

J E S 2 J O B L O G

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17.18.28 JOB 126 IEF677I WARNING MESSAGE(S) FOR JOB VSTESTK6 ISSUED
17.18.28 JOB 126 $HASP373 VSTESTK6 STARTED - INIT 1 - CLASS A - SYS HMVS
17.18.28 JOB 126 IEF403I VSTESTK6 - STARTED - TIME=17.18.28
17.18.28 JOB 126 IEC130I SYSPUNCH DD STATEMENT MISSING
17.18.28 JOB 126 IEC130I SYSPUNCH DD STATEMENT MISSING
17.18.28 JOB 126 CCI001C COB      /IKFCBL00/00:00:00.07/      /00000/1      /VSTESTK6
17.18.29 JOB 126 CCI001C LKED    /IEWL      /00:00:00.02/      /00000/1      /VSTESTK6
17.18.29 JOB 126 CCI001C GO      /PGM=*.DD/00:00:00.01/  /00000/1      /VSTESTK6
17.18.29 JOB 126 IEF404I VSTESTK6 - ENDED - TIME=17.18.29
17.18.29 JOB 126 $HASP395 VSTESTK6 ENDED
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----- JES2 JOB STATISTICS -----

07 JUL 20 JOB EXECUTION DATE

17 CARDS READ

574 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

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1 //VSTESTK6 JOB 1,'VSAMIO IVP KSDSSSEQ ',CLASS=A,MSGCLASS=X, JOB 126
// REGION=4096K
***
*****
*** COBOL MODULE: KSDSSSEQ VSAM DATASET: VSTESTKS.CLUSTER (KSDS)
***
*** TESTS START AND READ FUNCTIONS AGAINST KSDS DATASET
*****
***
2 //COB EXEC COBUCLG,REGION.GO=1024K,CPARM1='LOAD,LIB,DMAP'
3 XXCOBUCLG PROC CPARM1='LOAD,SUPMAP', 100010000
XX CPARM2='SIZE=2048K,BUF=1024K' 00020000
4 XXCOB EXEC PGM=IKFCBL00,REGION=4096K, 00040001
XX PARM='&CPARM1,&CPARM2' 00050001
5 XXSTEPLIB DD DSN=SYSC.LINKLIB,DISP=SHR 00051001
6 XXSYSPRINT DD SYSOUT=* 00060000
7 XXSYSUT1 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00070000
8 XXSYSUT2 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00080000
9 XXSYSUT3 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00090000
10 XXSYSUT4 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00100000
11 XXSYSLIN DD DSN=&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA, 00110000
XX SPACE=(80,(500,100)) 00120000
12 //COB.SYSLIB DD DSN=SYSC.VSAMIO.SOURCE,DISP=SHR
13 //COB.SYSIN DD DSN=SYSC.VSAMIO.SOURCE(KSDSSSEQ),DISP=SHR
14 XXLKED EXEC PGM=IEWL,PARM='LIST,XREF,LET',COND=(5,LT,COB),REGION=96K 00130000
15 XXSYSLIN DD DSN=&LOADSET,DISP=(OLD,DELETE) 00140000
16 XX DD DDNAME=SYSIN 00150000
17 XXSYSLMOD DD DSN=&GODATA(RUN),DISP=(NEW,PASS),UNIT=SYSDA, 00160000
XX SPACE=(1024,(50,20,1)) 00170000
18 //LKED.SYSLIB DD
X/SYSLIB DD DSN=SYSC.COBLIB,DISP=SHR 00180000
19 // DD DSN=SYSC.LINKLIB,DISP=SHR
20 XXSYSUT1 DD UNIT=SYSDA,SPACE=(1024,(50,20)) 00190000
21 XXSYSPRINT DD SYSOUT=* 00200000
22 XXGO EXEC PGM=*.LKED.SYSLMOD,COND=((5,LT,COB),(5,LT,LKED)) 00210000
23 //GO.SYSOUT DD SYSOUT=*
24 //GO.SYSUDUMP DD SYSOUT=*
25 //GO.KSDSF01 DD DSN=PUB001.VSTESTKS.CLUSTER,DISP=OLD

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STMT NO. MESSAGE

4 IEF653I SUBSTITUTION JCL - PARM='LOAD,LIB,DMAP,SIZE=2048K,BUF=1024K'  
22 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED

IEF236I ALLOC. FOR VSTESTK6 COB COB  
IEF237I 253 ALLOCATED TO STEPLIB  
IEF237I 253 ALLOCATED TO SYS00215  
IEF237I JES2 ALLOCATED TO SYSPRINT  
IEF237I 380 ALLOCATED TO SYSUT1  
IEF237I 251 ALLOCATED TO SYSUT2  
IEF237I 370 ALLOCATED TO SYSUT3  
IEF237I 252 ALLOCATED TO SYSUT4  
IEF237I 380 ALLOCATED TO SYSLIN  
IEF237I 253 ALLOCATED TO SYSLIB  
IEF237I 253 ALLOCATED TO SYSIN

IEC130I SYSPUNCH DD STATEMENT MISSING  
IEC130I SYSPUNCH DD STATEMENT MISSING

IEF142I VSTESTK6 COB COB - STEP WAS EXECUTED - COND CODE 0000

IEF285I SYSC.LINKLIB KEPT \*-----0  
IEF285I VOL SER NOS= SYSCP. KEPT \*-----0  
IEF285I UCSYSCP. KEPT \*-----0  
IEF285I VOL SER NOS= SYSCP. SYSOUT  
IEF285I JES2.JOB00126.S00101 DELETED \*-----6  
IEF285I SYS20189.T171828.RA00.VSTESTK6.R0000001 DELETED \*-----6  
IEF285I VOL SER NOS= MVS380. DELETED \*-----6  
IEF285I SYS20189.T171828.RA00.VSTESTK6.R0000002 DELETED \*-----6  
IEF285I VOL SER NOS= WORK00. DELETED \*-----9  
IEF285I SYS20189.T171828.RA00.VSTESTK6.R0000003 DELETED \*-----6  
IEF285I VOL SER NOS= MVS370. DELETED \*-----6  
IEF285I SYS20189.T171828.RA00.VSTESTK6.R0000004 DELETED \*-----6  
IEF285I VOL SER NOS= WORK01. PASSED \*-----65  
IEF285I SYS20189.T171828.RA00.VSTESTK6.LOADSET PASSED \*-----65  
IEF285I VOL SER NOS= MVS380. KEPT \*-----6  
IEF285I SYSC.VSAMIO.SOURCE KEPT \*-----6  
IEF285I VOL SER NOS= SYSCP. KEPT \*-----3  
IEF285I SYSC.VSAMIO.SOURCE KEPT \*-----3  
IEF285I VOL SER NOS= SYSCP.

IEF373I STEP /COB / START 20189.1718

IEF374I STEP /COB / STOP 20189.1718 CPU 0MIN 00.07SEC SRB 0MIN 00.02SEC VIRT 2076K SYS 216K

\*\*\*\* JOBCARD READ 20189 17:18:28 \*\*\*\*

\* PRC-CCI 370/148 VS2 R03.8 HMVS STEP STATISTICS \*  
\* STEP NAME COB USER CORE 2076K TAPES USED/IO 000/000000000 START TIME 17:18:28 TCB TIME 00:00:00.07 \*  
\* PGM NAME IKFCBL00 SYSTEM CORE 216K DISKS USED/IO 005/000000101 STOP TIME 17:18:28 SRB TIME 00:00:00.02 \*  
\* COND CODE 0000 PRIVATE AREA SZ 4096K ALLOC TIME 17:18:28 ELAPSED TIME PGM LOAD 17:18:28 \*  
\*\* PGNO \* NR SRV UNITS \* ACTIVE TIME \*\* PAGES IN \*\*\* PAGES OUT \*\* # SWAPS \* PGS SWAP IN \* PGS SWAP OUT \* VIO PGS IN \* VIO PGS OUT \*\*  
\* 004 608 00:00:00.10 0 0 0 0 0 0 0 \*  
\*\*\*\*\*  
\* CPU \$ ( 0.02 ) + EXCP \$ ( 0.13 ) + MEMORY \$ ( 0.41 ) = TOTAL \$ ( 0.56 ) \*  
\*\*\*\*\*

IEF236I ALLOC. FOR VSTESTK6 LKED COB  
IEF237I 380 ALLOCATED TO SYSLIN  
IEF237I DMY ALLOCATED TO  
IEF237I 251 ALLOCATED TO SYSLMOD  
IEF237I 253 ALLOCATED TO SYSLIB  
IEF237I 253 ALLOCATED TO  
IEF237I 253 ALLOCATED TO SYS00217  
IEF237I 370 ALLOCATED TO SYSUT1  
IEF237I JES2 ALLOCATED TO SYSPRINT

IEF142I VSTESTK6 LKED COB - STEP WAS EXECUTED - COND CODE 0000

IEF285I SYS20189.T171828.RA00.VSTESTK6.LOADSET DELETED \*-----66  
IEF285I VOL SER NOS= MVS380.

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IEF285I  SYS20189.T171828.RA000.VSTESTK6.GODATA      PASSED      *-----12
IEF285I  VOL SER NOS= WORK00.
IEF285I  SYSC.COBLIB                                KEPT        *-----27
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYSC.LINKLIB                                KEPT        *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  UCSYSCPK                                    KEPT        *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYS20189.T171828.RA000.VSTESTK6.R0000005  DELETED     *-----0
IEF285I  VOL SER NOS= MVS370.
IEF285I  JES2.JOB00126.S00102                      SYSOUT
IEF373I  STEP /LKED      / START 20189.1718
IEF374I  STEP /LKED      / STOP  20189.1718 CPU      OMIN 00.02SEC SRB      OMIN 00.00SEC VIRT    260K SYS    208K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  LKED      USER CORE      260K  TAPES USED/IO 000/000000000  START  TIME  17:18:28  TCB TIME  00:00:00.02 *
* PGM NAME   IEWL      SYSTEM CORE    208K  DISKS USED/IO 004/000000105  STOP   TIME  17:18:29  SRB TIME  00:00:00.00 *
* COND CODE  0000      PRIVATE AREA SZ  4096K  ALLOC TIME  17:18:28  ELAPSED TIME  PGM LOAD  17:18:29 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004      553      00:00:00.02      0      0      0      0      0      0      0      0      0      0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.14) + MEMORY $ ( 0.01) = TOTAL $ ( 0.15)
*****
IEF236I  ALLOC. FOR VSTESTK6 GO COB
IEF237I  251  ALLOCATED TO PGM=*.DD
IEF237I  JES2 ALLOCATED TO SYSOUT
IEF237I  JES2 ALLOCATED TO SYSUDUMP
IEF237I  190  ALLOCATED TO KSDSF01
IEF237I  190  ALLOCATED TO SYS00219
IEF142I  VSTESTK6 GO COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS20189.T171828.RA000.VSTESTK6.GODATA      KEPT        *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  JES2.JOB00126.S00103                      SYSOUT
IEF285I  JES2.JOB00126.S00104                      SYSOUT
IEF285I  PUB001.VSTESTKS.CLUSTER                   KEPT        *-----2
IEF285I  VOL SER NOS= PUB001.
IEF285I  UCPUB001                                    KEPT        *-----0
IEF285I  VOL SER NOS= PUB001.
IEF373I  STEP /GO      / START 20189.1718
IEF374I  STEP /GO      / STOP  20189.1718 CPU      OMIN 00.01SEC SRB      OMIN 00.00SEC VIRT    68K SYS    216K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  GO          USER CORE      68K  TAPES USED/IO 000/000000000  START  TIME  17:18:29  TCB TIME  00:00:00.01 *
* PGM NAME   PGM=*.DD   SYSTEM CORE    216K  DISKS USED/IO 002/000000002  STOP   TIME  17:18:29  SRB TIME  00:00:00.00 *
* COND CODE  0000      PRIVATE AREA SZ  4096K  ALLOC TIME  17:18:29  ELAPSED TIME  PGM LOAD  17:18:29 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004      34      00:00:00.01      0      0      0      0      0      0      0      0      0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.00) + MEMORY $ ( 0.00) = TOTAL $ ( 0.00)
*****
IEF237I  251  ALLOCATED TO SYS00001
IEF285I  SYS20189.T171829.RA000.VSTESTK6.R0000001  KEPT        *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  SYS20189.T171828.RA000.VSTESTK6.GODATA      DELETED
IEF285I  VOL SER NOS= WORK00.
IEF375I  JOB /VSTESTK6/ START 20189.1718
IEF376I  JOB /VSTESTK6/ STOP  20189.1718 CPU      OMIN 00.10SEC SRB      OMIN 00.02SEC

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00055 C 003200      02  VSIO-RRDS                PIC  X(04)  VALUE 'RRDS'.          07290000
00056 C 003300      02  VSIO-SEQUENTIAL          PIC  X(10)  VALUE 'SEQUENTIAL'.    07300000
00057 C 003400      02  VSIO-DIRECT                PIC  X(10)  VALUE 'DIRECT'.       07310000
00058 C 003500      02  VSIO-DYNAMIC                PIC  X(10)  VALUE 'DYNAMIC'.     07320000
00059 C 003600      02  VSIO-INPUT                  PIC  X(06)  VALUE 'INPUT'.       07330000
00060 C 003700      02  VSIO-OUTPUT                  PIC  X(06)  VALUE 'OUTPUT'.     07340000
00061 C 003800      02  VSIO-INPUT-OUTPUT          PIC  X(06)  VALUE 'UPDATE'.     07350000
00062 C 003900                                07360000
00063 C 004000* ***** *07370000
00064 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00065 C 004200* THE ROUTINE. *07390000
00066 C 004300* ***** *07400000
00067 C 004400 01  VSIO-PARAMETER-BLOCK.          07410000
00068 C 004500      02  VSIO-COMMAND                PIC  X(08).          07420000
00069 C 004600      02  VSIO-RETURN-CODE          PIC  S9(04)  COMP.    07430000
00070 C 004700          88  VSIO-SUCCESS                VALUE +0.           07440000
00071 C 004800          88  VSIO-LOGIC-ERROR              VALUE +8.           07450000
00072 C 004900          88  VSIO-END-OF-FILE              VALUE +9999.       07460000
00073 C 005000          88  VSIO-PARAMETER-ERROR          VALUE +20 THRU +28. 07470000
00074 C 005100          88  VSIO-COMMAND-UNKNOWN          VALUE +20.           07480000
00075 C 005200          88  VSIO-DATASET-ALREADY-OPEN        VALUE +21.           07490000
00076 C 005300          88  VSIO-DATASET-NOT-OPEN          VALUE +22.           07500000
00077 C 005400          88  VSIO-ORGANIZATION-KEYWORD        VALUE +23.           07510000
00078 C 005500          88  VSIO-ACCESS-KEYWORD          VALUE +24.           07520000
00079 C 005600          88  VSIO-ACCESS-UNSUPPORTED        VALUE +25.           07530000
00080 C 005700          88  VSIO-MODE-KEYWORD            VALUE +26.           07540000
00081 C 005800          88  VSIO-MODE-UNSUPPORTED        VALUE +27.           07550000
00082 C 005900          88  VSIO-DDNAME-BLANK              VALUE +28.           07560000
00083 C 006000      02  VSIO-VSAM-RETURN-CODE      PIC  S9(04)  COMP.    07570000
00084 C 006100      02  VSIO-VSAM-FUNCTION-CODE      PIC  S9(04)  COMP.    07580000
00085 C 006200      02  VSIO-VSAM-FEEDBACK-CODE      PIC  S9(04)  COMP.    07590000
00086 C 006300          88  VSIO-DUPLICATE-RECORD          VALUE +8.           07600000
00087 C 006400          88  VSIO-SEQUENCE-ERROR              VALUE +12.          07610000
00088 C 006500          88  VSIO-RECORD-NOT-FOUND          VALUE +16.          07620000
00089 C 006600          88  VSIO-NO-MORE-SPACE              VALUE +28.          07630000
00090 C 006700          88  VSIO-READ-WITHOUT-START          VALUE +88.          07640000
00091 C 006800* ***** *07650000
00092 C 006900*                END OF VSAMIO COPY BOOK *07660000
00093 C 007000* ***** *07670000
00094  003000 01  KSDSF01                COPY VSAMIOFB.          26070000
00095 C 000100* ***** *00000100
00096 C 000200* ***** *00000200
00097 C 000300*  VV  VV  SSSSS  A  M  M  IIII  OOOO  FFFFFFFF  BBBBBB *00000300
00098 C 000400*  VV  VV  SS  SS  AAA  MM  MM  II  OO  OO  FF  BB  BB *00000400
00099 C 000500*  VV  VV  SS  AA  AA  MMM  MMM  II  OO  OO  FF  BB  BB *00000500
00100 C 000600*  VV  VV  SSSSS  AA  AA  MMMMMMMM  II  OO  OO  FFFFFF  BBBBBB *00000600
00101 C 000700*  VV  VV  SS  SS  AA  AA  MM  M  MM  II  OO  OO  FF  BB  BB *00000700
00102 C 000800*  VV  VV  SS  SS  AAAAAA  MM  MM  II  OO  OO  FF  BB  BB *00000800
00103 C 000900*  VVV  SS  SS  AA  AA  MM  MM  II  OO  OO  FF  BB  BB *00000900
00104 C 001000*  V  SSSSS  AA  AA  MM  MM  IIII  OOOO  FF  BBBBBB *00001000
00105 C 001100* ***** *00001100
00106 C 001200* ***** *00001200
00107 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00108 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00109 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00110 C 001600* ***** *00001600
00111 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700

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00112	C	001800*	VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE		*00001800
00113	C	001900*	RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED		*00001900
00114	C	002000*	PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT		*00002000
00115	C	002100*	THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED.		*00002100
00116	C	002200*	*****		*00002200
00117	C	002300	01 KSDSF01.		00002300
00118	C	002400	02 VSIO-DDNAME PIC X(08) VALUE SPACES.		00002400
00119	C	002500	02 VSIO-ORGANIZATION PIC X(04) VALUE SPACES.		00002500
00120	C	002600	02 VSIO-ACCESS PIC X(10) VALUE SPACES.		00002600
00121	C	002700	02 VSIO-MODE PIC X(06) VALUE SPACES.		00002700
00122	C	002800	02 VSIO-RECORD-LENGTH PIC S9(04) COMP VALUE +0.		00002800
00123	C	002900	02 VSIO-KEY-ARGUMENT.		00002900
00124	C	003000	03 VSIO-KEY-POSITION PIC S9(04) COMP VALUE +0.		00003000
00125	C	003100	03 VSIO-KEY-LENGTH PIC S9(04) COMP VALUE +0.		00003100
00126	C	003200	02 VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT		00003200
00127	C	003300	PIC S9(08) COMP.		00003300
00128	C	003400	02 FILLER PIC X(01) VALUE 'C'.		00003400
00129	C	003500	88 VSIO-FILE-OPEN VALUE 'O'.		00003500
00130	C	003600	88 VSIO-FILE-CLOSED VALUE 'C'.		00003600
00131	C	003700	02 FILLER PIC X(161).		00003700
00132	C	003800*	*****		*00003800
00133	C	003900*	END OF VSAMIOFB COPY BOOK		*00003900
00134	C	004000*	*****		*00004000
00135		003100	01 KSDS-RECORD.		26080000
00136		003200	02 KR-KEY PIC X(10).		26090000
00137		003300	02 FILLER PIC X(70).		26100000
00138		003400			26110000
00139		003500	PROCEDURE DIVISION.		26120000
00140		003600			26130000
00141		003700	000-INITIATE.		26140000
00142		003800			26150000
00143		003900	DISPLAY 'KSDSSSEQ: READ KSDS SEQUENTIALLY (W/START)'. DISPLAY '-----'. DISPLAY ' '.		26160000 26170000 26180000
00144		004000			26190000
00145		004100			26200000
00146		004200			26210000
00147		004300	MOVE 'KSDSF01' TO VSIO-DDNAME.		26220000
00148		004400	MOVE VSIO-KSDS TO VSIO-ORGANIZATION.		26230000
00149		004500	MOVE VSIO-SEQUENTIAL TO VSIO-ACCESS.		26240000
00150		004600	MOVE VSIO-INPUT TO VSIO-MODE.		26250000
00151		004700	MOVE +80 TO VSIO-RECORD-LENGTH.		26260000
00152		004800	MOVE +0 TO VSIO-KEY-POSITION.		26270000
00153		004900	MOVE +10 TO VSIO-KEY-LENGTH.		26280000
00154		005000	MOVE VSIO-OPEN TO VSIO-COMMAND.		26290000
00155		005100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,		26300000
00156		005200	KSDS-RECORD.		26310000
00157		005300*	END-CALL.		26320000
00158		005400	IF NOT VSIO-SUCCESS		26330000
00159		005500	DISPLAY 'VSAMIO ERROR OCCURRED DURING '		26340000
00160		005600	VSIO-COMMAND		26350000
00161		005700	EXHIBIT NAMED VSIO-RETURN-CODE,		26360000
00162		005800	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,		26370000
00163		005900	VSIO-VSAM-FUNCTION-CODE,		26380000
00164		006000	VSIO-VSAM-FEEDBACK-CODE		26390000
00165		006100	STOP RUN.		26400000
00166		006200*	END-IF.		26410000
00167		006300			26410000
00168		006400	010-PROCESS.		26410000

00169	006500		26420000
00170	006600	PERFORM 110-PROCESS-DATA	26430000
00171	006700	THRU 119-EXIT	26440000
00172	006800	UNTIL END-OF-FILE.	26450000
00173	006900*	END-PERFORM.	26460000
00174	007000		26470000
00175	007100	020-TERMINATE.	26480000
00176	007200		26490000
00177	007300	MOVE VSIO-CLOSE TO VSIO-COMMAND.	26500000
00178	007400	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	26510000
00179	007500	KSDS-RECORD.	26520000
00180	007600*	END-CALL.	26530000
00181	007700	IF NOT VSIO-SUCCESS	26540000
00182	007800	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	26550000
00183	007900	VSIO-COMMAND	26560000
00184	008000	EXHIBIT NAMED VSIO-RETURN-CODE,	26570000
00185	008100	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	26580000
00186	008200	VSIO-VSAM-FUNCTION-CODE,	26590000
00187	008300	VSIO-VSAM-FEEDBACK-CODE.	26600000
00188	008400*	END-IF.	26610000
00189	008500		26620000
00190	008600	STOP RUN.	26630000
00191	008700		26640000
00192	008800	110-PROCESS-DATA.	26650000
00193	008900		26660000
00194	009000	MOVE '1033846021' TO KR-KEY.	26670000
00195	009100	DISPLAY 'START KEY EQUAL TO ' KR-KEY.	26680000
00196	009200	MOVE VSIO-START-KEY-EQUAL TO VSIO-COMMAND.	26690000
00197	009300	PERFORM 120-START-AND-READ THRU 129-EXIT.	26700000
00198	009400		26710000
00199	009500	MOVE '2534789096' TO KR-KEY.	26720000
00200	009600	DISPLAY 'START KEY EQUAL TO ' KR-KEY.	26730000
00201	009700	MOVE VSIO-START-KEY-EQUAL TO VSIO-COMMAND.	26740000
00202	009800	PERFORM 120-START-AND-READ THRU 129-EXIT.	26750000
00203	009900		26760000
00204	010000	MOVE '3284189067' TO KR-KEY.	26770000
00205	010100	DISPLAY 'START KEY GREATER THAN OR EQUAL TO ' KR-KEY.	26780000
00206	010200	MOVE VSIO-START-KEY-NOTLESS TO VSIO-COMMAND.	26790000
00207	010300	PERFORM 120-START-AND-READ THRU 129-EXIT.	26800000
00208	010400		26810000
00209	010500	MOVE '3860000000' TO KR-KEY.	26820000
00210	010600	DISPLAY 'START KEY GREATER THAN OR EQUAL TO ' KR-KEY.	26830000
00211	010700	MOVE VSIO-START-KEY-NOTLESS TO VSIO-COMMAND.	26840000
00212	010800	PERFORM 120-START-AND-READ THRU 129-EXIT.	26850000
00213	010900		26860000
00214	011000	MOVE 'Y' TO END-OF-FILE-SWITCH.	26870000
00215	011100		26880000
00216	011200	119-EXIT.	26890000
00217	011300	EXIT.	26900000
00218	011400		26910000
00219	011500	120-START-AND-READ.	26920000
00220	011600		26930000
00221	011700	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	26940000
00222	011800	KSDS-RECORD.	26950000
00223	011900*	END-CALL.	26960000
00224	012000		26970000
00225	012100	IF NOT VSIO-SUCCESS	26980000



00226	012200	IF VSIO-RECORD-NOT-FOUND	26990000
00227	012300	DISPLAY '*** RECORD NOT FOUND ***'	27000000
00228	012400	ELSE	27010000
00229	012500	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	27020000
00230	012600	VSIO-COMMAND	27030000
00231	012700	EXHIBIT NAMED VSIO-RETURN-CODE,	27040000
00232	012800	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	27050000
00233	012900	VSIO-VSAM-FUNCTION-CODE,	27060000
00234	013000	VSIO-VSAM-FEEDBACK-CODE.	27070000
00235	013100*	END-IF	27080000
00236	013200*	END-IF.	27090000
00237	013300		27100000
00238	013400	IF NOT VSIO-SUCCESS	27110000
00239	013500	GO TO 129-EXIT.	27120000
00240	013600*	END-IF.	27130000
00241	013700		27140000
00242	013800	MOVE +0 TO RECORD-COUNTER.	27150000
00243	013900	PERFORM 130-READ-AND-DISPLAY THRU 139-EXIT	27160000
00244	014000	UNTIL END-OF-FILE	27170000
00245	014100	OR RECORD-COUNTER > +4.	27180000
00246	014200*	END-PERFORM.	27190000
00247	014300	MOVE 'N' TO END-OF-FILE-SWITCH.	27200000
00248	014400		27210000
00249	014500	129-EXIT.	27220000
00250	014600	EXIT.	27230000
00251	014700		27240000
00252	014800	130-READ-AND-DISPLAY.	27250000
00253	014900		27260000
00254	015000	MOVE VSIO-READ TO VSIO-COMMAND.	27270000
00255	015100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	27280000
00256	015200	KSDS-RECORD.	27290000
00257	015300*	END-CALL.	27300000
00258	015400		27310000
00259	015500	IF VSIO-SUCCESS	27320000
00260	015600	DISPLAY 'KEY: ' KR-KEY ' RECORD: ' KSDS-RECORD	27330000
00261	015700	ELSE	27340000
00262	015800	IF VSIO-END-OF-FILE	27350000
00263	015900	MOVE 'Y' TO END-OF-FILE-SWITCH	27360000
00264	016000	ELSE	27370000
00265	016100	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	27380000
00266	016200	VSIO-COMMAND	27390000
00267	016300	EXHIBIT NAMED VSIO-RETURN-CODE,	27400000
00268	016400	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	27410000
00269	016500	VSIO-VSAM-FUNCTION-CODE,	27420000
00270	016600	VSIO-VSAM-FEEDBACK-CODE.	27430000
00271	016700*	END-IF	27440000
00272	016800*	END-IF.	27450000
00273	016900		27460000
00274	017000	ADD +1 TO RECORD-COUNTER.	27470000
00275	017100		27480000
00276	017200	139-EXIT.	27490000
00277	017300	EXIT.	27500000
00278	017400		27510000
00279	017500		27520000

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=1-209	77	END-OF-FILE-SWITCH	BL=1	000	DNM=1-209	DS 1C	DISP				
DNM=1-240	88	END-OF-FILE			DNM=1-240						
DNM=1-262	77	RECORD-COUNTER	BL=1	001	DNM=1-262	DS 8C	DISP-NM				
DNM=1-286	01	VSIO-PARAMETER-VALUES	BL=1	010	DNM=1-286	DS 0CL124	GROUP				
DNM=1-320	02	VSIO-OPEN	BL=1	010	DNM=1-320	DS 8C	DISP				
DNM=1-339	02	VSIO-CLOSE	BL=1	018	DNM=1-339	DS 8C	DISP				
DNM=1-359	02	VSIO-READ	BL=1	020	DNM=1-359	DS 8C	DISP				
DNM=1-381	02	VSIO-WRITE	BL=1	028	DNM=1-381	DS 8C	DISP				
DNM=1-401	02	VSIO-REWRITE	BL=1	030	DNM=1-401	DS 8C	DISP				
DNM=1-423	02	VSIO-DELETE	BL=1	038	DNM=1-423	DS 8C	DISP				
DNM=1-444	02	VSIO-START-KEY-EQUAL	BL=1	040	DNM=1-444	DS 8C	DISP				
DNM=1-474	02	VSIO-START-KEY-NOTLESS	BL=1	048	DNM=1-474	DS 8C	DISP				
DNM=2-000	02	VSIO-KSDS	BL=1	050	DNM=2-000	DS 4C	DISP				
DNM=2-019	02	VSIO-ESDS	BL=1	054	DNM=2-019	DS 4C	DISP				
DNM=2-038	02	VSIO-RRDS	BL=1	058	DNM=2-038	DS 4C	DISP				
DNM=2-057	02	VSIO-SEQUENTIAL	BL=1	05C	DNM=2-057	DS 10C	DISP				
DNM=2-082	02	VSIO-DIRECT	BL=1	066	DNM=2-082	DS 10C	DISP				
DNM=2-103	02	VSIO-DYNAMIC	BL=1	070	DNM=2-103	DS 10C	DISP				
DNM=2-125	02	VSIO-INPUT	BL=1	07A	DNM=2-125	DS 6C	DISP				
DNM=2-145	02	VSIO-OUTPUT	BL=1	080	DNM=2-145	DS 6C	DISP				
DNM=2-166	02	VSIO-INPUT-OUTPUT	BL=1	086	DNM=2-166	DS 6C	DISP				
DNM=2-193	01	VSIO-PARAMETER-BLOCK	BL=1	090	DNM=2-193	DS 0CL16	GROUP				
DNM=2-226	02	VSIO-COMMAND	BL=1	090	DNM=2-226	DS 8C	DISP				
DNM=2-251	02	VSIO-RETURN-CODE	BL=1	098	DNM=2-251	DS 2C	COMP				
DNM=2-280	88	VSIO-SUCCESS			DNM=2-280						
DNM=2-305	88	VSIO-LOGIC-ERROR			DNM=2-305						
DNM=2-334	88	VSIO-END-OF-FILE			DNM=2-334						
DNM=2-365	88	VSIO-PARAMETER-ERROR			DNM=2-365						
DNM=2-395	88	VSIO-COMMAND-UNKNOWN			DNM=2-395						
DNM=2-429	88	VSIO-DATASET-ALREADY-OPEN			DNM=2-429						
DNM=2-468	88	VSIO-DATASET-NOT-OPEN			DNM=2-468						
DNM=3-000	88	VSIO-ORGANIZATION-KEYWORD			DNM=3-000						
DNM=3-039	88	VSIO-ACCESS-KEYWORD			DNM=3-039						
DNM=3-072	88	VSIO-ACCESS-UNSUPPORTED			DNM=3-072						
DNM=3-109	88	VSIO-MODE-KEYWORD			DNM=3-109						
DNM=3-140	88	VSIO-MODE-UNSUPPORTED			DNM=3-140						
DNM=3-175	88	VSIO-DDNAME-BLANK			DNM=3-175						
DNM=3-206	02	VSIO-VSAM-RETURN-CODE	BL=1	09A	DNM=3-206	DS 2C	COMP				
DNM=3-237	02	VSIO-VSAM-FUNCTION-CODE	BL=1	09C	DNM=3-237	DS 2C	COMP				
DNM=3-270	02	VSIO-VSAM-FEEDBACK-CODE	BL=1	09E	DNM=3-270	DS 2C	COMP				
DNM=3-306	88	VSIO-DUPLICATE-RECORD			DNM=3-306						
DNM=3-340	88	VSIO-SEQUENCE-ERROR			DNM=3-340						
DNM=3-373	88	VSIO-RECORD-NOT-FOUND			DNM=3-373						
DNM=3-408	88	VSIO-NO-MORE-SPACE			DNM=3-408						
DNM=3-440	88	VSIO-READ-WITHOUT-START			DNM=3-440						
DNM=3-477	01	KSDSF01	BL=1	0A0	DNM=3-477	DS 0CL196	GROUP				
DNM=4-000	02	VSIO-DDNAME	BL=1	0A0	DNM=4-000	DS 8C	DISP				
DNM=4-021	02	VSIO-ORGANIZATION	BL=1	0A8	DNM=4-021	DS 4C	DISP				
DNM=4-051	02	VSIO-ACCESS	BL=1	0AC	DNM=4-051	DS 10C	DISP				
DNM=4-072	02	VSIO-MODE	BL=1	0B6	DNM=4-072	DS 6C	DISP				
DNM=4-091	02	VSIO-RECORD-LENGTH	BL=1	0BC	DNM=4-091	DS 2C	COMP				
DNM=4-119	02	VSIO-KEY-ARGUMENT	BL=1	0BE	DNM=4-119	DS 0CL4	GROUP				
DNM=4-152	03	VSIO-KEY-POSITION	BL=1	0BE	DNM=4-152	DS 2C	COMP				
DNM=4-182	03	VSIO-KEY-LENGTH	BL=1	0C0	DNM=4-182	DS 2C	COMP				
DNM=4-207	02	VSIO-RELATIVE-RECORD	BL=1	0BE	DNM=4-207	DS 4C	COMP	R			

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-237	02	FILLER	BL=1	0C2	DNM=4-237	DS 1C	DISP				
DNM=4-259	88	VSIO-FILE-OPEN			DNM=4-259						
DNM=4-284	88	VSIO-FILE-CLOSED			DNM=4-284						
DNM=4-311	02	FILLER	BL=1	0C3	DNM=4-311	DS 161C	DISP				
DNM=4-330	01	KSDS-RECORD	BL=1	168	DNM=4-330	DS 0CL80	GROUP				
DNM=4-354	02	KR-KEY	BL=1	168	DNM=4-354	DS 10C	DISP				
DNM=4-370	02	FILLER	BL=1	172	DNM=4-370	DS 70C	DISP				

```
*STATISTICS*      SOURCE RECORDS = 279      DATA DIVISION STATEMENTS = 64      PROCEDURE DIVISION STATEMENTS = 70
*OPTIONS IN EFFECT*  SIZE = 2097152  BUF = 1048576  LINECNT = 57  SPACE1, FLAGW, SEQ, SOURCE
*OPTIONS IN EFFECT*  DMAP, NOPMAP, NOCLIST, SUPMAP, NOXREF, LOAD, NODECK, APOST, NOTRUNC, LIB, NOVERB
*OPTIONS IN EFFECT*  ZWB
```

F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET  
DEFAULT OPTION(S) USED - SIZE=(231424,55296)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
KSDSSSEQ	00	D1C								
ILBODSP0*	D20	700								
ILBOSTP0*	1420	35								
			ILBOSTP1	1436						
VSAMIO *	1458	D0A								

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
448	ILBOSTP0	ILBOSTP0	44C	ILBODSP0	ILBODSP0
450	VSAMIO	VSAMIO	454	ILBOSTP1	ILBOSTP0

ENTRY ADDRESS 00

TOTAL LENGTH 2168

\*\*\*RUN DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET

AUTHORIZATION CODE IS 0.

KSDSSSEQ: READ KSDS SEQUENTIALLY (W/START)

-----  
START KEY EQUAL TO 1033846021

KEY: 1033846021	RECORD: 1033846021	CHERYL I TUCKER	660 SHORE ROAD	LOUISVILLE	KY
KEY: 1098019022	RECORD: 1098019022	HANNAH F QUIMBY	6151 MAIN COURT	PHOENIX	AZ
KEY: 1168050023	RECORD: 1168050023	TAMMY J FRANKLIN	5226 ROSA LINDA ROAD	LOUISVILLE	KY
KEY: 1371074024	RECORD: 1371074024	TAMMY M HARMON	243 KINGS RIDGE STREET	GREENVILLE	SC
KEY: 1442146025	RECORD: 1442146025	LUCY H ERICKSON	6207 RIDGEWAY AVENUE	KANSAS CITY	MO

START KEY EQUAL TO 2534789096

\*\*\* RECORD NOT FOUND \*\*\*

START KEY GREATER THAN OR EQUAL TO 3284189067

KEY: 3284189067	RECORD: 3284189067	RITA N RENFRO	7881 DAISY COURT	SIoux FALLS	SD
KEY: 3489628068	RECORD: 3489628068	ARNOLD R ELISON	465 MAIN AVENUE	TULSA	OK
KEY: 3775212069	RECORD: 3775212069	HANNAH J GLOVER	3791 SEABREEZE STREET	NASHAU	NH
KEY: 3786163070	RECORD: 3786163070	REBECCA D DOREN	8730 STRAWBERRY ROAD	SPRING	TX
KEY: 3851331081	RECORD: 3851331081	CLIFF J DRAKE	169 SHORE AVENUE	CHICAGO	IL

START KEY GREATER THAN OR EQUAL TO 3860000000

KEY: 3912384082	RECORD: 3912384082	CRAIG O LABROIE	8021 MILL MOUNTAIN PLACE	MURFREESBORO	TN
KEY: 4077702083	RECORD: 4077702083	ROLAND P RODGERS	827 MEADOW STREET	TULSA	OK
KEY: 4093285084	RECORD: 4093285084	JACK J SCHWAB	250 BUCKLEY PLACE	CHICAGO	IL
KEY: 4176588085	RECORD: 4176588085	BRENDA O MCKAY	315 A & M PLACE	LA HABRA	CA
KEY: 4197550086	RECORD: 4197550086	TROY S POWERS	1707 BRIDGE STREET	ENGLEWOOD	CO