	8683MB
215		Striping I	8683MB
216		Striping O	8683MB
217		Striping N	8683MB
218		Striping M	8683MB
219		Striping L	8683MB
220		Striping K	8683MB
221		Striping J	8683MB
222		Striping K	8683MB
223		Striping J	8683MB
224		Striping I	8683MB
225		Striping O	8683MB
226		Striping N	8683MB
227		Striping M	8683MB
228		Striping L	8683MB
229		Striping K	8683MB

Striping A	
Table name	Size(Kbytes)
NewOrder	13894
NewOrder	6416
Index	
District	1641
Orders	26478
Orders Index	16272
Stock	228572
Stock	228572
Customer	259208
Customer Index	8088
OrderLine	361632
OrderLine	51656
History	30336
Item	2151

Striping B	
Table name	Size(Kbytes)
NewOrder	10775
NewOrder	3478
NewOrder	4632
Index	
NewOrder	1776
Index	
WareHouse	2798
Orders	19863
Orders	6630
Orders Index	11504
Orders Index	4768
Stock	228572
Stock	228572
Customer	194401
Customer	64807
Customer Index	5920
Customer Index	2168
OrderLine	361632
OrderLine	51656
History	22752
History	7584
Item	1428

Striping C	
Table name	Size(Kbytes)
NewOrder	13885
NewOrder	6184
Index	
Orders	26477
Orders Index	15344
Stock	228572
Stock	228572
Customer	259199
Customer Index	7896
OrderLine	361632
OrderLine	51656
History	30336
Item	1428

Striping D	
Table name	Size(Kbytes)
NewOrder	6938
NewOrder	6947
NewOrder	3088
Index	
NewOrder	3320
Index	
Orders	13234
Orders	13235
Orders Index	7664
Orders Index	8600
Stock	228572
Stock	228572
Customer	129603
Customer	129604
Customer Index	3944
Customer Index	4136
OrderLine	361632
OrderLine	51656
History	15168
History	15168
Item	1428

Striping E	
Table name	Size(Kbytes)
NewOrder	13885
NewOrder	6184
Index	
Orders	26477
Orders Index	15344
Stock	228572
Stock	228572
Customer	259199
Customer Index	7896
OrderLine	361632
OrderLine	51656
History	30336
Item	1428

Striping F	
Table name	Size(Kbytes)
NewOrder	3469
NewOrder	10416
NewOrder	1544
Index	
NewOrder	4864
Index	
Orders	6629
Orders	19864
Orders Index	3832
Orders Index	12440
Stock	308573
Stock	228572
Customer	64806
Customer	194402
Customer Index	1976
Customer Index	6120
OrderLine	361632
OrderLine	51656
History	7584
History	22752
Item	1428



Striping G	
Table name	Size(Kbytes)
NewOrder	13885
NewOrder	6184
Index	
Orders	26477
Orders Index	15336
Stock	228572
Stock	308573
Customer	259207
Customer Index	7888
OrderLine	361632
OrderLine	51656
History	30336
Item	1428

Striping H	
Table name	Size(Kbytes)
NewOrder	13894
NewOrder	6416
Index	
District	1641
Orders	26478
Orders Index	16272
Stock	228572
Stock	228572
Customer	259208
Customer Index	8088
OrderLine	361632
OrderLine	51656
History	30336
Item	1428

Striping I	
Table name	Size(Kbytes)
NewOrder	6938
NewOrder	6947
NewOrder	3088
Index	
NewOrder	3320
Index	
Orders	13234
Orders	13235
Orders Index	7664
Orders Index	8600
Stock	228572
Stock	228572
Customer	129603
Customer	129604
Customer Index	3944
Customer Index	4136
OrderLine	361632
OrderLine	51656
History	15168
History	15168

Striping J	
Table name	Size(Kbytes)
NewOrder	13885
NewOrder	6184
Index	
Orders	26477
Orders Index	15344
Stock	228572
Stock	228572
Customer	259199
Customer Index	7896
OrderLine	361632
OrderLine	51656
History	30336

Striping K	
Table name	Size(Kbytes)
NewOrder	3469
NewOrder	10416
NewOrder	1544
Index	
NewOrder	4864
Index	
Orders	6629
Orders	19864
Orders Index	3832
Orders Index	12440
Stock	308573
Stock	228572
Customer	64806
Customer	194402
Customer Index	1976
Customer Index	6120
OrderLine	361632
OrderLine	51656
History	7584
History	22752

Striping L	
Table name	Size(Kbytes)
NewOrder	13885
NewOrder	6184
Index	
Orders	26477
Orders Index	15336
Stock	228572
Stock	308573
Customer	259207
Customer Index	7888
OrderLine	361632
OrderLine	51656
History	30336

Striping M	
Table name	Size(Kbytes)
NewOrder	13894
NewOrder	6416
Index	
District	1641
Orders	26478
Orders Index	16272
Stock	228572
Stock	228572
Customer	259208
Customer Index	8088
OrderLine	361632
OrderLine	51656
History	30336

Striping N	
Table name	Size(Kbytes)
NewOrder	10775
NewOrder	3478
NewOrder	4632
Index	
NewOrder	1776
Index	
WareHouse	2798
Orders	19863
Orders	6630
Orders Index	11504
Orders Index	4768
Stock	228572
Stock	228572
Customer	194401
Customer	64807
Customer Index	5920
Customer Index	2168
OrderLine	361632
OrderLine	51656
History	22752
History	7584

Striping O	
Table name	Size(Kbytes)
NewOrder	13885
NewOrder	6184
Index	
Orders	26477
Orders Index	15344
Stock	228572
Stock	228572
Customer	259199
Customer Index	7896
OrderLine	361632
OrderLine	51656
History	30336

# Appendix H: Price Quotes

99- 7-16;13:51 ;BEA Systems Japan

:0452241267

# 2/



July 12, 1999

FUJITSU LIMITED  
Tokyo, Japan

Gentlemen:

Per your request I am enclosing the pricing information regarding TUXEDO 6.x that you requested. This pricing applies to Tuxedo 6.1, 6.2, 6.3, 6.4 and 6.5. Please note that Tuxedo 6.5 is our most recent version of Tuxedo but that all 6.x releases are generally available. Core functionality services pricing is appropriate for your activities. As per the table below, Fujitsu server systems are classified in one of 5 tiers based on CPU type and capacity.

This pricing quotation will be valid through November 11, 1999.

**Tuxedo Core Functionality Services (CFS) Program Product Pricing and Description**

TUX-CFS provides a basic level of middleware support for distributed computing, and is best used by organizations with substantial resources and knowledge for advanced distributed computing implementations.

TUX-CFS prices are server only and are based on the overall performance characteristics of the server and uses the same five tier computer classification as TUXEDO 6.x. Prices range from \$3,000 for Tier 1 to \$250,000 for Tier 5. Under this pricing option EVERY system running TUX-CFS at the user site must have a TUXEDO license installed and pay the appropriate per server license fees.

**BEA Tux/CFS Version 6.x Unlimited User License Fees Per Server**

Unlimited User License fees per server	Number of Users	Dollar Amount	Maintenance (5 x 8) per year	Maintenance (7 x 24) per year
Tier 1 -- PC Servers with 1 or 2 CPUs, entry level RISC Uni-processor workstations and servers	Unlimited	\$3,000.00	\$450.00	\$660.00
Tier 2 -- PC Servers with 3 or 4 CPUs, Midrange RISC Uni-processor servers and workstations	Unlimited	\$12,000.00	\$1,800.00	\$2,640.00
Tier 3 -- Midrange Multiprocessors, up to 8 CPUs per system capacity	Unlimited	\$30,000.00	\$4,500.00	\$6,600.00
Tier 4 -- Large (more than 8, less than 32 CPUs) and Mainframe Systems	Unlimited	\$100,000.00	\$15,000.00	\$22,000.00
Tier 5 -- Massively Parallel Systems, > 32 processors; All Mainframes	Unlimited	\$250,000.00	\$37,500.00	\$55,000.00

10/31/97

BEA SYSTEMS, INC.

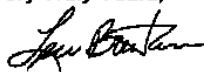
Intel based server tier classifications;

Platform	Operating System	Tier 1	Tier 1	Tier 2	Tier 3	Tier 3
Intel Pentium/ Pentium Pro PCs	Interactive R3.2 ESIX SVR 4.0 SCO UNIX 3.2.2 and 3.2.4 SCO ODT 2.x,3.x Solaris x86 2.X UnxWare, Windows NT 3.5/4.0	All 386/486 PCs are Class 1	ALL Pentium and Pentium Pro PCs with 1 or 2 CPUs capacity are Tier 1	ALL Pentium and Pentium Pro PCs with 3 or 4 CPUs capacity are Tier 2		ALL Pentium and Pentium Pro PCs with 5,6,7, or 8 CPUs are Tier 3

Sun Microsystems Server Tier classifications

Tier 1	Tier 2	Tier 3	Tier 3	Tier 4	Tier 5
Class 2	Class 3	Class 4	Class 5	Class 6	Class 7
Station 5/85 Station 4 Station 20/50 Station 20/51 Station 20/61 Ultra 1 140/170 Server 470 Server 5/70 Server 20/50 Server 20/51 Server 20/61 Ultra 2 Desktop Ultra 5 Ultra 10, 10S	Server 5/85 Station 20/71 Server 20/71 Ultra Enterprise 1 & 150 Ultra Enterprise 2 -2100,2200 Ultra 60	Station 20/502 MP 20/612 MP 20/514 MP 20/HS11 20/712 MP Server 1000 Server 1000E Server 20/502 Server 20/712 Server 20/612 Server 20/514 Ultra Enterprise 2 -2300 Ultra 450	SparcCenter 1000 Ultra Enterprise 3000 Ultra Enterprise 4000 & 5000 < 8 proc.	SparcCenter 2000 SparcCenter 2000E Ultra Enterprise 4000 & 5000 & 6000 Between 8 and 32 proc.  CRS6400 (< 32 proc.)	CRS6400 (>=32 proc.) Ultra Enterprise 6000 (>=32 proc.) Ultra Enterprise 10000 (all systems)

Very Truly Yours,



Lewis D. Brentano,  
Director, Market Planning

JUL-16 99 16:19 FROM:AMDAHL/JANICEGOODMAN 7468275 TO:901181454733744 PAGE:02  
 JUL 13 1999 14:19 FR MICROSOFT RECP #1 425 936 7329 TO 914087468582 P.02/02  
 One Microsoft Way Redmond, WA 98082-6380 Fax:425 936 7329 http://www.microsoft.com/



July 13, 1999

John K. Howell  
 Performance Analyst  
 IA Technical Marketing  
 Amdahl Corporation  
 PO Box 3470 M/S 358  
 Sunnyvale, California, 94088  
 (408)-746-7802

Dear Mr. Howell:

Here is the information you requested regarding U.S. pricing for several Microsoft products, to be used in conjunction with TPC-C benchmark testing.

Windows 2000 Server (one server plus 5 CALs, no discount for additional servers)	\$809
Visual C++ Professional 6.0 (single copy)	\$549
5-year maintenance for above software @ \$2095/yr	\$10,475

This quote is valid for the next 90 days.

If I can be of any further assistance, please contact me at 425-936-5301 or tomkr@microsoft.com.

Yours truly,

Thomas Kreyche  
 Product Manager  
 SQL Server Marketing

Microsoft Corporation is an equal opportunity employer.

\*\*\* TOTAL PAGE.02 \*\*\*

JUL-16 99 16:20 FROM:AMD AHL/JANICEGOODMAN 7468275  
JUL-16-1999 16:35 SSP/510\*412\*4343

TO:901181454733744 PAGE:03  
5104124343 P.01



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**Date:** Friday, July 16, 1999

**To:** Amdahl Corporation  
John Howell  
Phone: 408-746-7802  
Fax: 408-746-8502

**From:** SSP Data Products  
Shanti Mutha  
Phone: 510-412-4330  
Fax: 510-412-4343

**Pages:**   1  

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**Subject:** Quotation per your request

Here is the quote you requested. Prices are FOB  
Richmond and good for 90 days.

1.Cisco C2924C-xi-en       \$2210.00 Ea  
2 TP1008C                   \$33.00 Ea\*

\* based on quantity of 3000 purchased in one lot.

**Terms:** Net 15 days and approval of credit.

**Shanti**

TOTAL P.01

# Appendix I: Auditor's attestation letter



Benchmark Sponsor: Mr. Kazuhiko Saito  
 Director, Development DEPT. III  
 ENTERPRISE MIDDLEWARE  
 DIV.  
 SOFTWARE GROUP  
 Fujitsu Limited  
 140 Miyamoto  
 Numazu-shi, Shizuoka, 410-0396,  
 Japan

July 16, 1999

I verified the TPC Benchmark™ C performance of the following Client Server configuration:

Platform: **teamsver M890ic c/s**  
 Operating system: **Microsoft Windows NT 4.0 Server Enterprise Edition**  
 Database Manager: **SymfoWARE Server Enterprise Edition for VLM V1.1 L41**  
 Transaction Manager: **BEA Tuxedo Version 6.4 CFS**

The results were:

CPU's Speed	Memory	Disks	NewOrder 90% Response Time	tpmC
<b>Server: teamsver M890ic</b>				
4 x Intel Pentium III Xeon (500 MHz)	6 GB Main 2 MB cache/cpu	(int. + ext.) (4 + 217) x 9 GB (7 + 1) x 18 GB	3.35 Seconds	<b>25440.60</b>
Two (2) Clients: teamsver L850i (specification for each)				
2 x Intel Pentium II Xeon (450 MHz)	512 MB Main 1 MB cache/cpu	1 x 4 GB	n/a	n/a
Four (4) Clients: teamsver L840i (specification for each)				
2 x Intel Pentium II Xeon (450 MHz)	512 MB Main 512 KB cache/cpu	1 x 4 GB	n/a	n/a

In my opinion, these performance results were produced in compliance with the TPC's requirements for the benchmark. The following verification items were given special attention:

- The database records were the proper size
- The database was properly scaled and populated
- The required ACID properties were met
- The transactions were correctly implemented
- Input data was generated according to the specified percentages
- The transaction cycle times included the required keying and think times
- The reported response times were correctly measured.
- All 90% response times were under the specified maximums
- At least 90% of all delivery transactions met the 80 Second completion time limit
- The reported measurement interval was 30 minutes (1800 seconds)
- The reported measurement interval was representative of steady state conditions
- One checkpoint was taken during the reported measurement interval
- The repeatability of the measured performance was verified
- The 180 day storage requirement was correctly computed
- The system pricing was verified for major components and maintenance

Additional Audit Notes:

The measured system included (217) 9 GB external disks, (137) of which were substituted by 18 GB disks in the priced configuration. Based on the specifications of the devices and on additional performance data collected on these disks, it is my opinion that this substitution does not have a material effect on the reported performance.

Respectfully Yours,



François Raab  
President