

J E S 2 J O B L O G

9.54.24 JOB 7 \$HASP373 LOAD02VC STARTED - INIT 1 - CLASS A - SYS HMVS
9.54.24 JOB 7 IEF403I LOAD02VC - STARTED - TIME=09.54.24
9.54.24 JOB 7 IEC130I SYSPUNCH DD STATEMENT MISSING
9.54.24 JOB 7 IEC130I SYSPUNCH DD STATEMENT MISSING
9.54.24 JOB 7 IEFACRT C0B /IKFCBL00/00:00:00.10/00:00:00.13/00004/LOAD02VC
9.54.24 JOB 7 IEFACRT LKED /IEWL /00:00:00.03/00:00:00.05/00000/LOAD02VC
9.54.24 JOB 7 IEF404I LOAD02VC - ENDED - TIME=09.54.24
9.54.24 JOB 7 \$HASP395 LOAD02VC ENDED

----- JES2 JOB STATISTICS -----

31 JUL 25 JOB EXECUTION DATE

9 CARDS READ

1,196 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

1

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00001 IDENTIFICATION DIVISION.
00002 PROGRAM-ID. LOAD02V.
00003 DATE-WRITTEN. JULY, 2025.
00004 DATE-COMPILED. JUL 31, 2025.
00005 REMARKS. LOAD DATA INTO VSAM RRDS CLUSTERS,
00006         VERIFY DATA IS IN ASCENDING KEY SEQUENCE, NO DUPLICATES,
00007         REPORT LISTS RECORDS LOADED AND ERRORS ENCOUNTERED.
00008
00009 ENVIRONMENT DIVISION.
00010 INPUT-OUTPUT SECTION.
00011 FILE-CONTROL.
00012
00013         SELECT DEPARTMENT-DATA-FILE
00014         ASSIGN TO UT-S-DEPTI.
00015
00016         SELECT COURSE-DATA-FILE
00017         ASSIGN TO UT-S-COURSEI.
00018
00019         SELECT SECTION-DATA-FILE
00020         ASSIGN TO UT-S-SECTI.
00021
00022         SELECT REPORT-FILE
00023         ASSIGN TO UR-S-REPORT.
00024
00025 DATA DIVISION.
00026 FILE SECTION.
00027
00028 FD  DEPARTMENT-DATA-FILE
00029     LABEL RECORDS STANDARD
00030     RECORD CONTAINS 80 CHARACTERS
00031     BLOCK CONTAINS 293 RECORDS
00032     DATA RECORD IS DEPARTMENT-DATA-RECORD.
00033
00034 01  DEPARTMENT-DATA-RECORD.
00035     02  DDR-NUMBER             PIC 9(02).
00036     02  DDR-NAME              PIC X(40).
00037     02  FILLER                PIC X(38).
00038
00039 FD  COURSE-DATA-FILE
00040     LABEL RECORDS STANDARD
00041     RECORD CONTAINS 80 CHARACTERS
00042     BLOCK CONTAINS 293 RECORDS
00043     DATA RECORD IS COURSE-DATA-RECORD.
00044
00045 01  COURSE-DATA-RECORD.
00046     02  CDR-NUMBER            PIC 9(05).
00047     02  CDR-NAME              PIC X(50).
00048     02  CDR-HOURS             PIC 9(01).
00049     02  FILLER                PIC X(24).
00050
00051 FD  SECTION-DATA-FILE
00052     LABEL RECORDS STANDARD
00053     RECORD CONTAINS 80 CHARACTERS
00054     BLOCK CONTAINS 293 RECORDS
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00055          DATA RECORD IS SECTION-DATA-RECORD.
00056
00057      01  SECTION-DATA-RECORD.
00058          02  SDR-NUMBER              PIC 9(06).
00059          02  SDR-DESCRIPTION          PIC X(20).
00060          02  FILLER                    PIC X(54).
00061
00062      FD  REPORT-FILE
00063          LABEL RECORDS OMITTED
00064          REPORTS ARE DEPT-LOAD-REPORT, COURSE-LOAD-REPORT,
00065                  SECTION-LOAD-REPORT.
00066
00067      WORKING-STORAGE SECTION.
00068
00069      01  VSIO-PARAMETER-VALUES          COPY VSAMIO.
00070 C 000100* *****
00071 C 000200* *****
00072 C 000300*          VV  VV  SSSSS      A      M      M  IIII      00000      *06980000
00073 C 000400*          VV  VV SS   SS   AAA  MM   MM   II   00  00      *06990000
00074 C 000500*          VV  VV SS   SS   AA  AA  MMM  MMM  II   00  00      *07000000
00075 C 000600*          VV  VV SSSSS  AA  AA  MMMMMMMM  II   00  00      *07010000
00076 C 000700*          VV  VV      SS AA  AA  MM  M  MM   II   00  00      *07020000
00077 C 000800*          VV VV  SS   SS  AAAAAA  MM   MM   II   00  00      *07030000
00078 C 000900*          VVV  SS   SS  AA  AA  MM   MM   II   00  00      *07040000
00079 C 001000*          V      SSSSS  AA  AA  MM   MM   IIII      00000      *07050000
00080 C 001100*          *07060000
00081 C 001200* *****
00082 C 001300* *****
00083 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07070000
00084 C 001500* ACCESS ROUTINE. *07080000
00085 C 001600* *****
00086 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07090000
00087 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07100000
00088 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07110000
00089 C 002000* *****
00090 C 002100 01  VSIO-PARAMETER-VALUES. *07120000
00091 C 002200      02  VSIO-OPEN              PIC X(08)  VALUE 'OPEN      ' . *07130000
00092 C 002300      02  VSIO-CLOSE            PIC X(08)  VALUE 'CLOSE      ' . *07140000
00093 C 002400      02  VSIO-READ             PIC X(08)  VALUE 'READ       ' . *07150000
00094 C 002500      02  VSIO-WRITE            PIC X(08)  VALUE 'WRITE      ' . *07160000
00095 C 002600      02  VSIO-REWRITE          PIC X(08)  VALUE 'REWRITE    ' . *07170000
00096 C 002700      02  VSIO-DELETE           PIC X(08)  VALUE 'DELETE     ' . *07180000
00097 C 002800      02  VSIO-START-KEY-EQUAL  PIC X(08)  VALUE 'STARTEQ   ' . *07190000
00098 C 002900      02  VSIO-START-KEY-NOTLESS PIC X(08)  VALUE 'STARTGE   ' . *07200000
00099 C 003000      02  VSIO-KSDS             PIC X(04)  VALUE 'KSDS' . *07210000
00100 C 003100      02  VSIO-ESDS            PIC X(04)  VALUE 'ESDS' . *07220000
00101 C 003200      02  VSIO-RRDS            PIC X(04)  VALUE 'RRDS' . *07230000
00102 C 003300      02  VSIO-SEQUENTIAL       PIC X(10)  VALUE 'SEQUENTIAL' . *07240000
00103 C 003400      02  VSIO-DIRECT           PIC X(10)  VALUE 'DIRECT     ' . *07250000
00104 C 003500      02  VSIO-DYNAMIC          PIC X(10)  VALUE 'DYNAMIC    ' . *07260000
00105 C 003600      02  VSIO-INPUT            PIC X(06)  VALUE 'INPUT      ' . *07270000
00106 C 003700      02  VSIO-OUTPUT           PIC X(06)  VALUE 'OUTPUT     ' . *07280000
00107 C 003800      02  VSIO-INPUT-OUTPUT     PIC X(06)  VALUE 'UPDATE    ' . *07290000
00108 C 003900      *07300000
00109 C 004000* *****
00110 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07310000
00111 C 004200* THE ROUTINE. *07320000

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00112 C 004300* ***** *07400000
00113 C 004400 01 VSIO-PARAMETER-BLOCK. 07410000
00114 C 004500 02 VSIO-COMMAND PIC X(08). 07420000
00115 C 004600 02 VSIO-RETURN-CODE PIC S9(04) COMP. 07430000
00116 C 004700 88 VSIO-SUCCESS VALUE +0. 07440000
00117 C 004800 88 VSIO-LOGIC-ERROR VALUE +8. 07450000
00118 C 004900 88 VSIO-END-OF-FILE VALUE +9999. 07460000
00119 C 005000 88 VSIO-PARAMETER-ERROR VALUE +20 THRU +28. 07470000
00120 C 005100 88 VSIO-COMMAND-UNKNOWN VALUE +20. 07480000
00121 C 005200 88 VSIO-DATASET-ALREADY-OPEN VALUE +21. 07490000
00122 C 005300 88 VSIO-DATASET-NOT-OPEN VALUE +22. 07500000
00123 C 005400 88 VSIO-ORGANIZATION-KEYWORD VALUE +23. 07510000
00124 C 005500 88 VSIO-ACCESS-KEYWORD VALUE +24. 07520000
00125 C 005600 88 VSIO-ACCESS-UNSUPPORTED VALUE +25. 07530000
00126 C 005700 88 VSIO-MODE-KEYWORD VALUE +26. 07540000
00127 C 005800 88 VSIO-MODE-UNSUPPORTED VALUE +27. 07550000
00128 C 005900 88 VSIO-DDNAME-BLANK VALUE +28. 07560000
00129 C 006000 02 VSIO-VSAM-RETURN-CODE PIC S9(04) COMP. 07570000
00130 C 006100 02 VSIO-VSAM-FUNCTION-CODE PIC S9(04) COMP. 07580000
00131 C 006200 02 VSIO-VSAM-FEEDBACK-CODE PIC S9(04) COMP. 07590000
00132 C 006300 88 VSIO-DUPLICATE-RECORD VALUE +8. 07600000
00133 C 006400 88 VSIO-SEQUENCE-ERROR VALUE +12. 07610000
00134 C 006500 88 VSIO-RECORD-NOT-FOUND VALUE +16. 07620000
00135 C 006600 88 VSIO-NO-MORE-SPACE VALUE +28. 07630000
00136 C 006700 88 VSIO-READ-WITHOUT-START VALUE +88. 07640000
00137 C 006800* ***** *07650000
00138 C 006900* END OF VSAMIO COPY BOOK *07660000
00139 C 007000* ***** *07670000
00140 01 TABLEO COPY VSAMIOFB.
00141 C 000100* ***** *00000100
00142 C 000200* ***** *00000200
00143 C 000300* VV VV SSSSS A M M IIII 00000 FFFFFFFF BBBB BB *00000300
00144 C 000400* VV VV SS SS AAA MM MM II 00 00 FF BB BB *00000400
00145 C 000500* VV VV SS AA AA MMM MMM II 00 00 FF BB BB *00000500
00146 C 000600* VV VV SSSSS AA AA MMMMMM II 00 00 FFFF BBBB BB *00000600
00147 C 000700* VV VV SS AA AA MM M MM II 00 00 FF BB BB *00000700
00148 C 000800* VV VV SS SS AAAAAA MM MM II 00 00 FF BB BB *00000800
00149 C 000900* VVV SS SS AA AA MM MM II 00 00 FF BB BB *00000900
00150 C 001000* V SSSSS AA AA MM MM IIII 00000 FF BBBB BB *00001000
00151 C 001100* ***** *00001100
00152 C 001200* ***** *00001200
00153 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00154 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00155 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00156 C 001600* ***** *00001600
00157 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00158 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00159 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00160 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00161 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00162 C 002200* ***** *00002200
00163 C 002300 01 TABLEO. 00002300
00164 C 002400 02 VSIO-DDNAME PIC X(08) VALUE SPACES. 00002400
00165 C 002500 02 VSIO-ORGANIZATION PIC X(04) VALUE SPACES. 00002500
00166 C 002600 02 VSIO-ACCESS PIC X(10) VALUE SPACES. 00002600
00167 C 002700 02 VSIO-MODE PIC X(06) VALUE SPACES. 00002700
00168 C 002800 02 VSIO-RECORD-LENGTH PIC S9(04) COMP VALUE +0. 00002800

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00169 C 002900      02  VSIO-KEY-ARGUMENT.                00002900
00170 C 003000      03  VSIO-KEY-POSITION  PIC S9(04)  COMP VALUE +0.    00003000
00171 C 003100      03  VSIO-KEY-LENGTH    PIC S9(04)  COMP VALUE +0.    00003100
00172 C 003200      02  VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT 00003200
00173 C 003300      PIC S9(08)  COMP.                00003300
00174 C 003400      02  FILLER                PIC X(01)  VALUE 'C'.        00003400
00175 C 003500      88  VSIO-FILE-OPEN          VALUE 'O'.        00003500
00176 C 003600      88  VSIO-FILE-CLOSED        VALUE 'C'.        00003600
00177 C 003700      02  FILLER                PIC X(161).        00003700
00178 C 003800* ***** *00003800
00179 C 003900*                END OF VSAMIOFB COPY BOOK *00003900
00180 C 004000* ***** *00004000
00181      01  TABLES-RECORD                PIC X(57).
00182      01  DEPARTMENT-TABLE-RECORD REDEFINES TABLES-RECORD.
00183      02  DTR-KEY                PIC 9(06).
00184      02  FILLER                REDEFINES DTR-KEY.
00185      03  DTR-NUMBER            PIC 9(02).
00186      03  FILLER                PIC 9(04).
00187      02  DTR-NAME                PIC X(40).
00188      01  COURSE-TABLE-RECORD REDEFINES TABLES-RECORD.
00189      02  CTR-KEY                PIC 9(06).
00190      02  FILLER                REDEFINES CTR-KEY.
00191      03  CTR-NUMBER            PIC 9(05).
00192      03  FILLER                PIC 9(01).
00193      02  CTR-NAME                PIC X(50).
00194      02  CTR-HOURS              PIC 9(01).
00195      01  SECTION-TABLE-RECORD REDEFINES TABLES-RECORD.
00196      02  STR-KEY                PIC 9(06).
00197      02  STR-NUMBER            REDEFINES STR-KEY
00198      PIC 9(06).
00199      02  STR-DESCRIPTION        PIC X(20).
00200
00201      01  DEPARTMENT-DATA-FILE-EOF-SW PIC X      VALUE 'N'.
00202      88  DEPARTMENT-DATA-FILE-EOF      VALUE 'Y'.
00203
00204      01  COURSE-DATA-FILE-EOF-SW  PIC X      VALUE 'N'.
00205      88  COURSE-DATA-FILE-EOF      VALUE 'Y'.
00206
00207      01  SECTION-DATA-FILE-EOF-SW PIC X      VALUE 'N'.
00208      88  SECTION-DATA-FILE-EOF      VALUE 'Y'.
00209
00210      01  KEY-SEQUENCE-ERROR-SW    PIC 9(2)  VALUE 00.
00211      88  NO-SEQUENCE-ERROR        VALUE 00.
00212      88  OUT-OF-SEQUENCE          VALUE 01.
00213      88  DUPLICATE-KEY            VALUE 02.
00214
00215      01  WS-STATUS-MESSAGE        PIC X(30).
00216
00217      01  Y2K-GETD-PARAMETERS.
00218      02  Y2K-GETDP-DATE-G        PIC 9(8).
00219      02  Y2K-GETDP-DATE-J        PIC 9(7).
00220      02  Y2K-GETDP-ANUM          PIC S9(7).
00221      02  Y2K-GETDP-CLOCK         PIC 9(8).
00222      02  FILLER                REDEFINES Y2K-GETDP-CLOCK.
00223      03  Y2K-GETDP-CLOCK-HH      PIC 9(2).
00224      03  Y2K-GETDP-CLOCK-MM      PIC 9(2).
00225      03  Y2K-GETDP-CLOCK-SS      PIC 9(2).

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00226          03  Y2K-GETDP-CLOCK-T    PIC 9(1).
00227          03  Y2K-GETDP-CLOCK-H    PIC 9(1).
00228          02  Y2K-GETDP-CLOCK12     PIC X(11).
00229
00230      01  Y2K-DFMT-PARAMETERS.
00231          02  Y2K-DFMTP-DATEIN        PIC X(8).
00232          02  Y2K-DFMTP-MAJOR         PIC X(1).
00233          02  Y2K-DFMTP-MINOR        PIC X(1).
00234          02  Y2K-DFMTP-RETURN-CODE  PIC 9(1).
00235          02  Y2K-DFMTP-OUTPUT-SIZE   PIC S9(2).
00236          02  Y2K-DFMTP-OUTPUT       PIC X(29).
00237
00238      01  DEPT-INPUT-COUNT             PIC 9(5) VALUE 0.
00239      01  DEPT-ERROR-COUNT            PIC 9(5) VALUE 0.
00240      01  DEPT-OUTPUT-COUNT           PIC 9(5) VALUE 0.
00241
00242      01  COURSE-INPUT-COUNT           PIC 9(5) VALUE 0.
00243      01  COURSE-ERROR-COUNT          PIC 9(5) VALUE 0.
00244      01  COURSE-OUTPUT-COUNT         PIC 9(5) VALUE 0.
00245
00246      01  SECTION-INPUT-COUNT         PIC 9(5) VALUE 0.
00247      01  SECTION-ERROR-COUNT        PIC 9(5) VALUE 0.
00248      01  SECTION-OUTPUT-COUNT       PIC 9(5) VALUE 0.
00249
00250      01  KEY-SEQUENCE-TESTS.
00251          02  PRIOR-DEPT-VALUE        PIC 9(02) VALUE 0.
00252          02  PRIOR-COURSE-VALUE      PIC 9(05) VALUE 0.
00253          02  PRIOR-SECTION-VALUE     PIC 9(06) VALUE 0.
00254
00255      REPORT SECTION.
00256      RD  DEPT-LOAD-REPORT
00257          CONTROL IS FINAL
00258          PAGE LIMIT IS 66 LINES
00259          HEADING 2
00260          FIRST DETAIL 5
00261          LAST DETAIL 58.
00262
00263      01  DEPT-LOAD-HEADING TYPE PAGE HEADING.
00264          02  LINE 2.
00265              03  COLUMN 01    PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00266              03  COLUMN 15    PIC X(03) VALUE '(V)'.
00267              03  COLUMN 30    PIC X(05) VALUE 'Royal'.
00268              03  COLUMN 36    PIC X(06) VALUE 'Valley'.
00269              03  COLUMN 43    PIC X(10) VALUE 'University'.
00270              03  COLUMN 73    PIC X(04) VALUE 'Page'.
00271              03  COLUMN 78    PIC ZZ9   SOURCE PAGE-COUNTER
00272                              OF DEPT-LOAD-REPORT.
00273          02  LINE 3.
00274              03  COLUMN 01    PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00275              03  COLUMN 31    PIC X(21) VALUE 'Department Table Load'.
00276
00277      01  DEPT-LOAD-DETAIL TYPE DETAIL.
00278          02  LINE PLUS 1.
00279              03  COLUMN 12    PIC 9(02) SOURCE DTR-NUMBER.
00280              03  COLUMN 15    PIC X(40) SOURCE DTR-NAME.
00281              03  COLUMN 56    PIC X(30) SOURCE WS-STATUS-MESSAGE.
00282

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00283      01  DEPT-LOAD-SUMMARY TYPE CONTROL FOOTING FINAL.
00284      02  LINE PLUS 2.
00285          03  COLUMN 21    PIC ZZ,ZZ9 SOURCE DEPT-INPUT-COUNT.
00286          03  COLUMN 29    PIC X(30)  VALUE
00287              'Records read from DEPTI'.
00288      02  LINE PLUS 2.
00289          03  COLUMN 21    PIC ZZ,ZZ9 SOURCE DEPT-ERROR-COUNT.
00290          03  COLUMN 29    PIC X(30)  VALUE
00291              'Records omitted (with errors)'.
00292      02  LINE PLUS 2.
00293          03  COLUMN 21    PIC ZZ,ZZ9 SOURCE DEPT-OUTPUT-COUNT.
00294          03  COLUMN 29    PIC X(30)  VALUE
00295              'Records written to DEPTO'.
00296
00297      RD  COURSE-LOAD-REPORT
00298          CONTROL IS FINAL
00299          PAGE LIMIT IS 66 LINES
00300          HEADING 2
00301          FIRST DETAIL 5
00302          LAST DETAIL 58.
00303
00304      01  COURSE-LOAD-HEADING TYPE PAGE HEADING.
00305      02  LINE 2.
00306          03  COLUMN 01    PIC X(10)  SOURCE Y2K-DFMTP-OUTPUT.
00307          03  COLUMN 15    PIC X(03)  VALUE '(N)'.
00308          03  COLUMN 30    PIC X(05)  VALUE 'Royal'.
00309          03  COLUMN 36    PIC X(06)  VALUE 'Valley'.
00310          03  COLUMN 43    PIC X(10)  VALUE 'University'.
00311          03  COLUMN 73    PIC X(04)  VALUE 'Page'.
00312          03  COLUMN 78    PIC ZZ9    SOURCE PAGE-COUNTER
00313                      OF COURSE-LOAD-REPORT.
00314      02  LINE 3.
00315          03  COLUMN 01    PIC X(11)  SOURCE Y2K-GETDP-CLOCK12.
00316          03  COLUMN 33    PIC X(17)  VALUE 'Course Table Load'.
00317
00318      01  COURSE-LOAD-DETAIL TYPE DETAIL.
00319      02  LINE PLUS 1.
00320          03  COLUMN 04    PIC 9(05)  SOURCE CTR-NUMBER.
00321          03  COLUMN 10    PIC X(50)  SOURCE CTR-NAME.
00322          03  COLUMN 61    PIC 9(01)  SOURCE CTR-HOURS.
00323          03  COLUMN 63    PIC X(30)  SOURCE WS-STATUS-MESSAGE.
00324
00325      01  COURSE-LOAD-SUMMARY TYPE CONTROL FOOTING FINAL.
00326      02  LINE PLUS 2.
00327          03  COLUMN 21    PIC ZZ,ZZ9 SOURCE COURSE-INPUT-COUNT.
00328          03  COLUMN 29    PIC X(30)  VALUE
00329              'Records read from COURSEI'.
00330      02  LINE PLUS 2.
00331          03  COLUMN 21    PIC ZZ,ZZ9 SOURCE COURSE-ERROR-COUNT.
00332          03  COLUMN 29    PIC X(30)  VALUE
00333              'Records omitted (with errors)'.
00334      02  LINE PLUS 2.
00335          03  COLUMN 21    PIC ZZ,ZZ9 SOURCE COURSE-OUTPUT-COUNT.
00336          03  COLUMN 29    PIC X(30)  VALUE
00337              'Records written to COURSEO'.
00338
00339      RD  SECTION-LOAD-REPORT

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00340      CONTROL IS FINAL
00341      PAGE LIMIT IS 66 LINES
00342      HEADING 2
00343      FIRST DETAIL 5
00344      LAST DETAIL 58.
00345
00346      01 SECTION-LOAD-HEADING TYPE PAGE HEADING.
00347          02 LINE 2.
00348              03 COLUMN 01 PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00349              03 COLUMN 15 PIC X(03) VALUE '(N)'.
00350              03 COLUMN 30 PIC X(05) VALUE 'Royal'.
00351              03 COLUMN 36 PIC X(06) VALUE 'Valley'.
00352              03 COLUMN 43 PIC X(10) VALUE 'University'.
00353              03 COLUMN 73 PIC X(04) VALUE 'Page'.
00354              03 COLUMN 78 PIC ZZ9 SOURCE PAGE-COUNTER
00355                      OF SECTION-LOAD-REPORT.
00356          02 LINE 3.
00357              03 COLUMN 01 PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00358              03 COLUMN 32 PIC X(18) VALUE 'Section Table Load'.
00359
00360      01 SECTION-LOAD-DETAIL TYPE DETAIL.
00361          02 LINE PLUS 1.
00362              03 COLUMN 08 PIC 9(06) SOURCE STR-NUMBER.
00363              03 COLUMN 15 PIC X(20) SOURCE STR-DESCRIPTION.
00364              03 COLUMN 36 PIC X(30) SOURCE WS-STATUS-MESSAGE.
00365
00366      01 SECTION-LOAD-SUMMARY TYPE CONTROL FOOTING FINAL.
00367          02 LINE PLUS 2.
00368              03 COLUMN 21 PIC ZZ,ZZ9 SOURCE SECTION-INPUT-COUNT.
00369              03 COLUMN 29 PIC X(30) VALUE
00370                  'Records read from DEPTI'.
00371          02 LINE PLUS 2.
00372              03 COLUMN 21 PIC ZZ,ZZ9 SOURCE SECTION-ERROR-COUNT.
00373              03 COLUMN 29 PIC X(30) VALUE
00374                  'Records omitted (with errors)'.
00375          02 LINE PLUS 2.
00376              03 COLUMN 21 PIC ZZ,ZZ9 SOURCE SECTION-OUTPUT-COUNT.
00377              03 COLUMN 29 PIC X(30) VALUE
00378                  'Records written to DEPTO'.
00379
00380      PROCEDURE DIVISION.
00381
00382      0000-MAIN SECTION.
00383
00384      0000-HOUSEKEEPING.
00385
00386          CALL 'Y2KGETD' USING Y2K-GETD-PARAMETERS.
00387          MOVE Y2K-GETDP-DATE-G TO Y2K-DFMTP-DATEIN.
00388          MOVE '1' TO Y2K-DFMTP-MAJOR.
00389          MOVE '3' TO Y2K-DFMTP-MINOR.
00390          CALL 'Y2KDFMT' USING Y2K-DFMT-PARAMETERS.
00391
00392          OPEN OUTPUT REPORT-FILE.
00393
00394          MOVE 'TABLEO ' TO VSIO-DDNAME.
00395          MOVE VSIO-RRDS TO VSIO-ORGANIZATION.
00396          MOVE VSIO-DIRECT TO VSIO-ACCESS.

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00397      MOVE VSIO-OUTPUT TO VSIO-MODE.
00398      MOVE +57 TO VSIO-RECORD-LENGTH.
00399      MOVE VSIO-OPEN TO VSIO-COMMAND.
00400      CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLE0,
00401                      TABLES-RECORD.
00402      IF NOT VSIO-SUCCESS
00403          DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00404                  VSIO-COMMAND
00405          EXHIBIT NAMED VSIO-RETURN-CODE,
00406          EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00407                      VSIO-VSAM-FUNCTION-CODE,
00408                      VSIO-VSAM-FEEDBACK-CODE
00409      MOVE +12 TO RETURN-CODE
00410      STOP RUN.
00411
00412      0100-LOAD-DEPARTMENT-TABLE.
00413
00414      OPEN INPUT  DEPARTMENT-DATA-FILE.
00415
00416      INITIATE DEPT-LOAD-REPORT.
00417      PERFORM 1100-READ-DEPT-DATA
00418          THRU 1199-EXIT
00419          UNTIL DEPARTMENT-DATA-FILE-EOF.
00420      TERMINATE DEPT-LOAD-REPORT.
00421
00422      CLOSE DEPARTMENT-DATA-FILE.
00423
00424      0200-LOAD-COURSE-TABLE.
00425
00426      OPEN INPUT  COURSE-DATA-FILE.
00427
00428      INITIATE COURSE-LOAD-REPORT.
00429      PERFORM 1200-READ-COURSE-DATA
00430          THRU 1299-EXIT
00431          UNTIL COURSE-DATA-FILE-EOF.
00432      TERMINATE COURSE-LOAD-REPORT.
00433
00434      CLOSE COURSE-DATA-FILE.
00435
00436      0300-LOAD-SECTION-TABLE.
00437
00438      OPEN INPUT  SECTION-DATA-FILE.
00439
00440      INITIATE SECTION-LOAD-REPORT.
00441      PERFORM 1300-READ-SECTION-DATA
00442          THRU 1399-EXIT
00443          UNTIL SECTION-DATA-FILE-EOF.
00444      TERMINATE SECTION-LOAD-REPORT.
00445
00446      CLOSE SECTION-DATA-FILE.
00447
00448      0400-FINISH.
00449
00450      MOVE VSIO-CLOSE TO VSIO-COMMAND.
00451      CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLE0,
00452                      DEPARTMENT-TABLE-RECORD.
00453      IF NOT VSIO-SUCCESS
```

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00454          DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00455                  VSIO-COMMAND
00456          EXHIBIT NAMED VSIO-RETURN-CODE,
00457          EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00458                  VSIO-VSAM-FUNCTION-CODE,
00459                  VSIO-VSAM-FEEDBACK-CODE
00460          MOVE +12 TO RETURN-CODE
00461          STOP RUN.
00462
00463          CLOSE REPORT-FILE.
00464
00465          GOBACK.
00466
00467          1000-LEVEL-1-ROUTINES SECTION.
00468
00469          1100-READ-DEPT-DATA.
00470
00471          READ DEPARTMENT-DATA-FILE
00472          AT END
00473          MOVE 'Y' TO DEPARTMENT-DATA-FILE-EOF-SW.
00474
00475          IF NOT DEPARTMENT-DATA-FILE-EOF
00476          PERFORM 2100-PROCESS-DEPARTMENT
00477          THRU 2199-EXIT.
00478
00479          1199-EXIT.
00480          EXIT.
00481
00482          1200-READ-COURSE-DATA.
00483
00484          READ COURSE-DATA-FILE
00485          AT END
00486          MOVE 'Y' TO COURSE-DATA-FILE-EOF-SW.
00487
00488          IF NOT COURSE-DATA-FILE-EOF
00489          PERFORM 2200-PROCESS-COURSE
00490          THRU 2299-EXIT.
00491
00492          1299-EXIT.
00493          EXIT.
00494
00495          1300-READ-SECTION-DATA.
00496
00497          READ SECTION-DATA-FILE
00498          AT END
00499          MOVE 'Y' TO SECTION-DATA-FILE-EOF-SW.
00500
00501          IF NOT SECTION-DATA-FILE-EOF
00502          PERFORM 2300-PROCESS-SECTION
00503          THRU 2399-EXIT.
00504
00505          1399-EXIT.
00506          EXIT.
00507
00508          2000-LEVEL-2-ROUTINES SECTION.
00509
00510          2100-PROCESS-DEPARTMENT.
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10

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00511
00512         ADD 1 TO DEPT-INPUT-COUNT.
00513
00514         PERFORM 3100-DEPT-SEQUENCE-TESTS
00515             THRU 3199-EXIT.
00516
00517         IF OUT-OF-SEQUENCE
00518             MOVE 'Department number sequence error'
00519             TO WS-STATUS-MESSAGE
00520             ADD 1 TO DEPT-ERROR-COUNT.
00521
00522         IF DUPLICATE-KEY
00523             MOVE 'Department number duplicated'
00524             TO WS-STATUS-MESSAGE
00525             ADD 1 TO DEPT-ERROR-COUNT.
00526
00527         IF NO-SEQUENCE-ERROR
00528             PERFORM 3400-ADD-DEPARTMENT
00529             THRU 3499-EXIT.
00530
00531         GENERATE DEPT-LOAD-DETAIL.
00532
00533     2199-EXIT.
00534     EXIT.
00535
00536     2200-PROCESS-COURSE.
00537
00538         ADD 1 TO COURSE-INPUT-COUNT.
00539
00540         PERFORM 3200-COURSE-SEQUENCE-TESTS
00541             THRU 3299-EXIT.
00542
00543         IF OUT-OF-SEQUENCE
00544             MOVE 'Department number sequence error'
00545             TO WS-STATUS-MESSAGE
00546             ADD 1 TO COURSE-ERROR-COUNT.
00547
00548         IF DUPLICATE-KEY
00549             MOVE 'Department number duplicated'
00550             TO WS-STATUS-MESSAGE
00551             ADD 1 TO COURSE-ERROR-COUNT.
00552
00553         IF NO-SEQUENCE-ERROR
00554             PERFORM 3500-ADD-COURSE
00555             THRU 3599-EXIT.
00556
00557         GENERATE COURSE-LOAD-DETAIL.
00558
00559     2299-EXIT.
00560     EXIT.
00561
00562     2300-PROCESS-SECTION.
00563
00564         ADD 1 TO SECTION-INPUT-COUNT.
00565
00566         PERFORM 3300-SECTION-SEQUENCE-TESTS
00567             THRU 3399-EXIT.
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11

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00568
00569     IF OUT-OF-SEQUENCE
00570         MOVE 'Department number sequence error'
00571         TO WS-STATUS-MESSAGE
00572         ADD 1 TO SECTION-ERROR-COUNT.
00573
00574     IF DUPLICATE-KEY
00575         MOVE 'Department number duplicated'
00576         TO WS-STATUS-MESSAGE
00577         ADD 1 TO SECTION-ERROR-COUNT.
00578
00579     IF NO-SEQUENCE-ERROR
00580         PERFORM 3600-ADD-SECTION
00581         THRU 3699-EXIT.
00582
00583     GENERATE SECTION-LOAD-DETAIL.
00584
00585     2399-EXIT.
00586     EXIT.
00587
00588     3000-LEVEL-3-ROUTINES SECTION.
00589
00590     3100-DEPT-SEQUENCE-TESTS.
00591
00592         MOVE 0 TO KEY-SEQUENCE-ERROR-SW.
00593
00594         IF DDR-NUMBER NOT > PRIOR-DEPT-VALUE
00595             ADD 01 TO KEY-SEQUENCE-ERROR-SW.
00596
00597         IF DDR-NUMBER = PRIOR-DEPT-VALUE
00598             ADD 01 TO KEY-SEQUENCE-ERROR-SW.
00599
00600         MOVE DDR-NUMBER TO PRIOR-DEPT-VALUE.
00601
00602     3199-EXIT.
00603     EXIT.
00604
00605     3200-COURSE-SEQUENCE-TESTS.
00606
00607         MOVE 0 TO KEY-SEQUENCE-ERROR-SW.
00608
00609         IF CDR-NUMBER NOT > PRIOR-COURSE-VALUE
00610             ADD 01 TO KEY-SEQUENCE-ERROR-SW.
00611
00612         IF CDR-NUMBER = PRIOR-COURSE-VALUE
00613             ADD 01 TO KEY-SEQUENCE-ERROR-SW.
00614
00615         MOVE CDR-NUMBER TO PRIOR-COURSE-VALUE.
00616
00617     3299-EXIT.
00618     EXIT.
00619
00620     3300-SECTION-SEQUENCE-TESTS.
00621
00622         MOVE 0 TO KEY-SEQUENCE-ERROR-SW.
00623
00624         IF SDR-NUMBER NOT > PRIOR-SECTION-VALUE
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12

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00625          ADD 01 TO KEY-SEQUENCE-ERROR-SW.
00626
00627          IF SDR-NUMBER = PRIOR-SECTION-VALUE
00628              ADD 01 TO KEY-SEQUENCE-ERROR-SW.
00629
00630          MOVE CDR-NUMBER TO PRIOR-COURSE-VALUE.
00631
00632      3399-EXIT.
00633          EXIT.
00634
00635      3400-ADD-DEPARTMENT.
00636
00637          MOVE LOW-VALUES TO TABLES-RECORD.
00638          MOVE ZEROS TO DTR-KEY.
00639          MOVE DDR-NUMBER TO DTR-NUMBER.
00640          MOVE DDR-NAME TO DTR-NAME.
00641          MOVE DTR-KEY TO VSIO-RELATIVE-RECORD.
00642
00643          MOVE VSIO-WRITE TO VSIO-COMMAND.
00644          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLE0,
00645                          TABLES-RECORD.
00646
00647          IF VSIO-SUCCESS
00648              ADD 1 TO DEPT-OUTPUT-COUNT
00649              MOVE 'Record added'
00650                  TO WS-STATUS-MESSAGE
00651          ELSE
00652              IF VSIO-NO-MORE-SPACE
00653                  ADD 1 TO DEPT-ERROR-COUNT
00654                  MOVE 'No more space in cluster'
00655                      TO WS-STATUS-MESSAGE
00656              ELSE
00657                  DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00658                          VSIO-COMMAND
00659                  EXHIBIT NAMED VSIO-RETURN-CODE,
00660                  EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00661                          VSIO-VSAM-FUNCTION-CODE,
00662                          VSIO-VSAM-FEEDBACK-CODE
00663                  MOVE +12 TO RETURN-CODE
00664                  STOP RUN.
00665
00666      3499-EXIT.
00667          EXIT.
00668
00669      3500-ADD-COURSE.
00670
00671          MOVE LOW-VALUES TO TABLES-RECORD.
00672          MOVE ZEROS TO CTR-KEY.
00673          MOVE CDR-NUMBER TO CTR-NUMBER.
00674          MOVE CDR-NAME TO CTR-NAME.
00675          MOVE CDR-HOURS TO CTR-HOURS.
00676          MOVE CTR-KEY TO VSIO-RELATIVE-RECORD.
00677
00678          MOVE VSIO-WRITE TO VSIO-COMMAND.
00679          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLE0,
00680                          TABLES-RECORD.
00681
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13

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00682      IF VSIO-SUCCESS
00683          ADD 1 TO COURSE-OUTPUT-COUNT
00684          MOVE 'Record added'
00685              TO WS-STATUS-MESSAGE
00686      ELSE
00687          IF VSIO-NO-MORE-SPACE
00688              ADD 1 TO COURSE-ERROR-COUNT
00689              MOVE 'No more space in cluster'
00690                  TO WS-STATUS-MESSAGE
00691          ELSE
00692              DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00693                  VSIO-COMMAND
00694              EXHIBIT NAMED VSIO-RETURN-CODE,
00695                  EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00696                      VSIO-VSAM-FUNCTION-CODE,
00697                      VSIO-VSAM-FEEDBACK-CODE
00698              MOVE +12 TO RETURN-CODE
00699              STOP RUN.
00700
00701      3599-EXIT.
00702      EXIT.
00703
00704      3600-ADD-SECTION.
00705
00706          MOVE LOW-VALUES TO TABLES-RECORD.
00707          MOVE SDR-NUMBER TO STR-KEY.
00708          MOVE SDR-DESCRIPTION TO STR-DESCRIPTION.
00709          MOVE STR-KEY TO VSIO-RELATIVE-RECORD.
00710
00711          MOVE VSIO-WRITE TO VSIO-COMMAND.
00712          CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, TABLEO,
00713              TABLES-RECORD.
00714
00715      IF VSIO-SUCCESS
00716          ADD 1 TO SECTION-OUTPUT-COUNT
00717          MOVE 'Record added'
00718              TO WS-STATUS-MESSAGE
00719      ELSE
00720          IF VSIO-NO-MORE-SPACE
00721              ADD 1 TO SECTION-ERROR-COUNT
00722              MOVE 'No more space in cluster'
00723                  TO WS-STATUS-MESSAGE
00724          ELSE
00725              DISPLAY 'VSAMIO ERROR OCCURRED DURING '
00726                  VSIO-COMMAND
00727              EXHIBIT NAMED VSIO-RETURN-CODE,
00728                  EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,
00729                      VSIO-VSAM-FUNCTION-CODE,
00730                      VSIO-VSAM-FEEDBACK-CODE
00731              MOVE +12 TO RETURN-CODE
00732              STOP RUN.
00733
00734      3699-EXIT.
00735      EXIT.
00736
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INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=2-315	FD	DEPARTMENT-DATA-FILE	DCB=01		DNM=2-315		QSAM				F
DNM=2-351	01	DEPARTMENT-DATA-RECORD	BL=1	000	DNM=2-351	DS 0CL80	GROUP				
DNM=2-386	02	DDR-NUMBER	BL=1	000	DNM=2-386	DS 2C	DISP-NM				
DNM=2-406	02	DDR-NAME	BL=1	002	DNM=2-406	DS 40C	DISP				
DNM=2-424	02	FILLER	BL=1	02A	DNM=2-424	DS 38C	DISP				
DNM=2-440	FD	COURSE-DATA-FILE	DCB=02		DNM=2-440		QSAM				F
DNM=2-469	01	COURSE-DATA-RECORD	BL=2	000	DNM=2-469	DS 0CL80	GROUP				
DNM=3-000	02	CDR-NUMBER	BL=2	000	DNM=3-000	DS 5C	DISP-NM				
DNM=3-020	02	CDR-NAME	BL=2	005	DNM=3-020	DS 50C	DISP				
DNM=3-038	02	CDR-HOURS	BL=2	037	DNM=3-038	DS 1C	DISP-NM				
DNM=3-057	02	FILLER	BL=2	038	DNM=3-057	DS 24C	DISP				
DNM=3-076	FD	SECTION-DATA-FILE	DCB=03		DNM=3-076		QSAM				F
DNM=3-109	01	SECTION-DATA-RECORD	BL=3	000	DNM=3-109	DS 0CL80	GROUP				
DNM=3-141	02	SDR-NUMBER	BL=3	000	DNM=3-141	DS 6C	DISP-NM				
DNM=3-161	02	SDR-DESCRIPTION	BL=3	006	DNM=3-161	DS 20C	DISP				
DNM=3-186	02	FILLER	BL=3	01A	DNM=3-186	DS 54C	DISP				
DNM=3-205	FD	REPORT-FILE	DCB=04		DNM=3-205		QSAM				F
DNM=3-229	01	-0001	BL=4	000	DNM=3-229	DS 133C	DISP				
DNM=3-247	01	VSIO-PARAMETER-VALUES	BL=5	000	DNM=3-247	DS 0CL124	GROUP				
DNM=3-281	02	VSIO-OPEN	BL=5	000	DNM=3-281	DS 8C	DISP				
DNM=3-300	02	VSIO-CLOSE	BL=5	008	DNM=3-300	DS 8C	DISP				
DNM=3-320	02	VSIO-READ	BL=5	010	DNM=3-320	DS 8C	DISP				
DNM=3-342	02	VSIO-WRITE	BL=5	018	DNM=3-342	DS 8C	DISP				
DNM=3-362	02	VSIO-REWRITE	BL=5	020	DNM=3-362	DS 8C	DISP				
DNM=3-384	02	VSIO-DELETE	BL=5	028	DNM=3-384	DS 8C	DISP				
DNM=3-405	02	VSIO-START-KEY-EQUAL	BL=5	030	DNM=3-405	DS 8C	DISP				
DNM=3-435	02	VSIO-START-KEY-NOTLESS	BL=5	038	DNM=3-435	DS 8C	DISP				
DNM=3-467	02	VSIO-KSDS	BL=5	040	DNM=3-467	DS 4C	DISP				
DNM=3-486	02	VSIO-ESDS	BL=5	044	DNM=3-486	DS 4C	DISP				
DNM=4-000	02	VSIO-RRDS	BL=5	048	DNM=4-000	DS 4C	DISP				
DNM=4-019	02	VSIO-SEQUENTIAL	BL=5	04C	DNM=4-019	DS 10C	DISP				
DNM=4-044	02	VSIO-DIRECT	BL=5	056	DNM=4-044	DS 10C	DISP				
DNM=4-065	02	VSIO-DYNAMIC	BL=5	060	DNM=4-065	DS 10C	DISP				
DNM=4-087	02	VSIO-INPUT	BL=5	06A	DNM=4-087	DS 6C	DISP				
DNM=4-107	02	VSIO-OUTPUT	BL=5	070	DNM=4-107	DS 6C	DISP				
DNM=4-131	02	VSIO-INPUT-OUTPUT	BL=5	076	DNM=4-131	DS 6C	DISP				
DNM=4-161	01	VSIO-PARAMETER-BLOCK	BL=5	080	DNM=4-161	DS 0CL16	GROUP				
DNM=4-194	02	VSIO-COMMAND	BL=5	080	DNM=4-194	DS 8C	DISP				
DNM=4-216	02	VSIO-RETURN-CODE	BL=5	088	DNM=4-216	DS 2C	COMP				
DNM=4-245	88	VSIO-SUCCESS			DNM=4-245						
DNM=4-270	88	VSIO-LOGIC-ERROR			DNM=4-270						
DNM=4-299	88	VSIO-END-OF-FILE			DNM=4-299						
DNM=4-330	88	VSIO-PARAMETER-ERROR			DNM=4-330						
DNM=4-360	88	VSIO-COMMAND-UNKNOWN			DNM=4-360						
DNM=4-397	88	VSIO-DATASET-ALREADY-OPEN			DNM=4-397						
DNM=4-436	88	VSIO-DATASET-NOT-OPEN			DNM=4-436						
DNM=5-000	88	VSIO-ORGANIZATION-KEYWORD			DNM=5-000						
DNM=5-039	88	VSIO-ACCESS-KEYWORD			DNM=5-039						
DNM=5-072	88	VSIO-ACCESS-UNSUPPORTED			DNM=5-072						
DNM=5-112	88	VSIO-MODE-KEYWORD			DNM=5-112						
DNM=5-143	88	VSIO-MODE-UNSUPPORTED			DNM=5-143						
DNM=5-178	88	VSIO-DDNAME-BLANK			DNM=5-178						
DNM=5-209	02	VSIO-VSAM-RETURN-CODE	BL=5	08A	DNM=5-209	DS 2C	COMP				
DNM=5-240	02	VSIO-VSAM-FUNCTION-CODE	BL=5	08C	DNM=5-240	DS 2C	COMP				
DNM=5-273	02	VSIO-VSAM-FEEDBACK-CODE	BL=5	08E	DNM=5-273	DS 2C	COMP				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=5-309	88	VSIO-DUPLICATE-RECORD			DNM=5-309						
DNM=5-343	88	VSIO-SEQUENCE-ERROR			DNM=5-343						
DNM=5-376	88	VSIO-RECORD-NOT-FOUND			DNM=5-376						
DNM=5-411	88	VSIO-NO-MORE-SPACE			DNM=5-411						
DNM=5-443	88	VSIO-READ-WITHOUT-START			DNM=5-443						
DNM=5-483	01	TABLE0	BL=5	090	DNM=5-483	DS 0CL196	GROUP				
DNM=6-000	02	VSIO-DDNAME	BL=5	090	DNM=6-000	DS 8C	DISP				
DNM=6-021	02	VSIO-ORGANIZATION	BL=5	098	DNM=6-021	DS 4C	DISP				
DNM=6-048	02	VSIO-ACCESS	BL=5	09C	DNM=6-048	DS 10C	DISP				
DNM=6-069	02	VSIO-MODE	BL=5	0A6	DNM=6-069	DS 6C	DISP				
DNM=6-088	02	VSIO-RECORD-LENGTH	BL=5	0AC	DNM=6-088	DS 2C	COMP				
DNM=6-116	02	VSIO-KEY-ARGUMENT	BL=5	0AE	DNM=6-116	DS 0CL4	GROUP				
DNM=6-146	03	VSIO-KEY-POSITION	BL=5	0AE	DNM=6-146	DS 2C	COMP				
DNM=6-176	03	VSIO-KEY-LENGTH	BL=5	0B0	DNM=6-176	DS 2C	COMP				
DNM=6-201	02	VSIO-RELATIVE-RECORD	BL=5	0AE	DNM=6-201	DS 4C	COMP	R			
DNM=6-231	02	FILLER	BL=5	0B2	DNM=6-231	DS 1C	DISP				
DNM=6-253	88	VSIO-FILE-OPEN			DNM=6-253						
DNM=6-278	88	VSIO-FILE-CLOSED			DNM=6-278						
DNM=6-305	02	FILLER	BL=5	0B3	DNM=6-305	DS 161C	DISP				
DNM=6-324	01	TABLES-RECORD	BL=5	158	DNM=6-324	DS 57C	DISP				
DNM=6-347	01	DEPARTMENT-TABLE-RECORD	BL=5	158	DNM=6-347	DS 0CL46	GROUP	R			
DNM=6-383	02	DTR-KEY	BL=5	158	DNM=6-383	DS 6C	DISP-NM				
DNM=6-400	02	FILLER	BL=5	158	DNM=6-400	DS 0CL6	GROUP	R			
DNM=6-422	03	DTR-NUMBER	BL=5	158	DNM=6-422	DS 2C	DISP-NM				
DNM=6-442	03	FILLER	BL=5	15A	DNM=6-442	DS 4C	DISP-NM				
DNM=6-461	02	DTR-NAME	BL=5	15E	DNM=6-461	DS 40C	DISP				
DNM=6-479	01	COURSE-TABLE-RECORD	BL=5	158	DNM=6-479	DS 0CL57	GROUP	R			
DNM=7-000	02	CTR-KEY	BL=5	158	DNM=7-000	DS 6C	DISP-NM				
DNM=7-017	02	FILLER	BL=5	158	DNM=7-017	DS 0CL6	GROUP	R			
DNM=7-039	03	CTR-NUMBER	BL=5	158	DNM=7-039	DS 5C	DISP-NM				
DNM=7-059	03	FILLER	BL=5	15D	DNM=7-059	DS 1C	DISP-NM				
DNM=7-078	02	CTR-NAME	BL=5	15E	DNM=7-078	DS 50C	DISP				
DNM=7-096	02	CTR-HOURS	BL=5	190	DNM=7-096	DS 1C	DISP-NM				
DNM=7-115	01	SECTION-TABLE-RECORD	BL=5	158	DNM=7-115	DS 0CL26	GROUP	R			
DNM=7-148	02	STR-KEY	BL=5	158	DNM=7-148	DS 6C	DISP-NM				
DNM=7-165	02	STR-NUMBER	BL=5	158	DNM=7-165	DS 6C	DISP-NM	R			
DNM=7-188	02	STR-DESCRIPTION	BL=5	15E	DNM=7-188	DS 20C	DISP				
DNM=7-213	01	DEPARTMENT-DATA-FILE-EOF-SW	BL=5	198	DNM=7-213	DS 1C	DISP				
DNM=7-253	88	DEPARTMENT-DATA-FILE-EOF			DNM=7-253						
DNM=7-288	01	COURSE-DATA-FILE-EOF-SW	BL=5	1A0	DNM=7-288	DS 1C	DISP				
DNM=7-324	88	COURSE-DATA-FILE-EOF			DNM=7-324						
DNM=7-355	01	SECTION-DATA-FILE-EOF-SW	BL=5	1A8	DNM=7-355	DS 1C	DISP				
DNM=7-392	88	SECTION-DATA-FILE-EOF			DNM=7-392						
DNM=7-424	01	KEY-SEQUENCE-ERROR-SW	BL=5	1B0	DNM=7-424	DS 2C	DISP-NM				
DNM=7-458	88	NO-SEQUENCE-ERROR			DNM=7-458						
DNM=8-000	88	OUT-OF-SEQUENCE			DNM=8-000						
DNM=8-029	88	DUPLICATE-KEY			DNM=8-029						
DNM=8-059	01	WS-STATUS-MESSAGE	BL=5	1B8	DNM=8-059	DS 30C	DISP				
DNM=8-086	01	Y2K-GETD-PARAMETERS	BL=5	1D8	DNM=8-086	DS 0CL41	GROUP				
DNM=8-118	02	Y2K-GETDP-DATE-G	BL=5	1D8	DNM=8-118	DS 8C	DISP-NM				
DNM=8-144	02	Y2K-GETDP-DATE-J	BL=5	1E0	DNM=8-144	DS 7C	DISP-NM				
DNM=8-173	02	Y2K-GETDP-ANUM	BL=5	1E7	DNM=8-173	DS 7C	DISP-NM				
DNM=8-200	02	Y2K-GETDP-CLOCK	BL=5	1EE	DNM=8-200	DS 8C	DISP-NM				
DNM=8-228	02	FILLER	BL=5	1EE	DNM=8-228	DS 0CL8	GROUP	R			
DNM=8-250	03	Y2K-GETDP-CLOCK-HH	BL=5	1EE	DNM=8-250	DS 2C	DISP-NM				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=8-281	03	Y2K-GETDP-CLOCK-MM	BL=5	1F0	DNM=8-281	DS 2C	DISP-NM				
DNM=8-312	03	Y2K-GETDP-CLOCK-SS	BL=5	1F2	DNM=8-312	DS 2C	DISP-NM				
DNM=8-340	03	Y2K-GETDP-CLOCK-T	BL=5	1F4	DNM=8-340	DS 1C	DISP-NM				
DNM=8-367	03	Y2K-GETDP-CLOCK-H	BL=5	1F5	DNM=8-367	DS 1C	DISP-NM				
DNM=8-397	02	Y2K-GETDP-CLOCK12	BL=5	1F6	DNM=8-397	DS 11C	DISP				
DNM=8-424	01	Y2K-DFMT-PARAMETERS	BL=5	208	DNM=8-424	DS 0CL42	GROUP				
DNM=8-456	02	Y2K-DFMTP-DATEIN	BL=5	208	DNM=8-456	DS 8C	DISP				
DNM=9-000	02	Y2K-DFMTP-MAJOR	BL=5	210	DNM=9-000	DS 1C	DISP				
DNM=9-028	02	Y2K-DFMTP-MINOR	BL=5	211	DNM=9-028	DS 1C	DISP				
DNM=9-053	02	Y2K-DFMTP-RETURN-CODE	BL=5	212	DNM=9-053	DS 1C	DISP-NM				
DNM=9-087	02	Y2K-DFMTP-OUTPUT-SIZE	BL=5	213	DNM=9-087	DS 2C	DISP-NM				
DNM=9-118	02	Y2K-DFMTP-OUTPUT	BL=5	215	DNM=9-118	DS 29C	DISP				
DNM=9-144	01	DEPT-INPUT-COUNT	BL=5	238	DNM=9-144	DS 5C	DISP-NM				
DNM=9-170	01	DEPT-ERROR-COUNT	BL=5	240	DNM=9-170	DS 5C	DISP-NM				
DNM=9-196	01	DEPT-OUTPUT-COUNT	BL=5	248	DNM=9-196	DS 5C	DISP-NM				
DNM=9-223	01	COURSE-INPUT-COUNT	BL=5	250	DNM=9-223	DS 5C	DISP-NM				
DNM=9-251	01	COURSE-ERROR-COUNT	BL=5	258	DNM=9-251	DS 5C	DISP-NM				
DNM=9-279	01	COURSE-OUTPUT-COUNT	BL=5	260	DNM=9-279	DS 5C	DISP-NM				
DNM=9-308	01	SECTION-INPUT-COUNT	BL=5	268	DNM=9-308	DS 5C	DISP-NM				
DNM=9-340	01	SECTION-ERROR-COUNT	BL=5	270	DNM=9-340	DS 5C	DISP-NM				
DNM=9-369	01	SECTION-OUTPUT-COUNT	BL=5	278	DNM=9-369	DS 5C	DISP-NM				
DNM=9-402	01	KEY-SEQUENCE-TESTS	BL=5	280	DNM=9-402	DS 0CL13	GROUP				
DNM=9-433	02	PRIOR-DEPT-VALUE	BL=5	280	DNM=9-433	DS 2C	DISP-NM				
DNM=9-459	02	PRIOR-COURSE-VALUE	BL=5	282	DNM=9-459	DS 5C	DISP-NM				
DNM=10-000	02	PRIOR-SECTION-VALUE	BL=5	287	DNM=10-000	DS 6C	DISP-NM				
DNM=10-032	01	PRINT-SWITCH	BL=5	290	DNM=10-032	DS 1C	DISP-NM				
DNM=10-054	RD	DEPT-LOAD-REPORT			DNM=10-054						
DNM=10-085	01	CTL.LVL	BL=5	298	DNM=10-085	DS 2P	COMP-3				
DNM=10-102	01	TER.COD	BL=5	2A0	DNM=10-102	DS 1C	DISP				
DNM=10-119	01	FRS.GEN	BL=5	2A8	DNM=10-119	DS 1C	DISP				
DNM=10-136	01	LIN.SAV	BL=5	2B0	DNM=10-136	DS 2C	COMP				
DNM=10-156	01	FRS.GRP	BL=5	2B8	DNM=10-156	DS 1C	DISP				
DNM=10-173	01	ABS.LIN	BL=5	2C0	DNM=10-173	DS 2C	COMP				
DNM=10-190	01	LIN.NUM	BL=5	2C8	DNM=10-190	DS 2P	COMP-3				
DNM=10-210	01	LINE-COUNTER	BL=5	2D0	DNM=10-210	DS 3P	COMP-3				
DNM=10-232	01	PAGE-COUNTER	BL=5	2D8	DNM=10-232	DS 3P	COMP-3				
DNM=10-254	01	RPT.RCD	BL=5	2E0	DNM=10-254	DS 0CL133	GROUP				
DNM=10-274	02	CTL.CHR	BL=5	2E0	DNM=10-274	DS 1C	DISP				
DNM=10-291	02	RPT.LIN	BL=5	2E1	DNM=10-291	DS 132C	DISP				
DNM=10-308	02	E.0001	BL=5	2E1	DNM=10-308	DS 10C	DISP	R			
DNM=10-324	02	E.0002	BL=5	2EF	DNM=10-324	DS 3C	DISP	R			
DNM=10-340	02	E.0003	BL=5	2FE	DNM=10-340	DS 5C	DISP	R			
DNM=10-356	02	E.0004	BL=5	304	DNM=10-356	DS 6C	DISP	R			
DNM=10-372	02	E.0005	BL=5	30B	DNM=10-372	DS 10C	DISP	R			
DNM=10-388	02	E.0006	BL=5	329	DNM=10-388	DS 4C	DISP	R			
DNM=10-404	02	E.0007	BL=5	32E	DNM=10-404	DS 3C	NM-EDIT	R			
DNM=10-430	02	E.0008	BL=5	2E1	DNM=10-430	DS 11C	DISP	R			
DNM=10-446	02	E.0009	BL=5	2FF	DNM=10-446	DS 21C	DISP	R			
DNM=10-462	02	E.0010	BL=5	2EC	DNM=10-462	DS 2C	DISP-NM	R			
DNM=10-478	02	E.0011	BL=5	2EF	DNM=10-478	DS 40C	DISP	R			
DNM=10-494	02	E.0012	BL=5	318	DNM=10-494	DS 30C	DISP	R			
DNM=11-000	02	E.0013	BL=5	2F5	DNM=11-000	DS 6C	NM-EDIT	R			
DNM=11-027	02	E.0014	BL=5	2FD	DNM=11-027	DS 30C	DISP	R			
DNM=11-046	02	E.0015	BL=5	2F5	DNM=11-046	DS 6C	NM-EDIT	R			
DNM=11-076	02	E.0016	BL=5	2FD	DNM=11-076	DS 30C	DISP	R			

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=11-095	02	E.0017	BL=5	2F5	DNM=11-095	DS 6C	NM-EDIT	R			
DNM=11-125	02	E.0018	BL=5	2FD	DNM=11-125	DS 30C	DISP	R			
DNM=11-141	01	N.0001	BL=5	368	DNM=11-141	DS 2C	COMP				
DNM=11-160	01	N.0002	BL=5	370	DNM=11-160	DS 2C	COMP				
DNM=11-176	01	GRP.IND	BL=5	378	DNM=11-176	DS 0CL1	GROUP				
DNM=11-196	02	GP.0000	BL=5	378	DNM=11-196	DS 1C	DISP				
DNM=11-213	RD	COURSE - LOAD - REPORT			DNM=11-213						
DNM=11-243	01	CTL.LVL	BL=5	380	DNM=11-243	DS 2P	COMP-3				
DNM=11-263	01	TER.COD	BL=5	388	DNM=11-263	DS 1C	DISP				
DNM=11-283	01	FRS.GEN	BL=5	390	DNM=11-283	DS 1C	DISP				
DNM=11-303	01	LIN.SAV	BL=5	398	DNM=11-303	DS 2C	COMP				
DNM=11-323	01	FRS.GRP	BL=5	3A0	DNM=11-323	DS 1C	DISP				
DNM=11-343	01	ABS.LIN	BL=5	3A8	DNM=11-343	DS 2C	COMP				
DNM=11-363	01	LIN.NUM	BL=5	3B0	DNM=11-363	DS 2P	COMP-3				
DNM=11-383	01	LINE-COUNTER	BL=5	3B8	DNM=11-383	DS 3P	COMP-3				
DNM=11-408	01	PAGE-COUNTER	BL=5	3C0	DNM=11-408	DS 3P	COMP-3				
DNM=11-433	01	RPT.RCD	BL=5	3C8	DNM=11-433	DS 0CL133	GROUP				
DNM=11-456	02	CTL.CHR	BL=5	3C8	DNM=11-456	DS 1C	DISP				
DNM=11-476	02	RPT.LIN	BL=5	3C9	DNM=11-476	DS 132C	DISP				
DNM=12-000	02	E.0019	BL=5	3C9	DNM=12-000	DS 10C	DISP		R		
DNM=12-016	02	E.0020	BL=5	3D7	DNM=12-016	DS 3C	DISP		R		
DNM=12-032	02	E.0021	BL=5	3E6	DNM=12-032	DS 5C	DISP		R		
DNM=12-048	02	E.0022	BL=5	3EC	DNM=12-048	DS 6C	DISP		R		
DNM=12-064	02	E.0023	BL=5	3F3	DNM=12-064	DS 10C	DISP		R		
DNM=12-080	02	E.0024	BL=5	411	DNM=12-080	DS 4C	DISP		R		
DNM=12-099	02	E.0025	BL=5	416	DNM=12-099	DS 3C	NM-EDIT		R		
DNM=12-122	02	E.0026	BL=5	3C9	DNM=12-122	DS 11C	DISP		R		
DNM=12-141	02	E.0027	BL=5	3E9	DNM=12-141	DS 17C	DISP		R		
DNM=12-157	02	E.0028	BL=5	3CC	DNM=12-157	DS 5C	DISP-NM		R		
DNM=12-173	02	E.0029	BL=5	3D2	DNM=12-173	DS 50C	DISP		R		
DNM=12-192	02	E.0030	BL=5	405	DNM=12-192	DS 1C	DISP-NM		R		
DNM=12-208	02	E.0031	BL=5	407	DNM=12-208	DS 30C	DISP		R		
DNM=12-224	02	E.0032	BL=5	3DD	DNM=12-224	DS 6C	NM-EDIT		R		
DNM=12-251	02	E.0033	BL=5	3E5	DNM=12-251	DS 30C	DISP		R		
DNM=12-267	02	E.0034	BL=5	3DD	DNM=12-267	DS 6C	NM-EDIT		R		
DNM=12-294	02	E.0035	BL=5	3E5	DNM=12-294	DS 30C	DISP		R		
DNM=12-310	02	E.0036	BL=5	3DD	DNM=12-310	DS 6C	NM-EDIT		R		
DNM=12-337	02	E.0037	BL=5	3E5	DNM=12-337	DS 30C	DISP		R		
DNM=12-353	01	N.0003	BL=5	450	DNM=12-353	DS 2C	COMP				
DNM=12-372	01	N.0004	BL=5	458	DNM=12-372	DS 2C	COMP				
DNM=12-391	01	GRP.IND	BL=5	460	DNM=12-391	DS 0CL1	GROUP				
DNM=12-414	02	GP.0000	BL=5	460	DNM=12-414	DS 1C	DISP				
DNM=12-434	RD	SECTION - LOAD - REPORT			DNM=12-434						
DNM=12-465	01	CTL.LVL	BL=5	468	DNM=12-465	DS 2P	COMP-3				
DNM=12-485	01	TER.COD	BL=5	470	DNM=12-485	DS 1C	DISP				
DNM=13-000	01	FRS.GEN	BL=5	478	DNM=13-000	DS 1C	DISP				
DNM=13-020	01	LIN.SAV	BL=5	480	DNM=13-020	DS 2C	COMP				
DNM=13-040	01	FRS.GRP	BL=5	488	DNM=13-040	DS 1C	DISP				
DNM=13-060	01	ABS.LIN	BL=5	490	DNM=13-060	DS 2C	COMP				
DNM=13-080	01	LIN.NUM	BL=5	498	DNM=13-080	DS 2P	COMP-3				
DNM=13-100	01	LINE-COUNTER	BL=5	4A0	DNM=13-100	DS 3P	COMP-3				
DNM=13-125	01	PAGE-COUNTER	BL=5	4A8	DNM=13-125	DS 3P	COMP-3				
DNM=13-150	01	RPT.RCD	BL=5	4B0	DNM=13-150	DS 0CL133	GROUP				
DNM=13-173	02	CTL.CHR	BL=5	4B0	DNM=13-173	DS 1C	DISP				
DNM=13-193	02	RPT.LIN	BL=5	4B1	DNM=13-193	DS 132C	DISP				

INTRNL NAME	LVL	SOURCE	NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=13-213	02	E.0038		BL=5	4B1	DNM=13-213	DS 10C	DISP	R			
DNM=13-229	02	E.0039		BL=5	4BF	DNM=13-229	DS 3C	DISP	R			
DNM=13-248	02	E.0040		BL=5	4CE	DNM=13-248	DS 5C	DISP	R			
DNM=13-264	02	E.0041		BL=5	4D4	DNM=13-264	DS 6C	DISP	R			
DNM=13-280	02	E.0042		BL=5	4DB	DNM=13-280	DS 10C	DISP	R			
DNM=13-296	02	E.0043		BL=5	4F9	DNM=13-296	DS 4C	DISP	R			
DNM=13-312	02	E.0044		BL=5	4FE	DNM=13-312	DS 3C	NM-EDIT	R			
DNM=13-335	02	E.0045		BL=5	4B1	DNM=13-335	DS 11C	DISP	R			
DNM=13-354	02	E.0046		BL=5	4D0	DNM=13-354	DS 18C	DISP	R			
DNM=13-370	02	E.0047		BL=5	4B8	DNM=13-370	DS 6C	DISP-NM	R			
DNM=13-389	02	E.0048		BL=5	4BF	DNM=13-389	DS 20C	DISP	R			
DNM=13-408	02	E.0049		BL=5	4D4	DNM=13-408	DS 30C	DISP	R			
DNM=13-427	02	E.0050		BL=5	4C5	DNM=13-427	DS 6C	NM-EDIT	R			
DNM=13-454	02	E.0051		BL=5	4CD	DNM=13-454	DS 30C	DISP	R			
DNM=13-470	02	E.0052		BL=5	4C5	DNM=13-470	DS 6C	NM-EDIT	R			
DNM=14-000	02	E.0053		BL=5	4CD	DNM=14-000	DS 30C	DISP	R			
DNM=14-016	02	E.0054		BL=5	4C5	DNM=14-016	DS 6C	NM-EDIT	R			
DNM=14-043	02	E.0055		BL=5	4CD	DNM=14-043	DS 30C	DISP	R			
DNM=14-059	01	N.0005		BL=5	538	DNM=14-059	DS 2C	COMP				
DNM=14-075	01	N.0006		BL=5	540	DNM=14-075	DS 2C	COMP				
DNM=14-091	01	GRP.IND		BL=5	548	DNM=14-091	DS 0CL1	GROUP				
DNM=14-114	02	GP.0000		BL=5	548	DNM=14-114	DS 1C	DISP				

```
*STATISTICS*      SOURCE RECORDS =   736      DATA DIVISION STATEMENTS =   148      PROCEDURE DIVISION STATEMENTS =   179
*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=(65536,38912)
IEW0000 NAME LOAD02V(R)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
LOAD02V	00	3232								
ILBODSP0*	3238	700								
ILBOSPA0*	3938	2D8								
ILBOSTP0*	3C10	35								
			ILBOSTP1	3C26						
VSAMIO *	3C48	D0A								
Y2KDFMT *	4958	60A								
Y2KDOWN *	4F68	FB								
Y2KGT0A *	5068	2DF								
Y2KGETD *	5348	201								
Y2KGT0J *	5550	137								
Y2KJTOG *	5688	1CD								
Y2KATOG *	5858	27A								
LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION		LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION		
BB8		ILBOSTP0	ILBOSTP0		BBC		ILBOSPA0	ILBOSPA0		
BC0		Y2KGETD	Y2KGETD		BC4		Y2KDFMT	Y2KDFMT		
BC8		VSAMIO	VSAMIO		BCC		ILBODSP0	ILBODSP0		
BD0		ILBOSTP1	ILBOSTP0		4F40		Y2KDOWN	Y2KDOWN		
5048		Y2KGT0A	Y2KGT0A		5518		Y2KJTOG	Y2KJTOG		
551C		Y2KGT0J	Y2KGT0J		5520		Y2KGT0A	Y2KGT0A		
5668		Y2KGT0A	Y2KGT0A		5828		Y2KGT0A	Y2KGT0A		
582C		Y2KATOG	Y2KATOG							
ENTRY ADDRESS		00								
TOTAL LENGTH		5AD8								
****LOAD02V DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET										
AUTHORIZATION CODE IS		0.								