資料處理教育用
84 -14

物價指數
터미날使用指針書

1984. 2.

經濟企劃院 調査統計局

일 러 두 기

이 冊은 物價統計調査의 必要한 結果表를 터미날에서 누구나 쉽게 作成할 수 있도록 만든 資料處理節次 및 프로그램 利用에 關한 指針書입니다.

프로그램 利用時 疑問點이 있으시면 資料處理課로 問議하시기 바랍니다.

資料處理課長 崔 燉 哲

問議處 : 構內 (310) 李 慶 義
黃 姬 英
構內 (305) 具 成 會
李 忠 鶴

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Program 目 錄

1. SOURCE PROGRAM LIST

SRXWUM54

(RAW DATA CHECK)

FILE: SRXWUM54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWUM54 JOB CLASS=V,TYPRUN=HOLD,MSGCLASS=O                          SRX00070
//        EXEC PLIFCLG                                                 SRX00080
//PLI.SYSPRINT DD SYSOUT=O                                             SRX00090
//PLI.SYSIN DD *                                                       SRX00100
* PROCESS GS,NEST,OPT(TIME);                                          SRX00110
 MASTER: PROC OPTIONS (MAIN);                                         SRX00120
       DCL  ISAM FILE RECORD KEYED ENV(INDEXED);                      SRX00130
 DCL SERSE  PIC '999';                                                SRX00140
 DCL SERSE2 PIC '999';                                                SRX00150
      DCL  HGBATCH ENTRY OPTIONS(ASSEMBLER);                          SRX00160
      DCL FUNC  CHAR(2) INIT('IO');                                   SRX00170
      DCL  RTC   CHAR(2);                                             SRX00180
 DCL 1 ISAMREC,                                                       SRX00190
      2 KEY          CHAR (7) ,                                      SRX00200
      2 BUN9    CHAR(6) ,
      2 HGCHAR       CHAR(25) ,                                      SRX00210
           2 SGCOD    CHAR(6),                                       SRX00220
      2 SELECTCOD   CHAR(1) ,                                        SRX00230
      2 PUMWGT       FIXED BIN (15) ALIGNED,                         SRX00240
      2 CITYWGT      FIXED BIN (15) ALIGNED,                         SRX00250
      2 DATA1  (147),                                                SRX00260
        3 STDPRICE  FIXED BIN (31) ALIGNED,                          SRX00270
        3 MAKPRICE  FIXED BIN (31) ALIGNED,                          SRX00280
        3 DEXPRICE  FIXED BIN (31) ALIGNED,                          SRX00290
        3 DEX       FIXED BIN (31) ALIGNED ;                         SRX00300
       DCL PUM PIC '(5)9' DEF KEY,                                   SRX00310
           KEY1 PIC '99' DEF KEY POS(6);                             SRX00320
 DCL CARD FILE RECORD INPUT;                                          SRX00330
 DCL 1 CARDREC,                                                       SRX00340
      2 OPT   CHAR (4) ,                                             SRX00350
      2 FILLER1 CHAR(4),                                             SRX00360
      2 CID   PIC '9',                                               SRX00370
      2 YMS   CHAR(5),                                               SRX00380
      2 FI2   CHAR(66);                                              SRX00390
 DCL YY PIC '99' DEF YMS,                                            SRX00400
      MM PIC '99' DEF YMS POS(3),                                    SRX00410
      SN PIC '9'  DEF YMS POS(5);                                    SRX00420
      OPEN    FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66);             SRX00430
           OPEN     FILE(CARD);                                      SRX00440
           ON ENDFILE(CARD)   GOTO LAST;                             SRX00450
       CARDRD:                                                       SRX00460
           READ  FILE(CARD)   INTO(CARDREC);                         SRX00470
           SERSE =(((YY - 82) * 49)+ ((MM - 1) * 4)) + SN;           SRX00480
      SERSE2 =(((YY - 83) * 49)+ ((MM - 1) * 4))+ SN;                SRX00490
           IF  OPT = 'TBSN' THEN  CALL SUBTBRTN;                     SRX00500
           IF  OPT = 'TBMN' THEN  CALL SUBTBRTN;                     SRX00510
           GOTO CARDRD;                                              SRX00520
 SUBTBRTN: PROCEDURE;                                                SRX00530
           CALL  SRSRTN;                                             SRX00540
       DCL TPRC  (10) FLOAT;                                         SRX00550
       DCL TDEX  (10)  FLOAT;                                        SRX00560
   DCL  1 HEADHG,                                                    SRX00570
         2 HHG1 CHAR (132),                                          SRX00580
         2 HHG2 CHAR (132),                                          SRX00590
         2 HHG3 CHAR (132);                                          SRX00600
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FILE: SRXWUM54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

   DCL  1 CTHG,                                                                  SRX00610
         2 CTHG1 CHAR (132),                                                     SRX00620
         2 CTHG2 CHAR (132),                                                     SRX00630
         2 CTHG3 CHAR (132);                                                     SRX00640
   DCL   HEADA1 CHAR (50);                                                       SRX00650
  DCL 1 CTHG1, 2 CHG11 CHAR(132), 2 CHG12 CHAR(132), 2 CHG13 CHAR(132);          SRX00660
  DCL 1 CTHG2, 2 CHG21 CHAR(132), 2 CHG22 CHAR(132), 2 CHG23 CHAR(132);          SRX00670
  DCL 1 CTHG3, 2 CHG31 CHAR(132), 2 CHG32 CHAR(132), 2 CHG33 CHAR(132);          SRX00680
  DCL 1 CTHG4, 2 CHG41 CHAR(132), 2 CHG42 CHAR(132), 2 CHG43 CHAR(132);          SRX00690
  DCL 1 CTHG5, 2 CHG51 CHAR(132), 2 CHG52 CHAR(132), 2 CHG53 CHAR(132);          SRX00700
  DCL 1 CTHG6, 2 CHG61 CHAR(132), 2 CHG62 CHAR(132), 2 CHG63 CHAR(132);          SRX00710
  DCL 1 CTHG7, 2 CHG71 CHAR(132), 2 CHG72 CHAR(132), 2 CHG73 CHAR(132);          SRX00720
  DCL 1 CTHG8, 2 CHG81 CHAR(132), 2 CHG82 CHAR(132), 2 CHG83 CHAR(132);          SRX00730
   DCL  O      PIC '99';                                                        SRX00740
   DCL  TAB1 (6,50,10)  FLOAT;                                                  SRX00750
   DCL  YCODTB  (50)  PIC '(5)9';                                               SRX00760
   DCL  YPUMHG  (50)  CHAR (25);                                                SRX00770
       DCL 1 CTHG12,                                                            SRX00780
            2 CHG121 CHAR(132),                                                 SRX00790
            2 CHG122 CHAR(132),                                                 SRX00800
            2 CHG123 CHAR(132);                                                 SRX00810
      DCL DOSINAME (10) CHAR(10) INIT('SEOUL','BUSAN','TEAGOO',                 SRX00820
      'INCHON','DEAJON','KWANGJOO','JUNJOO','CHUNCHON','CHUNGJOO',             SRX00830
      'JUNDOSI');                                                               SRX00840
      DCL DAY PIC '99';                                                         SRX00850
      DCL  JYY PIC '99';                                                        SRX00860
      DCL L50 FIXED BIN(15) INIT(25);                                           SRX00870
      DCL L8  FIXED BIN(15) INIT(25);                                           SRX00880
      DCL L6  FIXED BIN(15) INIT(25);                                           SRX00890
      DCL L30       FIXED BIN(15) INIT(25);                                     SRX00900
      DCL L10       FIXED BIN(15) INIT(25);                                     SRX00910
      DCL D1    FLOAT ,                                                         SRX00920
          D2    FLOAT ,                                                         SRX00930
          D3    FLOAT ,                                                         SRX00940
          D4    FLOAT ;                                                         SRX00950
      DCL K1    FLOAT ,                                                         SRX00960
          K2    FLOAT ,                                                         SRX00970
          K3    FLOAT ,                                                         SRX00980
          K4    FLOAT ;                                                         SRX00990
       DCL TAB2  (6,500,2)  FLOAT;                                              SRX01000
      DCL PUMCODE  (500) PIC '(5)9';              /* TAB #3 */                  SRX01010
      DCL PCODEHG  (500)  CHAR(25) ;              /* TAB #3 */                  SRX01020
      DCL P    PIC '999' INIT(1);                                               SRX01030
      DCL  SRS1  PIC '999',                                                     SRX01040
           SRS2  PIC '999',                                                     SRX01050
           SRS3  PIC '999',                                                     SRX01060
           SRS4  PIC '999';                                                     SRX01070
       DCL SRSB1 PIC '999',                                                     SRX01080
           SRSB2 PIC '999',                                                     SRX01090
           SRSB3 PIC '999',                                                     SRX01100
           SRSB4 PIC '999';                                                     SRX01110
      DCL TOTDEX1  (2)  PIC '9999V99';      /* TAB #7 */                        SRX01120
       DCL CITY     PIC '99';                                                   SRX01130
       DCL MARGIN1  PIC '(7)9';                                                 SRX01140
       DCL NOMIKEY  (2) PIC '(7)9' INIT(9999901,9999999);                       SRX01150
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FILE: SRXWUM54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
       DCL NOMI           PIC '(7)9';                                          SRX01160
       DCL INDEX1         PIC '9';           /*  TAB #7 */                    SRX01170
       DCL SW             PIC '9'  INIT(0); /* TAB #2 & #9 */                 SRX01180
       DCL SAVEPUM        PIC '(5)9';        /* TAB #2 & #9 */                SRX01190
       DCL SAVEHG    CHAR(25);               /* TAB #2 & #9 */                SRX01200
       DCL COUNT     PIC '99' INIT(2);                                        SRX01210
       DCL J      PIC   '999' INIT(1);       /* TAB #2 & #9 */                SRX01220
       DCL TAB4  (6,21,4)    FLOAT;                                           SRX01230
       DCL HGTB4 (21)   CHAR(25);                                             SRX01240
       DCL PCOD4 (21) PIC '99999' INIT(99999,19999,10199,10299,10399,         SRX01250
                  10499,10599,10699,10799,10899,10999,11099,11199,            SRX01260
                  11299,11399,11499,88888,29999,39999,49999,59999);            SRX01270
       DCL HED   PIC '99';                                                    SRX01280
       DCL TIT   PIC '99';                                                    SRX01290
       DAY=SN*10-5;                                                           SRX01300
       IF SN=4 THEN DO;  DAY=0; END;                                          SRX01310
           IF  OPT  = 'TBSN'  THEN DO;                                        SRX01320
               CALL UPTRTN;                                                   SRX01330
           IF CID = 1 THEN GOTO LAST;                                         SRX01340
               CALL TB01RTN;                                                  SRX01350
           END;                                                               SRX01360
           ELSE DO;                                                           SRX01370
               PUT PAGE;                                                      SRX01380
               CALL TB01RTN;                                                  SRX01390
           END;                                                               SRX01400
 /*************************************************************************/  SRX01410
HEADRTN:       PROCEDURE;                                                     SRX01420
           PUT PAGE;                                                          SRX01430
           IF HED = 1  THEN DO;                                               SRX01440
           HEADA1 = 'WJSEHTL RKRUR ALC WLTNVY';                               SRX01450
           PP = 1;                                                            SRX01460
           CALL HEADSUB;                                                      SRX01470
           GOTO ENDRTN;                                                       SRX01480
           END;                                                               SRX01490
           IF HED = 2  THEN DO;                                               SRX01500
           HEADA1 = 'DBQUF QNSTJRVY';                                         SRX01510
           PP=2;                                                              SRX01520
           CALL HEADSUB;                                                      SRX01530
           GOTO ENDRTN;                                                       SRX01540
           END;                                                               SRX01550
           IF HED = 3  THEN DO;                                               SRX01560
           HEADA1 = 'VNAAHRQUF QNSRJRVY';                                     SRX01570
           PP=3;                                                              SRX01580
           CALL HEADSUB;                                                      SRX01590
           GO TO ENDRTN;                                                      SRX01600
           END;                                                               SRX01610
           IF HED = 4  THEN DO;                                               SRX01620
           HEADA1 = 'THQLWK ANFRK WLTN (RUFRHKVY)';                           SRX01630
           PP = 4;                                                            SRX01640
           CALL  HEADSUB;                                                     SRX01650
           GOTO ENDRTN;                                                       SRX01660
           END;                                                               SRX01670
           IF HED = 5 THEN DO;                                                SRX01680
           HEADA1 = 'EHTLQUF WNDYTKDVNA THAKLRKRURVY';                        SRX01690
           PP = 5;                                                            SRX01700
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          CALL HEADSUB;                                                    SRX01710
          GOTO ENDRTN;                                                     SRX01720
          END;                                                             SRX01730
          IF HED = 6 THEN DO;                                              SRX01740
          HEADA1 = 'RLDUEH DYDIVY';                                        SRX01750
          PP = 6;                                                          SRX01760
          CALL HEADSUB;                                                    SRX01770
          GOTO ENDRTN;                                                     SRX01780
          END;                                                             SRX01790
          IF HED = 7 THEN DO;                                              SRX01800
          HEADA1 = 'DNJF VUDRBS RKRURVY';                                  SRX01810
          PP = 7;                                                          SRX01820
          CALL HEADSUB;                                                    SRX01830
          GOTO ENDRTN;                                                     SRX01840
          END;                                                             SRX01850
          IF HED = 8 THEN DO;                                              SRX01860
          HEADA1 = 'EHTLQUF VUDRBS RKRURVY';                               SRX01870
          PP = 8;                                                          SRX01880
          CALL HEADSUB;                                                    SRX01890
          GOTO ENDRTN;                                                     SRX01900
          END;                                                             SRX01910
          IF  HED = 9   THEN DO;                                           SRX01920
          HEADA1 = 'QUSEHD VNAAHRVY';                                      SRX01930
          PP = 9;                                                          SRX01940
          CALL HEADSUB;                                                    SRX01950
          GOTO ENDRTN;                                                     SRX01960
          END;                                                             SRX01970
          IF HED = 10 THEN DO;                                             SRX01980
          HEADA1 = 'EHTLQUF RKRUR DYRULVY';                                SRX01990
          PP = 10;                                                         SRX02000
          CALL HEADSUB;                                                    SRX02010
          GOTO ENDRTN;                                                     SRX02020
          END;                                                             SRX02030
          IF HED = 11 THEN DO;                                             SRX02040
          HEADA1 = 'THQLWK ANFRK EMDFKR VNAAHRVY';                         SRX02050
          PP = 11;                                                         SRX02060
          CALL HEADSUB;                                                    SRX02070
          GOTO ENDRTN;                                                     SRX02080
          END;                                                             SRX02090
       HEADSUB:     PROCEDURE;                                           SRX02100
           L50=50;                                                         SRX02110
          CALL HGBATCH (FUNC,RTC,HEADA1,L50,HEADHG,L50);                   SRX02120
          PUT SKIP(2) EDIT('TAB #',PP,HHG1,'1980 = 100')                   SRX02130
          (X(10),A,F(2),X(50),A(30),X(15),A);                              SRX02140
          PUT SKIP(0) EDIT(HHG2)(X(67),A(30));                             SRX02150
          PUT SKIP(1) EDIT(HHG3,YY,MM,DAY)(X(67),A(30),X(10),F(2),         SRX02160
              X(4),F(2),X(4),F(2));                                        SRX02170
       PUT SKIP(1) EDIT('==============================')(X(61),A);         SRX02180
       END  HEADSUB;                                                       SRX02190
       ENDRTN:                                                             SRX02200
       END HEADRTN;                                                        SRX02210
/*******************************************************************************/ SRX02220
       SRSRTN:    PROCEDURE;                                              SRX02230
        IF MM = 1 THEN DO;                                                 SRX02240
          IF SN=1 THEN DO;                                                 SRX02250
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          SRS1=SERSE-3;                                                    SRX02260
          SRS2=SERSE-5;                                                    SRX02270
          SRSB1=SERSE2-3;                                                  SRX02280
          SRSB2=SERSE2-5;                                                  SRX02290
        END;                                                               SRX02300
       ELSE IF SN=4 THEN DO;                                               SRX02310
         SRS1=SERSE-5;                                                     SRX02320
         SRSB1=SERSE2-5;                                                   SRX02330
         END;                                                              SRX02340
       ELSE DO;                                                            SRX02350
        SRS1=SERSE-1;                                                      SRX02360
        SRS2=SERSE-5;                                                      SRX02370
        SRSB1=SERSE2-1;                                                    SRX02380
        SRSB2=SERSE2-5;                                                    SRX02390
        END;                                                               SRX02400
      END;                                                                 SRX02410
     ELSE DO;                                                              SRX02420
          IF SN = 1 THEN DO;                                               SRX02430
              SRS1 = SERSE - 2;                                            SRX02440
              SRS2 = SERSE - 4;                                            SRX02450
              SRSB1 = SERSE2 - 2;                                          SRX02460
              SRSB2 = SERSE2 - 4;                                          SRX02470
            END;                                                           SRX02480
          ELSE IF SN = 4 THEN DO;                                          SRX02490
              SRS1 = SERSE - 4;                                            SRX02500
              SRSB1 = SERSE2 - 4;                                          SRX02510
            END;                                                           SRX02520
          ELSE DO;                                                         SRX02530
              SRS1 = SERSE - 1;                                            SRX02540
              SRS2 = SERSE - 4;                                            SRX02550
               SRSB1 = SERSE2 - 1;                                         SRX02560
               SRSB2 = SERSE2 - 4;                                         SRX02570
          END;                                                             SRX02580
      END;                                                                 SRX02590
       SRS3=97;                                                            SRX02600
       SRS4=SERSE-49;                                                      SRX02610
       SRSB3=48;                                                           SRX02620
       SRSB4=SERSE2-49;                                                    SRX02630
          END SRSRTN;                                                      SRX02640
/*********************************************************************/    SRX02650
TB01RTN:      PROCEDURE;                                                   SRX02660
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                            SRX02670
          ON ENDFILE(ISAM) GOTO LAST01;                                    SRX02680
          HED= 1;                                                          SRX02690
          CALL HEADRTN;                                                    SRX02700
   PUT SKIP(2) EDIT('CODE','ITEM','SEOUL','BUSAN','TEAGOO','INCHON',       SRX02710
       'DEAJON','KWANGJOO','JONJOO','CHUNCHON','CHUNGJOO','JUNDOSI')      SRX02720
       (X(1),A(7),A(19),A(11),A(11),A(11),A(11),A(10),A(11),A(11),         SRX02730
                        A(11),A(11),A);                                    SRX02740
      READRTN:                                                             SRX02750
          DO I = 1 TO 10;                                                  SRX02760
              READ FILE(ISAM) INTO(ISAMREC);                               SRX02770
      TPRC(I)= DEXPRICE(SERSE);                                            SRX02780
      TDEX(I)= DEX(SERSE);                                                 SRX02790
      TPRC(I)= TPRC(I)/100;                                                SRX02800
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      TDEX(I)= TDEX(I)/ 100;                                                    SRX02810
          END;                                                                  SRX02820
          CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HEADHG,L30);                        SRX02830
          PUT SKIP(2) EDIT(PUM,HHG1,(TDEX (I) DO I = 1 TO 10))                  SRX02840
                      (X(1),A,X(1),A(15), 10 (X(1),F(10,2)));                   SRX02850
          PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                                   SRX02860
          PUT SKIP(1) EDIT(HHG3)(X(7),A(15));                                   SRX02870
      PUT SKIP(1) EDIT((TPRC(I) DO I=1 TO 10))                                  SRX02880
           (X(21), 10(X(1), F(10,2)));                                          SRX02890
          GOTO READRTN;                                                         SRX02900
      LAST01:                                                                   SRX02910
          CLOSE FILE(ISAM);                                                     SRX02920
          END TB01RTN;                                                          SRX02930
/*************************************************************************/     SRX02940
UPTRTN:       PROCEDURE;                                                        SRX02950
      DCL 1  TREC,                                                              SRX02960
           2 TID        PIC  '9'       ,                                       SRX02970
           2 TYY        PIC  '99'      ,                                       SRX02980
           2 TMM        PIC  '99'      ,                                       SRX02990
           2 TSN        PIC  '9'       ,                                       SRX03000
           2 TKEY       PIC  '(7)9'    ,                                       SRX03010
           2 F1         CHAR(7)        ,                                       SRX03020
           2 TMPRI      CHAR(10)       ,                                       SRX03030
           2 TDPRI      CHAR(10)       ,                                       SRX03040
           2 TSPRI      CHAR(10)       ,                                       SRX03050
           2 F2  CHAR(30)    ;                                                SRX03060
      DCL MPRICE  PIC '(10)9';                                                  SRX03070
      DCL DPRICE  PIC '(10)9';                                                  SRX03080
      DCL SPRICE  PIC '(10)9';                                                  SRX03090
      DCL YTAB  (2,4,9) FLOAT BIN(53) INIT((72)0);                              SRX03100
      DCL JDOTAB   (2)  FLOAT BIN(53) INIT(0,0);                                SRX03110
      DCL DWGTTB   FLOAT BIN(53) INIT(0);                                       SRX03120
      DCL SKEY          PIC '(7)9';                                             SRX03130
      DCL SPRIC    FLOAT BIN(53) INIT(0);                                       SRX03140
      DCL DPR      FLOAT BIN(53) INIT(0);                                       SRX03150
      DCL DDX      FLOAT BIN(53) INIT(0);                                       SRX03160
      DCL GISU  FLOAT,                                                          SRX03170
          GISUPRICE FLOAT,                                                      SRX03180
          KIZUNPRICE FLOAT,                                                     SRX03190
          DDDWGT FLOAT,                                                         SRX03200
          PPPWGT FLOAT;                                                         SRX03210
      DCL DDXX PIC '(6)9V99'; DCL  DDXC CHAR(6);                                SRX03220
      DCL MKPR  FLOAT; DCL MKPR1 FLOAT;                                         SRX03230
      DCL MKPR2 FLOAT; DCL MKPR3 FLOAT;                                         SRX03240
      DCL DIPR1 FLOAT; DCL DIPR2 FLOAT;                                         SRX03250
      DCL DIPR3 FLOAT; DCL DES1  FLOAT;                                         SRX03260
      DCL DES2  FLOAT; DCL DES3  FLOAT;                                         SRX03270
      DCL YCOD  (37)  PIC '(5)9' INIT(10199,10299,10399,10499,10599,            SRX03280
                10699,10799,10899,10999,11099,11199,11299,11399,                SRX03290
                11499,20199,20299,20399,20499,20599,20699,30199,                SRX03300
                30299,30399,40199,40299,40399,40499,40599,50199,                SRX03310
                50299,50399,50499,50599,50699,50799,50899,50999);               SRX03320
      DCL BCOD  (5)  PIC '(5)9' INIT(19999,29999,39999,49999,59999);            SRX03330
      DCL KTAB1 (3,10)  FLOAT BIN(53) INIT((30)0);                              SRX03340
      DCL KTAB2 (10)    FLOAT BIN(53) INIT((10)0);                              SRX03350
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      DCL T1_DEX         FLOAT BIN(53) INIT(0);                          SRX03360
      DCL TABU1   (2,394,9)  FLOAT BIN(53) INIT((7092)0);                SRX03370
      DCL UPCODH (394)  CHAR(25);                                        SRX03380
      DCL UPCOD  (394)  PIC '(5)9';                                      SRX03390
      DCL ASW PIC '9' INIT(0);                                           SRX03400
    /*******************************************************************/ SRX03410
        OPEN FILE(ISAM)  DIRECT  UPDATE;                                 SRX03420
        ON  ENDFILE(CARD)        GOTO TLAST1;                            SRX03430
     RDTAPE:                                                             SRX03440
        READ  FILE(CARD)     INTO(TREC);                                 SRX03450
        L=INDEX(TMPRI,' ');                                              SRX03460
        IF L = 0 THEN  MPRICE= TMPRI;                                    SRX03470
                 ELSE MPRICE = SUBSTR(TMPRI,1,L-1);                      SRX03480
        L=INDEX(TDPRI,' ');                                              SRX03490
        IF L = 0 THEN  DPRICE = TDPRI;                                   SRX03500
                 ELSE  DPRICE = SUBSTR(TDPRI,1,L-1);                     SRX03510
        L=INDEX(TSPRI,' ');                                              SRX03520
        IF L = 0 THEN  SPRICE = TSPRI;                                   SRX03530
                 ELSE  SPRICE = SUBSTR(TSPRI,1,L-1);                     SRX03540
        SKEY = TKEY;                                                     SRX03550
        ON KEY(ISAM) BEGIN;                                              SRX03560
        IF ONCODE = 51 THEN GOTO RDTAPE;                                 SRX03570
        END;                                                             SRX03580
        IF SW = 4 THEN DO;  SW=0; GOTO RDTAPE;  END;                     SRX03590
        READ     FILE(ISAM) INTO(ISAMREC) KEY(SKEY) ;                    SRX03600
        IF  MPRICE  ¬= 0  THEN DO;                                       SRX03610
        MAKPRICE (SERSE) = MPRICE;                                       SRX03620
        END;                                                             SRX03630
        IF  DPRICE  ¬= 0  THEN DO;                                       SRX03640
        DEXPRICE (SERSE) = DPRICE;                                       SRX03650
        END;                                                             SRX03660
        IF  SPRICE  ¬= 0  THEN DO;                                       SRX03670
        STDPRICE (SERSE) = SPRICE;                                       SRX03680
        END;                                                             SRX03690
        IF TID = 1  THEN GOTO NEXTUP1;                                   SRX03700
        GISUPRICE=DEXPRICE(SERSE);  KIZUNPRICE=STDPRICE(SERSE);          SRX03710
        IF KIZUNPRICE=0 THEN DO; DEX(SERSE)=0; GOTO NEXTUP1; END;        SRX03720
        DEX (SERSE) =GISUPRICE / KIZUNPRICE * 10000 + 0.501;             SRX03730
     NEXTUP1:                                                            SRX03740
        REWRITE  FILE(ISAM)  KEY(SKEY)    FROM(ISAMREC);                 SRX03750
        PUT SKIP(2) EDIT(KEY,MAKPRICE(SERSE),DEXPRICE(SERSE),            SRX03760
      STDPRICE(SERSE))(X(5),A(7),X(3),F(10),X(3),F(10),X(3),F(10));      SRX03770
        GOTO RDTAPE;                                                     SRX03780
     TLAST1:                                                             SRX03790
        IF TID ¬= 1   THEN GOTO TLAST3;                                  SRX03800
        CLOSE  FILE(ISAM);                                               SRX03810
        OPEN FILE(ISAM)    SEQUENTIAL UPDATE;                            SRX03820
        ON ENDFILE(ISAM)  GOTO TLAST3;                                   SRX03830
     RDIS1:                                                              SRX03840
        READ  FILE(ISAM)   INTO(ISAMREC);                                SRX03850
        IF STDPRICE (SERSE) = 0  THEN  DO;                               SRX03860
        STDPRICE (SERSE) = STDPRICE (SRS1);                              SRX03870
        END;                                                             SRX03880
        IF MAKPRICE (SERSE) = 0  THEN DO;                                SRX03890
        MAKPRICE (SERSE) = MAKPRICE (SRS1);                              SRX03900
```

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```
          END;                                                                  SRX03910
          IF DEXPRICE (SERSE) = 0  THEN DO;                                     SRX03920
          DEXPRICE (SERSE) = DEXPRICE (SRS1);                                   SRX03930
          END;                                                                  SRX03940
          GISUPRICE = DEXPRICE(SERSE);                                          SRX03950
          KIZUNPRICE = STDPRICE(SERSE);                                         SRX03960
          IF KIZUNPRICE=0 THEN DO; DEX(SERSE)=0; GOTO CHECK2; END;              SRX03970
          DEX (SERSE) =GISUPRICE / KIZUNPRICE * 10000 + 0.501;                  SRX03980
    CHECK2:  REWRITE  FILE(ISAM)  FROM(ISAMREC);                                SRX03990
          GOTO RDIS1;                                                           SRX04000
       TLAST2:                                                                  SRX04010
          CLOSE   FILE(ISAM);                                                   SRX04020
          IF  TSN = 3  THEN DO;                                                 SRX04030
          OPEN  FILE(ISAM)   SEQUENTIAL  UPDATE;                                SRX04040
          ON ENDFILE(ISAM)   GOTO TLAST4;                                       SRX04050
       RDIS2:                                                                   SRX04060
          READ  FILE(ISAM)   INTO(ISAMREC);                                     SRX04070
          MKPR1=MAKPRICE(SERSE-2); MKPR2=MAKPRICE(SERSE-1);                     SRX04080
          MKPR3=MAKPRICE(SERSE);  DIPR1=DEXPRICE(SERSE-2);                      SRX04090
          DIPR2=DEXPRICE(SERSE-1); DIPR3=DEXPRICE(SERSE);                       SRX04100
          DES1=DEX(SERSE-2); DES2=DEX(SERSE-1);                                 SRX04110
          DES3=DEX(SERSE);                                                      SRX04120
          MKPR=(MKPR1+MKPR2+MKPR3)/3+0.501;                                     SRX04130
          STDPRICE (SERSE + 1) = STDPRICE (SERSE);                              SRX04140
          GISUPRICE=(DIPR1+DIPR2+DIPR3) / 3+0.501;                              SRX04150
          IF SUBSTR(KEY,4,2)=99 |SUBSTR(KEY,4,2)=88 THEN DO;                    SRX04160
          DDXX=(DES1+DES2+DES3)/3+5.01;                                         SRX04170
          DDXC=DDXX;  SUBSTR(DDXC,6,1)='0'; GISU=DDXC; END;                     SRX04180
          ELSE GISU=(DES1+DES2+DES3)/3+0.501;                                   SRX04190
          MAKPRICE(SERSE+1)=MKPR;                                               SRX04200
          DEXPRICE(SERSE+1)=GISUPRICE;                                          SRX04210
          DEX(SERSE+1)=GISU;                                                    SRX04220
          REWRITE FILE(ISAM) FROM(ISAMREC);                                     SRX04230
          GOTO RDIS2;                                                           SRX04240
          END;                                                                  SRX04250
          ELSE GOTO TLAST4;                                                     SRX04260
       TLAST3:  CLOSE FILE(ISAM);                                               SRX04270
          OPEN  FILE(ISAM)   SEQUENTIAL  UPDATE;                                SRX04280
          ON  ENDFILE(ISAM)  GOTO TLAST2;                                       SRX04290
     /*****************************************************************/        SRX04300
       RDIS3:       /*  YOUBEUL & BIMOK  COUNT  */                             SRX04310
          DO  I = 1 TO 10;                                                      SRX04320
          READ FILE(ISAM)  INTO(ISAMREC);                                       SRX04330
           GISUPRICE=DEXPRICE(SERSE);                                           SRX04340
           KIZUNPRICE=STDPRICE(SERSE);                                          SRX04350
           GISU=DEX(SERSE);                                                     SRX04360
           PPPWGT=PUMWGT;                                                       SRX04370
           DDDWGT=CITYWGT;                                                      SRX04380
            IF KEY1 = 99  THEN DO;                                              SRX04390
            DEXPRICE (SERSE) = JDOTAB (1) / DWGTTB + 0.501;                     SRX04400
         IF SUBSTR(KEY,4,2)='99' | SUBSTR(KEY,4,2)='88' THEN DO;                SRX04410
            DDXX=JDOTAB(2)/DWGTTB+5.01;  DDXC=DDXX;                             SRX04420
            SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC; END;                        SRX04430
            ELSE DEX (SERSE) = JDOTAB (2) / DWGTTB + 0.501 ;                    SRX04440
            REWRITE  FILE(ISAM) FROM(ISAMREC);                                  SRX04450
```

```
          JDOTAB(1) = 0;                                                    SRX04460
          JDOTAB(2) = 0;                                                    SRX04470
          DWGTTB = 0;                                                       SRX04480
          GOTO RDIS3;                                                       SRX04490
          END;                                                              SRX04500
          DO J = 1 TO 37;                                                   SRX04510
            IF PUM = YCOD (J) THEN DO;                                      SRX04520
            DEXPRICE (SERSE) = YTAB (1,1,I);                                SRX04530
         DDXX = YTAB (1,1,I) / YTAB (2,1,I) + 5.01;                         SRX04540
         DDXC=DDXX;  SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;                 SRX04550
        REWRITE FILE(ISAM)  FROM(ISAMREC);                                  SRX04560
        GISU=YTAB(1,1,I)/YTAB(2,1,I);                                       SRX04570
        GISUPRICE=DEXPRICE(SERSE);                                          SRX04580
        YTAB(1,1,I) = 0;                                                    SRX04590
            YTAB(2,1,I) = 0;                                                SRX04600
            DPR = DDDWGT * GISUPRICE;                                       SRX04610
            DDX = DDDWGT * GISU;                                            SRX04620
            JDOTAB (1) = JDOTAB  (1) + DPR;                                 SRX04630
            JDOTAB  (2) = JDOTAB (2) + DDX;                                 SRX04640
            DWGTTB = DWGTTB + DDDWGT;                                       SRX04650
            GOTO ENDU1R;                                                    SRX04660
            END;                                                            SRX04670
          END;                                                              SRX04680
          DO K = 1 TO 5;                                                    SRX04690
            IF PUM = BCOD (K) THEN DO;                                      SRX04700
            DEXPRICE (SERSE) = YTAB (1,2,I);                                SRX04710
            DDXX= YTAB (1,2,I) / YTAB(2,2,I) + 5.01;                        SRX04720
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;               SRX04730
            GISUPRICE=DEXPRICE(SERSE);                                      SRX04740
            GISU=YTAB(1,2,I)/YTAB(2,2,I);                                   SRX04750
            DPR = DDDWGT * GISUPRICE;                                       SRX04760
            DDX = DDDWGT * GISU;                                            SRX04770
            JDOTAB (1) = JDOTAB  (1) + DPR;                                 SRX04780
            JDOTAB (2) = JDOTAB  (2) + DDX;                                 SRX04790
            DWGTTB = DWGTTB + DDDWGT;                                       SRX04800
            REWRITE  FILE(ISAM)  FROM(ISAMREC);                             SRX04810
            YTAB (1,2,I) = 0;                                               SRX04820
            YTAB (2,2,I) = 0;                                               SRX04830
            GOTO ENDU1R;                                                    SRX04840
            END;                                                            SRX04850
          END;                                                              SRX04860
            IF PUM = 18888 THEN DO;                                         SRX04870
            DEXPRICE (SERSE) = YTAB (1,3,I);                                SRX04880
            DDXX = YTAB (1,3,I) / YTAB (2,3,I) + 5.01;                      SRX04890
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC;              SRX04900
            GISU=YTAB(1,3,I)/YTAB(2,3,I);                                   SRX04910
            GISUPRICE=DEXPRICE(SERSE);                                      SRX04920
            DPR = DDDWGT * GISUPRICE;                                       SRX04930
            DDX = DDDWGT * GISU;                                            SRX04940
            JDOTAB (1) = JDOTAB (1) + DPR;                                  SRX04950
            JDOTAB (2) = JDOTAB (2) + DDX;                                  SRX04960
            DWGTTB = DWGTTB + DDDWGT;                                       SRX04970
            REWRITE FILE(ISAM) FROM(ISAMREC);                               SRX04980
            YTAB (1,3,I) = 0;                                               SRX04990
            YTAB (2,3,I) = 0;                                               SRX05000
```

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                GO TO ENDU1R;                                                   SRX05010
                END;                                                            SRX05020
                IF PUM = 88888 THEN DO;                                         SRX05030
                DEXPRICE (SERSE) = YTAB (1,3,I);                                SRX05040
                DDXX = YTAB (1,3,I) / YTAB (2,3,I) + 5.01;                      SRX05050
                DDXC=DDXX; SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;               SRX05060
                GISU=YTAB(1,3,I)/YTAB(2,3,I);                                   SRX05070
                GISUPRICE=DEXPRICE(SERSE);                                      SRX05080
                DPR = DDDWGT * GISUPRICE;                                       SRX05090
                DDX = DDDWGT * GISU;                                            SRX05100
                JDOTAB (1) = JDOTAB (1) + DPR;                                  SRX05110
                JDOTAB (2) = JDOTAB (2) + DDX;                                  SRX05120
                DWGTTB = DWGTTB + DDDWGT;                                       SRX05130
                REWRITE  FILE(ISAM)  FROM(ISAMREC);                             SRX05140
                YTAB (1,3,I) = 0;                                               SRX05150
                YTAB (2,3,I) = 0;                                               SRX05160
                GOTO ENDU1R;                                                    SRX05170
                END;                                                            SRX05180
                IF  PUM = 99999  THEN DO;                                       SRX05190
                DEXPRICE (SERSE) = YTAB (1,4,I);                                SRX05200
                DDXX = YTAB (1,4,I) / YTAB (2,4,I) + 5.01;                      SRX05210
                DDXC=DDXX; SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC;              SRX05220
                GISU=YTAB(1,4,I)/YTAB(2,4,I);                                   SRX05230
                GISUPRICE=DEXPRICE(SERSE);                                      SRX05240
                DPR = DDDWGT * GISUPRICE;                                       SRX05250
                DDX = DDDWGT * GISU;                                            SRX05260
                JDOTAB (1) = JDOTAB (1) + DPR;                                  SRX05270
                JDOTAB (2) = JDOTAB (2) + DDX;                                  SRX05280
                DWGTTB = DWGTTB + DDDWGT;                                       SRX05290
                REWRITE  FILE(ISAM)   FROM(ISAMREC);                            SRX05300
                YTAB (1,4,I) = 0;                                               SRX05310
                YTAB (2,4,I) = 0;                                               SRX05320
                GOTO ENDU1R;                                                    SRX05330
                END;                                                            SRX05340
                DDX = GISU * PPPWGT;                                            SRX05350
                YTAB (1,1,I) = YTAB (1,1,I) + DDX;                              SRX05360
                YTAB (1,2,I) = YTAB (1,2,I) + DDX;                              SRX05370
                IF SUBSTR(KEY,1,3) ¬= '101' THEN                                SRX05380
                YTAB (1,3,I) = YTAB (1,3,I) + DDX;                              SRX05390
                YTAB (1,4,I) = YTAB (1,4,I) + DDX;                              SRX05400
                YTAB (2,1,I) = YTAB (2,1,I) + PPPWGT;                           SRX05410
                YTAB (2,2,I) = YTAB (2,2,I) + PPPWGT;                           SRX05420
                IF SUBSTR(KEY,1,3) ¬= '101' THEN                                SRX05430
                YTAB (2,3,I) = YTAB (2,3,I) + PPPWGT;                           SRX05440
                YTAB (2,4,I) = YTAB (2,4,I) + PPPWGT;                           SRX05450
                DPR = DDDWGT * GISUPRICE;                                       SRX05460
                DDX = DDDWGT * GISU;                                            SRX05470
                JDOTAB (1) = JDOTAB (1) + DPR;                                  SRX05480
                JDOTAB (2) = JDOTAB (2) + DDX;                                  SRX05490
                DWGTTB = DWGTTB + DDDWGT;                                       SRX05500
        ENDU1R:                                                                 SRX05510
      END;                                                                      SRX05520
          GOTO  RDIS3;                                                          SRX05530
/*****************************************************************/             SRX05540
                                                    /* CHECK TAB #1 */          SRX05550
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      TLAST4:                                                          SRX05560
          CLOSE  FILE(ISAM);                                           SRX05570
          PUT PAGE;                                                    SRX05580
          OPEN  FILE(ISAM) DIRECT INPUT;                               SRX05590
              NOMI = 9999999;                                          SRX05600
              READ  FILE(ISAM)  KEY(NOMI)  INTO(ISAMREC);              SRX05610
              T1_DEX = DEX(SRS1);                                      SRX05620
          CLOSE FILE(ISAM);                                            SRX05630
          OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                         SRX05640
          ON  ENDFILE(ISAM) GOTO TLAST5;  PUT PAGE;                    SRX05650
          PUT SKIP(2) EDIT('*** CHECK-LIST #1 ***')(A(21));            SRX05660
          PUT SKIP(3) EDIT('  CODE    ITEM        SEOUL    BUSAN',     SRX05670
         '    DEAGOO    INCHUN    DEAJON    KWANGJOO   JONJU',        SRX05680
         '    CHUNCHON   CHUNGJOO    JUNDOSI')(A,A,A);                 SRX05690
      RDA1:                                                            SRX05700
          DO  I = 1 TO 10;                                             SRX05710
              READ  FILE(ISAM) INTO(ISAMREC);                          SRX05720
              KTAB1(1,I) = DEX(SERSE);                                 SRX05730
              KTAB1(2,I) = DEX(SRS1);                                  SRX05740
              IF I=10 THEN PPPWGT=PUMWGT;                              SRX05750
              KTAB1(3,I)=CITYWGT;                                      SRX05760
          END;                                                         SRX05770
          IF SUBSTR(KEY,1,5)='99999' THEN GOTO N9;                     SRX05780
          IF SUBSTR(KEY,1,5)='19999' THEN GOTO N9;                     SRX05790
          IF SUBSTR(KEY,1,5)='88888' THEN GOTO N9;                     SRX05800
          IF SUBSTR(KEY,4,2)='99' THEN GOTO RDA1;                      SRX05810
          IF SUBSTR(KEY,4,2)='88' THEN GOTO RDA1;                      SRX05820
    N9:   DO  I = 1 TO 10;                                             SRX05830
           KTAB2(I) =(((KTAB1(1,I)-KTAB1(2,I)) * PPPWGT) *             SRX05840
                    KTAB1(3,I)) / (T1_DEX * 1000000);                  SRX05850
          END;                                                         SRX05860
     /*   DO I = 1 TO 9 ;
          KTAB2(I) = KTAB2(I) + 0.000501 ;
          END ;
          KTAB2(10) = KTAB2(10) + 0.00501 ;  */
          IF KTAB2(10) <= -0.01 | KTAB2(10) >= 0.01 |                  SRX05870
          SUBSTR(KEY,1,5)='99999' | SUBSTR(KEY,1,5)='19999' |          SRX05880
          SUBSTR(KEY,1,5)='88888'  THEN DO;                            SRX05890
          CALL HGBATCH (FUNC,RTC,HGCHAR,L10,HEADHG,L10);               SRX05900
          PUT SKIP(2) EDIT(PUM,HHG1,(KTAB2 (I) DO I = 1 TO 10))        SRX05910
          (X(2),F(5),X(2),A(10),9(X(2),F(6,3)),X(2),F(6,2));           SRX05920
          PUT SKIP(0) EDIT(HHG2)(X(9),A(10));                          SRX05930
          PUT SKIP(1) EDIT(HHG3)(X(9),A(10));                          SRX05940
          GOTO RDA1;                                                   SRX05950
       END;  ELSE GOTO RDA1;                                           SRX05960
      TLAST5:                                                          SRX05970
          CLOSE FILE(ISAM);                                            SRX05980
/*****************************************************************/    SRX05990
          /***  # CHECK LIST 2 # ***/                                   SRX06000
          OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                         SRX06010
          SW = 0; ON ENDFILE(ISAM) GOTO TLAST6;  PUT PAGE;             SRX06020
      PUT SKIP(3) EDIT('** CHECK-LIST 2 **')(X(50),A);                 SRX06030
      RDA2:                                                            SRX06040
          READ  FILE(ISAM)   INTO(ISAMREC);                            SRX06050
          IF  SUBSTR(KEY,4,2) ='99' THEN  GOTO RDA2;                   SRX06060
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            IF  SUBSTR(KEY,4,2) ='88' THEN  GOTO RDA2;                    SRX06070
            IF  SUBSTR(KEY,6,2) ='99' THEN  GOTO RDA2;                    SRX06080
            D2=DEXPRICE(SRS1);                                            SRX06090
            D3=DEXPRICE(SERSE);                                           SRX06100
            K1 = DEXPRICE (SERSE) - DEXPRICE (SRS1);                      SRX06110
            IF  K1 = 0 THEN GOTO RDA2;                                    SRX06120
            IF D2=0 THEN DO; D1=0; GOTO CH2; END;                         SRX06130
            D1 = (D3 / D2 - 1) * 100;                                     SRX06140
        CH2: IF SW = 0  THEN  GOTO  NEXTRD1;                              SRX06150
            IF PUM ^= SAVEPUM  THEN GOTO NEXTRD1;                         SRX06160
            D2 = D2 / 100;  K1=K1/100;                                    SRX06170
            D3 = D3 / 100;                                                SRX06180
            PUT SKIP(2) EDIT(KEY1,D2,D3,K1,D1)(X(29),F(2),X(5),F(10,2),   SRX06190
                        X(5),F(10,2),X(5),F(10,2),X(5),F(10,2));          SRX06200
            SW = 1;                                                       SRX06210
            SAVEPUM = PUM;                                                SRX06220
            GOTO RDA2;                                                    SRX06230
         NEXTRD1:                                                         SRX06240
            D2=D2/100; D3=D3/100;  K1=K1/100;  L30=25;                    SRX06250
            CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HHG1,L30);                  SRX06260
            PUT SKIP(2) EDIT(PUM,HHG1,KEY1,D2,D3,K1,D1)(X(5),F(5),X(2),   SRX06270
                         A(15),X(2),F(2),X(5),F(10,2),X(5),F(10,2),       SRX06280
                      X(5),F(10,2),X(5),F(10,2));                         SRX06290
            PUT SKIP(0) EDIT(HHG2)(X(12),A(15));                          SRX06300
            PUT SKIP(1) EDIT(HHG3)(X(12),A(15));                          SRX06310
            SW = 1;                                                       SRX06320
            SAVEPUM = PUM;                                                SRX06330
            GOTO RDA2;                                                    SRX06340
         TLAST6:                                                          SRX06350
            CLOSE   FILE(ISAM);                                           SRX06360
   /*****************************************************************/    SRX06370
            OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                         SRX06380
            ON ENDFILE(ISAM)  GOTO TLAST7; PUT PAGE;                      SRX06390
            J = 1;                                                        SRX06400
         RDA3:                                                            SRX06410
            DO  I = 1 TO 10;                                              SRX06420
            READ FILE(ISAM)  INTO(ISAMREC);                               SRX06430
            IF SUBSTR(KEY,4,2)='99' THEN GOTO END10RTN;                   SRX06440
            IF SUBSTR(KEY,4,2)='88' THEN GOTO END10RTN;                   SRX06450
            IF KEY1 = 99 THEN DO;                                         SRX06460
            UPCOD(J) = PUM;                                               SRX06470
            UPCODH(J) = HGCHAR;                                           SRX06480
            GOTO END10RTN;                                                SRX06490
            END;                                                          SRX06500
            TABU1(1,J,I) = MAKPRICE(SERSE);                               SRX06510
            TABU1(2,J,I)= DEXPRICE(SERSE);                                SRX06520
         END10RTN:                                                        SRX06530
         END;                                                             SRX06540
            IF SUBSTR(KEY,4,2)='99' THEN GOTO RDA3;                       SRX06550
            IF SUBSTR(KEY,4,2)='88' THEN GOTO RDA3;                       SRX06560
            J=J+1;                                                        SRX06570
            GOTO RDA3;                                                    SRX06580
         TLAST7:                                                          SRX06590
            TABU1=TABU1/100;                                              SRX06600
            DO I = 1 TO 9;                                                SRX06610
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            PUT PAGE;                                                          SRX06620
            PUT EDIT('* CITY =',I,'*')(X(5),A,F(2),A);                         SRX06630
            DO K = 1 TO 394;  L30=25;                                          SRX06640
              CALL HGBATCH (FUNC,RTC,UPCODH(K),L30,HEADHG,L30);                SRX06650
      PUT SKIP(2) EDIT(UPCOD(K),HHG1,TABU1(1,K,I),TABU1(2,K,I),                SRX06660
    '__________','__________','__________')(X(5),F(5),X(2),A(15),             SRX06670
                  X(5),F(10,2),X(5),F(10,2),X(10),A(10),X(5),                  SRX06680
                  A(10),X(5),A(10));                                           SRX06690
              PUT SKIP(0) EDIT(HHG2)(X(12),A(15));                             SRX06700
              PUT SKIP(1) EDIT(HHG3)(X(12),A(15));                             SRX06710
              END;                                                             SRX06720
          END;                                                                 SRX06730
          CLOSE  FILE(ISAM);                                                   SRX06740
      END UPTRTN;                                                              SRX06750
   /*************************************************************************/ SRX06760
      END SUBTBRTN;                                                            SRX06770
      LAST:                                                                    SRX06780
          CLOSE FILE(CARD);                                                    SRX06790
      END MASTER;                                                              SRX06800
  /*****************************************************************************/SRX06810
/*                                                                             SRX06820
//*KED.SYSLIB DD DSN=SYS1.LINKLIB,DISP=SHR                                     SRX06830
//LKED.SYSPRINT DD SYSOUT=O                                                    SRX06840
//GO.SYSPRINT DD SYSOUT=O                                                      SRX06850
//GO.ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                                SRX06860
//    UNIT=SYSDA,VOL=SER=BOSWK1
//    DD DSN=SRXK54(PRIME),DISP=(OLD,KEEP),UNIT=SYSDA,VOL=SER=BOSWK1           SRX06870
//GO.CARD DD *                                                                 SRX06880
TBSN    184013
1840131010101       639000    639000
1840131010701       983300    983300
1840131020301       176300    176300
1840131030301       45000     45000
1840131030401       41000     41000
1840131030501       200000    200000
1840131031001       100000    100000
1840131040201       1600000   1600000
1840131050101       59100     59100
1840131060301       223300    223300
1840131060401       251700    251700
1840131060601       32000     32000
1840131070101       43000     43000
1840131080101       190000    190000
1840131080801       113100    113100
1840131081601       84800     84800
1840131090801       102400    102400
1840131100301       260000    260000
1840131100401       338000    338000
1840131140501       55000     55000
1840131140601       55000     55000
1840131140701       73300     73300
1840134011901       496700    496700
1840134012001       274300    274300
1840134012101       80200     80200
1840134012201       110000    110000
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1840134020101	48300	48300
1840134020201	73300	73300
1840134020801	36700	36700
1840134021101	1366700	1366700
1840134021201	448300	448300
1840134040701	20000	20000
1840135011701	1850000	1850000
1840135020101	25500	25500
1840131010102	616700	616700
1840131010802	2083300	2083300
1840131011002	725000	725000
1840131020202	140000	140000
1840131030102	143300	143300
1840131030602	95000	95000
1840131030902	800000	800000
1840131031002	64000	64000
1840131050102	55000	55000
1840131060102	44700	
1840131060202	46000	
1840131060302	160000	160000
1840131060402	200000	200000
1840131060502	16700	
1840131060602	23700	23700
1840131060902	36300	36300
1840131061402	156700	
1840131080302	966700	
1840131081802	43000	43000
1840131100402	293300	293300
1840131100802	75000	75000
1840135011702	1776700	1776700
1840131010103	600000	600000
1840131010403	1033300	1033300
1840131010703	1033300	1033300
1840131010803	2033300	2033300
1840131020303	170000	170000
1840131030103	150000	150000
1840131030403	35000	35000
1840131030503	166700	166700
1840131030603	85000	85000
1840131030703	65000	65000
1840131050103	59000	59000
1840131060403	210000	210000
1840131060603	32700	32700
1840131111203	206700	206700
1840131130203	26800	26800
1840134011903	545000	545000
1840134012003	295000	295000
1840134012103	90000	90000
1840134012203	110000	110000
1840134041403	60000	60000
1840135072603	20000	20000
1840131010104	611300	611300
1840131010404	925000	925000
1840131010704	1015000	1015000
1840131010804	1874000	1874000

1840131010904	789000	789000
1840131020304	170000	170000
1840131030104	125000	125000
1840131030304	40000	40000
1840131030404	40000	40000
1840131030704	60000	60000
1840131030804	90000	
1840131031004	100000	100000
1840131040204	1550000	1550000
1840131050104	60000	60000
1840131060204	65000	
1840131060304	190000	190000
1840131060404	210000	210000
1840131060604	32500	32500
1840131060804	40000	
1840131060904	35000	35000
1840131070104	41700	41700
1840131070204	30000	30000
1840131080104	208000	208000
1840131080204	40000	40000
1840131080304	800000	
1840131080804	118300	118300
1840131090504	20000	20000
1840131090804	116700	116700
1840131101004	70000	70000
1840134040704	20000	20000
1840134041404	60000	60000
1840131010105	620000	620000
1840131010705	1000000	1000000
1840131010805	2000000	2000000
1840131020305	165000	165000
1840131050105	60000	60000
1840131060305	190000	190000
1840131060405	250000	250000
1840131061505	135000	135000
1840131080805	120000	120000
1840131100305	225000	225000
1840132050105	252500	252500
1840135011705	1800000	1800000
1840131010106	615000	615000
1840131010606	680000	680000
1840131010706	1040000	1040000
1840131010806	1700000	1700000
1840131010906	850000	850000
1840131011006	850000	850000
1840131020306	155000	155000
1840131030106	130000	130000
1840131030306	38000	38000
1840131030706	80000	80000
1840131040306	2000000	2000000
1840131040406	35000	35000
1840131060306	162500	162500
1840131060406	245000	245000
1840131060606	20000	20000
1840131061606	45000	45000

1840131080406	30000	30000
1840131080506	50000	50000
1840131100206	85000	85000
1840131100306	310000	310000
1840131101006	55000	55000
1840132031206	1299700	1299700
1840132031406	84000	84000
1840134012106	80000	80000
1840134012206	108300	108300
1840135011706	1770000	1770000
1840135021506	90000	90000
1840135072606	18000	18000
1840131010107	585000	585000
1840131010407	790000	790000
1840131010607	704200	704200
1840131010707	1041300	1041300
1840131010807	1874300	1874300
1840131020307	175000	175000
1840131030107	175000	175000
1840131030207	60000	60000
1840131030507	175000	175000
1840131030607	65000	65000
1840131040307	1900000	1900000
1840131050107	57700	57700
1840131060307	175000	175000
1840131060407	250000	250000
1840131060607	30000	30000
1840131080107	190000	190000
1840131080207	33000	33000
1840131080807	120000	120000
1840131081507	129300	129300
1840131130807	930000	930000
1840134041907	5000000	5000000
1840135011707	1850000	1850000
1840131010108	615000	615000
1840131010808	1700000	1700000
1840131010908	725000	725000
1840131020308	165000	165000
1840131030208	65000	65000
1840131030608	80000	80000
1840131030708	70000	70000
1840131030908	1000000	1000000
1840131060108	60000	
1840131060208	70000	
1840131060308	175000	175000
1840131060408	250000	250000
1840131070108	39500	39500
1840131080808	117300	117300
1840131081808	40000	40000
1840132050108	284000	284000
1840134011908	552000	552000
1840134012008	453300	453300
1840134020108	45000	45000
1840135051508	10000	10000
1840135072608	25000	25000

FILE: SRXWUM54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

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1840131010109        620000    620000
1840131010709        1000000   1000000
1840131010809        2000000   2000000
1840131030409        50000     50000
1840131050109        59300     59300
1840131060309        220000    220000
1840131060409        250000    250000
1840131060609        40000     40000
1840131061509        150000    150000
1840131070109        33300     33300
1840131090409        40000     40000
1840134012209        116000    116000
/*
//                                                          SRX06920
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SRXWUT54

(RAW DATA UPDATE 및 TABLE : 旬期表)

FILE: SRXWUT54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWUT54 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD,MSGLEVEL=0                    SRX00010
//  EXEC PLIFHG,PARM='NOSOURCE',TIME=1000                                   SMI00020
//SYSLIB DD DSN=IMSVS.SSSLIB,DISP=SHR
//PLI.SYSPRINT DD SYSOUT=O
//PLI.SYSIN DD *                                                          SMI00030
* PROCESS S,GS,NEST,XREF,OPT(TIME),A,INCLUDE,FLOW(100,10),NOSOURCE ;
 MASTER: PROC OPTIONS (MAIN);                                            SRX00070
       DCL  ISAM FILE RECORD KEYED ENV(INDEXED);                         SRX00080
 DCL SERSE  PIC '999';                                                   SRX00090
 DCL SERSE2 PIC '999';                                                   SRX00100
      DCL  HGBATCH ENTRY OPTIONS(ASSEMBLER);                             SRX00110
      DCL FUNC  CHAR(2) INIT('IO');                                      SRX00120
      DCL  RTC   CHAR(2);                                                SRX00130
 DCL 1 ISAMREC,                                                          SRX00140
      2 KEY          CHAR (7) ,                                         SRX00150
      2 TSBUN        CHAR(6) ,                                          SRX00160
      2 HGCHAR       CHAR(25) ,                                         SRX00170
          2 SGCOD     CHAR(6),                                         SRX00180
      2 SELECTCOD    CHAR(1) ,                                          SRX00190
      2 PUMWGT       FIXED BIN (15) ALIGNED,                            SRX00200
      2 CITYWGT      FIXED BIN (15) ALIGNED,                            SRX00210
      2 DATA1  (147),                                                   SRX00220
        3 STDPRICE  FIXED BIN (31) ALIGNED,                             SRX00230
        3 MAKPRICE  FIXED BIN (31) ALIGNED,                             SRX00240
        3 DEXPRICE  FIXED BIN (31) ALIGNED,                             SRX00250
        3 DEX       FIXED BIN (31) ALIGNED ;                            SRX00260
       DCL PUM PIC '(5)9' DEF KEY,                                      SRX00270
           KEY1 PIC '99' DEF KEY POS(6);                                SRX00280
 DCL CARD FILE RECORD INPUT;                                            SRX00290
 DCL 1 CARDREC,                                                         SRX00300
      2 OPT   CHAR (4) ,                                                SRX00310
      2 FILLER1 CHAR(4),                                                SRX00320
      2 CID   PIC '9',                                                  SRX00330
      2 YMS   CHAR(5),                                                  SRX00340
      2 FI2   CHAR(66);                                                 SRX00350
 DCL YY PIC '99' DEF YMS,                                               SRX00360
      MM PIC '99' DEF YMS POS(3),                                       SRX00370
      SN PIC '9'  DEF YMS POS(5);                                       SRX00380
      OPEN    FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66);                SRX00390
           OPEN     FILE(CARD);                                         SRX00400
           ON ENDFILE(CARD)   GOTO LAST;                                SRX00410
       CARDRD:                                                          SRX00420
           READ  FILE(CARD)   INTO(CARDREC);                            SRX00430
           SERSE =(((YY - 82) * 49)+ ((MM - 1) * 4)) + SN;              SRX00440
      SERSE2 =(((YY - 83) * 49)+ ((MM - 1) * 4))+ SN;                   SRX00450
           IF  OPT = 'TBSN' THEN  CALL SUBTBRTN;                        SRX00460
           IF  OPT = 'TBMN' THEN  CALL SUBTBRTN;                        SRX00470
           GOTO CARDRD;                                                 SRX00480
 SUBTBRTN: PROCEDURE;                                                   SRX00490
           CALL  SRSRTN;                                                SRX00500
       DCL TPRC  (10) FLOAT(16);                                        SRX00510
       DCL TDEX  (10)  FLOAT;                                           SRX00520
   DCL  1 HEADHG,                                                       SRX00530
         2 HHG1 CHAR (132),                                             SRX00540
         2 HHG2 CHAR (132),                                             SRX00550
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        2 HHG3 CHAR (132);                                                    SRX00560
   DCL  1 CTHG,                                                               SRX00570
        2 CTHG1 CHAR (132),                                                   SRX00580
        2 CTHG2 CHAR (132),                                                   SRX00590
        2 CTHG3 CHAR (132);                                                   SRX00600
   DCL   HEADA1 CHAR (50);                                                    SRX00610
  DCL 1 CTHG1, 2 CHG11 CHAR(132), 2 CHG12 CHAR(132), 2 CHG13 CHAR(132);       SRX00620
  DCL 1 CTHG2, 2 CHG21 CHAR(132), 2 CHG22 CHAR(132), 2 CHG23 CHAR(132);       SRX00630
  DCL 1 CTHG3, 2 CHG31 CHAR(132), 2 CHG32 CHAR(132), 2 CHG33 CHAR(132);       SRX00640
  DCL 1 CTHG4, 2 CHG41 CHAR(132), 2 CHG42 CHAR(132), 2 CHG43 CHAR(132);       SRX00650
  DCL 1 CTHG5, 2 CHG51 CHAR(132), 2 CHG52 CHAR(132), 2 CHG53 CHAR(132);       SRX00660
  DCL 1 CTHG6, 2 CHG61 CHAR(132), 2 CHG62 CHAR(132), 2 CHG63 CHAR(132);       SRX00670
  DCL 1 CTHG7, 2 CHG71 CHAR(132), 2 CHG72 CHAR(132), 2 CHG73 CHAR(132);       SRX00680
  DCL 1 CTHG8, 2 CHG81 CHAR(132), 2 CHG82 CHAR(132), 2 CHG83 CHAR(132);       SRX00690
   DCL  O      PIC '99';                                                      SRX00700
   DCL  TAB1 (6,50,10)  FLOAT;                                                SRX00710
   DCL  YCODTB  (50)  PIC '(5)9';                                             SRX00720
   DCL  YPUMHG  (50)  CHAR (25);                                              SRX00730
      DCL 1 CTHG12,                                                           SRX00740
          2 CHG121 CHAR(132),                                                 SRX00750
          2 CHG122 CHAR(132),                                                 SRX00760
          2 CHG123 CHAR(132);                                                 SRX00770
     DCL DOSINAME(10) CHAR(10) INIT                                           SRX00780
     ('TJ  DNF','QN  TKS','EO   RN','DLS  CJS','EO  WJS','RHKD    WN',       SRX00790
     'WJS   WN','CNS    CJS','CJD     WN','WJS EH TL') ;                     SRX00800
     DCL DAY PIC '99';                                                        SRX00810
     DCL  JYY PIC '99';                                                       SRX00820
     DCL L50 FIXED BIN(15) INIT(25);                                          SRX00830
     DCL L8  FIXED BIN(15) INIT(25);                                          SRX00840
     DCL L6  FIXED BIN(15) INIT(25);                                          SRX00850
     DCL L30       FIXED BIN(15) INIT(25);                                    SRX00860
     DCL L10       FIXED BIN(15) INIT(25);                                    SRX00870
     DCL D1   FLOAT(16) ,                                                     SRX00880
         D2   FLOAT(16) ,                                                     SRX00890
         D3   FLOAT(16) ,                                                     SRX00900
         D4   FLOAT(16) ;                                                     SRX00910
     DCL K1   FLOAT ,                                                         SRX00920
         K2   FLOAT ,                                                         SRX00930
         K3   FLOAT ,                                                         SRX00940
         K4   FLOAT ;                                                         SRX00950
      DCL TAB2  (6,500,2)  FLOAT;                                             SRX00960
     DCL PUMCODE  (500) PIC '(5)9';              /* TAB #3 */                 SRX00970
     DCL PCODEHG  (500)  CHAR(25) ;              /* TAB #3 */                 SRX00980
     DCL P    PIC '999' INIT(1);                                              SRX00990
     DCL  SRS1  PIC '999',                                                    SRX01000
          SRS2  PIC '999',                                                    SRX01010
          SRS3  PIC '999',                                                    SRX01020
          SRS4  PIC '999';                                                    SRX01030
      DCL SRSB1 PIC '999',                                                    SRX01040
          SRSB2 PIC '999',                                                    SRX01050
          SRSB3 PIC '999',                                                    SRX01060
          SRSB4 PIC '999';                                                    SRX01070
     DCL TOTDEX1  (2)  PIC '9999V99';      /* TAB #7 */                       SRX01080
      DCL CITY     PIC '99';                                                  SRX01090
      DCL MARGIN1  PIC '(7)9';                                                SRX01100
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       DCL NOMIKEY  (2) PIC '(7)9' INIT(9999901,9999999);                SRX01110
       DCL NOMI          PIC '(7)9';                                     SRX01120
       DCL INDEX1        PIC '9';          /*  TAB #7 */                SRX01130
       DCL SW            PIC '9'  INIT(0); /* TAB #2 & #9 */             SRX01140
       DCL SAVEPUM       PIC '(5)9';       /* TAB #2 & #9 */             SRX01150
       DCL SAVEHG   CHAR(25);              /* TAB #2 & #9 */             SRX01160
       DCL COUNT    PIC '99' INIT(2);                                    SRX01170
       DCL J     PIC   '999' INIT(1);      /* TAB #2 & #9 */             SRX01180
       DCL TAB4  (6,21,4)    FLOAT;                                     SRX01190
       DCL HGTB4 (21)   CHAR(25);                                       SRX01200
       DCL PCOD4 (21) PIC '99999' INIT(99999,19999,10199,10299,10399,   SRX01210
                  10499,10599,10699,10799,10899,10999,11099,11199,      SRX01220
                  11299,11399,11499,88888,29999,39999,49999,59999);     SRX01230
       DCL HED   PIC '99';                                              SRX01240
       DCL TIT   PIC '99';                                              SRX01250
       DAY=SN*10-5;                                                     SRX01260
       IF SN=4 THEN DO;  DAY=0; END;                                    SRX01270
           IF  OPT  = 'TBSN'  THEN DO;                                  SRX01280
               CALL UPTRTN;                                             SRX01290
           IF CID = 1 THEN GOTO LAST;                                   SRX01300
               CALL TB01RTN;                                            SRX01310
               CALL TB02RTN;                                            SRX01320
               CALL TB03RTN;                                            SRX01330
               CALL TB04RTN;                                            SRX01340
               CALL TB06RTN;                                            SRX01350
               CALL TB07RTN;                                            SRX01360
               CALL SENGGEBI;                                           SRX01370
               CALL TB12RTN;                                            SRX01380
               CALL BACKRTN;                                            SRX01390
           END;                                                         SRX01400
           ELSE DO;                                                     SRX01410
               PUT PAGE;                                                SRX01420
               CALL TB01RTN;                                            SRX01430
               CALL TB09RTN;                                            SRX01440
               CALL TB10RTN;                                            SRX01450
               CALL TB11RTN;                                            SRX01460
               CALL TB12RTN;                                            SRX01470
               CALL TB13RTN;                                            SRX01480
               CALL SENGGEBI;                                           SRX01490
               CALL BACKRTN;                                            SRX01500
           END;                                                         SRX01510
 /*************************************************************************/ SRX01520
HEADRTN:     PROCEDURE;                                                 SRX01530
           PUT PAGE;                                                    SRX01540
           IF HED = 1  THEN DO;                                         SRX01550
           HEADA1 = 'WJSEHTL RKRUR ALC WLTNVY';                         SRX01560
           PP = 1;                                                      SRX01570
           CALL HEADSUB;                                                SRX01580
           GOTO ENDRTN;                                                 SRX01590
           END;                                                         SRX01600
           IF HED = 2  THEN DO;                                         SRX01610
           HEADA1 = 'DBQUF QNSTJRVY';                                   SRX01620
           PP=2;                                                        SRX01630
           CALL HEADSUB;                                                SRX01640
           GOTO ENDRTN;                                                 SRX01650
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END;                                                                SRX01660
IF HED = 3  THEN DO;                                                SRX01670
HEADA1 = 'VNAAHRQUF QNSRJRVY';                                      SRX01680
PP=3;                                                               SRX01690
CALL HEADSUB;                                                       SRX01700
GO TO ENDRTN;                                                       SRX01710
END;                                                                SRX01720
IF HED = 4  THEN DO;                                                SRX01730
HEADA1 = 'THQLWK ANFRK WLTN (RUFRHKVY)';                            SRX01740
PP = 4;                                                             SRX01750
CALL  HEADSUB;                                                      SRX01760
GOTO ENDRTN;                                                        SRX01770
END;                                                                SRX01780
IF HED = 5 THEN DO;                                                 SRX01790
HEADA1 = 'EHTLQUF WNDYTKDVNA THAKLRKRURVY';                         SRX01800
PP = 5;                                                             SRX01810
CALL HEADSUB;                                                       SRX01820
GOTO ENDRTN;                                                        SRX01830
END;                                                                SRX01840
IF HED = 6 THEN DO;                                                 SRX01850
HEADA1 = 'RLDUEH DYDIVY';                                           SRX01860
PP = 6;                                                             SRX01870
CALL HEADSUB;                                                       SRX01880
GOTO ENDRTN;                                                        SRX01890
END;                                                                SRX01900
IF HED = 7 THEN DO;                                                 SRX01910
HEADA1 = 'DNJF VUDRBS RKRURVY';                                     SRX01920
PP = 7;                                                             SRX01930
CALL HEADSUB;                                                       SRX01940
GOTO ENDRTN;                                                        SRX01950
END;                                                                SRX01960
IF HED = 8 THEN DO;                                                 SRX01970
HEADA1 = 'EHTLQUF VUDRBS RKRURVY';                                  SRX01980
PP = 8;                                                             SRX01990
CALL HEADSUB;                                                       SRX02000
GOTO ENDRTN;                                                        SRX02010
END;                                                                SRX02020
IF  HED = 9   THEN DO;                                              SRX02030
HEADA1 = 'QUSEHD VNAAHRVY';                                         SRX02040
PP = 9;                                                             SRX02050
CALL HEADSUB;                                                       SRX02060
GOTO ENDRTN;                                                        SRX02070
END;                                                                SRX02080
IF HED = 10 THEN DO;                                                SRX02090
HEADA1 = 'EHTLQUF RKRUR DYRULVY';                                   SRX02100
PP = 10;                                                            SRX02110
CALL HEADSUB;                                                       SRX02120
GOTO ENDRTN;                                                        SRX02130
END;                                                                SRX02140
IF HED = 11 THEN DO;                                                SRX02150
HEADA1 = 'THQLWK ANFRK EMDFKR VNAAHRVY';                            SRX02160
PP = 11;                                                            SRX02170
CALL HEADSUB;                                                       SRX02180
GOTO ENDRTN;                                                        SRX02190
END;                                                                SRX02200
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FILE: SRXWUT54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
       HEADSUB:      PROCEDURE;                                                  SRX02210
            L50=50;                                                             SRX02220
           CALL HGBATCH (FUNC,RTC,HEADA1,L50,HEADHG,L50);                       SRX02230
           PUT SKIP(2) EDIT('TAB #',PP,HHG1,'1980 = 100')                       SRX02240
           (X(10),A,F(2),X(50),A(30),X(15),A);                                  SRX02250
           PUT SKIP(0) EDIT(HHG2)(X(67),A(30));                                 SRX02260
           PUT SKIP(1) EDIT(HHG3,YY,MM)(X(67),A(30),X(10),F(2),                 SRX02270
              X(4),F(2));                                                       SRX02280
      IF DAY = 5 THEN                                                           SRX02290
            CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,3,'CH TNS') ;            SRX02300
      ELSE  IF DAY = 15 THEN                                                    SRX02310
            CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,3,'WND TNS') ;           SRX02320
      ELSE  IF DAY = 25 THEN                                                    SRX02330
            CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,4,'GK TNS') ;            SRX02340
      ELSE  CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,4,'VUD RBS') ;           SRX02350
       PUT SKIP(1) EDIT('============================')(X(61),A);               SRX02360
       END  HEADSUB;                                                            SRX02370
       ENDRTN:                                                                  SRX02380
       END HEADRTN;                                                             SRX02390
/*************************************************************************/     SRX02400
       SRSRTN:    PROCEDURE;                                                    SRX02410
        IF MM = 1 THEN DO;                                                      SRX02420
          IF SN=1 THEN DO;                                                      SRX02430
          SRS1=SERSE-3;                                                         SRX02440
          SRS2=SERSE-5;                                                         SRX02450
          SRSB1=SERSE2-3;                                                       SRX02460
          SRSB2=SERSE2-5;                                                       SRX02470
         END;                                                                   SRX02480
        ELSE IF SN=4 THEN DO;                                                   SRX02490
          SRS1=SERSE-5;                                                         SRX02500
          SRSB1=SERSE2-5;                                                       SRX02510
          END;                                                                  SRX02520
        ELSE DO;                                                                SRX02530
         SRS1=SERSE-1;                                                          SRX02540
         SRS2=SERSE-5;                                                          SRX02550
         SRSB1=SERSE2-1;                                                        SRX02560
         SRSB2=SERSE2-5;                                                        SRX02570
         END;                                                                   SRX02580
       END;                                                                     SRX02590
      ELSE DO;                                                                  SRX02600
           IF SN = 1 THEN DO;                                                   SRX02610
               SRS1 = SERSE - 2;                                                SRX02620
               SRS2 = SERSE - 4;                                                SRX02630
               SRSB1 = SERSE2 - 2;                                              SRX02640
               SRSB2 = SERSE2 - 4;                                              SRX02650
             END;                                                               SRX02660
           ELSE IF SN = 4 THEN DO;                                              SRX02670
               SRS1 = SERSE - 4;                                                SRX02680
               SRSB1 = SERSE2 - 4;                                              SRX02690
             END;                                                               SRX02700
           ELSE DO;                                                             SRX02710
                SRS1 = SERSE - 1;                                               SRX02720
               SRS2 = SERSE - 4;                                                SRX02730
                SRSB1 = SERSE2 - 1;                                             SRX02740
                SRSB2 = SERSE2 - 4;                                             SRX02750
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          END;                                                                  SRX02760
       END;                                                                     SRX02770
        SRS3=97;                                                                SRX02780
        SRS4=SERSE-49;                                                          SRX02790
        SRSB3=48;                                                               SRX02800
        SRSB4=SERSE2-49;                                                        SRX02810
          END SRSRTN;                                                           SRX02820
/*************************************************************************/     SRX02830
TB01RTN:      PROCEDURE;                                                        SRX02840
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                                 SRX02850
          ON ENDFILE(ISAM) GOTO LAST01;                                         SRX02860
          HED= 1;                                                               SRX02870
          CALL HEADRTN;                                                         SRX02880
     CALL HPUT6('OS',2,1,26,'ZH  EM   VNA  AHR              ',                  SRX02890
                        0,22,'TJ  DNF      QN  TKS      ',                     SRX02900
                        0,22,'EO   RN     DLS  CJS     ',                     SRX02910
                        0,21,'EO  WJS    RHKD   WN     ',                     SRX02920
                        0,22,'WJS   WN     CNS   CJS     ',                   SRX02930
                        0,18,'CJD   WN    WJS EH TL') ;                       SRX02940
       READRTN:                                                                 SRX02950
          DO I = 1 TO 10;                                                       SRX02960
             READ FILE(ISAM) INTO(ISAMREC);                                     SRX02970
       TPRC(I)= DEXPRICE(SERSE);                                                SRX02980
       TDEX(I)= DEX(SERSE);                                                     SRX02990
       TPRC(I)= TPRC(I)/100;                                                    SRX03000
       TDEX(I)= TDEX(I)/ 100;                                                   SRX03010
          END;                                                                  SRX03020
          CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HEADHG,L30);                        SRX03030
          PUT SKIP(3) EDIT(PUM,HHG1,(TDEX (I) DO I = 1 TO 10))                  SRX03040
                        (X(1),A,X(1),A(15), 10 (X(1),F(10,2)));                 SRX03050
          PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                                   SRX03060
          PUT SKIP(1) EDIT(HHG3)(X(7),A(15));                                   SRX03070
       PUT SKIP(1) EDIT((TPRC(I) DO I=1 TO 10))                                 SRX03080
            (X(22), 10(X(1), F(10,2)));                                         SRX03090
          GOTO READRTN;                                                         SRX03100
       LAST01:                                                                  SRX03110
          CLOSE FILE(ISAM);                                                     SRX03120
          END TB01RTN;                                                          SRX03130
/*************************************************************************/     SRX03140
TB02RTN:  PROCEDURE;                                                            SRX03150
          OPEN FILE(ISAM) SEQUENTIAL INPUT;                                     SRX03160
          ON ENDFILE(ISAM) GOTO LAST02;                                         SRX03170
          HED = 2;                                                              SRX03180
          SW=0;  I=0;  J=1;                                                     SRX03190
       READ2RTN:                                                                SRX03200
          READ     FILE(ISAM)  INTO(ISAMREC);                                   SRX03210
          IF SUBSTR(KEY,4,2)='99' THEN GOTO AA1;                                SRX03220
          IF SUBSTR(KEY,4,2)='88' THEN GOTO AA1;                                SRX03230
          GO TO READ2RTN;                                                       SRX03240
  AA1:                                                                          SRX03250
          I = I + 1;                                                            SRX03260
          IF  SW ¬= 1 THEN GOTO NEXT1;                                          SRX03270
          IF PUM ¬= SAVEPUM  THEN DO;                                           SRX03280
          YCODTB (J) = SAVEPUM;                                                 SRX03290
          YPUMHG (J) = SAVEHG;                                                  SRX03300
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          I = 1;                                                          SRX03310
              J = J + 1;                                                  SRX03320
              END;                                                        SRX03330
        NEXT1:                                                            SRX03340
        TAB1 (1,J,I) = DEX (SERSE);                                       SRX03350
        TAB1 (2,J,I) = DEX (SRS1) ;                                       SRX03360
        TAB1 (3,J,I) = DEX (SRS2) ;                                       SRX03370
        TAB1 (4,J,I) = DEX (SRS3) ;                                       SRX03380
        TAB1 (5,J,I) = DEX (SRS4) ;                                       SRX03390
        TAB1 (6,J,I) = PUMWGT;                                            SRX03400
        TAB1 (1,J,I) = TAB1 (1,J,I) / 100;                                SRX03410
        TAB1 (2,J,I) = TAB1 (2,J,I) / 100;                                SRX03420
        TAB1 (3,J,I) = TAB1 (3,J,I) / 100;                                SRX03430
        TAB1 (4,J,I) = TAB1 (4,J,I) / 100;                                SRX03440
        TAB1 (5,J,I) = TAB1 (5,J,I) / 100;                                SRX03450
        TAB1 (6,J,I) = TAB1 (6,J,I) / 10;                                 SRX03460
            SAVEPUM = PUM;                                                SRX03470
            SW = 1;              SAVEHG = HGCHAR;                         SRX03480
            GOTO READ2RTN;                                                SRX03490
        LAST02:                                                           SRX03500
            YCODTB (J) = SAVEPUM;                                         SRX03510
            YPUMHG (J) = SAVEHG;                                          SRX03520
            DO I = 1 TO 10;                                               SRX03530
       CALL HEADRTN;                                                      SRX03540
       PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A);                   SRX03550
       CALL HPUT1('OS',0,9,10,DOSINAME(I)) ;                              SRX03560
       PUT SKIP(2) EDIT('*-------------','-------------*',                SRX03570
       '*---','---*','*----','----*')                                     SRX03580
       (X(23),A,X(11),A,X(5),A,X(16),A,X(12),A,X(9),A) ;                  SRX03590
       CALL HPUT3('OS',0,37,11,'  WL    TN  ',22,16,                     SRX03600
       '   EMD   FKR   DBF   ',21,9,' RL DU EH ') ;                       SRX03610
       CALL HPUT5('OS',2,2,4,'ZH  EM',3,4,'VNA  AHR',9,38,                SRX03620
        '  RMA TNS   WJS TNS    WJSDNJFEHDTNS WJSSUSAKFDNJF WJSSUSEHDTNS',SRX03630
      1,35,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS ',   SRX03640
       1,34,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS') ; SRX03650
             DO K = 1 TO 45;                                              SRX03660
        IF TAB1(2,K,I)=0 THEN DO; D1=0; GOTO NA1; END;                    SRX03670
             D1 = (TAB1 (1,K,I) / TAB1 (2,K,I) - 1) * 100;                SRX03680
NA1:                                                                      SRX03690
       IF TAB1(3,K,I)=0 THEN DO; D2=0; GOTO NA2 ; END;                    SRX03700
             D2 = (TAB1 (1,K,I) / TAB1 (3,K,I) - 1) * 100;                SRX03710
NA2:                                                                      SRX03720
       IF TAB1(4,K,I)=0 THEN DO;  D3=0; GOTO NA3; END;                    SRX03730
             D3 = (TAB1 (1,K,I) / TAB1 (4,K,I) - 1) * 100;                SRX03740
NA3:                                                                      SRX03750
       IF TAB1(5,K,I)=0 THEN DO; D4=0; GOTO NA4; END;                     SRX03760
             D4 = (TAB1 (1,K,I) / TAB1 (5,K,I) - 1) * 100;                SRX03770
NA4:                                                                      SRX03780
       IF TAB1(2,45,I)=0 THEN DO;                                         SRX03790
       K1=0; GOTO NA5;                                                    SRX03800
       END;                                                               SRX03810
               K1 = ((TAB1 (1,K,I) - TAB1 (2,K,I)) * TAB1 (6,K,I))        SRX03820
                          / (TAB1 (2,45,I) * 10);                         SRX03830
NA5:                                                                      SRX03840
       IF TAB1(3,45,I)=0 THEN DO;                                         SRX03850
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      K2=0; GOTO NA6;                                                    SRX03860
      END;                                                               SRX03870
               K2 = ((TAB1 (1,K,I) - TAB1 (3,K,I)) * TAB1 (6,K,I))       SRX03880
                          / (TAB1 (3,45,I) * 10);                        SRX03890
NA6:                                                                     SRX03900
      IF TAB1(4,45,I)= 0 THEN DO;                                        SRX03910
      K3=0;  GOTO NA7;                                                   SRX03920
      END;                                                               SRX03930
               K3 = ((TAB1 (1,K,I) - TAB1 (4,K,I)) * TAB1 (6,K,I))       SRX03940
                          / (TAB1 (4,45,I) * 10);                        SRX03950
NA7:                                                                     SRX03960
      IF TAB1(5,45,I)=0 THEN DO;                                         SRX03970
      K4=0; GOTO NA8;                                                    SRX03980
      END;                                                               SRX03990
               K4 = ((TAB1 (1,K,I) - TAB1 (5,K,I)) * TAB1 (6,K,I))       SRX04000
                          / (TAB1 (5,45,I) * 10);                        SRX04010
NA8:                                                                     SRX04020
               CALL HGBATCH (FUNC,RTC,YPUMHG (K),L30,HEADHG,L30);        SRX04030
               PUT SKIP(2) EDIT(YCODTB (K),HHG1,TAB1 (1,K,I),            SRX04040
                       TAB1 (2,K,I),TAB1 (3,K,I),TAB1 (4,K,I),           SRX04050
                       TAB1 (5,K,I),D1,D2,D3,D4,K1,K2,K3,K4)             SRX04060
                      (X(2),F(5),X(2),A(15),X(5),F(6,2),X(1),F(6,2),     SRX04070
                       X(1),F(6,2),X(1),F(6,2),X(1),F(6,2),X(5),         SRX04080
                       F(5,1),X(1),F(5,1),X(1),F(5,1),X(1),F(5,1),       SRX04090
                  X(5),F(5,2),X(1),F(5,2),X(1),F(5,2),X(1),              SRX04100
                       F(5,2));                                          SRX04110
               PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                       SRX04120
               PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                       SRX04130
            END;                                                         SRX04140
            PUT  PAGE;                                                   SRX04150
         END;                                                            SRX04160
         CLOSE FILE(ISAM);                                               SRX04170
         K=1;                                                            SRX04180
         END TB02RTN;                                                    SRX04190
  /*****************************************************************/    SRX04200
TB03RTN:      PROCEDURE;                                                 SRX04210
         OPEN  FILE(ISAM) SEQUENTIAL  INPUT;                             SRX04220
         ON ENDFILE(ISAM) GOTO LAST03;                                   SRX04230
         DCL DOSI PIC '99' INIT(1);                                      SRX04240
         HED = 3;                                                        SRX04250
      READ3RTN:                                                          SRX04260
         READ     FILE(ISAM)  INTO(ISAMREC);                             SRX04270
         IF SUBSTR(KEY,6,2) = '01' THEN DO;                              SRX04280
      TAB2 (1,P,1) = DEX (SERSE);                                        SRX04290
      TAB2 (2,P,1) = DEX (SRS1);                                         SRX04300
      TAB2 (3,P,1) = DEX (SRS2);                                         SRX04310
      TAB2 (4,P,1) = DEX (SRS3);                                         SRX04320
      TAB2 (5,P,1) = DEX (SRS4);                                         SRX04330
      TAB2 (6,P,1) = PUMWGT ;                                            SRX04340
      TAB2 (1,P,1) = TAB2 (1,P,1) / 100;                                 SRX04350
      TAB2 (2,P,1) = TAB2 (2,P,1) / 100;                                 SRX04360
      TAB2 (3,P,1) = TAB2 (3,P,1) / 100;                                 SRX04370
      TAB2 (4,P,1) = TAB2 (4,P,1) / 100;                                 SRX04380
      TAB2 (5,P,1) = TAB2 (5,P,1) / 100;                                 SRX04390
      TAB2 (6,P,1) = TAB2 (6,P,1) / 10;                                  SRX04400
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          GOTO READ3RTN;                                                    SRX04410
          END;                                                              SRX04420
          IF SUBSTR(KEY,6,2) = '99' THEN DO;                                SRX04430
       TAB2 (1,P,2)= DEX (SERSE);                                           SRX04440
       TAB2 (2,P,2) = DEX (SRS1);                                           SRX04450
       TAB2 (3,P,2) = DEX (SRS2);                                           SRX04460
       TAB2 (4,P,2) = DEX (SRS3);                                           SRX04470
       TAB2 (5,P,2) = DEX (SRS4);                                           SRX04480
       TAB2 (6,P,2) = PUMWGT;                                               SRX04490
       TAB2 (1,P,2) = TAB2 (1,P,2) / 100;                                   SRX04500
       TAB2 (2,P,2) = TAB2 (2,P,2) / 100;                                   SRX04510
       TAB2 (3,P,2) = TAB2 (3,P,2) / 100;                                   SRX04520
       TAB2 (4,P,2) = TAB2 (4,P,2) / 100;                                   SRX04530
       TAB2 (5,P,2) = TAB2 (5,P,2) / 100;                                   SRX04540
       TAB2 (6,P,2) = TAB2 (6,P,2) / 10;                                    SRX04550
             PUMCODE (P) = PUM;                                             SRX04560
             PCODEHG (P) = HGCHAR;                                          SRX04570
             P = P + 1;                                                     SRX04580
             END;                                                           SRX04590
          GOTO READ3RTN;                                                    SRX04600
       LAST03:                                                              SRX04610
          DO I =  1 TO 2;                                                   SRX04620
        CALL HEADRTN;                                                       SRX04630
      PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                     SRX04640
      CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                              SRX04650
      PUT SKIP(2) EDIT('*-------------','-----------*','*---','---*',       SRX04660
      '*-----','-----*')(X(23),A,X(11),A,X(6),A,X(15),A,X(9),A,X(10),A) ;   SRX04670
      CALL HPUT3('OS',0,36,11,' WL      TN',22,15,' EMD    FKR    DBF  'SRX04680
      ,18,10,' RL DU EH  ') ;                                               SRX04690
      CALL HPUT5('OS',2,2,4,'ZH EM',3,4,'VNA  AHR',10,37,                   SRX04700
      'RMA   TNS  WJS  TNS   WJSDNJFEHDTNS WJSSUSAKFDNJF WJSSUSEHDTNS',2SRX04710
      ,34,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS',1,34SRX04720
      ,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS') ;        SRX04730
          DO K=1 TO 439;                                                    SRX04740
       IF TAB2(2,K,I)=0 THEN DO;                                            SRX04750
          D1=0; GOTO NB1; END;                                              SRX04760
                D1 = (TAB2 (1,K,I) / TAB2 (2,K,I) - 1) * 100;               SRX04770
 NB1:                                                                       SRX04780
     IF TAB2(3,K,I)=0 THEN DO; D2=0; GOTO NB2; END;                         SRX04790
                D2 = (TAB2 (1,K,I) / TAB2 (3,K,I) - 1) * 100;               SRX04800
NB2:                                                                        SRX04810
     IF TAB2(4,K,I)=0 THEN DO; D3=0; GOTO NB3; END;                         SRX04820
                D3 = (TAB2(1,K,I) / TAB2 (4,K,I) - 1) * 100;                SRX04830
NB3:                                                                        SRX04840
     IF TAB2(5,K,I)=0 THEN DO; D4=0; GOTO NB4; END;                         SRX04850
                D4 = (TAB2 (1,K,I) / TAB2 (5,K,I) - 1) * 100;               SRX04860
NB4:                                                                        SRX04870
          IF TAB2(2,439,I)=0 THEN DO; K1=0;  GOTO NB5; END;                 SRX04880
                K1 = ((TAB2 (1,K,I) - TAB2 (2,K,I)) * TAB2 (6,K,I))         SRX04890
               / (TAB2(2,439,I)* 10);/* TOTAL 999 */                       SRX04900
NB5:                                                                        SRX04910
    IF TAB2(3,439,I)=0 THEN DO; K2=0; GOTO NB6; END;                        SRX04920
                K2 = ((TAB2 (1,K,I) - TAB2 (3,K,I)) * TAB2 (6,K,I))         SRX04930
                                / (TAB2 (3,439,I) * 10);                    SRX04940
NB6:                                                                        SRX04950
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          IF TAB2(4,439,I)=0 THEN DO; K3=0; GOTO NB7; END;                SRX04960
                K3 = ((TAB2 (1,K,I) - TAB2 (4,K,I)) * TAB2 (6,K,I))       SRX04970
                                    / (TAB2 (4,439,I) * 10);              SRX04980
 NB7:                                                                     SRX04990
      IF TAB2(5,439,I)=0 THEN DO; K4=0; GOTO NB8; END;                    SRX05000
                K4 = ((TAB2 (1,K,I) - TAB2 (5,K,I)) * TAB2 (6,K,I))       SRX05010
                                    / (TAB2 (5,439,I) * 10);              SRX05020
  NB8:    L30=25;                                                         SRX05030
          CALL HGBATCH (FUNC,RTC,PCODEHG (K),L30,HEADHG,L30);             SRX05040
          PUT SKIP(2) EDIT(PUMCODE (K),HHG1,TAB2(1,K,I),                  SRX05050
              TAB2 (2,K,I),TAB2 (3,K,I),TAB2 (4,K,I),TAB2 (5,K,I),        SRX05060
              D1,D2,D3,D4,K1,K2,K3,K4)(X(2),F(5),X(2),A(15),X(2),         SRX05070
              F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),     SRX05080
              X(5),F(6,2),X(1),F(6,2),X(1),F(6,2),X(1),F(6,2),X(5),       SRX05090
              F(6,2),X(1),F(6,2),X(1),F(6,2),X(1),F(6,2));                SRX05100
          PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                             SRX05110
          PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                             SRX05120
          END;                                                            SRX05130
          PUT  PAGE;    DOSI=10;                                          SRX05140
        END;                                                              SRX05150
          CLOSE FILE(ISAM);                                               SRX05160
          K = 1;                                                          SRX05170
      END TB03RTN;                                                        SRX05180
    /*****************************************************************/   SRX05190
      TB04RTN:          PROCEDURE;                                        SRX05200
          OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                            SRX05210
          ON ENDFILE(ISAM)  GOTO LAST04;                                  SRX05220
          PUT  PAGE;   JYY=YY-1;  DOSI=1;                                 SRX05230
          K=0;                                                            SRX05240
          HED = 4;                                                        SRX05250
      READ4RTN:                                                           SRX05260
          READ FILE(ISAM)  INTO(ISAMREC);                                 SRX05270
          IF SUBSTR(KEY,6,2) = '01' THEN GO TO AA2;                       SRX05280
          IF SUBSTR(KEY,6,2) = '99' THEN GO TO AA2;                       SRX05290
          GOTO READ4RTN;                                                  SRX05300
  AA2:                                                                    SRX05310
          DO  I = 1 TO 21;                                                SRX05320
          IF  PUM = PCOD4 (I)  THEN  GOTO  NEXT4;                         SRX05330
          END;                                                            SRX05340
          GO TO READ4RTN;                                                 SRX05350
      NEXT4:                                                              SRX05360
          IF SUBSTR(KEY,6,2) = '01' THEN DO;                              SRX05370
          TAB4 (1,I,1) = DEX (SERSE);                                     SRX05380
          TAB4 (2,I,1) = DEX (SRS1) ;                                     SRX05390
          TAB4 (3,I,1) = DEX (SRS2) ;                                     SRX05400
          TAB4 (4,I,1) = DEX (SRS3) ;                                     SRX05410
          TAB4 (5,I,1) = DEX (SRS4) ;                                     SRX05420
          TAB4 (1,I,3) = DEX (SERSE2);                                    SRX05430
          TAB4 (2,I,3) = DEX (SRSB1) ;                                    SRX05440
          TAB4 (3,I,3) = DEX (SRSB2) ;                                    SRX05450
          TAB4 (4,I,3) = DEX (SRSB3) ;                                    SRX05460
          TAB4 (5,I,3) = DEX (SRSB4) ;                                    SRX05470
          TAB4 (6,I,1) = PUMWGT;                                          SRX05480
          TAB4(1,I,1)=TAB4(1,I,1) / 100;                                  SRX05490
          TAB4(2,I,1)=TAB4(2,I,1) / 100;                                  SRX05500
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      TAB4(3,I,1)=TAB4(3,I,1) / 100;                                    SRX05510
      TAB4(4,I,1)=TAB4(4,I,1) / 100;                                    SRX05520
      TAB4(5,I,1)=TAB4(5,I,1) / 100;                                    SRX05530
      TAB4(1,I,3) = TAB4(1,I,3) / 100;                                  SRX05540
      TAB4(2,I,3) = TAB4(2,I,3) / 100;                                  SRX05550
      TAB4(3,I,3) = TAB4(3,I,3) / 100;                                  SRX05560
      TAB4(4,I,3) = TAB4(4,I,3) / 100;                                  SRX05570
      TAB4(5,I,3) = TAB4(5,I,3) / 100;                                  SRX05580
      TAB4(6,I,1)=TAB4(6,I,1)/10;                                       SRX05590
      HGTB4 (I) = HGCHAR;                                               SRX05600
      GO TO READ4RTN;                                                   SRX05610
      END;                                                              SRX05620
 ELSE     TAB4 (1,I,2) = DEX (SERSE);                                   SRX05630
          TAB4 (2,I,2) = DEX (SRS1) ;                                   SRX05640
          TAB4 (3,I,2) = DEX (SRS2) ;                                   SRX05650
          TAB4 (4,I,2) = DEX (SRS3) ;                                   SRX05660
          TAB4 (5,I,2) = DEX (SRS4) ;                                   SRX05670
          TAB4 (6,I,2) = PUMWGT;                                        SRX05680
          TAB4 (1,I,4) = DEX (SERSE2);                                  SRX05690
          TAB4 (2,I,4) = DEX (SRSB1) ;                                  SRX05700
          TAB4 (3,I,4) = DEX (SRSB2) ;                                  SRX05710
          TAB4 (4,I,4) = DEX (SRSB3) ;                                  SRX05720
     TAB4(5,I,4) = DEX (SRSB4);                                         SRX05730
      TAB4(1,I,2)= TAB4(1,I,2) / 100;                                   SRX05740
      TAB4(2,I,2)= TAB4(2,I,2) / 100;                                   SRX05750
      TAB4(3,I,2)= TAB4(3,I,2) / 100;                                   SRX05760
      TAB4(4,I,2)= TAB4(4,I,2) / 100;                                   SRX05770
      TAB4(5,I,2)= TAB4(5,I,2) / 100;                                   SRX05780
      TAB4(6,I,2)= TAB4(6,I,2) / 10;                                    SRX05790
      TAB4(1,I,4) = TAB4(1,I,4) / 100;                                  SRX05800
      TAB4(2,I,4) = TAB4(2,I,4) / 100;                                  SRX05810
      TAB4(3,I,4) = TAB4(3,I,4) / 100;                                  SRX05820
      TAB4(4,I,4) = TAB4(4,I,4) / 100;                                  SRX05830
      TAB4(5,I,4) = TAB4(5,I,4) / 100;                                  SRX05840
                  GOTO READ4RTN;                                        SRX05850
 LAST04:                                                                SRX05860
     DO J = 1 TO 2;                                                     SRX05870
   CALL HEADRTN;                                                        SRX05880
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                       SRX05890
CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                                SRX05900
PUT SKIP(2) EDIT('*------------------ ',YY,MM,' ------------------*',    SRX05910
'*------------------ ',JYY,MM,' ------------------*')                   SRX05920
(X(30),A,F(2),X(4),F(2),X(3),A,X(5),A,F(2),X(4),F(2),X(3),A) ;          SRX05930
CALL HPUT4('OS',0,50,2,'SUS',4,2,'DNJF',43,2,'SUS',4,2,'DNJF') ;        SRX05940
CALL HPUT3('OS',2,0,28,' ZH  EM    VNA  AHR          RKWNDCL ',        SRX05950
3,42,'   ¬*¬ WL      TN ¬*¬          ¬*¬ EMD    FKR     DBF ¬*¬',       SRX05960
5,42,'   ¬*¬ WL      TN ¬*¬          ¬*¬ EMD    FKR     DBF ¬*¬');      SRX05970
CALL HPUT4('OS',2,33,13,'RMA  TNS    WJS  TNS',1,35,                    SRX05980
' QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS',1,13,        SRX05990
'RMA  TNS    WJS  TNS',1,35,                                            SRX06000
' QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS') ;           SRX06010
     K=J + 2;                                                           SRX06020
       DO I = 1 TO 21;                                                  SRX06030
     IF TAB4(2,I,J)=0 THEN DO; D1=0; GOTO NC1; END;                     SRX06040
         D1 = (TAB4 (1,I,J) / TAB4 (2,I,J) -1) * 100;                   SRX06050
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       NC1:                                                                    SRX06060
           IF TAB4(3,I,J)=0 THEN DO; D2=0; GOTO NC2; END;                      SRX06070
               D2 = (TAB4 (1,I,J) / TAB4 (3,I,J) -1) * 100;                    SRX06080
       NC2:                                                                    SRX06090
           IF TAB4(4,I,J)=0 THEN DO; D3=0; GOTO NC3; END;                      SRX06100
               D3 = (TAB4 (1,I,J) / TAB4 (4,I,J) -1) * 100;                    SRX06110
       NC3:                                                                    SRX06120
           IF TAB4(5,I,J)=0 THEN DO; D4=0; GOTO NC4; END;                      SRX06130
               D4 = (TAB4 (1,I,J) / TAB4 (5,I,J) -1) * 100;                    SRX06140
       NC4:                                                                    SRX06150
           IF TAB4(2,I,K)=0 THEN DO; K1=0; GOTO NC5; END;                      SRX06160
               K1 = (TAB4 (1,I,K) / TAB4 (2,I,K) -1) * 100;                    SRX06170
       NC5:                                                                    SRX06180
           IF TAB4(3,I,K)=0 THEN DO; K2=0; GOTO NC6; END;                      SRX06190
               K2 = (TAB4 (1,I,K) / TAB4 (3,I,K) -1) * 100;                    SRX06200
       NC6:                                                                    SRX06210
           IF TAB4(4,I,K)=0 THEN DO; K3=0; GOTO NC7; END;                      SRX06220
               K3 = (TAB4 (1,I,K) / TAB4 (4,I,K) -1) * 100;                    SRX06230
       NC7:                                                                    SRX06240
           IF TAB4(5,I,K)=0 THEN DO; K4=0; GOTO NC8; END;                      SRX06250
               K4 = (TAB4 (1,I,K) / TAB4 (5,I,K) -1) * 100;                    SRX06260
       NC8:                                                                    SRX06270
           CALL HGBATCH (FUNC,RTC,HGTB4 (I),L30,HEADHG,L30);                   SRX06280
           PUT SKIP(2) EDIT(PCOD4 (I),HHG1,TAB4 (6,I,J),TAB4 (1,I,J),          SRX06290
                       TAB4 (2,I,J),D1,D2,D3,D4,TAB4 (1,I,K),                  SRX06300
                       TAB4 (2,I,K),K1,K2,K3,K4)(X(1),F(5),X(1),A(15),         SRX06310
                       X(1),F(6,1),X(3),                                       SRX06320
                       F(6,1),X(1),F(6,1),X(5),F(5,1),X(2),F(5,1),X(2),        SRX06330
                       F(5,1),X(2),F(5,1),X(6),F(6,1),X(2),F(6,1),X(5),        SRX06340
                       F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2));            SRX06350
           PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                                 SRX06360
           PUT SKIP(1) EDIT(HHG3)(X(7),A(15));                                 SRX06370
           END;                                                                SRX06380
           PUT PAGE;   DOSI=10;                                                SRX06390
         END;                                                                  SRX06400
           CLOSE FILE(ISAM);                                                   SRX06410
       END TB04RTN;                                                            SRX06420
 /*************************************************************************/   SRX06430
  TB06RTN:    PROCEDURE;                                                       SRX06440
       DCL MARGIN   FLOAT;                                                    SRX06450
       HED  = 8;                                                              SRX06460
       CALL HEADRTN;                                                          SRX06470
      CALL HPUT2('OS',2,0,39,'        ZH  EM       VNA  AHR          EHSRX06480
 TL',0,59,'       WJS  TNS          RMA    TNS           CK  DOR       SRX06490
 QL RH') ;                                                                    SRX06500
           OPEN     FILE(ISAM)  SEQUENTIAL  INPUT;                            SRX06510
           ON ENDFILE(ISAM)  GOTO LAST05RTN;                                   SRX06520
       READ6RTN:                                                              SRX06530
           READ  FILE(ISAM)   INTO(ISAMREC);                                   SRX06540
           IF  SUBSTR(KEY,4,2) = '99' THEN GOTO READ6RTN;                      SRX06550
           IF  SUBSTR(KEY,4,2) = '88' THEN GOTO READ6RTN;                      SRX06560
           TPRC(1)=DEXPRICE(SERSE);                                            SRX06570
           TPRC(2)=DEXPRICE(SRS1);                                             SRX06580
           TPRC(1) = TPRC(1) / 100;                                            SRX06590
           TPRC(2) = TPRC(2) / 100;                                            SRX06600
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            MARGIN=TPRC(1) - TPRC(2);                                          SRX06610
            IF SUBSTR(KEY,6,2) = '01' THEN DO;                                 SRX06620
            CALL HGBATCH(FUNC,RTC,HGCHAR,L30,HEADHG,L30);                      SRX06630
            PUT SKIP(2) EDIT(HHG1)(X(20),A(15));                               SRX06640
            PUT SKIP(0) EDIT(HHG2)(X(20),A(15));                               SRX06650
            PUT SKIP(1) EDIT(PUM,HHG3,KEY1,TPRC(2),TPRC(1),MARGIN)             SRX06660
                   (X(10),F(5),X(5),A(15),X(1),F(2),X(5),F(10,2),              SRX06670
                    X(5),F(10,2),X(5),F(10,2));                                SRX06680
            GO TO READ6RTN;                                                    SRX06690
            END;                                                               SRX06700
        ELSE                                                                   SRX06710
            PUT SKIP(2) EDIT(KEY1,TPRC(2),TPRC(1),MARGIN)                      SRX06720
                          (X(36),F(2),X(5),F(10,2),X(5),F(10,2),               SRX06730
                           X(5),F(10,2));                                      SRX06740
            GOTO       READ6RTN;                                               SRX06750
        LAST05RTN:                                                             SRX06760
            CLOSE FILE(ISAM);                                                  SRX06770
            END TB06RTN;                                                       SRX06780
  /*************************************************************************/  SRX06790
   TB07RTN:          PROCEDURE;                                                SRX06800
      DCL PRC71 FLOAT;                                                         SRX06810
      DCL PRC72 FLOAT;                                                         SRX06820
      DCL DEX71 FLOAT;                                                         SRX06830
      DCL DEX72 FLOAT;                                                         SRX06840
        HED = 11; PUT PAGE;                                                    SRX06850
      CALL HEADRTN;                                                            SRX06860
      HEADA1='TJDNF';  /* HAN-KUL */                                           SRX06870
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,HEADHG,L30);                            SRX06880
      PUT SKIP(2) EDIT(HHG1)(X(15),A(10));                                     SRX06890
      PUT SKIP(0) EDIT(HHG2)(X(15),A(10));                                     SRX06900
      PUT SKIP(1) EDIT(HHG3)(X(15),A(10));                                     SRX06910
 CALL HPUT2('OS',2,0,32,'     ZH  EM      VNA    AHR      RLDUEH',8,42,       SRX06920
  'RMA     TNS     WJS    TNS          EMDFKRDBF     RLDUEH') ;                SRX06930
            OPEN  FILE(ISAM)   DIRECT INPUT;                                   SRX06940
            DO I = 1 TO 2;                                                     SRX06950
              NOMI = NOMIKEY (I);                                              SRX06960
            ON KEY(ISAM) BEGIN;                                                SRX06970
            IF ONCODE=51 THEN PUT SKIP EDIT(NOMI)(X(5),F(7));                  SRX06980
            END;                                                               SRX06990
              READ FILE(ISAM) KEY(NOMI) INTO(ISAMREC);                         SRX07000
              TOTDEX1(I) = DEX (SRS1);                                         SRX07010
            END;                                                               SRX07020
            CLOSE  FILE(ISAM);                                                 SRX07030
            OPEN  FILE(ISAM) SEQUENTIAL  INPUT;                                SRX07040
            ON  ENDFILE(ISAM)  GOTO LAST07RTN;                                 SRX07050
                CITY = 01;                                                     SRX07060
                INDEX1= 1;                                                     SRX07070
        READ07RTN:                                                             SRX07080
            READ  FILE(ISAM)  INTO(ISAMREC);                                   SRX07090
            PRC71 = DEXPRICE(SERSE);                                           SRX07100
            PRC72 = DEXPRICE(SRS1);                                            SRX07110
            PRC71 = PRC71/100;                                                 SRX07120
            PRC72 = PRC72/100;                                                 SRX07130
            DEX71 =DEX(SERSE);                                                 SRX07140
            DEX72 = DEX(SRS1);                                                 SRX07150
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            DEX71 = DEX71 / 100;                                                SRX07160
            DEX72 = DEX72 /100;                                                 SRX07170
            D2=PUMWGT;  D2=D2/10;                                               SRX07180
            IF  SUBSTR(KEY,4,2) = '99' THEN GOTO READ07RTN;                     SRX07190
            IF  SUBSTR(KEY,4,2) = '88' THEN GOTO READ07RTN;                     SRX07200
            IF  KEY1 ¬= CITY  THEN GOTO READ07RTN;                              SRX07210
            MARGIN1 = PRC71 - PRC72;                                            SRX07220
            IF  MARGIN1 = 0 THEN  GOTO  READ07RTN;                              SRX07230
            D1 =(PRC71 / PRC72 -1)* 100;                                        SRX07240
            K1 = ((DEX71 - DEX72) *  PUMWGT)                                    SRX07250
                    / (TOTDEX1(INDEX1) * 10);                                   SRX07260
            CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HEADHG,L30);                      SRX07270
            PUT SKIP(2) EDIT(PUM,HHG1,D2,PRC71,                                 SRX07280
                PRC72,D1,K1)(X(5),F(5),X(5),A(10),X(2),F(5,1),                  SRX07290
                X(5),F(10,2),X(2),F(10,2),X(7),F(6,2),X(3),F(6,2));             SRX07300
            PUT SKIP(0) EDIT(HHG2)(X(15),A(10));                                SRX07310
            PUT SKIP(1) EDIT(HHG3)(X(15),A(10));                                SRX07320
            GO TO  READ07RTN;                                                   SRX07330
        LAST07RTN:                                                              SRX07340
            CLOSE  FILE(ISAM);                                                  SRX07350
            OPEN   FILE(ISAM)  SEQUENTIAL INPUT;                                SRX07360
            ON ENDFILE(ISAM)  GO TO CLOSERTN;                                   SRX07370
            PUT PAGE;                                                           SRX07380
            HEADA1 = 'WJSEHTL';                                                 SRX07390
            CALL HGBATCH(FUNC,RTC,HEADA1,L30,HEADHG,L30);                       SRX07400
            PUT SKIP(2) EDIT(HHG1)(X(15),A(10));                                SRX07410
            PUT SKIP(0) EDIT(HHG2)(X(15),A(10));                                SRX07420
            PUT SKIP(1) EDIT(HHG3)(X(15),A(10));                                SRX07430
            CITY = 99;                                                          SRX07440
            INDEX1 = 2;                                                         SRX07450
            GOTO READ07RTN;                                                     SRX07460
        CLOSERTN:                                                               SRX07470
            CLOSE  FILE(ISAM);                                                  SRX07480
            END  TB07RTN;                                                       SRX07490
    /*******************************************************************************/SRX07500
     TB09RTN:    PROCEDURE;                                                     SRX07510
            OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                                SRX07520
            ON  ENDFILE(ISAM)  GO TO LAST09RTN;                                 SRX07530
            I= 0;                                                               SRX07540
            SW = 0;                                                             SRX07550
            J = 1 ;                                                             SRX07560
            HED = 2;                                                            SRX07570
        READ9RTN:                                                               SRX07580
            READ     FILE(ISAM)  INTO(ISAMREC);                                 SRX07590
            IF SUBSTR(KEY,4,2) = '99' THEN GOTO CC;                             SRX07600
            IF SUBSTR(KEY,4,2) = '88' THEN GOTO CC;                             SRX07610
            GOTO READ9RTN;                                                      SRX07620
        CC:                                                                     SRX07630
            I = I + 1;                                                          SRX07640
            IF SW ¬= 1  THEN  GOTO  NEXT91;                                     SRX07650
            IF  PUM ¬= SAVEPUM  THEN DO;                                        SRX07660
                YCODTB (J) = SAVEPUM;                                           SRX07670
                YPUMHG (J) = SAVEHG;                                            SRX07680
            I = 1;                                                              SRX07690
                J = J + 1;                                                      SRX07700
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          END;                                                          SRX07710
       NEXT91:                                                          SRX07720
          TAB1(1,J,I)=DEX(SERSE);                                       SRX07730
          TAB1(2,J,I)=DEX(SRS1);                                        SRX07740
          TAB1(3,J,I)=DEX(SRS3);                                        SRX07750
          TAB1(4,J,I)=DEX(SRS4);                                        SRX07760
          TAB1(5,J,I)=PUMWGT;                                           SRX07770
          TAB1(1,J,I)=TAB1(1,J,I)/100;                                  SRX07780
          TAB1(2,J,I)=TAB1(2,J,I)/100;                                  SRX07790
          TAB1(3,J,I)=TAB1(3,J,I)/100;                                  SRX07800
          TAB1(4,J,I)=TAB1(4,J,I)/100;                                  SRX07810
          TAB1(5,J,I) = TAB1(5,J,I)  / 10;                              SRX07820
          SAVEPUM = PUM;                                                SRX07830
          SAVEHG = HGCHAR;                                              SRX07840
          SW = 1;                                                       SRX07850
          GOTO READ9RTN;                                                SRX07860
       LAST09RTN:                                                       SRX07870
          YCODTB (J) = SAVEPUM;                                         SRX07880
          YPUMHG (J) = SAVEHG;                                          SRX07890
          DO  I =  1  TO 10;                                            SRX07900
         CALL HEADRTN;                                                  SRX07910
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                       SRX07920
CALL HPUT1('OS',0,9,10,DOSINAME(I)) ;                                   SRX07930
PUT SKIP(2) EDIT('*----------','----------*','*---','---*','*----',    SRX07940
'---*') (X(28),A,X(11),A,X(6),A,X(15),A,X(5),A,X(10),A) ;               SRX07950
CALL HPUT3('OS',0,40,11,' WL       TN',22,15,' EMD    FKR     DBF',     SRX07960
14,10,' RL DU EH  ') ;                                                  SRX07970
CALL HPUT5('OS',2,2,4,'ZH  EM',3,4,'VNA  AHR',18,31,'RMA  DNJF  WJS DNJSRX07980
F  WJSSUSAKFDNJF WJSSUSEHDDNJF',5,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS',SRX07990
7,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS') ;                               SRX08000
          DO  K = 1 TO 45;                                              SRX08010
          IF TAB1(2,K,I)=0 THEN DO; D1=0; GOTO ND1; END;                SRX08020
             D1 = (TAB1 (1,K,I) / TAB1 (2,K,I) -1) * 100;               SRX08030
       ND1:                                                             SRX08040
          IF TAB1(3,K,I)=0 THEN DO; D2=0; GOTO ND2; END;                SRX08050
             D2 = (TAB1 (1,K,I) / TAB1 (3,K,I) -1) * 100;               SRX08060
       ND2:                                                             SRX08070
          IF TAB1(4,K,I)=0 THEN DO; D3=0; GOTO ND3; END;                SRX08080
             D3 = (TAB1 (1,K,I) / TAB1 (4,K,I) -1) * 100;               SRX08090
       ND3:                                                             SRX08100
          IF TAB1(2,45,I)=0 THEN DO; K1=0; GOTO ND4; END;               SRX08110
             K1 = ((TAB1 (1,K,I) - TAB1(2,K,I)) * TAB1 (5,K,I))         SRX08120
                        / (TAB1 (2,45,I) * 10);                         SRX08130
       ND4:                                                             SRX08140
          IF TAB1(3,45,I)=0 THEN DO; K2=0; GOTO ND5; END;               SRX08150
             K2 = ((TAB1 (1,K,I) - TAB1 (3,K,I)) * TAB1 (5,K,I))        SRX08160
                        / (TAB1 (3,45,I) * 10);                         SRX08170
       ND5:                                                             SRX08180
          IF TAB1(4,45,I)=0 THEN DO; K3=0; GOTO ND6; END;               SRX08190
             K3 = ((TAB1 (1,K,I) - TAB1 (4,K,I)) * TAB1 (5,K,I))        SRX08200
                        / (TAB1 (4,45,I) * 10);                         SRX08210
       ND6:                                                             SRX08220
           CALL HGBATCH (FUNC,RTC,YPUMHG (K),L30,HEADHG,L30);           SRX08230
         PUT SKIP(2) EDIT(YCODTB (K),HHG1,TAB1 (1,K,I),                 SRX08240
             TAB1 (2,K,I),TAB1 (3,K,I),TAB1 (4,K,I),D1,D2,              SRX08250
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                D3,K1,K2,K3)(X(2),F(5),X(2),A(20),X(2),F(6,2),          SRX08260
                X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(7),F(5,1),        SRX08270
                X(2),F(5,1),X(2),F(5,1),X(7),F(5,2),X(2),F(5,2),        SRX08280
                X(2),F(5,2));                                           SRX08290
            PUT SKIP(0) EDIT(HHG2)(X(9),A(20));                         SRX08300
            PUT SKIP(1) EDIT(HHG3)(X(9),A(20));                         SRX08310
            END;                                                        SRX08320
            PUT PAGE;                                                   SRX08330
        END;                                                            SRX08340
            CLOSE  FILE(ISAM);                                          SRX08350
            K = 1;                                                      SRX08360
        END TB09RTN;                                                    SRX08370
 /*************************************************************************/ SRX08380
 TB10RTN:       PROCEDURE;                                              SRX08390
            OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                        SRX08400
            ON  ENDFILE(ISAM)  GOTO LAST10RTN;                          SRX08410
            P=1;                                                        SRX08420
            HED = 3;  DOSI=1;                                           SRX08430
        READ10RTN:                                                      SRX08440
            READ     FILE(ISAM)   INTO(ISAMREC);                        SRX08450
            IF SUBSTR(KEY,6,2) = '01' THEN DO;                          SRX08460
            TAB2(1,P,1) = DEX (SERSE);                                  SRX08470
            TAB2(2,P,1) = DEX (SRS1);                                   SRX08480
            TAB2(3,P,1) = DEX (SRS3);                                   SRX08490
            TAB2(4,P,1) = DEX (SRS4);                                   SRX08500
            TAB2(5,P,1) = PUMWGT;                                       SRX08510
            TAB2(1,P,1) = TAB2(1,P,1) / 100;                            SRX08520
            TAB2(2,P,1) = TAB2(2,P,1) / 100;                            SRX08530
            TAB2(3,P,1) = TAB2(3,P,1) / 100;                            SRX08540
            TAB2(4,P,1) = TAB2(4,P,1) / 100;                            SRX08550
            TAB2(5,P,1) = TAB2(5,P,1) / 10;                             SRX08560
                GO TO READ10RTN;                                        SRX08570
                END;                                                    SRX08580
            IF SUBSTR(KEY,6,2) = '99' THEN DO;                          SRX08590
            TAB2(1,P,2) = DEX(SERSE);                                   SRX08600
            TAB2(2,P,2) = DEX(SRS1);                                    SRX08610
            TAB2(3,P,2) = DEX(SRS3);                                    SRX08620
            TAB2(4,P,2) = DEX(SRS4);                                    SRX08630
            TAB2(5,P,2) = PUMWGT;                                       SRX08640
            TAB2(1,P,2) = TAB2(1,P,2) / 100;                            SRX08650
            TAB2(2,P,2) = TAB2(2,P,2) / 100;                            SRX08660
            TAB2(3,P,2) = TAB2(3,P,2) / 100;                            SRX08670
            TAB2(4,P,2) = TAB2(4,P,2) / 100;                            SRX08680
            TAB2(5,P,2) = TAB2(5,P,2) / 10;                             SRX08690
                PUMCODE (P) = PUM;                                      SRX08700
                PCODEHG (P) = HGCHAR;                                   SRX08710
                P = P + 1;                                              SRX08720
                END;                                                    SRX08730
            GO TO READ10RTN;                                            SRX08740
        LAST10RTN:                                                      SRX08750
            DO  I = 1 TO 2;                                             SRX08760
          CALL HEADRTN;                                                 SRX08770
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                       SRX08780
CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                                SRX08790
PUT SKIP(2) EDIT('*----------','----------*','*----','----*','*-----',  SRX08800
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'----*') (X(28),A,X(11),A,X(6),A,X(15),A,X(5),A,X(10),A) ;                    SRX08810
CALL HPUT3('OS',0,40,11,' WL      TN',22,15,' EMD    FKR     DBF',           SRX08820
14,10,' RL DU EH  ') ;                                                        SRX08830
CALL HPUT5('OS',2,2,4,'ZH  EM',3,4,'VNA  AHR',18,31,'RMA  DNJF  WJS DNJSRX08840
F  WJSSUSAKFDNJF WJSSUSEHDDNJF',5,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS',SRX08850
7,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS') ;                                     SRX08860
            DO K = 1 TO 439;                                                  SRX08870
          IF TAB2(2,K,I)=0 THEN DO; D1=0; GOTO NE1; END;                      SRX08880
               D1 = (TAB2 (1,K,I) / TAB2 (2,K,I) -1) * 100;                   SRX08890
      NE1:                                                                    SRX08900
          IF TAB2(3,K,I)=0 THEN DO; D2=0; GOTO NE2; END;                      SRX08910
               D2 = (TAB2 (1,K,I) / TAB2 (3,K,I) - 1) * 100;                  SRX08920
      NE2:                                                                    SRX08930
          IF TAB2(4,K,I)=0 THEN DO; D3=0; GOTO NE3; END;                      SRX08940
               D3 = (TAB2 (1,K,I) / TAB2 (4,K,I) - 1) * 100;                  SRX08950
      NE3:                                                                    SRX08960
          IF TAB2(2,439,I)=0 THEN DO; K1=0; GOTO NE4; END;                    SRX08970
               K1 = ((TAB2 (1,K,I) - TAB2 (2,K,I)) * TAB2 (5,K,I))            SRX08980
          / (TAB2(2,439,I) * 10);   /* ORIGIANAL  */                        SRX08990
      NE4:                                                                    SRX09000
          IF TAB2(3,439,I)=0 THEN DO; K2=0; GOTO NE5; END;                    SRX09010
               K2 = ((TAB2 (1,K,I) - TAB2 (3,K,I)) * TAB2 (5,K,I))            SRX09020
                              / (TAB2 (3,439,I) * 10);                        SRX09030
      NE5:                                                                    SRX09040
          IF TAB2(4,439,I)=0 THEN DO; K3=0; GOTO NE6; END;                    SRX09050
               K3 = ((TAB2 (1,K,I) - TAB2 (4,K,I)) * TAB2 (5,K,I))            SRX09060
                              / (TAB2 (4,439,I) * 10);                        SRX09070
      NE6:                                                                    SRX09080
          CALL HGBATCH (FUNC,RTC,PCODEHG (K),L8,HEADHG,L8);                   SRX09090
          PUT SKIP(2) EDIT(PUMCODE (K),HHG1,TAB2 (1,K,I),                     SRX09100
              TAB2 (2,K,I),TAB2 (3,K,I),TAB2 (4,K,I),D1,D2,D3,                SRX09110
              K1,K2,K3)(X(2),F(5),X(2),A(15),X(2),F(6,2),X(2),                SRX09120
              F(6,2),X(2),F(6,2),X(2),F(6,2),X(5),F(6,2),X(2),                SRX09130
              F(6,2),X(2),F(6,2),X(5),F(6,2),X(2),F(6,2),X(2),                SRX09140
              F(6,2));                                                        SRX09150
          PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                                 SRX09160
          PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                                 SRX09170
          END;                                                                SRX09180
          PUT PAGE; DOSI=10;                                                  SRX09190
      END;                                                                    SRX09200
          CLOSE FILE(ISAM);                                                   SRX09210
          K = 1;                                                              SRX09220
        END TB10RTN;                                                          SRX09230
 /*************************************************************************/  SRX09240
TB11RTN:      PROCEDURE;                                                      SRX09250
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                               SRX09260
          ON ENDFILE(ISAM)   GOTO LAST11RTN;                                  SRX09270
          K = 0;      JYY=YY-1;                                               SRX09280
          HED = 4;    DOSI=1;                                                 SRX09290
      READ11RTN:                                                              SRX09300
          READ  FILE(ISAM) INTO(ISAMREC);                                     SRX09310
          IF SUBSTR(KEY,6,2) = '01' THEN GOTO BB;                             SRX09320
          IF SUBSTR(KEY,6,2) = '99' THEN GOTO BB;                             SRX09330
          GOTO READ11RTN;                                                     SRX09340
      BB:                                                                     SRX09350
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FILE: SRXWUT54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
            DO  I = 1 TO 21;                                                    SRX09360
            IF  PUM = PCOD4 (I) THEN  GO TO NEXT114;                            SRX09370
            END;                                                                SRX09380
            GOTO READ11RTN;                                                     SRX09390
        NEXT114:                                                                SRX09400
            IF SUBSTR(KEY,6,2) = '01' THEN DO;                                  SRX09410
            TAB4 (1,I,1) = DEX (SERSE);                                         SRX09420
            TAB4 (2,I,1) = DEX (SRS1) ;                                         SRX09430
            TAB4 (3,I,1) = DEX (SRS3) ;                                         SRX09440
            TAB4 (4,I,1) = DEX (SRS4) ;                                         SRX09450
            TAB4 (5,I,1) = PUMWGT     ;                                         SRX09460
            TAB4(1,I,1) = TAB4(1,I,1) / 100;                                    SRX09470
            TAB4(2,I,1) = TAB4(2,I,1) / 100;                                    SRX09480
            TAB4(3,I,1) = TAB4(3,I,1) / 100;                                    SRX09490
            TAB4(4,I,1) = TAB4(4,I,1) / 100;                                    SRX09500
            TAB4(5,I,1) = TAB4(5,I,1) / 10;                                     SRX09510
            TAB4 (1,I,3) = DEX (SERSE2);                                        SRX09520
            TAB4 (2,I,3) = DEX (SRSB1) ;                                        SRX09530
            TAB4 (3,I,3) = DEX (SRSB3) ;                                        SRX09540
            TAB4 (4,I,3) = DEX (SRSB4) ;                                        SRX09550
            TAB4(1,I,3) = TAB4(1,I,3) / 100;                                    SRX09560
            TAB4(2,I,3) = TAB4(2,I,3) / 100;                                    SRX09570
            TAB4(3,I,3) = TAB4(3,I,3) / 100;                                    SRX09580
            TAB4(4,I,3) = TAB4(4,I,3) / 100;                                    SRX09590
            HGTB4 (I) = HGCHAR;                                                 SRX09600
            GO TO READ11RTN;                                                    SRX09610
            END;                                                                SRX09620
        ELSE                                                                    SRX09630
            TAB4 (1,I,2) = DEX (SERSE);                                         SRX09640
            TAB4 (2,I,2) = DEX (SRS1) ;                                         SRX09650
            TAB4 (3,I,2) = DEX (SRS3) ;                                         SRX09660
            TAB4 (4,I,2) = DEX (SRS4) ;                                         SRX09670
            TAB4 (5,I,2) = PUMWGT;                                              SRX09680
            TAB4 (1,I,4) = DEX (SERSE2);                                        SRX09690
            TAB4 (2,I,4) = DEX (SRSB1);                                         SRX09700
            TAB4 (3,I,4) = DEX (SRSB3);                                         SRX09710
            TAB4 (4,I,4) = DEX (SRSB4);                                         SRX09720
            TAB4(1,I,2) = TAB4(1,I,2) / 100;                                    SRX09730
            TAB4(2,I,2) = TAB4(2,I,2) / 100;                                    SRX09740
            TAB4(3,I,2) = TAB4(3,I,2) / 100;                                    SRX09750
            TAB4(4,I,2) = TAB4(4,I,2) / 100;                                    SRX09760
            TAB4(5,I,2) = TAB4(5,I,2) / 10;                                     SRX09770
            TAB4(1,I,4) = TAB4(1,I,4) / 100;                                    SRX09780
            TAB4(2,I,4) = TAB4(2,I,4) / 100;                                    SRX09790
            TAB4(3,I,4) = TAB4(3,I,4) / 100;                                    SRX09800
            TAB4(4,I,4) = TAB4(4,I,4) / 100;                                    SRX09810
            GOTO READ11RTN;                                                     SRX09820
        LAST11RTN:                                                              SRX09830
            DO J = 1 TO 2;                                                      SRX09840
          CALL HEADRTN;                                                         SRX09850
  PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                             SRX09860
  CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                                      SRX09870
       PUT SKIP(2) EDIT('*------------------ ',YY,MM,' ------------------*',   SRX09880
       '*------------------ ',JYY,MM,' ------------------*')                     SRX09890
       (X(30),A,F(2),X(4),F(2),X(3),A,X(5),A,F(2),X(4),F(2),X(3),A) ;           SRX09900
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FILE: SRXWUT54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
     CALL HPUT4('OS',0,50,2,'SUS',4,2,'DNJF',43,2,'SUS',4,2,'DNJF') ;   SRX09910
 CALL HPUT3('OS',2,0,32,' ZH  EM     VNA  AHR              RKWNDCL ',    SRX09920
     1,42,'   ¬*¬ WL      TN ¬*¬         ¬*¬ EMD    FKR     DBF ¬*¬',     SRX09930
     6,42,'   ¬*¬ WL      TN ¬*¬         ¬*¬ EMD    FKR     DBF ¬*¬');    SRX09940
     CALL HPUT4('OS',2,33,13,'RMA  DNJF   WJS DNJF',1,35,               SRX09950
     '          QLWJSDNJF QLWJSSUSAKF QL1SUSWJS     ',1,13,             SRX09960
     'RMA  DNJF   WJS DNJF',1,35,                                       SRX09970
     '          QLWJSDNJF QLWJSSUSAKF QL1SUSWJS') ;                     SRX09980
          K = J + 2;                                                    SRX09990
            DO I = 1 TO 21;                                             SRX10000
          IF TAB4(2,I,J)=0 THEN DO; D1=0; GOTO NF1; END;                SRX10010
              D1 = (TAB4 (1,I,J) / TAB4 (2,I,J) - 1) * 100;             SRX10020
      NF1:                                                              SRX10030
          IF TAB4(3,I,J)=0 THEN DO; D2=0; GOTO NF2; END;                SRX10040
              D2 = (TAB4 (1,I,J) / TAB4 (3,I,J) - 1) * 100;             SRX10050
      NF2:                                                              SRX10060
          IF TAB4(4,I,J)=0 THEN DO; D3=0; GOTO NF3; END;                SRX10070
              D3 = (TAB4 (1,I,J) / TAB4 (4,I,J) - 1) * 100;             SRX10080
      NF3:                                                              SRX10090
          IF TAB4(2,I,K)=0 THEN DO; K1=0; GOTO NF4; END;                SRX10100
              K1 = (TAB4 (1,I,K) / TAB4 (2,I,K) - 1) * 100;             SRX10110
      NF4:                                                              SRX10120
          IF TAB4(3,I,K)=0 THEN DO; K2=0; GOTO NF5; END;                SRX10130
              K2 = (TAB4 (1,I,K) / TAB4 (3,I,K) - 1) * 100;             SRX10140
      NF5:                                                              SRX10150
          IF TAB4(4,I,K)=0 THEN DO; K3=0; GOTO NF6; END;                SRX10160
              K3 = (TAB4 (1,I,K) / TAB4 (4,I,K) - 1) * 100;             SRX10170
      NF6:                                                              SRX10180
          CALL HGBATCH (FUNC,RTC,HGTB4 (I),L30,HEADHG,L30);             SRX10190
          PUT SKIP(2) EDIT(PCOD4 (I),HHG1,TAB4 (5,I,J),TAB4 (1,I,J),    SRX10200
                      TAB4 (2,I,J),D1,D2,D3,TAB4 (1,I,K),TAB4 (2,I,K),  SRX10210
                      K1,K2,K3)(X(2),F(5),X(2),A(15),X(2),F(6,1),X(3),  SRX10220
                      F(5,1),X(2),F(5,1),X(2),F(5,1),X(2),F(5,1),X(2),  SRX10230
        F(5,1),X(10),F(5,1),X(2),F(5,1),X(2),F(5,2),X(2)                SRX10240
                           ,F(5,2),X(2),F(5,2));                        SRX10250
          PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                           SRX10260
          PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                           SRX10270
          END;                                                          SRX10280
          PUT PAGE;   DOSI=10;                                          SRX10290
      END;                                                              SRX10300
          CLOSE  FILE(ISAM);                                            SRX10310
      END  TB11RTN;                                                     SRX10320
 /*********************************************************************/SRX10330
TB12RTN:      PROCEDURE;                                                SRX10340
      DCL TAB12  (5,100,10)  FLOAT;                                     SRX10350
      DCL PUM12  (100)        PIC '(5)9';                               SRX10360
      DCL HGP12  (100)       CHAR(25);   DCL SRJAV PIC '999';          SRX10370
      DCL SR5 PIC '999'; DCL SR15 PIC '999'; DCL SR25 PIC '999';        SRX10380
 DCL COD12 (100) PIC '(5)9' INIT(10101,10102,10104,10105,10106,10107    SRX10390
     ,10111,10201,10202,10203,10301,10302,10303,10304,10309,10402,      SRX10400
      10403,10404,10405,10501,10502,10503,10601,10602,10604,10605,      SRX10410
      10606,10607,10609,10614,10701,10702,10801,10802,10803,10805,      SRX10420
      10806,10807,10808,10810,10811,10812,10901,10902,10907,11001,      SRX10430
 11003,11004,11010,11101,11102,11112,11202,11206,11301,11302,11401,     SRX10440
      11405,20205,20210,20323,20401,20403,20404,20414,20501,20601,      SRX10450
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FILE: SRXWUT54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

       30201,30202,30204,40101,40102,40103,40104,40109,40111,          SRX10460
       40119,40121,40304,40305,40417,40419,50101,50102,50103,50104,    SRX10470
       50115,50116,50117,50201,50202,50203,50205,50207,50211,          SRX10480
       50213,50219,50512,50513,50716);                                 SRX10490
       DCL L   PIC '99';                                               SRX10500
       DCL M   PIC '99';                                               SRX10510
       DCL N   PIC '99';                                               SRX10520
       DCL SCOD  (5) CHAR(6) INIT('J-AV','K-AV','5-DAY','15-DAY',      SRX10530
                                  '25-DAY');                           SRX10540
           HED = 5;                                                    SRX10550
           CALL HEADRTN;                                               SRX10560
 CALL HPUT6('OS',2,1,37,'ZH  EM   VNA  AHR                        ',   SRX10570
                        0,16,'TJ  DNF   QN  TKS   ',                   SRX10580
                        0,16,'EO  RN   DLS CJS   ',                    SRX10590
                        0,16,'EO WJS   RHKD  WN   ',                   SRX10600
                        0,16,'WJS  WN   CNS  CJS   ',                  SRX10610
                        0,5,'CJD  WN') ;                               SRX10620
           OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                       SRX10630
           ON  ENDFILE(ISAM)  GOTO LAST12RTN;                          SRX10640
           IF MM = 01 THEN DO;                                         SRX10650
           IF SN= 1 THEN DO;                                           SRX10660
           SRJAV=SERSE-2;                                              SRX10670
           SR5=SERSE-4;                                                SRX10680
           SR15=SERSE-3;                                               SRX10690
           SR25=SERSE;                                                 SRX10700
           END;                                                        SRX10710
      ELSE IF SN=2 THEN DO;                                            SRX10720
           SRJAV=SERSE-3;                                              SRX10730
           SR5=SERSE-4;                                                SRX10740
           SR15=SERSE-1;                                               SRX10750
           SR25=SERSE;   END;                                          SRX10760
     ELSE IF SN=3 THEN DO;                                             SRX10770
           SRJAV=SERSE-4;                                              SRX10780
           SR5=SERSE-2;                                                SRX10790
           SR15=SERSE-1;                                               SRX10800
           SR25=SERSE;   END;                                          SRX10810
     ELSE IF SN=4 THEN DO;                                             SRX10820
           SRJAV=SERSE-5;                                              SRX10830
           SR5=SERSE-3;                                                SRX10840
           SR15=SERSE-2;                                               SRX10850
           SR25=SERSE-1;                                               SRX10860
           END;                                                        SRX10870
           END;                                                        SRX10880
     ELSE DO;                                                          SRX10890
           IF SN=1 THEN DO;                                            SRX10900
           SRJAV=SERSE-1;                                              SRX10910
           SR5=SERSE-3;                                                SRX10920
           SR15=SERSE-2;                                               SRX10930
           SR25=SERSE;  END;                                           SRX10940
      ELSE IF SN=2 THEN DO;                                            SRX10950
           SRJAV=SERSE-2;                                              SRX10960
           SR5=SERSE-3;                                                SRX10970
           SR15=SERSE-1;                                               SRX10980
           SR25=SERSE;  END;                                           SRX10990
     ELSE  IF SN=3 THEN DO;                                            SRX11000
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          SRJAV=SERSE-3;                                                    SRX11010
          SR5=SERSE-2;                                                      SRX11020
          SR15=SERSE-1;                                                     SRX11030
          SR25=SERSE;  END;                                                 SRX11040
       ELSE IF SN=4 THEN DO;                                                SRX11050
          SRJAV=SERSE-4;                                                    SRX11060
          SR5=SERSE-3;                                                      SRX11070
          SR15=SERSE-2;                                                     SRX11080
          SR25=SERSE-1;                                                     SRX11090
          END;                                                              SRX11100
        END;                                                                SRX11110
        READ12RTN:                                                          SRX11120
          READ   FILE(ISAM)  INTO(ISAMREC);                                 SRX11130
          DO  I = 1 TO 100;                                                 SRX11140
          IF  PUM = COD12 (I)  THEN  GOTO NEXT121;                          SRX11150
          END;                                                              SRX11160
          GOTO READ12RTN;                                                   SRX11170
        NEXT121:                                                            SRX11180
          TAB12 (1,I,1) = DEXPRICE (SRJAV);                                 SRX11190
          TAB12 (2,I,1) = DEXPRICE (SERSE);                                 SRX11200
          TAB12 (3,I,1) = DEXPRICE (SR5);                                   SRX11210
          TAB12 (4,I,1) = DEXPRICE (SR15);                                  SRX11220
          TAB12 (5,I,1) = DEXPRICE (SR25);                                  SRX11230
          TAB12(1,I,1) = TAB12(1,I,1) / 100;                                SRX11240
          TAB12(2,I,1) = TAB12(2,I,1) / 100;                                SRX11250
          TAB12(3,I,1) = TAB12(3,I,1) / 100;                                SRX11260
          TAB12(4,I,1) = TAB12(4,I,1) / 100;                                SRX11270
          TAB12(5,I,1) = TAB12(5,I,1) / 100;                                SRX11280
          PUM12 (I) = PUM;                                                  SRX11290
          HGP12 (I) = HGCHAR;                                               SRX11300
          DO L = 1 TO 9;                                                    SRX11310
            N = L + 1;                                                      SRX11320
          READ  FILE(ISAM)   INTO(ISAMREC);                                 SRX11330
          TAB12 (1,I,N) = DEXPRICE (SRJAV);                                 SRX11340
          TAB12 (2,I,N) = DEXPRICE (SERSE);                                 SRX11350
          TAB12 (3,I,N) = DEXPRICE (SR5) ;                                  SRX11360
          TAB12 (4,I,N) = DEXPRICE (SR15);                                  SRX11370
          TAB12 (5,I,N) = DEXPRICE (SR25);                                  SRX11380
          TAB12(1,I,N) = TAB12(1,I,N) / 100;                                SRX11390
          TAB12(2,I,N) = TAB12(2,I,N) / 100;                                SRX11400
          TAB12(3,I,N) = TAB12(3,I,N) / 100;                                SRX11410
          TAB12(4,I,N) = TAB12(4,I,N) / 100;                                SRX11420
          TAB12(5,I,N) = TAB12(5,I,N) / 100;                                SRX11430
          END;                                                              SRX11440
          GOTO READ12RTN;                                                   SRX11450
        LAST12RTN:                                                          SRX11460
          IF SN ^= 4 THEN DO;                                               SRX11470
           TAB12(2,*,*)=0;                                                  SRX11480
          END;                                                              SRX11490
          DCL  RICE(6,45)  CHAR(8)    INIT                                  SRX11500
       ('   7 033','   7 167','   7 000','   7 000','   6 800',             SRX11510
        '   6 867','   6 983','   6 500','   6 800',                        SRX11520
        '   7 056','   7 250','   7 000','   7 067','   6 833',             SRX11530
        '   6 958','   7 000','   6 500','   6 800',                        SRX11540
        '   7 033','   7 250','   7 000','   7 000','   6 800',             SRX11550
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'   6 950','   7 000','   6 500','   6 800',                    SRX11560
'   7 067','   7 250','   7 000','   7 100','   6 800',        SRX11570
'   6 950','   7 000','   6 500','   6 800',                    SRX11580
'   7 067','   7 250','   7 000','   7 100','   6 900',        SRX11590
'   6 975','   7 000','   6 500','   6 800',                    SRX11600
     /***********  10  **********/                              SRX11610
'   6 187','   6 000','   6 000','   6 000','   6 000',        SRX11620
'   5 950','   6 000','   6 000','   6 000',                    SRX11630
'   6 260','   6 000','   6 000','   6 000','   6 000',        SRX11640
'   5 950','   6 000','   6 000','   6 000',                    SRX11650
'   6 220','   6 000','   6 000','   6 000','   6 000',        SRX11660
'   5 950','   6 000','   6 000','   6 000',                    SRX11670
'   6 280','   6 000','   6 000','   6 000','   6 000',        SRX11680
'   5 950','   6 000','   6 000','   6 000',                    SRX11690
'   6 280','   6 000','   6 000','   6 000','   6 000',        SRX11700
'   5 950','   6 000','   6 000','   6 000',                    SRX11710
     /***********  20  **********/                              SRX11720
'   5 598','   5 598','   5 598','   5 598','   5 598',        SRX11730
'   5 598','   5 598','   5 598','   5 598',                    SRX11740
'   5 598','   5 598','   5 598','   5 598','   5 598',        SRX11750
'   5 598','   5 598','   5 598','   5 598',                    SRX11760
'   5 598','   5 598','   5 598','   5 598','   5 598',        SRX11770
'   5 598','   5 598','   5 598','   5 598',                    SRX11780
'   5 598','   5 598','   5 598','   5 598','   5 598',        SRX11790
'   5 598','   5 598','   5 598','   5 598',                    SRX11800
'   5 598','   5 598','   5 598','   5 598','   5 598',        SRX11810
'   5 598','   5 598','   5 598','   5 598',                    SRX11820
     /***********  30  **********/                              SRX11830
'   4 670','   4 670','   4 670','   4 670','   4 670',        SRX11840
'   4 670','   4 670','   4 670','   4 670',                    SRX11850
'   4 670','   4 670','   4 670','   4 670','   4 670',        SRX11860
'   4 670','   4 670','   4 670','   4 670',                    SRX11870
'   4 670','   4 670','   4 670','   4 670','   4 670',        SRX11880
'   4 670','   4 670','   4 670','   4 670',                    SRX11890
'   4 670','   4 670','   4 670','   4 670','   4 670',        SRX11900
'   4 670','   4 670','   4 670','   4 670',                    SRX11910
'   4 670','   4 670','   4 670','   4 670','   4 670',        SRX11920
'   4 670','   4 670','   4 670','   4 670',                    SRX11930
     /***********  40  **********/                              SRX11940
'   4 848','   5 200','   5 400','   5 000','   4 800',        SRX11950
'   4 800','   4 800','   4 800','   4 500',                    SRX11960
'   4 848','   5 200','   5 378','   5 000','   4 800',        SRX11970
'   4 800','   4 800','   4 800','   4 500',                    SRX11980
'   4 848','   5 200','   5 400','   5 000','   4 800',        SRX11990
'   4 800','   4 800','   4 800','   4 500',                    SRX12000
'   4 848','   5 200','   5 367','   5 000','   4 800',        SRX12010
'   4 800','   4 800','   4 800','   4 500',                    SRX12020
'   4 848','   5 200','   5 367','   5 000','   4 800',        SRX12030
'   4 800','   4 800','   4 800','   4 500',                    SRX12040
     /***********  50  **********/                              SRX12050
'   2 900','   2 900','   2 900','   2 900','   2 900',        SRX12060
'   2 900','   2 900','   2 900','   2 900',                    SRX12070
'   3 200','   3 200','   3 200','   3 200','   3 200',        SRX12080
'   3 200','   3 200','   3 200','   3 200',                    SRX12090
'   3 200','   3 200','   3 200','   3 200','   3 200',        SRX12100
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       '   3 200','   3 200','   3 200','   3 200',                          SRX12110
       '   3 200','   3 200','   3 200','   3 200','   3 200',              SRX12120
       '   3 200','   3 200','   3 200','   3 200',                          SRX12130
       '   3 200','   3 200','   3 200','   3 200','   3 200',              SRX12140
       '   3 200','   3 200','   3 200','   3 200') ;                       SRX12150
           K = 1 ;     CALL  DOL ;                                          SRX12160
           K = 2 ;     CALL  DOL ;                                          SRX12170
           K = 3 ;     CALL  DOL ;                                          SRX12180
           K = 4 ;     CALL  DOL ;                                          SRX12190
           K = 5 ;     CALL  DOL ;                                          SRX12200
           K = 6 ;     CALL  DOL ;                                          SRX12210
 DOL :     PROC ;                                                          SRX12220
           PUT SKIP(4) EDIT((RICE(K,M) DO M =  1 TO 9))                    SRX12230
                       (X(35),9 A(8)) ;                                    SRX12240
           PUT SKIP(3) EDIT((RICE(K,M) DO M = 10 TO 18))                   SRX12250
                       (X(35),9 A(8));                                     SRX12260
           PUT SKIP(2) EDIT((RICE(K,M) DO M = 19 TO 27))                   SRX12270
                       (X(35),9 A(8)) ;                                    SRX12280
           PUT SKIP(1) EDIT((RICE(K,M) DO M = 28 TO 36))                   SRX12290
                       (X(35),9 A(8)) ;                                    SRX12300
           PUT SKIP(1) EDIT((RICE(K,M) DO M = 37 TO 45))                   SRX12310
                       (X(35),9 A(8)) ;                                    SRX12320
           END  DOL ;                                                      SRX12330
         DCL HYPHEN  CHAR(8)  INIT ('       -') ;                         SRX12340
         DCL TABL12  (5,100,10)  PIC 'BZZZBZZ9' ;                         SRX12350
         DCL PR      (5,100,10)  CHAR (8) ;                               SRX12360
         DCL SS                  PIC '9'  INIT (0) ;                      SRX12370
         I = 1 ;                                                          SRX12380
 SEARCH :                                                                 SRX12390
     IF I > 100 THEN GOTO FINISH ;                                        SRX12400
/******  CALL  DOL ;*************/                                         SRX12410
     IF PUM12(I) = 10902 | PUM12(I) = 11101 | PUM12(I) = 11206           SRX12420
                                          THEN  CALL  DOL_C ;             SRX12430
     ELSE  DO ;                                                           SRX12440
        TAB12(*,I,*)     =  TAB12(*,I,*) + 0.5 ;                         SRX12450
        TABL12(*,I,*)  =  TAB12(*,I,*) ;                                 SRX12460
        PR   (*,I,*)     =  TABL12(*,I,*) ;                              SRX12470
        CALL  DOL_B ;                                                    SRX12480
        CALL  DOL_A ;                                                    SRX12490
     END ;                                                               SRX12500
     I = I + 1 ;                                                         SRX12510
     GOTO  SEARCH ;                                                      SRX12520
/*************************************  DOL  :  PROC ;                   SRX12530
    DO J = 1 TO 5 ;                                                      SRX12540
      DO K = I TO 9 ;                                                    SRX12550
    IF TAB12(J,I,K) < 100 THEN SS = 1 ;                                  SRX12560
     END ;   END  ;   END  DOL  ;  ********************************/     SRX12570
  DOL_B:  PROC ;                                                         SRX12580
    DO J = 1 TO 5 ;                                                      SRX12590
      DO K = I TO 9 ;                                                    SRX12600
    IF TAB12(J,I,K) < 1 THEN PR(J,I,K) = HYPHEN ;                        SRX12610
     END ;   END  ;   END  DOL_B  ;                                      SRX12620
  DOL_A : PROC ;                                                         SRX12630
  CALL HGBATCH (FUNC,RTC,HGP12(I),L30,HEADHG,L30) ;                      SRX12640
    PUT SKIP(4) EDIT(PUM12(I),HHG1,SCOD(1),(PR(1,I,L) DO L=1 TO 9))      SRX12650
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                    (X(2),F(5),X(2),A(15),A(6),X(5),9 A(8)) ;          SRX12660
    PUT SKIP(0) EDIT(HHG2)  (X(9),A(15)) ;                             SRX12670
    PUT SKIP(1) EDIT(HHG3)  (X(9),A(15)) ;                             SRX12680
    PUT SKIP(2) EDIT(SCOD(2),(PR(2,I,L) DO L=1 TO 9))                  SRX12690
                    (X(24),A(6),X(5),9 A(8)) ;                         SRX12700
    PUT SKIP(2) EDIT(SCOD(3),(PR(3,I,L) DO L=1 TO 9))                  SRX12710
                    (X(24),A(6),X(5),9 A(8)) ;                         SRX12720
    DO  M = 4  TO 5 ;                                                  SRX12730
    PUT SKIP(1) EDIT(SCOD(M),(PR(M,I,L) DO L=1 TO 9))                  SRX12740
                    (X(24),A(6),X(5),9 A(8)) ;                         SRX12750
                  END ;  END  DOL_A ;                                  SRX12760
  DOL_C : PROC ;                                                       SRX12770
  CALL HGBATCH (FUNC,RTC,HGP12(I),L30,HEADHG,L30) ;                    SRX12780
    PUT SKIP(4) EDIT(PUM12(I),HHG1,SCOD(1),(TAB12(1,I,L) DO L=1 TO 9)) SRX12790
                    (X(2),F(5),X(2),A(15),A(6),X(5),9 F(8,2)) ;        SRX12800
    PUT SKIP(0) EDIT(HHG2)  (X(9),A(15)) ;                             SRX12810
    PUT SKIP(1) EDIT(HHG3)  (X(9),A(15)) ;                             SRX12820
    PUT SKIP(2) EDIT(SCOD(2),(TAB12(2,I,L) DO L=1 TO 9))               SRX12830
                    (X(24),A(6),X(5),9 F(8,2)) ;                       SRX12840
    PUT SKIP(2) EDIT(SCOD(3),(TAB12(3,I,L) DO L=1 TO 9))               SRX12850
                    (X(24),A(6),X(5),9 F(8,2)) ;                       SRX12860
    DO  M = 4  TO 5 ;                                                  SRX12870
    PUT SKIP(1) EDIT(SCOD(M),(TAB12(M,I,L) DO L=1 TO 9))               SRX12880
                    (X(24),A(6),X(5),9 F(8,2)) ;                       SRX12890
                  END ;  END  DOL_C ;                                  SRX12900
 FINISH : CLOSE FILE(ISAM);                                            SRX12910
     END  TB12RTN;                                                     SRX12920
TB13RTN:      PROCEDURE;                                               SRX12930
         OPEN FILE(ISAM)    SEQUENTIAL INPUT;                         SRX12940
         ON ENDFILE(ISAM)   GO TO LAST13RTN;                          SRX12950
      DCL  MN1 PIC '999',                                             SRX12960
           MN2  PIC '999',                                            SRX12970
           MN3 PIC '999';                                             SRX12980
           SW = 0;                                                    SRX12990
           MN1 = SERSE - 3;                                           SRX13000
           MN2 = SERSE - 2;                                           SRX13010
           MN3 = SERSE - 1;                                           SRX13020
      DCL  S13PUM   PIC '(5)9';                                       SRX13030
        HED = 7;                                                      SRX13040
         CALL  HEADRTN;                                               SRX13050
CALL HPUT2('OS',3,0,44,                                               SRX13060
'     ZH  EM     EH TL     CH    TNS          WND    TNS',0,30,       SRX13070
'         GK   TNS        VUD    RBS') ;                             SRX13080
      READ13RTN:                                                      SRX13090
         READ  FILE(ISAM)   INTO(ISAMREC);                            SRX13100
         IF SUBSTR(KEY,4,2) = '99' THEN GOTO READ13RTN;               SRX13110
         IF SUBSTR(KEY,4,2) = '88' THEN GOTO READ13RTN;               SRX13120
         D1=DEXPRICE(MN1)/100;                                        SRX13130
         D2=DEXPRICE(MN2)/100;                                        SRX13140
         D3=DEXPRICE(MN3)/100;                                        SRX13150
         D4=DEXPRICE(SERSE)/100;                                      SRX13160
         IF SW = 0 THEN  GOTO NEXT132;                                SRX13170
         IF  PUM ¬= S13PUM THEN  GO TO NEXT132;                       SRX13180
      NEXT131:                                                        SRX13190
         PUT SKIP(2) EDIT(SUBSTR(KEY,6,2),D1,                         SRX13200
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            D2,D3,D4)                                                          SRX13210
            (X(13),A(2),X(5),F(10,2),X(5),F(10,2),X(5),F(10,2),                SRX13220
        X(5),F(10,2));                                                         SRX13230
        S13PUM = PUM;                                                          SRX13240
        SW = 1;                                                                SRX13250
        GOTO READ13RTN;                                                        SRX13260
    NEXT132:                                                                   SRX13270
        PUT SKIP(3) EDIT(PUM,SUBSTR(KEY,6,2),D1,                               SRX13280
            D2,D3,D4)                                                          SRX13290
            (X(5),F(5),X(3),A(2),X(5),F(10,2),X(5),F(10,2),                    SRX13300
            X(5),F(10,2),X(5),F(10,2));                                        SRX13310
        S13PUM=PUM;                                                            SRX13320
        SW=1;                                                                  SRX13330
        GOTO READ13RTN;                                                        SRX13340
    LAST13RTN:                                                                 SRX13350
        CLOSE   FILE(ISAM);                                                    SRX13360
    END TB13RTN;                                                               SRX13370
/*************************************************************************/    SRX13380
UPTRTN:      PROCEDURE;                                                        SRX13390
    DCL 1  TREC,                                                               SRX13400
         2 TID        PIC  '9'       ,                                         SRX13410
         2 TYY        PIC  '99'      ,                                         SRX13420
         2 TMM        PIC  '99'      ,                                         SRX13430
         2 TSN        PIC  '9'       ,                                         SRX13440
         2 TKEY       PIC  '(7)9'    ,                                         SRX13450
         2 F1         CHAR(7)        ,                                         SRX13460
         2 TMPRI      CHAR(10)       ,                                         SRX13470
         2 TDPRI      CHAR(10)       ,                                         SRX13480
         2 TSPRI      CHAR(10)       ,                                         SRX13490
         2 F2  CHAR(30)    ;                                                   SRX13500
    DCL MPRICE  PIC '(10)9';                                                   SRX13510
    DCL DPRICE  PIC '(10)9';                                                   SRX13520
    DCL SPRICE  PIC '(10)9';                                                   SRX13530
    DCL YTAB  (2,4,9) FLOAT BIN(53) INIT((72)0);                               SRX13540
    DCL JDOTAB   (2)  FLOAT BIN(53) INIT(0,0);                                 SRX13550
    DCL DWGTTB   FLOAT BIN(53) INIT(0);                                        SRX13560
    DCL SKEY          PIC '(7)9';                                              SRX13570
    DCL SPRIC    FLOAT BIN(53) INIT(0);                                        SRX13580
    DCL DPR      FLOAT BIN(53) INIT(0);                                        SRX13590
    DCL DDX      FLOAT BIN(53) INIT(0);                                        SRX13600
    DCL GISU  FLOAT,                                                           SRX13610
        GISUPRICE FLOAT,                                                       SRX13620
        KIZUNPRICE FLOAT,                                                      SRX13630
        DDDWGT FLOAT,                                                          SRX13640
        PPPWGT FLOAT;                                                          SRX13650
    DCL DDXX PIC '(6)9V99'; DCL  DDXC CHAR(6);                                 SRX13660
    DCL MKPR  FLOAT; DCL MKPR1 FLOAT;                                          SRX13670
    DCL MKPR2 FLOAT; DCL MKPR3 FLOAT;                                          SRX13680
    DCL DIPR1 FLOAT; DCL DIPR2 FLOAT;                                          SRX13690
    DCL DIPR3 FLOAT; DCL DES1  FLOAT;                                          SRX13700
    DCL DES2  FLOAT; DCL DES3  FLOAT;                                          SRX13710
    DCL YCOD  (37)  PIC '(5)9' INIT(10199,10299,10399,10499,10599,             SRX13720
              10699,10799,10899,10999,11099,11199,11299,11399,                 SRX13730
              11499,20199,20299,20399,20499,20599,20699,30199,                 SRX13740
              30299,30399,40199,40299,40399,40499,40599,50199,                 SRX13750
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                50299,50399,50499,50599,50699,50799,50899,50999);    SRX13760
    DCL BCOD  (5)  PIC '(5)9' INIT(19999,29999,39999,49999,59999);   SRX13770
    DCL KTAB1 (3,10)  FLOAT BIN(53) INIT((30)0);                     SRX13780
    DCL KTAB2 (10)    FLOAT BIN(53) INIT((10)0);                     SRX13790
    DCL T1_DEX        FLOAT BIN(53) INIT(0);                         SRX13800
    DCL TABU1   (2,394,9)  FLOAT BIN(53) INIT((7092)0);              SRX13810
    DCL UPCODH (394)  CHAR(25);                                      SRX13820
    DCL UPCOD  (394)  PIC '(5)9';                                    SRX13830
    DCL ASW PIC '9' INIT(0);                                         SRX13840
  /*****************************************************************/ SRX13850
        OPEN FILE(ISAM)  DIRECT  UPDATE;                             SRX13860
        ON  ENDFILE(CARD)       GOTO TLAST1;                         SRX13870
    RDTAPE:                                                          SRX13880
        READ  FILE(CARD)    INTO(TREC);                              SRX13890
        L=INDEX(TMPRI,' ');                                          SRX13900
        IF L = 0 THEN  MPRICE= TMPRI;                                SRX13910
                 ELSE MPRICE = SUBSTR(TMPRI,1,L-1);                  SRX13920
        L=INDEX(TDPRI,' ');                                          SRX13930
        IF L = 0 THEN  DPRICE = TDPRI;                               SRX13940
                 ELSE  DPRICE = SUBSTR(TDPRI,1,L-1);                 SRX13950
        L=INDEX(TSPRI,' ');                                          SRX13960
        IF L = 0 THEN  SPRICE = TSPRI;                               SRX13970
                 ELSE  SPRICE = SUBSTR(TSPRI,1,L-1);                 SRX13980
        SKEY = TKEY;                                                 SRX13990
        ON KEY(ISAM) BEGIN;                                          SRX14000
        IF ONCODE = 51 THEN SW = 4;                                  SRX14010
        END;                                                         SRX14020
        IF SW = 4 THEN DO;  SW=0; GOTO RDTAPE;  END;                 SRX14030
        READ     FILE(ISAM) INTO(ISAMREC) KEY(SKEY) ;                SRX14040
        IF  MPRICE  ¬= 0  THEN DO;                                   SRX14050
        MAKPRICE (SERSE) = MPRICE;                                   SRX14060
        END;                                                         SRX14070
        IF  DPRICE  ¬= 0  THEN DO;                                   SRX14080
        DEXPRICE (SERSE) = DPRICE;                                   SRX14090
        END;                                                         SRX14100
        IF  SPRICE  ¬= 0  THEN DO;                                   SRX14110
        STDPRICE (SERSE) = SPRICE;                                   SRX14120
        END;                                                         SRX14130
        IF TID = 1  THEN GOTO NEXTUP1;                               SRX14140
        GISUPRICE=DEXPRICE(SERSE);  KIZUNPRICE=STDPRICE(SERSE);      SRX14150
        IF KIZUNPRICE=0 THEN DO; DEX(SERSE)=0; GOTO NEXTUP1; END;    SRX14160
        DEX (SERSE) =GISUPRICE / KIZUNPRICE * 10000 + 0.501;         SRX14170
    NEXTUP1:                                                         SRX14180
        REWRITE  FILE(ISAM)  KEY(SKEY)    FROM(ISAMREC);             SRX14190
        PUT SKIP(2) EDIT(KEY,MAKPRICE(SERSE),DEXPRICE(SERSE),        SRX14200
      STDPRICE(SERSE))(X(5),A(7),X(3),F(10),X(3),F(10),X(3),F(10));  SRX14210
        GOTO RDTAPE;                                                 SRX14220
    TLAST1:                                                          SRX14230
        IF TID ¬= 1   THEN GOTO TLAST3;                              SRX14240
        CLOSE  FILE(ISAM);                                           SRX14250
        OPEN FILE(ISAM)    SEQUENTIAL UPDATE;                        SRX14260
        ON ENDFILE(ISAM)  GOTO TLAST3;                               SRX14270
    RDIS1:                                                           SRX14280
        READ  FILE(ISAM)   INTO(ISAMREC);                            SRX14290
        IF STDPRICE (SERSE) = 0  THEN  DO;                           SRX14300
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          STDPRICE (SERSE) = STDPRICE (SRS1);                                SRX14310
          END;                                                               SRX14320
          IF MAKPRICE (SERSE) = 0  THEN DO;                                  SRX14330
          MAKPRICE (SERSE) = MAKPRICE (SRS1);                                SRX14340
          END;                                                               SRX14350
          IF DEXPRICE (SERSE) = 0  THEN DO;                                  SRX14360
          DEXPRICE (SERSE) = DEXPRICE (SRS1);                                SRX14370
          END;                                                               SRX14380
          GISUPRICE = DEXPRICE(SERSE);                                       SRX14390
          KIZUNPRICE = STDPRICE(SERSE);                                      SRX14400
          IF KIZUNPRICE=0 THEN DO; DEX(SERSE)=0; GOTO CHECK2; END;           SRX14410
          DEX (SERSE) =GISUPRICE / KIZUNPRICE * 10000 + 0.501;               SRX14420
    CHECK2:  REWRITE  FILE(ISAM)  FROM(ISAMREC);                             SRX14430
          GOTO RDIS1;                                                        SRX14440
       TLAST2:                                                               SRX14450
          CLOSE   FILE(ISAM);                                                SRX14460
          IF  TSN = 3  THEN DO;                                              SRX14470
          OPEN  FILE(ISAM)   SEQUENTIAL  UPDATE;                             SRX14480
          ON ENDFILE(ISAM)   GOTO TLAST4;                                    SRX14490
       RDIS2:                                                                SRX14500
          READ  FILE(ISAM)   INTO(ISAMREC);                                  SRX14510
          MKPR1=MAKPRICE(SERSE-2); MKPR2=MAKPRICE(SERSE-1);                  SRX14520
          MKPR3=MAKPRICE(SERSE);  DIPR1=DEXPRICE(SERSE-2);                   SRX14530
          DIPR2=DEXPRICE(SERSE-1); DIPR3=DEXPRICE(SERSE);                    SRX14540
          DES1=DEX(SERSE-2); DES2=DEX(SERSE-1);                              SRX14550
          DES3=DEX(SERSE);                                                   SRX14560
          MKPR=(MKPR1+MKPR2+MKPR3)/3+0.501;                                  SRX14570
          STDPRICE (SERSE + 1) = STDPRICE (SERSE);                           SRX14580
          GISUPRICE=(DIPR1+DIPR2+DIPR3) / 3+0.501;                           SRX14590
          IF SUBSTR(KEY,4,2)=99 |SUBSTR(KEY,4,2)=88 THEN DO;                 SRX14600
          DDXX=(DES1+DES2+DES3)/3+5.01;                                      SRX14610
          DDXC=DDXX;  SUBSTR(DDXC,6,1)='0'; GISU=DDXC; END;                  SRX14620
          ELSE GISU=(DES1+DES2+DES3)/3+0.501;                                SRX14630
          MAKPRICE(SERSE+1)=MKPR;                                            SRX14640
          DEXPRICE(SERSE+1)=GISUPRICE;                                       SRX14650
          DEX(SERSE+1)=GISU;                                                 SRX14660
          REWRITE FILE(ISAM) FROM(ISAMREC);                                  SRX14670
          GOTO RDIS2;                                                        SRX14680
          END;                                                               SRX14690
          ELSE GOTO TLAST4;                                                  SRX14700
       TLAST3:  CLOSE FILE(ISAM);                                            SRX14710
          OPEN  FILE(ISAM)   SEQUENTIAL  UPDATE;                             SRX14720
          ON  ENDFILE(ISAM)  GOTO TLAST2;                                    SRX14730
     /*****************************************************************/     SRX14740
       RDIS3:       /*  YOUBEUL & BIMOK  COUNT  */                          SRX14750
          DO  I = 1 TO 10;                                                   SRX14760
          READ FILE(ISAM)  INTO(ISAMREC);                                    SRX14770
           GISUPRICE=DEXPRICE(SERSE);                                        SRX14780
           KIZUNPRICE=STDPRICE(SERSE);                                       SRX14790
           GISU=DEX(SERSE);                                                  SRX14800
           PPPWGT=PUMWGT;                                                    SRX14810
           DDDWGT=CITYWGT;                                                   SRX14820
            IF KEY1 = 99  THEN DO;                                           SRX14830
            DEXPRICE (SERSE) = JDOTAB (1) / DWGTTB + 0.501;                  SRX14840
         IF SUBSTR(KEY,4,2)='99' | SUBSTR(KEY,4,2)='88' THEN DO;             SRX14850
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      DDXX=JDOTAB(2)/DWGTTB+5.01;  DDXC=DDXX;                          SRX14860
      SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC; END;                     SRX14870
      ELSE DEX (SERSE) = JDOTAB (2) / DWGTTB + 0.501 ;                 SRX14880
      REWRITE  FILE(ISAM) FROM(ISAMREC);                               SRX14890
      JDOTAB(1) = 0;                                                   SRX14900
      JDOTAB(2) = 0;                                                   SRX14910
      DWGTTB = 0;                                                      SRX14920
      GOTO RDIS3;                                                      SRX14930
      END;                                                             SRX14940
      DO J = 1 TO 37;                                                  SRX14950
        IF PUM = YCOD (J) THEN DO;                                     SRX14960
        DEXPRICE (SERSE) = YTAB (1,1,I);                               SRX14970
     DDXX = YTAB (1,1,I) / YTAB (2,1,I) + 5.01;                        SRX14980
     DDXC=DDXX;  SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;                SRX14990
    REWRITE FILE(ISAM)  FROM(ISAMREC);                                 SRX15000
    GISU=YTAB(1,1,I)/YTAB(2,1,I);                                      SRX15010
    GISUPRICE=DEXPRICE(SERSE);                                         SRX15020
    YTAB(1,1,I) = 0;                                                   SRX15030
        YTAB(2,1,I) = 0;                                               SRX15040
        DPR = DDDWGT * GISUPRICE;                                      SRX15050
        DDX = DDDWGT * GISU;                                           SRX15060
        JDOTAB (1) = JDOTAB  (1) + DPR;                                SRX15070
        JDOTAB  (2) = JDOTAB (2) + DDX;                                SRX15080
        DWGTTB = DWGTTB + DDDWGT;                                      SRX15090
        GOTO ENDU1R;                                                   SRX15100
        END;                                                           SRX15110
      END;                                                             SRX15120
      DO K = 1 TO 5;                                                   SRX15130
        IF PUM = BCOD (K) THEN DO;                                     SRX15140
        DEXPRICE (SERSE) = YTAB (1,2,I);                               SRX15150
        DDXX= YTAB (1,2,I) / YTAB(2,2,I) + 5.01;                       SRX15160
        DDXC=DDXX; SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;              SRX15170
        GISUPRICE=DEXPRICE(SERSE);                                     SRX15180
        GISU=YTAB(1,2,I)/YTAB(2,2,I);                                  SRX15190
        DPR = DDDWGT * GISUPRICE;                                      SRX15200
        DDX = DDDWGT * GISU;                                           SRX15210
        JDOTAB (1) = JDOTAB  (1) + DPR;                                SRX15220
        JDOTAB (2) = JDOTAB  (2) + DDX;                                SRX15230
        DWGTTB = DWGTTB + DDDWGT;                                      SRX15240
        REWRITE  FILE(ISAM)  FROM(ISAMREC);                            SRX15250
        YTAB (1,2,I) = 0;                                              SRX15260
        YTAB (2,2,I) = 0;                                              SRX15270
        GOTO ENDU1R;                                                   SRX15280
        END;                                                           SRX15290
      END;                                                             SRX15300
        IF PUM = 18888 THEN DO;                                        SRX15310
        DEXPRICE (SERSE) = YTAB (1,3,I);                               SRX15320
        DDXX = YTAB (1,3,I) / YTAB (2,3,I) + 5.01;                     SRX15330
        DDXC=DDXX; SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC;             SRX15340
        GISU=YTAB(1,3,I)/YTAB(2,3,I);                                  SRX15350
        GISUPRICE=DEXPRICE(SERSE);                                     SRX15360
        DPR = DDDWGT * GISUPRICE;                                      SRX15370
        DDX = DDDWGT * GISU;                                           SRX15380
        JDOTAB (1) = JDOTAB (1) + DPR;                                 SRX15390
        JDOTAB (2) = JDOTAB (2) + DDX;                                 SRX15400
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            DWGTTB = DWGTTB + DDDWGT;                                    SRX15410
            REWRITE FILE(ISAM) FROM(ISAMREC);                            SRX15420
            YTAB (1,3,I) = 0;                                            SRX15430
            YTAB (2,3,I) = 0;                                            SRX15440
            GO TO ENDU1R;                                                SRX15450
            END;                                                         SRX15460
            IF PUM = 88888 THEN DO;                                      SRX15470
            DEXPRICE (SERSE) = YTAB (1,3,I);                             SRX15480
            DDXX = YTAB (1,3,I) / YTAB (2,3,I) + 5.01;                   SRX15490
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;            SRX15500
            GISU=YTAB(1,3,I)/YTAB(2,3,I);                                SRX15510
            GISUPRICE=DEXPRICE(SERSE);                                   SRX15520
            DPR = DDDWGT * GISUPRICE;                                    SRX15530
            DDX = DDDWGT * GISU;                                         SRX15540
            JDOTAB (1) = JDOTAB (1) + DPR;                               SRX15550
            JDOTAB (2) = JDOTAB (2) + DDX;                               SRX15560
            DWGTTB = DWGTTB + DDDWGT;                                    SRX15570
            REWRITE  FILE(ISAM)  FROM(ISAMREC);                          SRX15580
            YTAB (1,3,I) = 0;                                            SRX15590
            YTAB (2,3,I) = 0;                                            SRX15600
            GOTO ENDU1R;                                                 SRX15610
            END;                                                         SRX15620
            IF  PUM = 99999  THEN DO;                                    SRX15630
            DEXPRICE (SERSE) = YTAB (1,4,I);                             SRX15640
            DDXX = YTAB (1,4,I) / YTAB (2,4,I) + 5.01;                   SRX15650
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC;           SRX15660
            GISU=YTAB(1,4,I)/YTAB(2,4,I);                                SRX15670
            GISUPRICE=DEXPRICE(SERSE);                                   SRX15680
            DPR = DDDWGT * GISUPRICE;                                    SRX15690
            DDX = DDDWGT * GISU;                                         SRX15700
            JDOTAB (1) = JDOTAB (1) + DPR;                               SRX15710
            JDOTAB (2) = JDOTAB (2) + DDX;                               SRX15720
            DWGTTB = DWGTTB + DDDWGT;                                    SRX15730
            REWRITE  FILE(ISAM)   FROM(ISAMREC);                         SRX15740
            YTAB (1,4,I) = 0;                                            SRX15750
            YTAB (2,4,I) = 0;                                            SRX15760
            GOTO ENDU1R;                                                 SRX15770
            END;                                                         SRX15780
            IF KIZUNPRICE = 0 THEN DO;                                   SRX15790
            GISU = 0;                                                    SRX15800
            GOTO KSHHH;                                                  SRX15810
            END;                                                         SRX15820
            GISU = GISUPRICE / KIZUNPRICE * 10000;                       SRX15830
        KSHHH:                                                           SRX15840
            DDX = GISU * PPPWGT;                                         SRX15850
            YTAB (1,1,I) = YTAB (1,1,I) + DDX;                           SRX15860
            YTAB (1,2,I) = YTAB (1,2,I) + DDX;                           SRX15870
            IF SUBSTR(KEY,1,3) ¬= '101' THEN                             SRX15880
            YTAB (1,3,I) = YTAB (1,3,I) + DDX;                           SRX15890
            YTAB (1,4,I) = YTAB (1,4,I) + DDX;                           SRX15900
            YTAB (2,1,I) = YTAB (2,1,I) + PPPWGT;                        SRX15910
            YTAB (2,2,I) = YTAB (2,2,I) + PPPWGT;                        SRX15920
            IF SUBSTR(KEY,1,3) ¬= '101' THEN                             SRX15930
            YTAB (2,3,I) = YTAB (2,3,I) + PPPWGT;                        SRX15940
            YTAB (2,4,I) = YTAB (2,4,I) + PPPWGT;                        SRX15950
```

```
                DPR = DDDWGT * GISUPRICE;                                       SRX15960
                DDX = DDDWGT * GISU;                                            SRX15970
                JDOTAB (1) = JDOTAB (1) + DPR;                                  SRX15980
                JDOTAB (2) = JDOTAB (2) + DDX;                                  SRX15990
                DWGTTB = DWGTTB + DDDWGT;                                       SRX16000
          ENDU1R:                                                               SRX16010
        END;                                                                    SRX16020
            GOTO  RDIS3;                                                        SRX16030
 /*****************************************************************/            SRX16040
                                                        /* CHECK TAB #1 */      SRX16050
        TLAST4:                                                                 SRX16060
            CLOSE  FILE(ISAM);                                                  SRX16070
            PUT PAGE;                                                           SRX16080
            OPEN  FILE(ISAM) DIRECT INPUT;                                      SRX16090
                NOMI = 9999999;                                                 SRX16100
                READ  FILE(ISAM)  KEY(NOMI)  INTO(ISAMREC);                     SRX16110
                T1_DEX = DEX(SRS1);                                             SRX16120
            CLOSE FILE(ISAM);                                                   SRX16130
            OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                                SRX16140
            ON  ENDFILE(ISAM) GOTO TLAST5;  PUT PAGE;                           SRX16150
            PUT SKIP(2) EDIT('*** CHECK-LIST #1 ***')(A(21));                   SRX16160
 CALL HPUT3('OS',3,0,35,'  ZH  EM    VNA  AHR       TJ  DNF    QN  TKS',SRX16170
 3,37,'EO  RN   DLS CJS   EO WJS   RHKD  WN   WJS  WN',3,                      SRX16180
 21,'CNS  CJS   CJD  WN   WJSEHTL') ;                                          SRX16190
        RDA1:                                                                   SRX16200
            DO  I = 1 TO 10;                                                    SRX16210
                READ  FILE(ISAM) INTO(ISAMREC);                                 SRX16220
                KTAB1(1,I) = DEX(SERSE);                                        SRX16230
                KTAB1(2,I) = DEX(SRS1);                                         SRX16240
                IF I=10 THEN PPPWGT=PUMWGT;                                     SRX16250
                KTAB1(3,I)=CITYWGT;                                             SRX16260
            END;                                                                SRX16270
            IF SUBSTR(KEY,1,5)='99999' THEN GOTO N9;                            SRX16280
            IF SUBSTR(KEY,1,5)='19999' THEN GOTO N9;                            SRX16290
            IF SUBSTR(KEY,1,5)='88888' THEN GOTO N9;                            SRX16300
            IF SUBSTR(KEY,1,5)='18888' THEN GOTO RDA1;                          SRX16310
            IF SUBSTR(KEY,4,2)='99' THEN GOTO RDA1;                             SRX16320
      N9:   DO  I = 1 TO 10;                                                    SRX16330
             KTAB2(I) =(((KTAB1(1,I)-KTAB1(2,I)) * PPPWGT) *                    SRX16340
                    KTAB1(3,I)) / (T1_DEX * 1000000);                           SRX16350
            END;                                                                SRX16360
            IF SUBSTR(KEY,1,5)='99999' THEN GOTO PP1 ;                          SRX16370
           DCL KB11 PIC '$9V99' ;                                               SRX16380
            KB11 = KTAB2(10);                                                   SRX16390
            IF KB11 = 0.00 THEN GOTO RDA1;                                      SRX16400
      PP1:  CALL HGBATCH (FUNC,RTC,HGCHAR,L10,HEADHG,L10);                      SRX16410
            PUT SKIP(2) EDIT(PUM,HHG1,(KTAB2 (I) DO I = 1 TO 10))               SRX16420
            (X(2),F(5),X(2),A(10),9(X(2),F(6,3)),X(2),F(6,2));                  SRX16430
            PUT SKIP(0) EDIT(HHG2)(X(9),A(10));                                 SRX16440
            PUT SKIP(1) EDIT(HHG3)(X(9),A(10));                                 SRX16450
            GOTO RDA1;                                                          SRX16460
        TLAST5:                                                                 SRX16470
            CLOSE FILE(ISAM);                                                   SRX16480
 /*****************************************************************/            SRX16490
            /***  # CHECK LIST 2 # ***/                                          SRX16500
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          OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                                SRX16510
          SW = 0; ON ENDFILE(ISAM) GOTO TLAST6;  PUT PAGE;                    SRX16520
       PUT SKIP(3) EDIT('** CHECK-LIST 2 **')(X(50),A);                       SRX16530
       RDA2:                                                                  SRX16540
          READ  FILE(ISAM)   INTO(ISAMREC);                                   SRX16550
          IF  SUBSTR(KEY,4,2) ='99' THEN  GOTO RDA2;                          SRX16560
          IF  SUBSTR(KEY,4,2) ='88' THEN  GOTO RDA2;                          SRX16570
          IF  SUBSTR(KEY,6,2) ='99' THEN  GOTO RDA2;                          SRX16580
          D2=DEXPRICE(SRS1);                                                  SRX16590
          D3=DEXPRICE(SERSE);                                                 SRX16600
          K1 = DEXPRICE (SERSE) - DEXPRICE (SRS1);                            SRX16610
          IF  K1 = 0 THEN GOTO RDA2;                                          SRX16620
          IF D2=0 THEN DO; D1=0; GOTO CH2; END;                               SRX16630
          D1 = (D3 / D2 - 1) * 100;                                           SRX16640
       CH2: IF SW = 0  THEN  GOTO  NEXTRD1;                                   SRX16650
          IF PUM ¬= SAVEPUM  THEN GOTO NEXTRD1;                               SRX16660
          D2 = D2 / 100;  K1=K1/100;                                          SRX16670
          D3 = D3 / 100;                                                      SRX16680
          PUT SKIP(2) EDIT(KEY1,D2,D3,K1,D1)(X(29),F(2),X(5),F(10,2),         SRX16690
                        X(5),F(10,2),X(5),F(10,2),X(5),F(10,2));              SRX16700
          SW = 1;                                                             SRX16710
          SAVEPUM = PUM;                                                      SRX16720
          GOTO RDA2;                                                          SRX16730
       NEXTRD1:                                                               SRX16740
          D2=D2/100; D3=D3/100;  K1=K1/100;  L30=25;                          SRX16750
          CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HHG1,L30);                        SRX16760
          PUT SKIP(2) EDIT(PUM,HHG1,KEY1,D2,D3,K1,D1)(X(5),F(5),X(2),         SRX16770
                         A(15),X(2),F(2),X(5),F(10,2),X(5),F(10,2),           SRX16780
                      X(5),F(10,2),X(5),F(10,2));                             SRX16790
          PUT SKIP(0) EDIT(HHG2)(X(12),A(15));                                SRX16800
          PUT SKIP(1) EDIT(HHG3)(X(12),A(15));                                SRX16810
          SW = 1;                                                             SRX16820
          SAVEPUM = PUM;                                                      SRX16830
          GOTO RDA2;                                                          SRX16840
       TLAST6:                                                                SRX16850
          CLOSE   FILE(ISAM);                                                 SRX16860
  /*************************************************************************/ SRX16870
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                               SRX16880
          ON ENDFILE(ISAM)  GOTO TLAST7; PUT PAGE;                            SRX16890
          J = 1;                                                              SRX16900
       RDA3:                                                                  SRX16910
          DO  I = 1 TO 10;                                                    SRX16920
          READ FILE(ISAM)  INTO(ISAMREC);                                     SRX16930
          IF SUBSTR(KEY,4,2)='99' THEN GOTO END10RTN;                         SRX16940
          IF SUBSTR(KEY,4,2)='88' THEN GOTO END10RTN;                         SRX16950
          IF KEY1 = 99 THEN DO;                                               SRX16960
          UPCOD(J) = PUM;                                                     SRX16970
          UPCODH(J) = HGCHAR;                                                 SRX16980
          GOTO END10RTN;                                                      SRX16990
          END;                                                                SRX17000
          TABU1(1,J,I) = MAKPRICE(SERSE);                                     SRX17010
          TABU1(2,J,I)= DEXPRICE(SERSE);                                      SRX17020
       END10RTN:                                                              SRX17030
       END;                                                                   SRX17040
          IF SUBSTR(KEY,4,2)='99' THEN GOTO RDA3;                             SRX17050
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          IF SUBSTR(KEY,4,2)='88' THEN GOTO RDA3;                          SRX17060
          J=J+1;                                                           SRX17070
          GOTO RDA3;                                                       SRX17080
       TLAST7:                                                             SRX17090
          TABU1=TABU1/100;                                                 SRX17100
          DO I = 1 TO 9;                                                   SRX17110
            PUT PAGE;                                                      SRX17120
            PUT EDIT('*      =',I,'*')(X(5),A,F(2),A);                     SRX17130
            CALL HPUT1('OS',0,6,6,' EH TL ') ;                             SRX17140
            DO K = 1 TO 394;  L30=25;                                      SRX17150
              CALL HGBATCH (FUNC,RTC,UPCODH(K),L30,HEADHG,L30);            SRX17160
     PUT SKIP(2) EDIT(UPCOD(K),HHG1,TABU1(1,K,I),TABU1(2,K,I),             SRX17170
   '__________','_________','_________')(X(5),F(5),X(2),A(15),            SRX17180
                  X(5),F(10,2),X(5),F(10,2),X(10),A(10),X(5),            SRX17190
                  A(10),X(5),A(10));                                       SRX17200
              PUT SKIP(0) EDIT(HHG2)(X(12),A(15));                         SRX17210
              PUT SKIP(1) EDIT(HHG3)(X(12),A(15));                         SRX17220
              END;                                                         SRX17230
          END;                                                             SRX17240
          CLOSE  FILE(ISAM);                                               SRX17250
       END UPTRTN;                                                         SRX17260
  /*********************************************************************/  SRX17270
     SENGGEBI: PROC;                                                       SRX17280
      DCL SCODE(13) PIC'99999' INIT(10101,10102,10103,10106,10111,10201,SRX17290
 10202,10801,10804,10805,10810,10902,30201),                             SRX17300
       DT(8)       FLOAT, TOTDEX(4,2) FLOAT BIN(53),                     SRX17310
       SWGT(14,2) FLOAT;                                                 SRX17320
       OPEN FILE(ISAM) DIRECT INPUT;                                     SRX17330
       TAB4=0;  TOTDEX=0;  SWGT=0;                                       SRX17340
       DO I=1 TO 13;                                                     SRX17350
         KEY=SCODE(I) || '01';                                           SRX17360
         READ FILE(ISAM) INTO(ISAMREC) KEY(KEY);                         SRX17370
         J=2; CALL SAVRTN;                                               SRX17380
         KEY=SCODE(I) || '99';                                           SRX17390
         READ FILE(ISAM) INTO(ISAMREC) KEY(KEY);                         SRX17400
         J=1; CALL SAVRTN;                                               SRX17410
       END;                                                              SRX17420
       CLOSE FILE(ISAM);                                                 SRX17430
      DO I=1 TO 4;                                                       SRX17440
       TAB4(1,14,I)=TOTDEX(I,1)/SWGT(14,1);                              SRX17450
       TAB4(2,14,I)=TOTDEX(I,2)/SWGT(14,2);                              SRX17460
      END;  HGTB4(14)='RLQHSTODVLFVNA';                                  SRX17470
      TAB4=TAB4/100; SWGT=SWGT/10;                                       SRX17480
      CALL TB12_1;                                                       SRX17490
      CALL TB13_1;                                                       SRX17500
      CALL TB14_1;                                                       SRX17510
      CALL TB15_1;                                                       SRX17520
      CALL TB15_2;                                                       SRX17530
      TAB4=0;  HGTB4=' ';                                                SRX17540
   TITRTN: PROC;                                                         SRX17550
     DCL SA PIC'Z9', SE CHAR(2);                                         SRX17560
      HEADA1='RL QHS  TOD VLF VNA  WL TN';                               SRX17570
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,HEADHG,L30);                      SRX17580
      PUT PAGE; DO I=1 TO 10; PUT SKIP; END;                             SRX17590
      PUT EDIT(HHG1,HHG2,HHG3)(2(SKIP(0),X(28),A(20)),                   SRX17600
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        SKIP(1),X(28),A(20));                                                    SRX17610
      SA=SN*10-5; IF SA=35 THEN SE='  '; ELSE SE=SA;                             SRX17620
      PUT SKIP EDIT('19',YY,'.',MM,'.',SE)(X(35),A,F(2),A,F(2),A,A(2));          SRX17630
  END TITRTN;                                                                    SRX17640
  TB12_1:PROC;                                                                   SRX17650
      CALL TITRTN;                                                               SRX17660
      HEADA1='VY 12-1 RL QHS VY';                                                SRX17670
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                              SRX17680
       PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                                      SRX17690
       PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                                      SRX17700
       PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                                      SRX17710
       HEADA1='WJS      EH      TL';                                             SRX17720
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG2,L30);                              SRX17730
       HEADA1='TJ           DNF';                                                SRX17740
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG3,L30);                               SRX17750
       HEADA1='RKWNDCL';                                                         SRX17760
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                              SRX17770
       HEADA1='WL  TN';                                                          SRX17780
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG5,L30);                              SRX17790
       HEADA1='RK RUR';                                                          SRX17800
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                              SRX17810
       PUT SKIP(2) EDIT(CHG21,CHG31)(X(24),A(29),A(13));                         SRX17820
       PUT SKIP(0) EDIT(CHG22,CHG32)(X(24),A(29),A(13));                         SRX17830
       PUT SKIP(1) EDIT(CHG23,CHG33)(X(24),A(29),A(13));                         SRX17840
       PUT SKIP(1) EDIT(CHG41,CHG51,CHG61,CHG41,CHG51,CHG61)                     SRX17850
            (X(17),A(9),A(11),A(11),A(9),A(11),A(5));                            SRX17860
       PUT SKIP(0) EDIT(CHG42,CHG52,CHG62,CHG42,CHG52,CHG62)                     SRX17870
            (X(17),A(9),A(11),A(11),A(9),A(11),A(5));                            SRX17880
       PUT SKIP(1) EDIT(CHG43,CHG53,CHG63,CHG43,CHG53,CHG63)                     SRX17890
            (X(17),A(9),A(11),A(11),A(9),A(11),A(5)); PUT SKIP;                  SRX17900
      DO I=14, 1 TO 13;                                                          SRX17910
       CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                           SRX17920
       DT(1)=SWGT(I,1); DT(2)=TAB4(1,I,1); DT(3)=TAB4(4,I,1);                    SRX17930
       DT(4)=SWGT(I,2); DT(5)=TAB4(2,I,1); DT(6)=TAB4(5,I,1);                    SRX17940
     PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 6))(X(1),A(12),F(9,1),F(9,2),           SRX17950
          F(11,2),X(2),F(9,1),F(9,2),F(11,2));                                   SRX17960
       PUT SKIP(0) EDIT(HHG2)(X(1),A(12));                                       SRX17970
       PUT SKIP EDIT(HHG3)(X(1),A(12));                                          SRX17980
       IF I=14 THEN PUT SKIP(2);                                                 SRX17990
       IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;                     SRX18000
END;  END TB12_1;                                                                SRX18010
 TB13_1: PROC;                                                                   SRX18020
      CALL TITRTN;                                                               SRX18030
      HEADA1='VY 13-1 WLTN EMDFKRDBF';                                           SRX18040
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                               SRX18050
       PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                                      SRX18060
       PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                                      SRX18070
       PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                                      SRX18080
      HEADA1='QLWJSTNS';                                                         SRX18090
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                               SRX18100
      HEADA1='QLWJSSUSAKF';                                                      SRX18110
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                               SRX18120
      HEADA1='QL1SUSWJS';                                                        SRX18130
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG7,L30);                               SRX18140
       PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(32),A(13));                         SRX18150
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          DIT(CHG22,CHG32)(X(20),A(32),A(13));
          )IT(CHG23,CHG33)(X(20),A(32),A(13));
  PUT SKIP(1) EDIT(CHG51,CHG41,CHG61,CHG71,CHG51,CHG41,CHG61,CHG71)
          (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));
  PUT SKIP(0) EDIT(CHG52,CHG42,CHG62,CHG72,CHG52,CHG42,CHG62,CHG72)
          (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));
  PUT SKIP(1) EDIT(CHG53,CHG43,CHG63,CHG73,CHG53,CHG43,CHG63,CHG73)
          (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));
   PUT SKIP;
   DO I=14, 1 TO 13;
     CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);
    DT(1)=TAB4(1,I,1); DT(2)=TAB4(1,I,1)/TAB4(1,I,2)*100-100;
    DT(3)=TAB4(1,I,1)/TAB4(1,I,3)*100-100;
    DT(4)=TAB4(1,I,1)/TAB4(1,I,4)*100-100;
    DT(5)=TAB4(2,I,1); DT(6)=TAB4(2,I,1)/TAB4(2,I,2)*100-100;
    DT(7)=TAB4(2,I,1)/TAB4(2,I,3)*100-100;
    DT(8)=TAB4(2,I,1)/TAB4(2,I,4)*100-100;
  PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 8))(X(1),A(8),F(7,2),F(7,1),
  F(9,1),F(8,1),X(3),F(7,2),F(7,1),F(9,1),F(8,1));
    PUT SKIP(0) EDIT(HHG2)(X(1),A(14));
    PUT SKIP EDIT(HHG3)(X(1),A(14));
    IF I=14 THEN PUT SKIP(2);
    IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;
  END;  END TB13_1;
  TB14_1: PROC;
    CALL TITRTN;
    HEADA1='VY 14-1 WLTN RLDUEH';
    CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);
    PUT SKIP(3) EDIT(CHG81)(X(1),A(50));
    PUT SKIP(0) EDIT(CHG82)(X(1),A(50));
    PUT SKIP(1) EDIT(CHG83)(X(1),A(50));
    PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(32),A(13));
    PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(32),A(13));
    PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(32),A(13));
  PUT SKIP(1) EDIT(CHG51,CHG41,CHG61,CHG71,CHG51,CHG41,CHG61,CHG71)
          (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));
  PUT SKIP(0) EDIT(CHG52,CHG42,CHG62,CHG72,CHG52,CHG42,CHG62,CHG72)
          (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));
  PUT SKIP(1) EDIT(CHG53,CHG43,CHG63,CHG73,CHG53,CHG43,CHG63,CHG73)
          (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));
  PUT SKIP;
    DO I=14, 1 TO 13;
     CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);
     DT(1)=TAB4(1,I,1);
    DT(2)=((TAB4(1,I,1)-TAB4(1,I,2))*SWGT(I,1)*100)/(TAB4(1,14,2)
              *SWGT(14,1));
    DT(3)=((TAB4(1,I,1)-TAB4(1,I,3))*SWGT(I,1)*100)/(TAB4(1,14,3)
              *SWGT(14,1));
    DT(4)=((TAB4(1,I,1)-TAB4(1,I,4))*SWGT(I,1)*100)/(TAB4(1,14,4)
              *SWGT(14,1));
     DT(5)=TAB4(2,I,1);
    DT(6)=((TAB4(2,I,1)-TAB4(2,I,2))*SWGT(I,2)*100)/(TAB4(2,14,2)
              *SWGT(14,2));
    DT(7)=((TAB4(2,I,1)-TAB4(2,I,3))*SWGT(I,2)*100)/(TAB4(2,14,3)
              *SWGT(14,2));
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      DT(8)=((TAB4(2,I,1)-TAB4(2,I,4))*SWGT(I,2)*100)/(TAB4(2,14,4)    SRX18710
            *SWGT(14,2));                                               SRX18720
    PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 8))(X(1),A(8),2 F(7,2),F(9,2),SRX18730
    F(8,2),X(3),2 F(7,2),F(9,2),F(8,2));                                SRX18740
       PUT SKIP(0) EDIT(HHG2)(X(1),A(14));                              SRX18750
       PUT SKIP EDIT(HHG3)(X(1),A(14));                                 SRX18760
       IF I=14 THEN PUT SKIP(2);                                        SRX18770
       IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;            SRX18780
  END; END TB14_1;                                                      SRX18790
 TB15_1: PROC;                                                          SRX18800
   CALL TITRTN;                                                         SRX18810
     HEADA1='VY 15-1 RKRUR EMDFKR';                                     SRX18820
     CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                       SRX18830
     PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                               SRX18840
     PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                               SRX18850
     PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                               SRX18860
        HEADA1='WJS   TNS';                                             SRX18870
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                    SRX18880
        HEADA1='RMA    TNS';                                            SRX18890
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG5,L30);                    SRX18900
        HEADA1='EMDFKRDOR';                                             SRX18910
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                    SRX18920
        HEADA1='EMDFKRDBF';                                             SRX18930
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG7,L30);                    SRX18940
     PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(32),A(13));                  SRX18950
     PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(32),A(13));                  SRX18960
     PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(32),A(13));                  SRX18970
    PUT SKIP(1) EDIT(CHG41,CHG51,CHG61,CHG71,CHG41,CHG51,CHG61,CHG71)   SRX18980
          (X(10),A(10),A(10),A(7),A(7),A(11),A(9),A(9),A(5));           SRX18990
    PUT SKIP(0) EDIT(CHG42,CHG52,CHG62,CHG72,CHG42,CHG52,CHG62,CHG72)   SRX19000
          (X(10),A(10),A(10),A(7),A(7),A(11),A(9),A(9),A(5));           SRX19010
    PUT SKIP(1) EDIT(CHG43,CHG53,CHG63,CHG73,CHG43,CHG53,CHG63,CHG73)   SRX19020
          (X(10),A(10),A(10),A(7),A(7),A(11),A(9),A(9),A(5));           SRX19030
    PUT SKIP;                                                           SRX19040
   DO I=1 TO 13;                                                        SRX19050
    CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                     SRX19060
    DT(1)=TAB4(4,I,2); DT(2)=TAB4(4,I,1);                               SRX19070
    DT(3)=TAB4(4,I,1)-TAB4(4,I,2);                                      SRX19080
    DT(4)=TAB4(4,I,1)/TAB4(4,I,2)*100-100;                              SRX19090
    DT(5)=TAB4(5,I,2); DT(6)=TAB4(5,I,1);                               SRX19100
    DT(7)=TAB4(5,I,1)-TAB4(5,I,2);                                      SRX19110
    DT(8)=TAB4(5,I,1)/TAB4(5,I,2)*100-100;                              SRX19120
    PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 8))(X(1),A(6),2 (F(10,2),       SRX19130
       F(10,2),F(8,2),F(6,1)));                                         SRX19140
    PUT SKIP(0) EDIT(HHG2)(X(1),A(8));                                  SRX19150
    PUT SKIP EDIT(HHG3)(X(1),A(8));                                     SRX19160
    IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;               SRX19170
  END;  END TB15_1;                                                     SRX19180
  TB15_2: PROC;                                                         SRX19190
    CALL TITRTN;                                                        SRX19200
      HEADA1='VY 15-2 RKRUR QLRY';                                      SRX19210
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                      SRX19220
      PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                              SRX19230
      PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                              SRX19240
      PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                              SRX19250
```

```
        HEADA1='WJSSUSAKFDNJF';                                              SRX19260
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                         SRX19270
        HEADA1='WJSSUSEHDTNS';                                               SRX19280
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                         SRX19290
        PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(31),A(13));                    SRX19300
        PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(31),A(13));                    SRX19310
        PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(31),A(13));                    SRX19320
        PUT SKIP(1) EDIT(CHG41,CHG61,CHG51,CHG41,CHG61,CHG51)                SRX19330
           (X(13),A(12),A(10),A(11),A(10),A(10),A(7));                       SRX19340
        PUT SKIP(0) EDIT(CHG42,CHG62,CHG52,CHG42,CHG62,CHG52)                SRX19350
           (X(13),A(12),A(10),A(11),A(10),A(10),A(7));                       SRX19360
        PUT SKIP(1) EDIT(CHG43,CHG63,CHG53,CHG43,CHG63,CHG53)                SRX19370
           (X(13),A(12),A(10),A(11),A(10),A(10),A(7)); PUT SKIP;             SRX19380
     DO I=1 TO 13;                                                           SRX19390
      CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                        SRX19400
       DT(1)=TAB4(4,I,3); DT(2)=TAB4(4,I,4);                                 SRX19410
       DT(3)=TAB4(4,I,1); DT(4)=TAB4(5,I,3);                                 SRX19420
       DT(5)=TAB4(5,I,4); DT(6)=TAB4(5,I,1);                                 SRX19430
       PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 6))(X(1),A(10),3 F(10,2),         SRX19440
            X(2),3 F(10,2));                                                 SRX19450
       PUT SKIP(0) EDIT(HHG2)(X(1),A(10));                                   SRX19460
       PUT SKIP EDIT(HHG3)(X(1),A(10));                                      SRX19470
       IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;                 SRX19480
     END; END TB15_2;                                                        SRX19490
   SAVRTN: PROC;                                                             SRX19500
        HGTB4(I)=HGCHAR; SWGT(I,J)=PUMWGT;                                   SRX19510
        TAB4(J,I,1)=DEX(SERSE); TAB4(J+3,I,1)=DEXPRICE(SERSE);               SRX19520
        TAB4(J,I,2)=DEX(SRS1); TAB4(J+3,I,2)=DEXPRICE(SRS1);                 SRX19530
        TAB4(J,I,3)=DEX(SRS3); TAB4(J+3,I,3)=DEXPRICE(SRS3);                 SRX19540
        TAB4(J,I,4)=DEX(SRS4); TAB4(J+3,I,4)=DEXPRICE(SRS4);                 SRX19550
        SWGT(14,J)=SWGT(14,J)+PUMWGT;                                        SRX19560
        TOTDEX(2,J)=TOTDEX(2,J)+DEX(SRS1)*PUMWGT;                            SRX19570
        TOTDEX(3,J)=TOTDEX(3,J)+DEX(SRS3)*PUMWGT;                            SRX19580
        TOTDEX(4,J)=TOTDEX(4,J)+DEX(SRS4)*PUMWGT;                            SRX19590
        TOTDEX(1,J)=TOTDEX(1,J)+DEX(SERSE)*PUMWGT;                           SRX19600
     END SAVRTN;                                                             SRX19610
    END SENGGEBI;                                                            SRX19620
/*************************************************************************/  SRX19630
    BACKRTN:    PROC;                                                        SRX19640
      DCL TAPE FILE RECORD OUTPUT;                                           SRX19650
      OPEN FILE(ISAM) SEQUENTIAL INPUT;                                      SRX19660
      OPEN FILE(TAPE);                                                       SRX19670
      ON ENDFILE(ISAM) GOTO BACKLAST;                                        SRX19680
    BACKRD:  READ FILE(ISAM) INTO(ISAMREC);                                  SRX19690
      WRITE FILE(TAPE) FROM(ISAMREC);                                        SRX19700
      GOTO BACKRD;                                                           SRX19710
    BACKLAST: CLOSE FILE(ISAM),FILE(TAPE);                                   SRX19720
       END SUBTBRTN;                                                         SRX19730
      LAST:                                                                  SRX19740
          CLOSE FILE(CARD);                                                  SRX19750
  % INCLUDE HANPRTS ;                                                        
      END MASTER;                                                            SRX19770
  /*************************************************************************/SRX19780
/*
//LKED.SYSLIB DD DSN=SYS1.LINKLIB,DISP=SHR                                   SRX03970
```

```
FILE: SRXWUT54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

//LKED.SYSPRINT DD SYSOUT=O                                                    SRX03980
//GO.SYSPRINT DD SYSOUT=O                                                      SRX03990
//GO.ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                                SRX19830
//  UNIT=SYSDA,VOL=SER=BOSWK1                                                  SRX19840
//GO.TAPE DD DSN=BOS11,UNIT=TAPE,                                              SRX19850
//    DCB=(RECFM=F,BLKSIZE=2401),DISP=(NEW,KEEP)                               SRX19860
//GO.CARD DD *                                                                 SRX19870
TBSN    284021                                                                SRX19880
2840212010101       421202800 421202800 276627400                             SRX04850
2840212010102       325035500 325035500 232192200                             SRX04850
2840212010103       240357100 240357100 176103600                             SRX04850
2840212010104       225563100 225563100 158249200                             SRX04850
2840212010105       221666700 221666700 162034000                             SRX04850
2840212010106       287446800 287446800 204836700                             SRX04850
2840212010107       164555600 164555600 125088300                             SRX04850
2840212010108       100000000 100000000 89944300                              SRX04850
2840212010109       233174600 233174600 175116700                             SRX04850
2840212010201       8065400   8065400   5440300                               SRX04850
2840212010202       5451500   5451500   3473300                               SRX04850
2840212010203       3493400   3493400   2625000                               SRX04850
2840212010204       4534200   4534200   3118700                               SRX04850
2840212010205       4086300   4086300   2865700                               SRX04850
2840212010206       2935400   2935400   1690500                               SRX04850
2840212010207       3394200   3394200   2800800                               SRX04850
2840212010208       4062500   4062500   2676400                               SRX04850
2840212010209       3497800   3497800   1927000                               SRX04850
2840211010106       607500    607500                                          SRX04850
2840211010206       533400    533400                                          SRX04850
2840211030902       800000    800000                                          SRX04850
2840211060604       32500     32500                                           SRX04850
2840211060807       20000     20000                                           SRX04850
/*
//
```

SRXWUU54

(RAW DATA UPDATE 및 TABLE : 平均表)

FILE: SRXWUU54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWUU54 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD,MSGLEVEL=0                    SRX00010
//  EXEC PLIFHG,PARM='NOSOURCE',TIME=1000                                   SMI00020
//SYSLIB DD DSN=IMSVS.SSSLIB,DISP=SHR
//PLI.SYSPRINT DD SYSOUT=O
//PLI.SYSIN DD *                                                          SMI00030
* PROCESS S,GS,NEST,XREF,OPT(TIME),A,FLOW(100,10),INCLUDE,NOSOURCE ;      SRX00060
 MASTER: PROC OPTIONS (MAIN);                                            SRX00070
       DCL  ISAM FILE RECORD KEYED ENV(INDEXED);                         SRX00080
 DCL SERSE  PIC '999';                                                   SRX00090
 DCL SERSE2 PIC '999';                                                   SRX00100
      DCL  HGBATCH ENTRY OPTIONS(ASSEMBLER);                             SRX00110
      DCL FUNC  CHAR(2) INIT('IO');                                      SRX00120
      DCL  RTC   CHAR(2);                                                SRX00130
 DCL 1 ISAMREC,                                                          SRX00140
      2 KEY          CHAR (7) ,                                         SRX00150
      2 TSBUN        CHAR(6) ,                                          SRX00160
      2 HGCHAR       CHAR(25) ,                                         SRX00170
          2 SGCOD     CHAR(6),                                          SRX00180
      2 SELECTCOD    CHAR(1) ,                                          SRX00190
      2 PUMWGT       FIXED BIN (15) ALIGNED,                            SRX00200
      2 CITYWGT      FIXED BIN (15) ALIGNED,                            SRX00210
      2 DATA1  (147),                                                   SRX00220
        3 STDPRICE  FIXED BIN (31) ALIGNED,                             SRX00230
        3 MAKPRICE  FIXED BIN (31) ALIGNED,                             SRX00240
        3 DEXPRICE  FIXED BIN (31) ALIGNED,                             SRX00250
        3 DEX       FIXED BIN (31) ALIGNED ;                            SRX00260
       DCL PUM PIC '(5)9' DEF KEY,                                      SRX00270
           KEY1 PIC '99' DEF KEY POS(6);                                SRX00280
 DCL CARD FILE RECORD INPUT;                                            SRX00290
 DCL 1 CARDREC,                                                         SRX00300
      2 OPT    CHAR (4) ,                                               SRX00310
      2 FILLER1 CHAR(4),                                                SRX00320
      2 CID    PIC '9',                                                 SRX00330
      2 YMS    CHAR(5),                                                 SRX00340
      2 FI2    CHAR(66);                                                SRX00350
 DCL YY PIC '99' DEF YMS,                                               SRX00360
      MM PIC '99' DEF YMS POS(3),                                       SRX00370
      SN PIC '9'  DEF YMS POS(5);                                       SRX00380
      OPEN     FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66);               SRX00390
           OPEN      FILE(CARD);                                        SRX00400
           ON ENDFILE(CARD)    GOTO LAST;                               SRX00410
       CARDRD:                                                          SRX00420
           READ  FILE(CARD)    INTO(CARDREC);                           SRX00430
           SERSE =(((YY - 82) * 49)+ ((MM - 1) * 4)) + SN;              SRX00440
      SERSE2 =(((YY - 83) * 49)+ ((MM - 1) * 4))+ SN;                   SRX00450
           IF  OPT = 'TBSN' THEN  CALL SUBTBRTN;                        SRX00460
           IF  OPT = 'TBMN' THEN  CALL SUBTBRTN;                        SRX00470
           GOTO CARDRD;                                                 SRX00480
 SUBTBRTN: PROCEDURE;                                                   SRX00490
           CALL  SRSRTN;                                                SRX00500
       DCL TPRC  (10) FLOAT(16);                                        SRX00510
       DCL TDEX  (10)  FLOAT;                                           SRX00520
   DCL  1 HEADHG,                                                       SRX00530
         2 HHG1 CHAR (132),                                             SRX00540
         2 HHG2 CHAR (132),                                             SRX00550
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       2 HHG3 CHAR (132);                                                    SRX00560
   DCL  1 CTHG,                                                              SRX00570
       2 CTHG1 CHAR (132),                                                   SRX00580
       2 CTHG2 CHAR (132),                                                   SRX00590
       2 CTHG3 CHAR (132);                                                   SRX00600
   DCL   HEADA1 CHAR (50);                                                   SRX00610
  DCL 1 CTHG1, 2 CHG11 CHAR(132), 2 CHG12 CHAR(132), 2 CHG13 CHAR(132);      SRX00620
  DCL 1 CTHG2, 2 CHG21 CHAR(132), 2 CHG22 CHAR(132), 2 CHG23 CHAR(132);      SRX00630
  DCL 1 CTHG3, 2 CHG31 CHAR(132), 2 CHG32 CHAR(132), 2 CHG33 CHAR(132);      SRX00640
  DCL 1 CTHG4, 2 CHG41 CHAR(132), 2 CHG42 CHAR(132), 2 CHG43 CHAR(132);      SRX00650
  DCL 1 CTHG5, 2 CHG51 CHAR(132), 2 CHG52 CHAR(132), 2 CHG53 CHAR(132);      SRX00660
  DCL 1 CTHG6, 2 CHG61 CHAR(132), 2 CHG62 CHAR(132), 2 CHG63 CHAR(132);      SRX00670
  DCL 1 CTHG7, 2 CHG71 CHAR(132), 2 CHG72 CHAR(132), 2 CHG73 CHAR(132);      SRX00680
  DCL 1 CTHG8, 2 CHG81 CHAR(132), 2 CHG82 CHAR(132), 2 CHG83 CHAR(132);      SRX00690
   DCL  O      PIC '99';                                                     SRX00700
   DCL  TAB1 (6,50,10)  FLOAT;                                               SRX00710
   DCL  YCODTB  (50)  PIC '(5)9';                                            SRX00720
   DCL  YPUMHG  (50)  CHAR (25);                                             SRX00730
       DCL 1 CTHG12,                                                         SRX00740
           2 CHG121 CHAR(132),                                               SRX00750
           2 CHG122 CHAR(132),                                               SRX00760
           2 CHG123 CHAR(132);                                               SRX00770
      DCL DOSINAME(10) CHAR(10) INIT                                         SRX00780
      ('TJ  DNF','QN  TKS','EO   RN','DLS  CJS','EO  WJS','RHKD    WN',    SRX00790
      'WJS   WN','CNS    CJS','CJD     WN','WJS EH TL') ;                   SRX00800
      DCL DAY PIC '99';                                                      SRX00810
      DCL  JYY PIC '99';                                                     SRX00820
      DCL L50 FIXED BIN(15) INIT(25);                                        SRX00830
      DCL L8  FIXED BIN(15) INIT(25);                                        SRX00840
      DCL L6  FIXED BIN(15) INIT(25);                                        SRX00850
      DCL L30       FIXED BIN(15) INIT(25);                                  SRX00860
      DCL L10       FIXED BIN(15) INIT(25);                                  SRX00870
      DCL D1   FLOAT(16) ,                                                   SRX00880
          D2   FLOAT(16) ,                                                   SRX00890
          D3   FLOAT(16) ,                                                   SRX00900
          D4   FLOAT(16) ;                                                   SRX00910
      DCL K1   FLOAT ,                                                       SRX00920
          K2   FLOAT ,                                                       SRX00930
          K3   FLOAT ,                                                       SRX00940
          K4   FLOAT ;                                                       SRX00950
       DCL TAB2  (6,500,2)  FLOAT;                                           SRX00960
      DCL PUMCODE  (500) PIC '(5)9';              /* TAB #3 */              SRX00970
      DCL PCODEHG  (500)  CHAR(25) ;              /* TAB #3 */              SRX00980
      DCL P    PIC '999' INIT(1);                                            SRX00990
      DCL  SRS1  PIC '999',                                                  SRX01000
           SRS2  PIC '999',                                                  SRX01010
           SRS3  PIC '999',                                                  SRX01020
           SRS4  PIC '999';                                                  SRX01030
       DCL SRSB1 PIC '999',                                                  SRX01040
           SRSB2 PIC '999',                                                  SRX01050
           SRSB3 PIC '999',                                                  SRX01060
           SRSB4 PIC '999';                                                  SRX01070
      DCL TOTDEX1  (2)  PIC '9999V99';      /* TAB #7 */                     SRX01080
       DCL CITY     PIC '99';                                                SRX01090
       DCL MARGIN1  PIC '(7)9';                                              SRX01100
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```
       DCL NOMIKEY  (2) PIC '(7)9' INIT(9999901,9999999);                SRX01110
       DCL NOMI          PIC '(7)9';                                     SRX01120
       DCL INDEX1        PIC '9';          /*  TAB #7 */                SRX01130
       DCL SW            PIC '9'  INIT(0); /* TAB #2 & #9 */             SRX01140
       DCL SAVEPUM       PIC '(5)9';       /* TAB #2 & #9 */             SRX01150
       DCL SAVEHG   CHAR(25);              /* TAB #2 & #9 */             SRX01160
       DCL COUNT    PIC '99' INIT(2);                                    SRX01170
       DCL J     PIC   '999' INIT(1);      /* TAB #2 & #9 */             SRX01180
       DCL TAB4  (6,21,4)    FLOAT;                                     SRX01190
       DCL HGTB4 (21)   CHAR(25);                                       SRX01200
       DCL PCOD4 (21) PIC '99999' INIT(99999,19999,10199,10299,10399,   SRX01210
                  10499,10599,10699,10799,10899,10999,11099,11199,      SRX01220
                  11299,11399,11499,88888,29999,39999,49999,59999);     SRX01230
       DCL HED   PIC '99';                                              SRX01240
       DCL TIT   PIC '99';                                              SRX01250
       DAY=SN*10-5;                                                     SRX01260
       IF SN=4 THEN DO;  DAY=0; END;                                    SRX01270
           IF  OPT  = 'TBSN'  THEN DO;                                  SRX01280
               CALL UPTRTN;                                             SRX01290
           IF CID = 1 THEN GOTO LAST;                                   SRX01300
               CALL TB01RTN;                                            SRX01310
               CALL TB02RTN;                                            SRX01320
               CALL TB03RTN;                                            SRX01330
               CALL TB04RTN;                                            SRX01340
               CALL TB06RTN;                                            SRX01350
               CALL TB07RTN;                                            SRX01360
               CALL SENGGEBI;                                           SRX01370
               CALL TB12RTN;                                            SRX01380
               CALL BACKRTN;                                            SRX01390
           END;                                                         SRX01400
           ELSE DO;                                                     SRX01410
               PUT PAGE;                                                SRX01420
               CALL TB01RTN;                                            SRX01430
               CALL TB09RTN;                                            SRX01440
               CALL TB10RTN;                                            SRX01450
               CALL TB11RTN;                                            SRX01460
               CALL TB12RTN;                                            SRX01470
               CALL TB13RTN;                                            SRX01480
               CALL SENGGEBI;                                           SRX01490
               CALL BACKRTN;                                            SRX01500
           END;                                                         SRX01510
 /*****************************************************************/    SRX01520
HEADRTN:       PROCEDURE;                                               SRX01530
           PUT PAGE;                                                    SRX01540
           IF HED = 1  THEN DO;                                         SRX01550
           HEADA1 = 'WJSEHTL RKRUR ALC WLTNVY';                         SRX01560
           PP = 1;                                                      SRX01570
           CALL HEADSUB;                                                SRX01580
           GOTO ENDRTN;                                                 SRX01590
           END;                                                         SRX01600
           IF HED = 2  THEN DO;                                         SRX01610
           HEADA1 = 'DBQUF QNSTJRVY';                                   SRX01620
           PP=2;                                                        SRX01630
           CALL HEADSUB;                                                SRX01640
           GOTO ENDRTN;                                                 SRX01650
```

```
END;                                                                SRX01660
IF HED = 3  THEN DO;                                                SRX01670
HEADA1 = 'VNAAHRQUF QNSRJRVY';                                      SRX01680
PP=3;                                                               SRX01690
CALL HEADSUB;                                                       SRX01700
GO TO ENDRTN;                                                       SRX01710
END;                                                                SRX01720
IF HED = 4  THEN DO;                                                SRX01730
HEADA1 = 'THQLWK ANFRK WLTN (RUFRHKVY)';                            SRX01740
PP = 4;                                                             SRX01750
CALL HEADSUB;                                                       SRX01760
GOTO ENDRTN;                                                        SRX01770
END;                                                                SRX01780
IF HED = 5 THEN DO;                                                 SRX01790
HEADA1 = 'EHTLQUF WNDYTKDVNA THAKLRKRURVY';                         SRX01800
PP = 5;                                                             SRX01810
CALL HEADSUB;                                                       SRX01820
GOTO ENDRTN;                                                        SRX01830
END;                                                                SRX01840
IF HED = 6 THEN DO;                                                 SRX01850
HEADA1 = 'RLDUEH DYDIVY';                                           SRX01860
PP = 6;                                                             SRX01870
CALL HEADSUB;                                                       SRX01880
GOTO ENDRTN;                                                        SRX01890
END;                                                                SRX01900
IF HED = 7 THEN DO;                                                 SRX01910
HEADA1 = 'DNJF VUDRBS RKRURVY';                                     SRX01920
PP = 7;                                                             SRX01930
CALL HEADSUB;                                                       SRX01940
GOTO ENDRTN;                                                        SRX01950
END;                                                                SRX01960
IF HED = 8 THEN DO;                                                 SRX01970
HEADA1 = 'EHTLQUF VUDRBS RKRURVY';                                  SRX01980
PP = 8;                                                             SRX01990
CALL HEADSUB;                                                       SRX02000
GOTO ENDRTN;                                                        SRX02010
END;                                                                SRX02020
IF  HED = 9   THEN DO;                                              SRX02030
HEADA1 = 'QUSEHD VNAAHRVY';                                         SRX02040
PP = 9;                                                             SRX02050
CALL HEADSUB;                                                       SRX02060
GOTO ENDRTN;                                                        SRX02070
END;                                                                SRX02080
IF HED = 10 THEN DO;                                                SRX02090
HEADA1 = 'EHTLQUF RKRUR DYRULVY';                                   SRX02100
PP = 10;                                                            SRX02110
CALL HEADSUB;                                                       SRX02120
GOTO ENDRTN;                                                        SRX02130
END;                                                                SRX02140
IF HED = 11 THEN DO;                                                SRX02150
HEADA1 = 'THQLWK ANFRK EMDFKR VNAAHRVY';                            SRX02160
PP = 11;                                                            SRX02170
CALL HEADSUB;                                                       SRX02180
GOTO ENDRTN;                                                        SRX02190
END;                                                                SRX02200
```

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```
       HEADSUB:     PROCEDURE;                                                  SRX02210
            L50=50;                                                            SRX02220
           CALL HGBATCH (FUNC,RTC,HEADA1,L50,HEADHG,L50);                      SRX02230
           PUT SKIP(2) EDIT('TAB #',PP,HHG1,'1980 = 100')                      SRX02240
           (X(10),A,F(2),X(50),A(30),X(15),A);                                 SRX02250
           PUT SKIP(0) EDIT(HHG2)(X(67),A(30));                                SRX02260
           PUT SKIP(1) EDIT(HHG3,YY,MM)(X(67),A(30),X(10),F(2),                SRX02270
               X(4),F(2));                                                     SRX02280
      IF DAY = 5 THEN                                                          SRX02290
            CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,3,'CH TNS') ;           SRX02300
      ELSE  IF DAY = 15 THEN                                                   SRX02310
            CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,3,'WND TNS') ;          SRX02320
      ELSE  IF DAY = 25 THEN                                                   SRX02330
            CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,4,'GK TNS') ;           SRX02340
      ELSE  CALL HPUT3('OS',0,109,2,'SUS',6,2,'DNJF',4,4,'VUD RBS') ;          SRX02350
       PUT SKIP(1) EDIT('============================')(X(61),A);              SRX02360
       END  HEADSUB;                                                           SRX02370
       ENDRTN:                                                                 SRX02380
       END HEADRTN;                                                            SRX02390
/*************************************************************************/    SRX02400
       SRSRTN:    PROCEDURE;                                                   SRX02410
        IF MM = 1 THEN DO;                                                     SRX02420
          IF SN=1 THEN DO;                                                     SRX02430
          SRS1=SERSE-3;                                                        SRX02440
          SRS2=SERSE-5;                                                        SRX02450
          SRSB1=SERSE2-3;                                                      SRX02460
          SRSB2=SERSE2-5;                                                      SRX02470
         END;                                                                  SRX02480
        ELSE IF SN=4 THEN DO;                                                  SRX02490
          SRS1=SERSE-5;                                                        SRX02500
          SRSB1=SERSE2-5;                                                      SRX02510
          END;                                                                 SRX02520
        ELSE DO;                                                               SRX02530
         SRS1=SERSE-1;                                                         SRX02540
         SRS2=SERSE-5;                                                         SRX02550
         SRSB1=SERSE2-1;                                                       SRX02560
         SRSB2=SERSE2-5;                                                       SRX02570
         END;                                                                  SRX02580
       END;                                                                    SRX02590
      ELSE DO;                                                                 SRX02600
           IF SN = 1 THEN DO;                                                  SRX02610
               SRS1 = SERSE - 2;                                               SRX02620
               SRS2 = SERSE - 4;                                               SRX02630
               SRSB1 = SERSE2 - 2;                                             SRX02640
               SRSB2 = SERSE2 - 4;                                             SRX02650
             END;                                                              SRX02660
           ELSE IF SN = 4 THEN DO;                                             SRX02670
               SRS1 = SERSE - 4;                                               SRX02680
               SRSB1 = SERSE2 - 4;                                             SRX02690
             END;                                                              SRX02700
           ELSE DO;                                                            SRX02710
                SRS1 = SERSE - 1;                                              SRX02720
               SRS2 = SERSE - 4;                                               SRX02730
                SRSB1 = SERSE2 - 1;                                            SRX02740
                SRSB2 = SERSE2 - 4;                                            SRX02750
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          END;                                                                  SRX02760
       END;                                                                     SRX02770
        SRS3=97;                                                                SRX02780
        SRS4=SERSE-49;                                                          SRX02790
        SRSB3=48;                                                               SRX02800
        SRSB4=SERSE2-49;                                                        SRX02810
          END SRSRTN;                                                           SRX02820
/*************************************************************************/   SRX02830
TB01RTN:      PROCEDURE;                                                        SRX02840
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                                 SRX02850
          ON ENDFILE(ISAM) GOTO LAST01;                                         SRX02860
          HED= 1;                                                               SRX02870
          CALL HEADRTN;                                                         SRX02880
     CALL HPUT6('OS',2,1,26,'ZH  EM   VNA  AHR                ',               SRX02890
                        0,22,'TJ  DNF      QN  TKS       ',                    SRX02900
                        0,22,'EO   RN     DLS  CJS      ',                     SRX02910
                        0,21,'EO  WJS    RHKD   WN      ',                     SRX02920
                        0,22,'WJS   WN     CNS   CJS     ',                    SRX02930
                        0,18,'CJD   WN    WJS EH TL') ;                       SRX02940
       READRTN:                                                                 SRX02950
          DO I = 1 TO 10;                                                       SRX02960
             READ FILE(ISAM) INTO(ISAMREC);                                     SRX02970
       TPRC(I)= DEXPRICE(SERSE);                                                SRX02980
       TDEX(I)= DEX(SERSE);                                                     SRX02990
       TPRC(I)= TPRC(I)/100;                                                    SRX03000
       TDEX(I)= TDEX(I)/ 100;                                                   SRX03010
          END;                                                                  SRX03020
          CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HEADHG,L30);                        SRX03030
          PUT SKIP(3) EDIT(PUM,HHG1,(TDEX (I) DO I = 1 TO 10))                  SRX03040
                      (X(1),A,X(1),A(15), 10 (X(1),F(10,2)));                   SRX03050
          PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                                   SRX03060
          PUT SKIP(1) EDIT(HHG3)(X(7),A(15));                                   SRX03070
       PUT SKIP(1) EDIT((TPRC(I) DO I=1 TO 10))                                 SRX03080
            (X(22), 10(X(1), F(10,2)));                                         SRX03090
          GOTO READRTN;                                                         SRX03100
       LAST01:                                                                  SRX03110
          CLOSE FILE(ISAM);                                                     SRX03120
          END TB01RTN;                                                          SRX03130
/*************************************************************************/   SRX03140
TB02RTN:  PROCEDURE;                                                            SRX03150
          OPEN FILE(ISAM) SEQUENTIAL INPUT;                                     SRX03160
          ON ENDFILE(ISAM) GOTO LAST02;                                         SRX03170
          HED = 2;                                                              SRX03180
          SW=0;  I=0;  J=1;                                                     SRX03190
       READ2RTN:                                                                SRX03200
          READ     FILE(ISAM)  INTO(ISAMREC);                                   SRX03210
          IF SUBSTR(KEY,4,2)='99' THEN GOTO AA1;                                SRX03220
          IF SUBSTR(KEY,4,2)='88' THEN GOTO AA1;                                SRX03230
          GO TO READ2RTN;                                                       SRX03240
  AA1:                                                                          SRX03250
          I = I + 1;                                                            SRX03260
          IF  SW ¬= 1 THEN GOTO NEXT1;                                          SRX03270
          IF PUM ¬= SAVEPUM  THEN DO;                                           SRX03280
          YCODTB (J) = SAVEPUM;                                                 SRX03290
          YPUMHG (J) = SAVEHG;                                                  SRX03300
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          I = 1;                                                                SRX03310
              J = J + 1;                                                        SRX03320
              END;                                                              SRX03330
        NEXT1:                                                                  SRX03340
        TAB1 (1,J,I) = DEX (SERSE);                                             SRX03350
        TAB1 (2,J,I) = DEX (SRS1) ;                                             SRX03360
        TAB1 (3,J,I) = DEX (SRS2) ;                                             SRX03370
        TAB1 (4,J,I) = DEX (SRS3) ;                                             SRX03380
        TAB1 (5,J,I) = DEX (SRS4) ;                                             SRX03390
        TAB1 (6,J,I) = PUMWGT;                                                  SRX03400
        TAB1 (1,J,I) = TAB1 (1,J,I) / 100;                                      SRX03410
        TAB1 (2,J,I) = TAB1 (2,J,I) / 100;                                      SRX03420
        TAB1 (3,J,I) = TAB1 (3,J,I) / 100;                                      SRX03430
        TAB1 (4,J,I) = TAB1 (4,J,I) / 100;                                      SRX03440
        TAB1 (5,J,I) = TAB1 (5,J,I) / 100;                                      SRX03450
        TAB1 (6,J,I) = TAB1 (6,J,I) / 10;                                       SRX03460
            SAVEPUM = PUM;                                                      SRX03470
            SW = 1;              SAVEHG = HGCHAR;                               SRX03480
            GOTO READ2RTN;                                                      SRX03490
        LAST02:                                                                 SRX03500
            YCODTB (J) = SAVEPUM;                                               SRX03510
            YPUMHG (J) = SAVEHG;                                                SRX03520
            DO I = 1 TO 10;                                                     SRX03530
        CALL HEADRTN;                                                           SRX03540
        PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A);                        SRX03550
        CALL HPUT1('OS',0,9,10,DOSINAME(I)) ;                                   SRX03560
        PUT SKIP(2) EDIT('*-------------','-------------*',                     SRX03570
        '*---','---*','*----','----*')                                          SRX03580
        (X(23),A,X(11),A,X(5),A,X(16),A,X(12),A,X(9),A) ;                       SRX03590
        CALL HPUT3('OS',0,37,11,'  WL    TN  ',22,16,                         SRX03600
        '   EMD   FKR   DBF   ',21,9,' RL DU EH ') ;                            SRX03610
        CALL HPUT5('OS',2,2,4,'ZH  EM',3,4,'VNA  AHR',9,38,                     SRX03620
        '  RMA TNS   WJS TNS    WJSDNJFEHDTNS WJSSUSAKFDNJF WJSSUSEHDTNS',SRX03630
       1,35,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS ',         SRX03640
        1,34,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS') ;       SRX03650
              DO K = 1 TO 45;                                                   SRX03660
         IF TAB1(2,K,I)=0 THEN DO; D1=0; GOTO NA1; END;                         SRX03670
              D1 = (TAB1 (1,K,I) / TAB1 (2,K,I) - 1) * 100;                     SRX03680
NA1:                                                                            SRX03690
         IF TAB1(3,K,I)=0 THEN DO; D2=0; GOTO NA2 ; END;                        SRX03700
              D2 = (TAB1 (1,K,I) / TAB1 (3,K,I) - 1) * 100;                     SRX03710
NA2:                                                                            SRX03720
         IF TAB1(4,K,I)=0 THEN DO;  D3=0; GOTO NA3; END;                        SRX03730
              D3 = (TAB1 (1,K,I) / TAB1 (4,K,I) - 1) * 100;                     SRX03740
NA3:                                                                            SRX03750
         IF TAB1(5,K,I)=0 THEN DO; D4=0; GOTO NA4; END;                         SRX03760
              D4 = (TAB1 (1,K,I) / TAB1 (5,K,I) - 1) * 100;                     SRX03770
NA4:                                                                            SRX03780
         IF TAB1(2,45,I)=0 THEN DO;                                             SRX03790
         K1=0; GOTO NA5;                                                        SRX03800
         END;                                                                   SRX03810
                 K1 = ((TAB1 (1,K,I) - TAB1 (2,K,I)) * TAB1 (6,K,I))            SRX03820
                              / (TAB1 (2,45,I) * 10);                           SRX03830
NA5:                                                                            SRX03840
         IF TAB1(3,45,I)=0 THEN DO;                                             SRX03850
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       K2=0; GOTO NA6;                                                    SRX03860
       END;                                                               SRX03870
                 K2 = ((TAB1 (1,K,I) - TAB1 (3,K,I)) * TAB1 (6,K,I))      SRX03880
                           / (TAB1 (3,45,I) * 10);                        SRX03890
 NA6:                                                                     SRX03900
       IF TAB1(4,45,I)= 0 THEN DO;                                        SRX03910
       K3=0;  GOTO NA7;                                                   SRX03920
       END;                                                               SRX03930
                 K3 = ((TAB1 (1,K,I) - TAB1 (4,K,I)) * TAB1 (6,K,I))      SRX03940
                           / (TAB1 (4,45,I) * 10);                        SRX03950
 NA7:                                                                     SRX03960
       IF TAB1(5,45,I)=0 THEN DO;                                         SRX03970
       K4=0; GOTO NA8;                                                    SRX03980
       END;                                                               SRX03990
                 K4 = ((TAB1 (1,K,I) - TAB1 (5,K,I)) * TAB1 (6,K,I))      SRX04000
                           / (TAB1 (5,45,I) * 10);                        SRX04010
 NA8:                                                                     SRX04020
                 CALL HGBATCH (FUNC,RTC,YPUMHG (K),L30,HEADHG,L30);       SRX04030
                 PUT SKIP(2) EDIT(YCODTB (K),HHG1,TAB1 (1,K,I),           SRX04040
                        TAB1 (2,K,I),TAB1 (3,K,I),TAB1 (4,K,I),           SRX04050
                        TAB1 (5,K,I),D1,D2,D3,D4,K1,K2,K3,K4)             SRX04060
                       (X(2),F(5),X(2),A(15),X(5),F(6,2),X(1),F(6,2),     SRX04070
                        X(1),F(6,2),X(1),F(6,2),X(1),F(6,2),X(5),         SRX04080
                        F(5,1),X(1),F(5,1),X(1),F(5,1),X(1),F(5,1),       SRX04090
                    X(5),F(5,2),X(1),F(5,2),X(1),F(5,2),X(1),             SRX04100
                        F(5,2));                                          SRX04110
                 PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                      SRX04120
                 PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                      SRX04130
               END;                                                       SRX04140
               PUT  PAGE;                                                 SRX04150
           END;                                                           SRX04160
           CLOSE FILE(ISAM);                                              SRX04170
           K=1;                                                           SRX04180
           END TB02RTN;                                                   SRX04190
  /*****************************************************************/     SRX04200
 TB03RTN:      PROCEDURE;                                                SRX04210
           OPEN  FILE(ISAM) SEQUENTIAL  INPUT;                            SRX04220
           ON ENDFILE(ISAM) GOTO LAST03;                                  SRX04230
           DCL DOSI PIC '99' INIT(1);                                     SRX04240
           HED = 3;                                                       SRX04250
       READ3RTN:                                                          SRX04260
           READ     FILE(ISAM)  INTO(ISAMREC);                            SRX04270
           IF SUBSTR(KEY,6,2) = '01' THEN DO;                             SRX04280
       TAB2 (1,P,1) = DEX (SERSE);                                        SRX04290
       TAB2 (2,P,1) = DEX (SRS1);                                         SRX04300
       TAB2 (3,P,1) = DEX (SRS2);                                         SRX04310
       TAB2 (4,P,1) = DEX (SRS3);                                         SRX04320
       TAB2 (5,P,1) = DEX (SRS4);                                         SRX04330
       TAB2 (6,P,1) = PUMWGT ;                                            SRX04340
       TAB2 (1,P,1) = TAB2 (1,P,1) / 100;                                 SRX04350
       TAB2 (2,P,1) = TAB2 (2,P,1) / 100;                                 SRX04360
       TAB2 (3,P,1) = TAB2 (3,P,1) / 100;                                 SRX04370
       TAB2 (4,P,1) = TAB2 (4,P,1) / 100;                                 SRX04380
       TAB2 (5,P,1) = TAB2 (5,P,1) / 100;                                 SRX04390
       TAB2 (6,P,1) = TAB2 (6,P,1) / 10;                                  SRX04400
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          GOTO READ3RTN;                                                    SRX04410
          END;                                                              SRX04420
          IF SUBSTR(KEY,6,2) = '99' THEN DO;                                SRX04430
       TAB2 (1,P,2)= DEX (SERSE);                                           SRX04440
       TAB2 (2,P,2) = DEX (SRS1);                                           SRX04450
       TAB2 (3,P,2) = DEX (SRS2);                                           SRX04460
       TAB2 (4,P,2) = DEX (SRS3);                                           SRX04470
       TAB2 (5,P,2) = DEX (SRS4);                                           SRX04480
       TAB2 (6,P,2) = PUMWGT;                                               SRX04490
       TAB2 (1,P,2) = TAB2 (1,P,2) / 100;                                   SRX04500
       TAB2 (2,P,2) = TAB2 (2,P,2) / 100;                                   SRX04510
       TAB2 (3,P,2) = TAB2 (3,P,2) / 100;                                   SRX04520
       TAB2 (4,P,2) = TAB2 (4,P,2) / 100;                                   SRX04530
       TAB2 (5,P,2) = TAB2 (5,P,2) / 100;                                   SRX04540
       TAB2 (6,P,2) = TAB2 (6,P,2) / 10;                                    SRX04550
              PUMCODE (P) = PUM;                                            SRX04560
              PCODEHG (P) = HGCHAR;                                         SRX04570
              P = P + 1;                                                    SRX04580
              END;                                                          SRX04590
          GOTO READ3RTN;                                                    SRX04600
       LAST03:                                                              SRX04610
          DO I =  1 TO 2;                                                   SRX04620
        CALL HEADRTN;                                                       SRX04630
      PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                     SRX04640
      CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                              SRX04650
      PUT SKIP(2) EDIT('*-------------','------------*','*---','---*',      SRX04660
      '*-----','----*')(X(23),A,X(11),A,X(6),A,X(15),A,X(9),A,X(10),A) ;    SRX04670
      CALL HPUT3('OS',0,36,11,' WL      TN',22,15,' EMD    FKR    DBF   'SRX04680
      ,18,10,' RL DU EH  ') ;                                               SRX04690
      CALL HPUT5('OS',2,2,4,'ZH EM',3,4,'VNA  AHR',10,37,                   SRX04700
      'RMA   TNS  WJS  TNS   WJSDNJFEHDTNS WJSSUSAKFDNJF WJSSUSEHDTNS',2SRX04710
      ,34,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS',1,34SRX04720
      ,'QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS') ;        SRX04730
          DO K=1 TO 439;                                                    SRX04740
       IF TAB2(2,K,I)=0 THEN DO;                                            SRX04750
          D1=0; GOTO NB1; END;                                              SRX04760
                D1 = (TAB2 (1,K,I) / TAB2 (2,K,I) - 1) * 100;               SRX04770
 NB1:                                                                       SRX04780
       IF TAB2(3,K,I)=0 THEN DO; D2=0; GOTO NB2; END;                       SRX04790
                D2 = (TAB2 (1,K,I) / TAB2 (3,K,I) - 1) * 100;               SRX04800
NB2:                                                                        SRX04810
       IF TAB2(4,K,I)=0 THEN DO; D3=0; GOTO NB3; END;                       SRX04820
                D3 = (TAB2(1,K,I) / TAB2 (4,K,I) - 1) * 100;                SRX04830
NB3:                                                                        SRX04840
       IF TAB2(5,K,I)=0 THEN DO; D4=0; GOTO NB4; END;                       SRX04850
                D4 = (TAB2 (1,K,I) / TAB2 (5,K,I) - 1) * 100;               SRX04860
NB4:                                                                        SRX04870
            IF TAB2(2,439,I)=0 THEN DO; K1=0;  GOTO NB5; END;               SRX04880
                K1 = ((TAB2 (1,K,I) - TAB2 (2,K,I)) * TAB2 (6,K,I))         SRX04890
               / (TAB2(2,439,I)* 10);/* TOTAL 999 */                       SRX04900
NB5:                                                                        SRX04910
      IF TAB2(3,439,I)=0 THEN DO; K2=0; GOTO NB6; END;                      SRX04920
                K2 = ((TAB2 (1,K,I) - TAB2 (3,K,I)) * TAB2 (6,K,I))         SRX04930
                                  / (TAB2 (3,439,I) * 10);                  SRX04940
NB6:                                                                        SRX04950
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         IF TAB2(4,439,I)=0 THEN DO; K3=0; GOTO NB7; END;                SRX04960
              K3 = ((TAB2 (1,K,I) - TAB2 (4,K,I)) * TAB2 (6,K,I))        SRX04970
                                  / (TAB2 (4,439,I) * 10);               SRX04980
 NB7:                                                                    SRX04990
     IF TAB2(5,439,I)=0 THEN DO; K4=0; GOTO NB8; END;                    SRX05000
              K4 = ((TAB2 (1,K,I) - TAB2 (5,K,I)) * TAB2 (6,K,I))        SRX05010
                                  / (TAB2 (5,439,I) * 10);               SRX05020
 NB8:    L30=25;                                                         SRX05030
         CALL HGBATCH (FUNC,RTC,PCODEHG (K),L30,HEADHG,L30);             SRX05040
         PUT SKIP(2) EDIT(PUMCODE (K),HHG1,TAB2(1,K,I),                  SRX05050
             TAB2 (2,K,I),TAB2 (3,K,I),TAB2 (4,K,I),TAB2 (5,K,I),        SRX05060
             D1,D2,D3,D4,K1,K2,K3,K4)(X(2),F(5),X(2),A(15),X(2),         SRX05070
             F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),     SRX05080
             X(5),F(6,2),X(1),F(6,2),X(1),F(6,2),X(1),F(6,2),X(5),       SRX05090
             F(6,2),X(1),F(6,2),X(1),F(6,2),X(1),F(6,2));                SRX05100
         PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                             SRX05110
         PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                             SRX05120
         END;                                                            SRX05130
         PUT  PAGE;    DOSI=10;                                          SRX05140
       END;                                                              SRX05150
         CLOSE FILE(ISAM);                                               SRX05160
         K = 1;                                                          SRX05170
     END TB03RTN;                                                        SRX05180
   /*******************************************************************/ SRX05190
     TB04RTN:          PROCEDURE;                                        SRX05200
         OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                            SRX05210
         ON ENDFILE(ISAM)  GOTO LAST04;                                  SRX05220
         PUT  PAGE;   JYY=YY-1;  DOSI=1;                                 SRX05230
         K=0;                                                            SRX05240
         HED = 4;                                                        SRX05250
     READ4RTN:                                                           SRX05260
         READ FILE(ISAM)  INTO(ISAMREC);                                 SRX05270
         IF SUBSTR(KEY,6,2) = '01' THEN GO TO AA2;                       SRX05280
         IF SUBSTR(KEY,6,2) = '99' THEN GO TO AA2;                       SRX05290
         GOTO READ4RTN;                                                  SRX05300
 AA2:                                                                    SRX05310
         DO  I = 1 TO 21;                                                SRX05320
         IF  PUM = PCOD4 (I)  THEN  GOTO  NEXT4;                         SRX05330
         END;                                                            SRX05340
         GO TO READ4RTN;                                                 SRX05350
     NEXT4:                                                              SRX05360
         IF SUBSTR(KEY,6,2) = '01' THEN DO;                              SRX05370
         TAB4 (1,I,1) = DEX (SERSE);                                     SRX05380
         TAB4 (2,I,1) = DEX (SRS1) ;                                     SRX05390
         TAB4 (3,I,1) = DEX (SRS2) ;                                     SRX05400
         TAB4 (4,I,1) = DEX (SRS3) ;                                     SRX05410
         TAB4 (5,I,1) = DEX (SRS4) ;                                     SRX05420
         TAB4 (1,I,3) = DEX (SERSE2);                                    SRX05430
         TAB4 (2,I,3) = DEX (SRSB1) ;                                    SRX05440
         TAB4 (3,I,3) = DEX (SRSB2) ;                                    SRX05450
         TAB4 (4,I,3) = DEX (SRSB3) ;                                    SRX05460
         TAB4 (5,I,3) = DEX (SRSB4) ;                                    SRX05470
         TAB4 (6,I,1) = PUMWGT;                                          SRX05480
         TAB4(1,I,1)=TAB4(1,I,1) / 100;                                  SRX05490
         TAB4(2,I,1)=TAB4(2,I,1) / 100;                                  SRX05500
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      TAB4(3,I,1)=TAB4(3,I,1) / 100;                                    SRX05510
      TAB4(4,I,1)=TAB4(4,I,1) / 100;                                    SRX05520
      TAB4(5,I,1)=TAB4(5,I,1) / 100;                                    SRX05530
      TAB4(1,I,3) = TAB4(1,I,3) / 100;                                  SRX05540
      TAB4(2,I,3) = TAB4(2,I,3) / 100;                                  SRX05550
      TAB4(3,I,3) = TAB4(3,I,3) / 100;                                  SRX05560
      TAB4(4,I,3) = TAB4(4,I,3) / 100;                                  SRX05570
      TAB4(5,I,3) = TAB4(5,I,3) / 100;                                  SRX05580
      TAB4(6,I,1)=TAB4(6,I,1)/10;                                       SRX05590
      HGTB4 (I) = HGCHAR;                                               SRX05600
      GO TO READ4RTN;                                                   SRX05610
      END;                                                              SRX05620
 ELSE     TAB4 (1,I,2) = DEX (SERSE);                                   SRX05630
          TAB4 (2,I,2) = DEX (SRS1) ;                                   SRX05640
          TAB4 (3,I,2) = DEX (SRS2) ;                                   SRX05650
          TAB4 (4,I,2) = DEX (SRS3) ;                                   SRX05660
          TAB4 (5,I,2) = DEX (SRS4) ;                                   SRX05670
          TAB4 (6,I,2) = PUMWGT;                                        SRX05680
          TAB4 (1,I,4) = DEX (SERSE2);                                  SRX05690
          TAB4 (2,I,4) = DEX (SRSB1) ;                                  SRX05700
          TAB4 (3,I,4) = DEX (SRSB2) ;                                  SRX05710
          TAB4 (4,I,4) = DEX (SRSB3) ;                                  SRX05720
      TAB4(5,I,4) = DEX (SRSB4);                                        SRX05730
      TAB4(1,I,2)= TAB4(1,I,2) / 100;                                   SRX05740
      TAB4(2,I,2)= TAB4(2,I,2) / 100;                                   SRX05750
      TAB4(3,I,2)= TAB4(3,I,2) / 100;                                   SRX05760
      TAB4(4,I,2)= TAB4(4,I,2) / 100;                                   SRX05770
      TAB4(5,I,2)= TAB4(5,I,2) / 100;                                   SRX05780
      TAB4(6,I,2)= TAB4(6,I,2) / 10;                                    SRX05790
      TAB4(1,I,4) = TAB4(1,I,4) / 100;                                  SRX05800
      TAB4(2,I,4) = TAB4(2,I,4) / 100;                                  SRX05810
      TAB4(3,I,4) = TAB4(3,I,4) / 100;                                  SRX05820
      TAB4(4,I,4) = TAB4(4,I,4) / 100;                                  SRX05830
      TAB4(5,I,4) = TAB4(5,I,4) / 100;                                  SRX05840
                  GOTO READ4RTN;                                        SRX05850
 LAST04:                                                                SRX05860
     DO J = 1 TO 2;                                                     SRX05870
   CALL HEADRTN;                                                        SRX05880
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                       SRX05890
CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                                SRX05900
PUT SKIP(2) EDIT('*------------------ ',YY,MM,' -------------------*',  SRX05910
'*------------------ ',JYY,MM,' -------------------*')                  SRX05920
(X(30),A,F(2),X(4),F(2),X(3),A,X(5),A,F(2),X(4),F(2),X(3),A) ;          SRX05930
CALL HPUT4('OS',0,50,2,'SUS',4,2,'DNJF',43,2,'SUS',4,2,'DNJF') ;        SRX05940
CALL HPUT3('OS',2,0,28,' ZH  EM    VNA  AHR          RKWNDCL ',       SRX05950
3,42,'   ¬*¬ WL      TN ¬*¬         ¬*¬ EMD    FKR     DBF ¬*¬',       SRX05960
5,42,'   ¬*¬ WL      TN ¬*¬         ¬*¬ EMD    FKR     DBF ¬*¬');      SRX05970
CALL HPUT4('OS',2,33,13,'RMA  TNS    WJS  TNS',1,35,                   SRX05980
' QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS',1,13,       SRX05990
'RMA  TNS    WJS  TNS',1,35,                                            SRX06000
' QLWJSTNS QLWJSDNJFEHDTNS QLWJSSUSAKFDNJF QLWJSSUSEHDTNS') ;           SRX06010
     K=J + 2;                                                           SRX06020
       DO I = 1 TO 21;                                                  SRX06030
     IF TAB4(2,I,J)=0 THEN DO; D1=0; GOTO NC1; END;                     SRX06040
         D1 = (TAB4 (1,I,J) / TAB4 (2,I,J) -1) * 100;                   SRX06050
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      NC1:                                                                  SRX06060
          IF TAB4(3,I,J)=0 THEN DO; D2=0; GOTO NC2; END;                    SRX06070
              D2 = (TAB4 (1,I,J) / TAB4 (3,I,J) -1) * 100;                  SRX06080
      NC2:                                                                  SRX06090
          IF TAB4(4,I,J)=0 THEN DO; D3=0; GOTO NC3; END;                    SRX06100
              D3 = (TAB4 (1,I,J) / TAB4 (4,I,J) -1) * 100;                  SRX06110
      NC3:                                                                  SRX06120
          IF TAB4(5,I,J)=0 THEN DO; D4=0; GOTO NC4; END;                    SRX06130
              D4 = (TAB4 (1,I,J) / TAB4 (5,I,J) -1) * 100;                  SRX06140
      NC4:                                                                  SRX06150
          IF TAB4(2,I,K)=0 THEN DO; K1=0; GOTO NC5; END;                    SRX06160
              K1 = (TAB4 (1,I,K) / TAB4 (2,I,K) -1) * 100;                  SRX06170
      NC5:                                                                  SRX06180
          IF TAB4(3,I,K)=0 THEN DO; K2=0; GOTO NC6; END;                    SRX06190
              K2 = (TAB4 (1,I,K) / TAB4 (3,I,K) -1) * 100;                  SRX06200
      NC6:                                                                  SRX06210
          IF TAB4(4,I,K)=0 THEN DO; K3=0; GOTO NC7; END;                    SRX06220
              K3 = (TAB4 (1,I,K) / TAB4 (4,I,K) -1) * 100;                  SRX06230
      NC7:                                                                  SRX06240
          IF TAB4(5,I,K)=0 THEN DO; K4=0; GOTO NC8; END;                    SRX06250
              K4 = (TAB4 (1,I,K) / TAB4 (5,I,K) -1) * 100;                  SRX06260
      NC8:                                                                  SRX06270
          CALL HGBATCH (FUNC,RTC,HGTB4 (I),L30,HEADHG,L30);                 SRX06280
          PUT SKIP(2) EDIT(PCOD4 (I),HHG1,TAB4 (6,I,J),TAB4 (1,I,J),        SRX06290
                      TAB4 (2,I,J),D1,D2,D3,D4,TAB4 (1,I,K),                SRX06300
                      TAB4 (2,I,K),K1,K2,K3,K4)(X(1),F(5),X(1),A(15),       SRX06310
                      X(1),F(6,1),X(3),                                     SRX06320
                      F(6,1),X(1),F(6,1),X(5),F(5,1),X(2),F(5,1),X(2),      SRX06330
                      F(5,1),X(2),F(5,1),X(6),F(6,1),X(2),F(6,1),X(5),      SRX06340
                      F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2));          SRX06350
          PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                               SRX06360
          PUT SKIP(1) EDIT(HHG3)(X(7),A(15));                               SRX06370
          END;                                                              SRX06380
          PUT PAGE;   DOSI=10;                                              SRX06390
        END;                                                                SRX06400
          CLOSE FILE(ISAM);                                                 SRX06410
      END TB04RTN;                                                          SRX06420
 /*********************************************************************/    SRX06430
  TB06RTN:    PROCEDURE;                                                    SRX06440
      DCL MARGIN   FLOAT;                                                   SRX06450
      HED  = 8;                                                             SRX06460
      CALL HEADRTN;                                                         SRX06470
     CALL HPUT2('OS',2,0,39,'          ZH  EM      VNA  AHR          EHSRX06480
TL',0,59,'       WJS  TNS          RMA    TNS           CK  DOR        SRX06490
QL RH') ;                                                                   SRX06500
          OPEN     FILE(ISAM)  SEQUENTIAL  INPUT;                         SRX06510
          ON ENDFILE(ISAM)  GOTO LAST05RTN;                                 SRX06520
      READ6RTN:                                                             SRX06530
          READ  FILE(ISAM)   INTO(ISAMREC);                                 SRX06540
          IF  SUBSTR(KEY,4,2) = '99' THEN GOTO READ6RTN;                    SRX06550
          IF  SUBSTR(KEY,4,2) = '88' THEN GOTO READ6RTN;                    SRX06560
          TPRC(1)=DEXPRICE(SERSE);                                          SRX06570
          TPRC(2)=DEXPRICE(SRS1);                                           SRX06580
          TPRC(1) = TPRC(1) / 100;                                          SRX06590
          TPRC(2) = TPRC(2) / 100;                                          SRX06600
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          MARGIN=TPRC(1) - TPRC(2);                                          SRX06610
          IF SUBSTR(KEY,6,2) = '01' THEN DO;                                 SRX06620
          CALL HGBATCH(FUNC,RTC,HGCHAR,L30,HEADHG,L30);                      SRX06630
          PUT SKIP(2) EDIT(HHG1)(X(20),A(15));                               SRX06640
          PUT SKIP(0) EDIT(HHG2)(X(20),A(15));                               SRX06650
          PUT SKIP(1) EDIT(PUM,HHG3,KEY1,TPRC(2),TPRC(1),MARGIN)             SRX06660
                 (X(10),F(5),X(5),A(15),X(1),F(2),X(5),F(10,2),              SRX06670
                  X(5),F(10,2),X(5),F(10,2));                                SRX06680
          GO TO READ6RTN;                                                    SRX06690
          END;                                                               SRX06700
      ELSE                                                                   SRX06710
          PUT SKIP(2) EDIT(KEY1,TPRC(2),TPRC(1),MARGIN)                      SRX06720
                          (X(36),F(2),X(5),F(10,2),X(5),F(10,2),             SRX06730
                           X(5),F(10,2));                                    SRX06740
          GOTO       READ6RTN;                                               SRX06750
      LAST05RTN:                                                             SRX06760
          CLOSE FILE(ISAM);                                                  SRX06770
          END TB06RTN;                                                       SRX06780
 /*************************************************************************/ SRX06790
  TB07RTN:          PROCEDURE;                                               SRX06800
     DCL PRC71 FLOAT;                                                        SRX06810
     DCL PRC72 FLOAT;                                                        SRX06820
     DCL DEX71 FLOAT;                                                        SRX06830
     DCL DEX72 FLOAT;                                                        SRX06840
          HED = 11; PUT PAGE;                                                SRX06850
      CALL HEADRTN;                                                          SRX06860
      HEADA1='TJDNF';  /* HAN-KUL */                                         SRX06870
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,HEADHG,L30);                          SRX06880
      PUT SKIP(2) EDIT(HHG1)(X(15),A(10));                                   SRX06890
      PUT SKIP(0) EDIT(HHG2)(X(15),A(10));                                   SRX06900
      PUT SKIP(1) EDIT(HHG3)(X(15),A(10));                                   SRX06910
CALL HPUT2('OS',2,0,32,'     ZH  EM      VNA    AHR      RLDUEH',8,42,      SRX06920
'RMA     TNS     WJS    TNS          EMDFKRDBF     RLDUEH') ;                SRX06930
          OPEN  FILE(ISAM)   DIRECT INPUT;                                   SRX06940
          DO I = 1 TO 2;                                                     SRX06950
            NOMI = NOMIKEY (I);                                              SRX06960
          ON KEY(ISAM) BEGIN;                                                SRX06970
          IF ONCODE=51 THEN PUT SKIP EDIT(NOMI)(X(5),F(7));                  SRX06980
          END;                                                               SRX06990
            READ FILE(ISAM) KEY(NOMI) INTO(ISAMREC);                         SRX07000
            TOTDEX1(I) = DEX (SRS1);                                         SRX07010
          END;                                                               SRX07020
          CLOSE  FILE(ISAM);                                                 SRX07030
          OPEN  FILE(ISAM) SEQUENTIAL  INPUT;                                SRX07040
          ON  ENDFILE(ISAM)  GOTO LAST07RTN;                                 SRX07050
              CITY = 01;                                                     SRX07060
              INDEX1= 1;                                                     SRX07070
      READ07RTN:                                                             SRX07080
          READ  FILE(ISAM)  INTO(ISAMREC),                                   SRX07090
          PRC71 = DEXPRICE(SERSE);                                           SRX07100
          PRC72 = DEXPRICE(SRS1);                                            SRX07110
          PRC71 = PRC71/100;                                                 SRX07120
          PRC72 = PRC72/100;                                                 SRX07130
          DEX71 =DEX(SERSE);                                                 SRX07140
          DEX72 = DEX(SRS1);                                                 SRX07150
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          DEX71 = DEX71 / 100;                                                  SRX07160
          DEX72 = DEX72 /100;                                                   SRX07170
          D2=PUMWGT;  D2=D2/10;                                                 SRX07180
          IF  SUBSTR(KEY,4,2) = '99' THEN GOTO READ07RTN;                       SRX07190
          IF  SUBSTR(KEY,4,2) = '88' THEN GOTO READ07RTN;                       SRX07200
          IF  KEY1 ¬= CITY  THEN GOTO READ07RTN;                                SRX07210
          MARGIN1 = PRC71 - PRC72;                                              SRX07220
          IF  MARGIN1 = 0 THEN  GOTO  READ07RTN;                                SRX07230
          D1 =(PRC71 / PRC72 -1)* 100;                                          SRX07240
          K1 = ((DEX71 - DEX72) *  PUMWGT)                                      SRX07250
                  / (TOTDEX1(INDEX1) * 10);                                     SRX07260
          CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HEADHG,L30);                        SRX07270
          PUT SKIP(2) EDIT(PUM,HHG1,D2,PRC71,                                   SRX07280
              PRC72,D1,K1)(X(5),F(5),X(5),A(10),X(2),F(5,1),                    SRX07290
              X(5),F(10,2),X(2),F(10,2),X(8),F(5,2),X(5),F(4,2));               SRX07300
          PUT SKIP(0) EDIT(HHG2)(X(15),A(10));                                  SRX07310
          PUT SKIP(1) EDIT(HHG3)(X(15),A(10));                                  SRX07320
          GO TO  READ07RTN;                                                     SRX07330
     LAST07RTN:                                                                 SRX07340
          CLOSE  FILE(ISAM);                                                    SRX07350
          OPEN   FILE(ISAM)  SEQUENTIAL INPUT;                                  SRX07360
          ON ENDFILE(ISAM)  GO TO CLOSERTN;                                     SRX07370
          PUT PAGE;                                                             SRX07380
          HEADA1 = 'WJSEHTL';                                                   SRX07390
          CALL HGBATCH(FUNC,RTC,HEADA1,L30,HEADHG,L30);                         SRX07400
          PUT SKIP(2) EDIT(HHG1)(X(15),A(10));                                  SRX07410
          PUT SKIP(0) EDIT(HHG2)(X(15),A(10));                                  SRX07420
          PUT SKIP(1) EDIT(HHG3)(X(15),A(10));                                  SRX07430
          CITY = 99;                                                            SRX07440
          INDEX1 = 2;                                                           SRX07450
          GOTO READ07RTN;                                                       SRX07460
     CLOSERTN:                                                                  SRX07470
          CLOSE  FILE(ISAM);                                                    SRX07480
          END  TB07RTN;                                                         SRX07490
/*************************************************************************/SRX07500
 TB09RTN:    PROCEDURE;                                                        SRX07510
          OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                                  SRX07520
          ON  ENDFILE(ISAM)  GO TO LAST09RTN;                                   SRX07530
          I= 0;                                                                 SRX07540
          SW = 0;                                                               SRX07550
          J = 1 ;                                                               SRX07560
          HED = 2;                                                              SRX07570
     READ9RTN:                                                                  SRX07580
          READ     FILE(ISAM)  INTO(ISAMREC);                                   SRX07590
          IF SUBSTR(KEY,4,2) = '99' THEN GOTO CC;                               SRX07600
          IF SUBSTR(KEY,4,2) = '88' THEN GOTO CC;                               SRX07610
          GOTO READ9RTN;                                                        SRX07620
     CC:                                                                        SRX07630
          I = I + 1;                                                            SRX07640
          IF SW ¬= 1  THEN  GOTO  NEXT91;                                       SRX07650
          IF  PUM ¬= SAVEPUM  THEN DO;                                          SRX07660
              YCODTB (J) = SAVEPUM;                                             SRX07670
              YPUMHG (J) = SAVEHG;                                              SRX07680
          I = 1;                                                                SRX07690
              J = J + 1;                                                        SRX07700
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          END;                                                                  SRX07710
       NEXT91:                                                                  SRX07720
          TAB1(1,J,I)=DEX(SERSE);                                               SRX07730
          TAB1(2,J,I)=DEX(SRS1);                                                SRX07740
          TAB1(3,J,I)=DEX(SRS3);                                                SRX07750
          TAB1(4,J,I)=DEX(SRS4);                                                SRX07760
          TAB1(5,J,I)=PUMWGT;                                                   SRX07770
          TAB1(1,J,I)=TAB1(1,J,I)/100;                                          SRX07780
          TAB1(2,J,I)=TAB1(2,J,I)/100;                                          SRX07790
          TAB1(3,J,I)=TAB1(3,J,I)/100;                                          SRX07800
          TAB1(4,J,I)=TAB1(4,J,I)/100;                                          SRX07810
          TAB1(5,J,I) = TAB1(5,J,I)  / 10;                                      SRX07820
          SAVEPUM = PUM;                                                        SRX07830
          SAVEHG = HGCHAR;                                                      SRX07840
          SW = 1;                                                               SRX07850
          GOTO READ9RTN;                                                        SRX07860
       LAST09RTN:                                                               SRX07870
          YCODTB (J) = SAVEPUM;                                                 SRX07880
          YPUMHG (J) = SAVEHG;                                                  SRX07890
          DO  I =  1  TO 10;                                                    SRX07900
         CALL HEADRTN;                                                          SRX07910
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                               SRX07920
CALL HPUT1('OS',0,9,10,DOSINAME(I)) ;                                           SRX07930
PUT SKIP(2) EDIT('*----------','----------*','*---','---*','*-----',           SRX07940
'---*') (X(28),A,X(11),A,X(6),A,X(15),A,X(5),A,X(10),A) ;                       SRX07950
CALL HPUT3('OS',0,40,11,' WL      TN',22,15,' EMD    FKR     DBF',            SRX07960
14,10,' RL DU EH  ') ;                                                          SRX07970
CALL HPUT5('OS',2,2,4,'ZH  EM',3,4,'VNA  AHR',18,31,'RMA  DNJF  WJS DNJSRX07980
F  WJSSUSAKFDNJF WJSSUSEHDDNJF',5,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS',SRX07990
7,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS') ;                                       SRX08000
            DO  K = 1 TO 45;                                                    SRX08010
          IF TAB1(2,K,I)=0 THEN DO; D1=0; GOTO ND1; END;                        SRX08020
             D1 = (TAB1 (1,K,I) / TAB1 (2,K,I) -1) * 100;                       SRX08030
       ND1:                                                                     SRX08040
          IF TAB1(3,K,I)=0 THEN DO; D2=0; GOTO ND2; END;                        SRX08050
             D2 = (TAB1 (1,K,I) / TAB1 (3,K,I) -1) * 100;                       SRX08060
       ND2:                                                                     SRX08070
          IF TAB1(4,K,I)=0 THEN DO; D3=0; GOTO ND3; END;                        SRX08080
             D3 = (TAB1 (1,K,I) / TAB1 (4,K,I) -1) * 100;                       SRX08090
       ND3:                                                                     SRX08100
          IF TAB1(2,45,I)=0 THEN DO; K1=0; GOTO ND4; END;                       SRX08110
             K1 = ((TAB1 (1,K,I) - TAB1(2,K,I)) * TAB1 (5,K,I))                 SRX08120
                        / (TAB1 (2,45,I) * 10);                                 SRX08130
       ND4:                                                                     SRX08140
          IF TAB1(3,45,I)=0 THEN DO; K2=0; GOTO ND5; END;                       SRX08150
             K2 = ((TAB1 (1,K,I) - TAB1 (3,K,I)) * TAB1 (5,K,I))                SRX08160
                        / (TAB1 (3,45,I) * 10);                                 SRX08170
       ND5:                                                                     SRX08180
          IF TAB1(4,45,I)=0 THEN DO; K3=0; GOTO ND6; END;                       SRX08190
             K3 = ((TAB1 (1,K,I) - TAB1 (4,K,I)) * TAB1 (5,K,I))                SRX08200
                        / (TAB1 (4,45,I) * 10);                                 SRX08210
       ND6:                                                                     SRX08220
           CALL HGBATCH (FUNC,RTC,YPUMHG (K),L30,HEADHG,L30);                   SRX08230
          PUT SKIP(2) EDIT(YCODTB (K),HHG1,TAB1 (1,K,I),                        SRX08240
             TAB1 (2,K,I),TAB1 (3,K,I),TAB1 (4,K,I),D1,D2,                      SRX08250
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                D3,K1,K2,K3)(X(2),F(5),X(2),A(20),X(2),F(6,2),          SRX08260
                X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(7),F(5,1),        SRX08270
                X(2),F(5,1),X(2),F(5,1),X(7),F(5,2),X(2),F(5,2),        SRX08280
                X(2),F(5,2));                                           SRX08290
            PUT SKIP(0) EDIT(HHG2)(X(9),A(20));                         SRX08300
            PUT SKIP(1) EDIT(HHG3)(X(9),A(20));                         SRX08310
            END;                                                        SRX08320
            PUT PAGE;                                                   SRX08330
        END;                                                            SRX08340
            CLOSE  FILE(ISAM);                                          SRX08350
            K = 1;                                                      SRX08360
        END TB09RTN;                                                    SRX08370
 /*************************************************************************/ SRX08380
 TB10RTN:       PROCEDURE;                                              SRX08390
            OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                        SRX08400
            ON  ENDFILE(ISAM)  GOTO LAST10RTN;                          SRX08410
            P=1;                                                        SRX08420
            HED = 3;  DOSI=1;                                           SRX08430
        READ10RTN:                                                      SRX08440
            READ     FILE(ISAM)   INTO(ISAMREC);                        SRX08450
            IF SUBSTR(KEY,6,2) = '01' THEN DO;                          SRX08460
            TAB2(1,P,1) = DEX (SERSE);                                  SRX08470
            TAB2(2,P,1) = DEX (SRS1);                                   SRX08480
            TAB2(3,P,1) = DEX (SRS3);                                   SRX08490
            TAB2(4,P,1) = DEX (SRS4);                                   SRX08500
            TAB2(5,P,1) = PUMWGT;                                       SRX08510
            TAB2(1,P,1) = TAB2(1,P,1) / 100;                            SRX08520
            TAB2(2,P,1) = TAB2(2,P,1) / 100;                            SRX08530
            TAB2(3,P,1) = TAB2(3,P,1) / 100;                            SRX08540
            TAB2(4,P,1) = TAB2(4,P,1) / 100;                            SRX08550
            TAB2(5,P,1) = TAB2(5,P,1) / 10;                             SRX08560
                GO TO READ10RTN;                                        SRX08570
                END;                                                    SRX08580
            IF SUBSTR(KEY,6,2) = '99' THEN DO;                          SRX08590
            TAB2(1,P,2) = DEX(SERSE);                                   SRX08600
            TAB2(2,P,2) = DEX(SRS1);                                    SRX08610
            TAB2(3,P,2) = DEX(SRS3);                                    SRX08620
            TAB2(4,P,2) = DEX(SRS4);                                    SRX08630
            TAB2(5,P,2) = PUMWGT;                                       SRX08640
            TAB2(1,P,2) = TAB2(1,P,2) / 100;                            SRX08650
            TAB2(2,P,2) = TAB2(2,P,2) / 100;                            SRX08660
            TAB2(3,P,2) = TAB2(3,P,2) / 100;                            SRX08670
            TAB2(4,P,2) = TAB2(4,P,2) / 100;                            SRX08680
            TAB2(5,P,2) = TAB2(5,P,2) / 10;                             SRX08690
                PUMCODE (P) = PUM;                                      SRX08700
                PCODEHG (P) = HGCHAR;                                   SRX08710
                P = P + 1;                                              SRX08720
                END;                                                    SRX08730
            GO TO READ10RTN;                                            SRX08740
        LAST10RTN:                                                      SRX08750
            DO  I = 1 TO 2;                                             SRX08760
         CALL HEADRTN;                                                  SRX08770
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                       SRX08780
CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                                SRX08790
PUT SKIP(2) EDIT('*----------','----------*','*---','---*','*-----',   SRX08800
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'---*') (X(28),A,X(11),A,X(6),A,X(15),A,X(5),A,X(10),A) ;                    SRX08810
CALL HPUT3('OS',0,40,11,' WL      TN',22,15,' EMD    FKR     DBF',          SRX08820
14,10,' RL DU EH  ') ;                                                       SRX08830
CALL HPUT5('OS',2,2,4,'ZH  EM',3,4,'VNA  AHR',18,31,'RMA  DNJF  WJS DNJSRX08840
F  WJSSUSAKFDNJF WJSSUSEHDDNJF',5,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS',SRX08850
7,23,'QLWJSDNJF QLWJSSUSAKF QL1SUSWJS') ;                                    SRX08860
             DO K = 1 TO 439;                                                SRX08870
          IF TAB2(2,K,I)=0 THEN DO; D1=0; GOTO NE1; END;                     SRX08880
             D1 = (TAB2 (1,K,I) / TAB2 (2,K,I) -1) * 100;                    SRX08890
      NE1:                                                                   SRX08900
          IF TAB2(3,K,I)=0 THEN DO; D2=0; GOTO NE2; END;                     SRX08910
             D2 = (TAB2 (1,K,I) / TAB2 (3,K,I) - 1) * 100;                   SRX08920
      NE2:                                                                   SRX08930
          IF TAB2(4,K,I)=0 THEN DO; D3=0; GOTO NE3; END;                     SRX08940
             D3 = (TAB2 (1,K,I) / TAB2 (4,K,I) - 1) * 100;                   SRX08950
      NE3:                                                                   SRX08960
          IF TAB2(2,439,I)=0 THEN DO; K1=0; GOTO NE4; END;                   SRX08970
             K1 = ((TAB2 (1,K,I) - TAB2 (2,K,I)) * TAB2 (5,K,I))             SRX08980
          / (TAB2(2,439,I) * 10);   /* ORIGIANAL  */                       SRX08990
      NE4:                                                                   SRX09000
          IF TAB2(3,439,I)=0 THEN DO; K2=0; GOTO NE5; END;                   SRX09010
             K2 = ((TAB2 (1,K,I) - TAB2 (3,K,I)) * TAB2 (5,K,I))             SRX09020
                          / (TAB2 (3,439,I) * 10);                           SRX09030
      NE5:                                                                   SRX09040
          IF TAB2(4,439,I)=0 THEN DO; K3=0; GOTO NE6; END;                   SRX09050
             K3 = ((TAB2 (1,K,I) - TAB2 (4,K,I)) * TAB2 (5,K,I))             SRX09060
                          / (TAB2 (4,439,I) * 10);                           SRX09070
      NE6:                                                                   SRX09080
          CALL HGBATCH (FUNC,RTC,PCODEHG (K),L8,HEADHG,L8);                  SRX09090
          PUT SKIP(2) EDIT(PUMCODE (K),HHG1,TAB2 (1,K,I),                    SRX09100
              TAB2 (2,K,I),TAB2 (3,K,I),TAB2 (4,K,I),D1,D2,D3,               SRX09110
              K1,K2,K3)(X(2),F(5),X(2),A(15),X(2),F(6,2),X(2),               SRX09120
              F(6,2),X(2),F(6,2),X(2),F(6,2),X(5),F(6,2),X(2),               SRX09130
              F(6,2),X(2),F(6,2),X(5),F(6,2),X(2),F(6,2),X(2),               SRX09140
              F(6,2));                                                       SRX09150
          PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                                SRX09160
          PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                                SRX09170
          END;                                                               SRX09180
          PUT PAGE; DOSI=10;                                                 SRX09190
      END;                                                                   SRX09200
          CLOSE FILE(ISAM);                                                  SRX09210
          K = 1;                                                             SRX09220
        END TB10RTN;                                                         SRX09230
 /*********************************************************************/     SRX09240
TB11RTN:      PROCEDURE;                                                     SRX09250
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                              SRX09260
          ON ENDFILE(ISAM)   GOTO LAST11RTN;                                 SRX09270
          K = 0;     JYY=YY-1;                                               SRX09280
          HED = 4;   DOSI=1;                                                 SRX09290
      READ11RTN:                                                             SRX09300
          READ  FILE(ISAM) INTO(ISAMREC);                                    SRX09310
          IF SUBSTR(KEY,6,2) = '01' THEN GOTO BB;                            SRX09320
          IF SUBSTR(KEY,6,2) = '99' THEN GOTO BB;                            SRX09330
          GOTO READ11RTN;                                                    SRX09340
      BB:                                                                    SRX09350
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          DO  I = 1 TO 21;                                                    SRX09360
          IF  PUM = PCOD4 (I) THEN  GO TO NEXT114;                            SRX09370
          END;                                                                SRX09380
          GOTO READ11RTN;                                                     SRX09390
       NEXT114:                                                               SRX09400
          IF SUBSTR(KEY,6,2) = '01' THEN DO;                                  SRX09410
          TAB4 (1,I,1) = DEX (SERSE);                                         SRX09420
          TAB4 (2,I,1) = DEX (SRS1) ;                                         SRX09430
          TAB4 (3,I,1) = DEX (SRS3) ;                                         SRX09440
          TAB4 (4,I,1) = DEX (SRS4) ;                                         SRX09450
          TAB4 (5,I,1) = PUMWGT     ;                                         SRX09460
          TAB4(1,I,1) = TAB4(1,I,1) / 100;                                    SRX09470
          TAB4(2,I,1) = TAB4(2,I,1) / 100;                                    SRX09480
          TAB4(3,I,1) = TAB4(3,I,1) / 100;                                    SRX09490
          TAB4(4,I,1) = TAB4(4,I,1) / 100;                                    SRX09500
          TAB4(5,I,1) = TAB4(5,I,1) / 10;                                     SRX09510
          TAB4 (1,I,3) = DEX (SERSE2);                                        SRX09520
          TAB4 (2,I,3) = DEX (SRSB1) ;                                        SRX09530
          TAB4 (3,I,3) = DEX (SRSB3) ;                                        SRX09540
          TAB4 (4,I,3) = DEX (SRSB4) ;                                        SRX09550
          TAB4(1,I,3) = TAB4(1,I,3) / 100;                                    SRX09560
          TAB4(2,I,3) = TAB4(2,I,3) / 100;                                    SRX09570
          TAB4(3,I,3) = TAB4(3,I,3) / 100;                                    SRX09580
          TAB4(4,I,3) = TAB4(4,I,3) / 100;                                    SRX09590
          HGTB4 (I) = HGCHAR;                                                 SRX09600
          GO TO READ11RTN;                                                    SRX09610
          END;                                                                SRX09620
       ELSE                                                                   SRX09630
          TAB4 (1,I,2) = DEX (SERSE);                                         SRX09640
          TAB4 (2,I,2) = DEX (SRS1) ;                                         SRX09650
          TAB4 (3,I,2) = DEX (SRS3) ;                                         SRX09660
          TAB4 (4,I,2) = DEX (SRS4) ;                                         SRX09670
          TAB4 (5,I,2) = PUMWGT;                                              SRX09680
          TAB4 (1,I,4) = DEX (SERSE2);                                        SRX09690
          TAB4 (2,I,4) = DEX (SRSB1);                                         SRX09700
          TAB4 (3,I,4) = DEX (SRSB3);                                         SRX09710
          TAB4 (4,I,4) = DEX (SRSB4);                                         SRX09720
          TAB4(1,I,2) = TAB4(1,I,2) / 100;                                    SRX09730
          TAB4(2,I,2) = TAB4(2,I,2) / 100;                                    SRX09740
          TAB4(3,I,2) = TAB4(3,I,2) / 100;                                    SRX09750
          TAB4(4,I,2) = TAB4(4,I,2) / 100;                                    SRX09760
          TAB4(5,I,2) = TAB4(5,I,2) / 10;                                     SRX09770
          TAB4(1,I,4) = TAB4(1,I,4) / 100;                                    SRX09780
          TAB4(2,I,4) = TAB4(2,I,4) / 100;                                    SRX09790
          TAB4(3,I,4) = TAB4(3,I,4) / 100;                                    SRX09800
          TAB4(4,I,4) = TAB4(4,I,4) / 100;                                    SRX09810
          GOTO READ11RTN;                                                     SRX09820
       LAST11RTN:                                                             SRX09830
          DO J = 1 TO 2;                                                      SRX09840
        CALL HEADRTN;                                                         SRX09850
PUT SKIP(3) EDIT('*** ',' ***')(X(5),A,X(10),A) ;                             SRX09860
CALL HPUT1('OS',0,9,10,DOSINAME(DOSI)) ;                                      SRX09870
     PUT SKIP(2) EDIT('*---------------- ',YY,MM,' ----------------*',       SRX09880
     '*---------------- ',JYY,MM,' ----------------*')                        SRX09890
     (X(30),A,F(2),X(4),F(2),X(3),A,X(5),A,F(2),X(4),F(2),X(3),A) ;           SRX09900
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FILE: SRXWUU54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

     CALL HPUT4('OS',0,50,2,'SUS',4,2,'DNJF',43,2,'SUS',4,2,'DNJF') ;   SRX09910
 CALL HPUT3('OS',2,0,32,' ZH  EM     VNA  AHR              RKWNDCL ',     SRX09920
     1,42,'   ¬*¬ WL      TN ¬*¬          ¬*¬ EMD    FKR     DBF ¬*¬',     SRX09930
     6,42,'   ¬*¬ WL      TN ¬*¬          ¬*¬ EMD    FKR     DBF ¬*¬');    SRX09940
     CALL HPUT4('OS',2,33,13,'RMA  DNJF   WJS DNJF',1,35,               SRX09950
     '          QLWJSDNJF QLWJSSUSAKF QL1SUSWJS     ',1,13,             SRX09960
     'RMA  DNJF   WJS DNJF',1,35,                                       SRX09970
     '          QLWJSDNJF QLWJSSUSAKF QL1SUSWJS') ;                     SRX09980
          K = J + 2;                                                    SRX09990
            DO I = 1 TO 21;                                             SRX10000
          IF TAB4(2,I,J)=0 THEN DO; D1=0; GOTO NF1; END;                SRX10010
              D1 = (TAB4 (1,I,J) / TAB4 (2,I,J) - 1) * 100;             SRX10020
      NF1:                                                              SRX10030
          IF TAB4(3,I,J)=0 THEN DO; D2=0; GOTO NF2; END;                SRX10040
              D2 = (TAB4 (1,I,J) / TAB4 (3,I,J) - 1) * 100;             SRX10050
      NF2:                                                              SRX10060
          IF TAB4(4,I,J)=0 THEN DO; D3=0; GOTO NF3; END;                SRX10070
              D3 = (TAB4 (1,I,J) / TAB4 (4,I,J) - 1) * 100;             SRX10080
      NF3:                                                              SRX10090
          IF TAB4(2,I,K)=0 THEN DO; K1=0; GOTO NF4; END;                SRX10100
              K1 = (TAB4 (1,I,K) / TAB4 (2,I,K) - 1) * 100;             SRX10110
      NF4:                                                              SRX10120
          IF TAB4(3,I,K)=0 THEN DO; K2=0; GOTO NF5; END;                SRX10130
              K2 = (TAB4 (1,I,K) / TAB4 (3,I,K) - 1) * 100;             SRX10140
      NF5:                                                              SRX10150
          IF TAB4(4,I,K)=0 THEN DO; K3=0; GOTO NF6; END;                SRX10160
              K3 = (TAB4 (1,I,K) / TAB4 (4,I,K) - 1) * 100;             SRX10170
      NF6:                                                              SRX10180
          CALL HGBATCH (FUNC,RTC,HGTB4 (I),L30,HEADHG,L30);             SRX10190
          PUT SKIP(2) EDIT(PCOD4 (I),HHG1,TAB4 (5,I,J),TAB4 (1,I,J),    SRX10200
                      TAB4 (2,I,J),D1,D2,D3,TAB4 (1,I,K),TAB4 (2,I,K),  SRX10210
                      K1,K2,K3)(X(2),F(5),X(2),A(15),X(2),F(6,1),X(3),  SRX10220
                      F(5,1),X(2),F(5,1),X(2),F(5,1),X(2),F(5,1),X(2),  SRX10230
        F(5,1),X(10),F(5,1),X(2),F(5,1),X(2),F(5,2),X(2)                SRX10240
                           ,F(5,2),X(2),F(5,2));                        SRX10250
          PUT SKIP(0) EDIT(HHG2)(X(9),A(15));                           SRX10260
          PUT SKIP(1) EDIT(HHG3)(X(9),A(15));                           SRX10270
          END;                                                          SRX10280
          PUT PAGE;   DOSI=10;                                          SRX10290
      END;                                                              SRX10300
          CLOSE  FILE(ISAM);                                            SRX10310
      END  TB11RTN;                                                     SRX10320
 /*********************************************************************/SRX10330
 TB12RTN:      PROCEDURE;                                               SRX10340
      DCL TAB12  (5,100,10)  FLOAT;                                     SRX10350
      DCL PUM12  (100)        PIC '(5)9';                               SRX10360
      DCL HGP12  (100)       CHAR(25);   DCL SRJAV PIC '999';          SRX10370
      DCL SR5 PIC '999'; DCL SR15 PIC '999'; DCL SR25 PIC '999';        SRX10380
  DCL COD12 (100) PIC '(5)9' INIT(10101,10102,10104,10105,10106,10107   SRX10390
     ,10111,10201,10202,10203,10301,10302,10303,10304,10309,10402,      SRX10400
      10403,10404,10405,10501,10502,10503,10601,10602,10604,10605,      SRX10410
      10606,10607,10609,10614,10701,10702,10801,10802,10803,10805,      SRX10420
      10806,10807,10808,10810,10811,10812,10901,10902,10907,11001,      SRX10430
  11003,11004,11010,11101,11102,11112,11202,11206,11301,11302,11401,    SRX10440
      11405,20205,20210,20323,20401,20403,20404,20414,20501,20601,      SRX10450
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      30201,30202,30204,40101,40102,40103,40104,40109,40111,          SRX10460
      40119,40121,40304,40305,40417,40419,50101,50102,50103,50104,    SRX10470
      50115,50116,50117,50201,50202,50203,50205,50207,50211,          SRX10480
      50213,50219,50512,50513,50716);                                 SRX10490
      DCL L   PIC '99';                                               SRX10500
      DCL M   PIC '99';                                               SRX10510
      DCL N   PIC '99';                                               SRX10520
      DCL SCOD  (5) CHAR(6) INIT('J-AV','K-AV','5-DAY','15-DAY',      SRX10530
                                 '25-DAY');                           SRX10540
          HED = 5;                                                    SRX10550
          CALL HEADRTN;                                               SRX10560
CALL HPUT6('OS',2,1,37,'ZH  EM   VNA  AHR                        ',   SRX10570
                       0,16,'TJ  DNF   QN  TKS   ',                   SRX10580
                       0,16,'EO  RN   DLS CJS   ',                    SRX10590
                       0,16,'EO WJS   RHKD  WN   ',                   SRX10600
                       0,16,'WJS  WN   CNS  CJS   ',                  SRX10610
                       0,5,'CJD  WN') ;                               SRX10620
          OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                       SRX10630
          ON  ENDFILE(ISAM)  GOTO LAST12RTN;                          SRX10640
          IF MM = 01 THEN DO;                                         SRX10650
          IF SN= 1 THEN DO;                                           SRX10660
          SRJAV=SERSE-2;                                              SRX10670
          SR5=SERSE-4;                                                SRX10680
          SR15=SERSE-3;                                               SRX10690
          SR25=SERSE;                                                 SRX10700
          END;                                                        SRX10710
      ELSE IF SN=2 THEN DO;                                           SRX10720
          SRJAV=SERSE-3;                                              SRX10730
          SR5=SERSE-4;                                                SRX10740
          SR15=SERSE-1;                                               SRX10750
          SR25=SERSE;   END;                                          SRX10760
    ELSE IF SN=3 THEN DO;                                             SRX10770
          SRJAV=SERSE-4;                                              SRX10780
          SR5=SERSE-2;                                                SRX10790
          SR15=SERSE-1;                                               SRX10800
          SR25=SERSE;   END;                                          SRX10810
    ELSE IF SN=4 THEN DO;                                             SRX10820
          SRJAV=SERSE-5;                                              SRX10830
          SR5=SERSE-3;                                                SRX10840
          SR15=SERSE-2;                                               SRX10850
          SR25=SERSE-1;                                               SRX10860
          END;                                                        SRX10870
          END;                                                        SRX10880
    ELSE DO;                                                          SRX10890
          IF SN=1 THEN DO;                                            SRX10900
          SRJAV=SERSE-1;                                              SRX10910
          SR5=SERSE-3;                                                SRX10920
          SR15=SERSE-2;                                               SRX10930
          SR25=SERSE;  END;                                           SRX10940
      ELSE IF SN=2 THEN DO;                                           SRX10950
          SRJAV=SERSE-2;                                              SRX10960
          SR5=SERSE-3;                                                SRX10970
          SR15=SERSE-1;                                               SRX10980
          SR25=SERSE;  END;                                           SRX10990
    ELSE  IF SN=3 THEN DO;                                            SRX11000
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          SRJAV=SERSE-3;                                                    SRX11010
          SR5=SERSE-2;                                                      SRX11020
          SR15=SERSE-1;                                                     SRX11030
          SR25=SERSE;  END;                                                 SRX11040
        ELSE IF SN=4 THEN DO;                                               SRX11050
          SRJAV=SERSE-4;                                                    SRX11060
          SR5=SERSE-3;                                                      SRX11070
          SR15=SERSE-2;                                                     SRX11080
          SR25=SERSE-1;                                                     SRX11090
          END;                                                              SRX11100
         END;                                                               SRX11110
         READ12RTN:                                                         SRX11120
          READ   FILE(ISAM)  INTO(ISAMREC);                                 SRX11130
          DO  I = 1 TO 100;                                                 SRX11140
          IF  PUM = COD12 (I)  THEN  GOTO NEXT121;                          SRX11150
          END;                                                              SRX11160
          GOTO READ12RTN;                                                   SRX11170
         NEXT121:                                                           SRX11180
          TAB12 (1,I,1) = DEXPRICE (SRJAV);                                 SRX11190
          TAB12 (2,I,1) = DEXPRICE (SERSE);                                 SRX11200
          TAB12 (3,I,1) = DEXPRICE (SR5);                                   SRX11210
          TAB12 (4,I,1) = DEXPRICE (SR15);                                  SRX11220
          TAB12 (5,I,1) = DEXPRICE (SR25);                                  SRX11230
          TAB12(1,I,1) = TAB12(1,I,1) / 100;                                SRX11240
          TAB12(2,I,1) = TAB12(2,I,1) / 100;                                SRX11250
          TAB12(3,I,1) = TAB12(3,I,1) / 100;                                SRX11260
          TAB12(4,I,1) = TAB12(4,I,1) / 100;                                SRX11270
          TAB12(5,I,1) = TAB12(5,I,1) / 100;                                SRX11280
          PUM12 (I) = PUM;                                                  SRX11290
          HGP12 (I) = HGCHAR;                                               SRX11300
          DO L = 1 TO 9;                                                    SRX11310
            N = L + 1;                                                      SRX11320
          READ  FILE(ISAM)   INTO(ISAMREC);                                 SRX11330
          TAB12 (1,I,N) = DEXPRICE (SRJAV);                                 SRX11340
          TAB12 (2,I,N) = DEXPRICE (SERSE);                                 SRX11350
          TAB12 (3,I,N) = DEXPRICE (SR5) ;                                  SRX11360
          TAB12 (4,I,N) = DEXPRICE (SR15);                                  SRX11370
          TAB12 (5,I,N) = DEXPRICE (SR25);                                  SRX11380
          TAB12(1,I,N) = TAB12(1,I,N) / 100;                                SRX11390
          TAB12(2,I,N) = TAB12(2,I,N) / 100;                                SRX11400
          TAB12(3,I,N) = TAB12(3,I,N) / 100;                                SRX11410
          TAB12(4,I,N) = TAB12(4,I,N) / 100;                                SRX11420
          TAB12(5,I,N) = TAB12(5,I,N) / 100;                                SRX11430
          END;                                                              SRX11440
          GOTO READ12RTN;                                                   SRX11450
         LAST12RTN:                                                         SRX11460
          IF SN ¬= 4 THEN DO;                                               SRX11470
           TAB12(2,*,*)=0;                                                  SRX11480
          END;                                                              SRX11490
          DCL  RICE(6,45)  CHAR(8)    INIT                                  SRX11500
        ('   7 033','   7 167','   7 000','   7 000','   6 800',           SRX11510
         '   6 867','   6 983','   6 500','   6 800',                       SRX11520
         '   7 056','   7 250','   7 000','   7 067','   6 833',           SRX11530
         '   6 958','   7 000','   6 500','   6 800',                       SRX11540
         '   7 033','   7 250','   7 000','   7 000','   6 800',           SRX11550
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'.  6 950','   7 000','   6 500','   6 800',                          SRX11560
'   7 067','   7 250','   7 000','   7 100','   6 800',              SRX11570
'   6 950','   7 000','   6 500','   6 800',                          SRX11580
'   7 067','   7 250','   7 000','   7 100','   6 900',              SRX11590
'   6 975','   7 000','   6 500','   6 800',                          SRX11600
      /***********  10  ***********/                                  SRX11610
'   6 187','   6 000','   6 000','   6 000','   6 000','   6 000',  SRX11620
'   5 950','   6 000','   6 000','   6 000',                          SRX11630
'   6 260','   6 000','   6 000','   6 000','   6 000',              SRX11640
'   5 950','   6 000','   6 000','   6 000',                          SRX11650
'   6 220','   6 000','   6 000','   6 000','   6 000',              SRX11660
'   5 950','   6 000','   6 000','   6 000',                          SRX11670
'   6 280','   6 000','   6 000','   6 000','   6 000',              SRX11680
'   5 950','   6 000','   6 000','   6 000',                          SRX11690
'   6 280','   6 000','   6 000','   6 000','   6 000',              SRX11700
'   5 950','   6 000','   6 000','   6 000',                          SRX11710
      /***********  20  ***********/                                  SRX11720
'   5 598','   5 598','   5 598','   5 598','   5 598','   5 598',  SRX11730
'   5 598','   5 598','   5 598','   5 598',                          SRX11740
'   5 598','   5 598','   5 598','   5 598','   5 598',              SRX11750
'   5 598','   5 598','   5 598','   5 598',                          SRX11760
'   5 598','   5 598','   5 598','   5 598','   5 598',              SRX11770
'   5 598','   5 598','   5 598','   5 598',                          SRX11780
'   5 598','   5 598','   5 598','   5 598','   5 598',              SRX11790
'   5 598','   5 598','   5 598','   5 598',                          SRX11800
'   5 598','   5 598','   5 598','   5 598','   5 598',              SRX11810
'   5 598','   5 598','   5 598','   5 598',                          SRX11820
      /***********  30  ***********/                                  SRX11830
'   4 670','   4 670','   4 670','   4 670','   4 670','   4 670',  SRX11840
'   4 670','   4 670','   4 670','   4 670',                          SRX11850
'   4 670','   4 670','   4 670','   4 670','   4 670',              SRX11860
'   4 670','   4 670','   4 670','   4 670',                          SRX11870
'   4 670','   4 670','   4 670','   4 670','   4 670',              SRX11880
'   4 670','   4 670','   4 670','   4 670',                          SRX11890
'   4 670','   4 670','   4 670','   4 670','   4 670',              SRX11900
'   4 670','   4 670','   4 670','   4 670',                          SRX11910
'   4 670','   4 670','   4 670','   4 670','   4 670',              SRX11920
'   4 670','   4 670','   4 670','   4 670',                          SRX11930
      /***********  40  ***********/                                  SRX11940
'   4 848','   5 200','   5 400','   5 000','   4 800',              SRX11950
'   4 800','   4 800','   4 800','   4 500',                          SRX11960
'   4 848','   5 200','   5 378','   5 000','   4 800',              SRX11970
'   4 800','   4 800','   4 800','   4 500',                          SRX11980
'   4 848','   5 200','   5 400','   5 000','   4 800',              SRX11990
'   4 800','   4 800','   4 800','   4 500',                          SRX12000
'   4 848','   5 200','   5 367','   5 000','   4 800',              SRX12010
'   4 800','   4 800','   4 800','   4 500',                          SRX12020
'   4 848','   5 200','   5 367','   5 000','   4 800',              SRX12030
'   4 800','   4 800','   4 800','   4 500',                          SRX12040
      /***********  50  ***********/                                  SRX12050
'   2 900','   2 900','   2 900','   2 900','   2 900',              SRX12060
'   2 900','   2 900','   2 900','   2 900',                          SRX12070
'   3 200','   3 200','   3 200','   3 200','   3 200',              SRX12080
'   3 200','   3 200','   3 200','   3 200',                          SRX12090
'   3 200','   3 200','   3 200','   3 200','   3 200',              SRX12100
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       '   3 200','   3 200','   3 200','   3 200',                          SRX12110
       '   3 200','   3 200','   3 200','   3 200','   3 200',              SRX12120
       '   3 200','   3 200','   3 200','   3 200',                          SRX12130
       '   3 200','   3 200','   3 200','   3 200','   3 200',              SRX12140
       '   3 200','   3 200','   3 200','   3 200') ;                       SRX12150
           K = 1 ;     CALL  DOL ;                                          SRX12160
           K = 2 ;     CALL  DOL ;                                          SRX12170
           K = 3 ;     CALL  DOL ;                                          SRX12180
           K = 4 ;     CALL  DOL ;                                          SRX12190
           K = 5 ;     CALL  DOL ;                                          SRX12200
           K = 6 ;     CALL  DOL ;                                          SRX12210
 DOL :     PROC ;                                                          SRX12220
           PUT SKIP(4) EDIT((RICE(K,M) DO M =  1 TO 9))                    SRX12230
                       (X(35),9 A(8)) ;                                    SRX12240
           PUT SKIP(3) EDIT((RICE(K,M) DO M = 10 TO 18))                   SRX12250
                       (X(35),9 A(8));                                     SRX12260
           PUT SKIP(2) EDIT((RICE(K,M) DO M = 19 TO 27))                   SRX12270
                       (X(35),9 A(8)) ;                                    SRX12280
           PUT SKIP(1) EDIT((RICE(K,M) DO M = 28 TO 36))                   SRX12290
                       (X(35),9 A(8)) ;                                    SRX12300
           PUT SKIP(1) EDIT((RICE(K,M) DO M = 37 TO 45))                   SRX12310
                       (X(35),9 A(8)) ;                                    SRX12320
           END  DOL ;                                                      SRX12330
         DCL HYPHEN  CHAR(8)  INIT ('       -') ;                         SRX12340
         DCL TABL12  (5,100,10)  PIC 'BZZZBZZ9' ;                         SRX12350
         DCL PR      (5,100,10)  CHAR (8) ;                               SRX12360
         DCL SS                  PIC '9'  INIT (0) ;                      SRX12370
         I = 1 ;                                                          SRX12380
 SEARCH :                                                                 SRX12390
     IF I > 100 THEN GOTO FINISH ;                                        SRX12400
/******  CALL  DOL ;*************/                                         SRX12410
     IF PUM12(I) = 10902 | PUM12(I) = 11101 | PUM12(I) = 11206           SRX12420
                                          THEN  CALL  DOL_C ;             SRX12430
     ELSE  DO ;                                                           SRX12440
        TAB12(*,I,*)     =  TAB12(*,I,*) + 0.5 ;                         SRX12450
        TABL12(*,I,*)  =  TAB12(*,I,*) ;                                 SRX12460
        PR   (*,I,*)     =  TABL12(*,I,*) ;                              SRX12470
        CALL  DOL_B ;                                                    SRX12480
        CALL  DOL_A ;                                                    SRX12490
     END ;                                                               SRX12500
     I = I + 1 ;                                                         SRX12510
     GOTO  SEARCH ;                                                      SRX12520
/************************************  DOL  :  PROC ;                    SRX12530
    DO J = 1 TO 5 ;                                                      SRX12540
      DO K = I TO 9 ;                                                    SRX12550
    IF TAB12(J,I,K) < 100 THEN SS = 1 ;                                  SRX12560
     END ;   END  ;   END  DOL  ;  *******************************/       SRX12570
  DOL_B:  PROC ;                                                         SRX12580
    DO J = 1 TO 5 ;                                                      SRX12590
      DO K = I TO 9 ;                                                    SRX12600
    IF TAB12(J,I,K) < 1 THEN PR(J,I,K) = HYPHEN ;                        SRX12610
     END ;   END  ;   END  DOL_B  ;                                      SRX12620
  DOL_A : PROC ;                                                         SRX12630
  CALL HGBATCH (FUNC,RTC,HGP12(I),L30,HEADHG,L30) ;                      SRX12640
    PUT SKIP(4) EDIT(PUM12(I),HHG1,SCOD(1),(PR(1,I,L) DO L=1 TO 9))      SRX12650
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                    (X(2),F(5),X(2),A(15),A(6),X(5),9 A(8)) ;                SRX12660
     PUT SKIP(0) EDIT(HHG2)  (X(9),A(15)) ;                                  SRX12670
     PUT SKIP(1) EDIT(HHG3)  (X(9),A(15)) ;                                  SRX12680
     PUT SKIP(2) EDIT(SCOD(2),(PR(2,I,L) DO L=1 TO 9))                       SRX12690
                    (X(24),A(6),X(5),9 A(8)) ;                               SRX12700
     PUT SKIP(2) EDIT(SCOD(3),(PR(3,I,L) DO L=1 TO 9))                       SRX12710
                    (X(24),A(6),X(5),9 A(8)) ;                               SRX12720
     DO  M = 4  TO 5 ;                                                       SRX12730
     PUT SKIP(1) EDIT(SCOD(M),(PR(M,I,L) DO L=1 TO 9))                       SRX12740
                    (X(24),A(6),X(5),9 A(8)) ;                               SRX12750
                  END ;  END  DOL_A ;                                        SRX12760
   DOL_C : PROC ;                                                            SRX12770
   CALL HGBATCH (FUNC,RTC,HGP12(I),L30,HEADHG,L30) ;                         SRX12780
     PUT SKIP(4) EDIT(PUM12(I),HHG1,SCOD(1),(TAB12(1,I,L) DO L=1 TO 9))      SRX12790
                    (X(2),F(5),X(2),A(15),A(6),X(5),9 F(8,2)) ;              SRX12800
     PUT SKIP(0) EDIT(HHG2)  (X(9),A(15)) ;                                  SRX12810
     PUT SKIP(1) EDIT(HHG3)  (X(9),A(15)) ;                                  SRX12820
     PUT SKIP(2) EDIT(SCOD(2),(TAB12(2,I,L) DO L=1 TO 9))                    SRX12830
                    (X(24),A(6),X(5),9 F(8,2)) ;                             SRX12840
     PUT SKIP(2) EDIT(SCOD(3),(TAB12(3,I,L) DO L=1 TO 9))                    SRX12850
                    (X(24),A(6),X(5),9 F(8,2)) ;                             SRX12860
     DO  M = 4  TO 5 ;                                                       SRX12870
     PUT SKIP(1) EDIT(SCOD(M),(TAB12(M,I,L) DO L=1 TO 9))                    SRX12880
                    (X(24),A(6),X(5),9 F(8,2)) ;                             SRX12890
                  END ;  END  DOL_C ;                                        SRX12900
 FINISH : CLOSE FILE(ISAM);                                                  SRX12910
      END  TB12RTN;                                                          SRX12920
TB13RTN:      PROCEDURE;                                                     SRX12930
           OPEN FILE(ISAM)    SEQUENTIAL INPUT;                             SRX12940
           ON ENDFILE(ISAM)   GO TO LAST13RTN;                              SRX12950
      DCL  MN1 PIC '999',                                                   SRX12960
           MN2  PIC '999',                                                  SRX12970
           MN3 PIC '999';                                                   SRX12980
           SW = 0;                                                          SRX12990
           MN1 = SERSE - 3;                                                 SRX13000
           MN2 = SERSE - 2;                                                 SRX13010
           MN3 = SERSE - 1;                                                 SRX13020
      DCL  S13PUM   PIC '(5)9';                                             SRX13030
        HED = 7;                                                            SRX13040
           CALL  HEADRTN;                                                   SRX13050
CALL HPUT2('OS',3,0,44,                                                     SRX13060
'     ZH  EM     EH TL     CH   TNS          WND    TNS',0,30,             SRX13070
'         GK   TNS        VUD    RBS') ;                                   SRX13080
      READ13RTN:                                                            SRX13090
           READ  FILE(ISAM)   INTO(ISAMREC);                                SRX13100
           IF SUBSTR(KEY,4,2) = '99' THEN GOTO READ13RTN;                   SRX13110
           IF SUBSTR(KEY,4,2) = '88' THEN GOTO READ13RTN;                   SRX13120
           D1=DEXPRICE(MN1)/100;                                            SRX13130
           D2=DEXPRICE(MN2)/100;                                            SRX13140
           D3=DEXPRICE(MN3)/100;                                            SRX13150
           D4=DEXPRICE(SERSE)/100;                                          SRX13160
           IF SW = 0 THEN  GOTO NEXT132;                                    SRX13170
           IF  PUM ¬= S13PUM THEN  GO TO NEXT132;                           SRX13180
      NEXT131:                                                              SRX13190
           PUT SKIP(2) EDIT(SUBSTR(KEY,6,2),D1,                             SRX13200
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            D2,D3,D4)                                                          SRX13210
            (X(13),A(2),X(5),F(10,2),X(5),F(10,2),X(5),F(10,2),                SRX13220
        X(5),F(10,2));                                                         SRX13230
        S13PUM = PUM;                                                          SRX13240
        SW = 1;                                                                SRX13250
        GOTO READ13RTN;                                                        SRX13260
    NEXT132:                                                                   SRX13270
        PUT SKIP(3) EDIT(PUM,SUBSTR(KEY,6,2),D1,                               SRX13280
            D2,D3,D4)                                                          SRX13290
            (X(5),F(5),X(3),A(2),X(5),F(10,2),X(5),F(10,2),                    SRX13300
            X(5),F(10,2),X(5),F(10,2));                                        SRX13310
        S13PUM=PUM;                                                            SRX13320
        SW=1;                                                                  SRX13330
        GOTO READ13RTN;                                                        SRX13340
    LAST13RTN:                                                                 SRX13350
        CLOSE   FILE(ISAM);                                                    SRX13360
    END TB13RTN;                                                               SRX13370
/*************************************************************************/    SRX13380
UPTRTN:       PROCEDURE;                                                       SRX13390
    DCL 1  TREC,                                                               SRX13400
         2 TID        PIC  '9'       ,                                         SRX13410
         2 TYY        PIC  '99'      ,                                         SRX13420
         2 TMM        PIC  '99'      ,                                         SRX13430
         2 TSN        PIC  '9'       ,                                         SRX13440
         2 TKEY       PIC  '(7)9'    ,                                         SRX13450
         2 F1         CHAR(7)        ,                                         SRX13460
         2 TMPRI      CHAR(10)       ,                                         SRX13470
         2 TDPRI      CHAR(10)       ,                                         SRX13480
         2 TSPRI      CHAR(10)       ,                                         SRX13490
         2 F2  CHAR(30)    ;                                                   SRX13500
    DCL MPRICE  PIC '(10)9';                                                   SRX13510
    DCL DPRICE  PIC '(10)9';                                                   SRX13520
    DCL SPRICE  PIC '(10)9';                                                   SRX13530
    DCL YTAB  (2,4,9) FLOAT BIN(53) INIT((72)0);                               SRX13540
    DCL JDOTAB   (2)  FLOAT BIN(53) INIT(0,0);                                 SRX13550
    DCL DWGTTB   FLOAT BIN(53) INIT(0);                                        SRX13560
    DCL SKEY          PIC '(7)9';                                              SRX13570
    DCL SPRIC    FLOAT BIN(53) INIT(0);                                        SRX13580
    DCL DPR      FLOAT BIN(53) INIT(0);                                        SRX13590
    DCL DDX      FLOAT BIN(53) INIT(0);                                        SRX13600
    DCL GISU  FLOAT,                                                           SRX13610
        GISUPRICE FLOAT,                                                       SRX13620
        KIZUNPRICE FLOAT,                                                      SRX13630
        DDDWGT FLOAT,                                                          SRX13640
        FPPWGT FLOAT;                                                          SRX13650
    DCL DDXX PIC '(6)9V99'; DCL  DDXC CHAR(6);                                 SRX13660
    DCL MKPR  FLOAT; DCL MKPR1 FLOAT;                                          SRX13670
    DCL MKPR2 FLOAT; DCL MKPR3 FLOAT;                                          SRX13680
    DCL DIPR1 FLOAT; DCL DIPR2 FLOAT;                                          SRX13690
    DCL DIPR3 FLOAT; DCL DES1  FLOAT;                                          SRX13700
    DCL DES2  FLOAT; DCL DES3  FLOAT;                                          SRX13710
    DCL YCOD  (37)  PIC '(5)9' INIT(10199,10299,10399,10499,10599,             SRX13720
              10699,10799,10899,10999,11099,11199,11299,11399,                 SRX13730
              11499,20199,20299,20399,20499,20599,20699,30199,                 SRX13740
              30299,30399,40199,40299,40399,40499,40599,50199,                 SRX13750
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                50299,50399,50499,50599,50699,50799,50899,50999);    SRX13760
    DCL BCOD  (5)  PIC '(5)9' INIT(19999,29999,39999,49999,59999);   SRX13770
    DCL KTAB1 (3,10)  FLOAT BIN(53) INIT((30)0);                     SRX13780
    DCL KTAB2 (10)    FLOAT BIN(53) INIT((10)0);                     SRX13790
    DCL T1_DEX        FLOAT BIN(53) INIT(0);                         SRX13800
    DCL TABU1   (2,394,9)  FLOAT BIN(53) INIT((7092)0);              SRX13810
    DCL UPCODH (394)  CHAR(25);                                      SRX13820
    DCL UPCOD  (394)  PIC '(5)9';                                    SRX13830
    DCL ASW PIC '9' INIT(0);                                         SRX13840
  /*****************************************************************/ SRX13850
        OPEN FILE(ISAM)  DIRECT  UPDATE;                             SRX13860
        ON  ENDFILE(CARD)       GOTO TLAST1;                         SRX13870
    RDTAPE:                                                          SRX13880
        READ  FILE(CARD)    INTO(TREC);                              SRX13890
        L=INDEX(TMPRI,' ');                                          SRX13900
        IF L = 0 THEN  MPRICE= TMPRI;                                SRX13910
                 ELSE MPRICE = SUBSTR(TMPRI,1,L-1);                  SRX13920
        L=INDEX(TDPRI,' ');                                          SRX13930
        IF L = 0 THEN  DPRICE = TDPRI;                               SRX13940
                 ELSE  DPRICE = SUBSTR(TDPRI,1,L-1);                 SRX13950
        L=INDEX(TSPRI,' ');                                          SRX13960
        IF L = 0 THEN  SPRICE = TSPRI;                               SRX13970
                 ELSE  SPRICE = SUBSTR(TSPRI,1,L-1);                 SRX13980
        SKEY = TKEY;                                                 SRX13990
        ON KEY(ISAM) BEGIN;                                          SRX14000
        IF ONCODE = 51 THEN SW = 4;                                  SRX14010
        END;                                                         SRX14020
        IF SW = 4 THEN DO;  SW=0; GOTO RDTAPE;  END;                 SRX14030
        READ     FILE(ISAM) INTO(ISAMREC) KEY(SKEY) ;                SRX14040
        IF  MPRICE  ¬= 0  THEN DO;                                   SRX14050
        MAKPRICE (SERSE) = MPRICE;                                   SRX14060
        END;                                                         SRX14070
        IF  DPRICE  ¬= 0  THEN DO;                                   SRX14080
        DEXPRICE (SERSE) = DPRICE;                                   SRX14090
        END;                                                         SRX14100
        IF  SPRICE  ¬= 0  THEN DO;                                   SRX14110
        STDPRICE (SERSE) = SPRICE;                                   SRX14120
        END;                                                         SRX14130
        IF TID = 1  THEN GOTO NEXTUP1;                               SRX14140
        GISUPRICE=DEXPRICE(SERSE);  KIZUNPRICE=STDPRICE(SERSE);      SRX14150
        IF KIZUNPRICE=0 THEN DO; DEX(SERSE)=0; GOTO NEXTUP1; END;    SRX14160
        DEX (SERSE) =GISUPRICE / KIZUNPRICE * 10000 + 0.501;         SRX14170
    NEXTUP1:                                                         SRX14180
        REWRITE  FILE(ISAM)  KEY(SKEY)    FROM(ISAMREC);             SRX14190
        PUT SKIP(2) EDIT(KEY,MAKPRICE(SERSE),DEXPRICE(SERSE),        SRX14200
      STDPRICE(SERSE))(X(5),A(7),X(3),F(10),X(3),F(10),X(3),F(10));  SRX14210
        GOTO RDTAPE;                                                 SRX14220
    TLAST1:                                                          SRX14230
        IF TID ¬= 1   THEN GOTO TLAST3;                              SRX14240
        CLOSE  FILE(ISAM);                                           SRX14250
        OPEN FILE(ISAM)    SEQUENTIAL UPDATE;                        SRX14260
        ON ENDFILE(ISAM)  GOTO TLAST3;                               SRX14270
    RDIS1:                                                           SRX14280
        READ  FILE(ISAM)   INTO(ISAMREC);                            SRX14290
        IF STDPRICE (SERSE) = 0  THEN  DO;                           SRX14300
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          STDPRICE (SERSE) = STDPRICE (SRS1);                                    SRX14310
          END;                                                                   SRX14320
          IF MAKPRICE (SERSE) = 0  THEN DO;                                      SRX14330
          MAKPRICE (SERSE) = MAKPRICE (SRS1);                                    SRX14340
          END;                                                                   SRX14350
          IF DEXPRICE (SERSE) = 0  THEN DO;                                      SRX14360
          DEXPRICE (SERSE) = DEXPRICE (SRS1);                                    SRX14370
          END;                                                                   SRX14380
          GISUPRICE = DEXPRICE(SERSE);                                           SRX14390
          KIZUNPRICE = STDPRICE(SERSE);                                          SRX14400
          IF KIZUNPRICE=0 THEN DO; DEX(SERSE)=0; GOTO CHECK2; END;               SRX14410
          DEX (SERSE) =GISUPRICE / KIZUNPRICE * 10000 + 0.501;                   SRX14420
    CHECK2:  REWRITE  FILE(ISAM)  FROM(ISAMREC);                                 SRX14430
          GOTO RDIS1;                                                            SRX14440
       TLAST2:                                                                   SRX14450
          CLOSE   FILE(ISAM);                                                    SRX14460
          IF  TSN = 3  THEN DO;                                                  SRX14470
          OPEN  FILE(ISAM)   SEQUENTIAL  UPDATE;                                 SRX14480
          ON ENDFILE(ISAM)   GOTO TLAST4;                                        SRX14490
       RDIS2:                                                                    SRX14500
          READ  FILE(ISAM)   INTO(ISAMREC);                                      SRX14510
          MKPR1=MAKPRICE(SERSE-2); MKPR2=MAKPRICE(SERSE-1);                      SRX14520
          MKPR3=MAKPRICE(SERSE);  DIPR1=DEXPRICE(SERSE-2);                       SRX14530
          DIPR2=DEXPRICE(SERSE-1); DIPR3=DEXPRICE(SERSE);                        SRX14540
          DES1=DEX(SERSE-2); DES2=DEX(SERSE-1);                                  SRX14550
          DES3=DEX(SERSE);                                                       SRX14560
          MKPR=(MKPR1+MKPR2+MKPR3)/3+0.501;                                      SRX14570
          STDPRICE (SERSE + 1) = STDPRICE (SERSE);                               SRX14580
          GISUPRICE=(DIPR1+DIPR2+DIPR3) / 3+0.501;                               SRX14590
          IF SUBSTR(KEY,4,2)=99 |SUBSTR(KEY,4,2)=88 THEN DO;                     SRX14600
          DDXX=(DES1+DES2+DES3)/3+5.01;                                          SRX14610
          DDXC=DDXX;  SUBSTR(DDXC,6,1)='0'; GISU=DDXC; END;                      SRX14620
          ELSE GISU=(DES1+DES2+DES3)/3+0.501;                                    SRX14630
          MAKPRICE(SERSE+1)=MKPR;                                                SRX14640
          DEXPRICE(SERSE+1)=GISUPRICE;                                           SRX14650
          DEX(SERSE+1)=GISU;                                                     SRX14660
          REWRITE FILE(ISAM) FROM(ISAMREC);                                      SRX14670
          GOTO RDIS2;                                                            SRX14680
          END;                                                                   SRX14690
          ELSE GOTO TLAST4;                                                      SRX14700
       TLAST3:  CLOSE FILE(ISAM);                                                SRX14710
          OPEN  FILE(ISAM)   SEQUENTIAL  UPDATE;                                 SRX14720
          ON  ENDFILE(ISAM)  GOTO TLAST2;                                        SRX14730
     /*************************************************************/             SRX14740
       RDIS3:       /*  YOUBEUL & BIMOK  COUNT  */                              SRX14750
          DO  I = 1 TO 10;                                                       SRX14760
          READ FILE(ISAM)  INTO(ISAMREC);                                        SRX14770
           GISUPRICE=DEXPRICE(SERSE);                                            SRX14780
           KIZUNPRICE=STDPRICE(SERSE);                                           SRX14790
           GISU=DEX(SERSE);                                                      SRX14800
           PPPWGT=PUMWGT;                                                        SRX14810
           DDDWGT=CITYWGT;                                                       SRX14820
            IF KEY1 = 99  THEN DO;                                               SRX14830
            DEXPRICE (SERSE) = JDOTAB (1) / DWGTTB + 0.501;                      SRX14840
         IF SUBSTR(KEY,4,2)='99' | SUBSTR(KEY,4,2)='88' THEN DO;                 SRX14850
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          DDXX=JDOTAB(2)/DWGTTB+5.01;  DDXC=DDXX;                    SRX14860
          SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC; END;               SRX14870
          ELSE DEX (SERSE) = JDOTAB (2) / DWGTTB + 0.501 ;           SRX14880
          REWRITE  FILE(ISAM) FROM(ISAMREC);                         SRX14890
          JDOTAB(1) = 0;                                             SRX14900
          JDOTAB(2) = 0;                                             SRX14910
          DWGTTB = 0;                                                SRX14920
          GOTO RDIS3;                                                SRX14930
          END;                                                       SRX14940
          DO J = 1 TO 37;                                            SRX14950
            IF PUM = YCOD (J) THEN DO;                               SRX14960
            DEXPRICE (SERSE) = YTAB (1,1,I);                         SRX14970
         DDXX = YTAB (1,1,I) / YTAB (2,1,I) + 5.01;                  SRX14980
         DDXC=DDXX;  SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;          SRX14990
        REWRITE FILE(ISAM)  FROM(ISAMREC);                           SRX15000
        GISU=YTAB(1,1,I)/YTAB(2,1,I);                                SRX15010
        GISUPRICE=DEXPRICE(SERSE);                                   SRX15020
        YTAB(1,1,I) = 0;                                             SRX15030
            YTAB(2,1,I) = 0;                                         SRX15040
            DPR = DDDWGT * GISUPRICE;                                SRX15050
            DDX = DDDWGT * GISU;                                     SRX15060
            JDOTAB (1) = JDOTAB  (1) + DPR;                          SRX15070
            JDOTAB  (2) = JDOTAB (2) + DDX;                          SRX15080
            DWGTTB = DWGTTB + DDDWGT;                                SRX15090
            GOTO ENDU1R;                                             SRX15100
            END;                                                     SRX15110
          END;                                                       SRX15120
          DO K = 1 TO 5;                                             SRX15130
            IF PUM = BCOD (K) THEN DO;                               SRX15140
            DEXPRICE (SERSE) = YTAB (1,2,I);                         SRX15150
            DDXX= YTAB (1,2,I) / YTAB(2,2,I) + 5.01;                 SRX15160
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;        SRX15170
            GISUPRICE=DEXPRICE(SERSE);                               SRX15180
            GISU=YTAB(1,2,I)/YTAB(2,2,I);                            SRX15190
            DPR = DDDWGT * GISUPRICE;                                SRX15200
            DDX = DDDWGT * GISU;                                     SRX15210
            JDOTAB (1) = JDOTAB  (1) + DPR;                          SRX15220
            JDOTAB (2) = JDOTAB  (2) + DDX;                          SRX15230
            DWGTTB = DWGTTB + DDDWGT;                                SRX15240
            REWRITE  FILE(ISAM)  FROM(ISAMREC);                      SRX15250
            YTAB (1,2,I) = 0;                                        SRX15260
            YTAB (2,2,I) = 0;                                        SRX15270
            GOTO ENDU1R;                                             SRX15280
            END;                                                     SRX15290
          END;                                                       SRX15300
            IF PUM = 18888 THEN DO;                                  SRX15310
            DEXPRICE (SERSE) = YTAB (1,3,I);                         SRX15320
            DDXX = YTAB (1,3,I) / YTAB (2,3,I) + 5.01;               SRX15330
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC;       SRX15340
            GISU=YTAB(1,3,I)/YTAB(2,3,I);                            SRX15350
            GISUPRICE=DEXPRICE(SERSE);                               SRX15360
            DPR = DDDWGT * GISUPRICE;                                SRX15370
            DDX = DDDWGT * GISU;                                     SRX15380
            JDOTAB (1) = JDOTAB (1) + DPR;                           SRX15390
            JDOTAB (2) = JDOTAB (2) + DDX;                           SRX15400
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```
            DWGTTB = DWGTTB + DDDWGT;                                          SRX15410
            REWRITE FILE(ISAM) FROM(ISAMREC);                                  SRX15420
            YTAB (1,3,I) = 0;                                                  SRX15430
            YTAB (2,3,I) = 0;                                                  SRX15440
            GO TO ENDU1R;                                                      SRX15450
            END;                                                               SRX15460
            IF PUM = 88888 THEN DO;                                            SRX15470
            DEXPRICE (SERSE) = YTAB (1,3,I);                                   SRX15480
            DDXX = YTAB (1,3,I) / YTAB (2,3,I) + 5.01;                         SRX15490
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0'; DEX(SERSE)=DDXC;                  SRX15500
            GISU=YTAB(1,3,I)/YTAB(2,3,I);                                      SRX15510
            GISUPRICE=DEXPRICE(SERSE);                                         SRX15520
            DPR = DDDWGT * GISUPRICE;                                          SRX15530
            DDX = DDDWGT * GISU;                                               SRX15540
            JDOTAB (1) = JDOTAB (1) + DPR;                                     SRX15550
            JDOTAB (2) = JDOTAB (2) + DDX;                                     SRX15560
            DWGTTB = DWGTTB + DDDWGT;                                          SRX15570
            REWRITE  FILE(ISAM)  FROM(ISAMREC);                                SRX15580
            YTAB (1,3,I) = 0;                                                  SRX15590
            YTAB (2,3,I) = 0;                                                  SRX15600
            GOTO ENDU1R;                                                       SRX15610
            END;                                                               SRX15620
            IF  PUM = 99999  THEN DO;                                          SRX15630
            DEXPRICE (SERSE) = YTAB (1,4,I);                                   SRX15640
            DDXX = YTAB (1,4,I) / YTAB (2,4,I) + 5.01;                         SRX15650
            DDXC=DDXX; SUBSTR(DDXC,6,1)='0';  DEX(SERSE)=DDXC;                 SRX15660
            GISU=YTAB(1,4,I)/YTAB(2,4,I);                                      SRX15670
            GISUPRICE=DEXPRICE(SERSE);                                         SRX15680
            DPR = DDDWGT * GISUPRICE;                                          SRX15690
            DDX = DDDWGT * GISU;                                               SRX15700
            JDOTAB (1) = JDOTAB (1) + DPR;                                     SRX15710
            JDOTAB (2) = JDOTAB (2) + DDX;                                     SRX15720
            DWGTTB = DWGTTB + DDDWGT;                                          SRX15730
            REWRITE  FILE(ISAM)   FROM(ISAMREC);                               SRX15740
            YTAB (1,4,I) = 0;                                                  SRX15750
            YTAB (2,4,I) = 0;                                                  SRX15760
            GOTO ENDU1R;                                                       SRX15770
            END;                                                               SRX15780
            IF KIZUNPRICE = 0 THEN DO;                                         SRX15790
            GISU = 0;                                                          SRX15800
            GOTO KSHHH;                                                        SRX15810
            END;                                                               SRX15820
            GISU = GISUPRICE / KIZUNPRICE * 10000;                             SRX15830
          KSHHH:                                                               SRX15840
            DDX = GISU * PPPWGT;                                               SRX15850
            YTAB (1,1,I) = YTAB (1,1,I) + DDX;                                 SRX15860
            YTAB (1,2,I) = YTAB (1,2,I) + DDX;                                 SRX15870
            IF SUBSTR(KEY,1,3) ¬= '101' THEN                                   SRX15880
            YTAB (1,3,I) = YTAB (1,3,I) + DDX;                                 SRX15890
            YTAB (1,4,I) = YTAB (1,4,I) + DDX;                                 SRX15900
            YTAB (2,1,I) = YTAB (2,1,I) + PPPWGT;                              SRX15910
            YTAB (2,2,I) = YTAB (2,2,I) + PPPWGT;                              SRX15920
            IF SUBSTR(KEY,1,3) ¬= '101' THEN                                   SRX15930
            YTAB (2,3,I) = YTAB (2,3,I) + PPPWGT;                              SRX15940
            YTAB (2,4,I) = YTAB (2,4,I) + PPPWGT;                              SRX15950
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                DPR = DDDWGT * GISUPRICE;                                   SRX15960
                DDX = DDDWGT * GISU;                                        SRX15970
                JDOTAB (1) = JDOTAB (1) + DPR;                              SRX15980
                JDOTAB (2) = JDOTAB (2) + DDX;                              SRX15990
                DWGTTB = DWGTTB + DDDWGT;                                   SRX16000
          ENDU1R:                                                           SRX16010
        END;                                                                SRX16020
            GOTO  RDIS3;                                                    SRX16030
 /*****************************************************************/        SRX16040
                                                    /* CHECK TAB #1 */      SRX16050
        TLAST4:                                                             SRX16060
            CLOSE  FILE(ISAM);                                              SRX16070
            PUT PAGE;                                                       SRX16080
            OPEN  FILE(ISAM) DIRECT INPUT;                                  SRX16090
                NOMI = 9999999;                                             SRX16100
                READ  FILE(ISAM)  KEY(NOMI)  INTO(ISAMREC);                 SRX16110
                T1_DEX = DEX(SRS1);                                         SRX16120
            CLOSE FILE(ISAM);                                               SRX16130
            OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                            SRX16140
            ON  ENDFILE(ISAM) GOTO TLAST5;  PUT PAGE;                       SRX16150
            PUT SKIP(2) EDIT('*** CHECK-LIST #1 ***')(A(21));               SRX16160
 CALL HPUT3('OS',3,0,35,'  ZH  EM    VNA  AHR       TJ  DNF    QN  TKS',SRX16170
 3,37,'EO  RN   DLS CJS   EO WJS   RHKD  WN   WJS  WN',3,                 SRX16180
 21,'CNS  CJS  `CJD  WN   WJSEHTL') ;                                       SRX16190
        RDA1:                                                               SRX16200
            DO  I = 1 TO 10;                                                SRX16210
                READ  FILE(ISAM) INTO(ISAMREC);                             SRX16220
                KTAB1(1,I) = DEX(SERSE);                                    SRX16230
                KTAB1(2,I) = DEX(SRS1);                                     SRX16240
                IF I=10 THEN PPPWGT=PUMWGT;                                 SRX16250
                KTAB1(3,I)=CITYWGT;                                         SRX16260
            END;                                                            SRX16270
            IF SUBSTR(KEY,1,5)='99999' THEN GOTO N9;                        SRX16280
            IF SUBSTR(KEY,1,5)='19999' THEN GOTO N9;                        SRX16290
            IF SUBSTR(KEY,1,5)='88888' THEN GOTO N9;                        SRX16300
            IF SUBSTR(KEY,1,5)='18888' THEN GOTO RDA1;                      SRX16310
            IF SUBSTR(KEY,4,2)='99' THEN GOTO RDA1;                         SRX16320
      N9:   DO  I = 1 TO 10;                                                SRX16330
             KTAB2(I) =(((KTAB1(1,I)-KTAB1(2,I)) * PPPWGT) *                SRX16340
                    KTAB1(3,I)) / (T1_DEX * 1000000);                       SRX16350
            END;                                                            SRX16360
            IF SUBSTR(KEY,1,5)='99999' THEN GOTO PP1 ;                      SRX16370
           DCL KB11 PIC 'S9V99' ;                                           SRX16380
            KB11 = KTAB2(10);                                               SRX16390
            IF KB11 = 0.00 THEN GOTO RDA1;                                  SRX16400
      PP1:  CALL HGBATCH (FUNC,RTC,HGCHAR,L10,HEADHG,L10);                  SRX16410
            PUT SKIP(2) EDIT(PUM,HHG1,(KTAB2 (I) DO I = 1 TO 10))           SRX16420
            (X(2),F(5),X(2),A(10),9(X(2),F(6,3)),X(2),F(6,2));              SRX16430
            PUT SKIP(0) EDIT(HHG2)(X(9),A(10));                             SRX16440
            PUT SKIP(1) EDIT(HHG3)(X(9),A(10));                             SRX16450
            GOTO RDA1;                                                      SRX16460
          TLAST5:                                                           SRX16470
            CLOSE FILE(ISAM);                                               SRX16480
 /*****************************************************************/        SRX16490
            /***  # CHECK LIST 2 # ***/                                      SRX16500
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        OPEN  FILE(ISAM)   SEQUENTIAL INPUT;                                  SRX16510
        SW = 0; ON ENDFILE(ISAM) GOTO TLAST6;  PUT PAGE;                      SRX16520
      PUT SKIP(3) EDIT('** CHECK-LIST 2 **')(X(50),A);                        SRX16530
      RDA2:                                                                   SRX16540
        READ  FILE(ISAM)   INTO(ISAMREC);                                     SRX16550
        IF  SUBSTR(KEY,4,2) ='99' THEN  GOTO RDA2;                            SRX16560
        IF  SUBSTR(KEY,4,2) ='88' THEN  GOTO RDA2;                            SRX16570
        IF  SUBSTR(KEY,6,2) ='99' THEN  GOTO RDA2;                            SRX16580
        D2=DEXPRICE(SRS1);                                                    SRX16590
        D3=DEXPRICE(SERSE);                                                   SRX16600
        K1 = DEXPRICE (SERSE) - DEXPRICE (SRS1);                              SRX16610
        IF  K1 = 0 THEN GOTO RDA2;                                            SRX16620
        IF D2=0 THEN DO; D1=0; GOTO CH2; END;                                 SRX16630
        D1 = (D3 / D2 - 1) * 100;                                             SRX16640
      CH2: IF SW = 0  THEN  GOTO  NEXTRD1;                                    SRX16650
        IF PUM ¬= SAVEPUM  THEN GOTO NEXTRD1;                                 SRX16660
        D2 = D2 / 100;  K1=K1/100;                                            SRX16670
        D3 = D3 / 100;                                                        SRX16680
        PUT SKIP(2) EDIT(KEY1,D2,D3,K1,D1)(X(29),F(2),X(5),F(10,2),           SRX16690
                    X(5),F(10,2),X(5),F(10,2),X(5),F(10,2));                  SRX16700
        SW = 1;                                                               SRX16710
        SAVEPUM = PUM;                                                        SRX16720
        GOTO RDA2;                                                            SRX16730
      NEXTRD1:                                                                SRX16740
        D2=D2/100; D3=D3/100;  K1=K1/100;  L30=25;                            SRX16750
        CALL HGBATCH (FUNC,RTC,HGCHAR,L30,HHG1,L30);                          SRX16760
        PUT SKIP(2) EDIT(PUM,HHG1,KEY1,D2,D3,K1,D1)(X(5),F(5),X(2),           SRX16770
                    A(15),X(2),F(2),X(5),F(10,2),X(5),F(10,2),                SRX16780
                X(5),F(10,2),X(5),F(10,2));                                   SRX16790
        PUT SKIP(0) EDIT(HHG2)(X(12),A(15));                                  SRX16800
        PUT SKIP(1) EDIT(HHG3)(X(12),A(15));                                  SRX16810
        SW = 1;                                                               SRX16820
        SAVEPUM = PUM;                                                        SRX16830
        GOTO RDA2;                                                            SRX16840
      TLAST6:                                                                 SRX16850
        CLOSE   FILE(ISAM);                                                   SRX16860
/*************************************************************************/   SRX16870
        OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                                 SRX16880
        ON ENDFILE(ISAM)  GOTO TLAST7; PUT PAGE;                              SRX16890
        J = 1;                                                                SRX16900
      RDA3:                                                                   SRX16910
        DO  I = 1 TO 10;                                                      SRX16920
        READ FILE(ISAM)  INTO(ISAMREC);                                       SRX16930
        IF SUBSTR(KEY,4,2)='99' THEN GOTO END10RTN;                           SRX16940
        IF SUBSTR(KEY,4,2)='88' THEN GOTO END10RTN;                           SRX16950
        IF KEY1 = 99 THEN DO;                                                 SRX16960
        UPCOD(J) = PUM;                                                       SRX16970
        UPCODH(J) = HGCHAR;                                                   SRX16980
        GOTO END10RTN;                                                        SRX16990
        END;                                                                  SRX17000
        TABU1(1,J,I) = MAKPRICE(SERSE);                                       SRX17010
        TABU1(2,J,I)= DEXPRICE(SERSE);                                        SRX17020
      END10RTN:                                                               SRX17030
      END;                                                                    SRX17040
        IF SUBSTR(KEY,4,2)='99' THEN GOTO RDA3;                               SRX17050
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          IF SUBSTR(KEY,4,2)='88' THEN GOTO RDA3;                          SRX17060
          J=J+1;                                                           SRX17070
          GOTO RDA3;                                                       SRX17080
       TLAST7:                                                             SRX17090
          TABU1=TABU1/100;                                                 SRX17100
          DO I = 1 TO 9;                                                   SRX17110
            PUT PAGE;                                                      SRX17120
            PUT EDIT('*      =',I,'*')(X(5),A,F(2),A);                     SRX17130
            CALL HPUT1('OS',0,6,6,' EH TL ') ;                             SRX17140
            DO K = 1 TO 394;  L30=25;                                      SRX17150
              CALL HGBATCH (FUNC,RTC,UPCODH(K),L30,HEADHG,L30);            SRX17160
      PUT SKIP(2) EDIT(UPCOD(K),HHG1,TABU1(1,K,I),TABU1(2,K,I),            SRX17170
    '__________','__________','__________')(X(5),F(5),X(2),A(15),         SRX17180
                  X(5),F(10,2),X(5),F(10,2),X(10),A(10),X(5),              SRX17190
                  A(10),X(5),A(10));                                       SRX17200
              PUT SKIP(0) EDIT(HHG2)(X(12),A(15));                         SRX17210
              PUT SKIP(1) EDIT(HHG3)(X(12),A(15));                         SRX17220
              END;                                                         SRX17230
          END;                                                             SRX17240
          CLOSE  FILE(ISAM);                                               SRX17250
       END UPTRTN;                                                         SRX17260
   /*****************************************************************/     SRX17270
     SENGGEBI: PROC;                                                       SRX17280
      DCL SCODE(13) PIC'99999' INIT(10101,10102,10103,10106,10111,10201,SRX17290
 10202,10801,10804,10805,10810,10902,30201),                             SRX17300
        DT(8)       FLOAT, TOTDEX(4,2) FLOAT BIN(53),                    SRX17310
        SWGT(14,2) FLOAT;                                                SRX17320
        OPEN FILE(ISAM) DIRECT INPUT;                                    SRX17330
        TAB4=0;  TOTDEX=0;  SWGT=0;                                      SRX17340
        DO I=1 TO 13;                                                    SRX17350
          KEY=SCODE(I) || '01';                                          SRX17360
          READ FILE(ISAM) INTO(ISAMREC) KEY(KEY);                        SRX17370
          J=2; CALL SAVRTN;                                              SRX17380
          KEY=SCODE(I) || '99';                                          SRX17390
          READ FILE(ISAM) INTO(ISAMREC) KEY(KEY);                        SRX17400
          J=1; CALL SAVRTN;                                              SRX17410
        END;                                                             SRX17420
        CLOSE FILE(ISAM);                                                SRX17430
       DO I=1 TO 4;                                                      SRX17440
        TAB4(1,14,I)=TOTDEX(I,1)/SWGT(14,1);                             SRX17450
        TAB4(2,14,I)=TOTDEX(I,2)/SWGT(14,2);                             SRX17460
       END;  HGTB4(14)='RLQHSTODVLFVNA';                                 SRX17470
       TAB4=TAB4/100; SWGT=SWGT/10;                                      SRX17480
       CALL TB12_1;                                                      SRX17490
       CALL TB13_1;                                                      SRX17500
       CALL TB14_1;                                                      SRX17510
       CALL TB15_1;                                                      SRX17520
       CALL TB15_2;                                                      SRX17530
       TAB4=0;  HGTB4=' ';                                               SRX17540
    TITRTN: PROC;                                                        SRX17550
      DCL SA PIC'Z9', SE CHAR(2);                                        SRX17560
       HEADA1='RL QHS  TOD VLF VNA  WL TN';                              SRX17570
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,HEADHG,L30);                     SRX17580
       PUT PAGE; DO I=1 TO 10; PUT SKIP; END;                            SRX17590
       PUT EDIT(HHG1,HHG2,HHG3)(2(SKIP(0),X(28),A(20)),                  SRX17600
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        SKIP(1),X(28),A(20));                                                  SRX17610
      SA=SN*10-5; IF SA=35 THEN SE='  '; ELSE SE=SA;                           SRX17620
      PUT SKIP EDIT('19',YY,'.',MM,'.',SE)(X(35),A,F(2),A,F(2),A,A(2)),        SRX17630
  END TITRTN;                                                                  SRX17640
  TB12_1:PROC;                                                                 SRX17650
      CALL TITRTN;                                                             SRX17660
      HEADA1='VY 12-1 RL QHS VY';                                              SRX17670
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                            SRX17680
       PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                                    SRX17690
       PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                                    SRX17700
       PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                                    SRX17710
       HEADA1='WJS      EH      TL';                                           SRX17720
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG2,L30);                            SRX17730
       HEADA1='TJ            DNF';                                             SRX17740
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG3,L30);                             SRX17750
       HEADA1='RKWNDCL';                                                       SRX17760
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                            SRX17770
       HEADA1='WL  TN';                                                        SRX17780
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG5,L30);                            SRX17790
       HEADA1='RK RUR';                                                        SRX17800
       CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                            SRX17810
       PUT SKIP(2) EDIT(CHG21,CHG31)(X(24),A(29),A(13));                       SRX17820
       PUT SKIP(0) EDIT(CHG22,CHG32)(X(24),A(29),A(13));                       SRX17830
       PUT SKIP(1) EDIT(CHG23,CHG33)(X(24),A(29),A(13));                       SRX17840
       PUT SKIP(1) EDIT(CHG41,CHG51,CHG61,CHG41,CHG51,CHG61)                   SRX17850
             (X(17),A(9),A(11),A(11),A(9),A(11),A(5));                         SRX17860
       PUT SKIP(0) EDIT(CHG42,CHG52,CHG62,CHG42,CHG52,CHG62)                   SRX17870
             (X(17),A(9),A(11),A(11),A(9),A(11),A(5));                         SRX17880
       PUT SKIP(1) EDIT(CHG43,CHG53,CHG63,CHG43,CHG53,CHG63)                   SRX17890
             (X(17),A(9),A(11),A(11),A(9),A(11),A(5)); PUT SKIP;               SRX17900
      DO I=14, 1 TO 13;                                                        SRX17910
       CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                         SRX17920
       DT(1)=SWGT(I,1); DT(2)=TAB4(1,I,1); DT(3)=TAB4(4,I,1);                  SRX17930
       DT(4)=SWGT(I,2); DT(5)=TAB4(2,I,1); DT(6)=TAB4(5,I,1);                  SRX17940
     PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 6))(X(1),A(12),F(9,1),F(9,2),         SRX17950
         F(11,2),X(2),F(9,1),F(9,2),F(11,2));                                 SRX17960
       PUT SKIP(0) EDIT(HHG2)(X(1),A(12));                                     SRX17970
       PUT SKIP EDIT(HHG3)(X(1),A(12));                                        SRX17980
       IF I=14 THEN PUT SKIP(2);                                               SRX17990
       IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;                   SRX18000
  END;  END TB12_1;                                                            SRX18010
   TB13_1: PROC;                                                               SRX18020
      CALL TITRTN;                                                             SRX18030
      HEADA1='VY 13-1 WLTN EMDFKRDBF';                                         SRX18040
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                             SRX18050
       PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                                    SRX18060
       PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                                    SRX18070
       PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                                    SRX18080
      HEADA1='QLWJSTNS';                                                       SRX18090
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                             SRX18100
      HEADA1='QLWJSSUSAKF';                                                    SRX18110
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                             SRX18120
      HEADA1='QL1SUSWJS';                                                      SRX18130
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG7,L30);                             SRX18140
       PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(32),A(13));                       SRX18150
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  PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(32),A(13));                    SRX18160
  PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(32),A(13));                    SRX18170
PUT SKIP(1) EDIT(CHG51,CHG41,CHG61,CHG71,CHG51,CHG41,CHG61,CHG71)      SRX18180
       (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));               SRX18190
PUT SKIP(0) EDIT(CHG52,CHG42,CHG62,CHG72,CHG52,CHG42,CHG62,CHG72)      SRX18200
       (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));               SRX18210
PUT SKIP(1) EDIT(CHG53,CHG43,CHG63,CHG73,CHG53,CHG43,CHG63,CHG73)      SRX18220
       (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));               SRX18230
 PUT SKIP;                                                             SRX18240
 DO I=14, 1 TO 13;                                                     SRX18250
   CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                     SRX18260
  DT(1)=TAB4(1,I,1); DT(2)=TAB4(1,I,1)/TAB4(1,I,2)*100-100;           SRX18270
  DT(3)=TAB4(1,I,1)/TAB4(1,I,3)*100-100;                              SRX18280
  DT(4)=TAB4(1,I,1)/TAB4(1,I,4)*100-100;                              SRX18290
  DT(5)=TAB4(2,I,1); DT(6)=TAB4(2,I,1)/TAB4(2,I,2)*100-100;           SRX18300
  DT(7)=TAB4(2,I,1)/TAB4(2,I,3)*100-100;                              SRX18310
  DT(8)=TAB4(2,I,1)/TAB4(2,I,4)*100-100;                              SRX18320
PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 8))(X(1),A(8),F(7,2),F(7,1),      SRX18330
F(9,1),F(8,1),X(3),F(7,2),F(7,1),F(9,1),F(8,1));                      SRX18340
  PUT SKIP(0) EDIT(HHG2)(X(1),A(14));                                 SRX18350
  PUT SKIP EDIT(HHG3)(X(1),A(14));                                    SRX18360
  IF I=14 THEN PUT SKIP(2);                                           SRX18370
  IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;               SRX18380
END;  END TB13_1;                                                     SRX18390
TB14_1: PROC;                                                         SRX18400
  CALL TITRTN;                                                        SRX18410
  HEADA1='VY 14-1 WLTN RLDUEH';                                       SRX18420
  CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                        SRX18430
  PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                                SRX18440
  PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                                SRX18450
  PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                                SRX18460
  PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(32),A(13));                   SRX18470
  PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(32),A(13));                   SRX18480
  PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(32),A(13));                   SRX18490
PUT SKIP(1) EDIT(CHG51,CHG41,CHG61,CHG71,CHG51,CHG41,CHG61,CHG71)     SRX18500
       (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));              SRX18510
PUT SKIP(0) EDIT(CHG52,CHG42,CHG62,CHG72,CHG52,CHG42,CHG62,CHG72)     SRX18520
       (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));              SRX18530
PUT SKIP(1) EDIT(CHG53,CHG43,CHG63,CHG73,CHG53,CHG43,CHG63,CHG73)     SRX18540
       (X(11),A(7),A(6),A(9),A(12),A(7),A(6),A(9),A(7));              SRX18550
PUT SKIP;                                                             SRX18560
  DO I=14, 1 TO 13;                                                   SRX18570
   CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                    SRX18580
   DT(1)=TAB4(1,I,1);                                                 SRX18590
  DT(2)=((TAB4(1,I,1)-TAB4(1,I,2))*SWGT(I,1)*100)/(TAB4(1,14,2)       SRX18600
          *SWGT(14,1));                                               SRX18610
  DT(3)=((TAB4(1,I,1)-TAB4(1,I,3))*SWGT(I,1)*100)/(TAB4(1,14,3)       SRX18620
          *SWGT(14,1));                                               SRX18630
  DT(4)=((TAB4(1,I,1)-TAB4(1,I,4))*SWGT(I,1)*100)/(TAB4(1,14,4)       SRX18640
          *SWGT(14,1));                                               SRX18650
   DT(5)=TAB4(2,I,1);                                                 SRX18660
  DT(6)=((TAB4(2,I,1)-TAB4(2,I,2))*SWGT(I,2)*100)/(TAB4(2,14,2)       SRX18670
          *SWGT(14,2));                                               SRX18680
  DT(7)=((TAB4(2,I,1)-TAB4(2,I,3))*SWGT(I,2)*100)/(TAB4(2,14,3)       SRX18690
          *SWGT(14,2));                                               SRX18700
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        DT(8)=((TAB4(2,I,1)-TAB4(2,I,4))*SWGT(I,2)*100)/(TAB4(2,14,4)   SRX18710
                *SWGT(14,2));                                           SRX18720
      PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 8))(X(1),A(8),2 F(7,2),F(9,2),SRX18730
      F(8,2),X(3),2 F(7,2),F(9,2),F(8,2));                              SRX18740
         PUT SKIP(0) EDIT(HHG2)(X(1),A(14));                            SRX18750
         PUT SKIP EDIT(HHG3)(X(1),A(14));                               SRX18760
         IF I=14 THEN PUT SKIP(2);                                      SRX18770
         IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;          SRX18780
    END; END TB14_1;                                                    SRX18790
  TB15_1: PROC;                                                         SRX18800
    CALL TITRTN;                                                        SRX18810
      HEADA1='VY 15-1 RKRUR EMDEKR';                                    SRX18820
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                      SRX18830
      PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                              SRX18840
      PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                              SRX18850
      PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                              SRX18860
         HEADA1='WJS    TNS';                                          SRX18870
         CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                   SRX18880
         HEADA1='RMA     TNS';                                         SRX18890
         CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG5,L30);                   SRX18900
         HEADA1='EMDFKRDOR';                                            SRX18910
         CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                   SRX18920
         HEADA1='EMDFKRDBF';                                            SRX18930
         CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG7,L30);                   SRX18940
      PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(32),A(13));                 SRX18950
      PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(32),A(13));                 SRX18960
      PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(32),A(13));                 SRX18970
    PUT SKIP(1) EDIT(CHG41,CHG51,CHG61,CHG71,CHG41,CHG51,CHG61,CHG71)   SRX18980
         (X(10),A(10),A(10),A(7),A(7),A(11),A(9),A(9),A(5));            SRX18990
    PUT SKIP(0) EDIT(CHG42,CHG52,CHG62,CHG72,CHG42,CHG52,CHG62,CHG72)   SRX19000
         (X(10),A(10),A(10),A(7),A(7),A(11),A(9),A(9),A(5));            SRX19010
    PUT SKIP(1) EDIT(CHG43,CHG53,CHG63,CHG73,CHG43,CHG53,CHG63,CHG73)   SRX19020
         (X(10),A(10),A(10),A(7),A(7),A(11),A(9),A(9),A(5));            SRX19030
    PUT SKIP;                                                           SRX19040
   DO I=1 TO 13;                                                        SRX19050
    CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                     SRX19060
    DT(1)=TAB4(4,I,2); DT(2)=TAB4(4,I,1);                               SRX19070
    DT(3)=TAB4(4,I,1)-TAB4(4,I,2);                                      SRX19080
    DT(4)=TAB4(4,I,1)/TAB4(4,I,2)*100-100;                              SRX19090
    DT(5)=TAB4(5,I,2); DT(6)=TAB4(5,I,1);                               SRX19100
    DT(7)=TAB4(5,I,1)-TAB4(5,I,2);                                      SRX19110
    DT(8)=TAB4(5,I,1)/TAB4(5,I,2)*100-100;                              SRX19120
    PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 8))(X(1),A(6),2 (F(10,2),       SRX19130
       F(10,2),F(8,2),F(6,1)));                                         SRX19140
    PUT SKIP(0) EDIT(HHG2)(X(1),A(8));                                  SRX19150
    PUT SKIP EDIT(HHG3)(X(1),A(8));                                     SRX19160
    IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;               SRX19170
   END;  END TB15_1;                                                    SRX19180
   TB15_2: PROC;                                                        SRX19190
    CALL TITRTN;                                                        SRX19200
      HEADA1='VY 15-2 RKRUR QLRY';                                      SRX19210
      CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG8,L30);                      SRX19220
      PUT SKIP(3) EDIT(CHG81)(X(1),A(50));                              SRX19230
      PUT SKIP(0) EDIT(CHG82)(X(1),A(50));                              SRX19240
      PUT SKIP(1) EDIT(CHG83)(X(1),A(50));                              SRX19250
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```
        HEADA1='WJSSUSAKFDNJF';                                          SRX19260
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG4,L30);                     SRX19270
        HEADA1='WJSSUSEHDTNS';                                           SRX19280
        CALL HGBATCH(FUNC,RTC,HEADA1,L30,CTHG6,L30);                     SRX19290
        PUT SKIP(2) EDIT(CHG21,CHG31)(X(20),A(31),A(13));                SRX19300
        PUT SKIP(0) EDIT(CHG22,CHG32)(X(20),A(31),A(13));                SRX19310
        PUT SKIP(1) EDIT(CHG23,CHG33)(X(20),A(31),A(13));                SRX19320
        PUT SKIP(1) EDIT(CHG41,CHG61,CHG51,CHG41,CHG61,CHG51)            SRX19330
           (X(13),A(12),A(10),A(11),A(10),A(10),A(7));                   SRX19340
        PUT SKIP(0) EDIT(CHG42,CHG62,CHG52,CHG42,CHG62,CHG52)            SRX19350
           (X(13),A(12),A(10),A(11),A(10),A(10),A(7));                   SRX19360
        PUT SKIP(1) EDIT(CHG43,CHG63,CHG53,CHG43,CHG63,CHG53)            SRX19370
           (X(13),A(12),A(10),A(11),A(10),A(10),A(7)); PUT SKIP;         SRX19380
     DO I=1 TO 13;                                                       SRX19390
      CALL HGBATCH(FUNC,RTC,HGTB4(I),L30,HEADHG,L30);                    SRX19400
       DT(1)=TAB4(4,I,3); DT(2)=TAB4(4,I,4);                             SRX19410
       DT(3)=TAB4(4,I,1); DT(4)=TAB4(5,I,3);                             SRX19420
       DT(5)=TAB4(5,I,4); DT(6)=TAB4(5,I,1);                             SRX19430
       PUT SKIP EDIT(HHG1,(DT(K) DO K=1 TO 6))(X(1),A(10),3 F(10,2),     SRX19440
            X(2),3 F(10,2));                                             SRX19450
       PUT SKIP(0) EDIT(HHG2)(X(1),A(10));                               SRX19460
       PUT SKIP EDIT(HHG3)(X(1),A(10));                                  SRX19470
       IF I=2 | I=4 | I=6 | I=8 | I=10 | I=12 THEN PUT SKIP;             SRX19480
     END; END TB15_2;                                                    SRX19490
   SAVRTN: PROC;                                                         SRX19500
        HGTB4(I)=HGCHAR; SWGT(I,J)=PUMWGT;                               SRX19510
        TAB4(J,I,1)=DEX(SERSE); TAB4(J+3,I,1)=DEXPRICE(SERSE);           SRX19520
        TAB4(J,I,2)=DEX(SRS1); TAB4(J+3,I,2)=DEXPRICE(SRS1);             SRX19530
        TAB4(J,I,3)=DEX(SRS3); TAB4(J+3,I,3)=DEXPRICE(SRS3);             SRX19540
        TAB4(J,I,4)=DEX(SRS4); TAB4(J+3,I,4)=DEXPRICE(SRS4);             SRX19550
        SWGT(14,J)=SWGT(14,J)+PUMWGT;                                    SRX19560
        TOTDEX(2,J)=TOTDEX(2,J)+DEX(SRS1)*PUMWGT;                        SRX19570
        TOTDEX(3,J)=TOTDEX(3,J)+DEX(SRS3)*PUMWGT;                        SRX19580
        TOTDEX(4,J)=TOTDEX(4,J)+DEX(SRS4)*PUMWGT;                        SRX19590
        TOTDEX(1,J)=TOTDEX(1,J)+DEX(SERSE)*PUMWGT;                       SRX19600
     END SAVRTN;                                                         SRX19610
    END SENGGEBI;                                                        SRX19620
 /*********************************************************************/ SRX19630
    BACKRTN:    PROC;                                                    SRX19640
      DCL TAPE FILE RECORD OUTPUT;                                       SRX19650
      OPEN FILE(ISAM) SEQUENTIAL INPUT;                                  SRX19660
      OPEN FILE(TAPE);                                                   SRX19670
      ON ENDFILE(ISAM) GOTO BACKLAST;                                    SRX19680
    BACKRD:  READ FILE(ISAM) INTO(ISAMREC);                              SRX19690
      WRITE FILE(TAPE) FROM(ISAMREC);                                    SRX19700
      GOTO BACKRD;                                                       SRX19710
    BACKLAST: CLOSE FILE(ISAM),FILE(TAPE);                               SRX19720
       END SUBTBRTN;                                                     SRX19730
       LAST:                                                             SRX19740
          CLOSE FILE(CARD);                                              SRX19750
  % INCLUDE HANPRTS ;                                                    
       END MASTER;                                                       SRX19770
  /*********************************************************************/SRX19780
/*
//LKED.SYSLIB DD DSN=SYS1.LINKLIB,DISP=SHR                               SRX03970
```

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```
//LKED.SYSPRINT DD SYSOUT=O                                              SRX03980
//GO.SYSPRINT DD SYSOUT=O                                                SRX03990
//GO.ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                          SRX19830
//  UNIT=SYSDA,VOL=SER=BOSWK1                                            SRX19840
//GO.TAPE DD DSN=BOS11,UNIT=TAPE,                                        SRX19850
//    DCB=(RECFM=F,BLKSIZE=2401),DISP=(NEW,KEEP)                         SRX19860
//GO.CARD DD *                                                           SRX19870
TBMN    284014                                                         SRX19880
/*
//                                                                       DEF00020
```

SRXWLA54

(都市別價格 DATA LOAD 및 TABLE : 平均)

FILE: SRXWLA54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWLA54 JOB CLASS=1,MSGCLASS=0,TYPRUN=HOLD                          SRX00010
//     EXEC PLIFHG,TIME=1200                                           SRX00020
//PLI.SYSPRINT DD SYSOUT=0                                             SRX00030
//PLI.SYSIN DD *                                                       SRX00040
* PROCESS S,GS,NEST,A,OPT(TIME),FLOW(10,100),INCLUDE;                  SRX00050
 MASTER : PROC OPTIONS (MAIN);                                        SRX00060
          DCL  ISAM FILE RECORD KEYED ENV(INDEXED);                   SRX00070
          DCL SERSE  PIC '999';                                       SRX00080
          DCL SERSE2 PIC '999';                                       SRX00090
          DCL 1 ISAMREC,                                              SRX00100
              2 KEY          CHAR (7) ,                               SRX00110
              2 TSBUN        CHAR(6) ,                                SRX00120
              2 HGCHAR       CHAR(25) ,                               SRX00130
              2 SGCOD        CHAR(6),                                 SRX00140
              2 SELECTCOD    CHAR(1) ,                                SRX00150
              2 PUMWGT       FIXED BIN (15) ALIGNED,                  SRX00160
              2 CITYWGT      FIXED BIN (15) ALIGNED,                  SRX00170
              2 DATA1  (147),                                         SRX00180
                 3 STDPRICE  FIXED BIN (31) ALIGNED,                  SRX00190
                 3 MAKPRICE  FIXED BIN (31) ALIGNED,                  SRX00200
                 3 DEXPRICE  FIXED BIN (31) ALIGNED,                  SRX00210
                 3 DEX       FIXED BIN (31) ALIGNED ;                 SRX00220
        DCL  RICE(6,45)  CHAR(8);                                     SRX02590
          DCL PUM PIC '(5)9' DEF KEY,                                 SRX00230
              KEY1 PIC '99' DEF KEY POS(6);                           SRX00240
          DCL CARD FILE RECORD INPUT;                                 SRX00250
          DCL 1 CARDREC,                                              SRX00260
              2 OPT    CHAR (4) ,                                     SRX00270
              2 FILLER1 CHAR(4),                                      SRX00280
              2 CID    PIC '9',                                       SRX00290
              2 YMS    CHAR(5),                                       SRX00300
              2 FI2    CHAR(66);                                      SRX00310
          DCL YY PIC '99' DEF YMS,                                    SRX00320
              MM PIC '99' DEF YMS POS(3),                             SRX00330
              SN PIC '9'  DEF YMS POS(5);                             SRX00340
          OPEN FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66);             SRX00350
          OPEN     FILE(CARD);                                        SRX00360
          OPEN    FILE(SYSIN);
          ON ENDFILE(CARD)   GOTO LAST;                               SRX00370
          DO I = 1 TO 6;
           DO JEE = 1 TO 37 BY 9;
            GET SKIP EDIT((RICE(I,KEE) DO KEE = JEE TO JEE + 4))(5A(8));;
            GET SKIP EDIT((RICE(I,KEE) DO KEE = JEE+5 TO JEE+8))(5A(8));
           END;
           GET SKIP;
          END;
 CARDRD : READ  FILE(CARD)   INTO(CARDREC);                           SRX00380
          SERSE =(((YY - 82) * 49)+ ((MM - 1) * 4)) + SN;             SRX00390
          SERSE2 =(((YY - 83) * 49)+ ((MM - 1) * 4))+ SN;             SRX00400
          IF  OPT = 'TBSN' | OPT = 'TBMN' THEN  CALL SUBTBRTN;        SRX00410
          GOTO CARDRD;                                                SRX00420
 SUBTBRTN : PROCEDURE;                                                SRX00430
          CALL  SRSRTN;                                               SRX00440
          DCL TPRC  (10) FLOAT;                                       SRX00450
          DCL TDEX  (10)  FLOAT;                                      SRX00460
```

```
         DCL O      PIC '99';                                                  SRX00470
         DCL TAB1 (6,50,10)  FLOAT;                                            SRX00480
         DCL DAY PIC '99';                                                     SRX00490
         DCL JYY PIC '99';                                                     SRX00500
      DCL P    PIC '999' INIT(1);                                              SRX00510
      DCL SRS1  PIC '999',                                                     SRX00520
          SRS2  PIC '999',                                                     SRX00530
          SRS3  PIC '999',                                                     SRX00540
          SRS4  PIC '999';                                                     SRX00550
      DCL SRSB1 PIC '999',                                                     SRX00560
          SRSB2 PIC '999',                                                     SRX00570
          SRSB3 PIC '999',                                                     SRX00580
          SRSB4 PIC '999';                                                     SRX00590
      DCL TOTDEX1  (2)  PIC '9999V99';     /* TAB #7 */                        SRX00600
      DCL CITY     PIC '99';                                                   SRX00610
      DCL MARGIN1  PIC '(7)9';                                                 SRX00620
      DCL NOMIKEY  (2) PIC '(7)9' INIT(9999901,9999999);                       SRX00630
      DCL NOMI          PIC '(7)9';                                            SRX00640
      DCL INDEX1        PIC '9';                                               SRX00650
      DCL SW            PIC '9'  INIT(0);                                      SRX00660
      DCL SAVEPUM       PIC '(5)9';                                            SRX00670
      DCL SAVEHG   CHAR(25);                                                   SRX00680
      DCL COUNT    PIC '99' INIT(2);                                           SRX00690
      DCL J     PIC   '999' INIT(1);                                           SRX00700
      DCL TAB4  (6,21,4)    FLOAT;                                             SRX00710
      DCL HGTB4 (21)   CHAR(25);                                               SRX00720
      DCL PCOD4 (21) PIC '99999' INIT(99999,19999,10199,10299,10399,           SRX00730
                 10499,10599,10699,10799,10899,10999,11099,11199,              SRX00740
                 11299,11399,11499,88888,29999,39999,49999,59999);             SRX00750
      DCL HED   PIC '99'; DCL TIT   PIC '99'; DCL PP PIC '99';                 SRX00760
      DAY=SN*10-5;                                                             SRX00770
      IF SN=4 THEN DAY=0;                                                      SRX00780
          IF  OPT  = 'TBSN'  THEN DO;                                          SRX00790
          IF  CID  = 1       THEN GOTO LAST;                                   SRX00800
          CALL TB12RTN;                                                        SRX00810
          END;                                                                 SRX00820
          ELSE DO;                                                             SRX00830
              PUT PAGE;                                                        SRX00840
              CALL TB12RTN;                                                    SRX00850
          END;                                                                 SRX00860
 /*************************************************************************/   SRX00870
HEADRTN : PROCEDURE;                                                           SRX00880
          DCL HEADA1 CHAR(50);                                                 SRX00890
          PUT PAGE;                                                            SRX00900
          IF HED = 5 THEN DO;                                                  SRX00910
          HEADA1 = 'EHTLQUF WNDYTKDVNA THAKLRKRURVY'; PP = 5;                  SRX00920
          PUT SKIP(2) EDIT('TAB #',PP,'1980 = 100')                            SRX00930
          (X(10),A,F(2),X(95),A);                                              SRX00940
          CALL HPUT1 ('OS',1,64,30,HEADA1);                                    SRX00950
          PUT SKIP(1) EDIT('==========================',                       SRX00960
                           YY,MM)(X(61),A,X(10),2(F(2),X(4)));                 SRX00970
          CALL HPUT3('OS',0,100,2,'SUS',4,2,'DNJF',4,4,'VUD RBS') ;            SRX00980
          END;                                                                 SRX00990
          END HEADRTN;                                                         SRX01000
/*************************************************************************/    SRX01010
```

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```
 SRSRTN :  PROCEDURE;                                                    SRX01020
           IF MM = 1 THEN DO;                                            SRX01030
              IF SN=1 THEN DO;                                           SRX01040
                 SRS1=SERSE-3;                                           SRX01050
                 SRS2=SERSE-5;                                           SRX01060
                 SRSB1=SERSE2-3;                                         SRX01070
                 SRSB2=SERSE2-5;                                         SRX01080
                       END;                                              SRX01090
              ELSE IF SN=4 THEN DO;                                      SRX01100
                 SRS1=SERSE-5;                                           SRX01110
                 SRSB1=SERSE2-5;                                         SRX01120
                       END;                                              SRX01130
              ELSE DO;                                                   SRX01140
                 SRS1=SERSE-1;                                           SRX01150
                 SRS2=SERSE-5;                                           SRX01160
                 SRSB1=SERSE2-1;                                         SRX01170
                 SRSB2=SERSE2-5;                                         SRX01180
                       END;                                              SRX01190
                END;                                                     SRX01200
           ELSE DO;                                                      SRX01210
              IF SN = 1 THEN DO;                                         SRX01220
                 SRS1 = SERSE - 2;                                       SRX01230
                 SRS2 = SERSE - 4;                                       SRX01240
                 SRSB1 = SERSE2 - 2;                                     SRX01250
                 SRSB2 = SERSE2 - 4;                                     SRX01260
                       END;                                              SRX01270
              ELSE IF SN = 4 THEN DO;                                    SRX01280
                 SRS1 = SERSE - 4;                                       SRX01290
                 SRSB1 = SERSE2 - 4;                                     SRX01300
                       END;                                              SRX01310
              ELSE DO;                                                   SRX01320
                 SRS1 = SERSE - 1;                                       SRX01330
                 SRS2 = SERSE - 4;                                       SRX01340
                 SRSB1 = SERSE2 - 1;                                     SRX01350
                 SRSB2 = SERSE2 - 4;                                     SRX01360
                       END;                                              SRX01370
                END;                                                     SRX01380
           SRS3=97;                                                      SRX01390
           SRS4=SERSE-49;                                                SRX01400
           SRSB3=48;                                                     SRX01410
           SRSB4=SERSE2-49;                                              SRX01420
           END SRSRTN;                                                   SRX01430
/*********************************************************************/  SRX01440
 TB12RTN : PROCEDURE;                                                    SRX01450
          DCL TAB12  (5,100,10)  FLOAT;                                  SRX01460
          DCL PUM12  (100)        PIC '(5)9';                            SRX01470
          DCL HGP12  (100)       CHAR(25);   DCL SRJAV PIC '999';        SRX01480
          DCL SR5 PIC '999'; DCL SR15 PIC '999'; DCL SR25 PIC '999';     SRX01490
          DCL COD12 (100) PIC '(5)9'                                     SRX01500
              INIT(10101,10102,10104,10105,10106,10107,10111,10201,      SRX01510
                   10202,10203,10301,10302,10303,10304,10309,10402,      SRX01520
                   10403,10404,10405,10501,10502,10503,10601,10602,      SRX01530
                   10604,10605,10606,10607,10609,10614,10701,10702,      SRX01540
                   10801,10802,10803,10805,10806,10807,10808,10810,      SRX01550
                   10811,10812,10901,10902,10907,11001,11003,11004,      SRX01560
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                  11010,11101,11102,11112,11202,11206,11301,11302,      SRX01570
                  11401,11405,20205,20210,20323,20401,20403,20404,      SRX01580
                  20414,20501,20601,30201,30202,30204,40101,40102,      SRX01590
                  40103,40104,40109,40111,40119,40121,40304,40305,      SRX01600
                  40417,40419,50101,50102,50103,50104,50115,50116,      SRX01610
                  50117,50201,50202,50203,50205,50207,50211,50213,      SRX01620
                  50219,50512,50513,50716);                             SRX01630
         DCL L   PIC '99';                                              SRX01640
         DCL M   PIC '99';                                              SRX01650
         DCL N   PIC '99';                                              SRX01660
         DCL SCOD  (5) CHAR(6) INIT('J-AV','K-AV','5-DAY','15-DAY',     SRX01670
                               '25-DAY');                               SRX01680
         HED = 5;                                                       SRX01690
         CALL HEADRTN;                                                  SRX01700
 CALL HPUT6('OS',3,1,37,'ZH  EM   VNA  AHR                          ',  SRX01710
                        0,16,'TJ  DNF   QN  TKS   ',                    SRX01720
                        0,16,'EO  RN   DLS CJS   ',                     SRX01730
                        0,16,'EO WJS   RHKD  WN   ',                    SRX01740
                        0,16,'WJS  WN   CNS  CJS   ',                   SRX01750
                        0,5,'CJD  WN') ;                                SRX01760
         OPEN  FILE(ISAM)   SEQUENTIAL  INPUT;                          SRX01770
         ON  ENDFILE(ISAM)  GOTO LAST12RTN;                             SRX01780
         IF MM = 01 THEN DO;                                            SRX01790
         IF SN= 1 THEN DO;                                              SRX01800
            SRJAV=SERSE-2;                                              SRX01810
            SR5=SERSE-4;                                                SRX01820
            SR15=SERSE-3;                                               SRX01830
            SR25=SERSE;                                                 SRX01840
         END;                                                           SRX01850
         ELSE IF SN=2 THEN DO;                                          SRX01860
            SRJAV=SERSE-3;                                              SRX01870
            SR5=SERSE-4;                                                SRX01880
            SR15=SERSE-1;                                               SRX01890
            SR25=SERSE;   END;                                          SRX01900
         ELSE IF SN=3 THEN DO;                                          SRX01910
            SRJAV=SERSE-4;                                              SRX01920
            SR5=SERSE-2;                                                SRX01930
            SR15=SERSE-1;                                               SRX01940
            SR25=SERSE;   END;                                          SRX01950
         ELSE IF SN=4 THEN DO;                                          SRX01960
            SRJAV=SERSE-5;                                              SRX01970
            SR5=SERSE-3;                                                SRX01980
            SR15=SERSE-2;                                               SRX01990
            SR25=SERSE-1;                                               SRX02000
            END;                                                        SRX02010
            END;                                                        SRX02020
         ELSE DO;                                                       SRX02030
            IF SN=1 THEN DO;                                            SRX02040
            SRJAV=SERSE-1;                                              SRX02050
            SR5=SERSE-3;                                                SRX02060
            SR15=SERSE-2;                                               SRX02070
            SR25=SERSE;  END;                                           SRX02080
         ELSE IF SN=2 THEN DO;                                          SRX02090
            SRJAV=SERSE-2;                                              SRX02100
            SR5=SERSE-3;                                                SRX02110
```

```
            SR15=SERSE-1;                                                SRX02120
            SR25=SERSE;  END;                                            SRX02130
         ELSE  IF SN=3 THEN DO;                                          SRX02140
            SRJAV=SERSE-3;                                               SRX02150
            SR5=SERSE-2;                                                 SRX02160
            SR15=SERSE-1;                                                SRX02170
            SR25=SERSE;  END;                                            SRX02180
         ELSE IF SN=4 THEN DO;                                           SRX02190
            SRJAV=SERSE-4;                                               SRX02200
            SR5=SERSE-3;                                                 SRX02210
            SR15=SERSE-2;                                                SRX02220
            SR25=SERSE-1;                                                SRX02230
            END;                                                         SRX02240
         END;                                                            SRX02250
READ12RTN : READ   FILE(ISAM)  INTO(ISAMREC);                            SRX02260
         DO  I = 1 TO 100;                                               SRX02270
         IF  PUM = COD12 (I)  THEN  GOTO NEXT121;                        SRX02280
         END;                                                            SRX02290
         GOTO READ12RTN;                                                 SRX02300
NEXT121 : TAB12 (1,I,1) = DEXPRICE (SRJAV);                              SRX02310
         TAB12 (2,I,1) = DEXPRICE (SERSE);                               SRX02320
         TAB12 (3,I,1) = DEXPRICE (SR5);                                 SRX02330
         TAB12 (4,I,1) = DEXPRICE (SR15);                                SRX02340
         TAB12 (5,I,1) = DEXPRICE (SR25);                                SRX02350
         TAB12(1,I,1) = TAB12(1,I,1) / 100;                              SRX02360
         TAB12(2,I,1) = TAB12(2,I,1) / 100;                              SRX02370
         TAB12(3,I,1) = TAB12(3,I,1) / 100;                              SRX02380
         TAB12(4,I,1) = TAB12(4,I,1) / 100;                              SRX02390
         TAB12(5,I,1) = TAB12(5,I,1) / 100;                              SRX02400
         PUM12 (I) = PUM;                                                SRX02410
         HGP12 (I) = HGCHAR;                                             SRX02420
         DO L = 1 TO 9;                                                  SRX02430
         N = L + 1;                                                      SRX02440
         READ  FILE(ISAM)   INTO(ISAMREC);                               SRX02450
         TAB12 (1,I,N) = DEXPRICE (SRJAV);                               SRX02460
         TAB12 (2,I,N) = DEXPRICE (SERSE);                               SRX02470
         TAB12 (3,I,N) = DEXPRICE (SR5) ;                                SRX02480
         TAB12 (4,I,N) = DEXPRICE (SR15);                                SRX02490
         TAB12 (5,I,N) = DEXPRICE (SR25);                                SRX02500
         TAB12(1,I,N) = TAB12(1,I,N) / 100;                              SRX02510
         TAB12(2,I,N) = TAB12(2,I,N) / 100;                              SRX02520
         TAB12(3,I,N) = TAB12(3,I,N) / 100;                              SRX02530
         TAB12(4,I,N) = TAB12(4,I,N) / 100;                              SRX02540
         TAB12(5,I,N) = TAB12(5,I,N) / 100;                              SRX02550
         END;                                                            SRX02560
         GOTO READ12RTN;                                                 SRX02570
LAST12RTN : IF SN ¬= 4 THEN TAB12(2,*,*)=0;                              SRX02580
         K = 1 ;      CALL  DOL ;                                        SRX03250
         K = 2 ;      CALL  DOL ;                                        SRX03260
         K = 3 ;      CALL  DOL ;                                        SRX03270
         K = 4 ;      CALL  DOL ;                                        SRX03280
         K = 5 ;      CALL  DOL ;                                        SRX03290
         K = 6 ;      PUT SKIP(2) ;                                      SRX03300
                      CALL  DOL ;                                        SRX03300
DOL   :  PROC ;                                                          SRX03310
```

```
        PUT SKIP(4) EDIT((RICE(K,M) DO M =  1 TO 9)  (X(35),9 A(8));  SRX03320
        PUT SKIP(3) EDIT((RICE(K,M) DO M = 10 TO 18)) (X(35),9 A(8));  SRX03330
        PUT SKIP(2) EDIT((RICE(K,M) DO M = 19 TO 27)) (X(35),9 A(8));  SRX03340
        PUT SKIP(1) EDIT((RICE(K,M) DO M = 28 TO 36)) (X(35),9 A(8));  SRX03350
        PUT SKIP(1) EDIT((RICE(K,M) DO M = 37 TO 45)) (X(35),9 A(8));  SRX03360
        END  DOL ;                                                     SRX03370
        DCL HYPHEN  CHAR(10)  INIT ('         -') ;                    SRX03380
        DCL TABL12  (5,100,10)  PIC 'BZZZBZZ9' ;                       SRX03390
        DCL PR      (5,100,10)  CHAR (8) ;                             SRX03400
        DCL SS                PIC '9'  INIT (0) ;                      SRX03410
        I = 1 ;                                                        SRX03420
SEARCH : IF I ) 100 THEN GOTO FINISH ;                                 SRX03430
          /******  CALL  DOL  ************/                           SRX03440
        IF PUM12(I) = 10902 | PUM12(I) = 11101 | PUM12(I) = 11206 |    SRX03450
           PUM12(I) = 10605              THEN  CALL  DOL_C ;           SRX03460
        ELSE  DO ;                                                     SRX03470
        TAB12(*,I,*)     =  TAB12(*,I,*) + 0.5 ;                       SRX03480
        TABL12(*,I,*)  =  TAB12(*,I,*) ;                              SRX03490
        PR   (*,I,*)     =  TABL12(*,I,*) ;                            SRX03500
        CALL  DOL_B ;                                                  SRX03510
        CALL  DOL_A ;                                                  SRX03520
        END ;                                                          SRX03530
        I = I + 1 ;                                                    SRX03540
        GOTO  SEARCH ;                                                 SRX03550
        /************************************  DOL  :  PROC ;         SRX03560
             DO J = 1 TO 5 ;                                           SRX03570
             DO K = I TO 9 ;                                           SRX03580
             IF TAB12(J,I,K) ( 100 THEN SS = 1 ;                       SRX03590
             END ;  END  ;  END  DOL  ;  *********************/       SRX03600
DOL_B : PROC ;                                                         SRX03610
        DO J = 1 TO 5 ;                                                SRX03620
        DO K = I TO 9 ;                                                SRX03630
        IF TAB12(J,I,K) ( 1 THEN PR(J,I,K) = HYPHEN ;                  SRX03640
        END ;  END  ;  END  DOL_B  ;                                   SRX03650
DOL_A : PROC ;                                                         SRX03660
        CALL HPUT1('OS',3,9,15,HGP12(I)) ;                             SRX03670
        PUT SKIP(0) EDIT(PUM12(I),SCOD(1),(PR(1,I,L) DO L=1 TO 9))     SRX03680
                  (X(2),F(5),X(17),A(6),X(5),9 A(8)) ;                 SRX03690
        PUT SKIP(3) EDIT(SCOD(2),(PR(2,I,L) DO L=1 TO 9))              SRX03700
                  (X(24),A(6),X(5),9 A(8)) ;                           SRX03710
        PUT SKIP(2) EDIT(SCOD(3),(PR(3,I,L) DO L=1 TO 9))              SRX03720
                  (X(24),A(6),X(5),9 A(8)) ;                           SRX03730
        DO  M = 4  TO 5 ;                                              SRX03740
        PUT SKIP(1) EDIT(SCOD(M),(PR(M,I,L) DO L=1 TO 9))              SRX03750
                  (X(24),A(6),X(5),9 A(8)) ;                           SRX03760
                  END ;  END  DOL_A ;                                  SRX03770
DOL_C : PROC ;                                                         SRX03780
        CALL HPUT1('OS',3,9,15,HGP12(I));                              SRX03790
        PUT SKIP(0) EDIT(PUM12(I),SCOD(1),(TAB12(1,I,L) DO L=1 TO 9))  SRX03800
                  (X(2),F(5),X(17),A(6),X(5),9 F(8,2)) ;               SRX03810
        PUT SKIP(3) EDIT(SCOD(2),(TAB12(2,I,L) DO L=1 TO 9))           SRX03820
                  (X(24),A(6),X(5),9 F(8,2)) ;                         SRX03830
        PUT SKIP(2) EDIT(SCOD(3),(TAB12(3,I,L) DO L=1 TO 9))           SRX03840
                  (X(24),A(6),X(5),9 F(8,2)) ;                         SRX03850
        DO  M = 4  TO 5 ;                                              SRX03860
```

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FILE: SRXWLA54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

         PUT SKIP(1) EDIT(SCOD(M),(TAB12(M,I,L) DO L=1 TO 9))          SRX03870
                     (X(24),A(6),X(5),9 F(8,2)) ;                      SRX03880
                     END ;  END  DOL_C ;                               SRX03890
 FINISH : CLOSE FILE(ISAM);                                            SRX03900
         END  TB12RTN;                                                 SRX03910
         END SUBTBRTN;                                                 SRX03920
 LAST :  CLOSE FILE(CARD);                                             SRX03930
 % INCLUDE HANPRTS;                                                   SRX03940
         END MASTER;                                                   SRX03950
/*                                                                     SRX03960
//LKED.SYSLIB DD DSN=SYS1.LINKLIB,DISP=SHR                            SRX03970
//LKED.SYSPRINT DD SYSOUT=O                                           SRX03980
//GO.SYSPRINT DD SYSOUT=O                                             SRX03990
//GO.ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                       SRX04000
//  UNIT=SYSDA,VOL=SER=BOSWK1                                         SRX04010
//*    =======  KEY IN SPECIAL DATA DEPENDING ON IT'S FORMAT. ======  SRX04020
//GO.CARD DD *                                                        SRX04030
TBMN    284014                                                      SRX04040
/*                                                                  SRX04050
//GO.SYSIN DD *
   6 500   6 028   6 000   6 400   6 000
   6 000   5 967   6 000   6 200
   6 567   6 167   6 167   6 492   6 169
   6 167   6 033   6 100   6 300
   6 500   6 000   6 000   6 400   6 000
   6 000   5 950   6 000   6 200
   6 500   6 083   6 000   6 450   6 000
   6 000   5 950   6 000   6 200
   6 700   6 417   6 500   6 625   6 500
   6 500   6 200   6 300   6 500
           /**********  10  **********/                               SRX02700
   6 000   5 583   5 500   5 600   5 550
   5 533   5 500   5 567   5 717
   6 027   5 722   5 500   5 600   5 700
   5 667   5 500   5 800   5 800
   6 000   5 583   5 500   5 600   5 600
   5 600   5 500   5 700   5 750
   6 000   5 667   5 500   5 600   5 600
   5 600   5 500   5 700   5 750
   6 080   5 917   5 500   5 600   5 900
   5 800   5 500   6 000   5 900
           /**********  20  **********/                               SRX02810
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
           /**********  30  **********/                               SRX02920
   5 070   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070
```

```
   5 070    5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070    5 070
   5 070    5 070    5 070    5 070
            /***********  40  ***********/                              SRX03030
   5 250    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    5 000
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
            /***********  50  ***********/                              SRX03140
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
            /***********  60  ***********/                              SRX03140
/*                                                                     SRX04060
//
```

SPXWTB54

市場別價格 UPDATE 및 TABLE

FILE: SRXWTB54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWTB54 JOB CLASS=V,TYPRUN=HOLD,MSGCLASS=O                          SRX00070
//       EXEC PLIFHG                                                   SRX00080
//PLI.SYSIN DD *                                                       SRX00030
* PROCESS GS,NEST,OPT(TIME);                                          SRX00040
   MARKET: PROC OPTIONS(MAIN);                                        SRX00050
      DCL  DISK FILE RECORD KEYED ENV(INDEXED),                       SRX00060
           HGBATCH  ENTRY OPTIONS(ASSEMBLER),                         SRX00070
           FUNC     CHAR(2) INIT('IO'),                               SRX00080
           RTC      CHAR(2),                                          SRX00090
           SERSE    PIC '999',                                        SRX00100
           SRS1     PIC '999',                                        SRX00110
           SKEY     CHAR(7)  ;                                        SRX00120
      DCL  HED  PIC '9';                                              SRX00130
      DCL SW PIC '9' INIT(0);                                         SRX00140
      DCL SEOUL FLOAT BIN (53),                                       SRX00150
          SIGANG FLOAT BIN (53),                                      SRX00160
          CHA FLOAT BIN (53);                                         SRX00170
  DCL PTAB (100) PIC '(5)9' INIT(10101,10102,10104,10105,10106,10107  SRX00180
      ,10111,10201,10202,10203,10301,10302,10303,10304,10309,10402,   SRX00190
       10403,10404,10405,10501,10502,10503,10601,10602,10604,10605,   SRX00200
       10606,10607,10609,10614,10701,10702,10801,10802,10803,10805,   SRX00210
       10806,10807,10808,10810,10811,10812,10901,10902,10907,11001,   SRX00220
  11003,11004,11010,11101,11102,11112,11202,11206,11301,11302,11401,  SRX00230
       11405,20205,20210,20323,20401,20403,20404,20414,20501,20601,   SRX00240
       30201,30202,30204,40101,40102,40103,40104,40109,40111,         SRX00250
       40119,40121,40304,40305,40417,40419,50101,50102,50103,50104,   SRX00260
       50115,50116,50117,50201,50202,50203,50205,50207,50211,         SRX00270
       50213,50219,50512,50513,50716);                                SRX00280
      DCL 1 HEADHG,              /******************/                 SRX00290
           2 HHG1 CHAR(132),                                          SRX00300
           2 HHG2 CHAR(132),                                          SRX00310
           2 HHG3 CHAR(132);                                          SRX00320
      DCL  RICE(6,50)  CHAR(7);                                       SRX02830
      DCL L30 FIXED BIN(15) INIT(30),                                 SRX00330
          LOUT FIXED BIN(15) INIT(30);                                SRX00340
      DCL ISAM FILE RECORD KEYED ENV(INDEXED);                        SRX00350
      DCL 1 ISAMREC,                                                  SRX00360
           2 KEY  CHAR(5),                                            SRX00370
           2 DOSI CHAR(2),                                            SRX00380
           2 BUN9 CHAR(6),                                            SRX00390
           2 FF   CHAR(36),                                           SRX00400
           2 DATA (147),                                              SRX00410
             3 FA1 CHAR(8),                                           SRX00420
             3 DEXPRICE FIXED BIN (31) ALIGNED,                       SRX00430
             3 FA2 CHAR(4);                                           SRX00440
      DCL JARY (11)  FLOAT BIN (31);                                  SRX00450
      DCL KARY (11)  FLOAT BIN (31);                                  SRX00460
      DCL CHRY (11)  FLOAT BIN (31);                                  SRX00470
      DCL DARY (11)  FLOAT BIN (31);                                  SRX00480
      DCL HARY (11)  FLOAT BIN (31);                                  SRX00490
      DCL CARY (11)  FLOAT BIN (31);                                  SRX00500
      DCL CH1   FLOAT BIN (31),                                       SRX00510
          CH2   FLOAT BIN (31),                                       SRX00520
          CH3   FLOAT BIN (31);                                       SRX00530
      DCL 1 DISKREC,                                                  SRX00540
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FILE: SRXWTB54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

          2 F1     CHAR(1),                                                  SRX00550
          2 DKEY   CHAR(7),                                                  SRX00560
          2 DHAN   CHAR(25),                                                 SRX00570
          2 DMARKET  (96) FIXED BIN (31) ALIGNED;                            SRX00580
     DCL PUM PIC '(5)9' DEF DKEY, KEY1 PIC '99' DEF DKEY POS(6);             SRX00590
     DCL CARD FILE RECORD INPUT ;                                            SRX00600
     DCL 1 CARDREC,                                                          SRX00610
          2 CID    PIC '9'  ,                                               SRX00620
          2 CYY    PIC '99' ,                                               SRX00630
          2 CMM    PIC '99' ,                                               SRX00640
          2 CSN    PIC '9'  .                                               SRX00650
          2 CKEY   CHAR (7) ,                                               SRX00660
          2 F2     CHAR (7) ,                                               SRX00670
          2 CPRICE CHAR(10) ,                                               SRX00680
          2 F3     CHAR(50);                                                SRX00690
          OPEN FILE(CARD);                                                  SRX00700
          ON ENDFILE(CARD) GOTO LAST;                                       SRX00710
          OPEN FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66);                   SRX00720
          DO LEE = 1 TO 6;
           DO JEE = 1 TO 46 BY 5;
            GET SKIP EDIT((RICE(LEE,KEE) DO KEE=JEE TO JEE+4))(5 A(7));
           END;.
           GET SKIP;
          END;
RD:       READ FILE(CARD) INTO(CARDREC) ;                                   SRX00730
          SERSE=(((CYY-83)*48)+((CMM-1) * 4)) + CSN;                        SRX00740
          SRS1=(((CYY-82)*49)+((CMM-1)*4))+CSN;                             SRX00750
          CALL UPDATERTN ;                                                  SRX00760
          CALL TAB1;                                                        SRX00770
          CALL TAB2 ;                                                       SRX00780
          CALL BACKRTN;                                                     SRX00790
          IF CSN ¬= 3 THEN GOTO RD ;                                        SRX00800
     /*********************************************/                        SRX00810
          SERSE=(((CYY-83)*48)+((CMM-1) * 4)) + 4  ;                        SRX00820
          SW = 1 ;                                                          SRX00830
          CALL TAB1 ;                                                       SRX00840
          CALL TAB2 ;                                                       SRX00850
          CALL BACKRTN;                                                     SRX00860
          GOTO RD ;                                                         SRX00870
     /*********************************************/                        SRX00880
  UPDATERTN:  PROC ;                                                        SRX00890
     DCL  SPRICE PIC '(10)9';                                               SRX00900
     DCL  TOTAL  FLOAT BIN (53);                                            SRX00910
          OPEN FILE(DISK)   DIRECT UPDATE ;                                 SRX00920
          ON ENDFILE(CARD)  GOTO UPLAST1;                                   SRX00930
  RDCARD:                                                                   SRX00940
          READ FILE(CARD)   INTO(CARDREC) ;                                 SRX00950
          L = INDEX(CPRICE,' ');                                            SRX00960
          IF L = 0 THEN SPRICE = CPRICE;                                    SRX00970
                   ELSE SPRICE = SUBSTR(CPRICE,1,L-1);                      SRX00980
          SKEY = CKEY ;                                                     SRX00990
          READ FILE(DISK)  INTO(DISKREC) KEY(SKEY) ;                        SRX01000
          DMARKET(SERSE) = CPRICE ;                                         SRX01010
          REWRITE  FILE(DISK)  KEY(SKEY) FROM(DISKREC) ;                    SRX01020
          PUT SKIP(2) EDIT(DKEY,DMARKET(SERSE))                             SRX01030
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FILE: SRXWTB54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
                          (X(10),A(7),X(5),F(10));                          SRX01040
        GOTO RDCARD;                                                        SRX01050
UPLAST1:                                                                    SRX01060
        CLOSE FILE(DISK);                                                   SRX01070
        IF CID ^= 1 THEN GOTO NEXT1 ;                                       SRX01080
        OPEN FILE(DISK) SEQUENTIAL UPDATE;                                  SRX01090
        ON ENDFILE(DISK) BEGIN; CLOSE FILE(DISK); GOTO NEXT1; END;          SRX01100
  RD2: READ FILE(DISK) INTO(DISKREC);                                       SRX01110
        IF DMARKET(SERSE) = 0 THEN DO ;                                     SRX01120
        IF CSN=1 THEN  DMARKET(SERSE)=DMARKET(SERSE-2);                     SRX01130
 ELSE  DMARKET(SERSE) = DMARKET(SERSE-1);                                   SRX01140
        REWRITE  FILE(DISK) FROM(DISKREC);                                  SRX01150
        END ;                                                               SRX01160
        GOTO RD2;                                                           SRX01170
  NEXT1:                                                                    SRX01180
        OPEN  FILE(DISK) SEQUENTIAL UPDATE;                                 SRX01190
        ON ENDFILE(DISK) GOTO UPLAST2;                                      SRX01200
  RD3: DO I = 1 TO 10 ;                                                     SRX01210
        READ FILE(DISK) INTO(DISKREC) ;                                     SRX01220
        TOTAL = TOTAL + DMARKET(SERSE);                                     SRX01230
        IF DMARKET(SERSE) ^= 0 THEN DO ;                                    SRX01240
        J = J + 1 ;                                                         SRX01250
        END ;                                                               SRX01260
        END ;                                                               SRX01270
        READ FILE(DISK) INTO(DISKREC) ;                                     SRX01280
        IF J=0 THEN DO; DMARKET(SERSE)=0; GOTO NEXT2; END;                  SRX01290
        DMARKET(SERSE)=TOTAL / J + 0.501;                                   SRX01300
NEXT2: REWRITE FILE(DISK) FROM(DISKREC) ;                                   SRX01310
        J = 0 ;   TOTAL=0;                                                  SRX01320
        GOTO RD3 ;                                                          SRX01330
  UPLAST2:                                                                  SRX01340
        IF CSN ^= 3 THEN GOTO UPLAST3;                                      SRX01350
        CLOSE FILE(DISK);                                                   SRX01360
        OPEN FILE(DISK) SEQUENTIAL UPDATE;                                  SRX01370
        ON ENDFILE(DISK) GOTO UPLAST3 ;                                     SRX01380
  RD4: READ FILE(DISK) INTO(DISKREC) ;                                      SRX01390
        CH1=DMARKET(SERSE-2); CH2=DMARKET(SERSE-1);                         SRX01400
        CH3=DMARKET(SERSE);  TOTAL=(CH1+CH2+CH3)/3+0.501;                   SRX01410
        DMARKET(SERSE+1) = TOTAL;                                           SRX01420
        REWRITE FILE(DISK) FROM(DISKREC) ;                                  SRX01430
        GOTO RD4;                                                           SRX01440
  UPLAST3:                                                                  SRX01450
        CLOSE FILE(DISK);  /* GISOO &  SIJANG CHAOAK CHECK_LIST */          SRX01460
        OPEN FILE(DISK) SEQUENTIAL INPUT;                                   SRX01470
        OPEN FILE(ISAM) SEQUENTIAL INPUT ;                                  SRX01480
        ON ENDFILE(DISK) GOTO UPEND;                                        SRX01490
        ON ENDFILE(ISAM) GOTO UPEND;                                        SRX01500
        PUT SKIP(3) EDIT('** CHECK_LIST **',CYY,CMM,CSN)                    SRX01510
                    (X(50),A,X(30),F(2),X(3),F(2),X(3),F(1));               SRX01520
   PUT SKIP(2) EDIT('CODE       SEOUL       MARKET       MARGIN')          SRX01530
               (X(10),A);                                                   SRX01540
  ISAMRD:                                                                   SRX01550
        DO I = 1 TO 10 ;                                                    SRX01560
        READ FILE(ISAM) INTO(ISAMREC) ;                                     SRX01570
        IF DOSI = '01' THEN DO ;                                            SRX01580
```

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          SEOUL = DEXPRICE(SRS1);                                                    SRX01590
          END ;                                                                      SRX01600
          END ;                                                                      SRX01610
          IF SUBSTR(KEY,4,2) = '88' | SUBSTR(KEY,4,2) = '99' THEN DO ;              SRX01620
              SEOUL = 0 ; GOTO ISAMRD;                                               SRX01630
              END ;                                                                  SRX01640
          DO J = 1 TO 11 ;                                                           SRX01650
          READ FILE(DISK) INTO(DISKREC) ;                                            SRX01660
          JARY(J)=DMARKET(SERSE);                                                    SRX01670
          IF SUBSTR(DKEY,6,2) = '99' THEN DO ;                                       SRX01680
          SIGANG = DMARKET(SERSE) ;                                                  SRX01690
          END ;                                                                      SRX01700
          END ;                                                                      SRX01710
          CHA = SEOUL - SIGANG ;                                                     SRX01720
          IF CHA = 0 THEN GOTO ISAMRD ;                                              SRX01730
     SEOUL=SEOUL/100;  SIGANG=SIGANG/100; JARY=JARY/100; CHA=CHA/100;                SRX01740
          PUT SKIP(2) EDIT (DKEY,SEOUL,SIGANG,CHA)                                   SRX01750
          (X(10),A(7),X(5),F(10,2),X(5),F(10,2),X(5),F(10,2));                       SRX01760
          DO I = 1 TO 10;                                                            SRX01770
          PUT SKIP(2) EDIT(I,JARY(I))(X(17),F(2),X(18),F(10,2));                     SRX01780
          END;                                                                       SRX01790
          GOTO ISAMRD ;                                                              SRX01800
  UPEND:  CLOSE FILE(DISK),FILE(ISAM);                                               SRX01810
          END UPDATERTN ;                                                            SRX01820
 /*************************************************************************/         SRX01830
     TAB1:    PROCEDURE;                                                            SRX01840
          PUT PAGE;                                                                  SRX01850
          CALL HEADRTN;                                                              SRX01860
          L30=25;                                                                    SRX01870
          OPEN  FILE(DISK) SEQUENTIAL INPUT;                                         SRX01880
          ON  ENDFILE(DISK)  GO TO TB1END ;                                          SRX01890
    RDT1: DO I = 1 TO 11 ;                                                           SRX01900
          READ FILE(DISK) INTO(DISKREC);                                             SRX01910
          IF SW=1 THEN DO ;                                                          SRX01920
          JARY(I) = DMARKET(SERSE-4);                                                SRX01930
          KARY(I) = DMARKET(SERSE);                                                  SRX01940
          CARY(I) = KARY(I) - JARY(I) ;                                              SRX01950
          IF JARY(I)=0 THEN DO; DARY(I)=0; GOTO NET1; END;                           SRX01960
          DARY(I) = (KARY(I)/JARY(I)-1) * 100;                                       SRX01970
    NET1: GOTO ENDT1;                                                                SRX01980
          END ;                                                                      SRX01990
          IF CSN = 1 THEN DO ;                                                       SRX02000
          JARY(I) = DMARKET(SERSE - 2);                                              SRX02010
          KARY(I) = DMARKET(SERSE);                                                  SRX02020
          CARY(I) = KARY(I)-JARY(I);                                                 SRX02030
          IF JARY(I)=0 THEN DO; DARY(I)=0; GOTO NET2; END;                           SRX02040
          DARY(I) = (KARY(I)/JARY(I)-1) * 100;                                       SRX02050
    NET2: GOTO ENDT1;                                                                SRX02060
          END ;                                                                      SRX02070
          JARY(I) = DMARKET(SERSE -1);                                               SRX02080
          KARY(I) = DMARKET(SERSE);                                                  SRX02090
          CARY(I) = KARY(I) - JARY (I);                                              SRX02100
          IF JARY(I)=0 THEN DO; DARY(I)=0; GOTO ENDT1; END;                          SRX02110
          DARY(I) = (KARY(I) / JARY(I) - 1) * 100 ;                                  SRX02120
     ENDT1:  END;                                                                    SRX02130
```

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```
      WT1R:                                                                    SRX02140
           JARY=JARY/100; KARY=KARY/100; CARY=CARY/100;                        SRX02150
           PUT SKIP(2);                                                        SRX02160
           CALL HGBATCH (FUNC,RTC,DHAN,L30,HEADHG,L30);                        SRX02170
           PUT SKIP(2) EDIT(HHG1)(X(7),A(15));                                 SRX02180
           PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                                 SRX02190
      PUT SKIP(1) EDIT(SUBSTR(DKEY,1,5),HHG3,(JARY(I) DO I=1 TO 11))           SRX02200
                     (X(1),A(5),X(1),A(15),11(F(10,2)));                       SRX02210
           PUT SKIP(2) EDIT((KARY(I) DO I = 1 TO 11))                          SRX02220
                           (X(22),11(F(10,2)));                                SRX02230
           PUT SKIP(2) EDIT((CARY(I) DO I = 1 TO 11))                          SRX02240
                           (X(22),11(F(10,2)));                                SRX02250
           PUT SKIP(2) EDIT((DARY(I) DO I = 1 TO 11))                          SRX02260
                           (X(22),11(F(10,2)));                                SRX02270
           GOTO RDT1;                                                          SRX02280
       TB1END:                                                                 SRX02290
           CLOSE FILE(DISK);                                                   SRX02300
           END TAB1;                                                           SRX02310
    /*****************************************************************/        SRX02320
       TAB2:    PROCEDURE ;                                                    SRX02330
           OPEN FILE(DISK) SEQUENTIAL INPUT;                                   SRX02340
           ON ENDFILE(DISK) GOTO TB2END;                                       SRX02350
           PUT PAGE;  DCL SW1 PIC '9' INIT(0);                                 SRX02360
           CALL HEADRTN;                                                       SRX02370
           L30=25;                                                             SRX02380
      RDT2: DO I = 1 TO 11;                                                    SRX02390
           READ FILE(DISK) INTO(DISKREC);                                      SRX02400
           DO J = 1 TO 100;                                                    SRX02410
           IF PUM = PTAB(J) THEN GOTO NEXT1;                                   SRX02420
           END;   SW1=1;                                                       SRX02430
           GOTO ENDT2;                                                         SRX02440
      NEXT1: IF SW = 1 THEN DO ;                                               SRX02450
           JARY(I) = DMARKET(SERSE-4);                                         SRX02460
           KARY(I) = DMARKET(SERSE);                                           SRX02470
           CARY(I) = DMARKET(SERSE-3);                                         SRX02480
           DARY(I) = DMARKET(SERSE-2);                                         SRX02490
           HARY(I) = DMARKET(SERSE-1);                                         SRX02500
           GOTO ENDT2;                                                         SRX02510
           END ;                                                               SRX02520
           IF CSN = 1 THEN DO ;                                                SRX02530
           JARY(I) = DMARKET(SERSE-1);                                         SRX02540
           CARY(I) = DMARKET(SERSE-3);                                         SRX02550
           DARY(I) = DMARKET(SERSE-2);                                         SRX02560
           HARY(I) = DMARKET(SERSE);                                           SRX02570
           GO TO ENDT2;                                                        SRX02580
           END ;                                                               SRX02590
           IF CSN = 2 THEN DO ;                                                SRX02600
           JARY(I) = DMARKET(SERSE-2);                                         SRX02610
           CARY(I) = DMARKET(SERSE-3);                                         SRX02620
           DARY(I) = DMARKET(SERSE-1);                                         SRX02630
           HARY(I) = DMARKET(SERSE);                                           SRX02640
           GO TO ENDT2;                                                        SRX02650
           END ;                                                               SRX02660
           IF CSN = 3 THEN DO ;                                                SRX02670
           JARY(I) = DMARKET(SERSE-3);                                         SRX02680
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          CARY(I) = DMARKET(SERSE-2);                                          SRX02690
          DARY(I) = DMARKET(SERSE-1);                                          SRX02700
          HARY(I) = DMARKET(SERSE);                                            SRX02710
          GO TO ENDT2;                                                         SRX02720
          END ;                                                                SRX02730
     ENDT2:  END;                                                              SRX02740
          IF SW1=1 THEN DO;                                                    SRX02750
          SW1=0;                                                               SRX02760
          GOTO RDT2;                                                           SRX02770
          END;                                                                 SRX02780
          JARY=JARY / 100; KARY=KARY / 100; CARY=CARY / 100;                   SRX02790
          DARY = DARY / 100;  HARY = HARY / 100;                               SRX02800
     WT2R:                                                                     SRX02810
          IF SUBSTR(DKEY,1,5) = '10101'  THEN  DO ;                            SRX02820
          K = 1 ;      CALL  DOL ;                                             SRX03490
          K = 2 ;      CALL  DOL ;                                             SRX03500
          K = 3 ;      CALL  DOL ;                                             SRX03510
          K = 4 ;      CALL  DOL ;                                             SRX03520
          K = 5 ;      CALL  DOL ;                                             SRX03530
          K = 6 ;      CALL  DOL ;                                             SRX03540
          END ;                                                                SRX03550
  DOL :   PROC ;                                                               SRX03560
          PUT SKIP(4) EDIT((RICE(K,M) DO M =  1 TO 10))                        SRX03570
                      (X(33),10 A(7)) ;                                        SRX03580
          IF SW=1 THEN DO ;                                                    SRX03590
          PUT SKIP(3) EDIT((RICE(K,M) DO M = 11 TO 20))                        SRX03600
                      (X(33),10 A(7));                                         SRX03610
          END ;                                                                SRX03620
          PUT SKIP(2) EDIT((RICE(K,M) DO M = 21 TO 30))                        SRX03630
                      (X(33),10 A(7)) ;                                        SRX03640
          PUT SKIP(1) EDIT((RICE(K,M) DO M = 31 TO 40))                        SRX03650
                      (X(33),10 A(7)) ;                                        SRX03660
          PUT SKIP(1) EDIT((RICE(K,M) DO M = 41 TO 50))                        SRX03670
                      (X(33),10 A(7)) ;                                        SRX03680
          END  DOL ;                                                           SRX03690
          DCL  HYPHEN      CHAR(7)  INIT('      -') ;                          SRX03700
          DCL  A(11)       PIC      'ZZZBZZ9'  ,                              SRX03710
               B(11)       PIC      'ZZZBZZ9'  ,                              SRX03720
               C(11)       PIC      'ZZZBZZ9'  ,                              SRX03730
               D(11)       PIC      'ZZZBZZ9'  ,                              SRX03740
               E(11)       PIC      'ZZZBZZ9'  ;                              SRX03750
          DCL  A1(11)      CHAR(7) ,                                          SRX03760
               B1(11)      CHAR(7) ,                                          SRX03770
               C1(11)      CHAR(7) ,                                          SRX03780
               D1(11)      CHAR(7) ,                                          SRX03790
               E1(11)      CHAR(7) ;                                          SRX03800
          DCL SOSU         PIC '9'  INIT(0) ;                                 SRX03810
          DO I = 1 TO 10 ;                                                    SRX03820
             IF  JARY(I) < 100  &  JARY(I) > 0  THEN  SOSU = 1 ;              SRX03830
          END ;                                                               SRX03840
             IF  SOSU = 1  THEN  DO ;                                         SRX03850
          CALL HGBATCH (FUNC,RTC,DHAN.L30,HEADHG.L30);                        SRX03860
          PUT SKIP(4) EDIT(SUBSTR(DKEY,1,5),HHG1,                             SRX03870
                      (JARY(I) DO I = 1 TO 10))                               SRX03880
                      (A(5),X(3),A(15),X(10),10 F(7,2)) ;                     SRX03890
```

```
      PUT SKIP(0) EDIT(HHG2)(X(8),A(15));                                SRX03900
      PUT SKIP(1) EDIT(HHG3)(X(8),A(15));                                SRX03910
      IF SW=1 THEN DO ;                                                  SRX03920
      PUT SKIP(2) EDIT((KARY(I) DO I = 1 TO 10))                         SRX03930
                        (X(33),10 F(7,2));                               SRX03940
      END ;                                                              SRX03950
      PUT SKIP(2) EDIT((CARY(I) DO I = 1 TO 10))                         SRX03960
                        (X(33),10 F(7,2)) ;                              SRX03970
      PUT SKIP(1) EDIT((DARY(I) DO I = 1 TO 10))                         SRX03980
                        (X(33),10 F(7,2)) ;                              SRX03990
      PUT SKIP(1) EDIT((HARY(I) DO I = 1 TO 10))                         SRX04000
                        (X(33),10 F(7,2)) ;                              SRX04010
          SOSU = 0 ;  END ;                                              SRX04020
          ELSE DO ;                                                      SRX04030
      DO M = 1 TO 10 ;                                                   SRX04040
         A(M) = JARY(M) + 0.5 ;                                          SRX04050
         B(M) = KARY(M) + 0.5 ;                                          SRX04060
         C(M) = CARY(M) + 0.5 ;                                          SRX04070
         D(M) = DARY(M) + 0.5 ;                                          SRX04080
         E(M) = HARY(M) + 0.5 ;                                          SRX04090
      END ;                                                              SRX04100
      DO M = 1 TO 10 ;                                                   SRX04110
         A1(M) = A(M) ;                                                  SRX04120
         B1(M) = B(M) ;                                                  SRX04130
         C1(M) = C(M) ;                                                  SRX04140
         D1(M) = D(M) ;                                                  SRX04150
         E1(M) = E(M) ;                                                  SRX04160
      END ;                                                              SRX04170
      DO M = 1 TO 10 ;                                                   SRX04180
        IF JARY(M) < 1     THEN  A1(M) = HYPHEN ;                        SRX04190
        IF KARY(M) < 1     THEN  B1(M) = HYPHEN ;                        SRX04200
        IF CARY(M) < 1     THEN  C1(M) = HYPHEN ;                        SRX04210
        IF DARY(M) < 1     THEN  D1(M) = HYPHEN ;                        SRX04220
        IF HARY(M) < 1     THEN  E1(M) = HYPHEN ;                        SRX04230
      END ;                                                              SRX04240
      CALL HGBATCH (FUNC,RTC,DHAN,L30,HEADHG,L30);                       SRX04250
      PUT SKIP(4) EDIT(SUBSTR(DKEY,1,5),HHG1,                            SRX04260
                       (A1(I) DO I = 1 TO 10))                           SRX04270
                      (A(5),X(3),A(15),X(10),10 A(7)) ;                  SRX04280
      PUT SKIP(0) EDIT(HHG2)(X(8),A(15));                                SRX04290
      PUT SKIP(1) EDIT(HHG3)(X(8),A(15));                                SRX04300
      IF SW=1 THEN DO ;                                                  SRX04310
      PUT SKIP(2) EDIT((B1(I) DO I = 1 TO 10))                           SRX04320
                        (X(33),10 A(7));                                 SRX04330
      END ;                                                              SRX04340
      PUT SKIP(2) EDIT((C1(I) DO I = 1 TO 10))                           SRX04350
                        (X(33),10 A(7)) ;                                SRX04360
      PUT SKIP(1) EDIT((D1(I) DO I = 1 TO 10))                           SRX04370
                        (X(33),10 A(7)) ;                                SRX04380
      PUT SKIP(1) EDIT((E1(I) DO I = 1 TO 10))                           SRX04390
                        (X(33),10 A(7)) ;                                SRX04400
      END ;                                                              SRX04410
      GO TO RDT2;                                                        SRX04420
      TB2END:                                                            SRX04430
      CLOSE FILE(DISK);                                                  SRX04440
```

```
      END TAB2;                                                                  SRX04450
      /*************************************************************/            SRX04460
           HEADRTN:  PROCEDURE;                                                  SRX04470
           DCL HEAD   CHAR(50);                                                  SRX04480
           L30=50;  LOUT=17;                                                     SRX04490
           HEAD ='TJDNF TLWKDQUF RKRURVY (WJSVNAAHR)';                           SRX04500
           CALL HGBATCH (FUNC,RTC,HEAD,L30,HEADHG,LOUT);                         SRX04510
           PUT SKIP(3) EDIT(HHG1)(X(50),A(17));                                  SRX04520
           PUT SKIP(0) EDIT(HHG2)(X(50),A(17));                                  SRX04530
           PUT SKIP(1) EDIT(HHG3)(X(50),A(17));                                  SRX04540
       PUT SKIP(2) EDIT(CYY,CMM,CSN)(X(10),F(2),X(3),F(2),X(3),F(1));            SRX04550
       PUT SKIP(3) EDIT('NO    ITEM                0101     0102      ',        SRX04560
       '0103     0104     0105     0106     0107     ',                         SRX04570
       '0108     0109     0110     0199     BIGO')(X(1),A,A,A);                  SRX04580
           END   HEADRTN ;                                                       SRX04590
   /*****************************************************************/           SRX04600
    BACKRTN:    PROC;                                                          SRX04610
      DCL TAPE FILE RECORD OUTPUT;                                             SRX04620
      OPEN FILE(DISK) SEQUENTIAL INPUT;                                        SRX04630
      OPEN FILE(TAPE) SEQUENTIAL OUTPUT;                                       SRX04640
      ON ENDFILE(DISK) GOTO BACKLAST;                                          SRX04650
    BACKRD:  READ FILE(DISK) INTO(DISKREC);                                    SRX04660
      WRITE FILE(TAPE)  FROM(DISKREC);                                         SRX04670
      GOTO BACKRD;                                                             SRX04680
    BACKLAST:  CLOSE FILE(DISK),FILE(TAPE);                                    SRX04690
      END BACKRTN;                                                             SRX04700
      LAST:                                                                    SRX04710
           CLOSE  FILE(CARD);                                                  SRX04720
           END  MARKET;                                                        SRX04730
/*
//GO.ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                                SRX04750
//    UNIT=DISK,VOL=SER=BOSWK1                                                 SRX04760
//GO.DISK DD DSN=SRXAAD54(INDEX),DISP=(OLD,KEEP),UNIT=DISK,                    SRX04770
//     VOL=SER=BOSWK1                                                          SRX04780
//   DD DSN=SRXAAD54(PRIME),DISP=(OLD,KEEP),UNIT=DISK,                         SRX04790
//      VOL=SER=BOSWK1                                                         SRX04800
//GO.TAPE DD DSN=BOS11,UNIT=TAPE,DISP=(NEW,KEEP),                              SRX04810
//  DCB=(RECFM=FB,BLKSIZE=4170,LRECL=417)                                      SRX04820
//GO.SYSIN DD  *
  6 400  6 500  6 500  6 500  6 500                                            840
      -  6 600      -      -      -                                            850
  6 467  6 600  6 567  6 600  6 500                                            860
      -  6 667      -      -      -                                            870
  6 400  6 500  6 500  6 500  6 500                                            880
      -  6 600      -      -      -                                            890
  6 400  6 500  6 500  6 500  6 500                                            900
      -  6 600      -      -      -                                            910
  6 600  6 800  6 700  6 800  6 500                                            920
      -  6 800      -      -      -                                            930
         /***********  10  ***********/                                        SRX02940
  6 000  6 000  6 000  6 000  6 000                                            950
      -      -      -      -      -                                            960
  6 000  6 133  6 000  6 000  6 000                                            970
      -      -      -      -      -                                            980
  6 000  6 000  6 000  6 000  6 000                                            990
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     -       -       -       -       -                                  000
 6 000   6 000   6 000   6 000   6 000                                  010
     -       -       -       -       -                                  020
 6 000   6 400   6 000   6 000   6 000                                  030
     -       -       -       -       -                                  040
           /***********  20  ***********/                               SRX03050
 5 598   5 598   5 598   5 598   5 598                                  060
     -   5 598       -       -       -                                  070
 5 598   5 598   5 598   5 598   5 598                                  080
     -   5 598       -       -       -                                  090
 5 598   5 598   5 598   5 598   5 598                                  100
     -   5 598       -       -       -                                  110
 5 598   5 598   5 598   5 598   5 598                                  120
     -   5 598       -       -       -                                  130
 5 598   5 598   5 598   5 598   5 598                                  140
     -   5 598       -       -       -                                  150
           /***********  30  ***********/                               SRX03160
 5 070   5 070   5 070   5 070   5 070                                  170
     -   5 070       -       -       -                                  180
 5 070   5 070   5 070   5 070   5 070                                  190
     -   5 070       -       -       -                                  200
 5 070   5 070   5 070   5 070   5 070                                  210
     -   5 070       -       -       -                                  220
 5 070   5 070   5 070   5 070   5 070                                  230
     -   5 070       -       -       -                                  240
 5 070   5 070   5 070   5 070   5 070                                  250
     -   5 070       -       -       -                                  260
           /***********  40  ***********/                               SRX03270
 5 300   5 200   5 200   5 200   5 300                                  280
 5 400   5 200   5 300   5 200   5 200                                  290
 5 200   5 200   5 200   5 200   5 300                                  300
 5 400   5 200   5 300   5 200   5 200                                  310
 5 200   5 200   5 200   5 200   5 300                                  320
 5 400   5 200   5 300   5 200   5 200                                  330
 5 200   5 200   5 200   5 200   5 300                                  340
 5 400   5 200   5 300   5 200   5 200                                  350
 5 200   5 200   5 200   5 200   5 300                                  360
 5 400   5 200   5 300   5 200   5 200                                  370
           /***********  50  ***********/                               SRX03380
 3 500   3 500   3 500   3 500   3 500                                  390
 3 500   3 500   3 500   3 500   3 500                                  400
 3 500   3 500   3 500   3 500   3 500                                  410
 3 500   3 500   3 500   3 500   3 500                                  420
 3 500   3 500   3 500   3 500   3 500                                  430
 3 500   3 500   3 500   3 500   3 500                                  440
 3 500   3 500   3 500   3 500   3 500                                  450
 3 500   3 500   3 500   3 500   3 500                                  460
 3 500   3 500   3 500   3 500   3 500                                  470
 3 500   3 500   3 500   3 500   3 500
           /***********  60  ***********/                               SRX03380
/*
//GO.CARD DD *                                                         SRX04830
184021                                                                 SRX04840
1840211010401        1000000                                           SRX04850
1840211010702        950000                                            SRX04850
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1840211020203       150000                                          SRX04850
1840211020208       150000                                          SRX04850
1840211020302       190000                                          SRX04850
1840211020303       190000                                          SRX04850
1840211020304       180000                                          SRX04850
1840211020305       180000                                          SRX04850
1840211020306       220000                                          SRX04850
1840211020307       193000                                          SRX04850
1840211020309       195000                                          SRX04850
1840211020310       200000                                          SRX04850
1840211030304       50000                                           SRX04850
1840211030305       45000                                           SRX04850
1840211031002       120000                                          SRX04850
1840211040303       2200000                                         SRX04850
1840211060401       300000                                          SRX04850
1840211060402       320000                                          SRX04850
1840211060403       320000                                          SRX04850
1840211060404       300000                                          SRX04850
1840211060405       320000                                          SRX04850
1840211060410       340000                                          SRX04850
1840211060601       35000                                           SRX04850
1840211060602       45000                                           SRX04850
1840211060603       40000                                           SRX04850
1840211060604       35000                                           SRX04850
1840211060605       35000                                           SRX04850
1840211060907       30000                                           SRX04850
1840211061603       60000                                           SRX04850
1840211080105       200000                                          SRX04850
1840211080810       116000                                          SRX04850
1840211080201       40000                                           SRX04850
1840211080202       35000                                           SRX04850
1840211080205       35000                                           SRX04850
1840211081609       88000                                           SRX04850
1840211091008       422000                                          SRX04850
1840211091207       335000                                          SRX04850
1840211100101       150000                                          SRX04850
1840211100102       150000                                          SRX04850
1840211100103       125000                                          SRX04850
1840211100104       130000                                          SRX04850
1840211100105       140000                                          SRX04850
1840211111203       250000                                          SRX04850
1840211120403       40000                                           SRX04850
1840214011903       500000                                          SRX04850
1840214011905       550000                                          SRX04850
1840214012003       270000                                          SRX04850
1840214012103       85000                                           SRX04850
1840214012105       85000                                           SRX04850
1840214012107       90000                                           SRX04850
1840214012203       110000                                          SRX04850
1840214012207       120000                                          SRX04850
1840215011705       1850000                                         SRX04850
1840215070801       166900                                          SRX04850
1840215070802       166900                                          SRX04850
1840215070803       166900                                          SRX04850
/*
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SPXWTR54

性質別指數 TABLE

FILE: SRXWTR54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWTR54 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD,MSGLEVEL=0                SRX00010
//     EXEC PLIFCLG,PARM='NOSOURCE'                                     SRX00020
//PLI.SYSPRINT DD SYSOUT=O                                              SRX00040
//PLI.SYSIN DD *                                                        SRX00040
* PROCESS GS,NEST,OPT(TIME);                                           SRX00050
   SUNGJIL: PROC OPTIONS(MAIN);                                         SRX00060
      DCL DISK FILE RECORD KEYED ENV(INDEXED);                          SRX00070
      DCL SERSE1     PIC '999',                                         SRX00080
          SERSE2     PIC '999',                                         SRX00090
          SRS1       PIC '999',                                         SRX00100
          SRS2       PIC '999',                                         SRX00110
          SRS3       PIC '999';                                         SRX00120
      DCL CARD FILE RECORD INPUT;                                       SRX00130
      DCL 1 CARDREC,                                                    SRX00140
           2 OPT  CHAR(4),                                              SRX00150
           2 F1   CHAR(1),                                              SRX00160
           2 CID  PIC '9',                                              SRX00170
           2 CYY  PIC '99',                                             SRX00180
           2 CMM  PIC '99',                                             SRX00190
           2 CSN  PIC '9',                                              SRX00200
           2 F2   CHAR(69);                                             SRX00210
      DCL 1 DISKREC,                                                    SRX00220
           2 DKEY   CHAR(7),                                            SRX00230
           2 BUN9   CHAR(6),                                            SRX00240
           2 HG     CHAR(25),                                           SRX00250
           2 SGCODE CHAR(4),                                            SRX00260
           2 SELECT CHAR(3),                                            SRX00270
           2 PUMWGT FIXED BIN (15) ALIGNED,                             SRX00280
           2 CTYWGT FIXED BIN (15) ALIGNED,                             SRX00290
           2 DATA (147),                                                SRX00300
            3 STDPRC  FIXED BIN (31) ALIGNED,                           SRX00310
            3 MAKPRC  FIXED BIN (31) ALIGNED,                           SRX00320
            3 DEXPRC  FIXED BIN (31) ALIGNED,                           SRX00330
            3 DEX     FIXED BIN (31) ALIGNED;                           SRX00340
      DCL TAB1 (2,4,5)  FLOAT BIN (53);                                 SRX00350
      DCL TAB2 (2,20,9) FLOAT BIN (53);                                 SRX00360
      DCL  D1  FLOAT,                                                   SRX00370
           D2  FLOAT,                                                   SRX00380
           D3  FLOAT,                                                   SRX00390
           K1  FLOAT,                                                   SRX00400
           K2  FLOAT,                                                   SRX00410
           K3  FLOAT;                                                   SRX00420
      DCL  A   PIC '9'  INIT(0);                                        SRX00430
      DCL  DDEX (4) PIC '999V9' INIT(0);                                SRX00440
      DCL SW1  PIC '9'  INIT(0);                                        SRX00450
      DCL SW  PIC '9'  INIT(0);                                         SRX00460
      DCL  M   PIC '99'  INIT(0);                                       SRX00470
      DCL  N   PIC '9'  INIT(1);                                        SRX00480
      DCL H   PIC '9'  INIT(1);  DCL SAVECOD CHAR(4);                   SRX00490
      DCL  NOKEY (2) CHAR(7) INIT('9999901','9999999');                 SRX00500
      DCL NKEY CHAR(7);                                                 SRX00510
      DCL TOTDEX (2,3) FLOAT;                                           SRX00520
      DCL SDEX (4)  FLOAT;                                              SRX00530
      DCL  SWGT  FLOAT ;                                                SRX00540
      DCL YDEX (4) FLOAT;                                               SRX00550
```

FILE: SRXWTR54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
     DCL CITY (2) CHAR(7) INIT('SEOUL','JUNDOSI');                          SRX00560
 /*************************************************************/            SRX00570
          OPEN FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66) ;                  SRX00580
          OPEN     FILE(CARD) ;                                             SRX00590
          ON ENDFILE(CARD) GOTO LAST;                                       SRX00600
     CARDRD:                                                                SRX00610
          READ FILE(CARD) INTO(CARDREC) ;                                   SRX00620
          SERSE1 = (((CYY - 82) * 49) + ((CMM - 1) * 4)) + CSN;             SRX00630
          IF CMM = 01 THEN DO ;                                             SRX00640
            IF CSN = 1 THEN DO ;                                            SRX00650
            SRS1 = SERSE1 -3 ;                                              SRX00660
            END ;                                                           SRX00670
          ELSE IF CSN = 4 THEN DO ;                                         SRX00680
            SRS1 = SERSE1 - 5;                                              SRX00690
            END ;                                                           SRX00700
           ELSE DO;                                                         SRX00710
           SRS1=SERSE1 - 1                                                  SRX00720
           END;                                                             SRX00730
          END ;                                                             SRX00740
          ELSE DO ;                                                         SRX00750
            IF CSN = 1 THEN DO ;                                            SRX00760
            SRS1 = SERSE1 - 2 ;                                             SRX00770
            END;                                                            SRX00780
          ELSE IF CSN = 4 THEN DO ;                                         SRX00790
            SRS1 = SERSE1 - 4 ;                                             SRX00800
            END ;                                                           SRX00810
          ELSE DO ;                                                         SRX00820
            SRS1 = SERSE1 - 1;                                              SRX00830
            END ;                                                           SRX00840
          END ;                                                             SRX00850
          SRS2 = 97 ;                                                       SRX00860
          SRS3 = SERSE1 - 49 ;                                              SRX00870
          OPEN FILE(DISK) DIRECT INPUT;                                     SRX00880
          DO I = 1 TO 2 ;                                                   SRX00890
          NKEY = NOKEY(I) ;                                                 SRX00900
          READ FILE(DISK) KEY(NKEY) INTO(DISKREC) ;                         SRX00910
          TOTDEX(I,1) = DEX(SRS1);                                          SRX00920
          TOTDEX(I,2) = DEX(SRS2);                                          SRX00930
          TOTDEX(I,3) = DEX(SRS3);                                          SRX00940
          END ;                                                             SRX00950
          TOTDEX=TOTDEX/100;                                                SRX00960
          CLOSE FILE(DISK);                                                 SRX00970
          OPEN FILE(DISK) SEQUENTIAL INPUT ;                                SRX00980
          CALL  EX109;                                                      SRX00990
          GOTO CARDRD;                                                      SRX01000
     EX109:   PROCEDURE;                                                    SRX01010
           TAB1=0;  TAB2=0;                                                 SRX01020
          DCL RETURN_CODE FIXED BIN(31,0);                                  SRX01030
          CALL PLISRTD (' SORT FIELDS=(10,2,CH,A,1,9,CH,A) ',               SRX01040
                        ' RECORD TYPE=F,LENGTH=(31) ',                      SRX01050
                        45000,                                              SRX01060
                        RETURN_CODE,                                        SRX01070
                        E15X,                                               SRX01080
                        E35X);                                              SRX01090
          IF RETURN_CODE = 16 THEN PUT SKIP EDIT ('SORT FAILED')(A);        SRX01100
```

```
          ELSE IF RETURN_CODE = 0 THEN DO ;                                  SRX01110
          PUT SKIP EDIT ('SORT COMPLETE')(A); CLOSE FILE(DISK); A=0;         SRX01120
                                        END;                                 SRX01130
               ELSE PUT SKIP EDIT ('INVALID SORT RETURN CODE')(A);           SRX01140
          CALL PLIRETC(RETURN_CODE);                                         SRX01150
     E15X:                                                                   SRX01160
          PROC RETURNS(CHAR(31));                                            SRX01170
          DCL INFIELD CHAR(31);                                              SRX01180
          DCL 1 AAA DEF INFIELD,                                             SRX01190
               2 SSGCOD CHAR(4),                                             SRX01200
               2 SSKEY  CHAR(7),                                             SRX01210
               2 SSWGT  FIXED BIN (31),                                      SRX01220
               2 SSDEX (4)  FIXED BIN (31);                                  SRX01230
          ON ENDFILE(DISK) BEGIN;                                            SRX01240
          A=1;                                                               SRX01250
          SSGCOD='9999';                                                     SRX01260
          GOTO LCHECK;                                                       SRX01270
          END ;                                                              SRX01280
          IF A=1 THEN DO;                                                    SRX01290
          CALL PLIRETC(8);                                                   SRX01300
          GOTO ENDE15;                                                       SRX01310
          END;                                                               SRX01320
     SORTRD:                                                                 SRX01330
          READ FILE(DISK) INTO(DISKREC);                                     SRX01340
          IF SUBSTR(DKEY,4,2) = '99' THEN GOTO SORTRD;                       SRX01350
          IF SUBSTR(DKEY,4,2) = '88' THEN GOTO SORTRD;                       SRX01360
          IF SUBSTR(DKEY,6,2) = '01' THEN GOTO MOVE1;                        SRX01370
          IF SUBSTR(DKEY,6,2) = '99' THEN GOTO MOVE1;                        SRX01380
          GOTO SORTRD;                                                       SRX01390
     MOVE1:  IF SGCODE = '    ' THEN GOTO SORTRD;                           SRX01400
          SSGCOD = SGCODE;                                                   SRX01410
          SSKEY = DKEY;                                                      SRX01420
          SSWGT = PUMWGT;                                                    SRX01430
          SSDEX(1)= DEX(SERSE1);                                             SRX01440
          SSDEX(2)= DEX(SRS1);                                               SRX01450
          SSDEX(3)= DEX(SRS2);                                               SRX01460
          SSDEX(4)= DEX(SRS3);                                               SRX01470
     LCHECK:                                                                 SRX01480
          CALL PLIRETC(12);                                                  SRX01490
          RETURN(INFIELD);                                                   SRX01500
     ENDE15:                                                                 SRX01510
          END E15X;                                                          SRX01520
     E35X:    PROC (INREC) ;                                                SRX01530
          DCL INREC CHAR(31);                                                SRX01540
          DCL 1 BBB DEF INREC,                                               SRX01550
               2 OSGCOD CHAR(4),                                             SRX01560
               2 OKEY   CHAR(7),                                             SRX01570
               2 OWGT   FIXED BIN (31),                                      SRX01580
               2 ODEX (4) FIXED BIN (31);                                    SRX01590
          CALL TB1;                                                          SRX01600
     NEXT:                                                                   SRX01610
          CALL PLIRETC(4);                                                   SRX01620
     TB1:    PROC;                                                           SRX01630
          IF SUBSTR(OKEY,6,2) = '99' & SW1 = 0 THEN CALL TOTRTN;             SRX01640
          IF OSGCOD = '9999' THEN DO;                                        SRX01650
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          CALL TOTRTN;                                                          SRX01660
          CALL T2WTN;                                                           SRX01670
          SW1=0;    N=1; H=1;                                                   SRX01680
          GOTO ENDE35;                                                          SRX01690
          END;                                                                  SRX01700
          IF SW = 0 THEN DO; CALL HEAD; GOTO NEXT1; END;                        SRX01710
          IF SUBSTR(OSGCOD,2,1) ¬= SUBSTR(SAVECOD,2,1) THEN DO;                 SRX01720
          CALL YU1; GOTO NEXT1; END;                                            SRX01730
          IF SUBSTR(OSGCOD,3,1) ¬= SUBSTR(SAVECOD,3,1) THEN DO;                 SRX01740
          CALL YU2; GOTO NEXT1; END ;                                           SRX01750
          IF SUBSTR(OSGCOD,4,1) ¬= SUBSTR(SAVECOD,4,1) THEN DO;                 SRX01760
          CALL YU3; GOTO NEXT1; END ;                                           SRX01770
     NEXT1:                                                                     SRX01780
          DO I = 1 TO 4 ;                                                       SRX01790
             SDEX (I) = ODEX(I);                                                SRX01800
          END ;                                                                 SRX01810
          SDEX=SDEX / 100 ;                                                     SRX01820
          SWGT = OWGT ;                                                         SRX01830
          SWGT = SWGT / 10 ;                                                    SRX01840
          DO I = 1 TO 4 ;                                                       SRX01850
          TAB1(1,I,5)=TAB1(1,I,5)+SWGT;                                         SRX01860
            DO J = 1 TO 4 ;                                                     SRX01870
          TAB1(1,I,J) = TAB1(1,I,J) + (SDEX(J) * SWGT);                         SRX01880
            END ;                                                               SRX01890
          END ;                                                                 SRX01900
          IF SDEX(2)=0 THEN DO; D1=0; GOTO NT1; END;                            SRX01910
          D1=(SDEX(1) / SDEX(2) -1) * 100;                                      SRX01920
     NT1: IF SDEX(3)=0 THEN DO; D2=0; GOTO NT2; END;                            SRX01930
          D2=(SDEX(1) / SDEX(3) -1) * 100;                                      SRX01940
     NT2: IF SDEX(4)=0 THEN DO; D3=0; GOTO NT3; END;                            SRX01950
          D3=(SDEX(1) / SDEX(4) -1) * 100;                                      SRX01960
     NT3: K1=((SDEX(1) - SDEX(2)) * SWGT) /(TOTDEX(H,1) * 10);                  SRX01970
          K2=((SDEX(1) - SDEX(3)) * SWGT) /(TOTDEX(H,2) * 10);                  SRX01980
          K3=((SDEX(1) - SDEX(4)) * SWGT) /(TOTDEX(H,3) * 10);                  SRX01990
          PUT SKIP(2) EDIT(SUBSTR(OKEY,1,5),SWGT,SDEX(1),SDEX(2),               SRX02000
              SDEX(3),SDEX(4),D1,D2,D3,K1,K2,K3)(X(5),A(5),X(5),                SRX02010
              F(6,1),X(5),F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),           SRX02020
             X(10),F(6,2),X(2),F(6,2),X(2),F(6,2),X(10),F(6,2),X(2),           SRX02030
              F(6,2),X(2),F(6,2));                                              SRX02040
          SW = 1;                                                               SRX02050
          SAVECOD = OSGCOD;                                                     SRX02060
      END TB1;                                                                  SRX02070
      YU3:     PROC;                                                            SRX02080
          DO I = 1 TO 4 ;                                                       SRX02090
          YDEX(I) = TAB1(1,1,I) / TAB1(1,1,5);                                  SRX02100
          DDEX(I) = YDEX(I) + 0.0501;                                           SRX02110
          END ;                                                                 SRX02120
          D1=(DDEX(1) / DDEX(2) -1) * 100 ;                                     SRX02130
          D2=(DDEX(1) / DDEX(3) -1) * 100 ;                                     SRX02140
          D3=(DDEX(1) / DDEX(4) -1) * 100 ;                                     SRX02150
          K1=((DDEX(1) - DDEX(2)) * TAB1(1,1,5)) / (TOTDEX(H,1) * 10);          SRX02160
          K2=((DDEX(1) - DDEX(3)) * TAB1(1,1,5)) / (TOTDEX(H,2) * 10);          SRX02170
          K3=((DDEX(1) - DDEX(4)) * TAB1(1,1,5)) / (TOTDEX(H,3) * 10);          SRX02180
          PUT SKIP(3) EDIT(SAVECOD,TAB1(1,1,5),YDEX(1),YDEX(2),                 SRX02190
              YDEX(3),YDEX(4),D1,D2,D3,K1,K2,K3)(X(5),A(4),X(6),                SRX02200
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```
          F(6,1),X(5),F(5,1),X(3),F(5,1),X(3),F(5,1),X(3),F(5,1),   SRX02210
        X(11),F(5,1),X(3),F(5,1),X(3),F(5,1),X(11),F(6,2),X(2),     SRX02220
          F(6,2),X(2),F(6,2));                                      SRX02230
          J=1;                                                      SRX02240
          CALL TB2ARY;                                              SRX02250
      DO I = 1 TO 5 ;                                               SRX02260
      TAB1(1,1,I) = 0 ;                                             SRX02270
      END ;                                                         SRX02280
END   YU3;                                                          SRX02290
YU2:      PROC;                                                     SRX02300
      CALL YU3;                                                     SRX02310
      DO I = 1 TO 4;                                                SRX02320
      YDEX(I) = TAB1(1,2,I) / TAB1(1,2,5);                          SRX02330
      DDEX(I) = YDEX(I) + 0.0501;                                   SRX02340
      END ;                                                         SRX02350
      D1=(DDEX(1) / DDEX(2) -1) * 100;                              SRX02360
      D2=(DDEX(1) / DDEX(3) -1) * 100;                              SRX02370
      D3=(DDEX(1) / DDEX(4) -1) * 100;                              SRX02380
      K1=((DDEX(1) - DDEX(2)) * TAB1(1,2,5)) / (TOTDEX(H,1) * 10); SRX02390
      K2=((DDEX(1) - DDEX(3)) * TAB1(1,2,5)) / (TOTDEX(H,2) * 10); SRX02400
      K3=((DDEX(1) - DDEX(4)) * TAB1(1,2,5)) / (TOTDEX(H,3) * 10); SRX02410
  PUT SKIP(3) EDIT(SUBSTR(SAVECOD,1,3),'0',TAB1(1,2,5),YDEX(1),    SRX02420
  YDEX(2),YDEX(3),YDEX(4),D1,D2,D3,K1,K2,K3)(X(5),A(3),A(1),X(7),  SRX02430
     F(6,1),X(5),F(5,1),X(3),F(5,1),X(3),F(5,1),X(3),F(5,1),       SRX02440
    X(11),F(5,1),X(3),F(5,1),X(3),F(5,1),X(11),F(6,2),X(2),        SRX02450
     F(6,2),X(2),F(6,2));                                          SRX02460
      J=2;                                                          SRX02470
      CALL TB2ARY;                                                  SRX02480
      DO I = 1 TO 5;                                                SRX02490
      TAB1(1,2,I) = 0 ;                                             SRX02500
      END ;                                                         SRX02510
END   YU2;                                                          SRX02520
YU1:      PROC;                                                     SRX02530
      CALL YU2;                                                     SRX02540
      DO I = 1 TO 4 ;                                               SRX02550
      YDEX(I) = TAB1(1,3,I) / TAB1(1,3,5);                          SRX02560
      DDEX(I) = YDEX(I) + 0.0501;                                   SRX02570
      END ;                                                         SRX02580
      D1=(DDEX(1) / DDEX(2) - 1) * 100;                             SRX02590
      D2=(DDEX(1) / DDEX(3) - 1) * 100;                             SRX02600
      D3=(DDEX(1) / DDEX(4) - 1) * 100;                             SRX02610
      K1=((DDEX(1) - DDEX(2)) * TAB1(1,3,5)) / (TOTDEX(H,1) * 10); SRX02620
      K2=((DDEX(1) - DDEX(3)) * TAB1(1,3,5)) / (TOTDEX(H,2) * 10); SRX02630
      K3=((DDEX(1) - DDEX(4)) * TAB1(1,3,5)) / (TOTDEX(H,3) * 10); SRX02640
PUT SKIP(3) EDIT(SUBSTR(SAVECOD,1,2),'00',TAB1(1,3,5),YDEX(1),     SRX02650
 YDEX(2),YDEX(3),YDEX(4),D1,D2,D3,K1,K2,K3)(X(5),A(2),A(2),X(8),   SRX02660
   F(6,1),X(5),F(5,1),X(3),F(5,1),X(3),F(5,1),X(3),F(5,1),X(11),   SRX02670
   F(5,1),X(3),F(5,1),X(3),F(5,1),X(11),F(6,2),X(2),F(6,2),X(2),   SRX02680
     F(6,2));                                                       SRX02690
      J=3;                                                          SRX02700
      CALL TB2ARY;                                                  SRX02710
      DO I = 1 TO 5 ;                                               SRX02720
      TAB1(1,3,I) = 0 ;                                             SRX02730
      END ;                                                         SRX02740
END YU1;                                                            SRX02750
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```
 TOTRTN:      PROC;
      CALL  YU1;
      DO I = 1 TO 4;
      YDEX(I) = TAB1(1,4,I) / TAB1(1,4,5);
      DDEX(I) = YDEX(I) + 0.0501;
      END ;
      D1=(DDEX(1) / DDEX(2) - 1) * 100;
      D2=(DDEX(1) / DDEX(3) - 1) * 100;
      D3=(DDEX(1) / DDEX(4) - 1) * 100;
      K1=((DDEX(1) - DDEX(2)) * TAB1(1,4,5)) / (TOTDEX(H,1) * 10);
      K2=((DDEX(1) - DDEX(3)) * TAB1(1,4,5)) / (TOTDEX(H,2) * 10);
      K3=((DDEX(1) - DDEX(4)) * TAB1(1,4,5)) / (TOTDEX(H,3) * 10);
      PUT SKIP(3) EDIT('2000',TAB1(1,4,5),YDEX(1),YDEX(2),YDEX(3),
      YDEX(4),D1,D2,D3,K1,K2,K3)(X(5),A(4),X(6),F(6,1),X(5),
      F(5,1),X(3),F(5,1),X(3),F(5,1),X(3),F(5,1),X(11),F(5,1),
      X(3),F(5,1),X(3),F(5,1),X(11),F(6,2),X(3),F(6,2),X(3),
      F(6,2));
      J=4;
      CALL TB2ARY;
      DO  I = 1 TO 5;
      TAB1(1,4,I) = 0 ;
      END ;
      SW1 = 1;
      PUT PAGE;
      N = 2 ;  SW=0;  H=2;
      M= 0 ;
      END TOTRTN ;
      HEAD:   PROC ;
 PUT SKIP(3) EDIT(CYY,CMM,CSN,'** SUNG JIL  GISOO **', CITY(H))
      (X(5),F(2),X(2),F(2),X(2),F(1),X(51),A,X(30),A);
      PUT SKIP(3) EDIT('*-------- JI SOO ---------*',
          '*---   DUNG RAK YUL ---*','*-- KI YU DO --*')
          (X(26),A,X(15),A,X(5),A);
  PUT SKIP(2) EDIT('CODE         WGT        K-S      J-S       J-M',
  '       J-D            J-S      J-M      J-D             J-S      J-M',
       '       J-D')(X(5),A,A,A);
      END HEAD;
 TB2ARY:     PROC;
      M=M + 1 ;
      TAB2(N,M,1)= TAB1(1,J,5);
      TAB2(N,M,2) = YDEX(1);
      TAB2(N,M,3) = YDEX(2);
      TAB2(N,M,4) = D1;
      TAB2(N,M,5) = D2;
      TAB2(N,M,6) = D3;
      TAB2(N,M,7) = K1;
      TAB2(N,M,8) = K2;
      TAB2(N,M,9) = K3;
      END  TB2ARY;
 T2WTN:  PROC;
DCL SGITM (20) CHAR(4) INIT('2111','2112','2110','2121','2122',
'2123','2124','2125','2120','2100','2211','2210','2221','2220','2231',
   '2230','2241','2240','2200','20000');
      DO I = 1 TO 2 ;
      PUT PAGE ;
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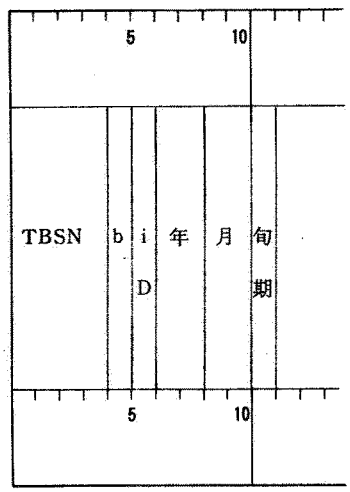
FILE: SRXWTR54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

            PUT SKIP(3) EDIT('TAB #2',I)(X(10),A,X(100),F(1));          SRX03310
     PUT SKIP(3) EDIT('                                *-GISOO-*        ',SRX03320
    '*DUNG RAK YUL*         *KI YU DO*')(A,A);                          SRX03330
     PUT SKIP(2) EDIT('     CODE        WGT      K-S      J-S      ',    SRX03340
    'J-D      J-M      JMD      J-K      J-M      JMD')(A,A);            SRX03350
          DO O = 1 TO 20;                                               SRX03360
            PUT SKIP(3) EDIT(SGITM(O),(TAB2(I,O,P) DO P=1 TO 9))        SRX03370
                    (X(5),A(4),X(5),9 (X(2),F(6,1)));                   SRX03380
          END ;                                                         SRX03390
          END ;                                                         SRX03400
       END T2WTN;                                                       SRX03410
    ENDE35: END E35X;                                                   SRX03420
        END EX109;                                                      SRX03430
     LAST: CLOSE FILE(DISK);                                            SRX03440
          END SUNGJIL;                                                  SRX03450
/*                                                                      SMI03400
//*KED.SYSLIB DD DSN=SYS1.LINKLIB,DISP=SHR
//LKED.SYSPRINT DD SYSOUT=O
//GO.SYSPRINT DD SYSOUT=O                                               SRX03490
//GO.DISK DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),UNIT=DISK,               SRX03500
//      VOL=SER=BOSWK1                                                  SRX03510
// DD DSN=SRXK54(PRIME),DISP=(OLD,KEEP),UNIT=DISK,VOL=SER=BOSWK1        SRX03520
//GO.SYSOUT DD SYSOUT=O                                                 SRX03530
//GO.SORTLIB DD DSN=ICE.SORTLIB,DISP=SHR                                SRX03540
//GO.SORTWK01 DD UNIT=3350,SPACE=(CYL,20,,CONTIG),VOL=SER=SORTWK        SRX03550
//GO.SORTWK02 DD UNIT=3350,SPACE=(CYL,20,,CONTIG),VOL=SER=SORTWK        SRX03560
//GO.SORTWK03 DD UNIT=3350,SPACE=(CYL,20,,CONTIG),VOL=SER=SORTWK        SRX03570
//GO.CARD DD *                                                          SRX03580
TBSN 184021                                                             SRX03590
/*                                                                      SRX03600
//                                                                      SRX03610
```

〈性質別　指數〉



SRXWTM 54

(9大分類 TABLE)

FILE: SRXWTM54 PLIOPT A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SRXWTM54 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                          SRX00010
//JOBLIB DD DSN=USER.LOADLIB,DISP=SHR
//STEP1  EXEC PGM=IEHPROGM     /* 9BUNRU- 84 */                        SRX00020
//SYSPRINT DD SYSOUT=O                                                 SRX00040
//DD3      DD UNIT=DISK,VOL=SER=BOSWK1,DISP=OLD                        SRX00050
//SYSIN DD *                                                           SRX00060
 SCRATCH  DSNAME=RXSAM11,VOL=DISK=BOSWK1                              SRX00070
/*                                                                    SRX00080
//STEP2  EXEC PLIFHG                                                   SRX00020
//PLI.SYSIN DD *                                                       SRX00030
* PROCESS GS,NEST,OPT(TIME),INCLUDE ;                                 SRX00040
   TABUL:  PROC OPTIONS(MAIN);                                         SRX00050
      DCL  DISK FILE RECORD KEYED ENV(INDEXED);                        SRX00060
      DCL  ISAM FILE RECORD KEYED ENV(INDEXED);                        SRX00070
      DCL 1 ISMREC,                                                    SRX00080
            2 ISF1   CHAR(1),                                          SRX00090
            2 ISKEY  CHAR(5),                                          SRX00100
            2 ISGA   (10) PIC '(5)9',                                  SRX00110
            2 ISF2   CHAR(4);                                          SRX00120
      DCL KEYCOD  CHAR(5);                                             SRX00130
      DCL DGA  (10) PIC '9999V9';                                      SRX00140
      DCL 1 DREC,                                                      SRX00150
           2 DKEY   CHAR(7),                                           SRX00160
           2 DBUN   CHAR(5),                                           SRX00170
           2 F1     CHAR(1),                                           SRX00180
           2 DHAN   CHAR(25),                                          SRX00190
           2 DCOD   CHAR(7),                                           SRX00200
           2 DPWGT  FIXED BIN (15) ALIGNED,                            SRX00210
           2 DDWGT  FIXED BIN (15) ALIGNED,                            SRX00220
           2 DATA (147),                                               SRX00230
            3 SPRICE FIXED BIN (31) ALIGNED,                           SRX00240
            3 MPRICE FIXED BIN (31) ALIGNED,                           SRX00250
            3 DPRICE FIXED BIN (31) ALIGNED,                           SRX00260
            3 DEX    FIXED BIN (31) ALIGNED;                           SRX00270
      DCL TOTDEX  (10,4) FLOAT;                                        SRX00280
      DCL TB1  PIC '999V9';                                            SRX00290
      DCL NOMIKEY (10) CHAR(7) INIT('9999901','9999902','9999903',     SRX00300
         '9999904','9999905','9999906','9999907','9999908','9999909',  SRX00310
         '9999999');                                                   SRX00320
      DCL NOKEY1  (10) CHAR(7) INIT('8888801','8888802','8888803',     SRX00330
         '8888804','8888805','8888806','8888807','8888808','8888809',  SRX00340
         '8888899');                                                   SRX00350
      DCL NOKEY2  (10) CHAR(7) INIT('1999901','1999902','1999903',     SRX00360
         '1999904','1999905','1999906','1999907','1999908','1999909',  SRX00370
         '1999999');                                                   SRX00380
      DCL ARY999 (10,10) PIC '99999V9',                                SRX00390
          ARY888 (10,10) PIC '99999V9',                                SRX00400
          ARY199 (10,10) PIC '99999V9';                                SRX00410
      DCL ARY9999 (10,10) FLOAT,                                       SRX00420
          ARY8888 (10,10) FLOAT,                                       SRX00430
          ARY1999 (10,10) FLOAT;                                       SRX00440
      DCL NOMI CHAR(7);                                                SRX00450
      DCL PP CHAR(1);                                                  SRX00460
      DCL DXCH CHAR(5);                                                SRX00470
      DCL OIMSI PIC '99999';                                           SRX00480
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      DCL DAY PIC '99';                                                    SRX00490
      DCL L50  FIXED BIN(15) INIT(50);                                     SRX00500
      DCL SW PIC '9' INIT(0);                                              SRX00510
      DCL SAVEKEY CHAR(5);                                                 SRX00520
      DCL CNT PIC '999' INIT(1);                                           SRX00530
      DCL PUMWGT FLOAT;                                                    SRX00540
      DCL TBWG (10) FLOAT;                                                 SRX00550
      DCL TBWGN (5,11) FLOAT;                                              SRX00560
      DCL JYY PIC '99';                                                    SRX00570
      DCL SVWGTD (11) FLOAT,                                               SRX00580
          SVWGTDN  (5,11) FLOAT,                                           SRX00590
          JCITYP FLOAT BIN (53),                                           SRX00600
          JCITYD FLOAT BIN (53),                                           SRX00610
          JCITYW FLOAT;                                                    SRX00620
      DCL JCITYK (9)  FLOAT BIN (53);                                      SRX00630
      DCL  TB11(10,2,10) FLOAT BIN(53),                                    SRX00640
           TB12(10,5,11) FLOAT BIN (53),                                   SRX00650
           TB13(10,2,10) FLOAT BIN(53),                                    SRX00660
           K1  FLOAT,                                                      SRX00670
           K2  FLOAT,                                                      SRX00680
           K3  FLOAT,                                                      SRX00690
           K4  FLOAT,                                                      SRX00700
           D1  FLOAT,                                                      SRX00710
           D2  FLOAT,                                                      SRX00720
           D3  FLOAT,                                                      SRX00730
           D4  FLOAT;                                                      SRX00740
      DCL  SAM FILE RECORD OUTPUT;                                         SRX00750
      DCL  1 SAMREC,                                                       SRX00760
            2 PUM   CHAR(5),                                               SRX00770
            2 BUN   CHAR(5),                                               SRX00780
            2 CITY (10),                                                   SRX00790
              3 SWGT PIC '9999V9',                                         SRX00800
              3 KSN  PIC '999V99',                                         SRX00810
              3 JSN  PIC '999V99',                                         SRX00820
              3 JDS  PIC '999V99',                                         SRX00830
              3 JYM  PIC '999V99',                                         SRX00840
              3 JYD  PIC '999V99';                                         SRX00850
      DCL  1 HEADHG,                                                       SRX00860
            2 HHG1  CHAR(132),                                             SRX00870
            2 HHG2  CHAR(132),                                             SRX00880
            2 HHG3  CHAR(132);                                             SRX00890
      DCL  HEADA1 CHAR(50);                                                SRX00900
      DCL DOSI (10) CHAR(10) INIT('SEOUL','BUSAN','TEAGOO','INCHON',       SRX00910
          'DEAJON','KWANGJOO','JUNJOO','CHUNCHON','CHUNGJOO',             SRX00920
          'JUNDOSI');                                                      SRX00930
      DCL CARD FILE RECORD INPUT;                                          SRX00940
      DCL 1 CARDREC,                                                       SRX00950
           2 OPT    CHAR(4),                                             SRX00960
           2 F1     CHAR(1),                                             SRX00970
           2 CID    PIC '9',                                             SRX00980
           2 CYY    PIC '99',                                            SRX00990
           2 CMM    PIC '99',                                            SRX01000
           2 CSN    PIC '9',                                             SRX01010
           2 F2     CHAR(69);                                            SRX01020
      DCL  SERSE1   PIC '999',                                             SRX01030
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          SERSE2   PIC '999',                                          SRX01040
          SRS1     PIC '999',                                          SRX01050
          SRS2     PIC '999',                                          SRX01060
          SRS3     PIC '999',                                          SRX01070
          SRS4     PIC '999';                                          SRX01080
     DCL  KSN1   FLOAT,                                                SRX01090
          JSN1   FLOAT,                                                SRX01100
          JDS1   FLOAT,                                                SRX01110
          JYM1   FLOAT,                                                SRX01120
          JYD1   FLOAT,                                                SRX01130
          KSN10 FLOAT,                                                 SRX01140
          JSN10 FLOAT,                                                 SRX01150
          JDS10 FLOAT,                                                 SRX01160
          JYM10 FLOAT,                                                 SRX01170
          JYD10 FLOAT;                                                 SRX01180
     DCL  SAVEBUN  CHAR(5);                                            SRX01190
     DCL  TB4 (2,53,11)  FLOAT;                                        SRX01200
     DCL  TB5 (2,53,1)  FLOAT;                                         SRX01210
     DCL  PK  PIC '999' INIT(0);                                       SRX01220
     DCL  TPUM  (53)  CHAR(5);                                         SRX01230
     DCL  DAM FILE RECORD INPUT ;                                      SRX01240
     DCL  HGBATCH ENTRY OPTIONS(ASSEMBLER);                            SRX01250
     DCL  FUNC  CHAR(2) INIT('IO');                                    SRX01260
     DCL  RTC   CHAR(2);                                               SRX01270
  /*****************************************************************/  SRX01280
          OPEN FILE(SYSPRINT) LINESIZE(132) PAGESIZE(66);              SRX01290
          OPEN FILE(CARD);                                             SRX01300
          ON ENDFILE(CARD) GOTO LAST;                                  SRX01310
     CARDRD:                                                           SRX01320
          READ FILE(CARD) INTO(CARDREC);                               SRX01330
          SERSE1=(((CYY - 82) * 49) + ((CMM - 1) * 4)) + CSN;          SRX01340
          IF CMM = 01 THEN DO;                                         SRX01350
            IF CSN = 1 THEN DO;                                        SRX01360
            SRS1 = SERSE1 - 3 ;                                        SRX01370
            SRS2 = SERSE1 - 5 ;                                        SRX01380
            END ;                                                      SRX01390
           ELSE IF CSN = 4 THEN DO ;                                   SRX01400
            SRS1 = SERSE1 - 5;                                         SRX01410
           END ;                                                       SRX01420
           ELSE DO;                                                    SRX01430
            SRS1 = SERSE1 - 1;                                         SRX01440
            SRS2 = SERSE1 - 5;                                         SRX01450
           END ;                                                       SRX01460
          END ;                                                        SRX01470
          ELSE DO ;                                                    SRX01480
            IF CSN = 1  THEN DO ;                                      SRX01490
               SRS1 = SERSE1 - 2;                                      SRX01500
               SRS2 = SERSE1 - 4;                                      SRX01510
               END ;                                                   SRX01520
              ELSE IF CSN = 4  THEN DO ;                               SRX01530
                 SRS1 = SERSE1 - 4 ;                                   SRX01540
               END ;                                                   SRX01550
              ELSE DO;                                                 SRX01560
                 SRS1 = SERSE1 - 1;                                    SRX01570
                 SRS2 = SERSE1 - 4;                                    SRX01580
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            END ;                                                          SRX01590
           END;                                                            SRX01600
            SRS3 = 97;                                                     SRX01610
            SRS4 = SERSE1 - 49;                                            SRX01620
         DAY=CSN *10 - 5;                                                  SRX01630
         IF CSN=4 THEN DO; DAY=0; END;                                     SRX01640
/*****************************************************************/       SRX01650
        OPEN FILE(ISAM) DIRECT INPUT;                                      SRX01660
        OPEN FILE(DISK) DIRECT INPUT;                                      SRX01670
        DO I = 1 TO 10;                                                    SRX01680
         NOMI = NOMIKEY(I);                                                SRX01690
         READ FILE(DISK) KEY(NOMI) INTO(DREC);                             SRX01700
         TOTDEX(I,1)=DEX(SRS1);                                            SRX01710
         TOTDEX(I,2)=DEX(SRS2);                                            SRX01720
         TOTDEX(I,3)=DEX(SRS3);                                            SRX01730
         TOTDEX(I,4)=DEX(SRS4);                                            SRX01740
         ARY999(I,1)=DEX(SERSE1);      ARY9999(I,1)=DEX(SERSE1);           SRX01750
         ARY999(I,2)=DEX(SRS1);        ARY9999(I,2)=DEX(SRS1);             SRX01760
         ARY999(I,3)=DEX(SRS2);        ARY9999(I,3)=DEX(SRS2);             SRX01770
         ARY999(I,4)=DEX(SRS3);        ARY9999(I,4)=DEX(SRS3);             SRX01780
         ARY999(I,5)=DEX(SRS4);        ARY9999(I,5)=DEX(SRS4);             SRX01790
         ARY999(I,6)=DEX(SERSE1-49);   ARY9999(I,6)=DEX(SERSE1-49);        SRX01800
         ARY999(I,7)=DEX(SRS1-49);     ARY9999(I,7)=DEX(SRS1-49);          SRX01810
         ARY999(I,8)=DEX(SRS2-49);     ARY9999(I,8)=DEX(SRS2-49);          SRX01820
         ARY999(I,9)=DEX(SRS3-49);     ARY9999(I,9)=DEX(SRS3-49);          SRX01830
         ARY999(I,10)=DEX(SRS4-49);    ARY9999(I,10)=DEX(SRS4-49);         SRX01840
        END;                                                               SRX01850
       TOTDEX(*,*)=TOTDEX(*,*)/100;                                        SRX01860
        DO I = 1 TO 10;                                                    SRX01870
         NOMI=NOKEY1(I);                                                   SRX01880
         READ FILE(DISK) KEY(NOMI) INTO(DREC);                             SRX01890
         ARY888(I,1)=DEX(SERSE1);      ARY8888(I,1)=DEX(SERSE1);           SRX01900
         ARY888(I,2)=DEX(SRS1);        ARY8888(I,2)=DEX(SRS1);             SRX01910
         ARY888(I,3)=DEX(SRS2);        ARY8888(I,3)=DEX(SRS2);             SRX01920
         ARY888(I,4)=DEX(SRS3);        ARY8888(I,4)=DEX(SRS3);             SRX01930
         ARY888(I,5)=DEX(SRS4);        ARY8888(I,5)=DEX(SRS4);             SRX01940
         ARY888(I,6)=DEX(SERSE1-49);   ARY8888(I,6)=DEX(SERSE1-49);        SRX01950
         ARY888(I,7)=DEX(SRS1-49);     ARY8888(I,7)=DEX(SRS1-49);          SRX01960
         ARY888(I,8)=DEX(SRS2-49);     ARY8888(I,8)=DEX(SRS2-49);          SRX01970
                                                                           SRX01980

        END;                                                               SRX02000
        DO I = 1 TO 10;                                                    SRX02010
         NOMI=NOKEY2(I);                                                   SRX02020
         READ FILE(DISK) KEY(NOMI) INTO(DREC);                             SRX02030
         ARY199(I,1)=DEX(SERSE1);      ARY1999(I,1)=DEX(SERSE1);           SRX02040
         ARY199(I,2)=DEX(SRS1);        ARY1999(I,2)=DEX(SRS1);             SRX02050
         ARY199(I,3)=DEX(SRS2);        ARY1999(I,3)=DEX(SRS2);             SRX02060
         ARY199(I,4)=DEX(SRS3);        ARY1999(I,4)=DEX(SRS3);             SRX02070
         ARY199(I,5)=DEX(SRS4);        ARY1999(I,5)=DEX(SRS4);             SRX02080
         ARY199(I,6)=DEX(SERSE1-49);   ARY1999(I,6)=DEX(SERSE1-49);        SRX02090
         ARY199(I,7)=DEX(SRS1-49);     ARY1999(I,7)=DEX(SRS1-49);          SRX02100
         ARY199(I,8)=DEX(SRS2-49);     ARY1999(I,8)=DEX(SRS2-49);          SRX02110
         ARY199(I,9)=DEX(SRS3-49);     ARY1999(I,9)=DEX(SRS3-49);          SRX02120
         ARY199(I,10)=DEX(SRS4-49);    ARY1999(I,10)=DEX(SRS4-49);         SRX02130
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          END;                                                              SRX02140
           CLOSE FILE(DISK);                                                SRX02150
           ARY199(*,*) = ARY199(*,*) / 100;                                 SRX02160
           ARY888(*,*) = ARY888(*,*) / 100;                                 SRX02170
           ARY999(*,*) = ARY999(*,*) / 100;                                 SRX02180
           ARY1999(*,*) = ARY1999(*,*) / 100;                               SRX02190
           ARY8888(*,*) = ARY8888(*,*) / 100;                               SRX02200
           ARY9999(*,*) = ARY9999(*,*) / 100;                               SRX02210
      /*************************************/                               SRX02220
           OPEN FILE(DISK) SEQUENTIAL INPUT;                                SRX02230
           PUT PAGE;                                                        SRX02240
           HEADA1='WJSEHTL RKRUR ALCWLTNVY';                                SRX02250
           CALL HGBATCH (FUNC,RTC,HEADA1,L50,HEADHG,L50);                   SRX02260
           PUT SKIP(2) EDIT('TAB #1',HHG1,'1980 = 100')                     SRX02270
            (X(5),A,X(50),A(30),X(20),A);                                   SRX02280
           PUT SKIP(0) EDIT(HHG2)(X(61),A(30));                             SRX02290
           PUT SKIP(1) EDIT(HHG3,CYY,CMM,DAY)(X(61),A(30),X(15),F(2),       SRX02300
               X(2),F(2),X(2),F(2));                                        SRX02310
           PUT SKIP(2) EDIT('  CODE  ITEM             SEOUL       ',       SRX02320
    'BUSAN       TEAGOO      INCHON     DEAJON      KWANGJOO     ',        SRX02330
    'JUNJOO    CHUNCHON    CHUNGJOO    JUNDOSI')(A,A,A);                    SRX02340
           CALL EX109;                                                      SRX02350
           CALL TAB2;                                                       SRX02360
           CALL TAB3;                                                       SRX02370
           CALL TAB4;                                                       SRX02380
           GOTO CARDRD;                                                     SRX02390
    EX109: PROCEDURE;                                                       SRX02400
       DCL RETURN_CODE FIXED BIN(31,0);                                     SRX02410
           CALL PLISRTD (' SORT FIELDS=(1,12,CH,A) ',                       SRX02420
                         ' RECORD TYPE=F,LENGTH=(85) ',                     SRX02430
                          45000,                                            SRX02440
                          RETURN_CODE,                                      SRX02450
                          E15X,                                             SRX02460
                          E35X);                                            SRX02470
           IF RETURN_CODE = 16 THEN PUT SKIP EDIT('SORT FAILED') (A);       SRX02480
           ELSE IF RETURN_CODE = 0 THEN PUT SKIP EDIT ('SORT COMPLETE')     SRX02490
            (A);                                                            SRX02500
              ELSE PUT SKIP EDIT('INVALID SORT RETURN CODE')(A);            SRX02510
           CALL PLIRETC(RETURN_CODE);                                       SRX02520
       E15X:                                                                SRX02530
           PROC RETURNS(CHAR(85));                                          SRX02540
           DCL INFIELD CHAR(85);                                            SRX02550
           DCL 1 AAA DEF INFIELD,                                           SRX02560
                2 SBUN   CHAR(5),                                           SRX02570
                2 SKEY   CHAR(7),                                           SRX02580
                2 SHAN   CHAR(25),                                          SRX02590
                2 SWGT   FIXED BIN (15),                                    SRX02600
                2 SDWGT  FIXED BIN (15),                                    SRX02610
                2 SSPRICE FIXED BIN (31),                                   SRX02620
                2 SSDEX (10) FIXED BIN(31);                                 SRX02630
           ON ENDFILE(DISK) BEGIN;                                          SRX02640
           A=1;                                                             SRX02650
           SBUN = '99999';                                                  SRX02660
           GOTO LCHECK;                                                     SRX02670
           END;                                                             SRX02680
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          IF A=1 THEN DO;                                                    SRX02690
          CALL PLIRETC(8);                                                   SRX02700
          GOTO ENDE15;                                                       SRX02710
          END ;                                                              SRX02720
     SORTRD:                                                                 SRX02730
          READ FILE(DISK)  INTO(DREC);                                       SRX02740
          IF SUBSTR(DKEY,4,2) ='88' | SUBSTR(DKEY,4,2) = '99'                SRX02750
              THEN GOTO SORTRD;                                              SRX02760
          SBUN = DBUN;                                                       SRX02770
          SKEY = DKEY;                                                       SRX02780
          SWGT = DPWGT;                                                      SRX02790
          SDWGT = DDWGT;                                                     SRX02800
          SHAN = DHAN;                                                       SRX02810
          SSPRICE = DPRICE (SERSE1);                                         SRX02820
          SSDEX(1) = DEX(SERSE1);                                            SRX02830
          SSDEX(2) = DEX(SRS1);                                              SRX02840
          SSDEX(3) = DEX(SRS2);                                              SRX02850
          SSDEX(4) = DEX(SRS3);                                              SRX02860
          SSDEX(5) = DEX(SRS4);                                              SRX02870
          SSDEX(6) = DEX(SERSE1 - 49);                                       SRX02880
          SSDEX(7) = DEX(SRS1 - 49);                                         SRX02890
          SSDEX(8) = DEX(SRS2 -49); /* 49-CHANGE */                          SRX02900
          SSDEX(9) = DEX(SRS3 -49);  /*  " */                               SRX02910
          SSDEX(10) = DEX(SRS4 -49);  /* " */                               SRX02920
     LCHECK:                                                                 SRX02930
          CALL PLIRETC(12);                                                  SRX02940
          RETURN(INFIELD);                                                   SRX02950
     ENDE15:                                                                 SRX02960
          END E15X;                                                          SRX02970
     E35X:  PROC (INREC);                                                    SRX02980
          DCL INREC CHAR(85);                                                SRX02990
          DCL 1 BBB DEF INREC,                                               SRX03000
               2 OSBUN CHAR(5),                                              SRX03010
               2 OSKEY CHAR(7),                                              SRX03020
               2 OSHAN CHAR(25),                                             SRX03030
               2 OSWGT FIXED BIN(15),                                        SRX03040
               2 OSDWGT FIXED BIN(15),                                       SRX03050
               2 OSSPRICE FIXED BIN(31),                                     SRX03060
               2 OSSDEX (10) FIXED BIN(31);                                  SRX03070
              IF OSBUN='99999' THEN DO;                                      SRX03080
               CALL TOTR;                                                    SRX03090
               GOTO ENDE35;                                                  SRX03100
               END ;                                                         SRX03110
          TB11(1,1,CNT)=OSSDEX(1);  TB13(1,1,CNT)=OSSDEX(1);                 SRX03120
          TB11(2,1,CNT)=OSSDEX(2);  TB13(2,1,CNT)=OSSDEX(2);                 SRX03130
          TB11(3,1,CNT)=OSSDEX(3);  TB13(3,1,CNT)=OSSDEX(3);                 SRX03140
          TB11(4,1,CNT)=OSSDEX(4);  TB13(4,1,CNT)=OSSDEX(4);                 SRX03150
          TB11(5,1,CNT)=OSSDEX(5);  TB13(5,1,CNT)=OSSDEX(5);                 SRX03160
          TB11(6,1,CNT)=OSSDEX(6);  TB13(6,1,CNT)=OSSDEX(6);                 SRX03170
          TB11(7,1,CNT)=OSSDEX(7);  TB13(7,1,CNT)=OSSDEX(7);                 SRX03180
          TB11(8,1,CNT)=OSSDEX(8);  TB13(8,1,CNT)=OSSDEX(8);                 SRX03190
          TB11(9,1,CNT)=OSSDEX(9);  TB13(9,1,CNT)=OSSDEX(9);                 SRX03200
          TB11(10,1,CNT)=OSSDEX(10); TB13(10,1,CNT)=OSSDEX(10);              SRX03210
          TB11(1,2,CNT)=OSSPRICE;                                            SRX03220
          TBWG(CNT)=OSWGT;     SVWGTD(CNT)=OSDWGT;                           SRX03230
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          IF CNT = 10 THEN DO;  CNT=0; CALL NEXT11; END;                SRX03240
          CNT = CNT + 1;                                                SRX03250
     NEXT:                                                              SRX03260
          CALL PLIRETC(4);                                              SRX03270
     NEXT11: PROC;                                                      SRX03280
          TB11(*,*,*) = TB11(*,*,*)/100;                                SRX03290
          TB13(*,*,*) = TB13(*,*,*)/100;                                SRX03300
          TBWG(*)=TBWG(*)/10;   SVWGTD(*)=SVWGTD(*)/10;                 SRX03310
          IF SW = 0 THEN GOTO NEXT12;                                   SRX03320
          IF SUBSTR(OSBUN,2,1) ¬= SUBSTR(SAVEBUN,2,1) THEN DO;          SRX03330
              CALL YU2; GOTO NEXT12; END;                               SRX03340
          IF SUBSTR(OSBUN,3,2) ¬= SUBSTR(SAVEBUN,3,2) THEN DO;          SRX03350
              CALL YU4; GOTO NEXT12; END;                               SRX03360
          IF SUBSTR(OSBUN,5,1) ¬= SUBSTR(SAVEBUN,5,1) THEN DO;          SRX03370
              CALL YU5; GOTO NEXT12; END;                               SRX03380
     NEXT12:   L50=25;                                                  SRX03390
          CALL HGBATCH (FUNC,RTC,OSHAN,L50,HEADHG,L50);                 SRX03400
  PUT SKIP(2) EDIT(SUBSTR(OSKEY,1,5),HHG1,(TB13(1,1,I) DO I = 1 TO 10)) SRX03410
                        (X(1),A,X(1),A(15),10(X(1),F(10,2)));           SRX03420
          PUT SKIP(0) EDIT(HHG2)(X(7),A(15));                           SRX03430
          PUT SKIP(1) EDIT(HHG3)(X(7),A(15));                           SRX03440
          PUT SKIP(1) EDIT((TB11(1,2,I) DO I = 1 TO 10))                SRX03450
                        (X(22),10(X(1),F(10,2)));                       SRX03460
          PUM = SUBSTR(OSKEY,1,5);                                      SRX03470
          BUN = SUBSTR(OSKEY,1,5);                                      SRX03480
          DO I = 1 TO 10;                                               SRX03490
          SWGT(I)=TBWG(I)+0.0501;                                       SRX03500
          KSN(I) = TB13(1,1,I)+0.00501;                                 SRX03510
          JSN(I) = TB13(2,1,I)+0.00501;                                 SRX03520
          JDS(I) = TB13(3,1,I)+0.00501;                                 SRX03530
          JYM(I) = TB13(4,1,I)+0.00501;                                 SRX03540
          JYD(I) = TB13(5,1,I)+0.00501;                                 SRX03550
          END;                                                          SRX03560
          WRITE FILE(SAM)  FROM(SAMREC);                                SRX03570
          DO I = 1 TO 5;                                                SRX03580
            DO J = 1 TO 10;                                             SRX03590
            TB12(1,I,J)=TB12(1,I,J)+(TB13(1,1,J)*TBWG(J));              SRX03600
            TB12(2,I,J)=TB12(2,I,J)+(TB13(2,1,J)*TBWG(J));              SRX03610
            TB12(3,I,J)=TB12(3,I,J)+(TB13(3,1,J)*TBWG(J));              SRX03620
            TB12(4,I,J)=TB12(4,I,J)+(TB13(4,1,J)*TBWG(J));              SRX03630
            TB12(5,I,J)=TB12(5,I,J)+(TB13(5,1,J)*TBWG(J));              SRX03640
            TB12(6,I,J)=TB12(6,I,J)+(TB13(6,1,J)*TBWG(J));              SRX03650
            TB12(7,I,J)=TB12(7,I,J)+(TB13(7,1,J)*TBWG(J));              SRX03660
            TB12(8,I,J)=TB12(8,I,J)+(TB13(8,1,J)*TBWG(J));              SRX03670
            TB12(9,I,J)=TB12(9,I,J)+(TB13(9,1,J)*TBWG(J));              SRX03680
            TB12(10,I,J)=TB12(10,I,J)+(TB13(10,1,J)*TBWG(J));           SRX03690
            END;                                                        SRX03700
          END;                                                          SRX03710
          DO I = 1 TO 5;                                                SRX03720
          DO J = 1 TO 10;                                               SRX03730
          TBWGN(I,J)=TBWGN(I,J)+TBWG(J);                                SRX03740
          SVWGTDN(I,J)=SVWGTDN(I,J)+SVWGTD(J);                          SRX03750
          END ;  END;                                                   SRX03760
          SW=1;                                                         SRX03770
          SAVEBUN=OSBUN;                                                SRX03780
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          SAVEKEY=SUBSTR(OSKEY,1,5);                                          SRX03790
      END NEXT11;                                                             SRX03800
      YU5: PROC;                                                              SRX03810
          KEYCOD=SAVEBUN;                                                     SRX03820
          READ FILE(ISAM) KEY(KEYCOD) INTO(ISMREC);                           SRX03830
          DO I = 1 TO 10;                                                     SRX03840
          DGA(I) = ISGA(I) / 10;                                              SRX03850
          END;                                                                SRX03860
          DO I = 1 TO 9;                                                      SRX03870
          TB11(1,1,I)=TB12(1,5,I) / TBWGN(5,I);                               SRX03880
          JCITYD=JCITYD+(TB11(1,1,I)*DGA(I));                                 SRX03890
          JCITYP=JCITYP+(TB12(1,5,I)*DGA(I));                                 SRX03900
          JCITYW=JCITYW+DGA(I);                                               SRX03910
          END;                                                                SRX03920
          TB11(1,1,10) = JCITYD / JCITYW;                                     SRX03930
          TB12(1,5,10) = JCITYP / JCITYW;                                     SRX03940
          PUT SKIP(3) EDIT(SAVEBUN,(TB11(1,1,I) DO I=1 TO 10))                SRX03950
              (X(1),A,X(16),10(X(1),F(10,1)));                                SRX03960
          PUT SKIP(1) EDIT((TB12(1,5,I) DO I = 1 TO 10))                      SRX03970
              (X(22),10(X(1),F(10,1)));                                       SRX03980
          PUT SKIP(1) EDIT('-------------------------------------------',     SRX03990
    '-------------------------------------------------------------------',    SRX04000
    '--------')(X(20),A,A,A);                                                 SRX04010
          DO I = 1 TO 9;                                                      SRX04020
          TB11(2,1,I)=TB12(2,5,I) / TBWGN(5,I);                               SRX04030
          TB11(3,1,I)=TB12(3,5,I) / TBWGN(5,I);                               SRX04040
          TB11(4,1,I)=TB12(4,5,I) / TBWGN(5,I);                               SRX04050
          TB11(5,1,I)=TB12(5,5,I) / TBWGN(5,I);                               SRX04060
          JCITYK(1)=JCITYK(1)+(TB11(2,1,I)*DGA(I));                           SRX04070
          JCITYK(2)=JCITYK(2)+(TB11(3,1,I)*DGA(I));                           SRX04080
          JCITYK(3)=JCITYK(3)+(TB11(4,1,I)*DGA(I));                           SRX04090
          JCITYK(4)=JCITYK(4)+(TB11(5,1,I)*DGA(I));                           SRX04100
          END;                                                                SRX04110
          TB11(2,1,10)=JCITYK(1)/JCITYW;                                      SRX04120
          TB11(3,1,10)=JCITYK(2)/JCITYW;                                      SRX04130
          TB11(4,1,10)=JCITYK(3)/JCITYW;                                      SRX04140
          TB11(5,1,10)=JCITYK(4)/JCITYW;                                      SRX04150
          DO I = 1 TO 10;                                                     SRX04160
          KSN(I) = TB11(1,1,I)+0.05;                                          SRX04170
          JSN(I) = TB11(2,1,I)+0.05;                                          SRX04180
          JDS(I) = TB11(3,1,I)+0.05;                                          SRX04190
          JYM(I) = TB11(4,1,I)+0.05;                                          SRX04200
          JYD(I) = TB11(5,1,I)+0.05;                                          SRX04210
          SWGT(I)=TBWGN(5,I)+0.0501;                                          SRX04220
          END;                                                                SRX04230
          CALL SUB1;                                                          SRX04240
          PUM ='00000';                                                       SRX04250
          BUN =SAVEBUN;                                                       SRX04260
          WRITE FILE(SAM)  FROM(SAMREC);                                      SRX04270
          DO I = 1 TO 11;                                                     SRX04280
          TB12(1,5,I) = 0;                                                    SRX04290
          TB12(2,5,I) = 0;                                                    SRX04300
          TB12(3,5,I) = 0;                                                    SRX04310
          TB12(4,5,I) = 0;                                                    SRX04320
          TBWGN(5,I)=0;   SVWGTDN(5,I) = 0;                                   SRX04330
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          TB12(5,5,I) = 0; END;                                                  SRX04340
          JCITYP=0; JCITYD=0;  JCITYW=0;  JCITYK=0;                              SRX04350
       END YU5;                                                                  SRX04360
      YU4:  PROC;                                                                SRX04370
          CALL YU5;                                                              SRX04380
          KEYCOD = SUBSTR(SAVEBUN,1,4) || '0';                                   SRX04390
          READ FILE(ISAM) KEY(KEYCOD) INTO(ISMREC);                              SRX04400
          DO I = 1 TO 10;                                                        SRX04410
          DGA(I) = ISGA(I) / 10;                                                 SRX04420
          END;                                                                   SRX04430
          DO I = 1 TO 9;                                                         SRX04440
          TB11(1,1,I) = TB12(1,4,I) / TBWGN(4,I);                                SRX04450
          JCITYD=JCITYD+(TB11(1,1,I)*DGA(I));                                    SRX04460
          JCITYP=JCITYP+(TB12(1,4,I)*DGA(I));                                    SRX04470
          JCITYW=JCITYW+DGA(I);                                                  SRX04480
          END ;                                                                  SRX04490
          TB11(1,1,10)=JCITYD/JCITYW;                                            SRX04500
          TB12(1,4,10)=JCITYP/JCITYW;                                            SRX04510
          PUT SKIP(3) EDIT(SUBSTR(SAVEBUN,1,4),'0',                              SRX04520
                   (TB11(1,1,I) DO I = 1 TO 10))                                 SRX04530
                   (X(1),A,A,X(16),10(X(1),F(10,1)));                            SRX04540
          PUT SKIP(1) EDIT((TB12(1,4,I) DO I = 1 TO 10))                         SRX04550
              (X(22),10(X(1),F(10,1)));                                          SRX04560
          PUT SKIP(1) EDIT('-------------------------------------------------',  SRX04570
'-------------------------------------------------------------------')           SRX04580
                                                                                 SRX04590
     (X(20),A,A);                                                                SRX04600
          DO I = 1 TO 9;                                                         SRX04610
          TB11(2,1,I)=TB12(2,4,I) / TBWGN(4,I);                                  SRX04620
          TB11(3,1,I)=TB12(3,4,I) / TBWGN(4,I);                                  SRX04630
          TB11(4,1,I)=TB12(4,4,I) / TBWGN(4,I);                                  SRX04640
          TB11(5,1,I)=TB12(5,4,I) / TBWGN(4,I);                                  SRX04650
          TB11(6,1,I)=TB12(6,4,I) / TBWGN(4,I);                                  SRX04660
          TB11(7,1,I)=TB12(7,4,I) / TBWGN(4,I);                                  SRX04670
          TB11(8,1,I)=TB12(8,4,I) / TBWGN(4,I);                                  SRX04680
          TB11(9,1,I)=TB12(9,4,I) / TBWGN(4,I);                                  SRX04690
          TB11(10,1,I)=TB12(10,4,I)/TBWGN(4,I);                                  SRX04700
          JCITYK(1)=JCITYK(1)+(TB11(2,1,I)*DGA(I));                              SRX04710
          JCITYK(2)=JCITYK(2)+(TB11(3,1,I)*DGA(I));                              SRX04720
          JCITYK(3)=JCITYK(3)+(TB11(4,1,I)*DGA(I));                              SRX04730
          JCITYK(4)=JCITYK(4)+(TB11(5,1,I)*DGA(I));                              SRX04740
          JCITYK(5)=JCITYK(5)+(TB11(6,1,I)*DGA(I));                              SRX04750
          JCITYK(6)=JCITYK(6)+(TB11(7,1,I)*DGA(I));                              SRX04760
          JCITYK(7)=JCITYK(7)+(TB11(8,1,I)*DGA(I));                              SRX04770
          JCITYK(8)=JCITYK(8)+(TB11(9,1,I)*DGA(I));                              SRX04780
          JCITYK(9)=JCITYK(9)+(TB11(10,1,I)*DGA(I));                             SRX04790
          END ;                                                                  SRX04800
          TB11(2,1,10)=JCITYK(1)/JCITYW;                                         SRX04810
          TB11(3,1,10)=JCITYK(2)/JCITYW;                                         SRX04820
          TB11(4,1,10)=JCITYK(3)/JCITYW;                                         SRX04830
          TB11(5,1,10)=JCITYK(4)/JCITYW;                                         SRX04840
          TB11(6,1,10)=JCITYK(5)/JCITYW;                                         SRX04850
          TB11(7,1,10)=JCITYK(6)/JCITYW;                                         SRX04860
          TB11(8,1,10)=JCITYK(7)/JCITYW;                                         SRX04870
          TB11(9,1,10)=JCITYK(8)/JCITYW;                                         SRX04880
          TB11(10,1,10)=JCITYK(9)/JCITYW;
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          PUM = '00000';                                                    SRX04890
          BUN = SUBSTR(SAVEBUN,1,4) || '0';                                 SRX04900
          DO I = 1 TO 10;                                                   SRX04910
          SWGT(I)=TBWGN(4,I)+0.0501;                                        SRX04920
          KSN(I) = TB11(1,1,I)+0.05;                                        SRX04930
          JSN(I) = TB11(2,1,I)+0.05;                                        SRX04940
          JDS(I) = TB11(3,1,I)+0.05;                                        SRX04950
          JYM(I) = TB11(4,1,I)+0.05;                                        SRX04960
          JYD(I) = TB11(5,1,I)+0.05;                                        SRX04970
          END ;                                                             SRX04980
          CALL SUB1;                                                        SRX04990
          WRITE FILE(SAM) FROM(SAMREC);                                     SRX05000
          IF SUBSTR(BUN,1,2) ^= '61' THEN GOTO BBK;                         SRX05010
          PK = PK + 1;                                                      SRX05020
          DO I = 1 TO 10;                                                   SRX05030
           TB4(1,PK,I) = TB11(I,1,1);      /* CHANGE */                     SRX05040
           TB4(2,PK,I) = TB11(I,1,10);      /* ***** */                     SRX05050
          END ;                                                             SRX05060
          TPUM(PK)=BUN;                                                     SRX05070
          TB5(1,PK,1)=TBWGN(4,1);                                           SRX05080
          TB5(2,PK,1)=TBWGN(4,10);                                          SRX05090
    BBK:  DO I = 1 TO 11;                                                   SRX05100
          TB12(1,4,I) = 0;  TB12(9,4,I) =0;                                 SRX05110
          TB12(2,4,I) = 0;  TB12(6,4,I) =0;                                 SRX05120
          TB12(3,4,I) = 0;  TB12(7,4,I) =0;                                 SRX05130
          TB12(4,4,I) = 0;  TB12(8,4,I) =0;                                 SRX05140
          TB12(5,4,I) = 0;  TB12(10,4,I)=0;  TBWGN(4,I)=0;                  SRX05150
          SVWGTDN(4,I)=0;                                                   SRX05160
          END;                                                              SRX05170
          JCITYD=0; JCITYP=0; JCITYW=0;  JCITYK=0;                          SRX05180
      END YU4;                                                              SRX05190
     YU2:  PROC;                                                            SRX05200
          CALL YU4;                                                         SRX05210
          KEYCOD=SUBSTR(SAVEBUN,1,2) || '000';                              SRX05220
          READ FILE(ISAM) KEY(KEYCOD) INTO(ISMREC);                         SRX05230
          DO I = 1 TO 10;                                                   SRX05240
          DGA(I) = ISGA(I) / 10;                                            SRX05250
          END;                                                              SRX05260
          DO I = 1 TO 9;                                                    SRX05270
          TB11(1,1,I) = TB12(1,2,I) / TBWGN(2,I);                           SRX05280
          JCITYD=JCITYD+(TB11(1,1,I)*DGA(I));                               SRX05290
          JCITYP=JCITYP+(TB12(1,2,I)*DGA(I));                               SRX05300
          JCITYW=JCITYW+DGA(I);                                             SRX05310
          END;                                                              SRX05320
          TB11(1,1,10)=JCITYD/JCITYW;                                       SRX05330
          TB12(1,2,10)=JCITYP/JCITYW;                                       SRX05340
          IF SUBSTR(SAVEBUN,1,2) = '61' THEN DO;                            SRX05350
          PUT SKIP(3) EDIT(SUBSTR(SAVEBUN,1,2),'000',                       SRX05360
              (ARY199(I,1) DO I = 1 TO 10))                                 SRX05370
              (X(1),A,A,X(16), 10(X(1),F(10,1)));                           SRX05380
              GOTO YUW2;                                                    SRX05390
          END;                                                              SRX05400
          PUT SKIP(3) EDIT(SUBSTR(SAVEBUN,1,2),'000',                       SRX05410
              (TB11(1,1,I) DO I = 1 TO 10))                                 SRX05420
              (X(1),A,A,X(16), 10(X(1),F(10,1)));                           SRX05430
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     YUW2:                                                                    SRX05440
          PUT SKIP(1) EDIT((TB12(1,2,I) DO I = 1 TO 10))                      SRX05450
              (X(22),10(X(1),F(10,1)));                                       SRX05460
          PUT SKIP(1) EDIT('-------------------------------------------',     SRX05470
    '-------------------------------------------------------------------')    SRX05480
          (X(20),A,A);                                                        SRX05490
          DO I = 1 TO 9;                                                      SRX05500
          TB11(2,1,I)=TB12(2,2,I) / TBWGN(2,I);                               SRX05510
          TB11(3,1,I)=TB12(3,2,I) / TBWGN(2,I);                               SRX05520
          TB11(4,1,I)=TB12(4,2,I) / TBWGN(2,I);                               SRX05530
          TB11(5,1,I)=TB12(5,2,I) / TBWGN(2,I);                               SRX05540
          TB11(6,1,I)=TB12(6,2,I) / TBWGN(2,I);                               SRX05550
          TB11(7,1,I)=TB12(7,2,I) / TBWGN(2,I);                               SRX05560
          TB11(8,1,I)=TB12(8,2,I) / TBWGN(2,I);                               SRX05570
          TB11(9,1,I)=TB12(9,2,I) / TBWGN(2,I);                               SRX05580
         TB11(10,1,I)=TB12(10,2,I) / TBWGN(2,I);                              SRX05590
          JCITYK(1)=JCITYK(1)+(TB11(2,1,I)*DGA(I));                           SRX05600
          JCITYK(2)=JCITYK(2)+(TB11(3,1,I)*DGA(I));                           SRX05610
          JCITYK(3)=JCITYK(3)+(TB11(4,1,I)*DGA(I));                           SRX05620
          JCITYK(4)=JCITYK(4)+(TB11(5,1,I)*DGA(I));                           SRX05630
          JCITYK(5)=JCITYK(5)+(TB11(6,1,I)*DGA(I));                           SRX05640
          JCITYK(6)=JCITYK(6)+(TB11(7,1,I)*DGA(I));                           SRX05650
          JCITYK(7)=JCITYK(7)+(TB11(8,1,I)*DGA(I));                           SRX05660
          JCITYK(8)=JCITYK(8)+(TB11(9,1,I)*DGA(I));                           SRX05670
          JCITYK(9)=JCITYK(9)+(TB11(10,1,I)*DGA(I));                          SRX05680
          END;                                                                SRX05690
          TB11(2,1,10)=JCITYK(1)/JCITYW;                                      SRX05700
          TB11(3,1,10)=JCITYK(2)/JCITYW;                                      SRX05710
          TB11(4,1,10)=JCITYK(3)/JCITYW;                                      SRX05720
          TB11(5,1,10)=JCITYK(4)/JCITYW;                                      SRX05730
          TB11(6,1,10)=JCITYK(5)/JCITYW;                                      SRX05740
          TB11(7,1,10)=JCITYK(6)/JCITYW;                                      SRX05750
          TB11(8,1,10)=JCITYK(7)/JCITYW;                                      SRX05760
          TB11(9,1,10)=JCITYK(8)/JCITYW;                                      SRX05770
         TB11(10,1,10)=JCITYK(9)/JCITYW;                                      SRX05780
          PUM ='00000';                                                       SRX05790
          BUN = SUBSTR(SAVEBUN,1,2) || '000';                                 SRX05800
          IF SUBSTR(SAVEBUN,1,2) = '61' THEN DO;                              SRX05810
          DO I = 1 TO 10;                                                     SRX05820
          SWGT(I)=TBWGN(2,I) + 0.0501;                                        SRX05830
          KSN(I)=ARY199(I,1);  JSN(I)=ARY199(I,2);                            SRX05840
          JDS(I)=ARY199(I,3);  JYM(I)=ARY199(I,4);                            SRX05850
          JYD(I)=ARY199(I,5);                                                 SRX05860
          END;                                                                SRX05870
          CALL SUB1;                                                          SRX05880
          WRITE FILE(SAM) FROM(SAMREC);                                       SRX05890
          PK=PK+1;                                                            SRX05900
          TB4(1,PK,1)=ARY1999(1,1);                                           SRX05910
          TB4(1,PK,2)=ARY1999(1,2);                                           SRX05920
          TB4(1,PK,3)=ARY1999(1,3);                                           SRX05930
          TB4(1,PK,4)=ARY1999(1,4);                                           SRX05940
          TB4(1,PK,5)=ARY1999(1,5);                                           SRX05950
          TB4(1,PK,6)=ARY1999(1,6);                                           SRX05960
          TB4(1,PK,7)=ARY1999(1,7);                                           SRX05970
          TB4(1,PK,8)=ARY1999(1,8);                                           SRX05980
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            TB4(1,PK,9)=ARY1999(1,9);                                    SRX05990
            TB4(1,PK,10)=ARY1999(1,10);                                  SRX06000
            TB4(2,PK,1)=ARY1999(10,1);                                   SRX06010
            TB4(2,PK,2)=ARY1999(10,2);                                   SRX06020
            TB4(2,PK,3)=ARY1999(10,3);                                   SRX06030
            TB4(2,PK,4)=ARY1999(10,4);                                   SRX06040
            TB4(2,PK,5)=ARY1999(10,5);                                   SRX06050
            TB4(2,PK,6)=ARY1999(10,6);                                   SRX06060
            TB4(2,PK,7)=ARY1999(10,7);                                   SRX06070
            TB4(2,PK,8)=ARY1999(10,8);                                   SRX06080
            TB4(2,PK,9)=ARY1999(10,9);                                   SRX06090
            TB4(2,PK,10)=ARY1999(10,10);                                 SRX06100
            GOTO KKS1;                                                   SRX06110
            END;                                                         SRX06120
            DO I = 1 TO 10;                                              SRX06130
            SWGT(I)=TBWGN(2,I) + 0.0501;                                 SRX06140
            KSN(I) = TB11(1,1,I)+0.0501;                                 SRX06150
            JSN(I) = TB11(2,1,I)+0.0501;                                 SRX06160
            JDS(I) = TB11(3,1,I)+0.0501;                                 SRX06170
            JYM(I) = TB11(4,1,I)+0.0501;                                 SRX06180
            JYD(I) = TB11(5,1,I)+0.0501;                                 SRX06190
            END ; CALL SUB1;                                             SRX06200
            WRITE FILE(SAM)  FROM(SAMREC);                               SRX06210
            PK=PK+1;                                                     SRX06220
            DO I = 1 TO 10;                                              SRX06230
            TB4(1,PK,I)=TB11(I,1,1);  /* CHANGE */                       SRX06240
            TB4(2,PK,I)=TB11(I,1,10); /* ****** */                       SRX06250
            END;                                                         SRX06260
   KKS1:    TB5(1,PK,1)=TBWGN(2,1);                                      SRX06270
            TB5(2,PK,1)=TBWGN(2,10);                                     SRX06280
            TPUM(PK) = BUN;                                              SRX06290
            IF SUBSTR(SAVEBUN,1,2) = '61' THEN DO;                       SRX06300
            DO I = 1 TO 11;                                              SRX06310
            TB12(1,3,I) = 0;                                             SRX06320
            TB12(2,3,I) = 0;                                             SRX06330
            TB12(3,3,I) = 0;                                             SRX06340
            TB12(4,3,I) = 0;                                             SRX06350
            TB12(5,3,I) = 0;  TBWGN(3,I)=0;                              SRX06360
            TB12(6,3,I) = 0;                                             SRX06370
            TB12(7,3,I) = 0;                                             SRX06380
            TB12(8,3,I) = 0;                                             SRX06390
            TB12(9,3,I) = 0;                                             SRX06400
            TB12(10,3,I) = 0;                                            SRX06410
            END;                                                         SRX06420
            END;                                                         SRX06430
            DO I = 1 TO 11;                                              SRX06440
            TB12(1,2,I) =0;                                              SRX06450
            TB12(2,2,I) =0;                                              SRX06460
            TB12(3,2,I) =0;                                              SRX06470
            TB12(4,2,I) =0;  TBWGN(2,I)=0;                               SRX06480
            TB12(5,2,I) =0;                                              SRX06490
            TB12(6,2,I) =0;                                              SRX06500
            TB12(7,2,I) =0;                                              SRX06510
            TB12(8,2,I) =0;                                              SRX06520
            TB12(9,2,I) =0;                                              SRX06530
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```
        TB12(10,2,I) =0;    SVWGTDN(2,I)=0;                                  SRX06540
        END;                                                                 SRX06550
        JCITYD=0; JCITYP=0; JCITYW=0;  JCITYK=0;                             SRX06560
    END YU2;                                                                 SRX06570
    TOTR: PROC;                                                              SRX06580
        CALL YU2;                                                            SRX06590
        KEYCOD='69999';                                                      SRX06600
        READ FILE(ISAM) KEY(KEYCOD) INTO(ISMREC);                            SRX06610
        DO I = 1 TO 10;                                                      SRX06620
        DGA(I) = ISGA(I) / 10;                                               SRX06630
        END;                                                                 SRX06640
        DO I = 1 TO 9;                                                       SRX06650
        TB11(1,1,I) = TB12(1,3,I) / TBWGN(3,I);                              SRX06660
        JCITYD=JCITYD+(TB11(1,1,I)*DGA(I));                                  SRX06670
        JCITYP=JCITYP+(TB12(1,3,I)*DGA(I));                                  SRX06680
        JCITYW=JCITYW+DGA(I);                                                SRX06690
        TB11(2,1,I) = TB12(2,3,I) / TBWGN(3,I);                              SRX06700
        TB11(3,1,I) = TB12(3,3,I) / TBWGN(3,I);                              SRX06710
        TB11(4,1,I) = TB12(4,3,I) / TBWGN(3,I);                              SRX06720
        TB11(5,1,I) = TB12(5,3,I) / TBWGN(3,I);                              SRX06730
        TB11(6,1,I) = TB12(6,3,I) / TBWGN(3,I);                              SRX06740
        TB11(7,1,I) = TB12(7,3,I) / TBWGN(3,I);                              SRX06750
        TB11(8,1,I) = TB12(8,3,I) / TBWGN(3,I);                              SRX06760
        TB11(9,1,I) = TB12(9,3,I) / TBWGN(3,I);                              SRX06770
        TB11(10,1,I) = TB12(10,3,I) / TBWGN(3,I);                            SRX06780
        JCITYK(1)=JCITYK(1)+(TB11(2,1,I)*DGA(I));                            SRX06790
        JCITYK(2)=JCITYK(2)+(TB11(3,1,I)*DGA(I));                            SRX06800
        JCITYK(3)=JCITYK(3)+(TB11(4,1,I)*DGA(I));                            SRX06810
        JCITYK(4)=JCITYK(4)+(TB11(5,1,I)*DGA(I));                            SRX06820
        JCITYK(5)=JCITYK(5)+(TB11(6,1,I)*DGA(I));                            SRX06830
        JCITYK(6)=JCITYK(6)+(TB11(7,1,I)*DGA(I));                            SRX06840
        JCITYK(7)=JCITYK(7)+(TB11(8,1,I)*DGA(I));                            SRX06850
        JCITYK(8)=JCITYK(8)+(TB11(9,1,I)*DGA(I));                            SRX06860
        JCITYK(9)=JCITYK(9)+(TB11(10,1,I)*DGA(I));                           SRX06870
        END;                                                                 SRX06880
        TB11(1,1,10)=JCITYD/JCITYW;                                          SRX06890
        TB12(1,3,10)=JCITYP/JCITYW;                                          SRX06900
        TB11(2,1,10)=JCITYK(1)/JCITYW;                                       SRX06910
        TB11(3,1,10)=JCITYK(2)/JCITYW;                                       SRX06920
        TB11(4,1,10)=JCITYK(3)/JCITYW;                                       SRX06930
        TB11(5,1,10)=JCITYK(4)/JCITYW;                                       SRX06940
        TB11(6,1,10)=JCITYK(5)/JCITYW;                                       SRX06950
        TB11(7,1,10)=JCITYK(6)/JCITYW;                                       SRX06960
        TB11(8,1,10)=JCITYK(7)/JCITYW;                                       SRX06970
        TB11(9,1,10)=JCITYK(8)/JCITYW;                                       SRX06980
       TB11(10,1,10)=JCITYK(9)/JCITYW;                                       SRX06990
        PUT SKIP(3) EDIT('69999',(ARY888(I,1) DO I = 1 TO 10))               SRX07000
                        (X(1),A,X(16),10(X(1),F(10,1)));                     SRX07010
        PUT SKIP(1) EDIT((TB12(1,3,I) DO I = 1 TO 10))                       SRX07020
            (X(22),10(X(1),F(10,1)));                                        SRX07030
        PUT SKIP(1) EDIT('-------------------------------------------------',SRX07040
'-------------------------------------------------')                        SRX07050
        (X(20),A,A);                                                         SRX07060
        PUM = '00000';                                                       SRX07070
        BUN = '69999';                                                       SRX07080
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          DO I = 1 TO 10;                                                    SRX07090
          SWGT(I)=TBWGN(3,I) + 0.0501;                                       SRX07100
          KSN(I) = ARY888(I,1);                                              SRX07110
          JSN(I) = ARY888(I,2);                                              SRX07120
          JDS(I) = ARY888(I,3);                                              SRX07130
          JYM(I) = ARY888(I,4);                                              SRX07140
          JYD(I) = ARY888(I,5);                                              SRX07150
          END;     CALL SUB1;                                                SRX07160
          WRITE FILE(SAM)  FROM(SAMREC);                                     SRX07170
          PK = PK + 1;                                                       SRX07180
          TB4(1,PK,1) = ARY8888(1,1);                                        SRX07190
          TB4(1,PK,2) = ARY8888(1,2);                                        SRX07200
          TB4(1,PK,3) = ARY8888(1,3);                                        SRX07210
          TB4(1,PK,4) = ARY8888(1,4);                                        SRX07220
          TB4(1,PK,5) = ARY8888(1,5);                                        SRX07230
          TB4(1,PK,6) = ARY8888(1,6);                                        SRX07240
          TB4(1,PK,7) = ARY8888(1,7);                                        SRX07250
          TB4(1,PK,8) = ARY8888(1,8);                                        SRX07260
          TB4(1,PK,9) = ARY8888(1,9);                                        SRX07270
          TB4(1,PK,10) = ARY8888(1,10);                                      SRX07280
          TB4(2,PK,1) = ARY8888(10,1);                                       SRX07290
          TB4(2,PK,2) = ARY8888(10,2);                                       SRX07300
          TB4(2,PK,3) = ARY8888(10,3);                                       SRX07310
          TB4(2,PK,4) = ARY8888(10,4);                                       SRX07320
          TB4(2,PK,5) = ARY8888(10,5);                                       SRX07330
          TB4(2,PK,6) = ARY8888(10,6);                                       SRX07340
          TB4(2,PK,7) = ARY8888(10,7);                                       SRX07350
          TB4(2,PK,8) = ARY8888(10,8);                                       SRX07360
          TB4(2,PK,9) = ARY8888(10,9);                                       SRX07370
          TB4(2,PK,10) = ARY8888(10,10);                                     SRX07380
          TB5(1,PK,1)=TBWGN(3,1);                                            SRX07390
          TB5(2,PK,1)=TBWGN(3,10);                                           SRX07400
          TPUM(PK) = BUN;                                                    SRX07410
          JCITYD=0; JCITYP=0; JCITYW=0; JCITYK=0;                            SRX07420
          KEYCOD = '60000';                                                  SRX07430
          READ FILE(ISAM) KEY(KEYCOD) INTO(ISMREC);                          SRX07440
          DO I = 1 TO 10;                                                    SRX07450
          DGA(I) = ISGA(I) / 10;                                             SRX07460
          END;                                                               SRX07470
          DO I = 1 TO 9;                                                     SRX07480
          TB11(1,1,I) = TB12(1,1,I) / TBWGN(1,I);                            SRX07490
          JCITYD=JCITYD+(TB11(1,1,I)*DGA(I));                                SRX07500
          JCITYP=JCITYP+(TB12(1,1,I)*DGA(I));                                SRX07510
          JCITYW=JCITYW+DGA(I);                                              SRX07520
          TB11(2,1,I) = TB12(2,1,I) / TBWGN(1,I);                            SRX07530
          TB11(3,1,I) = TB12(3,1,I) / TBWGN(1,I);                            SRX07540
          TB11(4,1,I) = TB12(4,1,I) / TBWGN(1,I);                            SRX07550
          TB11(5,1,I) = TB12(5,1,I) / TBWGN(1,I);                            SRX07560
          TB11(6,1,I) = TB12(6,1,I) / TBWGN(1,I);                            SRX07570
          TB11(7,1,I) = TB12(7,1,I) / TBWGN(1,I);                            SRX07580
          TB11(8,1,I) = TB12(8,1,I) / TBWGN(1,I);                            SRX07590
          TB11(9,1,I) = TB12(9,1,I) / TBWGN(1,I);                            SRX07600
          TB11(10,1,I) = TB12(10,1,I) / TBWGN(1,I);                          SRX07610
          JCITYK(1)=JCITYK(1)+(TB11(2,1,I)*DGA(I));                          SRX07620
          JCITYK(2)=JCITYK(2)+(TB11(3,1,I)*DGA(I));                          SRX07630
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          JCITYK(3)=JCITYK(3)+(TB11(4,1,I)*DGA(I));                    SRX07640
          JCITYK(4)=JCITYK(4)+(TB11(5,1,I)*DGA(I));                    SRX07650
          JCITYK(5)=JCITYK(5)+(TB11(6,1,I)*DGA(I));                    SRX07660
          JCITYK(6)=JCITYK(6)+(TB11(7,1,I)*DGA(I));                    SRX07670
          JCITYK(7)=JCITYK(7)+(TB11(8,1,I)*DGA(I));                    SRX07680
          JCITYK(8)=JCITYK(8)+(TB11(9,1,I)*DGA(I));                    SRX07690
          JCITYK(9)=JCITYK(9)+(TB11(10,1,I)*DGA(I));                   SRX07700
          END;                                                         SRX07710
          TB11(1,1,10)=JCITYD/JCITYW;                                  SRX07720
          TB12(1,1,10)=JCITYP/JCITYW;                                  SRX07730
          TB11(2,1,10)=JCITYK(1)/JCITYW;                               SRX07740
          TB11(3,1,10)=JCITYK(2)/JCITYW;                               SRX07750
          TB11(4,1,10)=JCITYK(3)/JCITYW;                               SRX07760
          TB11(5,1,10)=JCITYK(4)/JCITYW;                               SRX07770
          TB11(6,1,10)=JCITYK(5)/JCITYW;                               SRX07780
          TB11(7,1,10)=JCITYK(6)/JCITYW;                               SRX07790
          TB11(8,1,10)=JCITYK(7)/JCITYW;                               SRX07800
          TB11(9,1,10)=JCITYK(8)/JCITYW;                               SRX07810
         TB11(10,1,10)=JCITYK(9)/JCITYW;                               SRX07820
          PUT SKIP(3) EDIT('60000',(ARY999(I,1) DO I = 1 TO 10))       SRX07830
                          (X(1),A,X(16),10(X(1),F(10,1)));             SRX07840
          PUT SKIP(1) EDIT((TB12(1,1,I) DO I = 1 TO 10))               SRX07850
              (X(22),10(X(1),F(10,1)));                                SRX07860
          PUT SKIP(1) EDIT('-------------------------------------------',SRX07870
'-------------------------------------------------------------------------')SRX07880
          (X(20),A,A);                                                 SRX07890
          PUM = '00000';                                               SRX07900
          BUN = '60000';                                               SRX07910
          DO I = 1 TO 10;                                              SRX07920
          SWGT(I)=TBWGN(1,I) + 0.0501;                                 SRX07930
          KSN(I) = ARY999(I,1);                                        SRX07940
          JSN(I) = ARY999(I,2);                                        SRX07950
          JDS(I) = ARY999(I,3);                                        SRX07960
          JYM(I) = ARY999(I,4);                                        SRX07970
          JYD(I) = ARY999(I,5);                                        SRX07980
          END;   CALL SUB1;                                            SRX07990
          WRITE FILE(SAM)    FROM(SAMREC);                             SRX08000
          PK = PK + 1;                                                 SRX08010
          TB4(1,PK,1)=ARY9999(1,1);                                    SRX08020
          TB4(1,PK,2)=ARY9999(1,2);                                    SRX08030
          TB4(1,PK,3)=ARY9999(1,3);                                    SRX08040
          TB4(1,PK,4)=ARY9999(1,4);                                    SRX08050
          TB4(1,PK,5)=ARY9999(1,5);                                    SRX08060
          TB4(1,PK,6)=ARY9999(1,6);                                    SRX08070
          TB4(1,PK,7)=ARY9999(1,7);                                    SRX08080
          TB4(1,PK,8)=ARY9999(1,8);                                    SRX08090
          TB4(1,PK,9)=ARY9999(1,9);                                    SRX08100
          TB4(1,PK,10)=ARY9999(1,10);                                  SRX08110
          TB4(2,PK,1)=ARY9999(10,1);                                   SRX08120
          TB4(2,PK,2)=ARY9999(10,2);                                   SRX08130
          TB4(2,PK,3)=ARY9999(10,3);                                   SRX08140
          TB4(2,PK,4)=ARY9999(10,4);                                   SRX08150
          TB4(2,PK,5)=ARY9999(10,5);                                   SRX08160
          TB4(2,PK,6)=ARY9999(10,6);                                   SRX08170
          TB4(2,PK,7)=ARY9999(10,7);                                   SRX08180
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          TB4(2,PK,8)=ARY9999(10,8);                                          SRX08190
          TB4(2,PK,9)=ARY9999(10,9);                                          SRX08200
          TB4(2,PK,10)=ARY9999(10,10);                                        SRX08210
          TPUM(PK)=BUN;                                                       SRX08220
          TB5(1,PK,1) = TBWGN(1,1);                                           SRX08230
          TB5(2,PK,1) = TBWGN(1,10);                                          SRX08240
     END TOTR;                                                                SRX08250
     ENDE35: END E35X;                                                        SRX08260
          CLOSE FILE(DISK),FILE(SAM);                                         SRX08270
          END EX109;                                                          SRX08280
  /*************************************************************/             SRX08290
     TAB2:    PROC;                                                          SRX08300
          PUT PAGE;  HEADA1='VNAAHRVYQUF QNSTJRVY';  PP='2';                  SRX08310
          PUT SKIP(2) EDIT('** SEOUL **')(X(5),A);                            SRX08320
          CALL HEAD2;                                                         SRX08330
          OPEN FILE(DAM);  ON ENDFILE(DAM) GO TO SMLST1;                      SRX08340
     SAMRD1:                                                                  SRX08350
          READ FILE(DAM)  INTO(SAMREC);                                       SRX08360
    KSN1=KSN(1); JSN1=JSN(1); JDS1=JDS(1); JYM1=JYM(1); JYD1=JYD(1);          SRX08370
          IF JSN1 = 0 THEN DO; D1=0; GOTO N1; END;                            SRX08380
          D1=(KSN1/ JSN1 -1) * 100;                                           SRX08390
     N1:  IF JDS1=0 THEN DO; D2=0; GOTO N2; END;                              SRX08400
          D2=(KSN1/ JDS1 -1) * 100;                                           SRX08410
     N2:  IF JYM1=0 THEN DO; D3=0; GOTO N3; END;                              SRX08420
          D3=(KSN1/ JYM1 -1) * 100;                                           SRX08430
     N3:  IF JYD1=0 THEN DO; D4=0; GOTO N4; END;                              SRX08440
          D4=(KSN1/ JYD1 -1) * 100;                                           SRX08450
     N4:  K1=((KSN1- JSN1) * SWGT(1)) / (TOTDEX(1,1) * 10);                   SRX08460
          K2=((KSN1- JDS1) * SWGT(1)) / (TOTDEX(1,2) * 10);                   SRX08470
          K3=((KSN1- JYM1) * SWGT(1)) / (TOTDEX(1,3) * 10);                   SRX08480
          K4=((KSN1- JYD1) * SWGT(1)) / (TOTDEX(1,4) * 10);                   SRX08490
          IF CSN=4 THEN DO;                                                   SRX08500
          IF SUBSTR(BUN,1,1)='6' THEN GOTO AB1;                               SRX08510
          PUT SKIP(2) EDIT(BUN,KSN(1),JSN(1),JYM(1),JYD(1),D1,D3,D4,          SRX08520
              K1,K3,K4)(X(5),A(5),X(5),F(6,2),X(2),F(6,2),X(8),F(6,2),        SRX08530
              X(2),F(6,2),X(10),F(5,2),X(7),F(5,2),X(2),F(5,2),X(9),          SRX08540
              F(5,2),X(7),F(5,2),X(2),F(5,2));                                SRX08550
          GOTO SAMRD1;                                                        SRX08560
     AB1: PUT SKIP(2) EDIT(BUN,KSN(1),JSN(1),JYM(1),JYD(1),D1,D3,D4,          SRX08570
              K1,K3,K4)(X(5),A(5),X(5),F(6,1),X(2),F(6,1),X(8),F(6,1),        SRX08580
              X(2),F(6,1),X(10),F(5,2),X(7),F(5,2),X(2),F(5,2),X(9),          SRX08590
              F(5,2),X(7),F(5,2),X(2),F(5,2));                                SRX08600
              GOTO AC2;                                                       SRX08610
      END;                                                                    SRX08620
          IF SUBSTR(BUN,1,1) = '6' THEN GOTO WT2R;                            SRX08630
          PUT SKIP(2) EDIT(BUN,KSN(1),JSN(1),JDS(1),JYM(1),JYD(1),            SRX08640
              D1,D2,D3,D4,K1,K2,K3,K4)(X(5),A(5),X(5),F(6,2),X(2),            SRX08650
              F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(8),F(5,2),         SRX08660
              X(2),F(5,2),X(2),F(5,2),X(2),F(5,2),X(8),F(5,2),X(2),           SRX08670
              F(5,2),X(2),F(5,2),X(2),F(5,2));                                SRX08680
          GOTO SAMRD1;                                                        SRX08690
     WT2R:                                                                    SRX08700
          PUT SKIP(2) EDIT(BUN,KSN(1),JSN(1),JDS(1),JYM(1),JYD(1),            SRX08710
              D1,D2,D3,D4,K1,K2,K3,K4)(X(5),A(5),X(5),F(6,1),X(2),            SRX08720
              F(6,1),X(2),F(6,1),X(2),F(6,1),X(2),F(6,1),X(8),                SRX08730
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              F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2),X(8),
              F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2));
      AC2:  PUT SKIP(1) EDIT('----------------------------------------------',
       '--------------------------------------------------------------',
       '-----------')(X(10),A,A,A);
              GOTO SAMRD1;
       SMLST1:
            CLOSE FILE(DAM);
            OPEN FILE(DAM) SEQUENTIAL INPUT; ON ENDFILE(DAM) GOTO LAST2;
            PUT PAGE;  PUT SKIP(3) EDIT('JEONDOSI')(X(5),A);
            CALL HEAD2;
       SAMRD2:
            READ FILE(DAM) INTO(SAMREC);
            KSN10=KSN(10); JSN10=JSN(10); JDS10=JDS(10); JYM10=JYM(10);
            JYD10=JYD(10);
            IF JSN10=0 THEN DO; D1=0; GOTO NN1; END;
            D1=(KSN10/JSN10-1) * 100;
       NN1: IF JDS10=0 THEN DO; D2=0; GOTO NN2; END;
            D2=(KSN10/JDS10-1) * 100;
       NN2: IF JYM10=0 THEN DO; D3=0; GOTO NN3; END;
            D3=(KSN10/JYM10-1) * 100;
       NN3: IF JYD10=0 THEN DO; D4=0; GOTO NN4; END;
            D4=(KSN10/JYD10-1) * 100;
       NN4: K1=((KSN10-JSN10)* SWGT(10))/ (TOTDEX(10,1) * 10);
            K2=((KSN10-JDS10)* SWGT(10))/ (TOTDEX(10,2) * 10);
            K3=((KSN10-JYM10)* SWGT(10)) / (TOTDEX(10,3) * 10);
            K4=((KSN10-JYD10)* SWGT(10)) / (TOTDEX(10,4) * 10);
            IF CSN=4 THEN DO;
           IF SUBSTR(BUN,1,1) = '6' THEN GOTO AB3;
             PUT SKIP(2) EDIT(BUN,KSN(10),JSN(10),JYM(10),JYD(10),
               D1,D3,D4,K1,K3,K4)(X(5),A(5),X(5),F(6,2),X(2),F(6,2),
               X(8),F(6,2),X(2),F(6,2),X(10),F(5,2),X(7),F(5,2),X(2),
               F(5,2),X(9),F(5,2),X(7),F(5,2),X(2),F(5,2));
               GOTO SAMRD2;
       AB3: PUT SKIP(2) EDIT(BUN,KSN(10),JSN(10),JYM(10),JYD(10),
           D1,D3,D4,K1,K3,K4)(X(5),A(5),X(5),F(6,1),X(2),F(6,1),X(8),
             F(6,1),X(2),F(6,1),X(10),F(5,2),X(7),F(5,2),X(2),F(5,2),
             X(9),F(5,2),X(7),F(5,2),X(2),F(5,2));
             GOTO AB4;  END;
            IF SUBSTR(BUN,1,1) = '6' THEN GOTO WT3;
            PUT SKIP(2) EDIT(BUN,KSN(10),JSN(10),JDS(10),JYM(10),
                JYD(10),D1,D2,D3,D4,K1,K2,K3.K4)(X(5),A(5),X(5),F(6,2),
                X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(2),F(6,2),X(8),
            F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2),X(8),
            F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2));
            GOTO SAMRD2;
         WT3:
            PUT SKIP(2) EDIT(BUN,KSN(10),JSN(10),JDS(10),JYM(10),
                JYD(10),D1,D2,D3,D4,K1,K2,K3,K4)(X(5),A(5),X(5),F(6,1),
                X(2),F(6,1),X(2),F(6,1),X(2),F(6,1),X(2),F(6,1);X(8),
                F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2),X(8),
                F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2));
      AB4:  PUT SKIP(1) EDIT('----------------------------------------------',
      '---------------------------------------------------------------',
      '-----------------')(X(10),A,A,A);
```
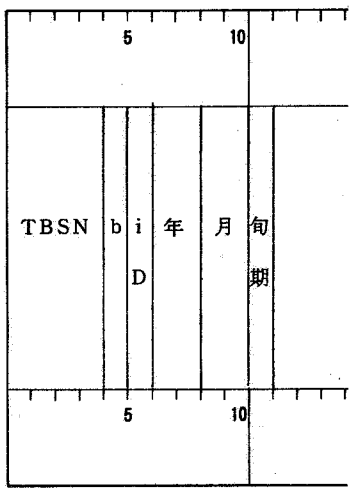

```
          GOTO SAMRD2;                                                    SRX09290
       LAST2:                                                             SRX09300
          CLOSE FILE(DAM);                                                SRX09310
      END TAB2;                                                           SRX09320
      TAB3:    PROC;                                                      SRX09330
          PP=3;                                                           SRX09340
          DO I = 1 TO 10;                                                 SRX09350
          OPEN FILE(DAM) SEQUENTIAL INPUT;                                SRX09360
          ON ENDFILE(DAM) GOTO LAST3;                                     SRX09370
          PUT PAGE;                                                       SRX09380
          PUT SKIP(2) EDIT('** ',DOSI(I),' **')(X(5),A,A,A);              SRX09390
          HEADA1= 'DBQUF QNSTJRVY';                                       SRX09400
          CALL HEAD2;                                                     SRX09410
        SAMRD3:                                                           SRX09420
          READ FILE(DAM)  INTO(SAMREC);                                   SRX09430
          IF SUBSTR(BUN,1,1) ^= '6' THEN GOTO SAMRD3;                     SRX09440
    KSN1=KSN(I); JSN1=JSN(I); JDS1=JDS(I); JYM1=JYM(I); JYD1=JYD(I);      SRX09450
          IF JSN1=0 THEN DO; D1=0; GOTO NE1; END;                         SRX09460
          D1= (KSN1 / JSN1 - 1) * 100;                                    SRX09470
      NE1: IF JDS1=0 THEN DO; D2=0; GOTO NE2; END;                        SRX09480
          D2= (KSN1 / JDS1 - 1) * 100;                                    SRX09490
      NE2: IF JYM1=0 THEN DO; D3=0; GOTO NE3; END;                        SRX09500
          D3= (KSN1 / JYM1 - 1) * 100;                                    SRX09510
      NE3: IF JYD1=0 THEN DO; D4=0; GOTO NE4; END;                        SRX09520
          D4= (KSN1 / JYD1 - 1) * 100;                                    SRX09530
      NE4: K1= ((KSN1 - JSN1)* SWGT(I))/ (TOTDEX(I,1) * 10);              SRX09540
          K2= ((KSN1 - JDS1)* SWGT(I))/ (TOTDEX(I,2) * 10);               SRX09550
          K3= ((KSN1 - JYM1)* SWGT(I))/ (TOTDEX(I,3) * 10);               SRX09560
          K4= ((KSN1 - JYD1)* SWGT(I))/ (TOTDEX(I,4) * 10);               SRX09570
          IF CSN=4 THEN DO;                                               SRX09580
          PUT SKIP(2) EDIT(BUN,KSN(I),JSN(I),JYM(I),JYD(I),               SRX09590
              D1,D3,D4,K1,K3,K4)(X(5),A(5),X(5),F(6,1),X(2),F(6,1),       SRX09600
             X(8),F(6,1),X(2),F(6,1),X(9),F(5,1),X(7),F(5,1),X(2),        SRX09610
             F(5,1),X(8),F(5,2),X(7),F(5,2),X(2),                         SRX09620
              F(5,2));                                                    SRX09630
          GOTO SAMRD3;   END;                                             SRX09640
          PUT SKIP(2) EDIT(BUN,KSN(I),JSN(I),JDS(I),JYM(I),JYD(I),        SRX09650
              D1,D2,D3,D4,K1,K2,K3,K4)(X(5),A(5),X(5),F(6,1),X(2),        SRX09660
              F(6,1),X(2),F(6,1),X(2),F(6,1),X(2),F(6,1),X(8),            SRX09670
              F(5,1),X(2),F(5,1),X(2),F(5,1),X(2),F(5,1),X(8),            SRX09680
              F(5,2),X(2),F(5,2),X(2),F(5,2),X(2),F(5,2));                SRX09690
          GOTO SAMRD3;                                                    SRX09700
      LAST3:                                                              SRX09710
          CLOSE FILE(DAM);                                                SRX09720
      END;                                                                SRX09730
      END TAB3;                                                           SRX09740
     /*************************************************************/      SRX09750
      TAB4:    PROC;                                                      SRX09760
          PUT PAGE;                                                       SRX09770
        DCL DSI (2) CHAR(8) INIT('SEOUL','JEONDOSI');                     SRX09780
          DO I = 1 TO 2;                                                  SRX09790
          PUT SKIP(2) EDIT('** ',DSI(I),' **')(X(5),A,A,A);               SRX09800
          HEADA1 = 'RNEOQNSFB WLTN RUFRHKVY';                             SRX09810
          L50 =50;   JYY = CYY - 1;                                       SRX09820
          CALL HGBATCH (FUNC,RTC,HEADA1,L50,HEADHG,L50);                  SRX09830
```

```
          PUT SKIP(2) EDIT('TAB #4',HHG1,'1980 = 100')                    SRX09840
                      (X(5),A,X(50),A(30),X(30),A);                       SRX09850
          PUT SKIP(0) EDIT(HHG2)(X(61),A(30));                            SRX09860
          PUT SKIP(1) EDIT(HHG3)(X(61),A(30));                            SRX09870
          PUT SKIP(3) EDIT('*----- ',CYY,CMM,CSN,' -----*',               SRX09880
              '*----- ',JYY,CMM,CSN,' -----*')                            SRX09890
              (X(25),A,X(2),A,X(2),A,X(2),A,A,X(40),A,X(2),A,X(2),        SRX09900
              A,X(2),A,A);                                                SRX09910
          PUT SKIP(2) EDIT('* GISOO *','* DUNG RAK YUL *','* GISOO *',    SRX09920
            '* DUNG RAK YUL *')(X(23),A,X(10),A,X(20),A,X(10),A);         SRX09930
      PUT SKIP(2) EDIT('CODE','WGIT      K-SUN     J-SUN     ',          SRX09940
     'J-S   J-D   J-M   JY-D','K-SUN   J-SUN     J-S  J-D   J-M   JY-D') SRX09950
              (X(3),A,X(3),A,X(2),A,X(10),A);                             SRX09960
           DO J = 1 TO 22;                                                SRX09970
        TB1=TB4(I,J,1)+0.0500001;  TB4(I,J,1)=TB1;                        SRX09980
        TB1=TB4(I,J,2)+0.0500001;  TB4(I,J,2)=TB1;                        SRX09990
        TB1=TB4(I,J,3)+0.0500001;  TB4(I,J,3)=TB1;                        SRX10000
        TB1=TB4(I,J,4)+0.0500001;  TB4(I,J,4)=TB1;                        SRX10010
        TB1=TB4(I,J,5)+0.0500001;  TB4(I,J,5)=TB1;                        SRX10020
        TB1=TB4(I,J,6)+0.0500001;  TB4(I,J,6)=TB1;                        SRX10030
        TB1=TB4(I,J,7)+0.0500001;  TB4(I,J,7)=TB1;                        SRX10040
        TB1=TB4(I,J,8)+0.0500001;  TB4(I,J,8)=TB1;                        SRX10050
        TB1=TB4(I,J,9)+0.0500001;  TB4(I,J,9)=TB1;                        SRX10060
        TB1=TB4(I,J,10)+0.0500001;  TB4(I,J,10)=TB1;                      SRX10070
              IF TB4(I,J,2)=0 THEN DO; D1=0; GOTO NX1; END;               SRX10080
              D1 = (TB4(I,J,1) / TB4(I,J,2) - 1) * 100;                   SRX10090
         NX1: IF TB4(I,J,3)=0 THEN DO; D2=0; GOTO NX2; END;               SRX10100
              D2 = (TB4(I,J,1) / TB4(I,J,3) - 1) * 100;                   SRX10110
         NX2: IF TB4(I,J,4)=0 THEN DO; D3=0; GOTO NX3; END;               SRX10120
              D3 = (TB4(I,J,1) / TB4(I,J,4) - 1) * 100;                   SRX10130
         NX3: IF TB4(I,J,5)=0 THEN DO; D4=0; GOTO NX4; END;               SRX10140
              D4 = (TB4(I,J,1) / TB4(I,J,5) - 1) * 100;                   SRX10150
         NX4: IF TB4(I,J,7)=0 THEN DO; K1=0; GOTO NX5; END;               SRX10160
              K1 = (TB4(I,J,6) / TB4(I,J,7) - 1) * 100;                   SRX10170
         NX5: IF TB4(I,J,8)=0 THEN DO; K2=0; GOTO NX6; END;               SRX10180
              K2 = (TB4(I,J,6) / TB4(I,J,8) - 1) * 100;                   SRX10190
         NX6: IF TB4(I,J,9)=0 THEN DO; K3=0; GOTO NX7; END;               SRX10200
              K3 = (TB4(I,J,6) / TB4(I,J,9) - 1) * 100;                   SRX10210
         NX7: IF TB4(I,J,10)=0 THEN DO; K4=0; GOTO NX8; END;              SRX10220
              K4 = (TB4(I,J,6) / TB4(I,J,10) - 1) * 100;                  SRX10230
            IF CSN=4 THEN DO;                                             SRX10240
          PUT SKIP(2) EDIT(TPUM(J),TB5(I,J,1),TB4(I,J,1),TB4(I,J,2),      SRX10250
              D1,D3,D4,TB4(I,J,6),TB4(I,J,7),                             SRX10260
              K1,K3,K4)(X(3),A,X(3),F(6,1),X(5),F(6,1),                   SRX10270
              X(2),F(6,1),X(5),F(5,1),X(2),F(5,1),X(2),F(5,1),X(13),      SRX10280
            F(6,1),X(2),F(6,1),X(5),F(5,1),X(2),F(5,1),X(2),F(5,1));      SRX10290
              GOTO NN1;  END;                                             SRX10300
    NX8:  PUT SKIP(2) EDIT(TPUM(J),TB5(I,J,1),TB4(I,J,1),TB4(I,J,2),      SRX10310
              D1,D2,D3,D4,TB4(I,J,6),TB4(I,J,7),                          SRX10320
              K1,K2,K3,K4)(X(3),A,X(3),F(6,1),X(5),                       SRX10330
              F(6,1),X(2),F(6,1),X(5),F(5,1),X(2),F(5,1),X(2),F(5,1),     SRX10340
              X(2),F(5,1),X(8),F(6,1),X(2),F(6,1),X(5),                   SRX10350
              F(5,1),X(2),F(5,1),X(2),F(5,1),X(2),                        SRX10360
              F(5,1));                                                    SRX10370
   NN1:   END;                                                            SRX10380
```

```
          PUT PAGE ;                                                    SRX10390
        END ;                                                           SRX10400
      END TAB4;                                                         SRX10410
  SUB1:  PROC;                                                          SRX10420
      DO I = 1 TO 10;                                                   SRX10430
      OIMSI=KSN(I)*100;  DXCH=OIMSI;                                    SRX10440
      SUBSTR(DXCH,5,1)='0';                                             SRX10450
      OIMSI=DXCH;   KSN(I)=OIMSI/100;                                   SRX10460
      OIMSI=JSN(I)*100;   DXCH=OIMSI;                                   SRX10470
      SUBSTR(DXCH,5,1)='0';                                             SRX10480
      OIMSI=DXCH;  JSN(I)=OIMSI/100;                                    SRX10490
      OIMSI=JDS(I)*100;   DXCH=OIMSI;                                   SRX10500
      SUBSTR(DXCH,5,1)='0';                                             SRX10510
      OIMSI=DXCH;  JDS(I)=OIMSI/100;                                    SRX10520
      OIMSI=JYM(I)*100;   DXCH=OIMSI;                                   SRX10530
      SUBSTR(DXCH,5,1)='0';                                             SRX10540
      OIMSI=DXCH; JYM(I)=OIMSI/100;                                     SRX10550
      OIMSI=JYD(I)*100;    DXCH=OIMSI;                                  SRX10560
      SUBSTR(DXCH,5,1)='0';                                             SRX10570
      OIMSI=DXCH;  JYD(I)=OIMSI/100;                                    SRX10580
      END;                                                              SRX10590
   END SUB1;                                                            SRX10600
   HEAD2:   PROC;                                                       SRX10610
      L50=50;                                                           SRX10620
      CALL HGBATCH (FUNC,RTC,HEADA1,L50,HEADHG,L50);                    SRX10630
      PUT SKIP(2) EDIT('TAB #',PP,HHG1,'1980 = 100')                    SRX10640
            (X(5),A,A,X(50),A(30),X(20),A);                             SRX10650
      PUT SKIP(0) EDIT(HHG2)(X(61),A(30));                              SRX10660
      PUT SKIP(1) EDIT(HHG3,CYY,CMM,DAY)(X(61),A(30),                   SRX10670
                  X(15),F(2),X(2),F(2),X(2),F(2));                      SRX10680
      PUT SKIP(3) EDIT('*--------- GI SOO ---------*',                 SRX10690
                       '*------ DUNG RAK YUL ------*',                 SRX10700
                       '*------ KI YUA DO ---------*')                 SRX10710
        (X(22),A,X(13),A,X(8),A);                                       SRX10720
  PUT SKIP(2) EDIT('CODE','K-SUN   J-SUN   JDONG   J-MAL    J-DNG',    SRX10730
       'J-S    J-D    J-M   JY-D','J-S    J-D    J-M    JY-D')         SRX10740
       (X(6),A,X(5),A,X(9),A,X(10),A);                                  SRX10750
   END HEAD2;                                                           SRX10760
   % INCLUDE HANPRTS ;
   LAST:                                                                SRX10780
      END TABUL;                                                        SRX10790
/*
//GO.SYSPRINT DD SYSOUT=O                                             SRX03490
//GO.SYSLIB DD DSN=SYS1.LINKLIB,DISP=SHR
//GO.DISK  DD DSN=SRXK54(INDEX),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1 SRX00120
//         DD DSN=SRXK54(PRIME),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1 SRX00130
//GO.ISAM  DD DSN=RX1111(INDEX),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1 SRX00140
//         DD DSN=RX1111(PRIME),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1 SRX00150
//GO.SAM DD DSN=RXSAM11,UNIT=SYSDA,DISP=(NEW,KEEP),VOL=SER=BOSWK1,      SRX00160
//     DCB=(RECFM=FB,BLKSIZE=3100,LRECL=310),SPACE=(CYL,20)             SRX00170
//GO.DAM    DD  DSN=RXSAM11,UNIT=SYSDA,DISP=(OLD,KEEP),VOL=SER=BOSWK1,  SRX00180
//     DCB=(RECFM=FB,BLKSIZE=3100,LRECL=310),SPACE=(CYL,20)             SRX00190
//GO.SYSOUT DD SYSOUT=O                                               SRX00200
//GO.SORTLIB DD DSN=ICE.SORTLIB,DISP=SHR                              SRX00210
//GO.SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,20,,CONTIG)                    SRX00220
```

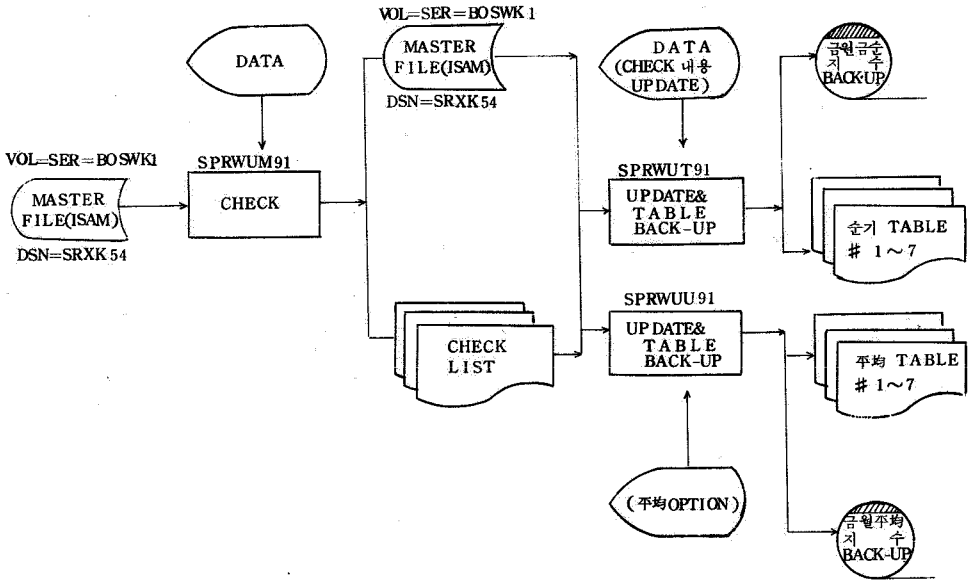
```
FILE: SRXWTM54 PLIOPT   A1  VM/SP CMS (PUT8108+) - 10/16/82

//GO.SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,20,,CONTIG)                    SRX00230
//GO.SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,20,,CONTIG)                    SRX00240
//GO.CARD DD *                                                        SRX00250
TBSN 184021                                                           SRX00260
/*                                                                    SRX00270
//                                                                    SRX00280
```

〈 9大分類 〉

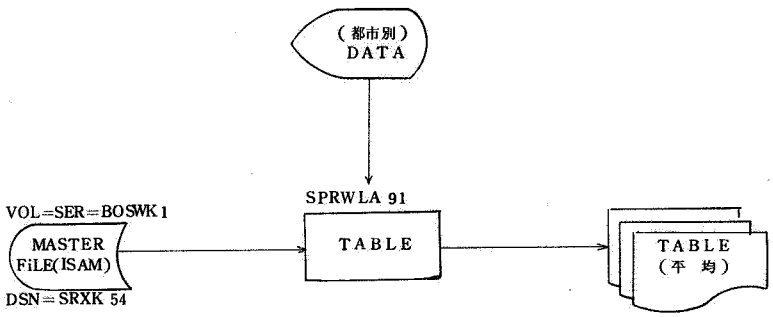


2. FLOW CHART

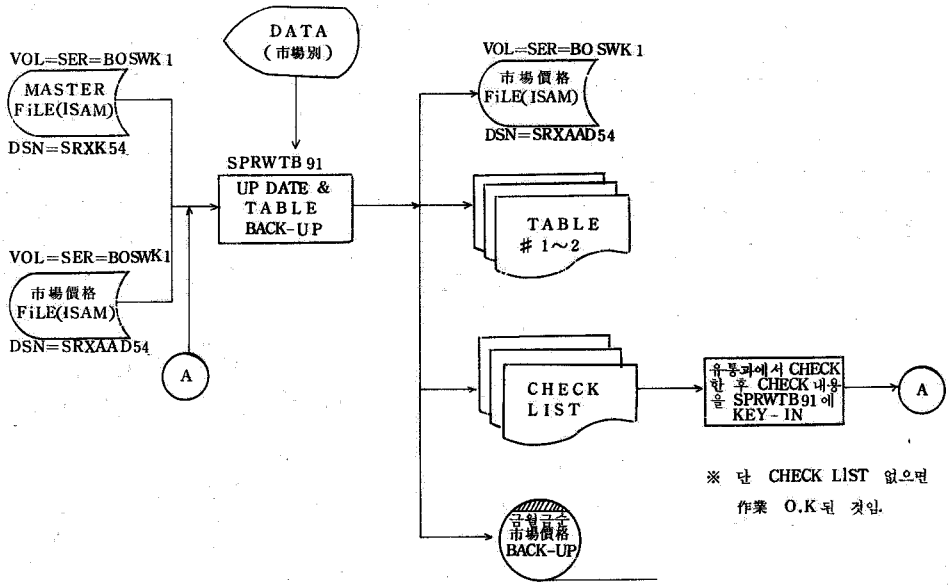
소매물가 순기별 지수 SYSTEM FLOW



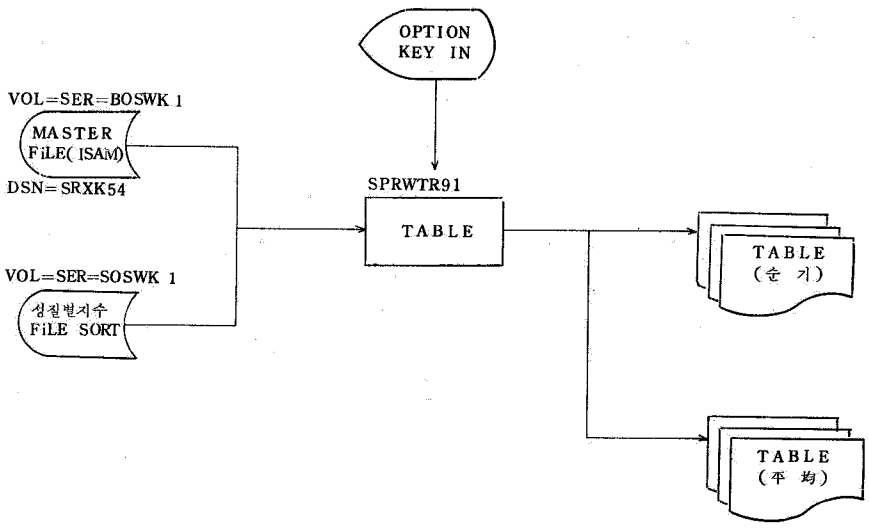
소매물가 도시별 가격 SYSTEM FLOW



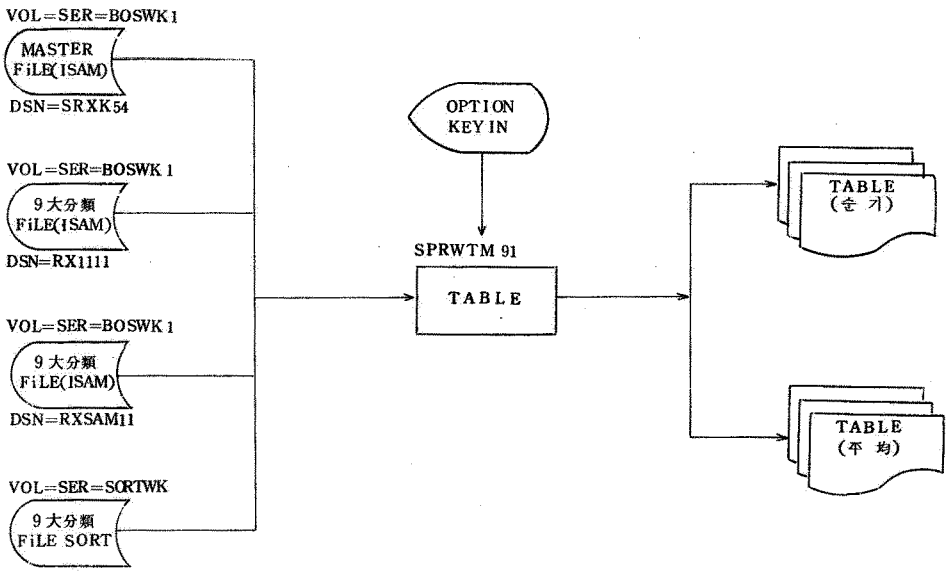
소매물가 시장가격 SYSTEM FLOW



소매물가 성질별 지수 SYSTEM FLOW

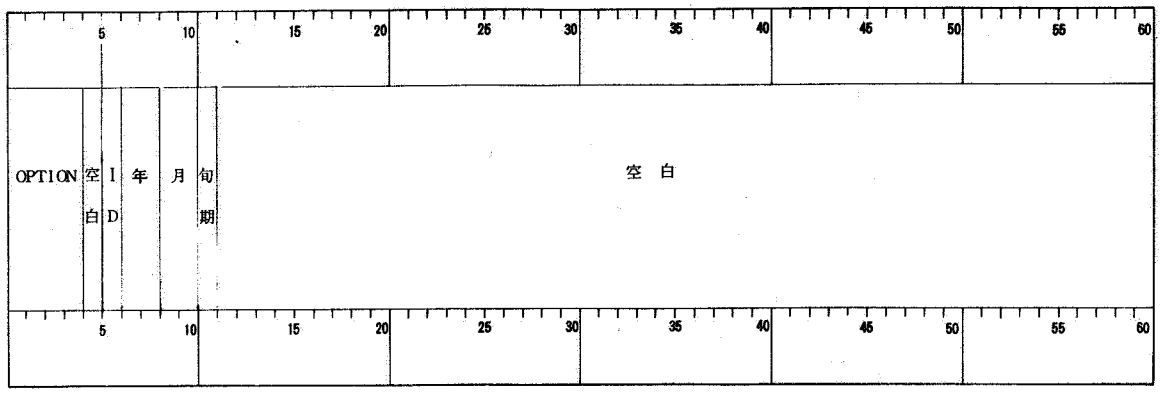


小賣物價 9大分類 SYSTEM FLOW



3. 入力 DESIGN LAYOUT

○ 性質別指數 및 9大分類 Table(OPTION CARD)

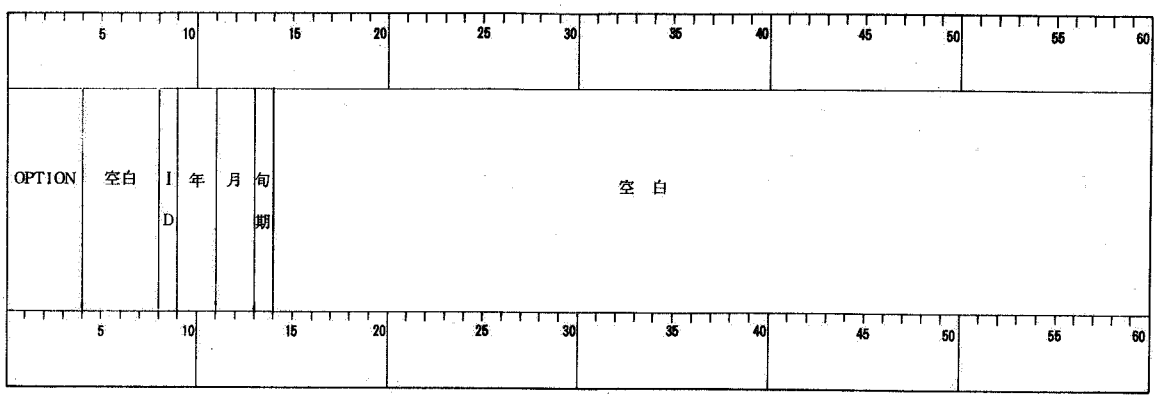


○ data check (option card)

○ data update 및 Table (旬期) (option card)

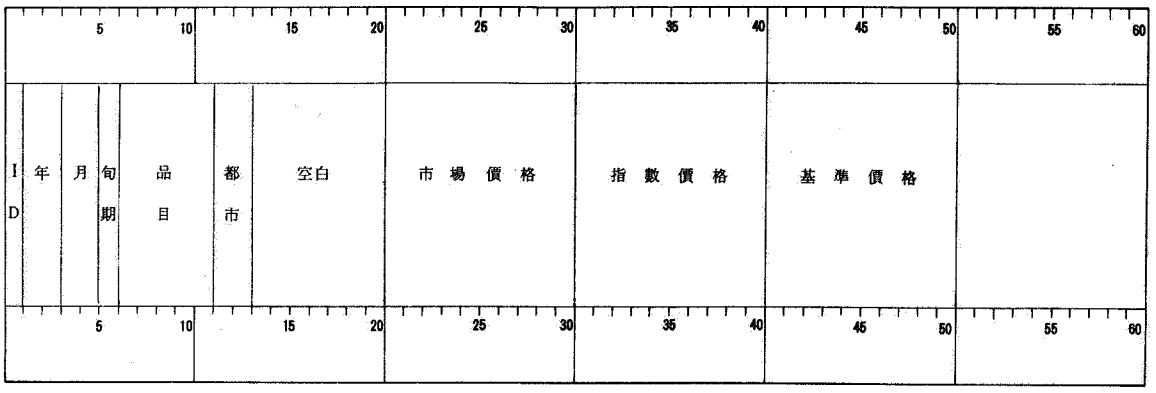
○ data update 및 Table (平均) (option card)

○ 都市別 價格Data 및 Table (平均) (option card)

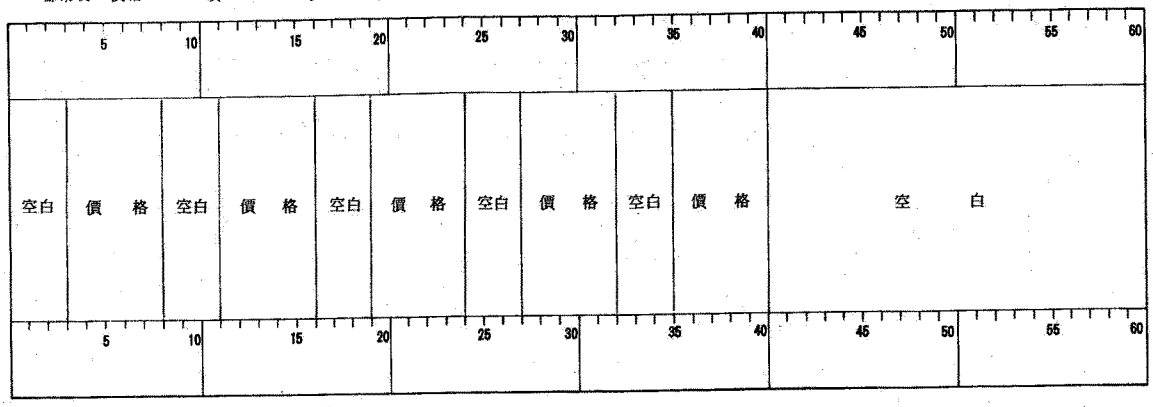


○ data check (data card)

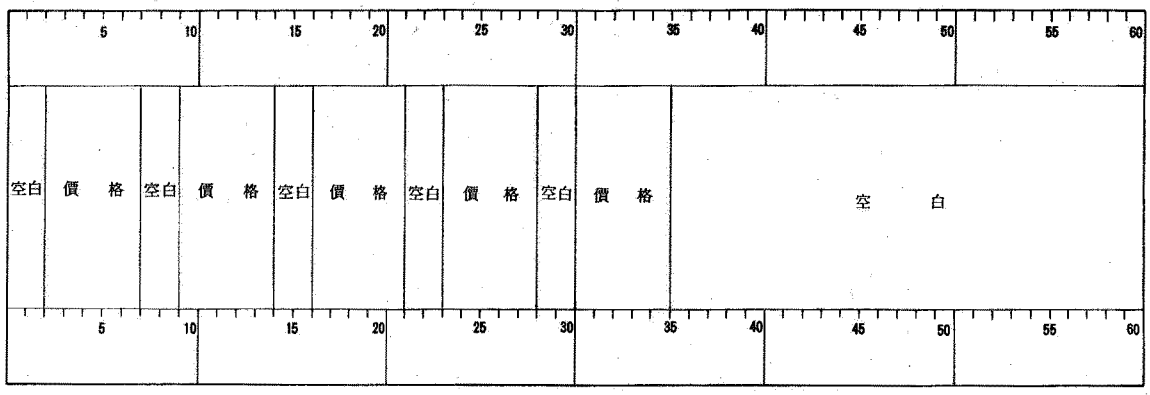
○ data update 및 Table (data card)



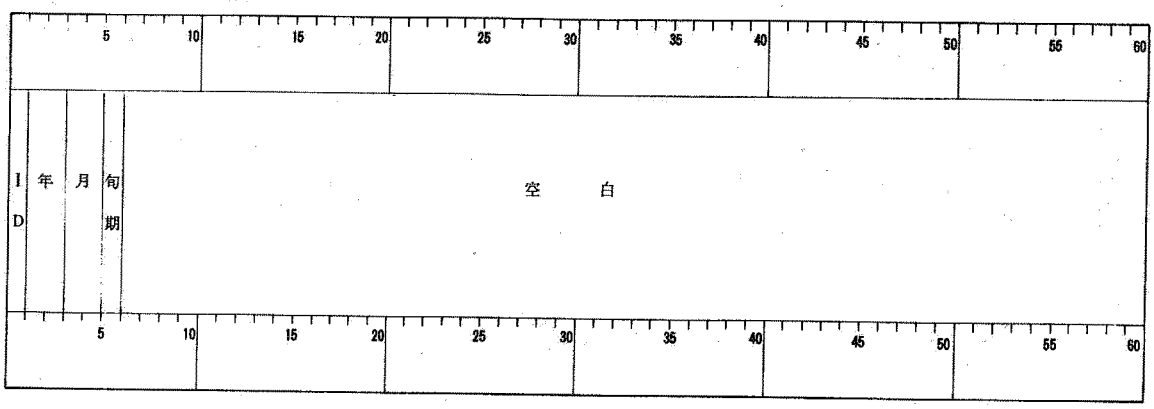
○ 都市別 價格Data 및 Table (平均) (data card)



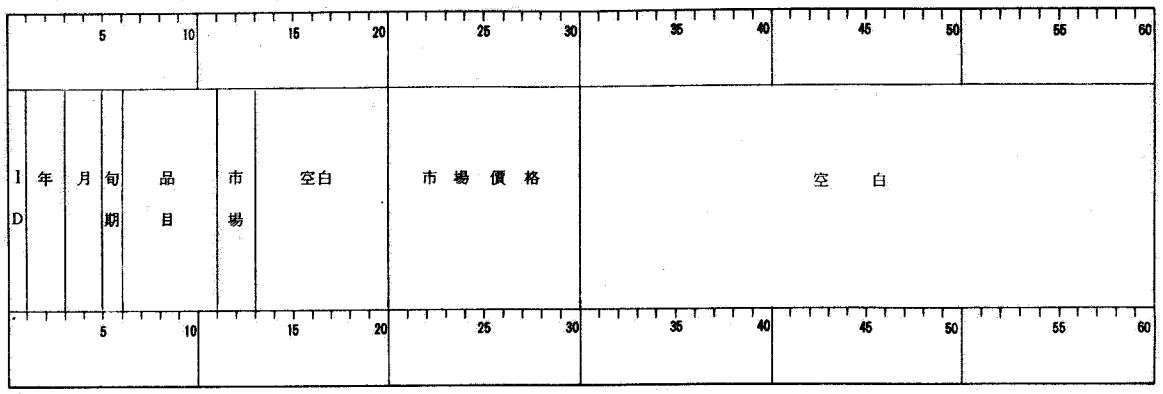
○ 市場別 價格 update 및 Table (平均) (date card)



○ 市場別 價格 OPTION CARD



○ 市場別 價格 Updtate 및 Table (Data Card) (旬期)



4. 資料入出力選擇 CODE

資料入出力　選擇　CODE

OPTION	TBSN ：初旬　～　下旬
	TBMN：平　均
ID	1：變動價格
	2：修正價格
旬　期	1：初　旬
	2：中　旬
	3：下　旬
	4：平　均

5．資料處理要求書作成方法

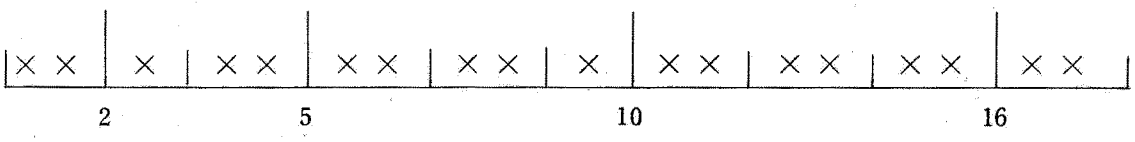
— 資料處理作業을 始作하기 前 다음과 같은 資料處理要求書에 該當事項을 記入하여 電子計算室 運用擔當者의 確認을 得한 後에 作業을 始作하여야 한다.

— 年度가 바뀔 때는 Program의 修正은 없으나 Data File을 調整해야 하므로 반드시 System 關係者 或은 Program 作成者에게 問議해야 한다.

— 作業을 完了後에는 Back-up File을 保管해야 하므로 電算室에 作業이 끝났음을 알리고 File 보관 狀態를 確認할 것.

— Back-up Tape 作成時 label은 다음 CODE形式에 따라 作成한다.

테이프作業電算化 CODE



年度	課	業務名	過程	차수 01 ∫ 99	RUN TEST	USER CODE	도·월 分 期	USER 使 用	REEL수 2-1 2-1

過程
- CR CORRECTION
- DB DEBLOCK
- ED EDITING OK
- ER EDITING ERROR
- MT MATCH
- LP LINE-UP
- TT TTT
- TD TTD
- DT DTT
- ST SELECT
- UP UPDATE
- SM SUM
- SO SORT
- MG MERGE
- TB TABLE
- BK BACK UP
- MS MASTER
- CV CONVERT

RUN TEST → R-RUN, T-TEST

도·월 分 期 → 월 01 - 12

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : CHECK　　기재번호 : 7 매중 1 매

PROGRAM명 : SPRWUM91	한글 · 영문	USER ID : CMSYOU CMSYOU	소요예정시간 : 시간 10 분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL. BL
DISK		"BOSWK 1"	I/O		V		RL BL
PRINT		PR	O		V		RL BL
							RL BL
							RL BL
							RL BL
							RL BL

참고사항	P . G				
	작성일자	월 일	월 일	월 일	월 일
	O . P				
	작업일자	월 일	월 일	월 일	월 일

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : UPDATA & TAB　　기재번호 : 7 매중 2 매

PROGRAM명 : SPRWUT91	한글 · 영문	USER ID : CMSYOU CMSYOU	소요예정시간 : 시간 25 분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL. BL
DISK		"BOSWK 1"	I/O		V		RL BL
TAPE		금월금순 BACK-UP (지수)	O		V		RL BL
PRINT		순기별PR	O		V		RL BL
							RL BL
							RL BL
							RL BL

참고사항	P . G				
	작성일자	월 일	월 일	월 일	월 일
	O . P				
	작업일자	월 일	월 일	월 일	월 일

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : UPDATA & TAB　기재번호 : 7 매중 3 매

PROGRAM명 : SPRWUU91	(한글)·영문	USER ID : CMSYOU CMSYOU	소요예정시간 : 시간 25분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL·BL
DISK		"BOSWK 1"	I/O		V		RL BL
TAPE		금월평균BACK-UP(지수)	O		V		RL BL
PRINT		평균별 PR	O				RL BL
							RL BL
							RL BL
							RL BL

참고사항	P.G				
	작성일자	월 일	월 일	월 일	월 일
	O.P				
	작업일자	월 일	월 일	월 일	월 일

下旬일 때 基本表 下旬作業後 RUN

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : 도시별 TAB　기재번호 : 7 매중 4 매

PROGRAM명 : SPRWLA91	(한글)·영문	USER ID : CMSYOU CMSYOU	소요예정시간 : 시간 5 분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL·BL
DISK		"BOSWK 1"	I		V		RL BL
PRINT		평균별 PR	O		V		RL BL
							RL BL
							RL BL
							RL BL
							RL BL

참고사항	P.G				
	작성일자	월 일	월 일	월 일	월 일
	O.P				
	작업일자	월 일	월 일	월 일	월 일

下旬일 때 基本表 下旬作業後 RUN

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : 시장별TAB　　기재번호 : 7 매중 5 매

PROGRAM명 : SPRWTB91	(한글)·영문	USER ID :	소요예정시간 : 시간 15분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL·BL
DISK		"BOSWK 1"	I/O		V		RL BL
TAPE		금월금순 BACK-UP (지장)	O		V		RL BL
PRINT		순기별 PR	O		V		RL BL
							RL BL
							RL BL
							RL BL

참고사항	P . G				
	작성일자	월 일	월 일	월 일	월 일
	O . P				
	작업일자	월 일	월 일	월 일	월 일

下旬일 때 BACK-UP時 TAPE 再要求時는 같은 Tape를 使用

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : 성질별지수 TAB　기재번호 : 7 매중 6 매

PROGRAM명 : SPRWTR91	(한글)·영문	USER ID : CMSYOU CMSYOU	소요예정시간 : 시간 5 분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL·BL
DISK		" BOSWK 1 "	I		V		RL BL
〃		" SORTWK 1 "	I		V		RL BL
PRINT		순기별 PR	O		V		RL BL
		평균별					RL BL
							RL BL
							RL BL

참고사항	P . G				
	작성일자	월 일	월 일	월 일	월 일
	O . P				
	작업일자	월 일	월 일	월 일	월 일

자 료 처 리 요 구 서

개발담당	운영담당

업무명 : 소매물가　　과정명 : 9대분류 TAB　기재번호 : 7 매중 7 매

PROGRAM명 : SPRWTM91	(한글)·영문	USER ID : CMSYOU CMSYOU	소요예정시간 : 시간 5 분

FILE D/T	FILE 번호	외부표찰	I/O	VOLUME OR.D.SN	보관여부	DITTO C/H	DITTO RL·BL
DISK		"BOSWK 1"	I		V		RL BL
〃		"SORTWK 1"	I		V		RL BL
PRINT		순기별 PR	O		V		RL BL
		평균별					RL BL
							RL BL
							RL BL

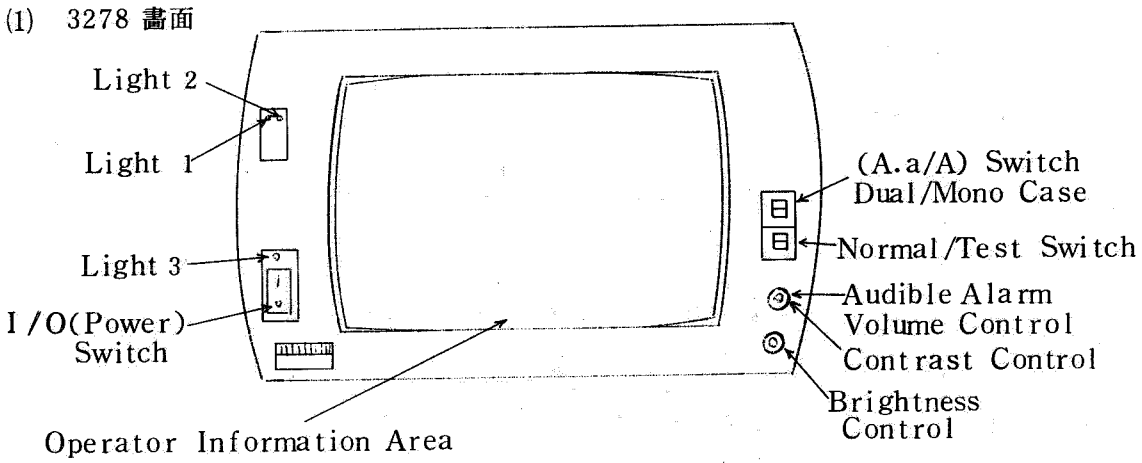
참고사항	P . G				
	작성일자	월 일	월 일	월 일	월 일
	O . P				
	작업일자	월 일	월 일	월 일	월 일

6．物價作業順序方法(CRT操作)

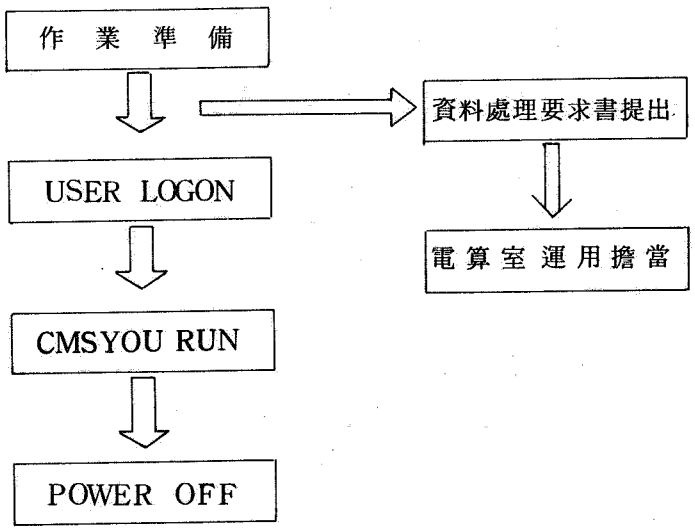
1. CRT 操作 方法

가. 3278 CRT LIGHTS 및 SWITCHES

(1) 3278 畵面



(2)



나. 作業準備

(1) 전원 PLUG 連結

(2) NORMAL/TEST SWITCH를 NORMAL 에 位置

(3) POWER SWITCH ON

- ▌部分을 누른다.
- LIGHT 3에 불이 들어온다.
- LIGHT 1에 불이 들어온다.
- 잠시후 LIGHT 2에 불이 들어온다.

(4) VM/370 ONLINE 畵面이 나타난다.

```
**********************************
*                                *
*              B     O     S     *
*                                *
*      THIS IS BOS COMPUTER CENTER *
*                                *
*      90 GYEONGUN-DONG          *
*                                *
*         JONGRO-GU SEOUL KOREA  *
*                                *
*       TELEPHONE NUMBER         *
*                                *
*         720-3180               *
*                                *
*         725-5371-5(310,312,413 )*
*                                *
*                                *
*           INSTALLED 1982.10.17 *
*                                *
**********************************
```

(5) ENTER KEY 를 누른다.

(6) VM/370 ONLINE 畵面이 사라지고 畵面 右側下段에 CP READ가 나타난다.

다. USER LOGON

SYSTEM에 登錄된 USER를 다음과 같이 LOGON 한다.

가령 USER-ID가 CMSYOU이고 PASSWARD가 CMSYOU이면,

(1) L CMSYOU CMSYOU을 key in 하고 ENTER KEY 를 누르면 CRT 右側下段에 VM READ가 나타나고 다음과 같이 영상한다.

L CMSYOU CMSYOU

LOGON AT 09:42:31 KST THURSDAY 01/13/83

VM/SP CMS (PUT 8108 +) - 02/05/82

(2) ENTER KEY 를 누르면 다음과 같이 畵面에 나타난다.

L CMSYOU CMSYOU

LOGON AT 09:42:31 KST THURSDAY 01/13/83

VM/SP CMS (PUT 8108 +) - 02/05/82

(3) B나 ENTER 를 key in하면 다음과 같은 畵面이 나타난다.

Y (19E) R/O

CMSZER SYSTEM NAME 'CMSZER' YSTAT NOT AVAILABLE

R:T = 0.01/0.02 09:42:52

R:T = 0.17/0.35 09:42:55

(4) LOGON 이 完全히 끝난 狀態임.

라. **DATA 修正 및 RUN**

(1) FLIST 를 key in 한후 ENTER KEY 를 누른다.

(2) FILE 目錄이 나온다.

(3) 修正하고자 하는 FILE에 CURSOR를 위치시킨다.

(4) X를 key in 하고 ENTER KEY 를 누른다.

(5) DATA 內容이 나타나면 修正 作業한다.

(가) CURSOR 를 修正하고자 하는 글자에 위치시키고 옳은 글자를 key in 한다.

(나) 다 修正하고 나면 ENTER 를 누른다.

(다) FILE 을 key in 하고 ENTER 를 누른다.

(라) 畵面이 目錄畵面으로 變한다.

(마) SEND OSVSI을 key in 한후 ENTER를 누른다.

(바) CLEAR KEY를 누른다.

(사) PF 3을 누른다.

(아) LOG를 key in 하고 ENTER를 누른다.

(자) 다시 ENTER KEY를 누른다.

(차) VM/370 ONLINE 畵面으로 돌아간다.

마. USER LOGOFF

LOG를 key in하고 ENTER KEY를 누른다.

(1) 다음과 같이 나타난다.

CONNECT=00:03:11 VIRTCPU=000:01.62 TOTCPU = 000:05.18

LOGOFF AT 09:45:43 KST THURSDAY 01/13/83

(2) ENTER KEY를 누른다.

(3) VM/370 ONLINE 畵面으로 돌아간다.

바. 作業完了

(1) POWER SWITCH OFF

왼쪽 빨간 SWITCH의 ○部分을 누른다.

(2) LIGHT1, LIGHT2, LIGHT3가 모두 꺼진다.

(3) 電源 PLUG 分離

7. CATALOG PROGRAM

CATALOG PROGRAM

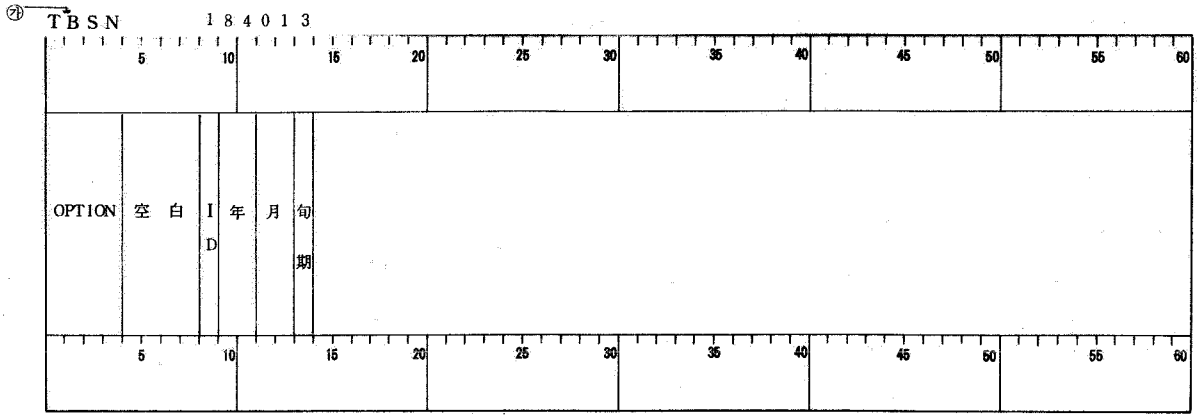
```
FILE: SPRWUM91 RUN      A1  VM/SP CMS (PUT8108+) - 10/16/82

//SPRWUM91 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                          SRX00010
//     EXEC PGM=SRXWUM54                                               SRX00020
//STEPLIB DD DSN=USER.LOADLIB,DISP=SHR
//SYSPRINT DD SYSOUT=O                                                 SRX19820
//ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                           SRX19830
//   UNIT=SYSDA,VOL=SER=BOSWK1                                         SRX19840
//    DD DSN=SRXK54(PRIME),DISP=(OLD,KEEP),UNIT=SYSDA,VOL=SER=BOSWK1   SRX06870
//CARD DD *                                                            SRX19870
TBSN     184013
1840131010101        639000     639000
1840131010701        983300     983300
1840131020301        176300     176300
1840131030301        45000      45000
1840131030401        41000      41000
1840131030501        200000     200000
1840131031001        100000     100000
1840131040201        1600000    1600000
1840131050101        59100      59100
1840131060301        223300     223300
1840131060401        251700     251700
1840131060601        32000      32000
1840131070101        43000      43000
1840131080101        190000     190000
1840131080801        113100     113100
1840131081601        84800      84800
1840131090801        102400     102400
1840131100301        260000     260000
1840131100401        338000     338000
1840131140501        55000      55000
1840131140601        55000      55000
1840131140701        73300      73300
1840134011901        496700     496700
1840134012001        274300     274300
1840134012101        80200      80200
1840134012201        110000     110000
1840134020101        48300      48300
1840134020201        73300      73300
1840134020801        36700      36700
1840134021101        1366700    1366700
1840134021201        448300     448300
1840134040701        20000      20000
1840135011701        1850000    1850000
1840135020101        25500      25500
1840131010102        616700     616700
1840131010802        2083300    2083300
1840131011002        725000     725000
1840131020202        140000     140000
1840131030102        143300     143300
1840131030602        95000      95000
1840131030902        800000     800000
1840131031002        64000      64000
1840131050102        55000      55000
1840131060102        44700
1840131060202        46000
1840131060302        160000     160000
```

1840131060402	200000	200000
1840131060502	16700	
1840131060602	23700	23700
1840131060902	36300	36300
1840131061402	156700	
1840131080302	966700	
1840131081802	43000	43000
1840131100402	293300	293300
1840131100802	75000	75000
1840135011702	1776700	1776700
1840131010103	600000	600000
1840131010403	1033300	1033300
1840131010703	1033300	1033300
1840131010803	2033300	2033300
1840131020303	170000	170000
1840131030103	150000	150000
1840131030403	35000	35000
1840131030503	166700	166700
1840131030603	85000	85000
1840131030703	65000	65000
1840131050103	59000	59000
1840131060403	210000	210000
1840131060603	32700	32700
1840131111203	206700	206700
1840131130203	26800	26800
1840134011903	545000	545000
1840134012003	295000	295000
1840134012103	90000	90000
1840134012203	110000	110000
1840134041403	60000	60000
1840135072603	20000	20000
1840131010104	611300	611300
1840131010404	925000	925000
1840131010704	1015000	1015000
1840131010804	1874000	1874000
1840131010904	789000	789000
1840131020304	170000	170000
1840131030104	125000	125000
1840131030304	40000	40000
1840131030404	40000	40000
1840131030704	60000	60000
1840131030804	90000	
1840131031004	100000	100000
1840131040204	1550000	1550000
1840131050104	60000	60000
1840131060204	65000	
1840131060304	190000	190000
1840131060404	210000	210000
1840131060604	32500	32500
1840131060804	40000	
1840131060904	35000	35000
1840131070104	41700	41700
1840131070204	30000	30000
1840131080104	208000	208000
1840131080204	40000	40000

1840131080304	800000	
1840131080804	118300	118300
1840131090504	20000	20000
1840131090804	116700	116700
1840131101004	70000	70000
1840134040704	20000	20000
1840134041404	60000	60000
1840131010105	620000	620000
1840131010705	10000000	10000000
1840131010805	2000000	2000000
1840131020305	165000	165000
1840131050105	60000	60000
1840131060305	190000	190000
1840131060405	250000	250000
1840131061505	135000	135000
1840131080805	120000	120000
1840131100305	225000	225000
1840132050105	252500	252500
1840135011705	18000000	18000000
1840131010106	615000	615000
1840131010606	680000	680000
1840131010706	1040000	1040000
1840131010806	1700000	1700000
1840131010906	850000	850000
1840131011006	850000	850000
1840131020306	155000	155000
1840131030106	130000	130000
1840131030306	38000	38000
1840131030706	80000	80000
1840131040306	2000000	2000000
1840131040406	35000	35000
1840131060306	162500	162500
1840131060406	245000	245000
1840131060606	20000	20000
1840131061606	45000	45000
1840131080406	30000	30000
1840131080506	50000	50000
1840131100206	85000	85000
1840131100306	310000	310000
1840131101006	55000	55000
1840132031206	1299700	1299700
1840132031406	84000	84000
1840134012106	80000	80000
1840134012206	108300	108300
1840135011706	1770000	1770000
1840135021506	90000	90000
1840135072606	18000	18000
1840131010107	585000	585000
1840131010407	790000	790000
1840131010607	704200	704200
1840131010707	1041300	1041300
1840131010807	1874300	1874300
1840131020307	175000	175000
1840131030107	175000	175000
1840131030207	60000	60000

```
FILE: SPRWUM91 RUN      A1  VM/SP CMS (PUT8108+) - 10/16/82

1840131030507        175000     175000
1840131030607        65000      65000
1840131040307        1900000    1900000
1840131050107        57700      57700
1840131060307        175000     175000
1840131060407        250000     250000
1840131060607        30000      30000
1840131080107        190000     190000
1840131080207        33000      33000
1840131080807        120000     120000
1840131081507        129300     129300
1840131130807        930000     930000
1840134041907        5000000    5000000
1840135011707        1850000    1850000
1840131010108        615000     615000
1840131010808        1700000    1700000
1840131010908        725000     725000
1840131020308        165000     165000
1840131030208        65000      65000
1840131030608        80000      80000
1840131030708        70000      70000
1840131030908        1000000    1000000
1840131060108        60000
1840131060208        70000
1840131060308        175000     175000
1840131060408        250000     250000
1840131070108        39500      39500
1840131080808        117300     117300
1840131081808        40000      40000
1840132050108        284000     284000
1840134011908        552000     552000
1840134012008        453300     453300
1840134020108        45000      45000
1840135051508        10000      10000
1840135072608        25000      25000
1840131010109        620000     620000
1840131010709        1000000    1000000
1840131010809        2000000    2000000
1840131030409        50000      50000
1840131050109        59300      59300
1840131060309        220000     220000
1840131060409        250000     250000
1840131060609        40000      40000
1840131061509        150000     150000
1840131070109        33300      33300
1840131090409        40000      40000
1840134012209        116000     116000
/*
//
```

Option Card Design

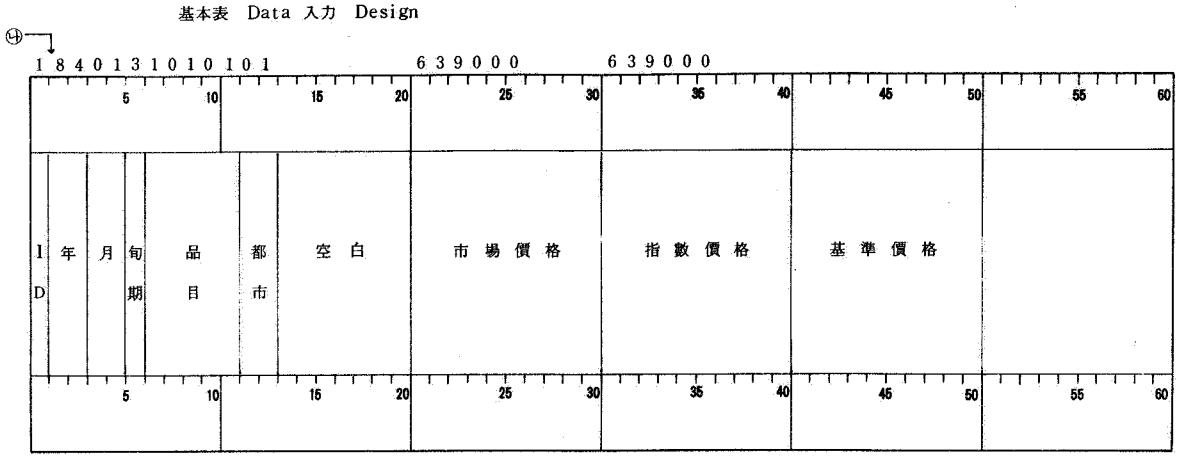


＊ OPTION : TBSN

＊ ID : 1

＊ 旬 期 : 1 → 初 旬
2 → 中 旬
3 → 下 旬

基本表 Data 入力 Design



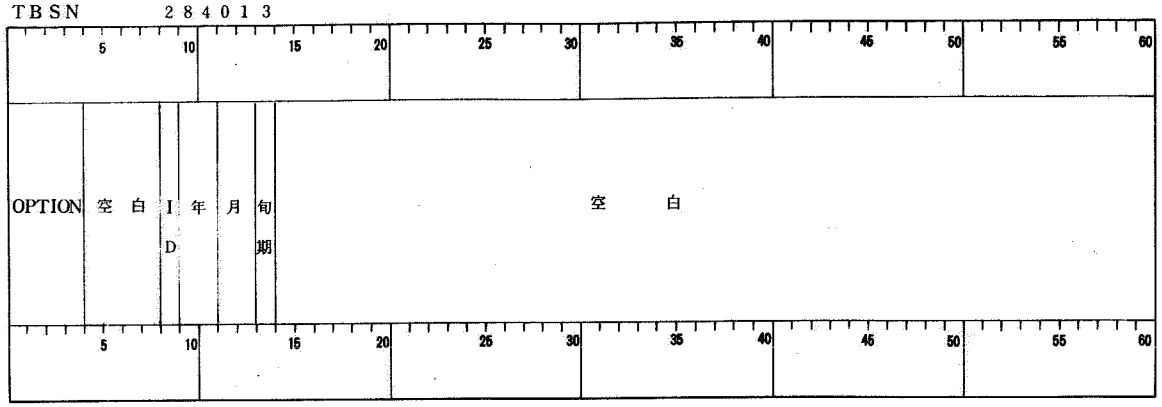
＊ ID : 1

＊ 旬 期 : 1 → 初 旬
2 → 中 旬
3 → 下 旬

```
FILE: SPRWUT91 RUN      A1   VM/SP CMS (PUT8108+) - 10/16/82

//SPRWUT91 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                       SRX00010
//     EXEC PGM=SRXWUT54                                            SRX00020
//STEPLIB DD DSN=USER.LOADLIB,DISP=SHR
//SYSPRINT DD SYSOUT=O                                              SRX19820
//ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                        SRX19830
//  UNIT=SYSDA,VOL=SER=BOSWK1                                       SRX19840
//TAPE DD DSN=BOS11,UNIT=TAPE,                                      SRX19850
//     DCB=(RECFM=F,BLKSIZE=2401),DISP=(NEW,KEEP)                   SRX19860
//CARD DD *                                                         SRX19870
TBSN    284013 ──────────────────── ㉰                              SRX19880
2840131010701       60000     4600      9100 ┐                      SRX04850
2840131010704       70000     5600      9500 ├──── ㉱               SRX04850
2840131010801       65000     4700      9300 │                      SRX04850
2840131010902       78000     5700      9600 ┘                      SRX04850
/*
//
```

Option Card Design

㉰ TBSN 284013



＊ OPTION : TBSN

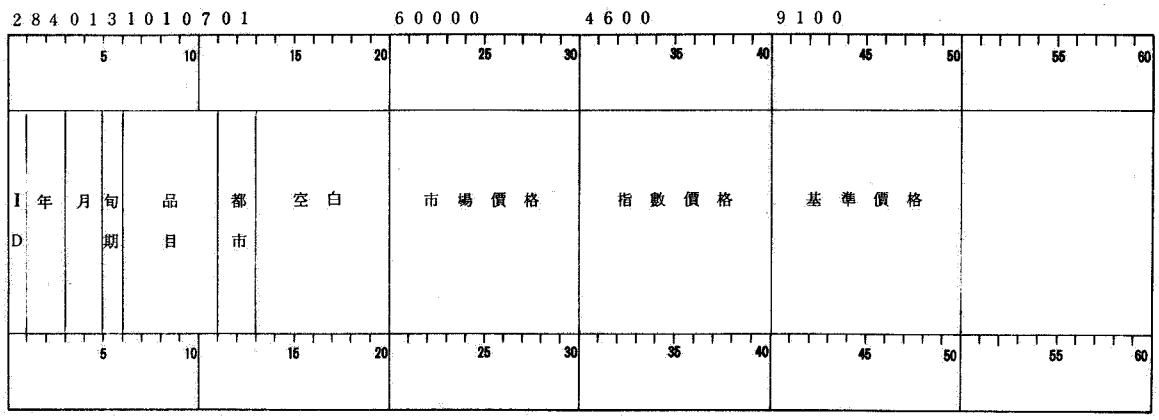
＊ ID : 2

＊ 旬 期 : 1 → 初 旬
2 → 中 旬
3 → 下 旬

修正 Data 入力 Design

㉱

284013101070160000460091100



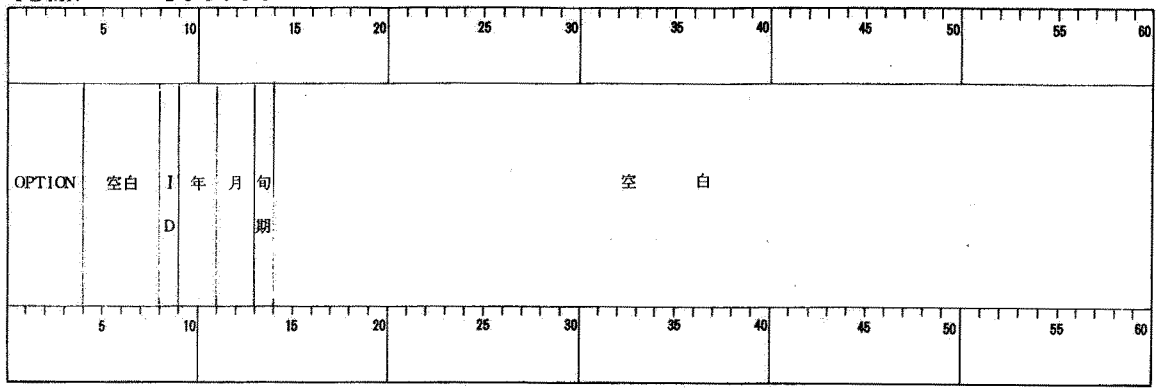
＊ ID : 2

＊ 旬 期 : 1 → 初 旬
2 → 中 旬
3 → 下 旬

```
FILE: SPRWUU91 RUN      A1  VM/SP CMS (PUT8108+) - 10/16/82

//SPRWUU91 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                          SRX00010
//     EXEC PGM=SRXWUU54                                               SRX00020
//STEPLIB DD DSN=USER.LOADLIB,DISP=SHR
//SYSPRINT DD SYSOUT=O                                                 SRX19820
//ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                           SRX19830
//   UNIT=SYSDA,VOL=SER=BOSWK1                                         SRX19840
//TAPE DD DSN=BOS11,UNIT=TAPE,                                         SRX19850
//     DCB=(RECFM=F,BLKSIZE=2401),DISP=(NEW,KEEP)                      SRX19860
//CARD DD *                                                            SRX19870
TBMN    284014 ————————————————————————⊕                              SRX19880
/*
//
```

Option Card Design

㊐→TBMN　　284014



＊ OPTION : TBMN　　＊ 旬 期 : 4 → 平 均

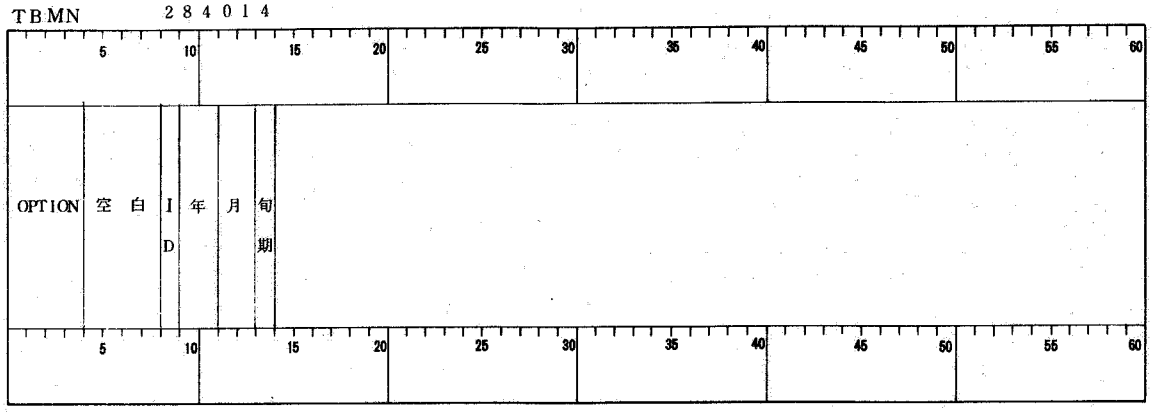
＊ ID　　: 2

```
//SPRWLA91 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                               SRX00010
//      EXEC PGM=SRXWLA54                                                   SRX00020
//STEPLIB DD DSN=USER.LOADLIB,DISP=SHR
//SYSPRINT DD SYSOUT=O,COPIES=4                                             SRX19820
//ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                                SRX19830
//  UNIT=SYSDA,VOL=SER=BOSWK1                                               SRX19840
//*    =======  KEY IN SPECIAL DATA DEPENDING ON IT'S FORMAT. ======         SRX04020
//GO.CARD DD *                                                              SRX04030
TBMN    284014                                                              SRX04040
/*                                                                          SRX04050
//GO.SYSIN DD *
   6 500   6 028   6 000   6 400   6 000
   6 000   5 967   6 000   6 200
   6 567   6 167   6 167   6 492   6 169
   6 167   6 033   6 100   6 300
   6 500   6 000   6 000   6 400   6 000
   6 000   5 950   6 000   6 200
   6 500   6 083   6 000   6 450   6 000
   6 000   5 950   6 000   6 200
   6 700   6 417   6 500   6 625   6 500
   6 500   6 200   6 300   6 500
           /**********  10  **********/                                     SRX02700
   6 000   5 583   5 500   5 600   5 550
   5 533   5 500   5 567   5 717
   6 027   5 722   5 500   5 600   5 700
   5 667   5 500   5 800   5 800
   6 000   5 583   5 500   5 600   5 600
   5 600   5 500   5 700   5 750
   6 000   5 667   5 500   5 600   5 600
   5 600   5 500   5 700   5 750
   6 080   5 917   5 500   5 600   5 900
   5 800   5 500   6 000   5 900
           /**********  20  **********/                                     SRX02810
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598   5 598
   5 598   5 598   5 598   5 598
           /**********  30  **********/                                     SRX02920
   5 070   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070   5 070
   5 070   5 070   5 070   5 070
           /**********  40  **********/                                     SRX03030
```

```
   5 250    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    5 000
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
   5 240    5 200    5 400    5 400    5 000
   4 800    4 800    5 000    4 800
            /***********  50  ***********/                    SRX03140
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500    3 500
   3 500    3 500    3 500    3 500
            /***********  60  ***********/                    SRX03140
/*                                                           SRX04060
//
```

Option Card Design

㈑→ TBMN　　284014



＊ OPTION : TBSN

＊ ID　　: 1

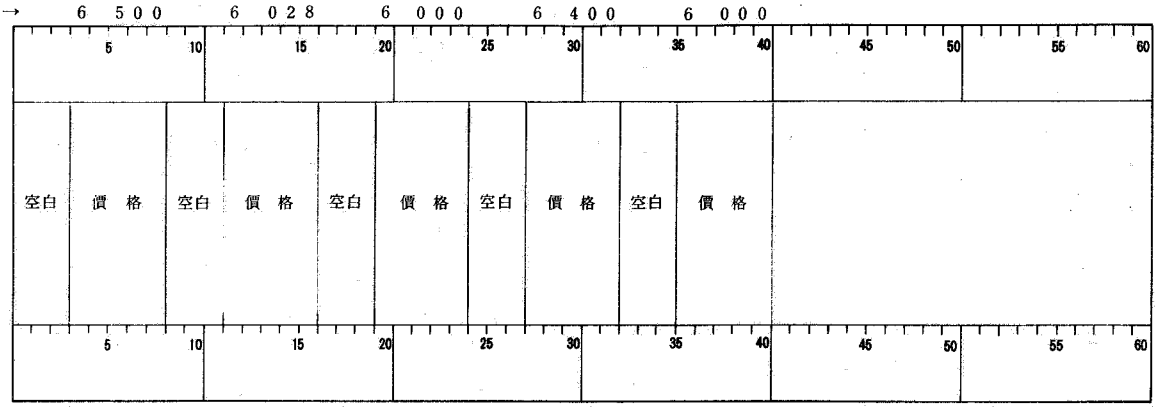
＊ 旬 期 : 1 → 初 旬

2 → 中 旬

3 → 下 旬

都市別 價格 入力 Design

㈒→ 6 500　6 028　6 000　6 400　6 000



都市別 價格 (SPRWLA 91)

平均때 KEY IN

```
FILE: SPRWTB91 RUN       A1  VM/SP CMS (PUT8108+) - 10/16/82

//SPRWTB91 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                          SRX00010
//     EXEC PGM=SRXWTB54                                               SRX00020
//STEPLIB DD DSN=USER.LOADLIB,DISP=SHR
//SYSPRINT DD SYSOUT=O                                                 SRX19820
//GO.ISAM DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),                        SRX04750
//     UNIT=DISK,VOL=SER=BOSWK1                                        SRX04760
//GO.DISK DD DSN=SRXAAD54(INDEX),DISP=(OLD,KEEP),UNIT=DISK,            SRX04770
//      VOL=SER=BOSWK1                                                 SRX04780
//    DD DSN=SRXAAD54(PRIME),DISP=(OLD,KEEP),UNIT=DISK,                SRX04790
//       VOL=SER=BOSWK1                                                SRX04800
//GO.TAPE DD DSN=BOS11,UNIT=TAPE,DISP=(NEW,KEEP),                      SRX04810
//  DCB=(RECFM=FB,BLKSIZE=4170,LRECL=417)                              SRX04820
//GO.SYSIN DD  *
  6 400  6 500  6 500  6 500  6 500                                    840
      -  6 600      -      -      -                                    850
  6 467  6 600  6 567  6 600  6 500                                    860
      -  6 667      -      -      -                                    870
  6 400  6 500  6 500  6 500  6 500                                    880
      -  6 600      -      -      -                                    890
  6 400  6 500  6 500  6 500  6 500                                    900
      -  6 600      -      -      -                                    910
  6 600  6 800  6 700  6 800  6 500                                    920
      -  6 800      -      -      -                                    930
          /***********  10  ***********/                              SRX02940
  6 000  6 000  6 000  6 000  6 000                                    950
      -      -      -      -      -                                    960
  6 000  6 133  6 000  6 000  6 000                                    970
      -      -      -      -      -                                    980
  6 000  6 000  6 000  6 000  6 000                                    990
      -      -      -      -      -                                    000
  6 000  6 000  6 000  6 000  6 000                                    010
      -      -      -      -      -                                    020
  6 000  6 400  6 000  6 000  6 000                                    030
      -      -      -      -      -                                    040
          /***********  20  ***********/                              SRX03050
  5 598  5 598  5 598  5 598  5 598                                    060
      -  5 598      -      -      -                                    070
  5 598  5 598  5 598  5 598  5 598                                    080
      -  5 598      -      -      -                                    090
  5 598  5 598  5 598  5 598  5 598                                    100
      -  5 598      -      -      -                                    110
  5 598  5 598  5 598  5 598  5 598                                    120
      -  5 598      -      -      -                                    130
  5 598  5 598  5 598  5 598  5 598                                    140
      -  5 598      -      -      -                                    150
          /***********  30  ***********/                              SRX03160
  5 070  5 070  5 070  5 070  5 070                                    170
L CMSN
                                                          CP READ
      -  5 070      -      -      -                                    180
  5 070  5 070  5 070  5 070  5 070                                    190
      -  5 070      -      -      -                                    200
  5 070  5 070  5 070  5 070  5 070                                    210
      -  5 070      -      -      -                                    220
  5 070  5 070  5 070  5 070  5 070                                    230
      -  5 070      -      -      -                                    240
  5 070  5 070  5 070  5 070  5 070                                    250
```

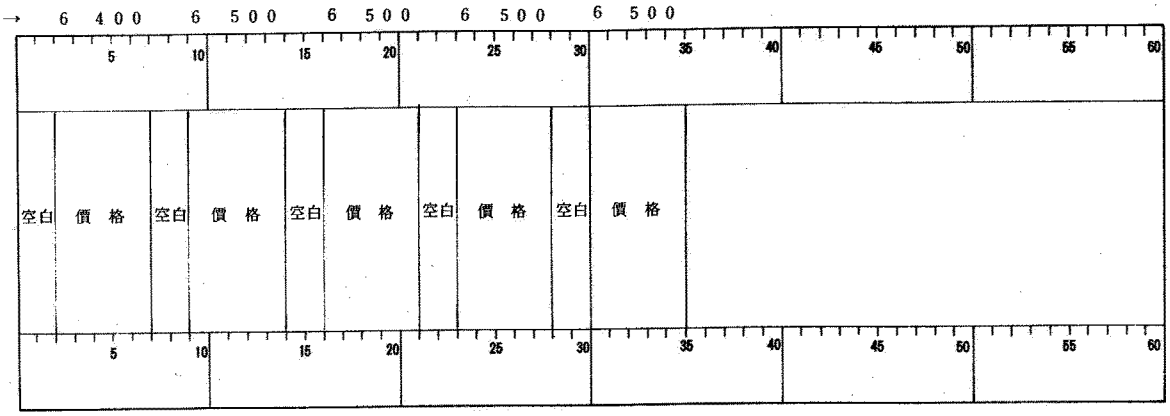
```
     -   5 070      -       -       -                               260
             /**********  40  **********/                           SRX03270
 5 300   5 200   5 200   5 200   5 300                              280
 5 400   5 200   5 300   5 200   5 200                              290
 5 200   5 200   5 200   5 200   5 300                              300
 5 400   5 200   5 300   5 200   5 200                              310
 5 200   5 200   5 200   5 200   5 300                              320
 5 400   5 200   5 300   5 200   5 200                              330
 5 200   5 200   5 200   5 200   5 300                              340
 5 400   5 200   5 300   5 200   5 200                              350
 5 200   5 200   5 200   5 200   5 300                              360
 5 400   5 200   5 300   5 200   5 200                              370
             /**********  50  **********/                           SRX03380
 3 500   3 500   3 500   3 500   3 500                              390
 3 500   3 500   3 500   3 500   3 500                              400
 3 500   3 500   3 500   3 500   3 500                              410
 3 500   3 500   3 500   3 500   3 500                              420
 3 500   3 500   3 500   3 500   3 500                              430
 3 500   3 500   3 500   3 500   3 500                              440
 3 500   3 500   3 500   3 500   3 500                              450
 3 500   3 500   3 500   3 500   3 500                              460
 3 500   3 500   3 500   3 500   3 500                              470
 3 500   3 500   3 500   3 500   3 500
             /**********  60  **********/                           SRX03380
/*
//GO.CARD DD *                                                      SRX04830
184013 ------------------------------------ ㉵                       SRX04840
184013101070 1        1000000                                       SRX04850
184013101070 4        1000000                                       SRX04850
1840131020301         180000                                        SRX04850
1840131020302         170000                                        SRX04850
1840131020303         180000                                        SRX04850
1840131020304         170000                                        SRX04850
1840131020305         170000                                        SRX04850
1840131020307         167000                                        SRX04850
1840131020309         193000                                        SRX04850
1840131020310         167000                                        SRX04850
1840131030301         50000                                         SRX04850
1840131030303         45000                                         SRX04850
1840131030402         40000                                         SRX04850
1840131030403         40000                                         SRX04850
1840131030502         200000              ㉶                        SRX04850
1840131030503         200000                                        SRX04850
1840131031001         100000                                        SRX04850
1840131040201         1600000                                       SRX04850
1840131040202         1600000                                       SRX04850
1840131040205         1600000                                       SRX04850
1840131050101         57000                                         SRX04850
1840131050102         60000                                         SRX04850
1840131050103         58000                                         SRX04850
1840131050105         57000                                         SRX04850
1840131050107         61000                                         SRX04850
1840131050108         62000                                         SRX04850
1840131050109         61000                                         SRX04850
1840131050110         61000                                         SRX04850
```

1840131060301	200000	SRX04850
1840131060302	250000	SRX04850
1840131060303	220000	SRX04850
1840131060401	260000	SRX04850
1840131060402	250000	SRX04850
1840131060403	260000	SRX04850
1840131060404	240000	SRX04850
1840131060405	250000	SRX04850
1840131060601	30000	SRX04850
1840131060602	35000	SRX04850
1840131060603	35000	SRX04850
1840131060604	30000	SRX04850
1840131060605	30000	SRX04850
1840131070102	45000	SRX04850
1840131070106	50000	SRX04850
1840131070107	48000	SRX04850
1840131070109	40000	SRX04850
1840131070110	48000	SRX04850
1840131080102	200000	SRX04850
1840131080103	190000	SRX04850
1840131080801	120000	SRX04850
1840131080802	120000	SRX04850
1840131080808	111000	SRX04850
1840131081607	88000	SRX04850
1840131090806	130000	SRX04850
1840131100305	300000	SRX04850
1840131100401	350000	SRX04850
1840131100403	350000	SRX04850
1840131100404	330000	SRX04850
1840131100405	330000	SRX04850
1840131140501	60000	SRX04850
1840131140601	60000	SRX04850
1840131140701	80000	SRX04850
1840132030801	1350000	SRX04850
1840132030802	1250000	SRX04850
1840132030803	1350000	SRX04850
1840132030808	1267000	SRX04850
1840132040501	1200000	SRX04850
1840132040502	1200000	SRX04850
1840132040503	1200000	SRX04850
1840132060301	1700000	SRX04850
1840132060302	2400000	SRX04850
1840134011901	500000	SRX04850
1840134011902	550000	SRX04850
1840134011904	500000	SRX04850
1840134012002	300000	SRX04850
1840134012101	90000	SRX04850
1840134012102	90000	SRX04850
1840134012104	90000	SRX04850
1840134012202	120000	SRX04850
1840134020102	50000	SRX04850
1840134020103	50000	SRX04850
1840134020202	80000	SRX04850
1840134020802	40000	SRX04850
1840134021102	1450000	SRX04850

```
FILE: SPRWTB91 RUN      A1  VM/SP CMS (PUT8108+) - 10/16/82

1840134021201       395000                                          SRX04850
1840134021202       500000                                          SRX04850
1840134021203       450000                                          SRX04850
1840134040702       20000                                           SRX04850
1840135011701       1800000                                         SRX04850
1840135011702       1900000                                         SRX04850
1840135011703       1900000                                         SRX04850
1840135011704       1850000                                         SRX04850
1840135020106       28000                                           SRX04850
/*
//
```

市場別　價格　入力　Design

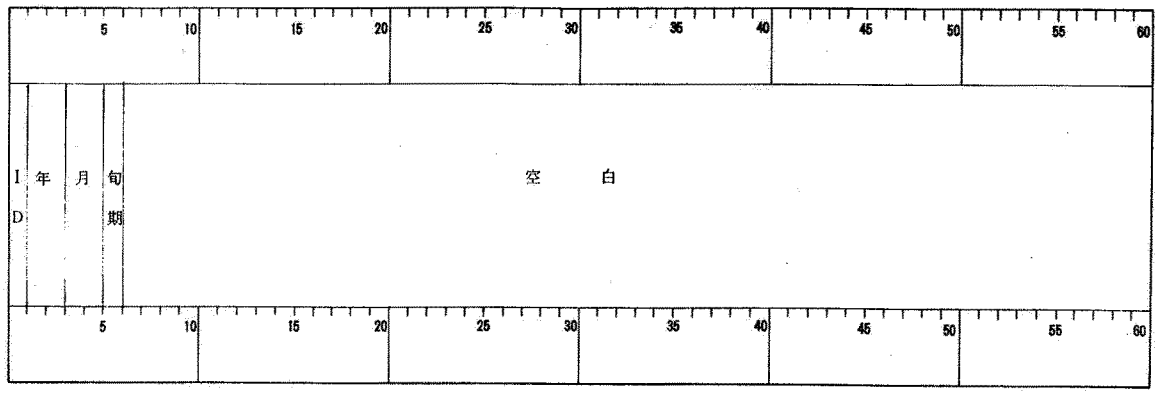
㊾→　6 4 0 0　6 5 0 0　6 5 0 0　6 5 0 0　6 5 0 0



市場別　價格（SPRWTB91）　　平均때　KEY IN

Option Card Design

㊿→ 1 8 4 0 1 3



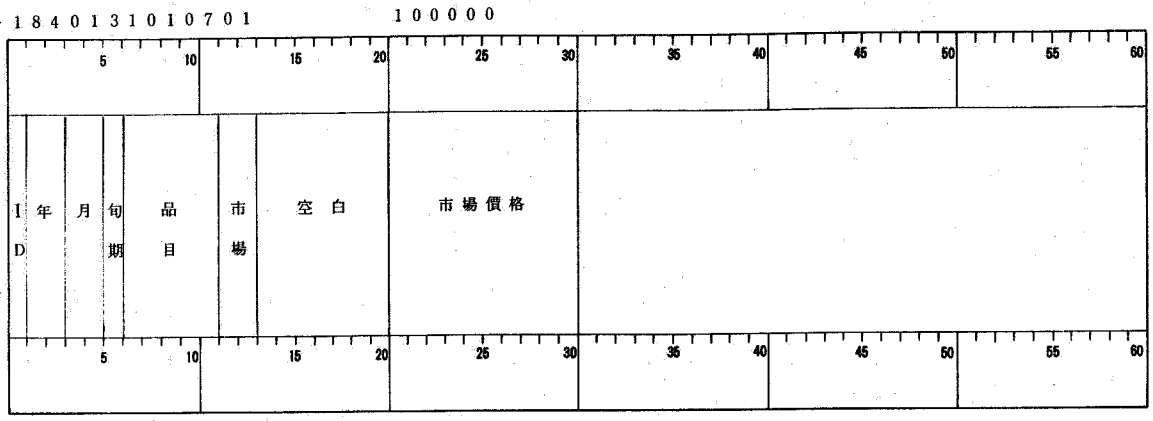
＊　ID　：　1 → 變動價格　DATA（前旬期　基準）　　＊　旬期　：　1 → 初　旬

2 → 修正價格　DATA　　2 → 中　旬

3 → 下　旬

市場價格　入力　Design

㊊→ 1 8 4 0 1 3 1 0 1 0 7 0 1　　1 0 0 0 0 0



＊ ID ： 1 → 變動價格　DATA

2 → 修正價格　DATA

＊ 旬期 ： 1 → 初　旬

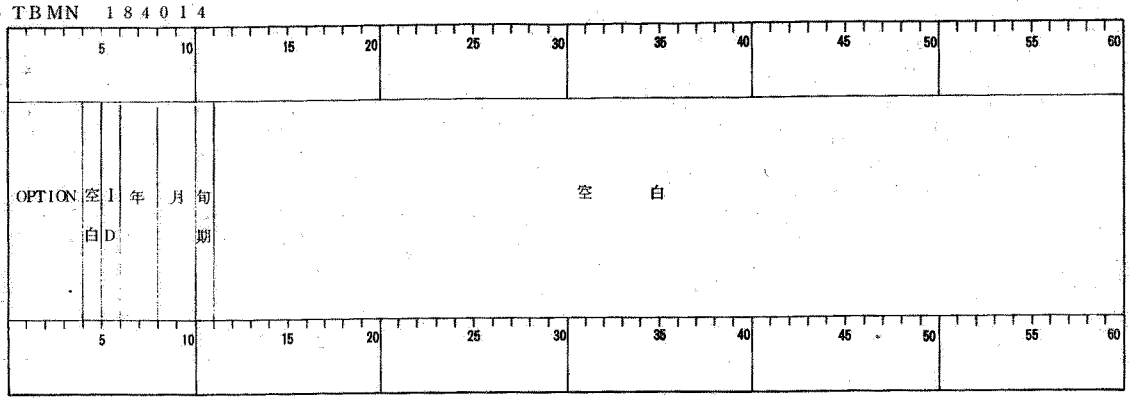
2 → 中　旬

3 → 下　旬

```
FILE: SPRWTR91 RUN      A1  VM/SP CMS (PUT8108+) - 10/16/82

//SPRWTR91 JOB CLASS=V,MSGCLASS=O,TYPRUN=HOLD                          SRX00010
//    EXEC PGM=SRXWTR54                                               SRX00020
//STEPLIB DD DSN=USER.LOADLIB,DISP=SHR
//SYSPRINT DD SYSOUT=O                                                SRX03490
//DISK DD DSN=SRXK54(INDEX),DISP=(OLD,KEEP),UNIT=DISK,                SRX03500
//     VOL=SER=BOSWK1                                                 SRX03510
// DD DSN=SRXK54(PRIME),DISP=(OLD,KEEP),UNIT=DISK,VOL=SER=BOSWK1       SRX03520
//SYSOUT DD SYSOUT=O                                                  SRX03530
//SORTLIB DD DSN=ICE.SORTLIB,DISP=SHR                                 SRX03540
//SORTWK01 DD UNIT=3350,SPACE=(CYL,20,,CONTIG),VOL=SER=SORTWK         SRX03550
//SORTWK02 DD UNIT=3350,SPACE=(CYL,20,,CONTIG),VOL=SER=SORTWK         SRX03560
//SORTWK03 DD UNIT=3350,SPACE=(CYL,20,,CONTIG),VOL=SER=SORTWK         SRX03570
//CARD DD *                                                           SRX03580
TBMN 184014 ————————————————————㊙                                    SRX03590
/*                                                                    SRX03600
//                                                                    SRX03610
```

Option Card Design

㉔→ TBMN 1 8 4 0 1 4



＊ OPTION : TBMN→ 平均

TBSN→ 初旬 ～ 下旬

＊ ID : 1

＊ 旬期 : 1 → 初 旬

2 → 中 旬

3 → 下 旬

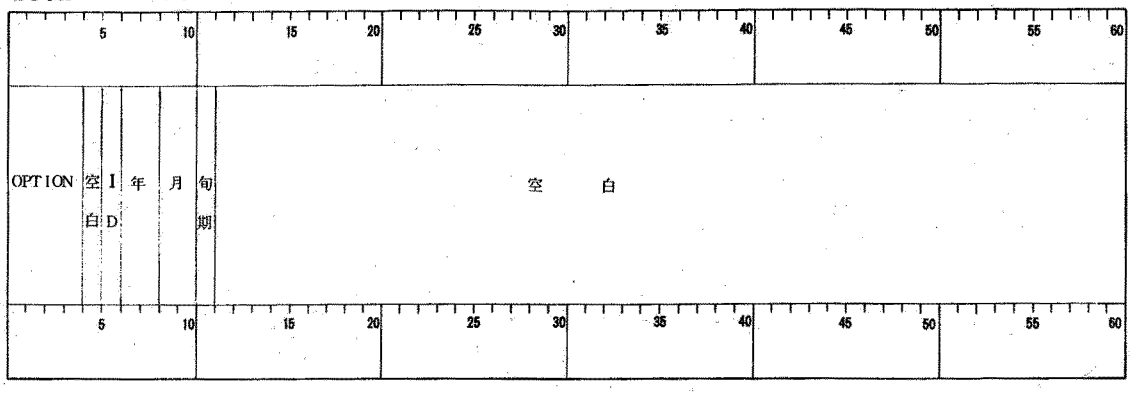
4 → 平 均

FILE: SPRWTM91 RUN   A1 VM/SP CMS (PUT8108+) - 10/16/82

```
//SPRWTM91 JOB CLASS=V,TYPRUN=HOLD,MSGCLASS=O                              SRX00010
//JOBLIB DD DSN=USER.LOADLIB,DISP=SHR                                      SRX00020
//STEP1  EXEC PGM=IEHPROGM     /* 9BUNRU-'84' */                           SRX00030
//SYSPRINT DD SYSOUT=O                                                     SRX00040
//DD3        DD UNIT=DISK,VOL=SER=BOSWK1,DISP=OLD                          SRX00050
//SYSIN DD *                                                               SRX00060
 SCRATCH  DSNAME=RXSAM11,VOL=DISK=BOSWK1                                   SRX00070
/*                                                                         SRX00080
//STEP2  EXEC PGM=SRXWTM54                                                 SRX00090
//SYSPRINT DD SYSOUT=O                                                     SRX00100
//DISK DD DSN=SRXK54(INDEX),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1       SRX00120
//         DD DSN=SRXK54(PRIME),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1   SRX00130
//ISAM DD DSN=RX1111(INDEX),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1       SRX00140
//         DD DSN=RX1111(PRIME),UNIT=DISK,DISP=(OLD,KEEP),VOL=SER=BOSWK1   SRX00150
//SAM DD DSN=RXSAM11,UNIT=SYSDA,DISP=(NEW,KEEP),VOL=SER=BOSWK1,            SRX00160
//     DCB=(RECFM=FB,BLKSIZE=3100,LRECL=310),SPACE=(CYL,20)                SRX00170
//DAM    DD  DSN=RXSAM11,UNIT=SYSDA,DISP=(OLD,KEEP),VOL=SER=BOSWK1,        SRX00180
//     DCB=(RECFM=FB,BLKSIZE=3100,LRECL=310),SPACE=(CYL,20)                SRX00190
//SYSOUT DD SYSOUT=O                                                       SRX00200
//SORTLIB DD DSN=ICE.SORTLIB,DISP=SHR                                      SRX00210
//SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,20,,CONTIG)                            SRX00220
//SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,20,,CONTIG)                            SRX00230
//SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,20,,CONTIG)                            SRX00240
//CARD DD *                                                                SRX00250
TBMN 184014                                                                SRX00260
/*                                                                         SRX00270
//                                                                         SRX00280
```

Option Card Design

㉙→ TBMN　1 8 4 0 1 4



＊ OPTION : TBSN : 初旬～下旬　　＊ ID : 1　　＊ 旬期 : 1 → 初旬
TBMN : 平均　　2 → 中旬
3 → 下旬
4 → 平均

8. 物 價 結 果 表

全都市價格 및 指數表 (1980 = 100)

81. . . 現在

品目番號	品名	서울	釜山	大邱	仁川	大田	光州	春川	淸州	全都市
10101	一般米	280.49 7,015.00	254.97 6,921.00	282.18 6,888.00	(指數) (價格)					273.77 6,930.70
	〃									
	單一米	220.47 4,890.00	217.04 4,890.00							213.15 4,890.00
	〃									
101	穀物	225.6 51,789.35	248.1 49,615.13							252.2 51,872.13
10210	쇠고기									
	〃									
102	肉類									
11401	설렁탕									
114	외식									
888	穀物以外									
911	食料品費									
20101	〃									
922	住居費									
30101	〃									
955	雜費									
988	食料品以外									
999	總指數									

* (1) 個別品目 - 都市別로 指數와 價格
指數 - 소수점 둘째자리까지 算出 (셋째자리에서 반올림)
價格 - 100원이상은 소수점 첫째에서 100원미만은 소수점 셋째에서 반올림
(2) 類別·費目·總指數 - 都市別로 指數와 누적치 指數는 소수점 아래 첫째까지 (둘째에서 반올림)
(3) 都市의 類別·費目·總指數 - 都市別로 品目別 加重値 適用 算出
(4) 全都市 指數 - 各都市의 指數에 都市間 加重値 適用 算出
(5) 2次 諸表 (6) 舊樣式 1表와 同一

類別分析表 (1980 = 100)

서울 (2-1)

81. . . 現在

品目番號	品名	指數					騰落率				寄與度			
		今旬	前旬	前月同旬	前年末月	前年同旬	前旬	前月同旬	前年末月	前年同旬	前旬	前月同旬	前年末月	前年同旬
101	穀物	255.7	255.6	254.8	231.6	186.0	0.04	0.35	10.41	37.47	0.01	0.07	1.96	6.18
114	〃													
888	穀物以外													
911	食料品費													
201														
922														
933														
944														
955	雜費													
988	食料品以外													
999	總指數													

* (1) 都市別로 個別作成
全都市 (2-0), 서울 (2-1)
釜山 (2-2) … 淸州 (2-9)
(2) 類別과 費目만 作成
(3) 2次 諸表
(4) 舊樣式 2表와 同一

品 目 別 分 析 表 (1980 = 100)

全都市 (3－0)　　81. . .現在

品目番號	品 名	指數 今旬	指數 前旬	指數 前月同旬	指數 前年末旬	指數 前年同旬	騰落率 前旬	騰落率 前月同旬	騰落率 前年末月	騰落率 前年同旬	寄與度 前旬	寄與度 前月同旬	寄與度 前年末月	寄與度 前年同旬
10101	一 般 米	272.83	273.77	274.65	242.26	200.02	-0.34	-0.66	12.62	36.40	-0.04	-0.08	1.54	4.01
101	穀 物	251.2	252.2	251.1	226.2	183.3	-0.20	0.24	11.27	37.32	-0.04	0.04	2.07	6.06
888	穀物以外													
911	食料品費													
922														
933														
944														
955														
988														
999														

• (1) 全都市 (3－0) 와 서울 (3－1) 만 作成
(2) 舊樣式 3表와 同一
(3) 2次 諸表

消費者物價指數 (結果表) (1980 = 100)

全都市 (4－0)　　81 . . .現在

品目番號	品 名	加重値	81. 9.15 指數 今旬(月)	81. 9.15 指數 前旬(月)	81. 9.15 騰落率 比前旬(月)	81. 9.15 騰落率 比前月同旬	81. 9.15 騰落率 比前年末月	81. 9.15 騰落率 比1年前	80. 9.15 指數 今旬(月)	80. 9.15 指數 前旬(月)	80. 9.15 騰落率 比前旬(月)	80. 9.15 騰落率 比前月同旬	80. 9.15 騰落率 比前年末月	80. 9.15 騰落率 比1年前
999	總 指 數	1,000.0	286.2	285.4	0.28	1.10	13.75	24.06	230.7	229.5	0.5	1.0	24.2	29.3
911	食料品費	458.0												
101	穀 物	204.5												
114	외 식	12.1												
988	食料品以外	542.0												
922	住 居 費	110.1												
933	光 熱 費	56.0												
944	被 服 費	92.5												
955	雜 費	283.4												

• (1) 全都市 (4－0), 서울 (4－1) 로 區分作成
(2) 月平均은 比前月同旬 除外
(3) 舊樣式 5表와 同一
(4) 2次 諸表

都市別 主要商品 小賣價格(81 . . .現在)

#5-0 (單位:원)

品目番號	品 名	旬期別	서 울	釜 山	大 邱	仁 川	大 田	光 州	全 州	春 川	淸 州
101		9月 平均									
		10月 平均									
		10月 5日									
		月 15日									
		月 25日									
102		9月 平均									
		10月 平均									
		月 5日									
		月 15日									
		月 25日									

* (1) 一般米外 71 個品目의 價格을 基本作業에서 拔萃
(2) 月平均 作業과 同時 作成
(3) 品目의 增減을 考慮할 수 있도록 留意

寄 與 度 要 約 表

寄與度 0.01이상 全都市 81. . .現在

品目番號	品 名	全都市	서 울	釜 山	大 邱	仁 川	大 田	光 州	全 州	春 川	淸 州
999	總 指 數	0.83	0.412	0.110	0.055	0.145	0.021	0.063	0.011	0.032	
911	食 料 品	0.52	0.205								
10101	一 般 米	0.15	0.105	0.000							
	〃										
	파	-0.04	-0.021	-0.006							
988	食料品以外	0.30	0.114	0.055							
	傳 貰	0.11	0.054								
	〃										
	생 화	-0.01	-0.004	-0.003							

* (1) 旬期에만 作成
(2) 個別品目-都市別로 寄與度 計算後 合算하여 全都市 寄與度 算出
(3) 全都市 寄與度 ±0.01이상 品目만
(4) 上昇, 下落品目은 品目番號順序대로 配列
(5) 1次에서 되면 2次 諸表 省略

都 市 別　平 均 價 格 表

81 .　.　.現在

品目番號	品　　名	都　　市	前　　旬	今　　旬	差　　額	備　　考
10101	一　般　米	全都市				
		서　울				
		≀				
		清　州				
10102	單　一　米	全都市				
		서　울				
		≀				
10103	混　合　米	清　州				
		全都市				
		서　울				
		≀				
		清　州				

* (1) 全品目에 대한 都市間 間隔
(2) 1페이지에 3品目씩 配列
(3) 2次에 諸表
(4) 100원이상은 소수 첫째에서, 100원미만은 소수 셋째에서 반올림

月　平　均　價　格　表

品目番號	品　目　名	初　　旬	中　　旬	下　　旬	平　　均
10101	全　都　市				
	서　　울				
	釜　　山				
	大　　邱				
	仁　　川				
	清　　州				
10102	全　都　市				
	서　　울				
	釜　　山				
	大　　邱				
	仁　　川				
	清　　州				

* (1) 價格은 100원이상은 소수 첫째자리에서 반올림
100원미만은 소수 셋째자리에서 반올림
(2) 1페이지에 3品目씩 配列
(3) 2次 諸表

都市別 調査價格 集計表

서울(01) 81. . .現在

品目番號	品 名	前 旬		今 旬		備 考
		(市場價格)	(指數價格)	(市場價格)	(指數價格)	
10101	一 般 米	7,000.00	7,000.00			
10102	單 一 米	5,000.0	5,000.00			

* (1) 都市別로 全品目의 價格을
(2) 1次에서 되면 2次에서 諸表省略
(3) 備考 - 基準價格 修正時 使用

消費者 物價騰落品目 (結果表) (1980 = 100)

全都市(서울)

品目番號	品 名	加重値	今 旬	前 旬	騰落率	寄與度	騰落要因
10101	一 般 米	101.5 (101.5)	12,500.00	12,000.00	4.17	0.01	
10202	돼지고기	9.5 (11.1)	2,383.00	2,367.00	0.68	0.01	
10701	김	4.0 (4.2)	492.32	485.18	1.45	0.00	
10615	고 구 마	2.1 (1.8)	1,886.93	1,920.59	-1.75	0.00	
10403	아 동 양 말	0.4 (0.4)	441.13	427.18	3.27	0.00	

* (1) 全都市와 서울만 作成(全都市 - 全都市品目別 加重値, 서울 - 서울 品目別 加重値)
(2) 變動品目은 全品目 食料品과 食料品 이외로 순으로 하되 上昇品目, 下落品目 區分
(3) 2차 諸表

旬 期 變 動 品 目 表

81 . . . 現在

品目番號	品 名	都 市	前 旬	今 旬	差 額	騰落率	備 考
0101	一般米	全都市					
		서 울					
		〃					
		淸 州					
0104	찹 쌀	全都市					
		서 울					
		〃					
		淸 州					

*1. 該當旬期에 價格變動이 있었던 品目
2. 100원 以上은 小數첫째에서 100원 未滿은 小數 세째에서 반올림
3. 1次에서 되면 2次 諸表 省略
4. 備考 - 基準價格 變動時 基準價格
5. 1페이지에 3品目씩 配列

1 旬期 (月) 生活價格 指數

表 11 - 1 (全都市 總括表)
11 - 2 (서울 總括表)

	加重値	年 月 (旬)				年 月 (旬) (前年)		
		指 數	比前旬(月)	比前年末	比1年前	比前旬	比前年末	比1年前
總指數								
食料品								
食料品以外								
光熱費								
醫療費								
敎育費								
交通費								

表 12-1 （基本表）

分類 및 品目	全都市			서울		
	加重値	指數	價格	加重値	指數	價格
1,000						
1,100						
⋮						
1,200						
1,210						
⋮						
一般米						
⋮						

表 13-1 （指數騰落率）

分類 및 品目	全都市				서울			
	指數	比前旬(月)	比前年末	比1年前	指數	比前旬(月)	比前年末	比1年前
1,000								
1,100								
1,200								
1,210								
⋮								
一般米								
⋮								

表 14-1 （指數寄與度）

分類 및 品目	全都市				서울			
	指數	比前旬(月)	比前年末	比1年前	指數	比前旬(月)	比前年末	比1年前

表 15-1 （價格騰落）

	全都市				서울			
	前旬(月)	今旬(月)	騰落額	騰落率	前旬(月)	今旬(月)	騰落額	騰落率
一般米								
⋮								

表 15-2 （價格比較）

	全都市					서울				
	80年平均	80年12月	81年12月	前年同旬(月)	今旬(月)	80年平均	80年12月	81年12月	前年同旬(月)	今旬(月)

서울指數價格과 市場別價格 比較表

品目番號	市場別番號	指數價格	市場別價格	指數價格－市場別價格
10101		4,876.00	5,240.00	- 364,000
	1		5,200.00	
	2		5,200.00	
	3		5,200.00	
	4		5,200.00	
	5		5,300.00	
	6		5,400.00	
	7		5,200.00	
	8		5,300.00	
	9		5,200.00	
	10		5,200.00	
10102				
⋮				

서울市場別 價格表 (全品目)

5-1-1

品目番號	品 目	區 分	一般市場					特殊市場					平均	備 考
			동대문 01	남대문 02	영등포 03	청량리 04	신 촌 05	백화점 06	한양쇼핑 07	고려수퍼 08	뉴서울수퍼 09	무악구판장 10		
10101	일반미	前 旬												
		今 旬												
		差 額												
		登落率												
10102	단순미	前 旬												
		今 旬												
		差 額												
		登落率												

서울市場別 價格表 (價格發表)

5-1-2

品目番號	品目名	區 分	一般市場					特殊市場				
			동대문 01	남대문 02	영등포 03	청량리 04	신 촌 05	백화점 06	한양쇼핑 07	고려슈퍼 08	뉴서울수퍼 09	무악구판장 10
10101	일 반 미	前月平均										
		月平均										
		5 旬期										
		15 旬期										
		25 旬期										
10105	보 리 쌀	前月平均										
		月平均										
		5 旬期										
		15 旬期										
		25 旬期										

주 : 1. 價格發表 對象品目에 한하여 諸表
2. 每旬期別 (2旬期 소급) 3旬期 價格比較가 平均價格 表示
3. 價格發表對象品目의 增減을 考慮할 수 있음.
4. 價格發表對象品은 既通報하였음.

性 質 別 指 數

#6 <1 서 울
<0 全都市

(1980 = 100.0)

品目番號	品目名	加重値	指數				登落率			寄與度		
			今旬(月)	前旬(月)	前年末月	前年同旬(月)	非前旬(月)	非前年末月	1年旬(月)	非前旬(月)	非前年末月	非1年前旬年
10101	一般米	71.7										

※ ① 品目指數 및 品目登落率은 소수 세째자리에서 사사오입.
② 有別指數 및 有別登落率은 소수 둘째자리에서 사사오입.
③ 寄與度는 소수 세째에서 사사오입.
④ 서울 및 全都市로 區分 作成
⑤ 旬期 및 月平均으로 作成

結　　果　　表

7 <1 서 울 / 0 全都市

(1980＝100.0)

	加重値	指數		登落率			寄與度		
		今旬(月)	前旬(月)	非前旬(月)	非前年末 月	非1年前旬(月)	非前旬(月)	非前年末 月	非1年前旬(月)
總指數	1000.0								
商品	670.0								
農水產品	317.2								
穀物	135.3								
穀物이외	181.9								
工業製品	352.8								
食料品	80.6								
纖維製品	76.9								
家具內構材	39.3								
出版物	14.0								
其他工業製品	142.0								
서비스	330.0								
房貰	81.3								
公共料金	144.6								
個人서비스	87.0								
外食	17.1								

※ ① 指數 및 登落率은 소수 둘째자리에서 사사오입.
② 寄與度는 소수 세째자리에서 사사오입.

全都市 價格 및 指數表 (1980=100)

9-0

198 . . .

分類番號	品名	서울	釜山	大邱	仁川	大田	光州	全州	春川	淸州	珍島
60000	總指數										
69999	食料品以外										
61000	食料品										
61010	穀類										
61011	穀物										
10101	一般米	280.49	264.97	(指數)							
10102	單一米	7,015.00	6,921.00	(價格)							
≀											
69000	雜費										
69010	이미用										
69011	이미용品										
50201	花莊비누										
≀											
50903	印鑑證明										

* (1) 個別品目-都市別로 指數와 價格
  指數-소수점 둘째자리에서 算出(세째자리에서 반올림)
  價格-100원 이상은 소수점 첫째에서 100원미만은 소수점 세째에서 반올림
(2) 有別, 비목, 總指數-都市別로 指數와 累積値 指數는 소수점 아래 첫째까지(둘째에서 반올림)
(3) 都市의 有別, 비목, 總指數-都市別로 品目別 加重値 適用 算出
(4) 全都市 指數-各 都市의 指數에 都市間 加重値 適用 算出
(5) 現行 1表(全都市 價格 및 指數表)와 同一

品目別 分析表 (1980=100)

全都市(9-11)

198 . . . 現在

品目番號	品名	指數					登落率				寄與度			
		금순	전순	전월동순	전년말월	전년동순	비전순	전월동순	전년말월	전년동순	비전순	전월동순	전년말월	전년동순
60000	總指數													
69999	食料品以外													
61000	食料品													
61010	穀類													
61011	穀物													
10101	一般米													
10102	單一米													
≀														
69000														
69010														
69011														
50201														
≀														
50103														

* (1) 全都市 (9~11)와 서울(9~12)만 作成
(2) 現行 3表와 同一
(品目別 分析表)

有 別 分 析 表 (1980=100)

서울(9-2) 198 . . .現在

分類番號	品 名	指數					登落率				寄與度			
		금순	전순	전월동순	전년말월	전년동순	전순	전월동순	전년말월	전년동순	전순	전월동순	전월말월	발월동순
60000	總 値 數													
69999	食料品以外													
61000	食 料 品													
61010	穀 類													
61011	穀 物													
61012	穀物加工品													
61020	肉 類													
≀														
62000														
≀														
69000														
≀														
69050														
69051														

* (1) 都市別로 個別作成
  前都市(9-1) 서울(9-2) ····· 淸州(9-10)
(2) 有別과 비목만 作成
(3) 現行 오표(有別 分析表와)同一

9 代 分類指數結果表 (1980=100)

全都市(9-20) 198 . . .現在

分類番號	品 名	加重値	82. 4. 5						81. 4. 5					
			指數		登落率				指數		登落率			
			금순(월)	전순(월)	비전순(월)	비전월동순	비전년말월	비1년전	금순(월)	전순(월)	비전순(월)	비전월동순	비전년말월	비1년전
60000	總 指 數	1,000.0												
61000	食 料 品	411.3												
61010	穀 類	147.8												
61020	肉 類	42.7												
≀	≀	≀												
61110	外 食	19.2												
69999	食料品以外	588.8												
62000	住 居 費	97.1												
62010	집 세	81.3												
≀														
69000														

* (1) 全都市(9~20) 서울(9~21)로 區分 作成
(2) 月平均은 比全月 同旬 除外
(3) 中分類(品名)까지만 算出
(4) 現行 4表(消費者 物價指數 結果表)와 同一