



METRO·DADE

**Metropolitan
Planning Organization**

***Long Range
Transportation Plan
Update***

APPENDIX

TECHNICAL REPORT NO. 2

**Model Validation -
Year 1990**

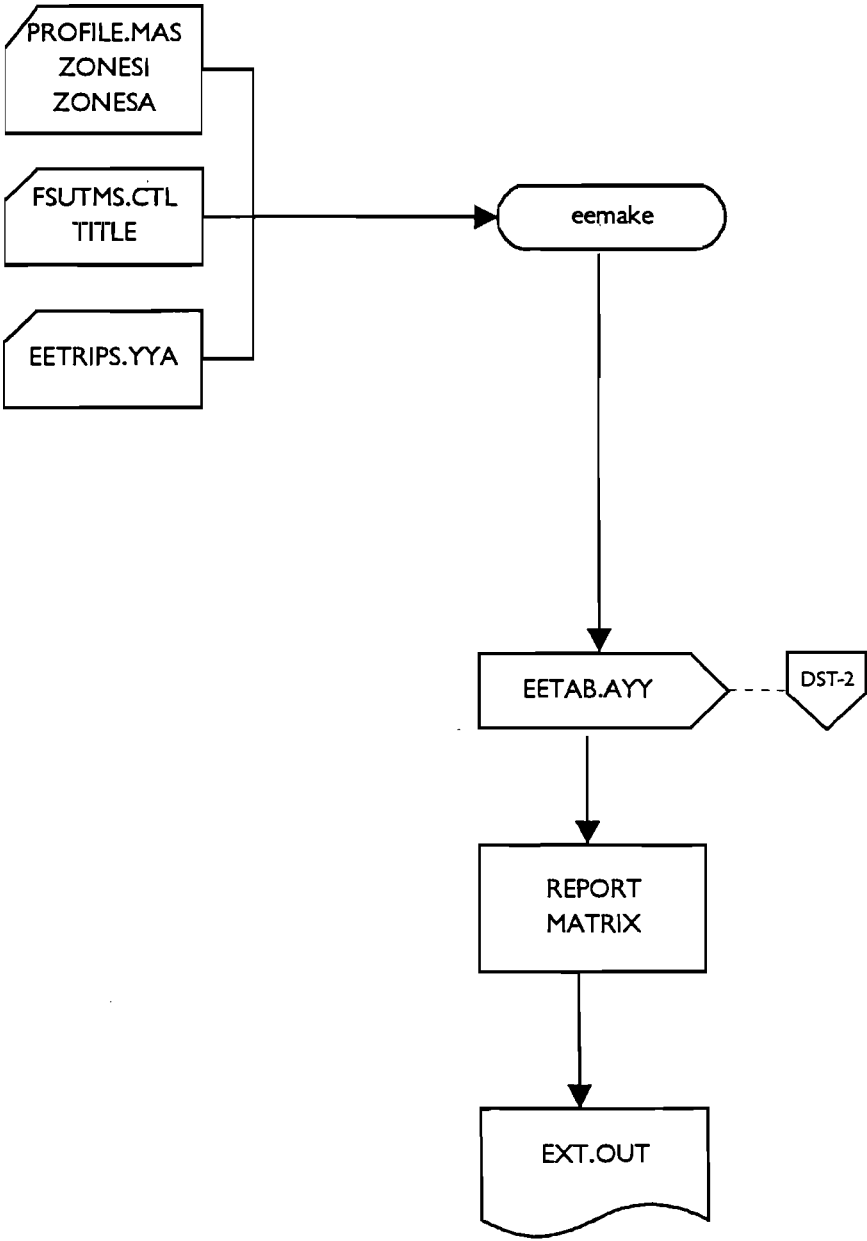


Gannett Fleming
ENGINEERS AND PLANNERS

I. FLOW CHART

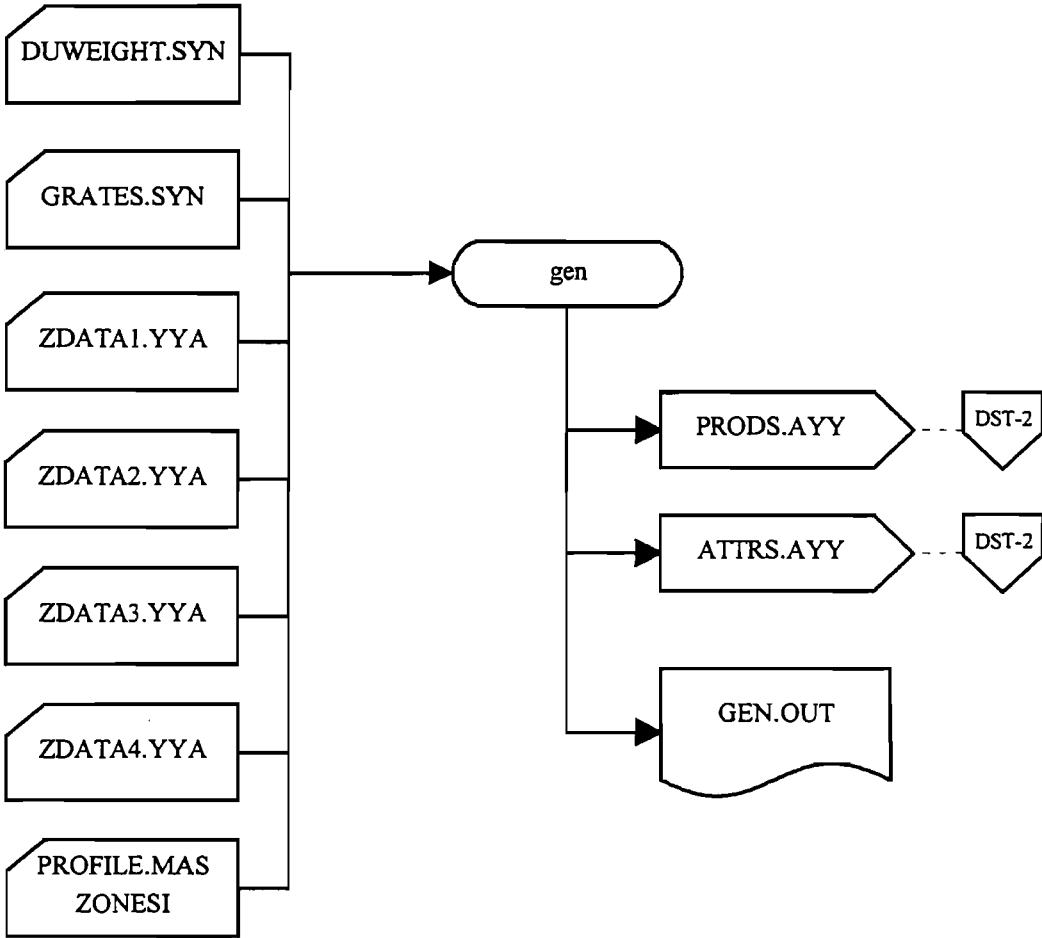
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL

EXTERNAL



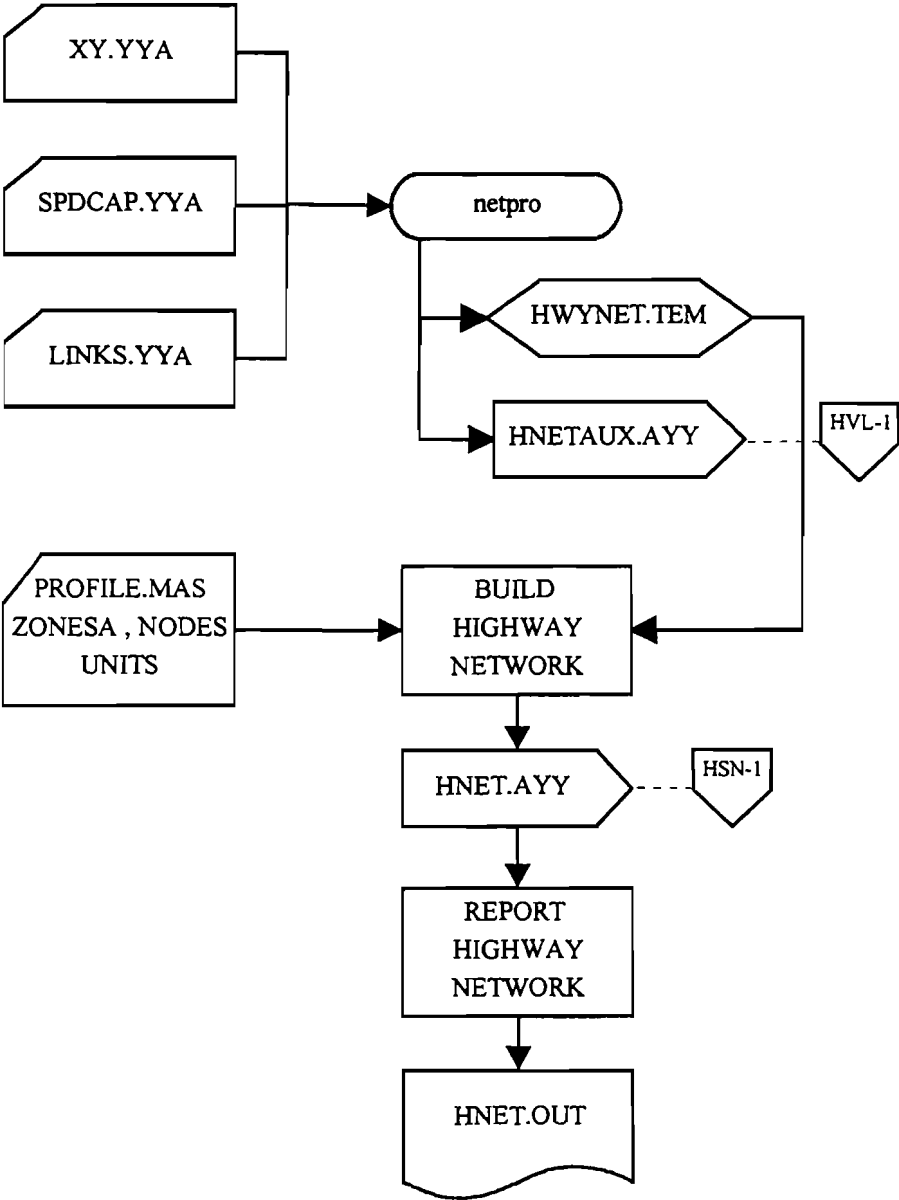
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL

TRIP GENERATION



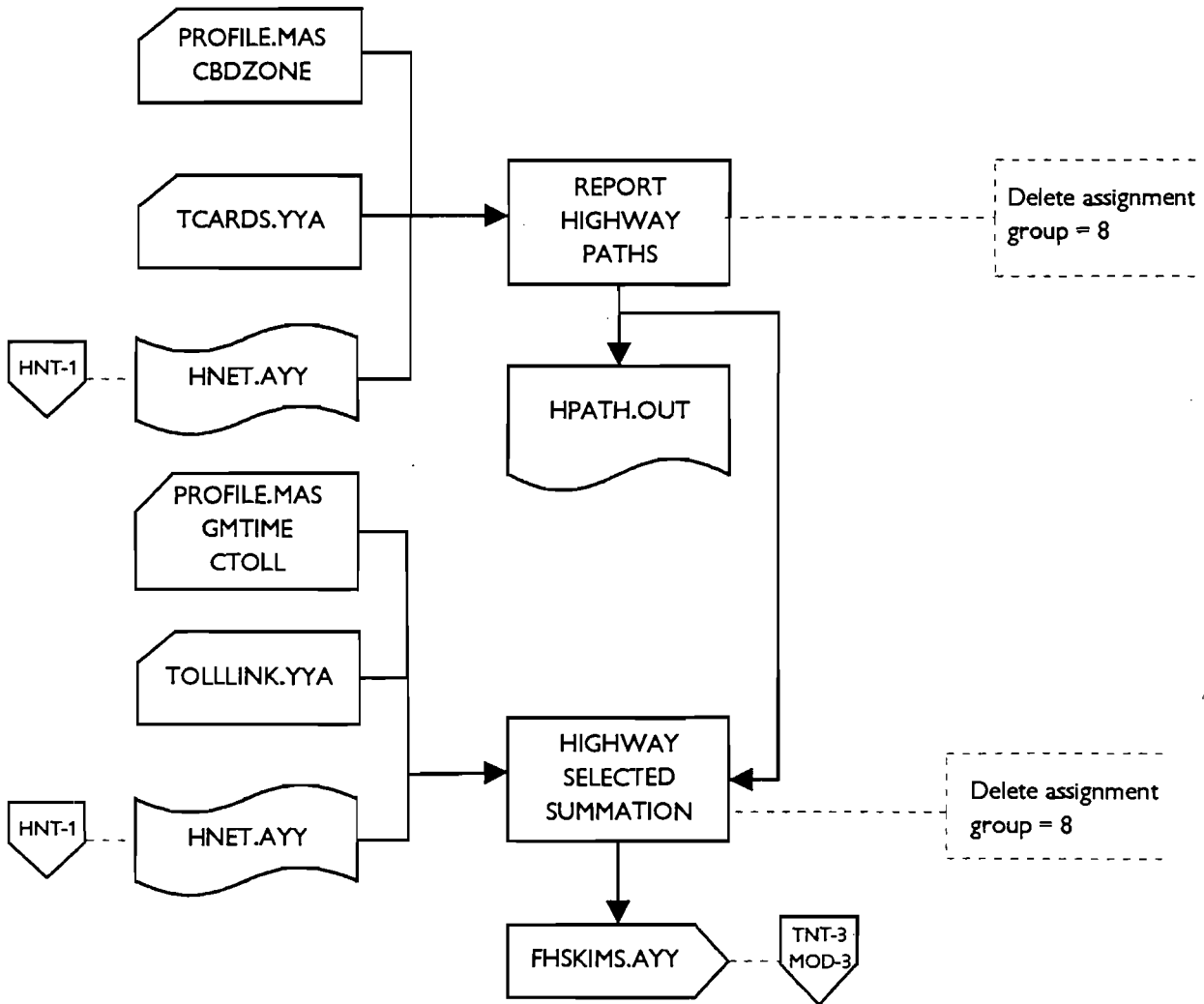
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL

HNET



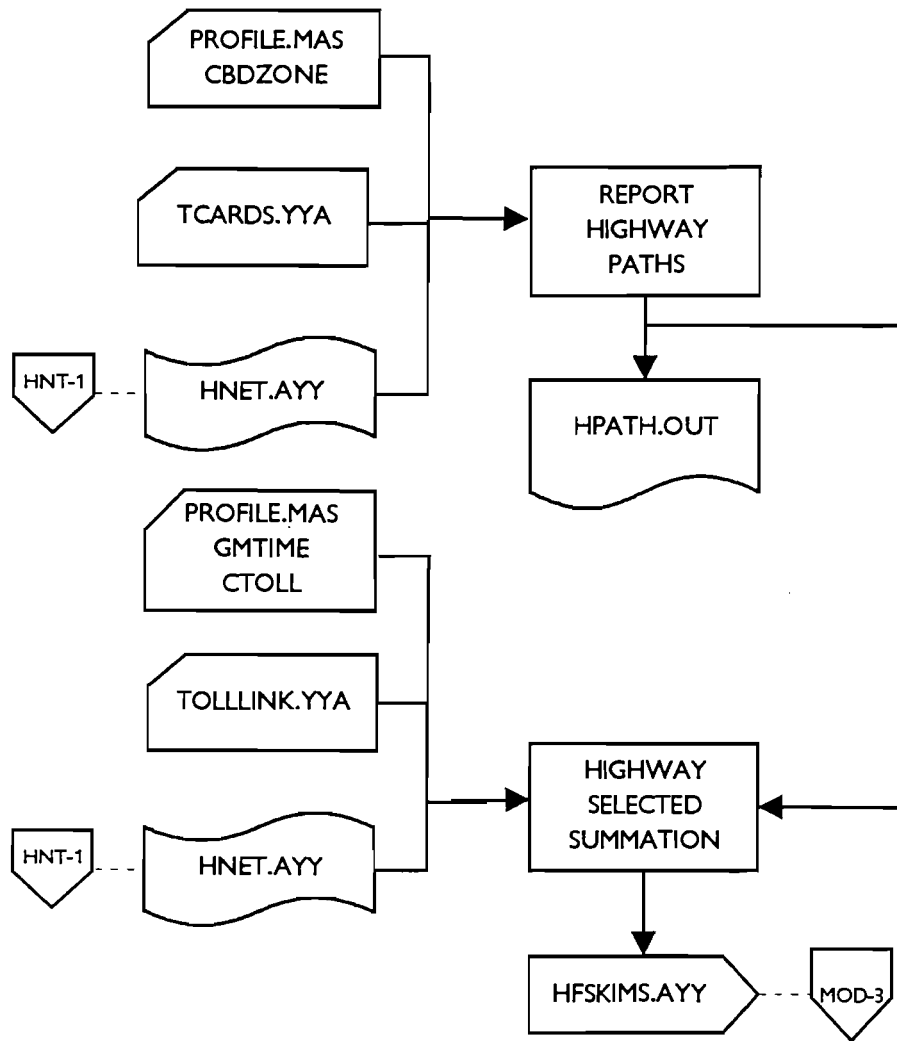
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL

HPATH



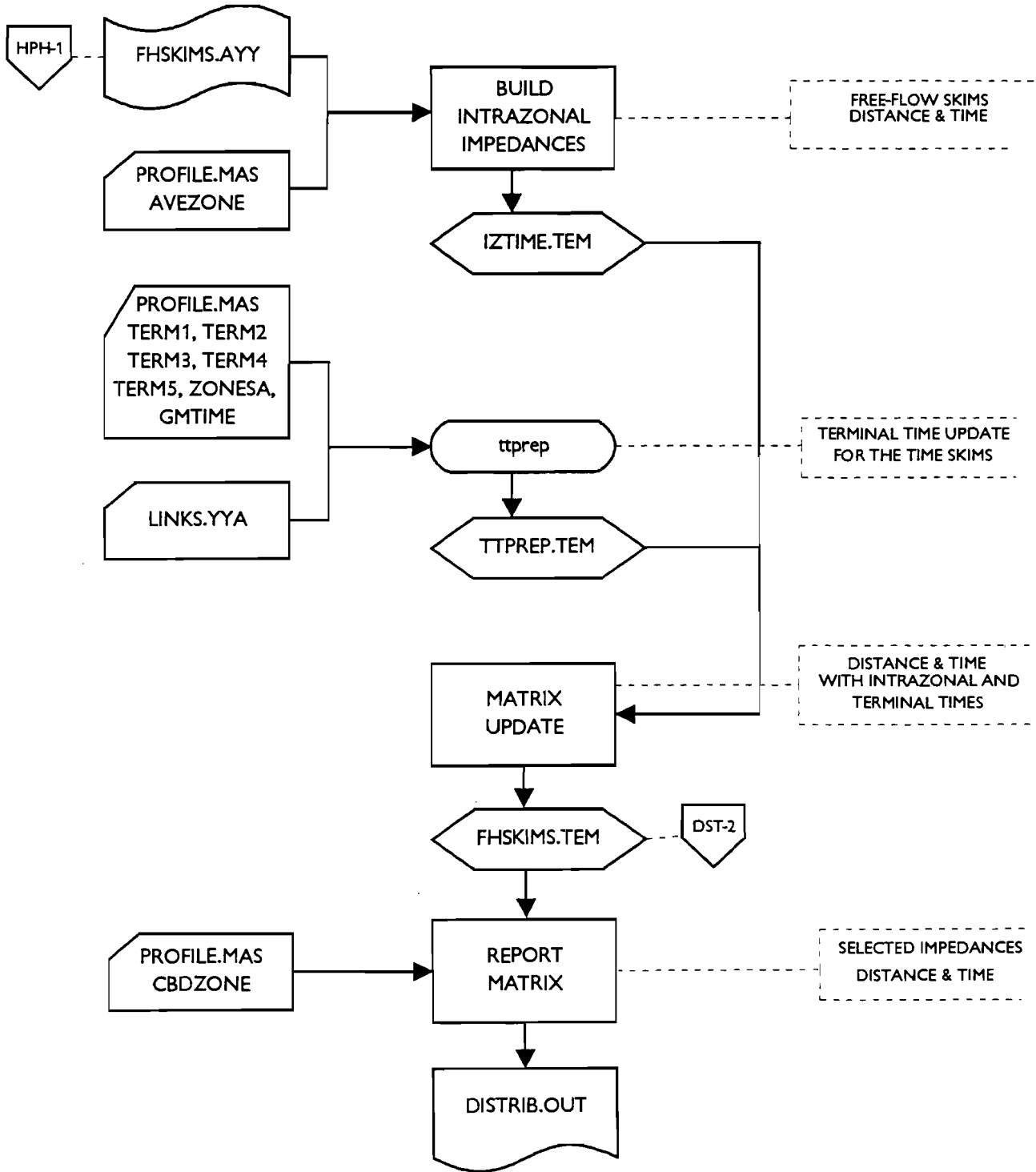
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LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL

HPATH



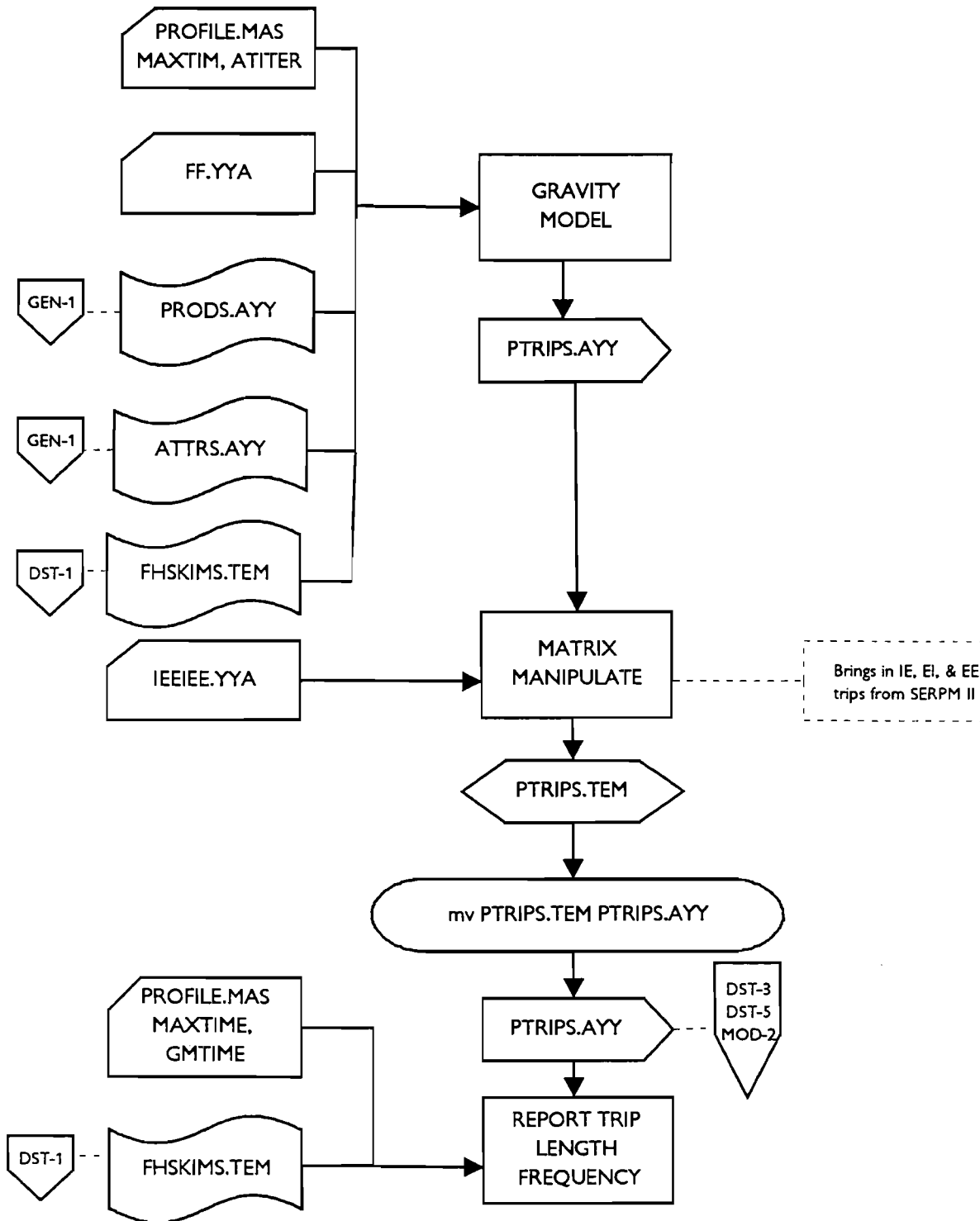
**METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL**

DISTRIBUTION



METRO-DADE MPO
 LONG RANGE TRANSPORTATION PLAN UPDATE
 MIAMI TRANSPORTATION PLANNING MODEL

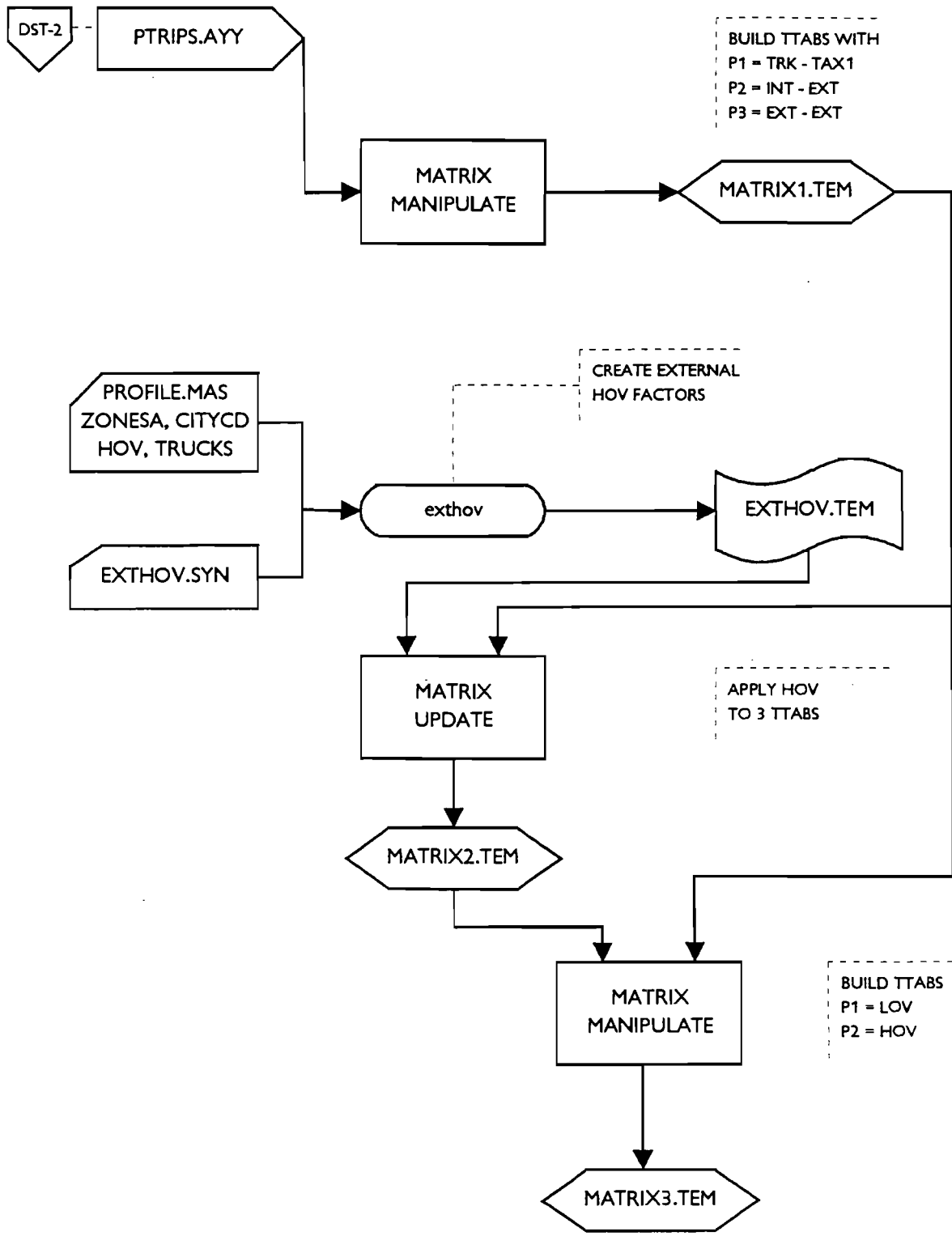
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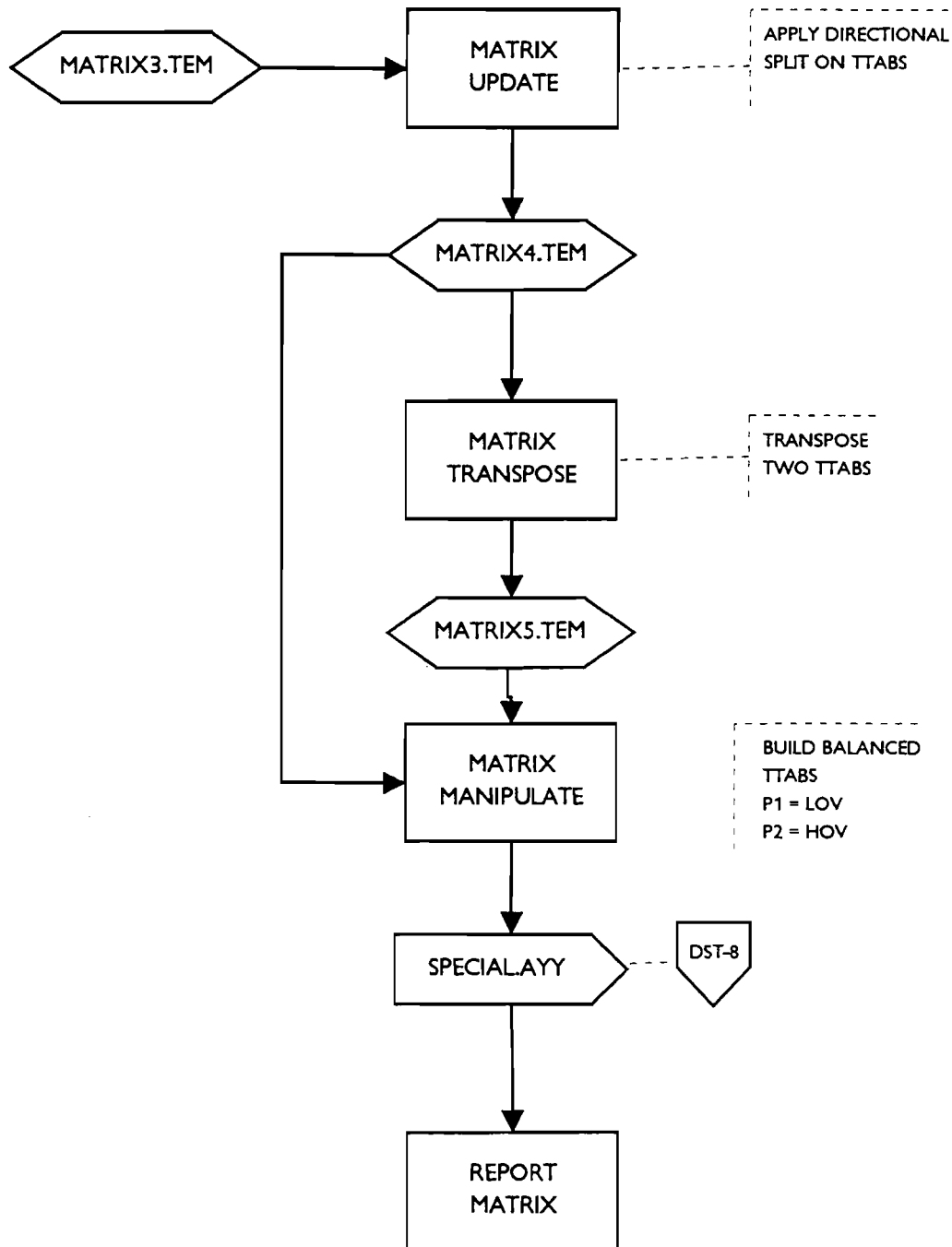
DST-2

METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL

DISTRIBUTION



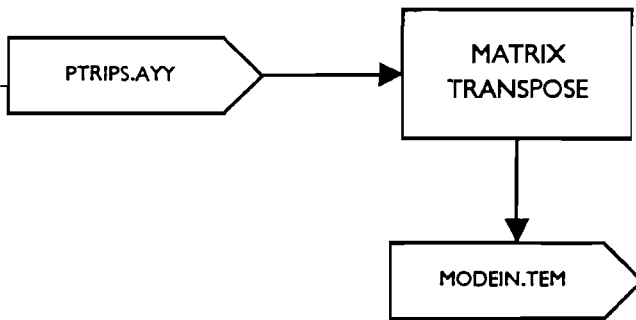
METRO-DADE MPO
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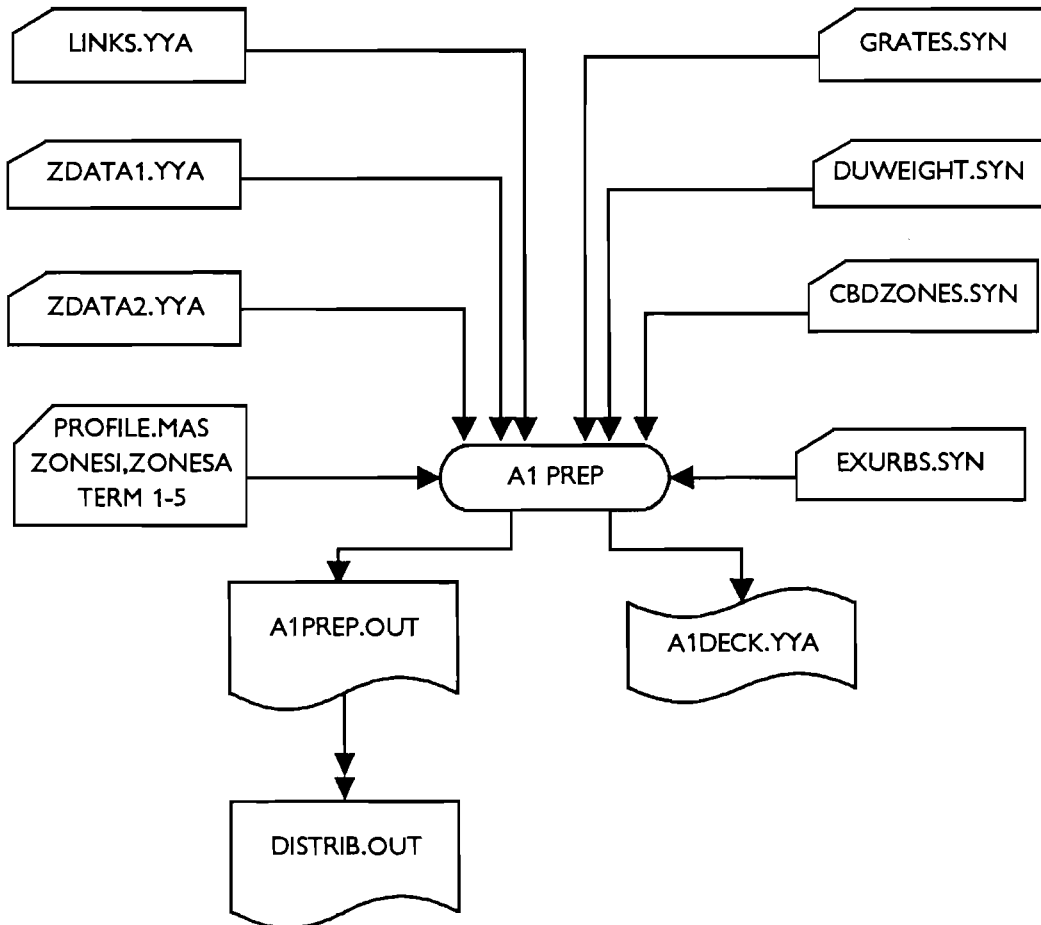
METRO-DADE MPO
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 MIAMI TRANSPORTATION PLANNING MODEL

DISTRIBUTION

DST-2

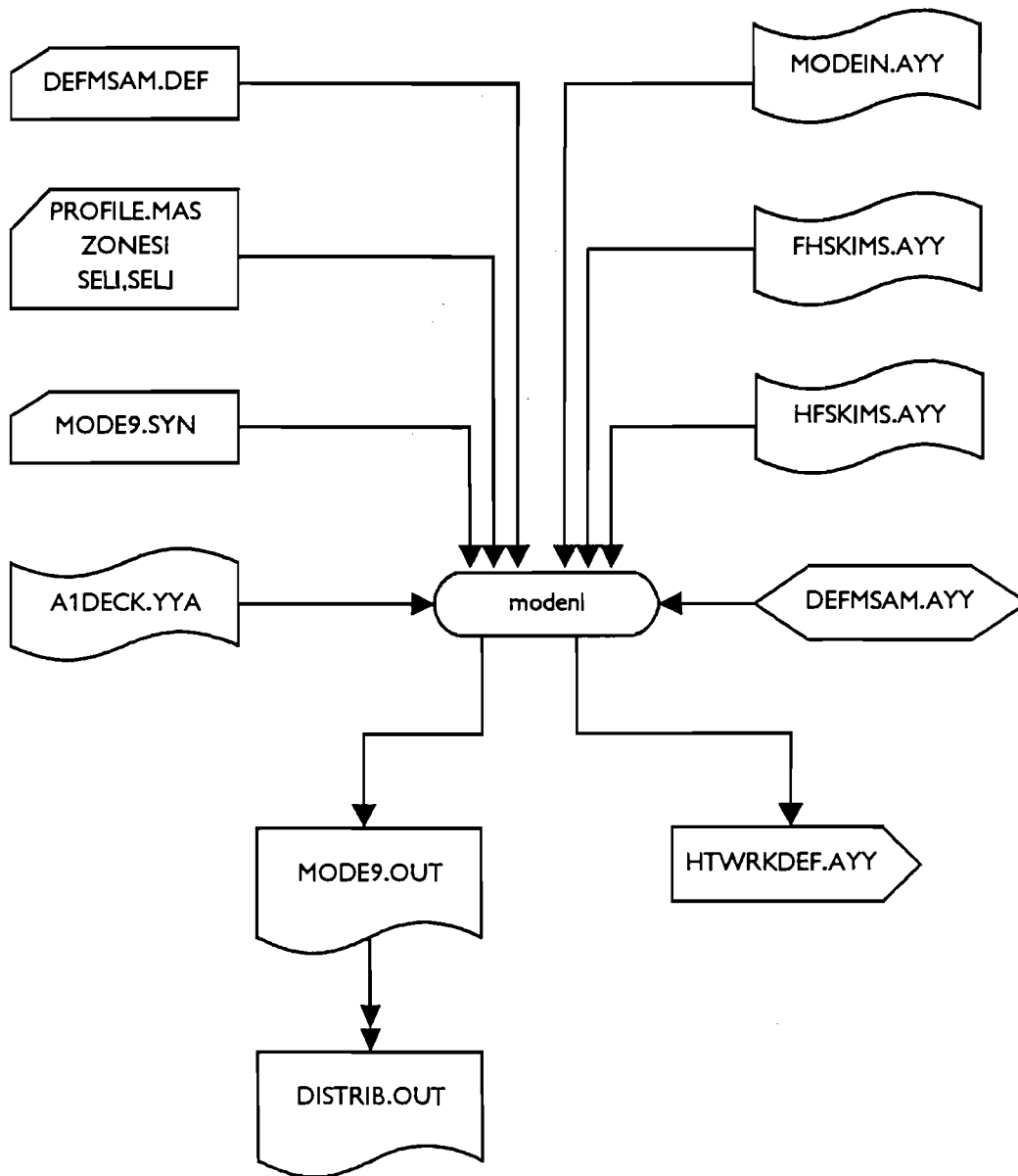


MERGE PERSON TTABS
 FOR MODESPLIT
 P1=HB WORK
 P2=HB NON WK
 P3=NHB
 P4=TOTAL



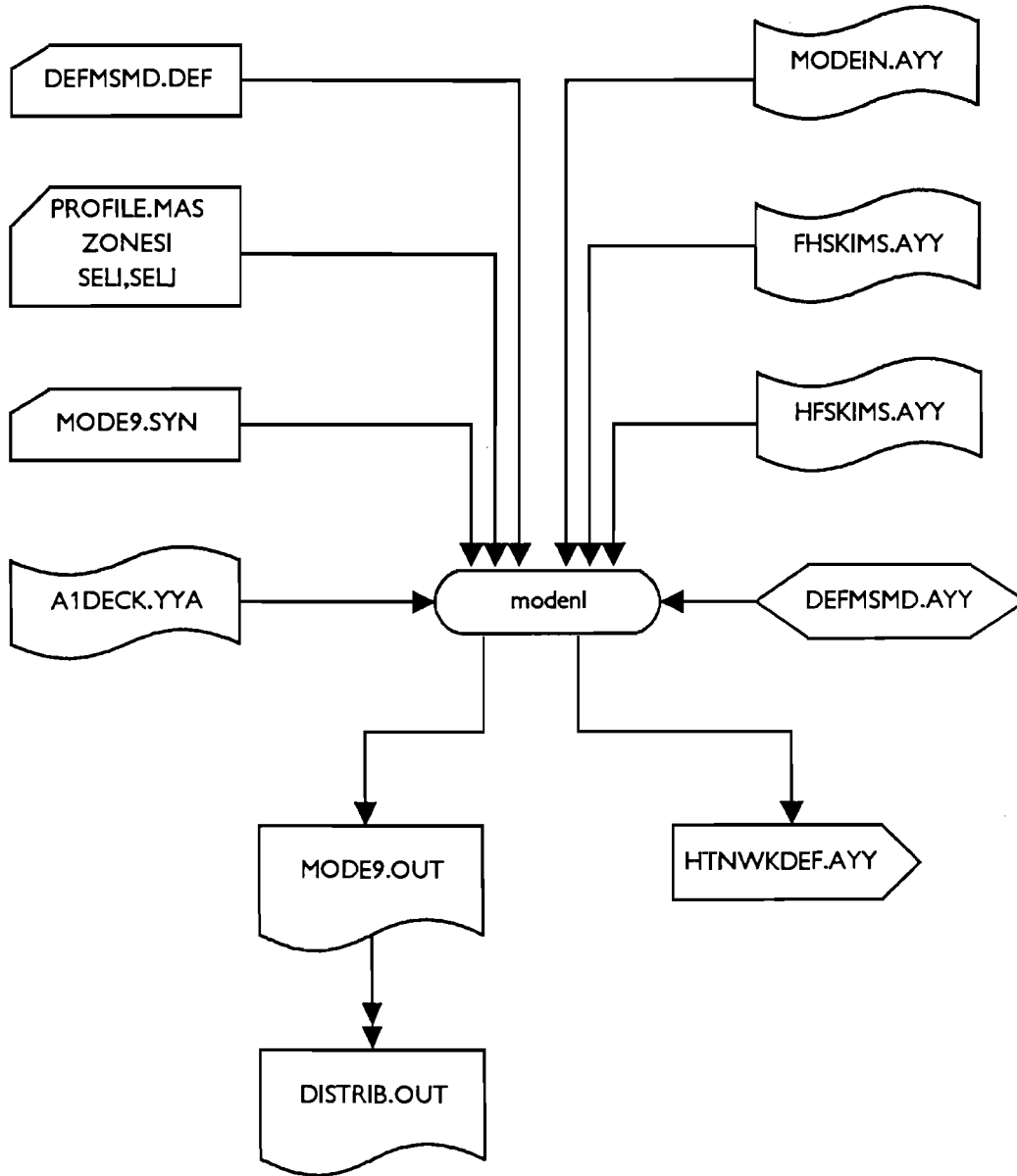
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METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
DISTRIBUTION



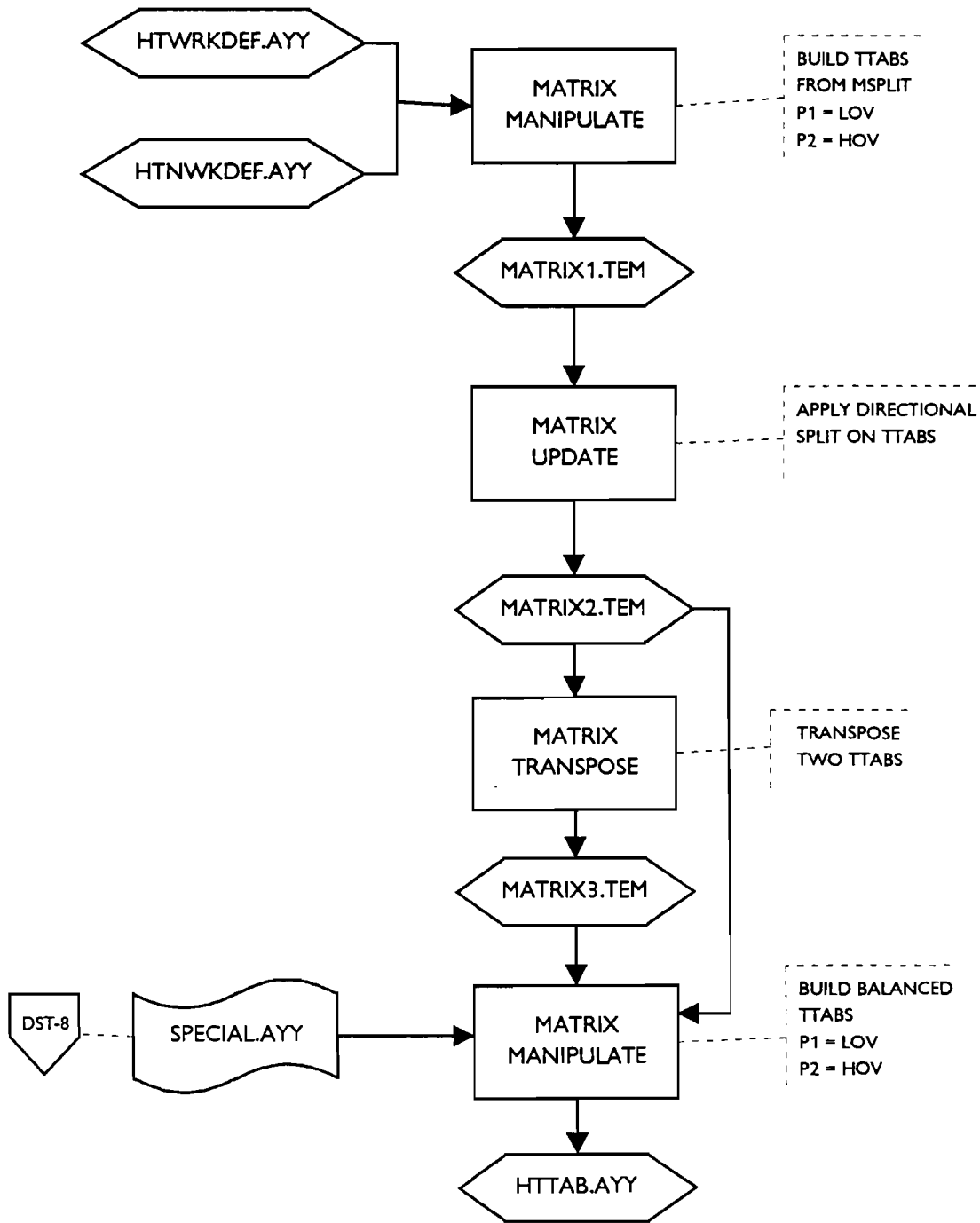
METRO-DADE MPO
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MIAMI TRANSPORTATION PLANNING MODEL

DISTRIBUTION



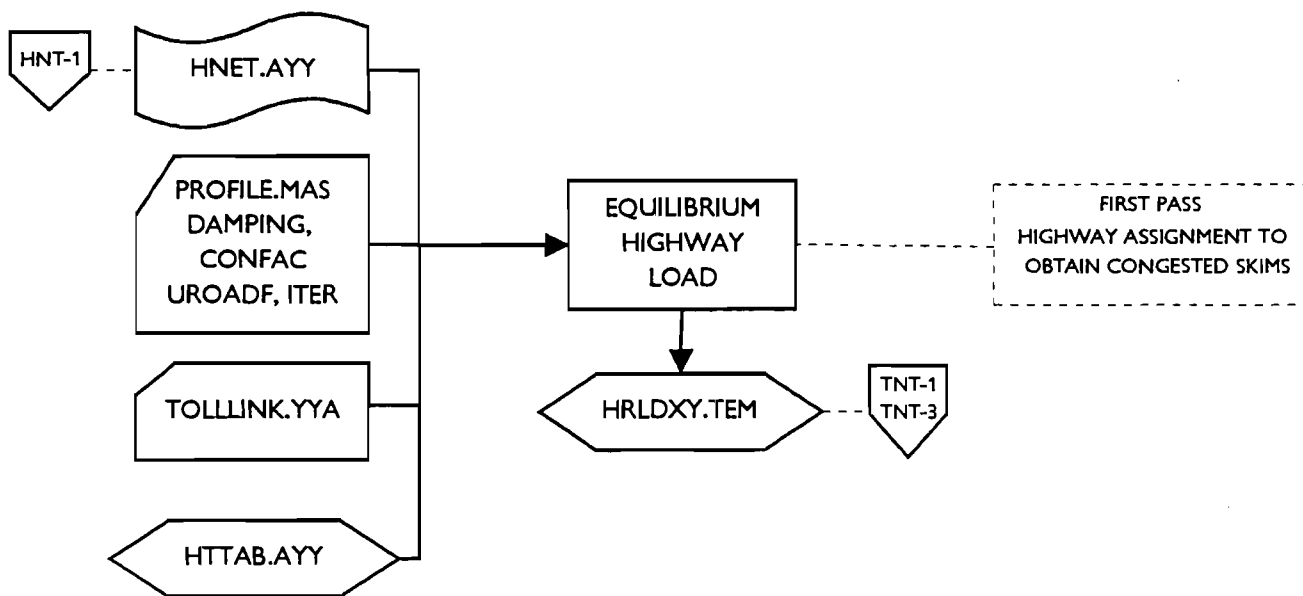
METRO-DADE MPO
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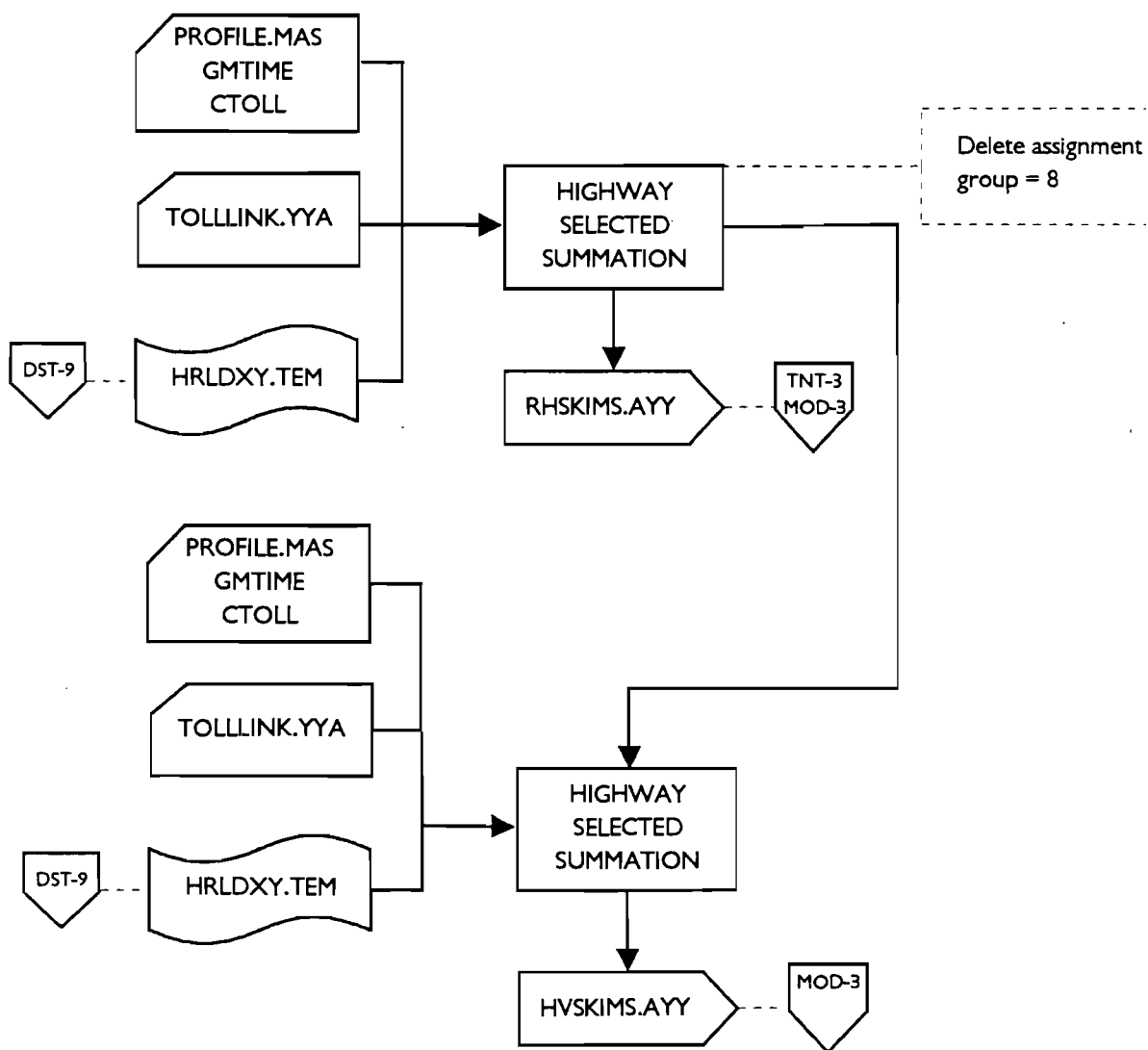
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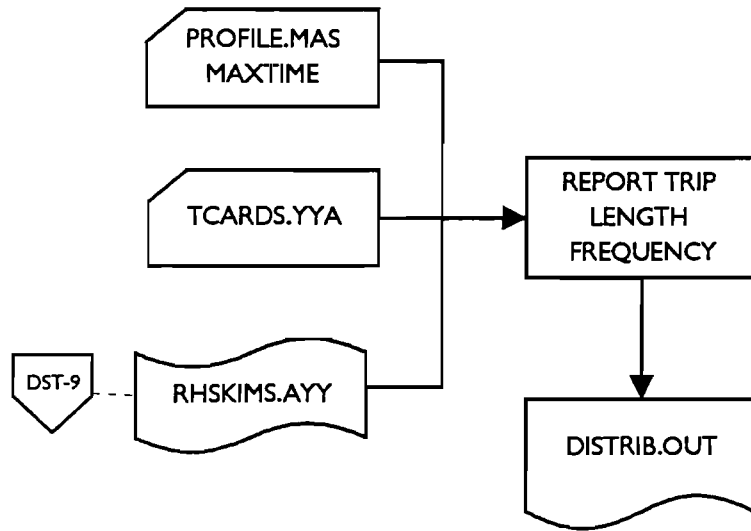
METRO-DADE MPO
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DISTRIBUTION

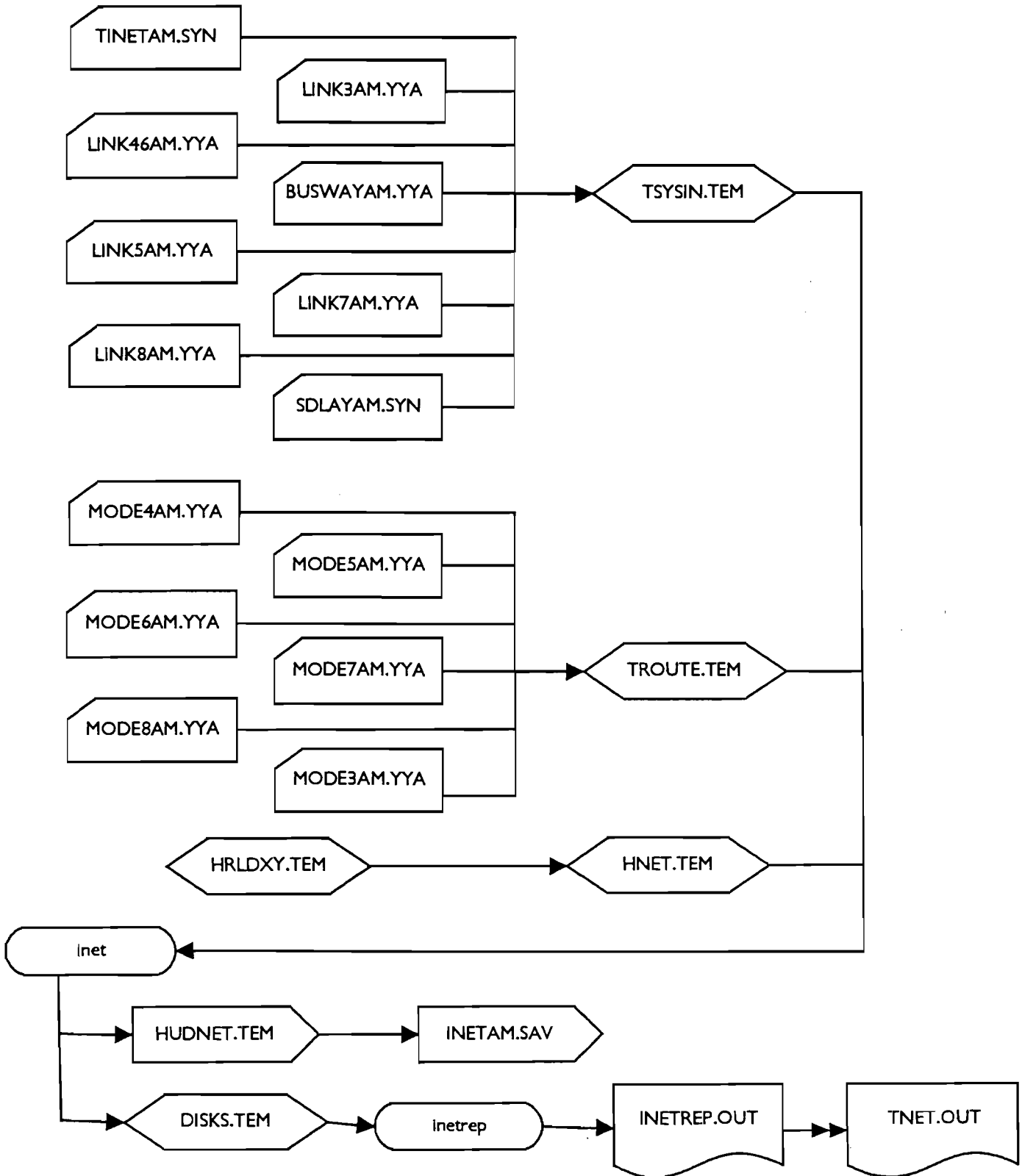


METRO-DADE MPO
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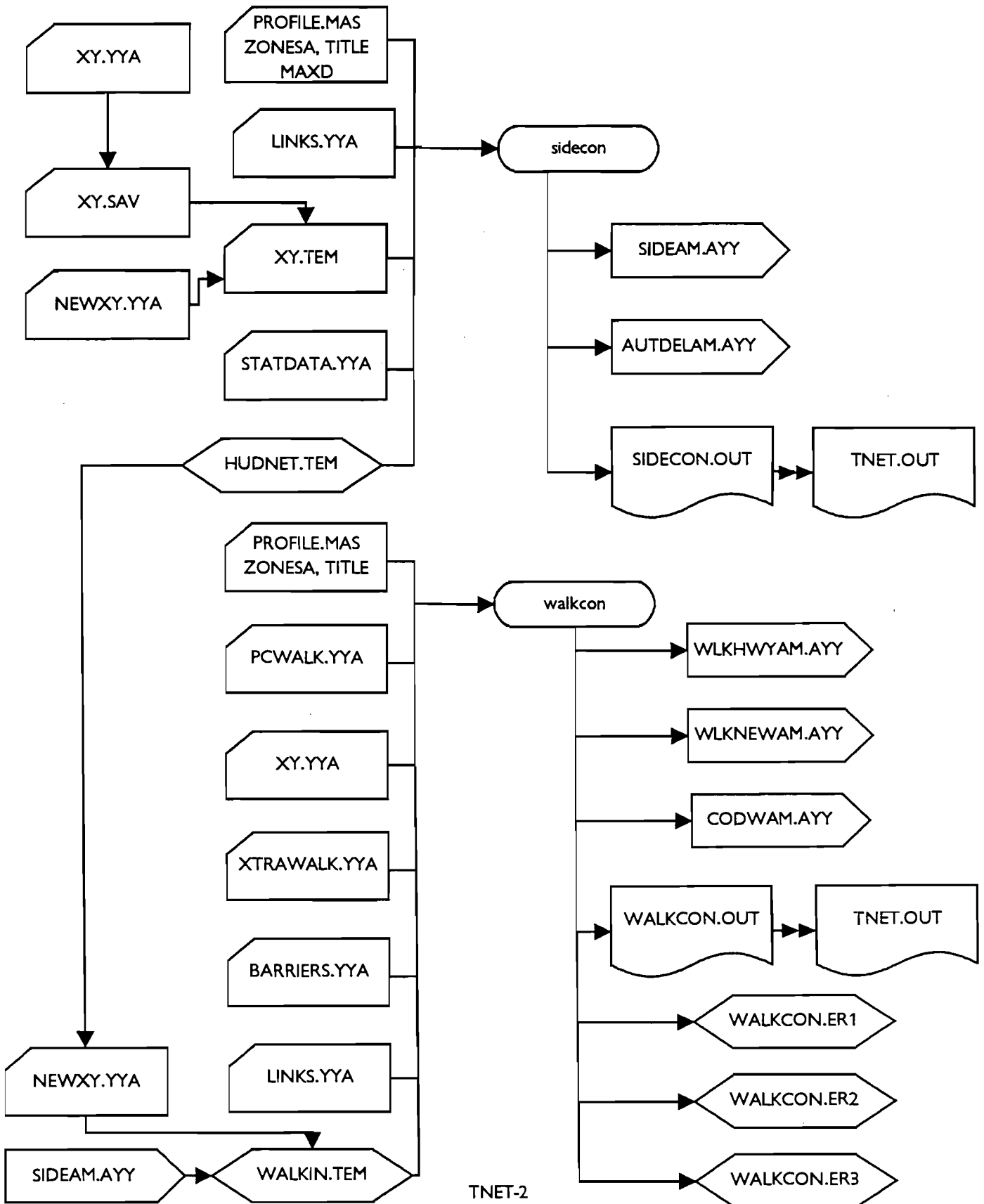
DISTRIBUTION



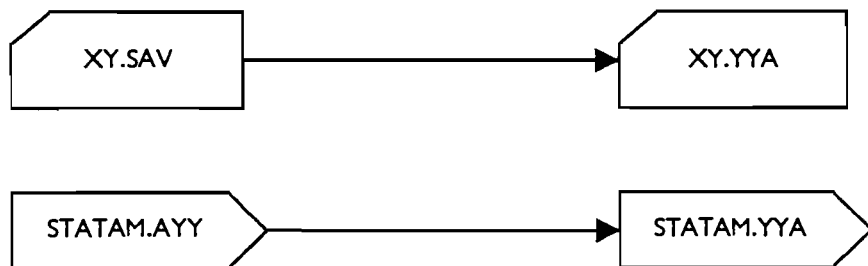
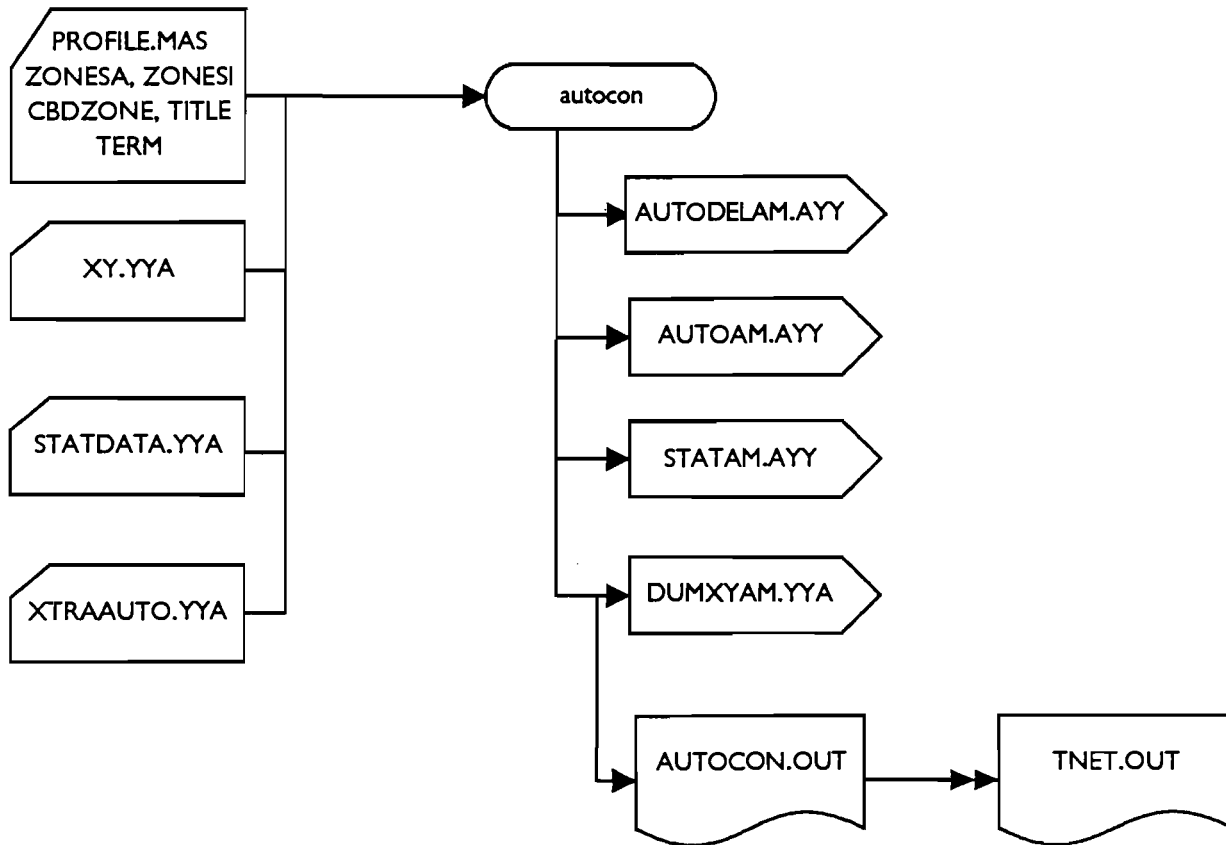
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT NETWORK DEVELOPMENT



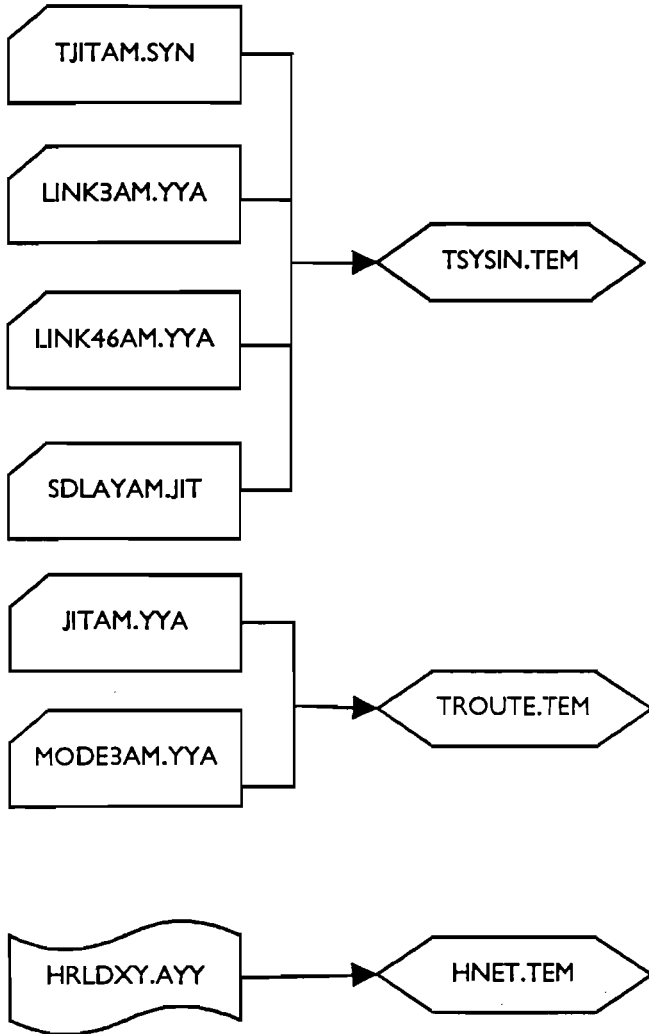
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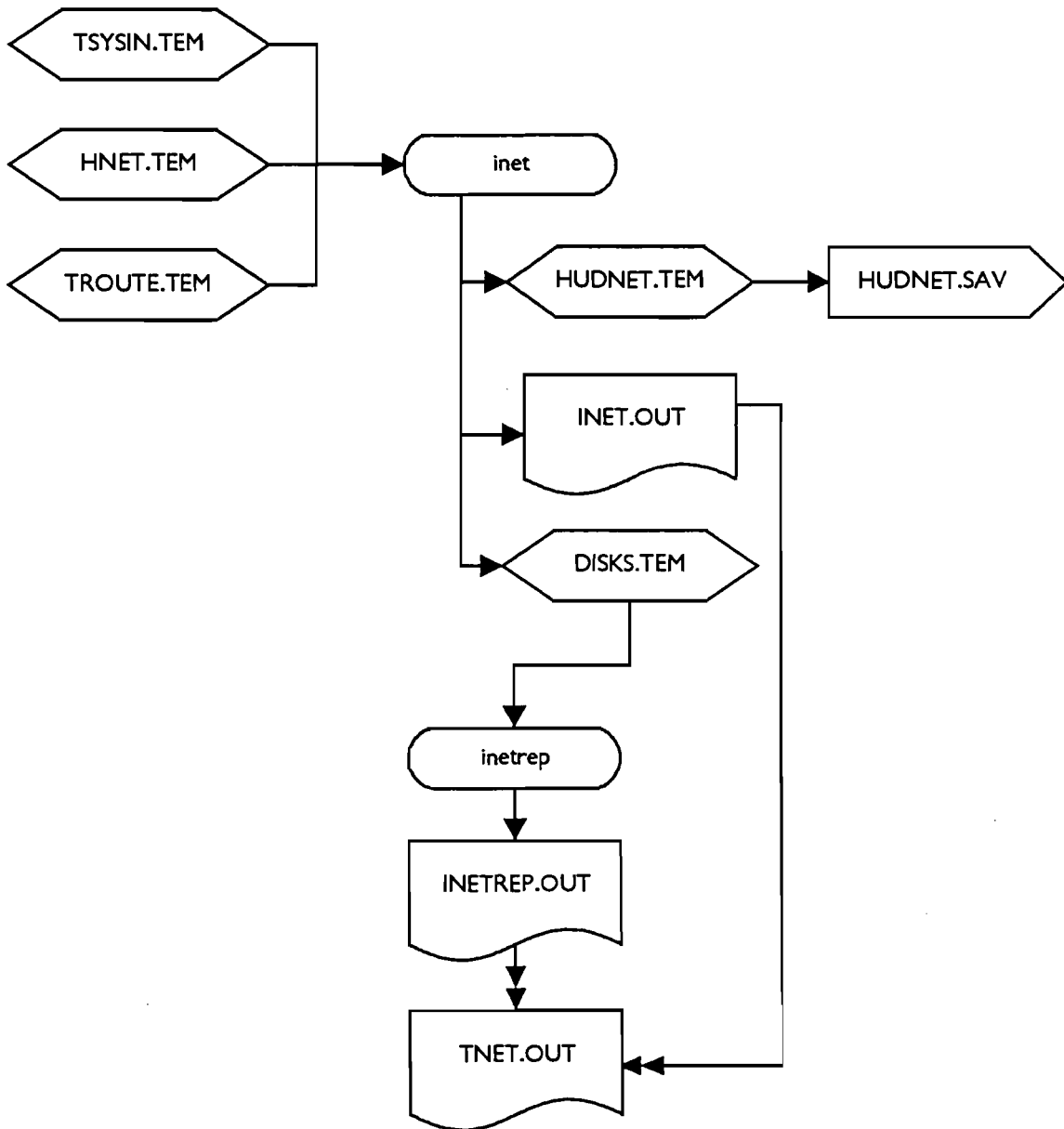
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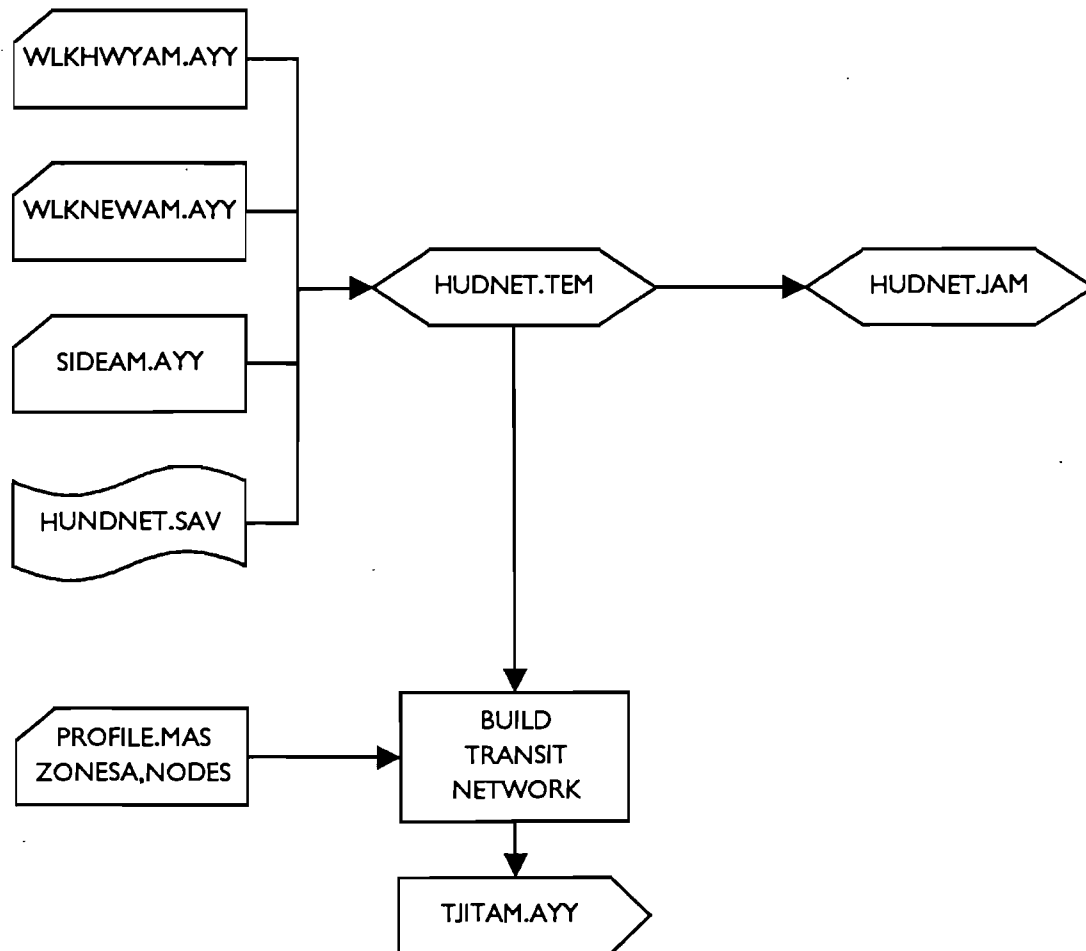
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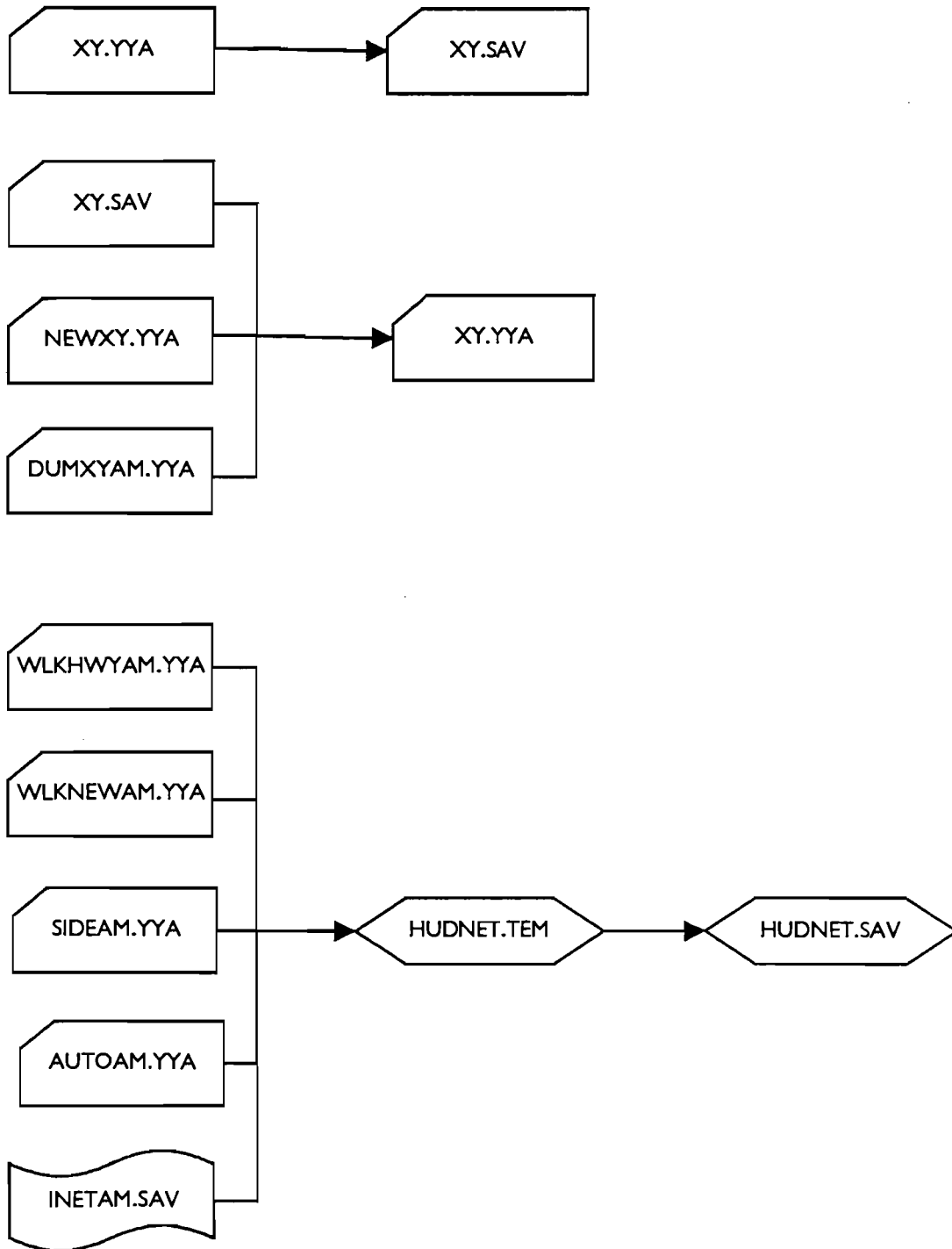
**METRO-DADE MPO
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TRANSIT NETWORK DEVELOPMENT**



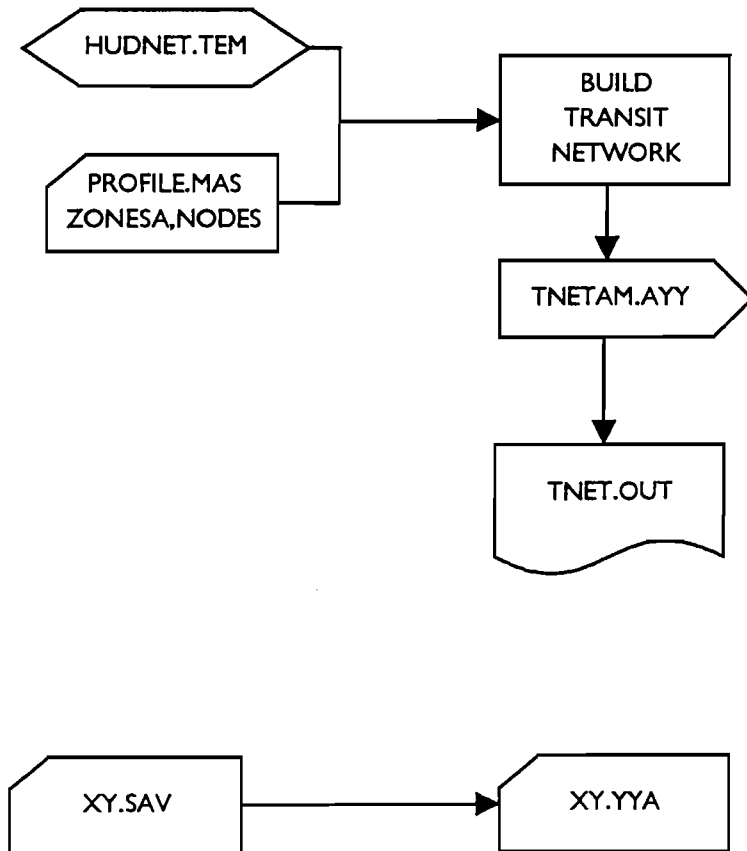
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MIAMI TRANSPORTATION PLANNING MODEL
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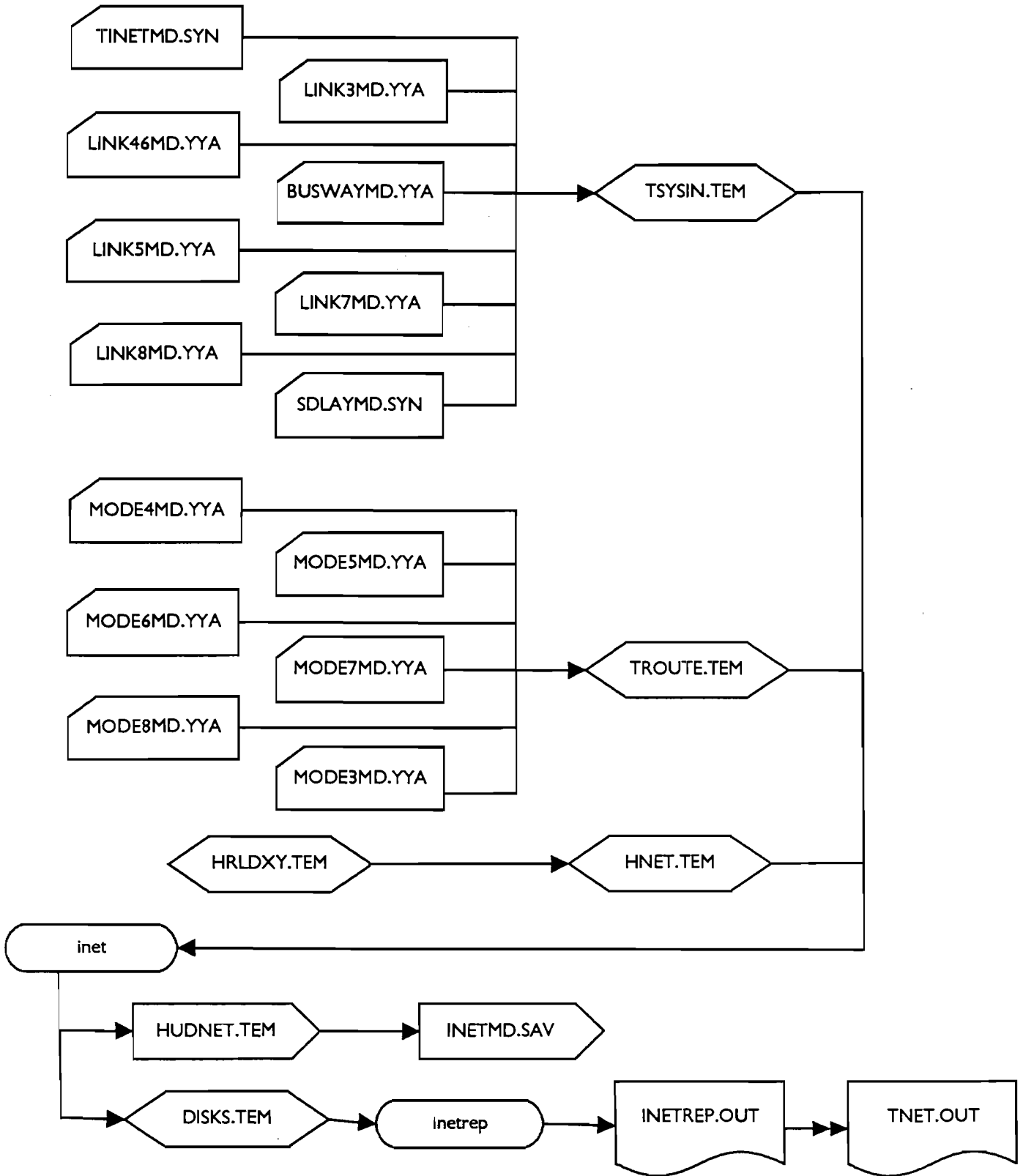
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TRANSIT NETWORK DEVELOPMENT

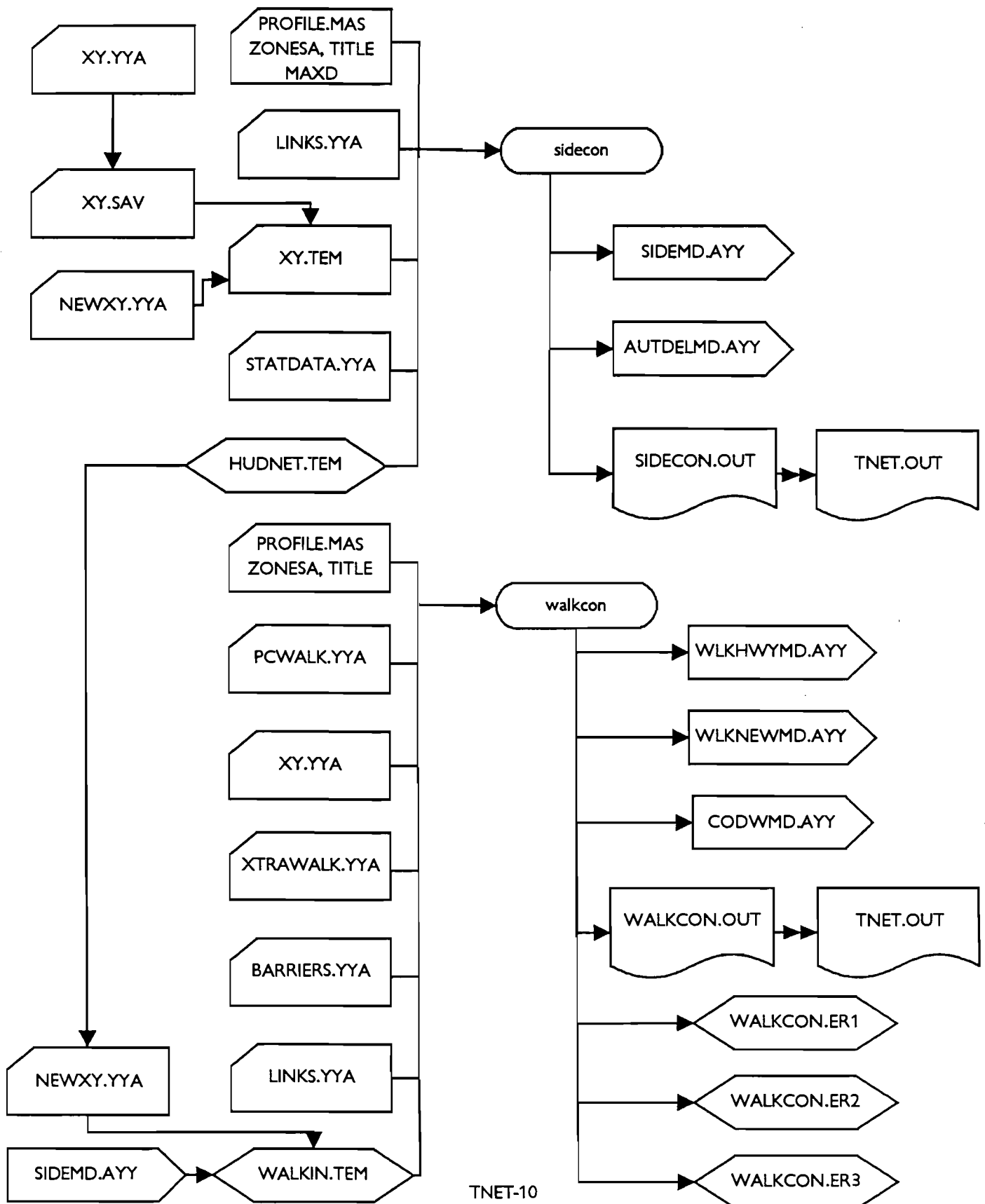


METRO-DADE MPO
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MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT NETWORK DEVELOPMENT

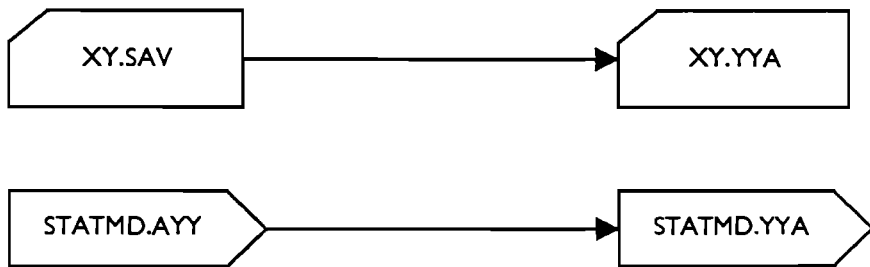
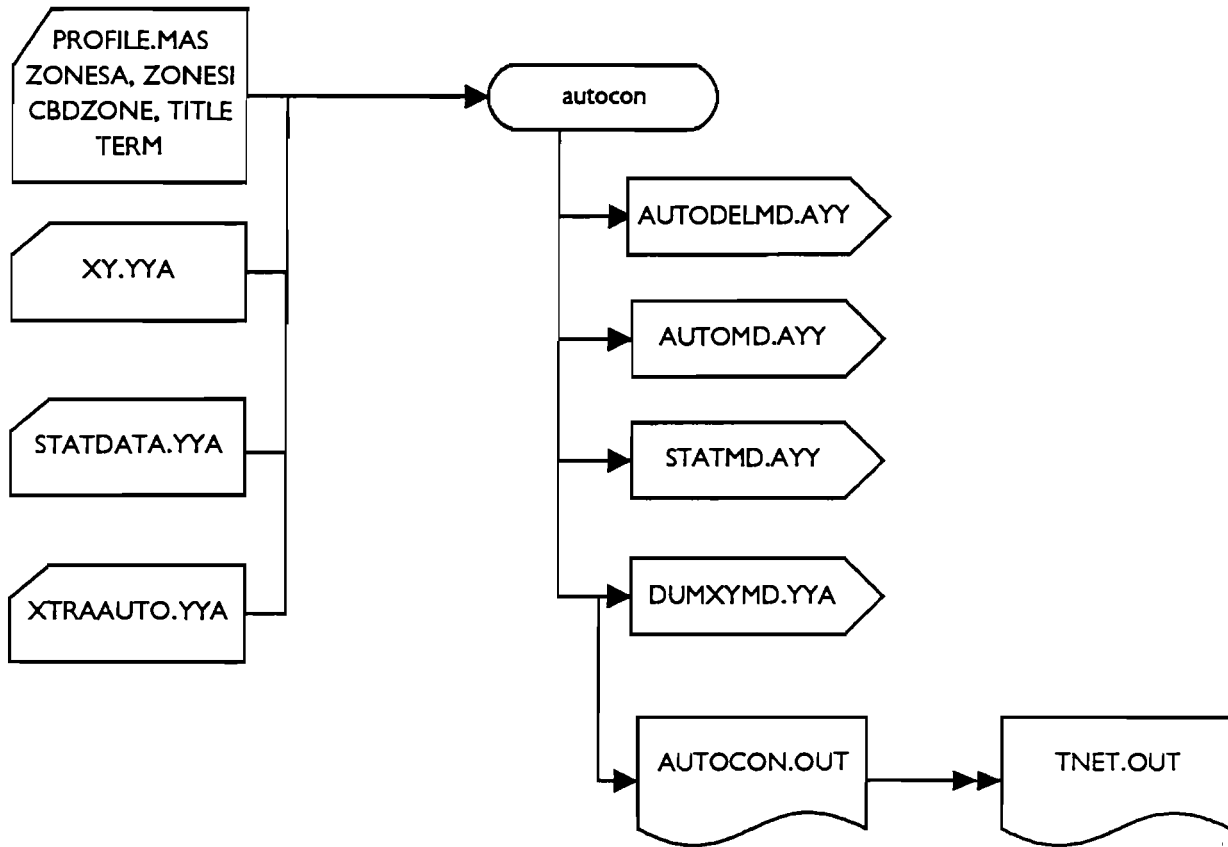


TNET-9

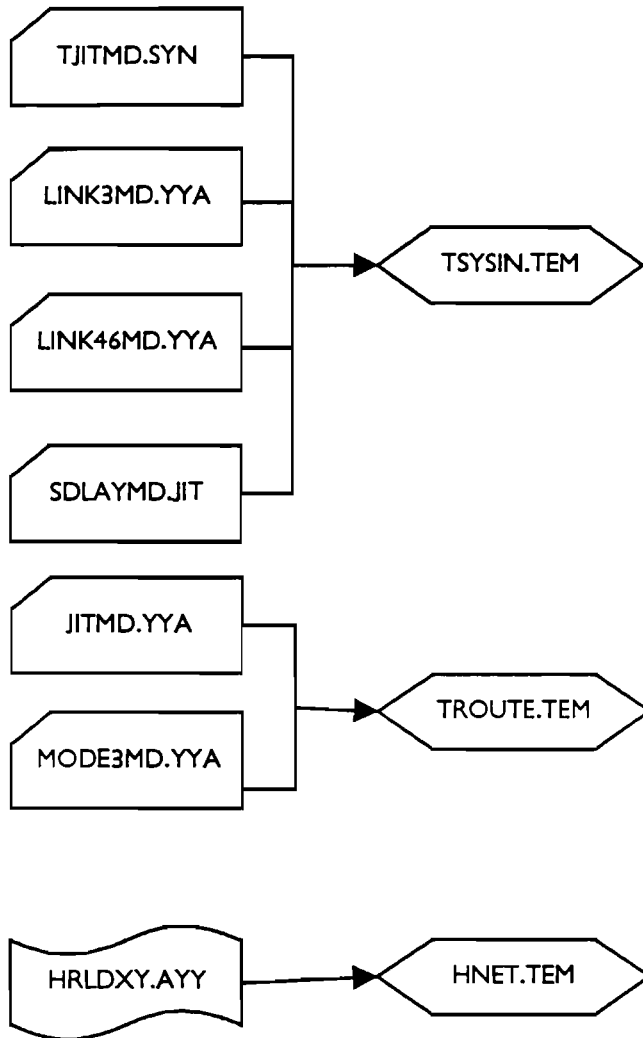
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MIAMI TRANSPORTATION PLANNING MODEL
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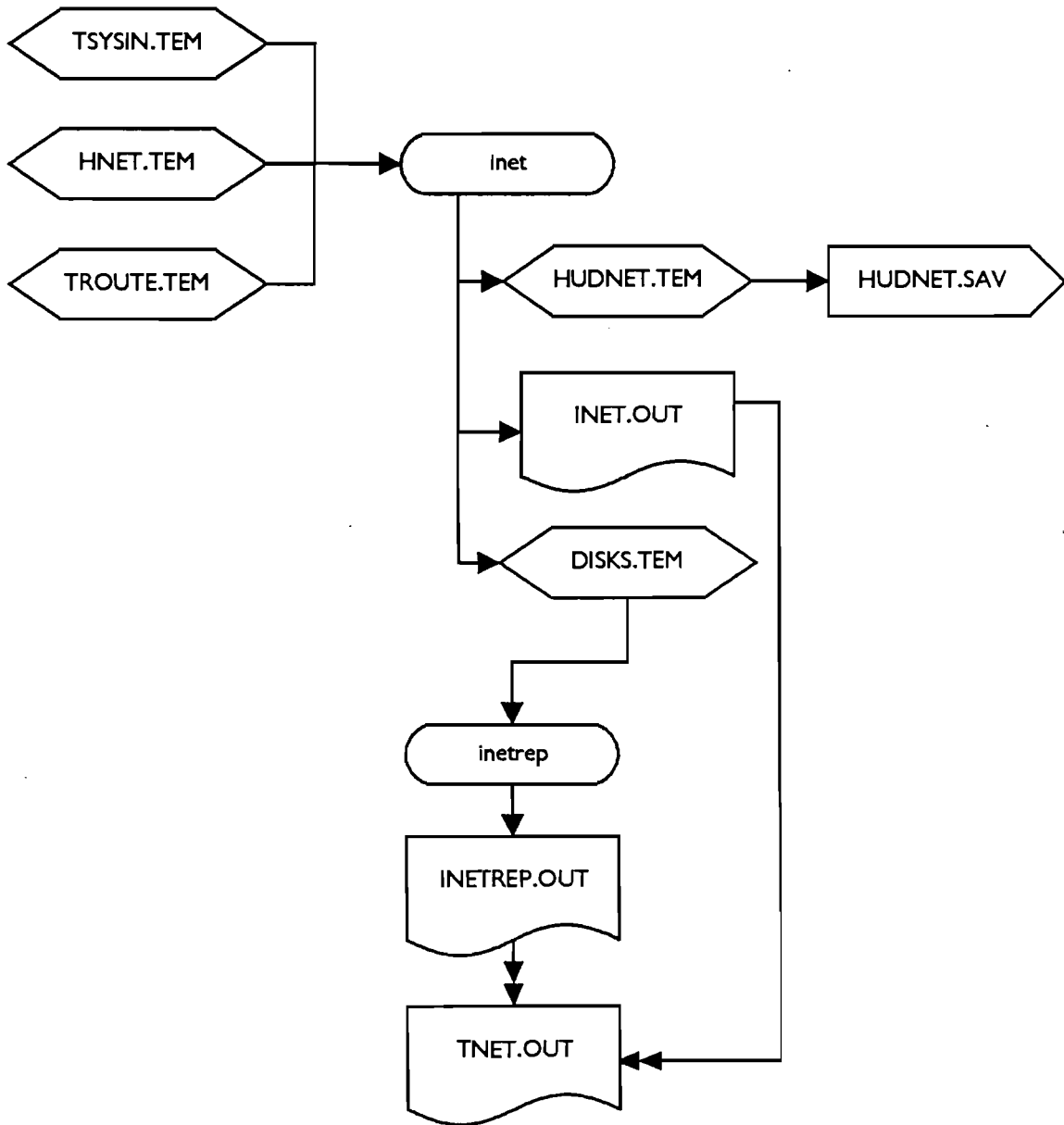
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TRANSIT NETWORK DEVELOPMENT



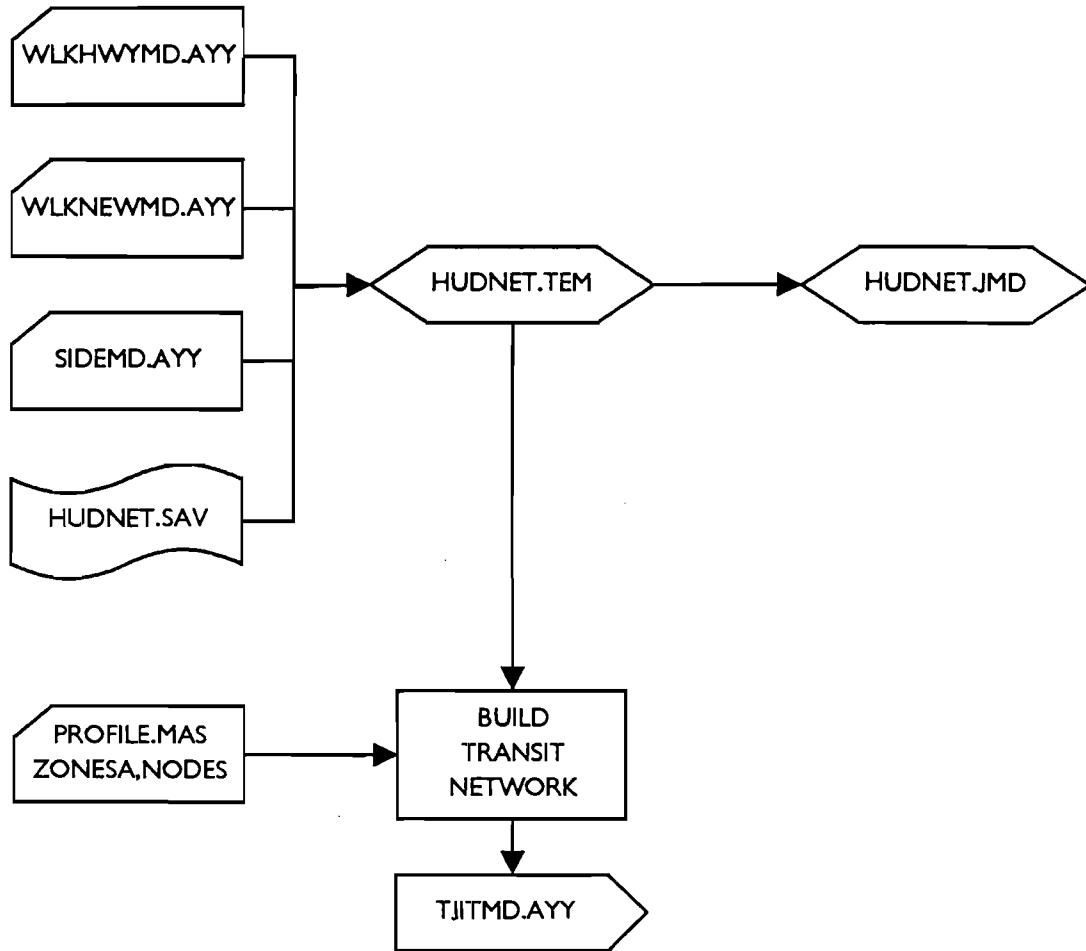
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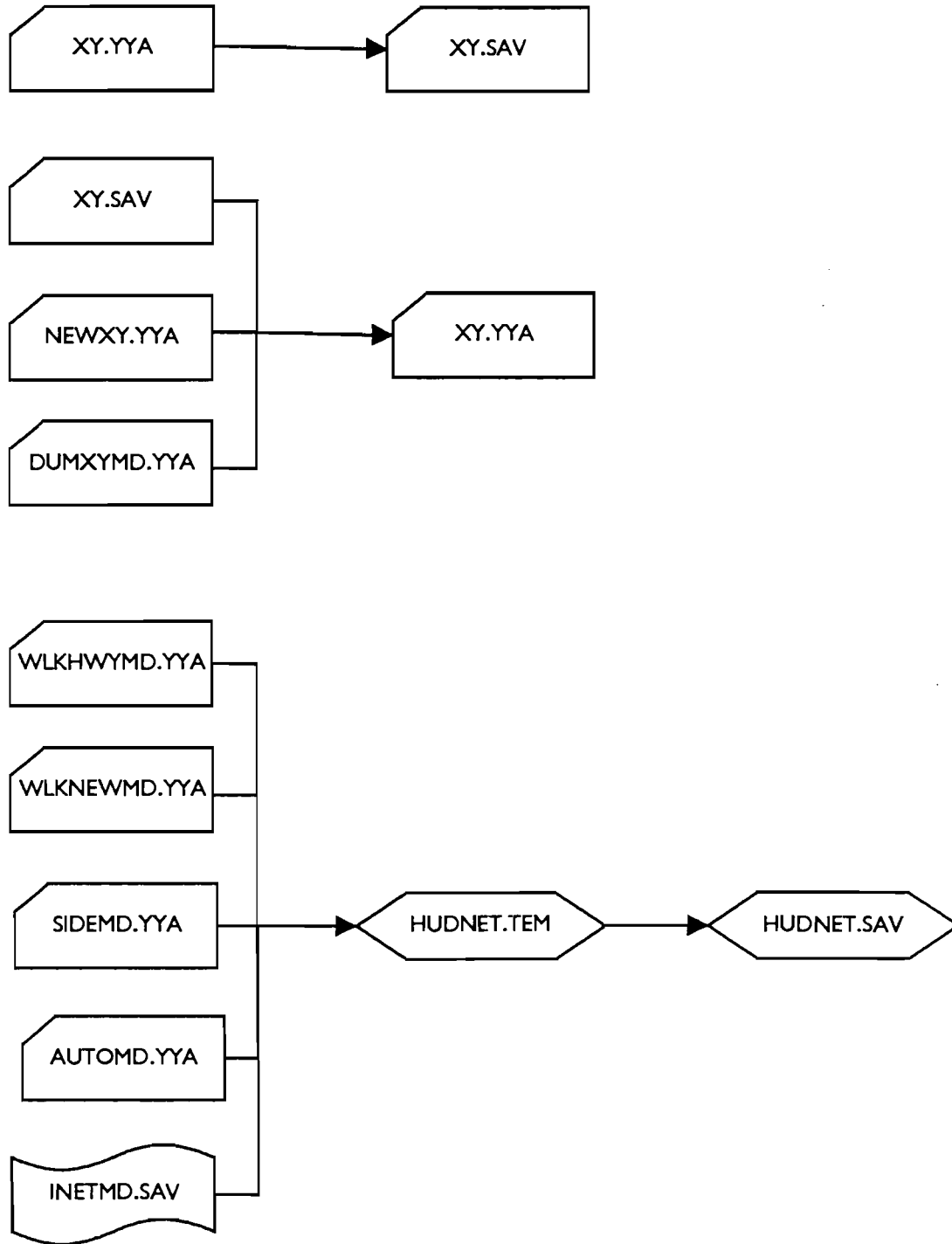
**METRO-DADE MPO
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MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT NETWORK DEVELOPMENT**



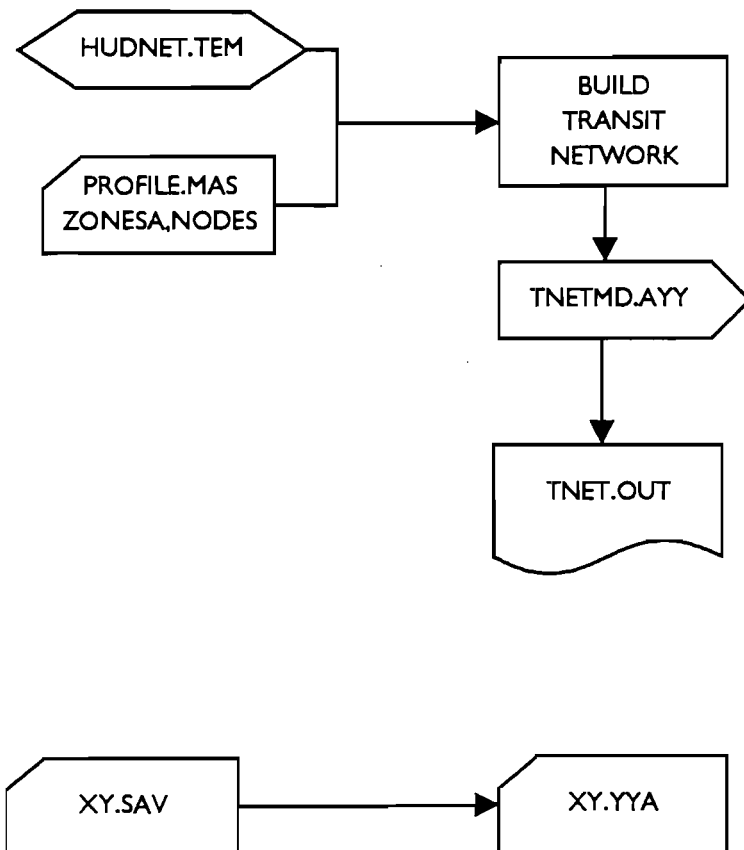
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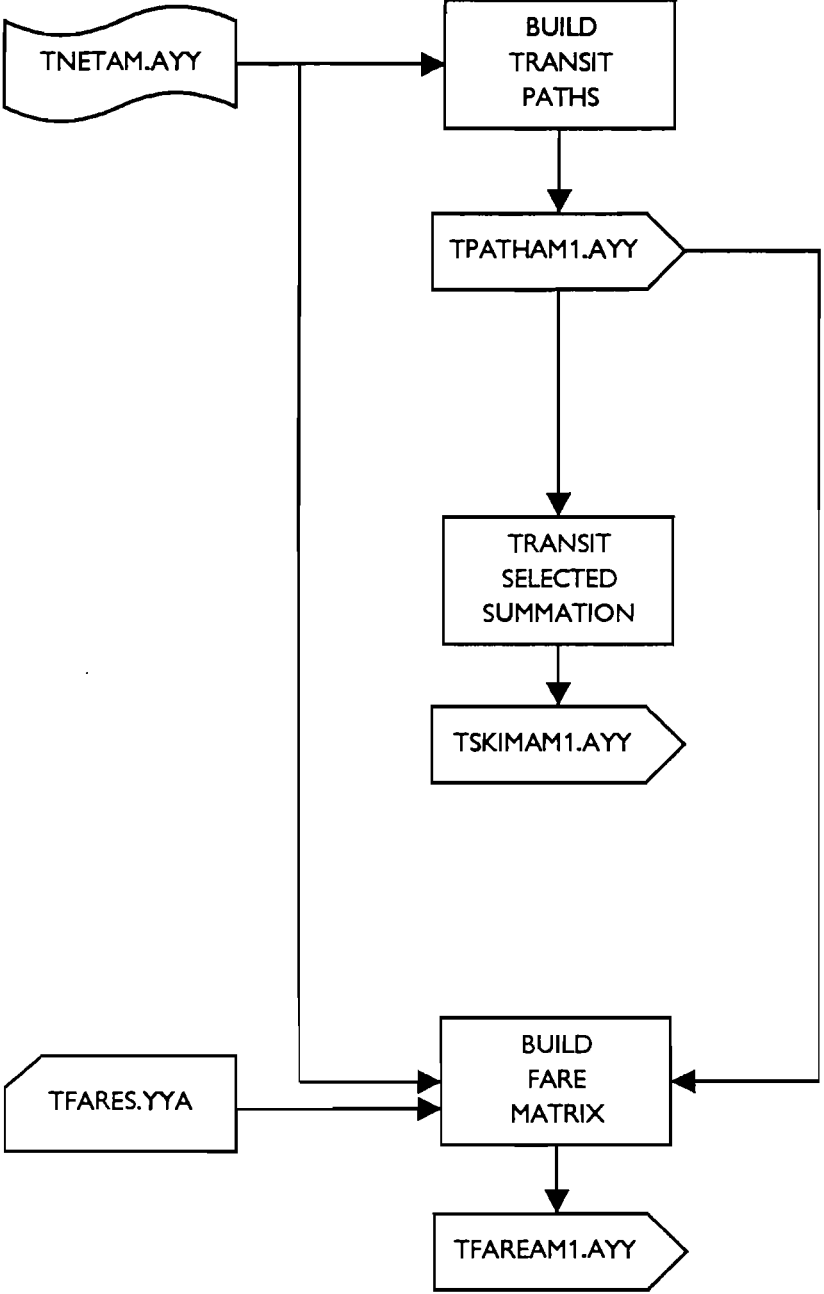
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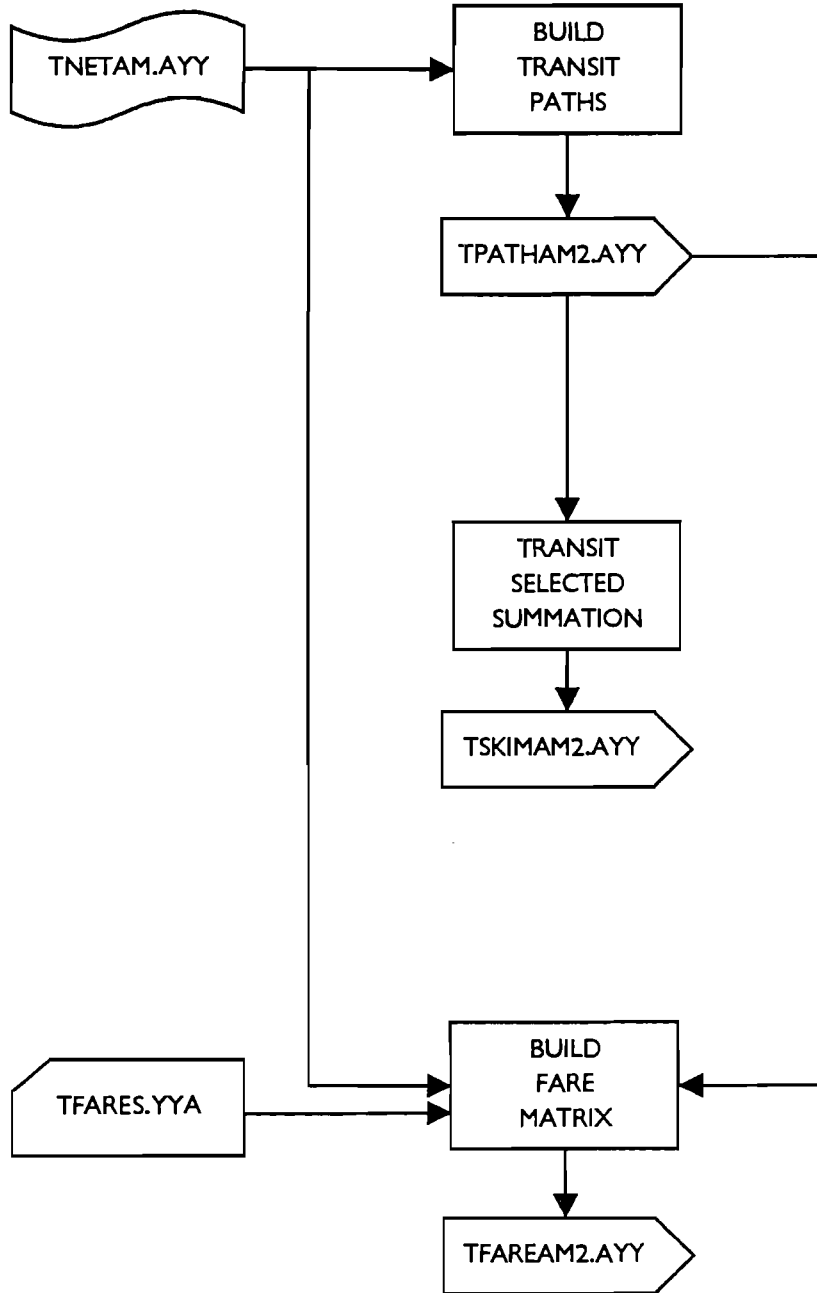
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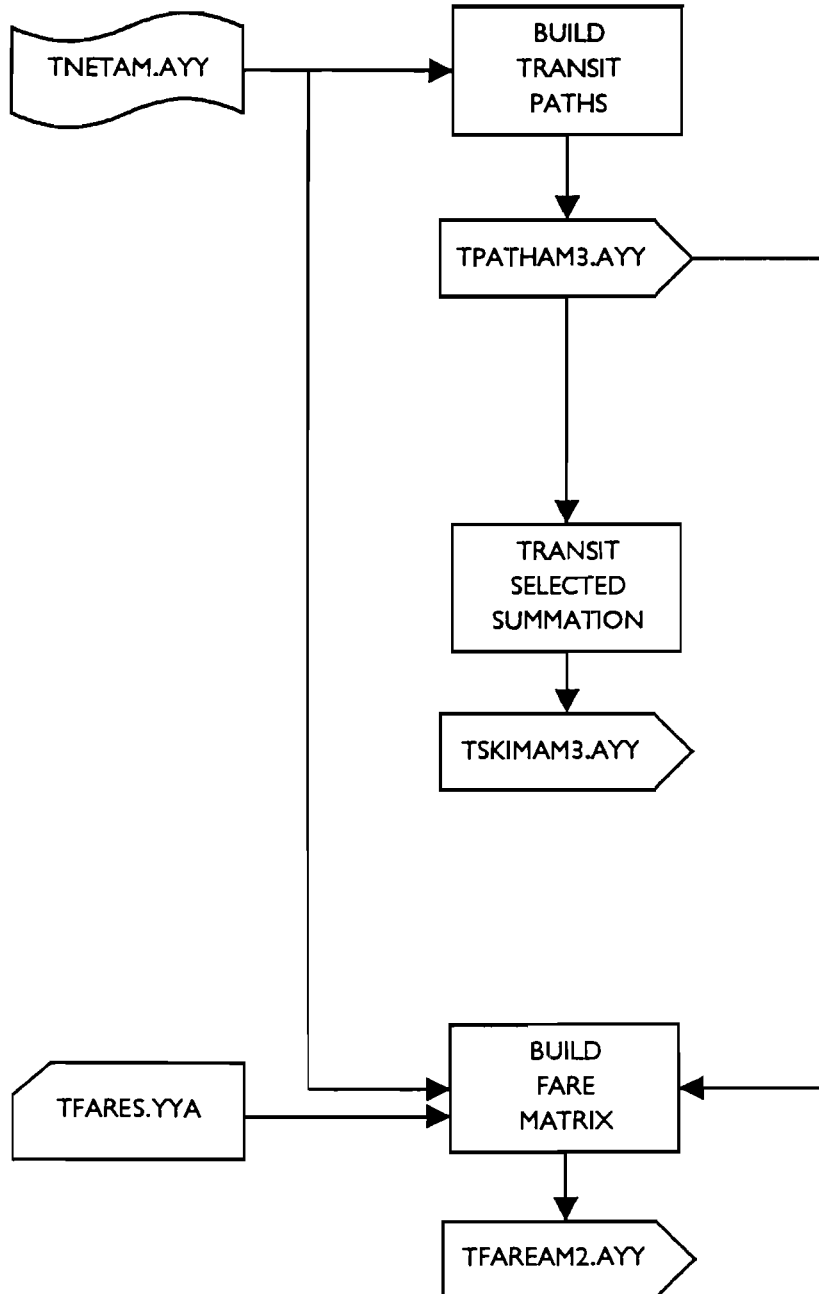
**METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT PATH DEVELOPMENT**



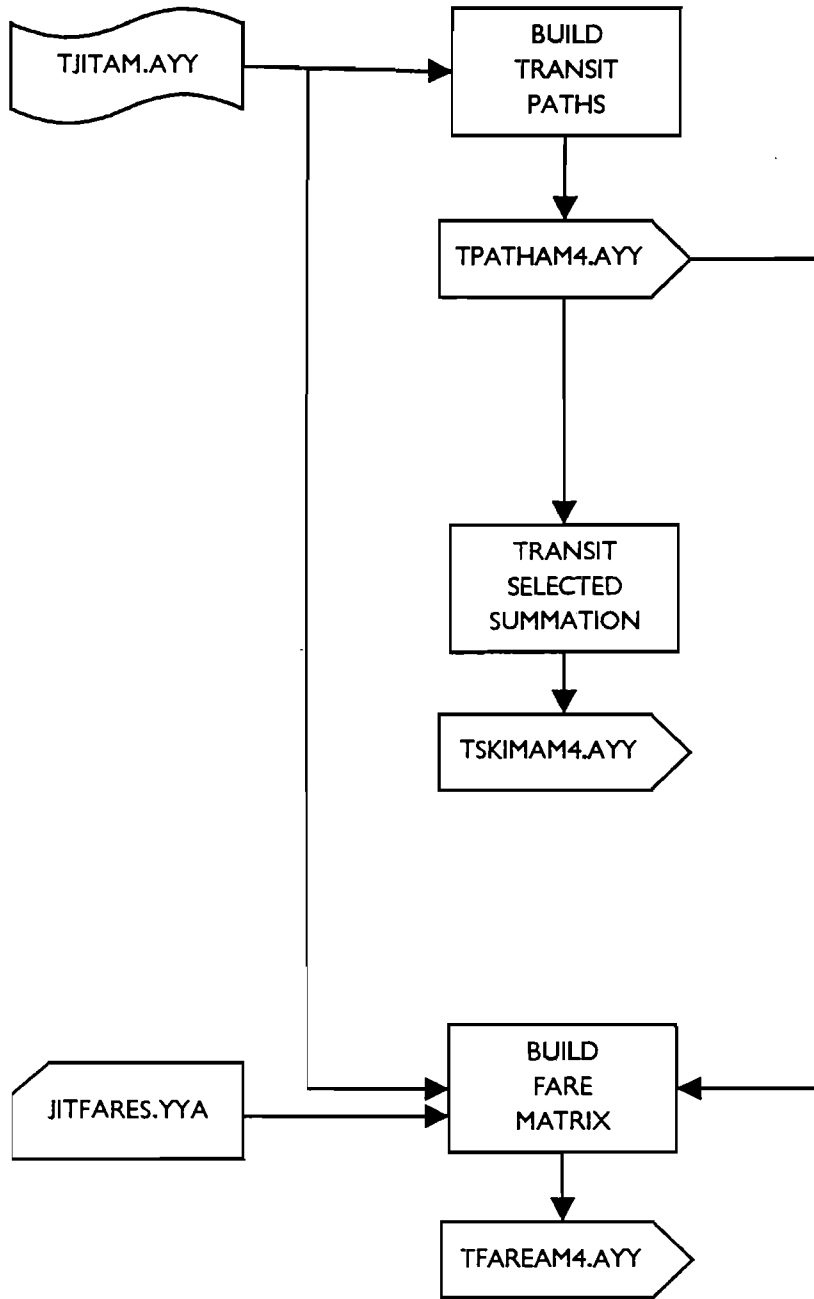
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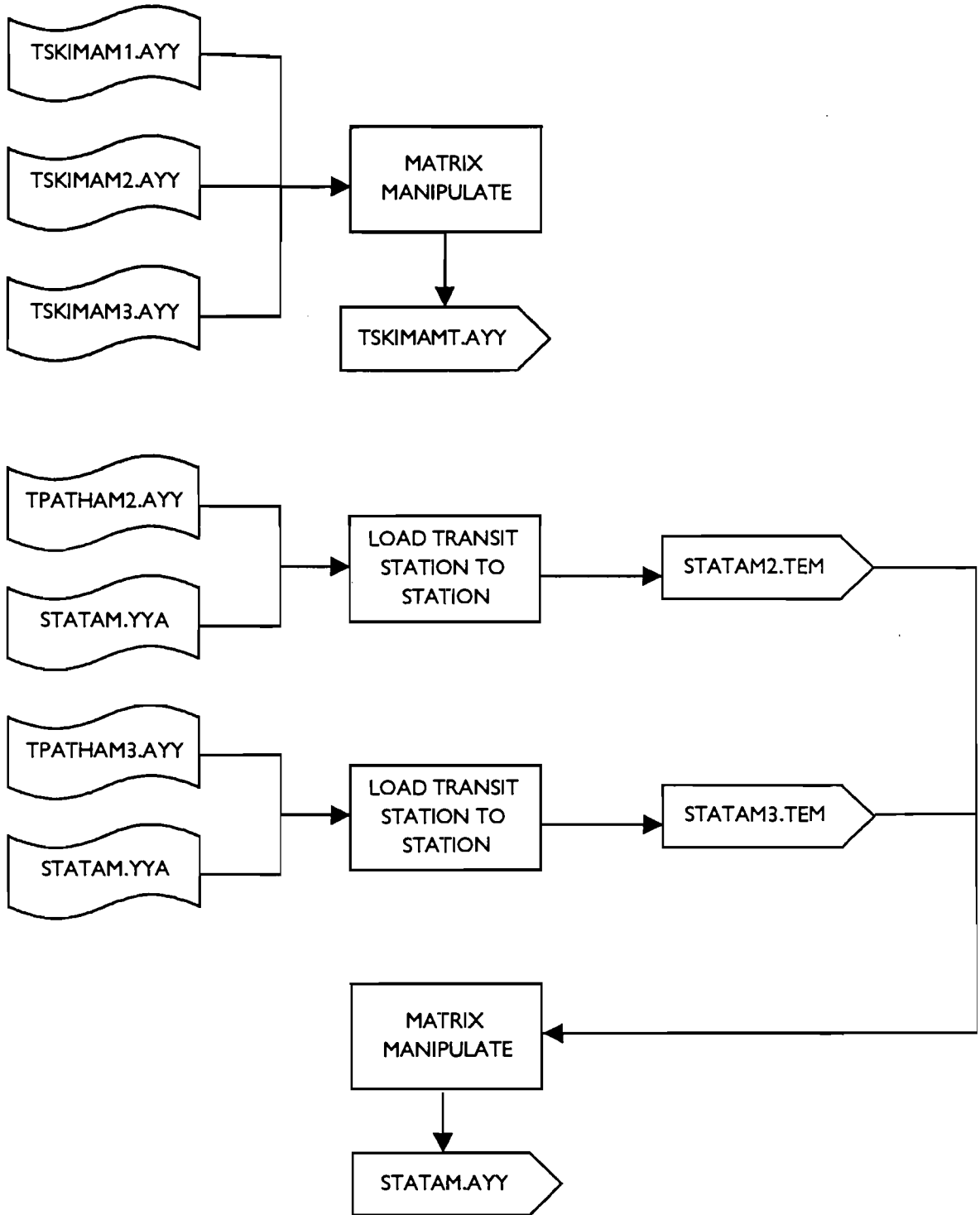
METRO-DADE MPO
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TRANSIT PATH DEVELOPMENT



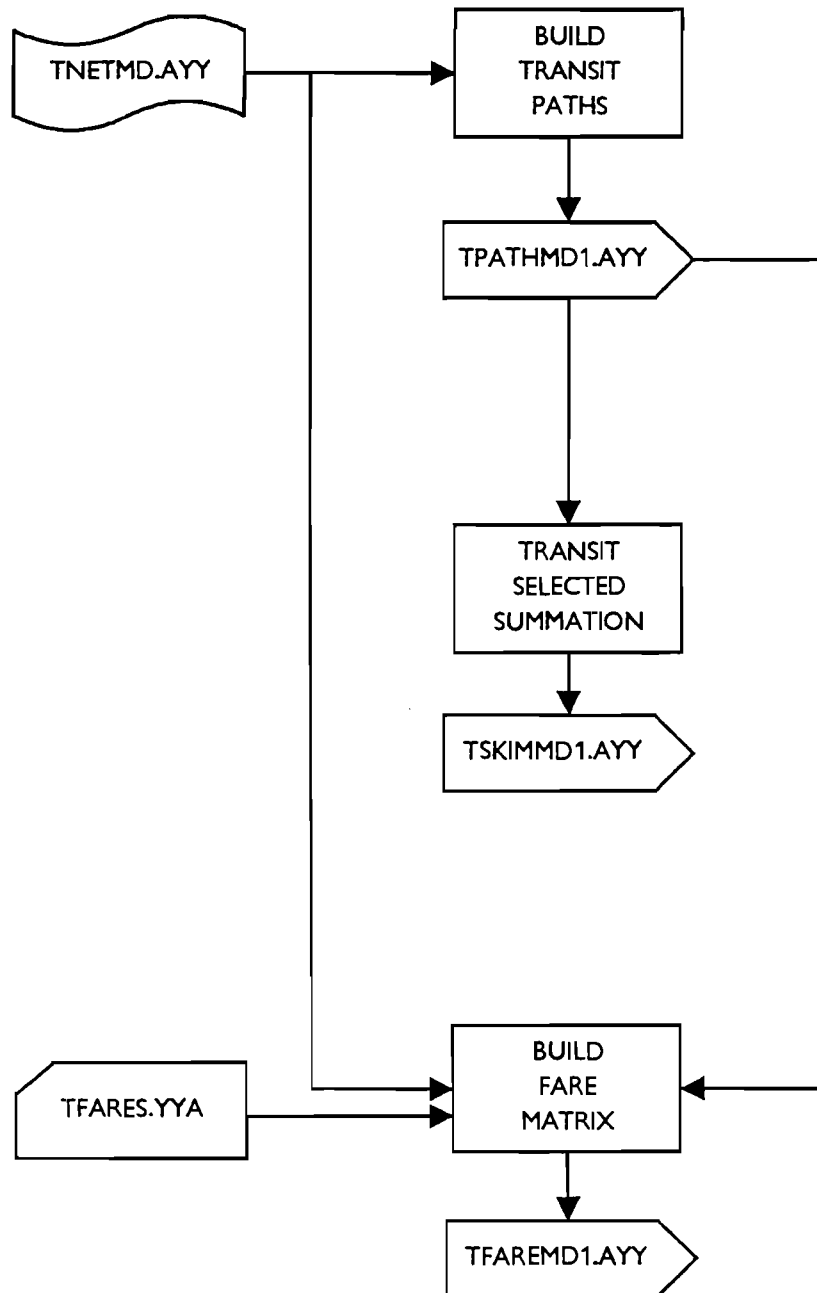
**METRO-DADE MPO
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MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT PATH DEVELOPMENT**



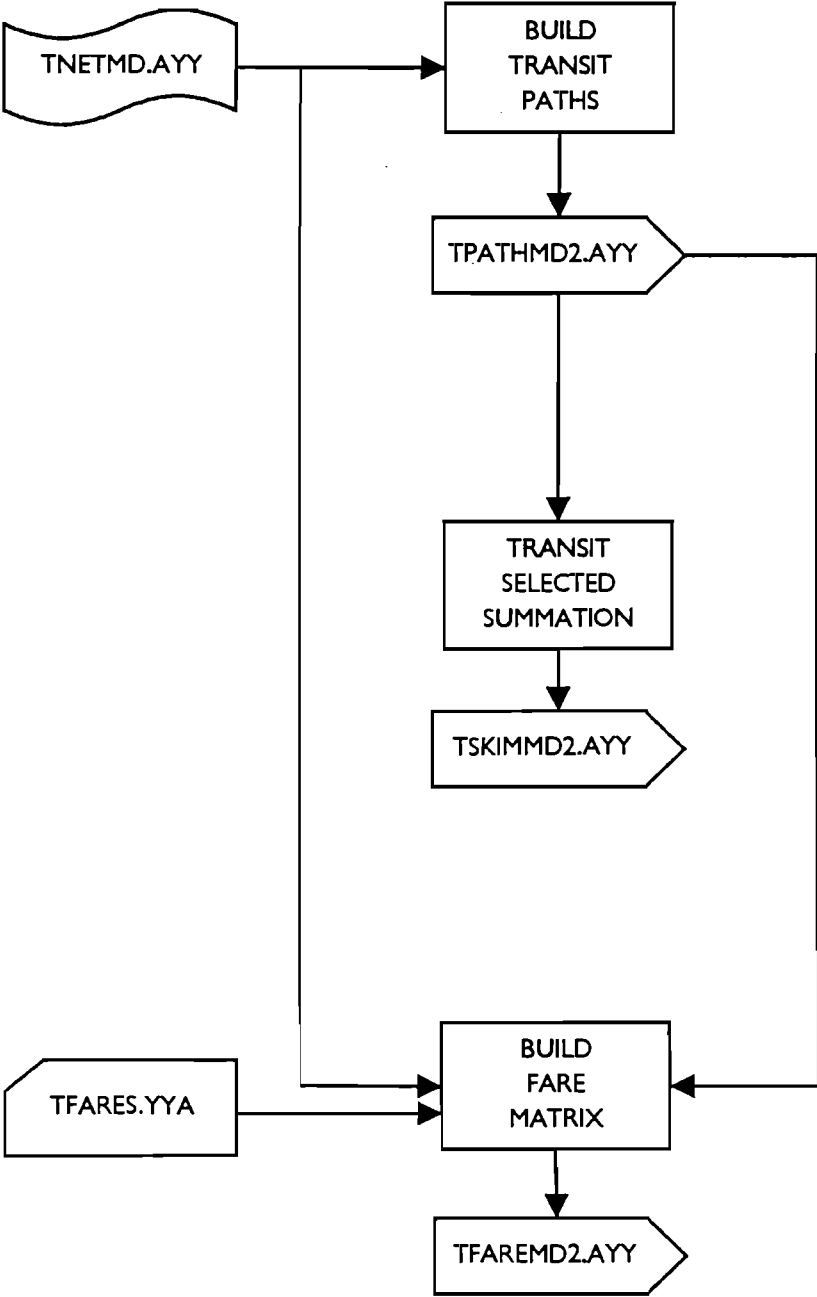
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MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT PATH DEVELOPMENT



METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT PATH DEVELOPMENT



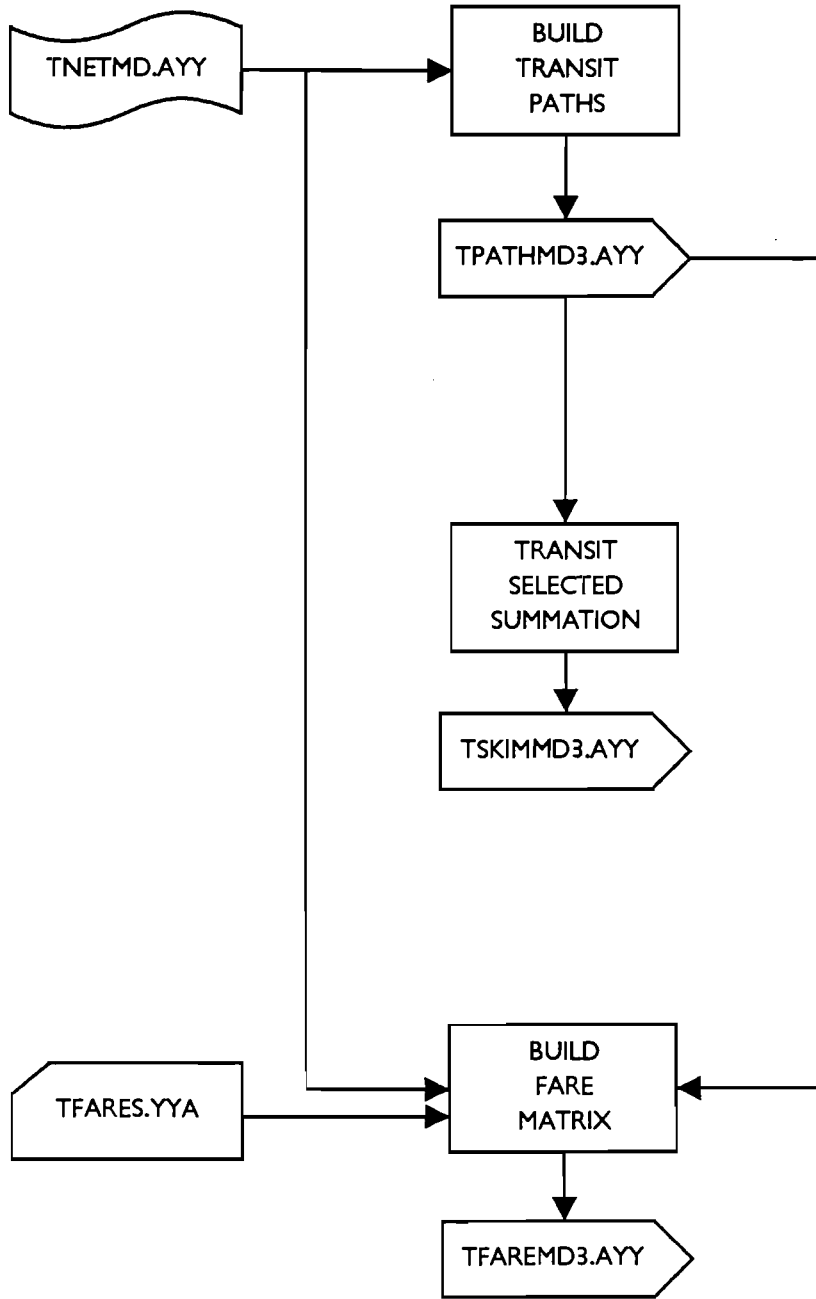
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TRANSIT PATH DEVELOPMENT



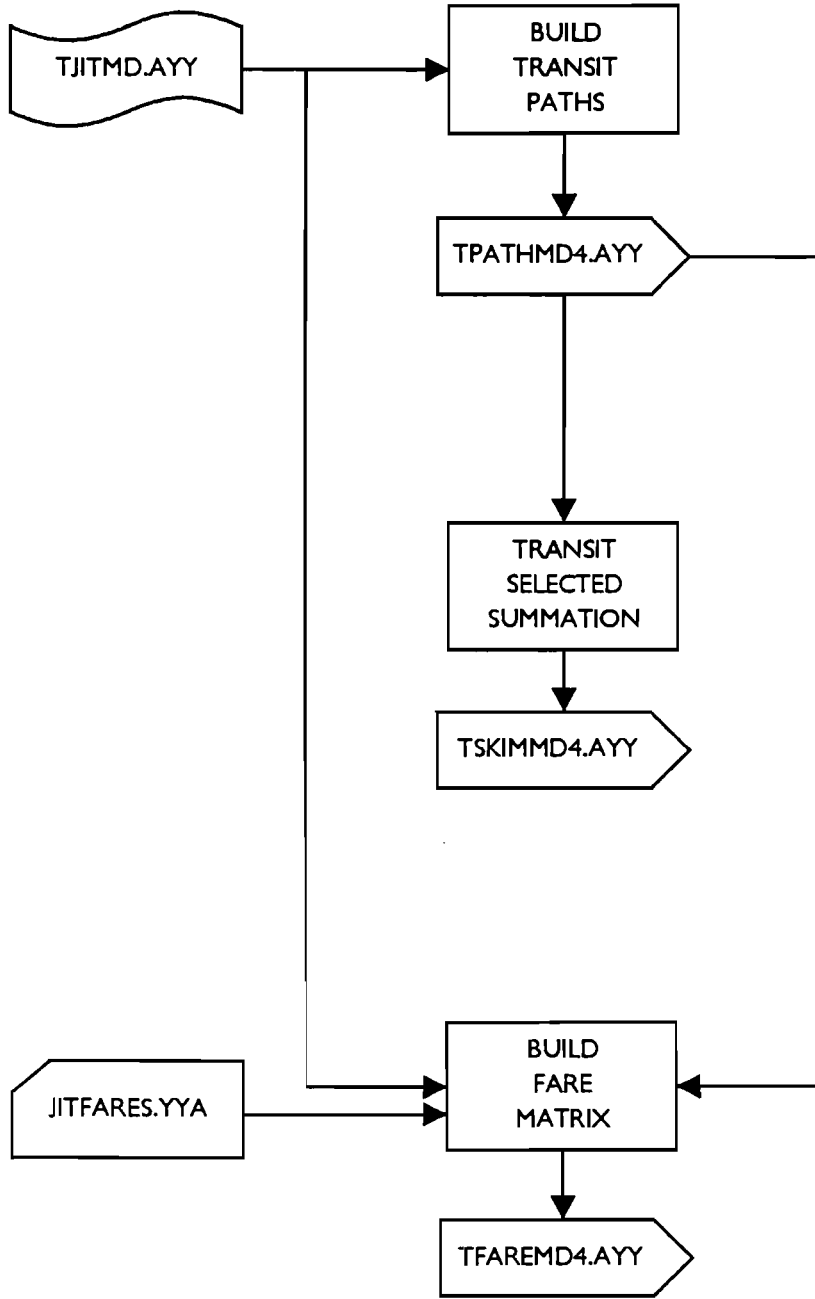
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
TRANSITIONAL ANALYSIS STUDY

TRAVEL DEMAND MODEL

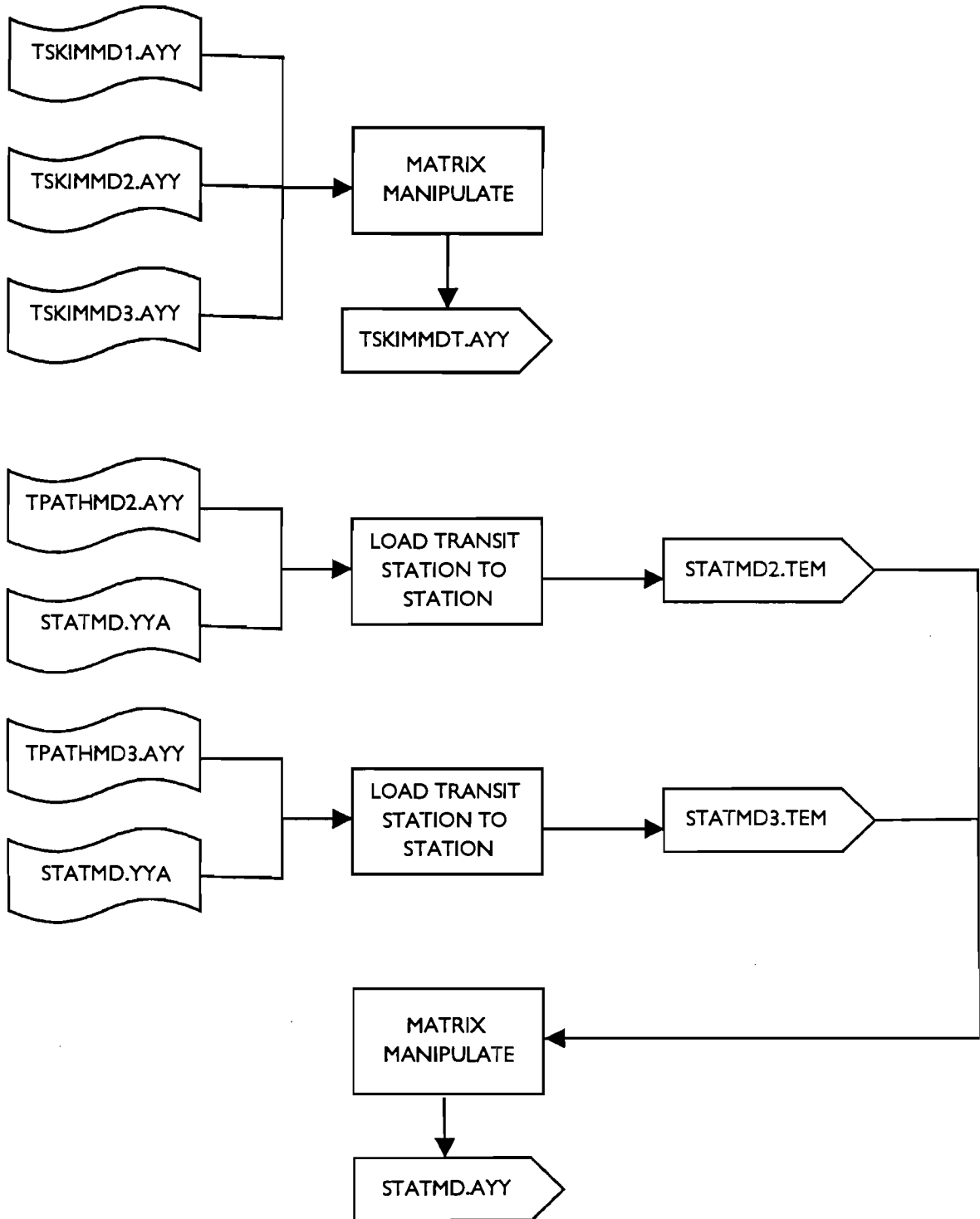
MD TPATH



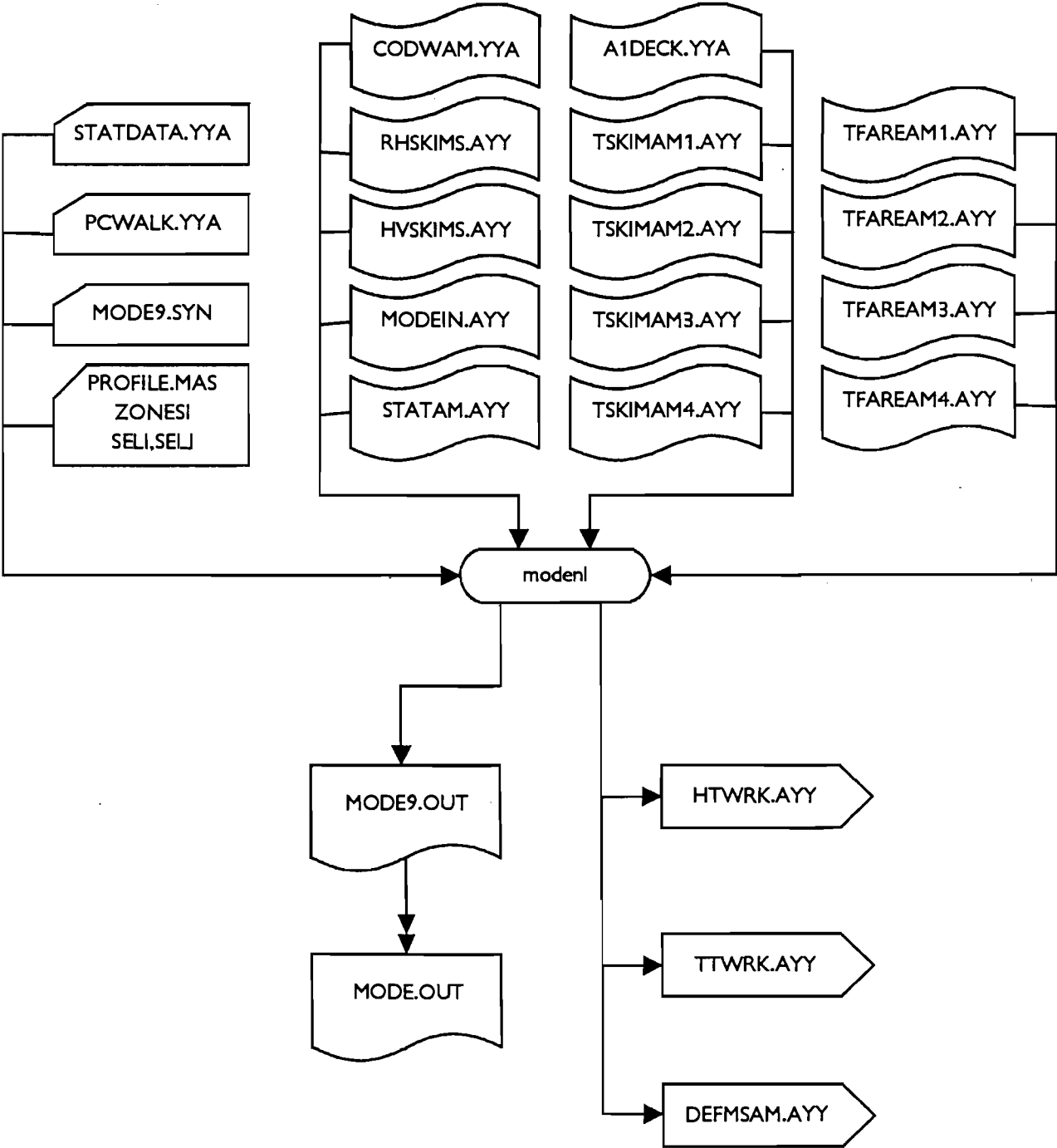
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LONG RANGE TRANSPORTATION PLAN UPDATE
TRANSITIONAL ANALYSIS STUDY
TRAVEL DEMAND MODEL
MD TPATH



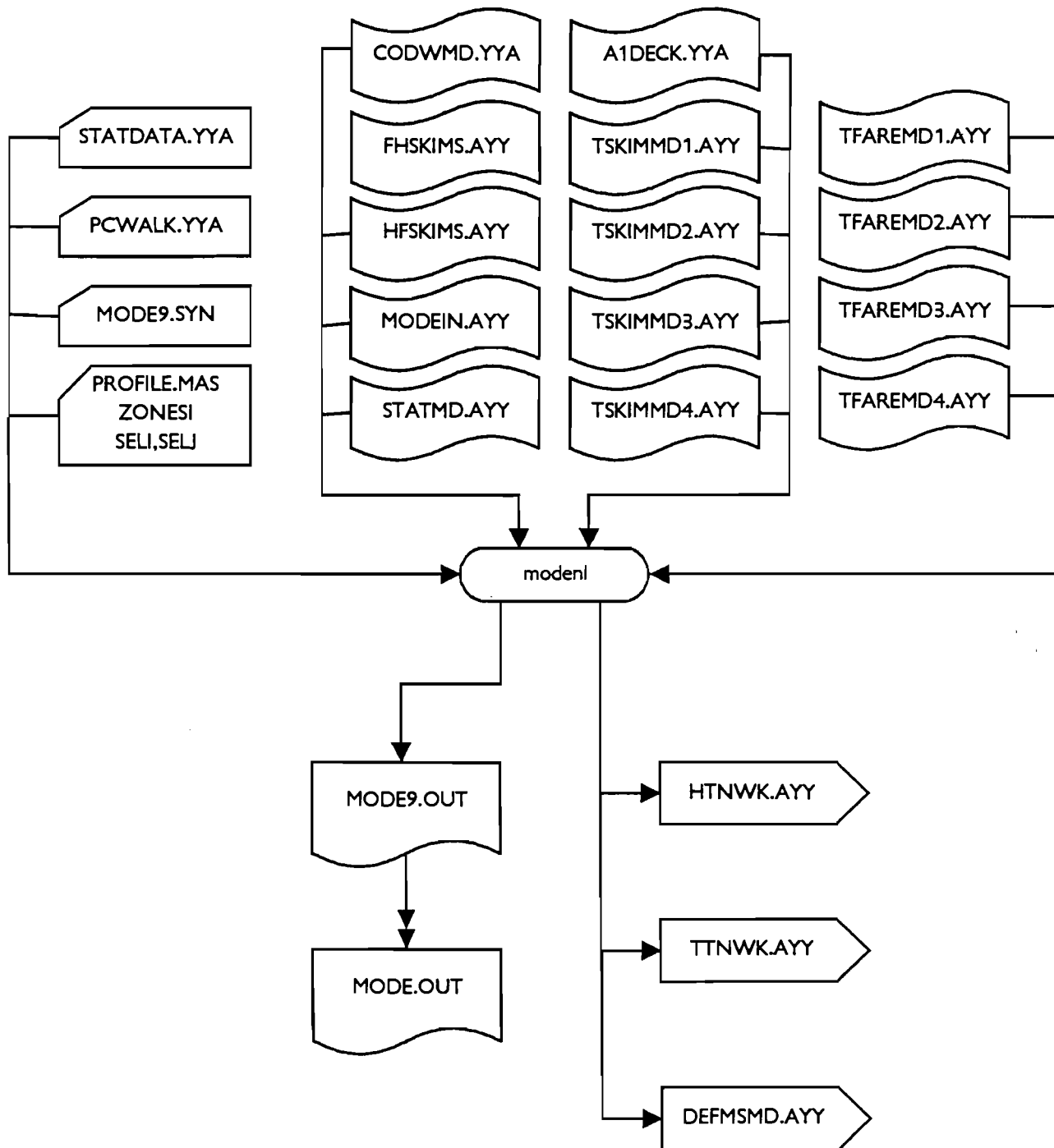
**METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT PATH DEVELOPMENT**



METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
MODE CHOICE

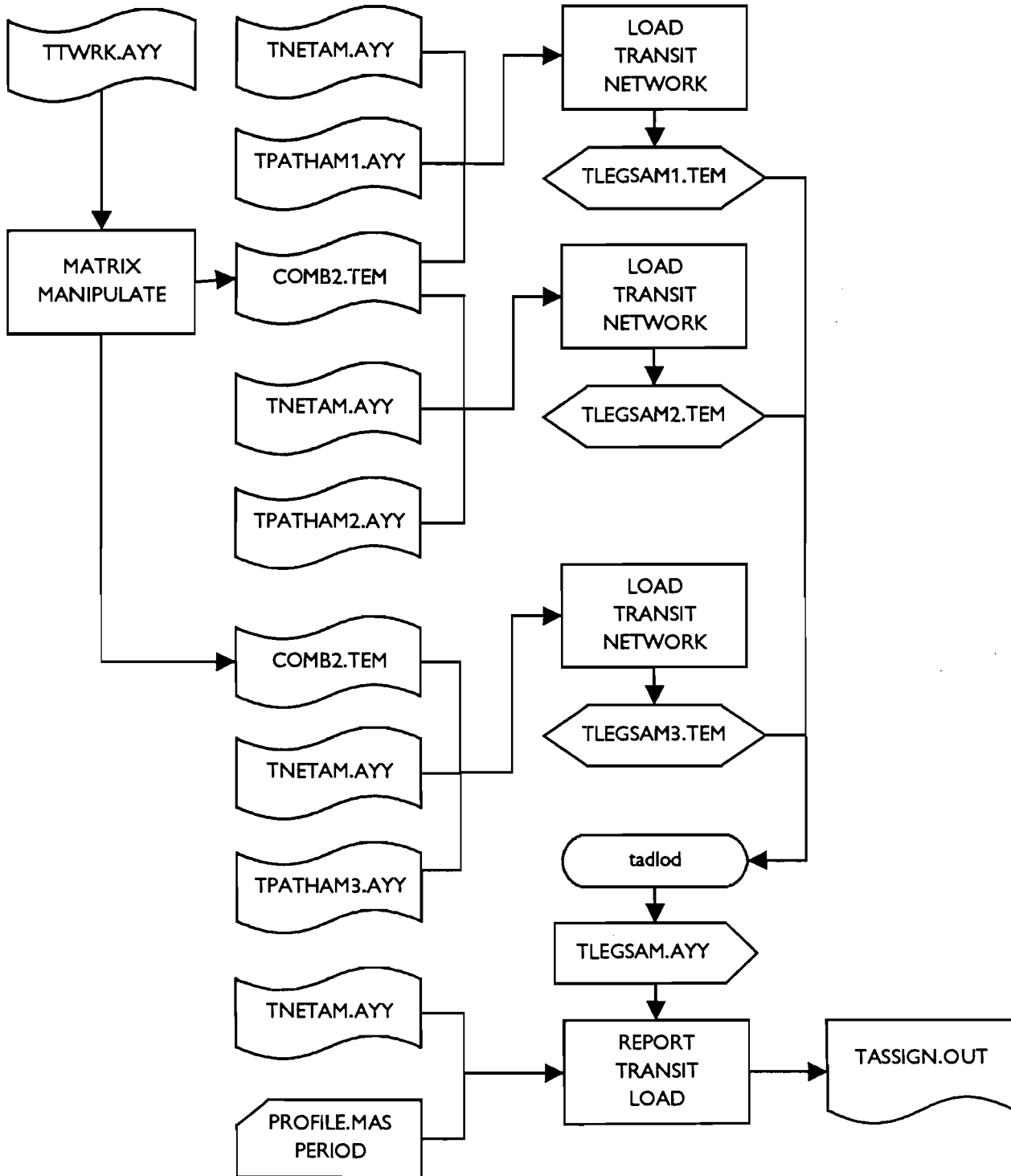


METRO-DADE MPO
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MIAMI TRANSPORTATION PLANNING MODEL
MODE CHOICE



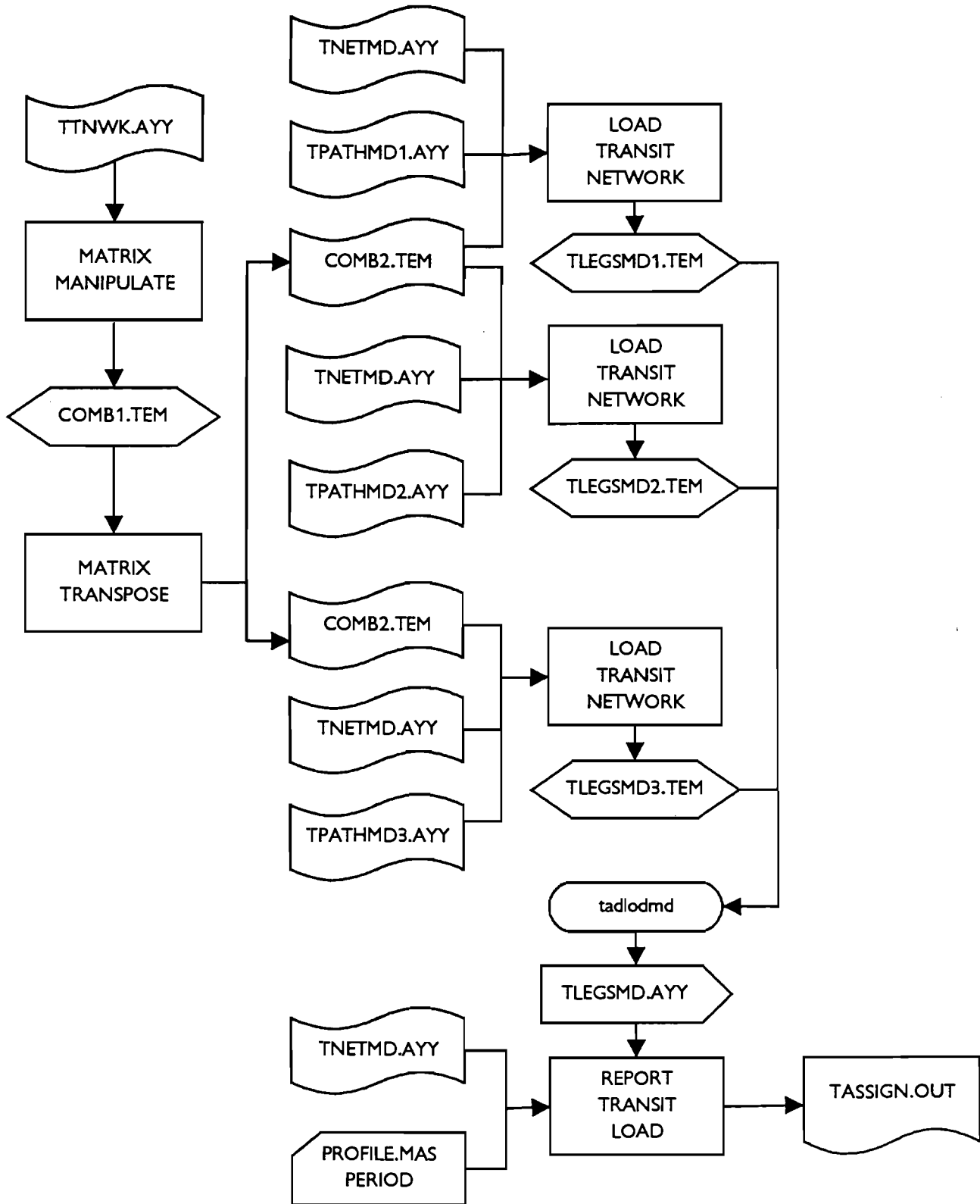
METRO-DADE MPO
 LONG RANGE TRANSPORTATION PLAN UPDATE
 MIAMI TRANSPORTATION PLANNING MODEL

TASSIGN

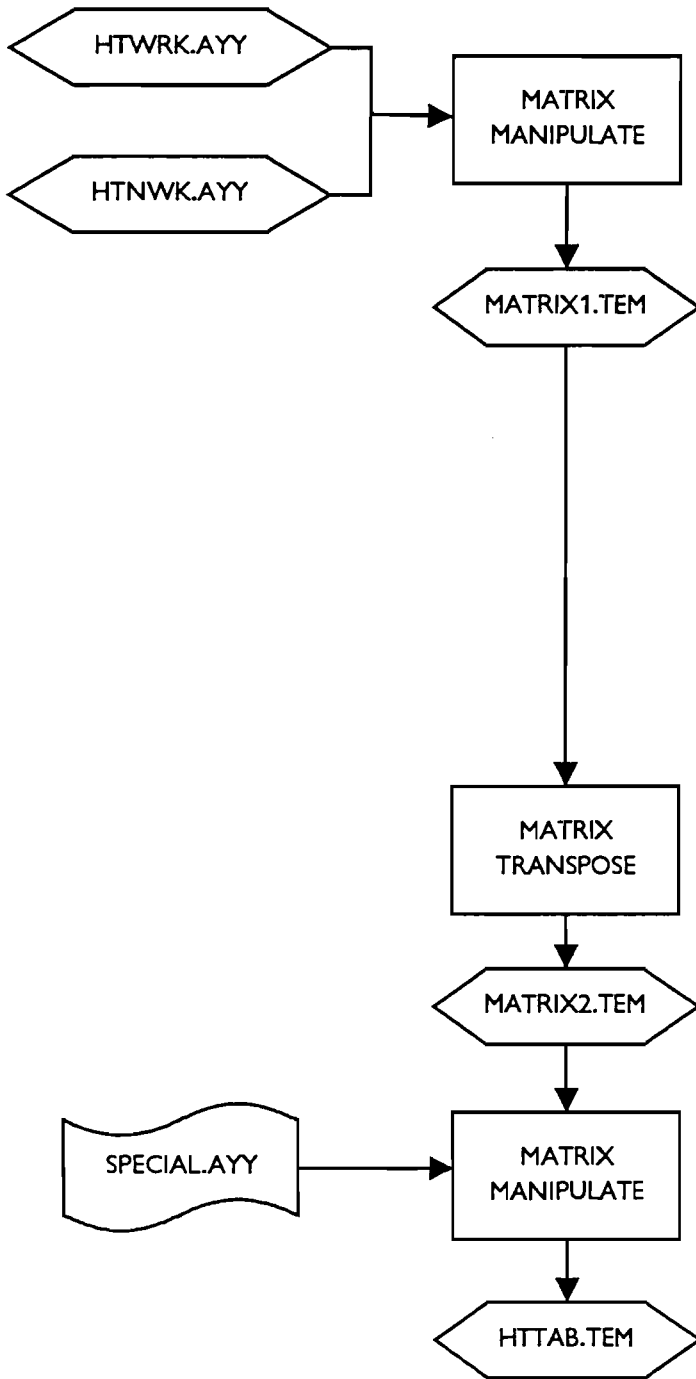


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TASSIGN

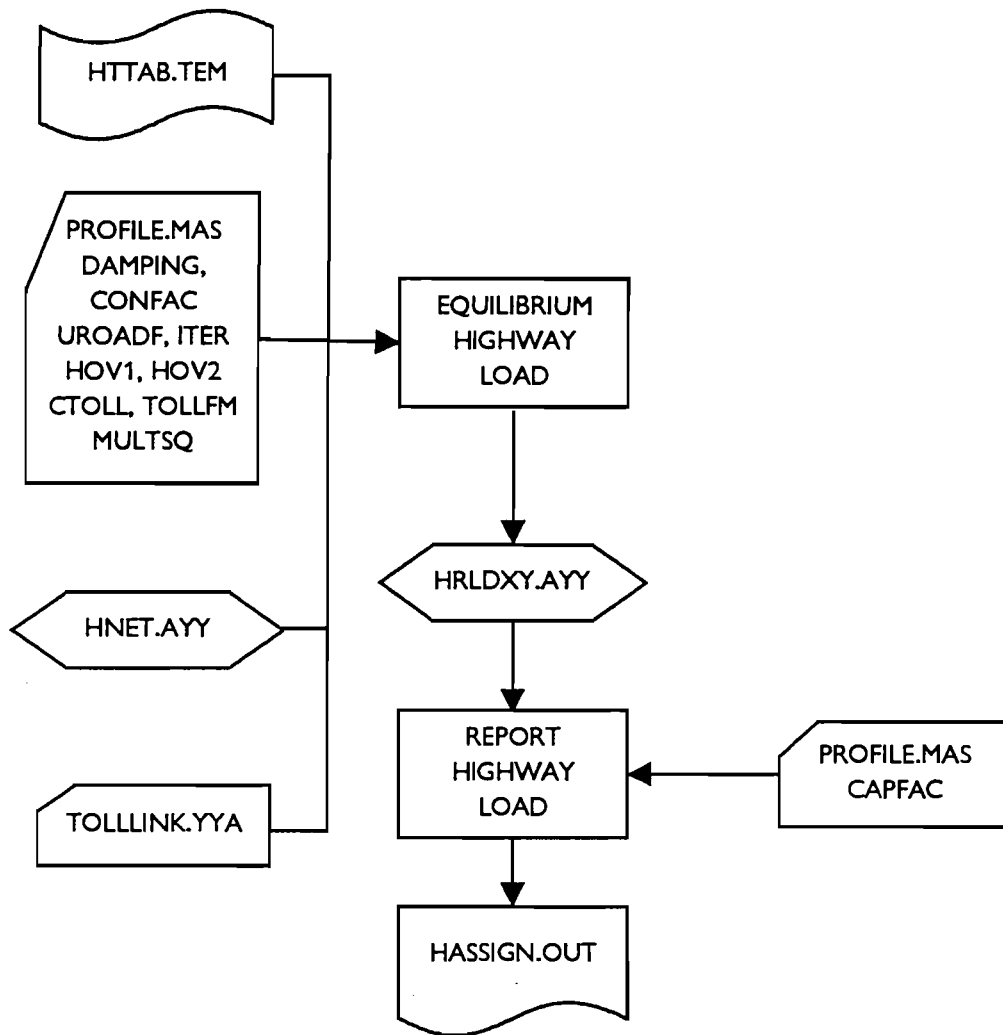


METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
HIGHWAY ASSIGNMENT

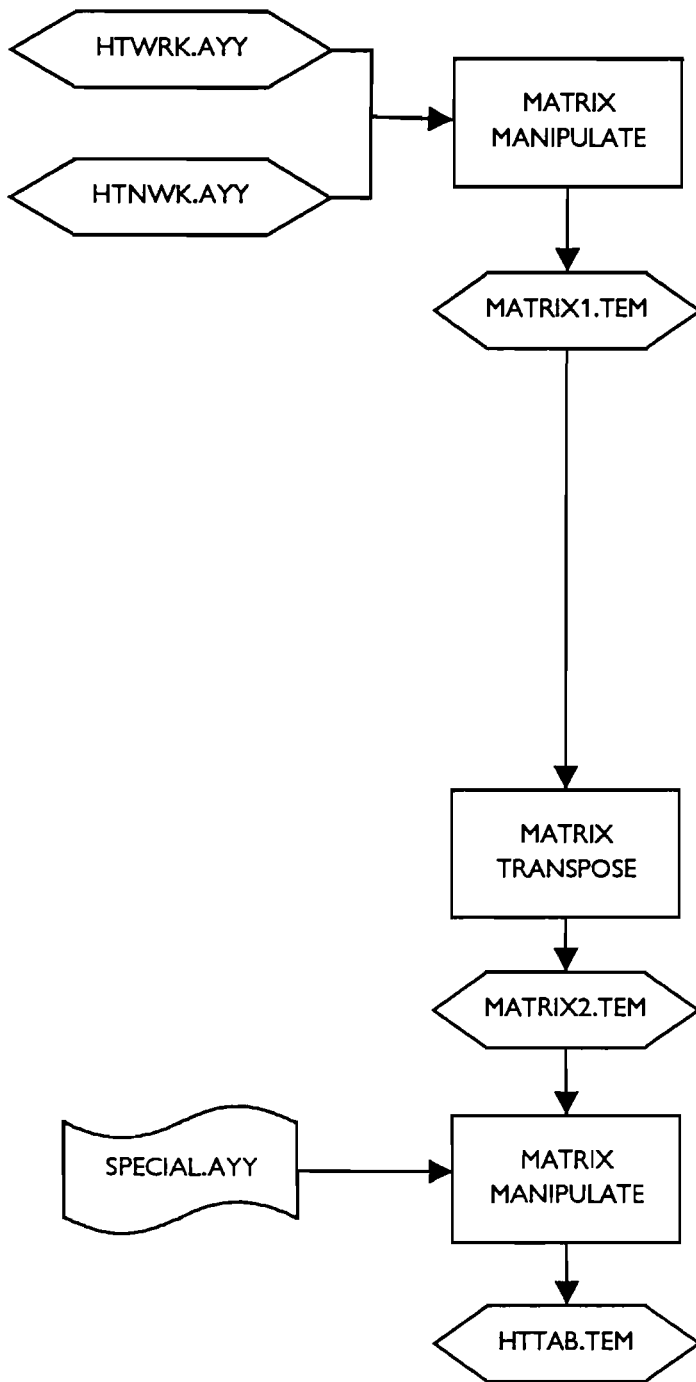


HASSIGN-1

METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
HIGHWAY ASSIGNMENT

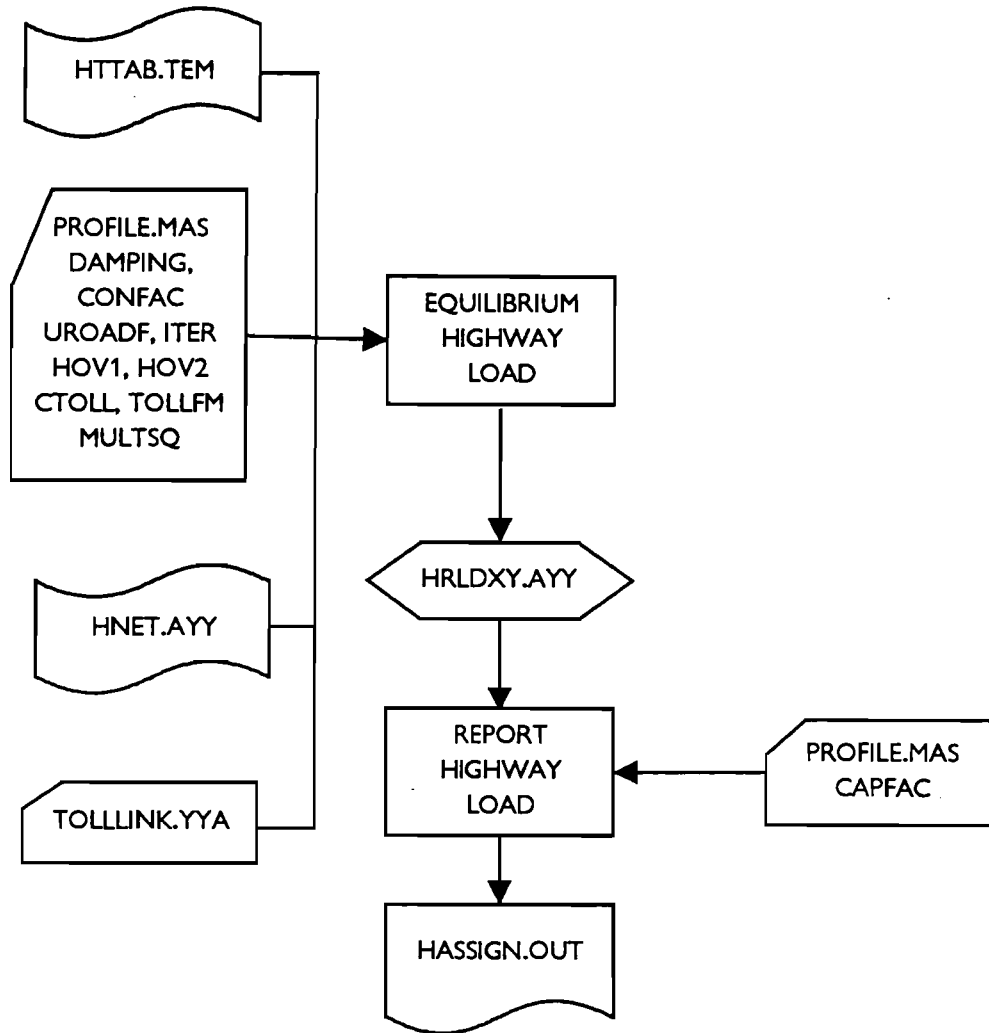


METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
HIGHWAY ASSIGNMENT

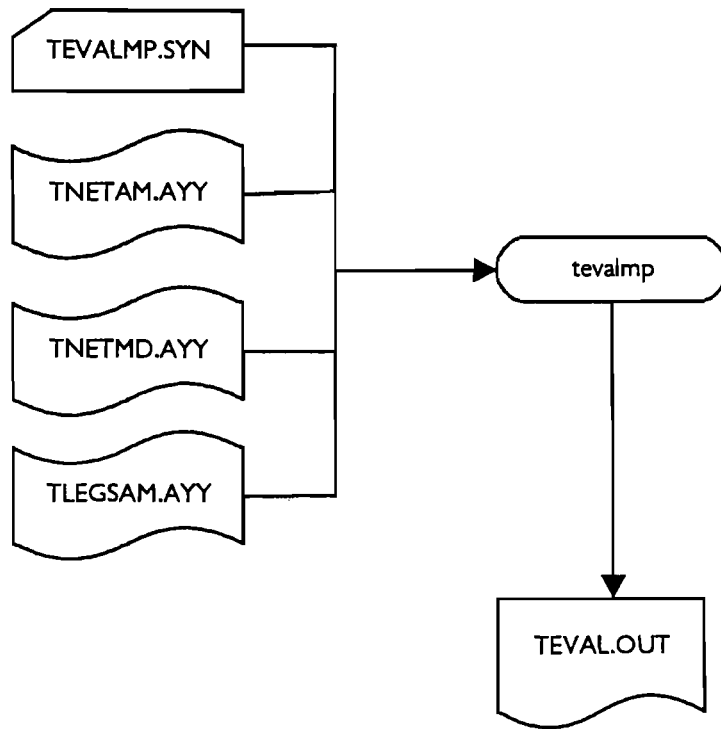


HASSIGN-1

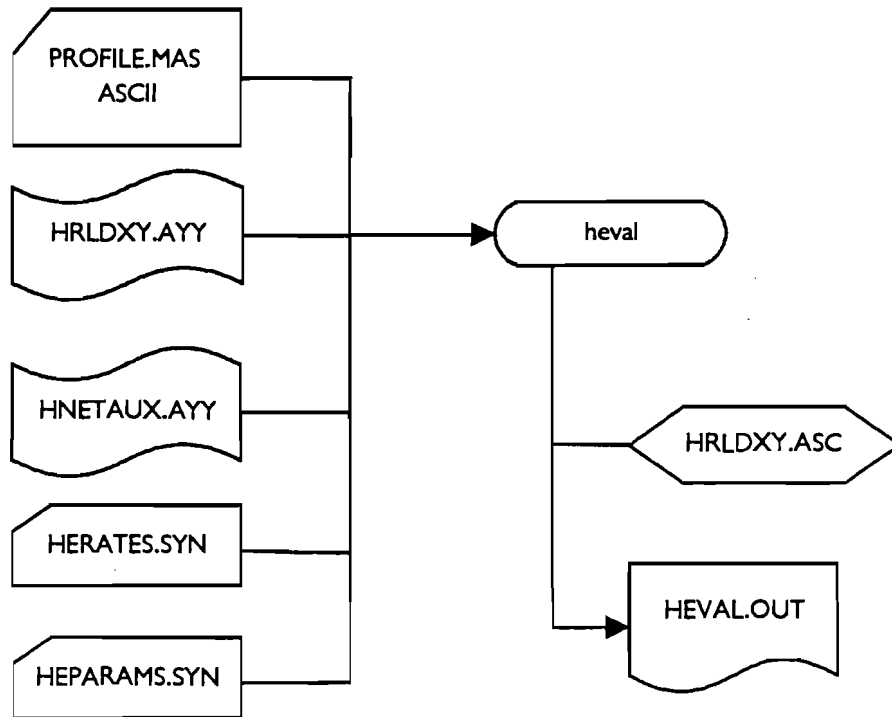
METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
HIGHWAY ASSIGNMENT



METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
TRANSIT EVALUATION

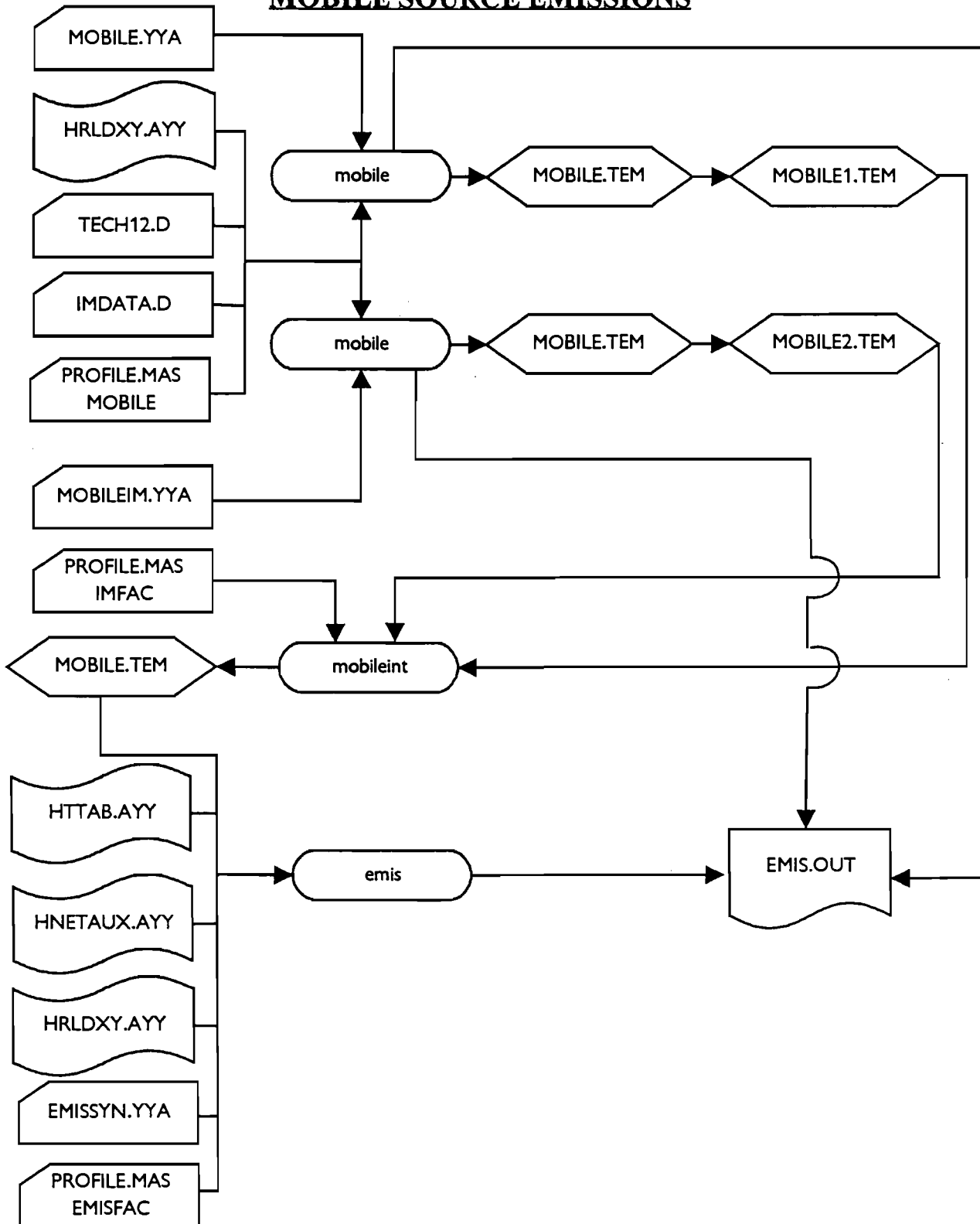


METRO-DADE MPO
LONG RANGE TRANSPORTATION PLAN UPDATE
MIAMI TRANSPORTATION PLANNING MODEL
HIGHWAY EVALUATION



METRO-DADE MPO
 LONG RANGE TRANSPORTATION PLAN UPDATE
 MIAMI TRANSPORTATION PLANNING MODEL

MOBILE SOURCE EMISSIONS



II. USER WRITTEN PROGRAMS

#####

LE: alprep9.f
TIME PRINTED: Sat Dec 16 15:33:15 1995
TIME QUEUED: Sat Dec 16 15:33:14 1995
SENT AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
SERVER TO: =====> wlw <=====

MAIL VALUES:
, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
_), x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

*<*****

PROGRAM A1PREP
IMPLICIT INTEGER*4 (A-Z)

PROGRAM TO CREATE ZONAL A1DECK
ADDITIONAL AREA TYPE - 2/1/92
HBNW SUBPURPOSES - 4/6/93
A1PREP9 VERSION - 9/4/93

PARAMETER (MAXZ=1500)

** DEFINITIONS

CHARACTER*32 LINKS, ZDATA1, ZDATA2, A1DECK, GMA1, GMA2
LOGICAL*2 INFILE
CHARACTER*8 LABEL
INTEGER*4 ZONES, INZN, TERM(5), ZONE, AREA(MAXZ), ANODE, AT
INTEGER*4 ZD1ZN, SFDU, SFVAC1, SFVAC2, SFPOP, SFAUTO(3), MFDU, MFVAC1,
1 MFVAC2, MFPOP, MFAUTO(3), HMDU, HMOCC, HMPOP, VERS, SUBPUR(4), PUR(4),
2 DP1, DP2, DEFPUR(4)
REAL RATES(5, 3, 3, 4), DRANGE(16), DSHARE(17, 5), TPUR
INTEGER*4 SFIDX, MFIDX, HMIDX
REAL SFPPDU, MFPPDU, HMPPDU, XDUM
REAL WKA0, WKA1, WKA2, WKTOT, NWA0, NWA1, NWA2, NWTOT
REAL HMDUM(5), SFMUM(5, 3), MFMUM(5, 3), SFTOT(3), MFTOT(3), HMTOT
REAL SFTRIP, MFTRIP, HMTRIP
INTEGER*4 WKSHA0, WKSHA1, WKSHA2, WKSHT, NWSHA0, NWSHA1, NWSHA2, NWSHT
INTEGER*4 ZD2ZN, PRK3HR, PRK9HR, ZD5ZN, ZD6ZN
CHARACTER*1 EJECT

*** DATA STATEMENTS

DATA LINKS/'LINKS.hin'/
DATA ZDATA1/'ZDATA1.bin'/
DATA ZDATA2/'ZDATA2.bin'/
DATA GMA1/'ATTRS.bot'/
DATA GMA2/'ZDATA5.bin'/
DATA A1DECK/'A1DECK.TEM'/
DATA DRANGE/1.125,1.375,1.625,1.875,2.125,2.375,2.625,2.875,
1 3.125,3.375,3.625,3.875,4.125,4.375,4.625,5.995/
DATA DEFPUR/1000,4000,5000,0000/, INFILE/.TRUE./

OPEN(2, FILE='A1PREP.OUT')
EJECT = CHAR(12)

** READ PARAMETERS

OPEN(16, FILE='PROFILE.MAS', STATUS='OLD', FORM='FORMATTED')

** READ MODEL VERSION

70 READ(16, 2000, END=80) LABEL
00 FORMAT(A8)

IF (LABEL.EQ.'&VERS') READ(16, *) VERS
IF (LABEL.EQ.'&ZONES1') READ(16, *) INZN
IF (LABEL.EQ.'&ZONESA') READ(16, *) ZONES
IF (LABEL.EQ.'&TERM1') READ(16, *) TERM(1)
IF (LABEL.EQ.'&TERM2') READ(16, *) TERM(2)
IF (LABEL.EQ.'&TERM3') READ(16, *) TERM(3)

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IF (LABEL.EQ.'&TERM4') READ (16,*) TERM(4)
IF (LABEL.EQ.'&TERM5') READ (16,*) TERM(5)
GO TO 70
80 CLOSE(16)
CALL GETALT(LINKS, INFILE)
OPEN(11, FILE=LINKS, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(ZDATA1, INFILE)
OPEN(12, FILE=ZDATA1, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(ZDATA2, INFILE)
OPEN(13, FILE=ZDATA2, STATUS='OLD', FORM='FORMATTED')
IF (VERS.EQ.2) THEN
  CALL GETALT(GMA2, INFILE)
  OPEN (15, FILE=GMA2, STATUS='NEW', FORM='FORMATTED')
ENDIF
INFILE = .FALSE.
CALL GETALT(GMA1, INFILE)
OPEN(14, FILE=GMA1, STATUS='OLD', FORM='FORMATTED')
OPEN(21, FILE=A1DECK, STATUS='NEW', FORM='FORMATTED')
WRITE(2,1500) EJECT, VERS, INZN, ZONES, TERM, A1DECK, LINKS, ZDATA1,
1 ZDATA2, GMA1
00 FORMAT(A, ' A1PREP PROGRAM'// ' CITY VERSION = ', I4/
1 ' NUMBER OF ZONES: ', 2I8// ' TERMINAL TIMES : ', 5I8//
2 ' OUTPUT FILE: ', A32// ' HIGHWAY LINK FILE: ', A32/
1 ' ZDATA FILES: ', A32, 2X, A32// ' TRIP ATTRACTION FILE: ', A32)
IF(VERS.EQ.2) WRITE(2,1502) GMA2
502 FORMAT(' SPECIAL ATTRACTION FILE: ', A32, /)

** READ TRIP RATES

OPEN(1, FILE='GRATES.SYN', STATUS='OLD', FORM='FORMATTED')
DO 120 I=1,5
DO 120 J=1,3
DO 120 K=1,3
READ(1,2020) (RATES(I, J, K, L), L=1, 4)
020 FORMAT(12X, 4F4.2)
120 CONTINUE
CLOSE(1)

*** READ DU WEIGHTS

OPEN(1, FILE='DUWEIGHT.SYN', STATUS='OLD', FORM='FORMATTED')
DO 130 I=1,17
READ(1,2030) (DSHARE(I, J), J=1, 5)
30 FORMAT(5F4.2)
130 CONTINUE
CLOSE(1)

** READ AREA CODES

OPEN(1, FILE='CBDZONES.SYN', STATUS='OLD', FORM='FORMATTED')
40 READ(1,2050,END=150) ZONE
050 FORMAT(BN, I4)
IF(ZONE.LT.1 .OR. ZONE.GT.INZN) STOP 32
AREA(ZONE)=1
GOTO 140
150 CLOSE(1)
OPEN(1, FILE='EXURBS.SYN', FORM='FORMATTED')
60 READ(1,2050,END=170) ZONE
IF(ZONE.LT.1 .OR. ZONE.GT.INZN) STOP 32
AREA(ZONE)=2

```

```

GOTO 160
170 CLOSE(1)

** READ LINK RECORD

ZONE=0
00 READ(11,2100,END=990) ANODE,AT
-00 FORMAT(2X,I5,12X,I1,52X)

** ESTABLISH TERMINAL TIME

IF(ANODE.GT.ZONES) GOTO 200
IF(ANODE.EQ.ZONE) GOTO 200
ZONE=ANODE

*** READ ZDATA1 RECORD

WKSHA0=0
WKSHA1=0
WKSHA2=0
NWSHA0=0
NWSHA1=0
NWSHA2=0
SFPPDU=0.0
MFPPDU=0.0
HMPPDU=0.0
IF(ZONE.GT.INZN) GOTO 220
READ(12,2200) ZD1ZN,SFDU,SFVAC1,SFVAC2,SFPOP,SFAUTO,
1 MFDU,MFVAC1,MFVAC2,MFPOP,MFAUTO,HMDU,HMOCC,HMPOP
-00 FORMAT(4X,I4,2(I5,2I3,I5,3I3),I5,I3,I5)
IF(ZONE.NE.ZD1ZN) STOP 33
WKA0=0.0
WKA1=0.0
WKA2=0.0
WKTOT=0.0
NWA0=0.0
NWA1=0.0
NWA2=0.0
NWTOT=0.0
XDUM=SFDU*(1.0-0.01*SFVAC1)
IF(XDUM.GT.0.0) SFPPDU=1.0*SFPOP/XDUM
XDUM=MFDU*(1.0-0.01*MFVAC1)
IF(XDUM.GT.0.0) MFPPDU=1.0*MFPOP/XDUM
XDUM=HMDU*0.01*HMOCC
IF(XDUM.GT.0.0) HMPPDU=1.0*HMPOP/XDUM
SFIDX=1
MFIDX=1
HMIDX=1
DO 210 I=1,16
IF(SFPPDU.GT.DRANGE(I)) SFIDX=I+1
IF(MFPPDU.GT.DRANGE(I)) MFIDX=I+1
IF(HMPPDU.GT.DRANGE(I)) HMIDX=I+1
210 CONTINUE
DO 211 I=1,5
HMDUM(I)=1.0*HMDU*0.01*HMOCC*DSHARE(HMIDX,I)
DO 211 J=1,3
SFDUM(I,J)=0.01*SFDU*(1.0-0.01*SFVAC2)*SFAUTO(J)*DSHARE(SFIDX,I)
MFDUM(I,J)=0.01*MFDU*(1.0-0.01*MFVAC2)*MFAUTO(J)*DSHARE(MFIDX,I)
211 CONTINUE
DO 214 L=1,4

```

```

HMTOT=0.0
DO 205 J=1,3
SFTOT(J)=0.0
MFTOT(J)=0.0
205 CONTINUE
DO 212 I=1,5
HMTRIP=RATES(I,2,3,L)*HMDUM(I)
HMTOT=HMTOT+HMTRIP
DO 212 J=1,3
SFTRIP=RATES(I,J,1,L)*SFDUM(I,J)
MFTRIP=RATES(I,J,2,L)*MFDUM(I,J)
SFTOT(J)=SFTOT(J)+SFTRIP
MFTOT(J)=MFTOT(J)+MFTRIP
12 CONTINUE
IF(L.EQ.1) THEN
WKA0=SFTOT(1)+MFTOT(1)
WKA1=SFTOT(2)+MFTOT(2)+HMTOT
WKA2=SFTOT(3)+MFTOT(3)
WKTOT=WKA0+WKA1+WKA2
ELSE
NWA0=NWA0+SFTOT(1)+MFTOT(1)
NWA1=NWA1+SFTOT(2)+MFTOT(2)+HMTOT
NWA2=NWA2+SFTOT(3)+MFTOT(3)
NWTOT=NWA0+NWA1+NWA2
ENDIF
214 CONTINUE
IF(WKTOT.EQ.0) GOTO 215
WKSHA0=100.0*WKA0/WKTOT+0.5
WKSHA1=100.0*WKA1/WKTOT+0.5
WKSHA2=100.0*WKA2/WKTOT+0.5
WKSHT=WKSHA0+WKSHA1+WKSHA2
IF(WKSHT.NE.100) THEN
IF(WKSHA0.GT.WKSHA1) THEN
IF(WKSHA0.GT.WKSHA2) THEN
WKSHA0=WKSHA0+100-WKSHT
ELSE
WKSHA2=WKSHA2+100-WKSHT
ENDIF
ELSE
IF(WKSHA1.GT.WKSHA2) THEN
WKSHA1=WKSHA1+100-WKSHT
ELSE
WKSHA2=WKSHA2+100-WKSHT
ENDIF
ENDIF
ENDIF
ENDIF
15 CONTINUE
IF(NWTOT.EQ.0) GOTO 216
NWSHA0=100.0*NWA0/NWTOT+0.5
NWSHA1=100.0*NWA1/NWTOT+0.5
NWSHA2=100.0*NWA2/NWTOT+0.5
NWSHT=NWSHA0+NWSHA1+NWSHA2
IF(NWSHT.NE.100) THEN
IF(NWSHA0.GT.NWSHA1) THEN
IF(NWSHA0.GT.NWSHA2) THEN
NWSHA0=NWSHA0+100-NWSHT
ELSE
NWSHA2=NWSHA2+100-NWSHT
ENDIF
ELSE
NWSHA2=NWSHA2+100-NWSHT
ENDIF
ELSE

```

```

        IF(NWSHA1.GT.NWSHA2) THEN
            NWSHA1=NWSHA1+100-NWSHT
        ELSE
            NWSHA2=NWSHA2+100-NWSHT
        ENDIF
    ENDIF
ENDIF
216 CONTINUE

** READ ZDATA2 RECORD

220 CONTINUE
    IF(ZONE.GT.INZN) GOTO 230
    READ(13,2300) ZD2ZN,PRK3HR,PRK9HR
300 FORMAT(4X,I4,30X,2I4,10X,3I3)
    IF(ZONE.NE.ZD2ZN) STOP 34
    GOTO 240
230 CONTINUE
    PRK3HR=0
    PRK9HR=0
    TPUR=0.0

*** PROCESS HBO SUBMODE TRIPS

240 CONTINUE
    IF(ZONE.GT.INZN) GO TO 260
    READ(14,1401) ZD5ZN,PUR(1),PUR(2),PUR(3)
201 FORMAT(2X,I5,10X,3I7)
    IF(ZONE.NE.ZD5ZN) STOP 35
    PUR(4)=0
    IF(VERS.EQ.1) GO TO 250
    READ(15,1501) ZD6ZN,DP1,DP2
201 FORMAT(2X,I5,52X,2I7)
    IF(ZONE.NE.ZD6ZN) STOP 36
    PUR(4)=DP1+DP2
250 CONTINUE
    TPUR=PUR(1)+PUR(2)+PUR(3)+PUR(4)
260 CONTINUE
    DO 270 I=1,4
        SUBPUR(I)=DEFPUR(I)
        IF(TPUR.GT.0.0) SUBPUR(I)=10000.0*PUR(I)/TPUR+0.5
270 CONTINUE

** WRITE A1DECK RECORD

290 CONTINUE
    WRITE(21,2400) ZONE,TERM(AT),PRK9HR,PRK3HR,
1 WKSHA0,WKSHA1,WKSHA2,NWSHA0,NWSHA1,NWSHA2,AREA(ZONE),SUBPUR
400 FORMAT(2X,I4,2X,I3,2(1X,I4),3X,3I4,3X,3I4,3X,I1,4I5)
    GOTO 200
90 CONTINUE
    STOP 'A1PREP Normal Completion'
    END

```

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FILE: arrays.f
DATE PRINTED: Sat Dec 16 15:33:20 1995
TIME QUEUED: Sat Dec 16 15:33:20 1995
STARTED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
DELIVER TO: =====> wlw <=====

LOG VALUES:
b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
s0, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
oc1:hp@hplj4, Q=1, W=, X=IBM-850, Z=+


```

SUBROUTINE ARRAYS (J, K, P, NP, JITNEY, DEFI, CBDI, CBDJ, EXDUMP, EXDUMA,
*****
*** ACCUMULATE TRIPS IN SUMMARY ARRAYS ***
*****
1 CBDDUM, JPARK, OCT, FARE, PKCST, AUTPR)
PARAMETER (MAXZ = 1500)
INTEGER*2 NP, JITNEY, DEFI, CBDI, CBDJ, EXDUMP, EXDUMA, CBDDUM
INTEGER*4 P, IJ, JK, JPARK, J, K
REAL*8 OCT, FARE (5), PKCST (5), AUTPR
REAL*8 PTRIP, MTRIP (10), PERTRP, DATRP, AU2TRP, AU3TRP, TWLBTRP, TJITTRP,
1 TWPTRP, TPRTRP, TKRTRP, GRAB (11, 2)
REAL*8 TTSUM (10, 17, 3), REV (10, 3), PKREV (3)
COMMON/TSUM/TTSUM, REV, PKREV, PTRIP, MTRIP, PERTRP, DATRP, AU2TRP,
1 AU3TRP, TWLBTRP, TJITTRP, TWPTRP, TPRTRP, TKRTRP, GRAB
COMMON /OMCOM/ TABSO (MAXZ, 11, 2), TABLE (MAXZ), STAACC (MAXZ, 2)
INTEGER*4 TABSO, TABLE
REAL STAACC
REAL*8 APREM (3, 2), ALOCAL (3, 2), CONTRL (6, 2), NXF (5), TFERS (6, 4, 2)
COMMON/REP/CONTRL, APREM, ALOCAL, TFERS, NXF
IJ=0
IF (JITNEY.GT.0) IJ=1
DO 1620 I=1, 5
    IF (I.EQ.1) JK=K
    IF (I.EQ.2) JK=J+3
    IF (I.EQ.3) THEN
        JK=13
    IF (CBDI.GT.0) JK=11
    IF (EXDUMP.GT.0) JK=12
ENDIF
IF (I.EQ.4) THEN
    JK=16
    IF (CBDJ.GT.0) JK=14
    IF (EXDUMA.GT.0) JK=15
ENDIF
IF (I.EQ.5) JK=17
TTSUM (1, JK, P) =TTSUM (1, JK, P) +PERTRP
TTSUM (2, JK, P) =TTSUM (2, JK, P) +DATRP
TTSUM (3, JK, P) =TTSUM (3, JK, P) +AU2TRP
TTSUM (4, JK, P) =TTSUM (4, JK, P) +AU3TRP
IF (DEFI.EQ.1) GO TO 1615
TTSUM (5, JK, P) =TTSUM (5, JK, P) +TWLBTRP
IF (JITNEY.GT.0) TTSUM (6, JK, P) =TTSUM (6, JK, P) +TJITTRP
TTSUM (6+IJ, JK, P) =TTSUM (6+IJ, JK, P) +TWPTRP
TTSUM (7+IJ, JK, P) =TTSUM (7+IJ, JK, P) +TPRTRP
TTSUM (8+IJ, JK, P) =TTSUM (8+IJ, JK, P) +TKRTRP
TTSUM (9+IJ, JK, P) =TTSUM (9+IJ, JK, P) +TWLBTRP+TJITTRP+
1 TWPTRP+TPRTRP+TKRTRP
IF (I.EQ.1) THEN
    REV (5, P) =REV (5, P) +TWLBTRP*FARE (1)
    IF (JITNEY.GT.0) REV (6, P) =REV (6, P) +TJITTRP*FARE (4)
    REV (6+IJ, P) =REV (6+IJ, P) +TWPTRP*FARE (2)
    REV (7+IJ, P) =REV (7+IJ, P) +TPRTRP*FARE (3)
    REV (8+IJ, P) =REV (8+IJ, P) +TKRTRP*FARE (5)
    PKREV (P) =PKREV (P) +TPRTRP*PKCST (3)
ENDIF
1615 CONTINUE
IF (NP.EQ.1) GOTO 1620
TTSUM (1, JK, NP) =TTSUM (1, JK, NP) +PERTRP
TTSUM (2, JK, NP) =TTSUM (2, JK, NP) +DATRP
TTSUM (3, JK, NP) =TTSUM (3, JK, NP) +AU2TRP

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```

TTSUM(4, JK, NP) = TTSUM(4, JK, NP) + AU3TRP
IF(DEFI.EQ.1) GO TO 1620
TTSUM(5, JK, NP) = TTSUM(5, JK, NP) + TWLBTRP
IF(JITNEY.GT.0) TTSUM(6, JK, NP) = TTSUM(6, JK, NP) + TJITTRP
TTSUM(6+IJ, JK, NP) = TTSUM(6+IJ, JK, NP) + TWPTRP
TTSUM(7+IJ, JK, NP) = TTSUM(7+IJ, JK, NP) + TPRTRP
TTSUM(8+IJ, JK, NP) = TTSUM(8+IJ, JK, NP) + TKRTRP
TTSUM(9+IJ, JK, NP) = TTSUM(9+IJ, JK, NP) + TWLBTRP + TJITTRP +
1 TWPTRP + TPRTRP + TKRTRP
IF(I.EQ.1) THEN
    REV(5, NP) = REV(5, NP) + TWLBTRP * FARE(1)
    IF(JITNEY.GT.0) REV(6, NP) = REV(6, NP) + TJITTRP * FARE(4)
    REV(6+IJ, NP) = REV(6+IJ, NP) + TWPTRP * FARE(2)
    REV(7+IJ, NP) = REV(7+IJ, NP) + TPRTRP * FARE(3)
    REV(8+IJ, NP) = REV(8+IJ, NP) + TKRTRP * FARE(5)
    IF(JITNEY.EQ.0) REV(9, NP) = 0.0
    PKREV(NP) = PKREV(NP) + TPRTRP * PKCST(3)
ENDIF
1620 CONTINUE

*** ACCUMULATE PERSON TRIPS BY MODE

PTRIP = PTRIP + PERTRP
MTRIP(1) = MTRIP(1) + DATRP
MTRIP(2) = MTRIP(2) + AU2TRP
MTRIP(3) = MTRIP(3) + AU3TRP
IF(DEFI.EQ.1) GO TO 1630
MTRIP(4) = MTRIP(4) + TWLBTRP
MTRIP(5) = MTRIP(5) + TJITTRP
MTRIP(6) = MTRIP(6) + TWPTRP
MTRIP(7) = MTRIP(7) + TPRTRP
MTRIP(8) = MTRIP(8) + TKRTRP
IF(JPARK.GT.0) STAACC(JPARK, P) = STAACC(JPARK, P)
1 + (TPRTRP + 1.5 * TKRTRP) / OCT
IDX = CBDDUM + 1
IF (IDX.GT.2) IDX = 2
IF(AUTPR.GT.0.0) APREM(P, IDX) = APREM(P, IDX) + TPRTRP + TKRTRP
IF(AUTPR.LE.0.0) ALOCAL(P, IDX) = ALOCAL(P, IDX) + TPRTRP + TKRTRP
1630 CONTINUE

ACCUMULATE TRANSFERS

DO 1640 I=1,5
    N = NXF(I) + 1
    IF(N.GT.4) N = 4
    IF(I.EQ.1) TFERS(I, N, P) = TFERS(I, N, P) + TWLBTRP
    IF(I.EQ.2) TFERS(I, N, P) = TFERS(I, N, P) + TJITTRP
    IF(I.EQ.3) TFERS(I, N, P) = TFERS(I, N, P) + TWPTRP
    IF(I.EQ.4) TFERS(I, N, P) = TFERS(I, N, P) + TPRTRP
    IF(I.EQ.5) TFERS(I, N, P) = TFERS(I, N, P) + TKRTRP
640 CONTINUE
RETURN
END

```

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TLE: autocon9.f
TIME PRINTED: Sat Dec 16 15:33:25 1995
TIME QUEUED: Sat Dec 16 15:33:24 1995
PRINTED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
LIVER TO: =====> wlw <=====

LAG VALUES:
0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
=pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

PROGRAM AUTCON

```

*****
*** AUTO.ACCESS GENERATION - AUTOCON - 11/12/91 ***
*** ENHANCED LOGIC - 11/15/91 ***
*** SKIMS - 11/16/91 ***
*** MANUAL PERIOD SWITCH - 11/22/91 ***
*** STATION USE, STATION STOPS, DUMMY COORDS - 11/25/91 ***
*** DATE/TIME TO MIMIC RS/6000 - 12/24/91 ***
*** FSUTMS-LIKE CONTROLS - 1/31/92 ***
*** RS/6000 VERSION - 2/5/92 ***
*** MINOR REFINEMENT - 2/24/92 ***
*** XY CHANGE - 4/1/92 ***
*** MORE NODES - 4/13/92 ***
*** NEW INET CHECK - 8/18/92 ***
*** MORE RESTRICTIVE BACKTRACKING - 8/23/92 ***
*** INCREASED SIZE FOR NUMBER OF SETS - 10/22/92 ***
*** CONSTRAINED, CYCLED HIGHWAY SKIMS - 1/26/93 ***
*** AUTOCON9 VERSION - 9/5/93 ***
*** TOLLS ON ACCESS LINKS - 12/15/93 ***
*****

```

```

INCLUDE 'paramter.inc'
INCLUDE 'tpcom.inc'
INCLUDE 'luncom.inc'
INCLUDE 'control.inc'
INTEGER*2 IO(500),NDUMMY,IORG,ITAB
CHARACTER*32 FILE11,FILE13,FILE14,FILE15,FILE16,
1 FILE21,FILE22,FILE23,FILE10
CHARACTER*1 TOF
CHARACTER*48 RUN
CHARACTER*8 DATE,TIME
INTEGER*4 M,LINE,NODES(9),LL,N1,N2,NTL,DCBD,NUMO,NOPT
INTEGER*4 N,MAXN,NEXTN,NSTA,ZONES,A,B,DD,TT,NSETS,NDD,ZONESI,CBD,
1 TERM,PERIOD,DEF,BACK,XBACK,CYCLE
INTEGER*4 STAZ(200),STAN(200),STAU(200),STAR(200),
1 CIRC(200),SPACE(200)
INTEGER*4 SETS(200,3),STARL(200),STAX(200)
REAL*4 XX,YY,BACKD,BACKPC,DISFAC
CHARACTER*9 VALID1(10),IDENTP
INTEGER*4 VALID2(10),TOLL
INTEGER*4 TUSE(15)
LOGICAL*4 EXISTS,EXST15
LOGICAL*2 INFILE
COMMON /A/ X(MXNODE),Y(MXNODE),USE(MXNODE)
INTEGER*4 X,Y
INTEGER*2 USE
COMMON /B/ NUMOK(200),COND(200,200,4),MAXD(200)
INTEGER*4 NUMOK,MAXD
INTEGER*2 COND
COMMON /C/ DEL(MXZONE),CODE(MXZONE),TEMP(MXZONE)
INTEGER*2 DEL,CODE,TEMP
COMMON /D/ TTIME(MXZONE),DIST(MXZONE),OVER(MXZONE,4),NOVER(MXZONE)
INTEGER*4 TTIME,DIST
INTEGER*2 OVER,NOVER
INTEGER*4 UNITS
DATA VALID2/8*0,1,1/,VALID1/'&ZONESA','&ZONESI','&CBDZONE',
1 '~TITLE','~TERM','~DEF','~NOPT','~BACK','~BACKD','~BACKPC'/
DATA NSETS/0/,BACKD/4.0/,BACKPC/0.30/
DATA FILE10/'AUTOCON.OUT'/,FILE13/'XY.TEM'/,
1 FILE14/'STATDATA.tin'/,
2 FILE15/'XTRAAUTO.tin'/,FILE16/'AUTDELpp.tin'/,

```

```
3 FILE21/'AUTOpp.tin'//,FILE22/'STATpp.tin'//,  
4 FILE23/'DUMXYpp.tin'//  
DATA,DISFAC/100.0/
```

```
TOF=CHAR(12)  
CALL DATTIM( DATE, TIME)  
DO 3 I=1, MXNODE  
X(I)=0  
Y(I)=0  
USE(I)=0  
3 CONTINUE  
DO 5 I=1, MXZONE  
DEL(I)=0  
CODE(I)=0  
NOVER(I)=0  
5 CONTINUE
```

READ PERIOD

```
INQUIRE(FILE='PERIOD1',EXIST=EXISTS)  
IF (EXISTS) PERIOD = 1  
INQUIRE(FILE='PERIOD2',EXIST=EXISTS)  
IF (EXISTS) PERIOD = 2  
INQUIRE(FILE='PERIOD3',EXIST=EXISTS)  
IF (EXISTS) PERIOD = 3  
CYCLE=0  
IF(PERIOD.EQ.3) THEN  
    PERIOD=1  
    CYCLE=1  
    FILE11='CHSKIMS.tot'  
ENDIF  
IF (PERIOD.EQ.1) THEN  
    FILE11='RHSKIMS.hot'  
    FILE16='AUTDELAM.tin'  
    FILE21='AUTOAM.tin'  
    FILE22='STATAM.tin'  
    FILE23='DUMXYAM.tin'  
ELSE  
    FILE11='FHSKIMS.hot'  
    FILE16='AUTDELMD.tin'  
    FILE21='AUTOMD.tin'  
    FILE22='STATMD.tin'  
    FILE23='DUMXYMD.tin'  
ENDIF
```

OPEN PROFILE.MAS

```
OPEN(1, FILE='PROFILE.MAS')  
10 READ (1,11,END=20) IDENTP  
11 FORMAT (A)  
IF (IDENTP.EQ.'&ZONESA') THEN  
    READ (1,*) ZONES  
    VALID2(1) = 1  
ENDIF  
IF (IDENTP.EQ.'&ZONESI') THEN  
    READ (1,*) ZONESI  
    VALID2(2) = 1  
ENDIF  
IF (IDENTP.EQ.'&CBDZONE') THEN  
    READ (1,*) CBD
```

```

VALID2(3) = 1
ENDIF
IF (IDENTP.EQ.'&TITLE') THEN
  READ (1,11) RUN
  VALID2(4) = 1
ENDIF
IF (IDENTP.EQ.'&TERM') THEN
  READ (1,*) XX
  TERM=10*XX
  VALID2(5)=1
ENDIF
IF (IDENTP.EQ.'&DEF') THEN
  READ (1,*) XX
  DEF=10*XX
  VALID2(6)=1
ENDIF
IF (IDENTP.EQ.'&NOPT') THEN
  READ (1,*) NOPT
  VALID2(7)=1
ENDIF
IF (IDENTP.EQ.'&BACK') THEN
  READ (1,*) BACK
  VALID2(8)=1
ENDIF
IF (IDENTP.EQ.'&BACKD') THEN
  READ (1,*) BACK
  VALID2(9)=1
ENDIF
IF (IDENTP.EQ.'&BACKPC') THEN
  READ (1,*) BACKPC
  VALID2(10)=1
ENDIF
IF (IDENTP.EQ.'&UNITS') THEN
  READ (1,*) UNITS
  DISFAC = 10000.0 / FLOAT(UNITS)
ENDIF
GO TO 10
20 CLOSE (1)

```

SET-UP DATA SETS

```

OPEN(10, FILE=FILE10, STATUS='NEW', FORM='FORMATTED')
INFILE = .FALSE.
CALL GETALT(FILE11, INFILE)
OPEN(11, FILE=FILE11, STATUS='OLD', FORM='UNFORMATTED')
READ(11) HEAD1, HEAD2
OPEN(12, FILE='HUDNET.TEM', STATUS='OLD', FORM='FORMATTED')
INFILE = .TRUE.
OPEN(13, FILE=FILE13, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(FILE14, INFILE)
OPEN(14, FILE=FILE14, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(FILE15, INFILE)
INQUIRE(FILE=FILE15, EXIST=EXST15)
IF (EXST15) OPEN(15, FILE=FILE15, STATUS='OLD', FORM='FORMATTED')
INFILE = .FALSE.
CALL GETALT(FILE16, INFILE)
OPEN(16, FILE=FILE16, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(FILE21, INFILE)
OPEN(21, FILE=FILE21, STATUS='NEW', FORM='FORMATTED')
CALL GETALT(FILE22, INFILE)

```

```

OPEN(22, FILE=FILE22, STATUS='NEW', FORM='FORMATTED')
CALL GETALT(FILE23, INFILE)
OPEN(23, FILE=FILE23, STATUS='NEW', FORM='FORMATTED')
TOLL=1
CALL UNTAB(TABLES, TUSE)
IF(TUSE(1).EQ.0) TOLL=2
C
C CHECK VALID OPTIONS
C
IERR=0
DO 90 I=1,10
  IF(VALID2(I).NE.1) THEN
    IERR=1
    WRITE(*, '( ' *** PARAMETER NOT FOUND: ', A9)') VALID1(I)
  ENDIF
90 CONTINUE
IF(IERR.EQ.1) STOP 17
WRITE(10, 6000) TOF, DATE, TIME, RUN
6000 FORMAT(A1, ' AUTO CONNECT PROGRAM' /
1 1X, A8, 63X, A8 // ' RUN: ', A /)
WRITE(10, 6010) FUNCT, ((TITLE(I, J), I=1, 10), J=1, 3)
6010 FORMAT('/' SKIM HEADER: '/1X, 4A8/(1X, 10A8))
IF(TOLL.EQ.1) WRITE(10, '(/' TOLLS IN HIGHWAY IMPEDANCES'''))
C
C READ COORDINATES
C
WRITE(*, 1050)
1050 FORMAT('/' AUTOCON PROGRAM' //' READ COORDINATES')
100 CONTINUE
READ(13, 2301, END=110) N, XX, YY
2301 FORMAT(I6, 2F9.2)
X(N) = DISFAC*XX
Y(N) = DISFAC*YY
IF(N.GT.MAXN) MAXN=N
GO TO 100
110 NEXTN=100*(MAXN/100)+101
WRITE(10, 6012) NEXTN
6012 FORMAT('/' NEXT NODE: ', I6)
WRITE(*, 1051)
1051 FORMAT(' TRANSIT LINES')
C
C READ TRANSIT LINES
C
120 READ(12, 2201) N
2201 FORMAT(I1)
IF(N.NE.9) GO TO 120
130 READ(12, 2202, END=150) N, M, LINE, (NODES(I), I=1, 9)
2202 FORMAT(I1, 2X, I2, I3, 18X, 9I5)
IF(N.EQ.9) GO TO 150
LL=1000*M+LINE
DO 140 I=1, 9
  N=NODES(I)
  IF(N.EQ.0) GO TO 140
  IF(M.EQ.4.AND.USE(N).LE.0) USE(N)=LL
  IF(M.GT.4.AND.USE(N).LE.5000) USE(N)=LL
140 CONTINUE
GO TO 130
C
C READ STATION DATA
C

```

```

150 WRITE(*,1052)
1052 FORMAT(' READ STATION DATA')
160 CONTINUE
   READ(14,2401,END=170) NN,STAN(NN),STAZ(NN),XX,SPACE(NN),YY,
1 STAU(NN)
2401 FORMAT(I4,2I6,F6.0,I6,12X,F6.0,6X,I3)
   MAXD(NN)=100*XX
   CIRC(NN)=10*YY

```

DO NOT USE IF NO PARKING

```

   IF(STAU(NN).GT.0.AND.SPACE(NN).EQ.0) STAU(NN)=0
   GO TO 160

```

CHECK STATION UTILIZATION

```

170 CONTINUE
   NSTA=NN
   WRITE(10,6092) NSTA
6092 FORMAT(/' NUMBER OF STATIONS: ',I6/
1 ' STA  NODE  ZONE  MAXD  USE  RTE'//)
   DO 180 K=1,NSTA
   STAR(K)=0
   IF(STAU(K).EQ.0) GO TO 180
   IF(STAU(K).GT.0.AND.USE(STAN(K)).EQ.0) THEN
       WRITE(*,1077) K,STAN(K)
1077   FORMAT(' *** WARNING: STATION ',I3,I5,' FLAGGED AS USED',
1       ' BUT NO SERVICE FOUND ***'//)
   ENDIF
   STAR(K)=USE(STAN(K))
   M=STAR(K)/1000
   STAX(K)=0
   IF(M.EQ.5.OR.M.EQ.7) STAX(K)=1
180 CONTINUE
   WRITE(22,3201)
3201 FORMAT(' STATION NODES =')
   DO 190 K=1,NSTA
   WRITE(10,6093) K,STAN(K),STAZ(K),MAXD(K),STAU(K),STAR(K)
6093 FORMAT(I4,5I6)
   WRITE(22,3202) STAN(K)
3202 FORMAT(I8)
190 CONTINUE

```

ESTABLISH ROUTE ELIGIBILITY

```

   WRITE(*,1054)
1054 FORMAT(' ROUTE ELIGIBILITY')
   DO 230 K=1,NSTA
   IF(NSETS.GE.1) THEN
       DO 210 L=1,NSETS
       IF(STAR(K).EQ.SETS(L,1)) GO TO 220
210   CONTINUE
       ENDIF
       NSETS=NSETS+1
       STARL(K)=NSETS
       SETS(NSETS,1)=STAR(K)
       SETS(NSETS,2)=1
       SETS(NSETS,3)=STAX(K)
       GO TO 230
220 CONTINUE

```

```

      SETS(L,2)=SETS(L,2)+1
      STARL(K)=L
230 CONTINUE

READ SHORT DELETE ZONES

240 CONTINUE
      READ(16,2601,END=250) NN
      DEL(NN)=1
2601 FORMAT(I5)
      GO TO 240

READ OVER-RIDES

250 IF (EXST15) THEN
      WRITE(*,1055)
055 FORMAT(' OVER-RIDES')
260 READ(15,2501,END=270) A,B
2501 FORMAT(2X,2I5)
      NOVER(A)=NOVER(A)+1
      NN=NOVER(A)
      IF(NN.GT.4) THEN
          WRITE(*,1088) A
088 FORMAT(' *** TOO MANY OVER-RIDES FOR',I6)
          STOP17
      ENDIF
      OVER(A,NN)=B
      GO TO 260
      ENDIF

LOOP OVER ZONES

270 WRITE(*,1056)
056 FORMAT(' LOOP OVER INTERNAL ZONES'/' ZONE: '/')
      WRITE(10,1059) NSETS
1059 FORMAT('/' NUMBER OF SETS = ',I6)
      DO 390 I=1,ZONESI
      IF(MOD(I,100).EQ.0) WRITE(*,1057) I
1057 FORMAT(I5)
      A=I
      IORG=I
      ITAB=2
      CALL INTAB(11,DIST,IORG,ITAB,NDUMMY,IO)
      IF(PERIOD.NE.1) ITAB=3
      IF(PERIOD.EQ.1) ITAB=4
      IF(TOLL.EQ.1) ITAB=4
      CALL INTAB(11,TTIME,IORG,ITAB,NDUMMY,IO)
      NDD=0
      NTL=0
      NUMO=NOVER(I)
      IF(NUMO.GT.0) GO TO 360
      IF(DEL(I).EQ.1) THEN
          CODE(I)=2
          GO TO 390
      ENDIF
      DO 310 K=1,NSTA
      NUMOK(K)=0
      DO 310 L=1,NSETS
      DO 310 M=1,4
310 COND(K,L,M)=0

```



```

DO 320 K=1,NSTA
IF(STAU(K).EQ.0) GO TO 320
B=STAZ(K)
DD=DIST(B)
IF(DD.GT.MAXD(K)) GO TO 320
L=STARL(K)
NUMOK(L)=NUMOK(L)+1
NDD=NUMOK(L)
COND(L,NDD,1)=STAN(K)
COND(L,NDD,2)=DD
COND(L,NDD,4)=K
IF(TTIME(B).EQ.0) TTIME(B)=DEF
TT=TTIME(B)/10.0+CIRC(K)+TERM+0.5
COND(L,NDD,3)=TT
320 CONTINUE
DO 330 L=1,NSETS
NTL=NTL+NUMOK(L)
330 CONTINUE
IF(NTL.EQ.0) THEN
CODE(I)=1
GO TO 390
ENDIF
CALL DISTANCE(A,CBD,DCBD)
DO 350 L=1,NSETS
NN=NUMOK(L)
M=SETS(L,3)
IF(NN.EQ.0) GO TO 350
N2=0
IF(NN.EQ.1) N1=NN
~101 FORMAT('1',2I5,' 2',9X,I3,3X,I3)
IF(NN.GE.2) CALL CONN2(NOPT,L,NN,N1,N2)
B=COND(L,N1,1)
DD=COND(L,N1,2)
K=COND(L,N1,4)
IF(BACK.EQ.1.AND.DD.GT.MAXD(K)) THEN
IF(N2.EQ.0.AND.CODE(I).EQ.0) CODE(I)=1
IF(N2.NE.0.AND.CODE(I).EQ.0) CODE(I)=5
GO TO 340
ENDIF
CALL BACKTR(A,B,CBD,BACKD,BACKPC,XBACK)
IF(XBACK.EQ.1) THEN
CODE(I)=SETS(L,1)
GO TO 340
ENDIF
IF(M.EQ.0.AND.DCBD.LT.DD) THEN
CODE(I)=SETS(L,1)
ELSE
IF(COND(L,N1,3).LT.255) THEN
DD=COND(L,N1,2)/10.0+0.5
WRITE(21,2101) I,B,DD,COND(L,N1,3)
ELSE
DD=COND(L,N1,2)/20.0+0.5
TT=COND(L,N1,3)/2
XX=(X(A)+X(B))/200.0
YY=(Y(A)+Y(B))/200.0
WRITE(23,2301) NEXTN,XX,YY
WRITE(21,2101) I,NEXTN,DD,TT
WRITE(21,2101) NEXTN,B,DD,TT
NEXTN=NEXTN+1
CODE(I)=4

```

```

        ENDIF
ENDIF
340 CONTINUE
IF(N2.EQ.0) GO TO 350
B=COND(L,N2,1)
DD=COND(L,N2,2)
K=COND(L,N2,4)
IF(BACK.EQ.1.AND.DD.GT.MAXD(K)) THEN
    IF(N1.EQ.0.AND.CODE(I).EQ.0) CODE(I)=1
    IF(N1.NE.0.AND.CODE(I).EQ.0) CODE(I)=5
    GO TO 350
ENDIF
CALL BACKTR(A,B,CBD,BACKD,BACKPC,XBACK)
IF(XBACK.EQ.1) THEN
    CODE(I)=SETS(L,1)
    GO TO 350
ENDIF
IF(M.EQ.0.AND.DCBD.LT.DD) THEN
    CODE(I)=SETS(L,1)
ELSE
    IF(COND(L,N2,3).LT.255) THEN
        DD=COND(L,N2,2)/10.0+0.5
        WRITE(21,2101) I,B,DD,COND(L,N2,3)
    ELSE
        DD=COND(L,N2,2)/20.0+0.5
        TT=COND(L,N2,3)/2
        XX=(X(A)+X(B))/200.0
        YY=(Y(A)+Y(B))/200.0
        WRITE(23,2301) NEXTN,XX,YY
        WRITE(21,2101) I,NEXTN,DD,TT
        WRITE(21,2101) NEXTN,B,DD,TT
        NEXTN=NEXTN+1
        CODE(I)=4
    ENDIF
ENDIF
ENDIF
350 CONTINUE
GO TO 390

```

: PROCESS OVER-RIDES

```

360 CONTINUE
DO 370 N=1,NUMO
A=I
B=OVER(A,N)
CODE(I)=3
IF(TTIME(B).LT.255) THEN
    DD=DIST(B)/10.0+0.5
    TT=TTIME(B)/10.0+0.5
    WRITE(21,2101) A,B,DD,TT
ELSE
    DD=DIST(B)/20.0+0.5
    TT=TTIME(B)/20.0+0.5
    XX=(X(A)+X(B))/200.0
    YY=(Y(A)+Y(B))/200.0
    WRITE(23,2301) NEXTN,XX,YY
    WRITE(21,2101) A,NEXTN,DD,TT
    WRITE(21,2101) NEXTN,B,DD,TT
    NEXTN=NEXTN+1
ENDIF
370 CONTINUE

```

```

390 CONTINUE
C
: ACCOUNTING
:
      NN=0
      DO 410 I=1,ZONESI
      IF(CODE(I).NE.1) GO TO 410
      NN=NN+1
      TEMP(NN)=I
410 CONTINUE
      WRITE(10,6701) (TEMP(N),N=1,NN)
6701 FORMAT(// ' ZONES WITH NO ACCEPTABLE AUTO CONNECTORS: '//
1 (10I6))
      NN=0
      DO 420 I=1,ZONESI
      IF(CODE(I).NE.2) GO TO 420
      NN=NN+1
      TEMP(NN)=I
420 CONTINUE
      WRITE(10,6702) (TEMP(N),N=1,NN)
6702 FORMAT(// ' ZONES DELETED AS BEING TOO CLOSE TO STATIONS: '//
1 (10I6))
      NN=0
      DO 430 I=1,ZONESI
      IF(CODE(I).NE.3) GO TO 430
      NN=NN+1
      TEMP(NN)=I
430 CONTINUE
      WRITE(10,6703) (TEMP(N),N=1,NN)
6703 FORMAT(// ' ZONES REPLACED BY OVER-RIDES: '//(10I6))
      NN=0
      DO 440 I=1,ZONESI
      IF(CODE(I).NE.4) GO TO 440
      NN=NN+1
      TEMP(NN)=I
440 CONTINUE
      WRITE(10,6704) (TEMP(N),N=1,NN)
6704 FORMAT(// ' CONNECTORS SPLIT ON TIME: '//(10I6))
      NN=0
      DO 450 I=1,ZONESI
      IF(CODE(I).NE.5) GO TO 450
      NN=NN+1
      TEMP(NN)=I
450 CONTINUE
      WRITE(10,6705) (TEMP(N),N=1,NN)
6705 FORMAT(// ' RAIL CONNECTORS DELETED FOR BACKTRACKING: '//(10I6))
      WRITE(10,6706)
6706 FORMAT(// ' BUS CONNECTORS DELETED FOR BACKTRACKING: '//)
      DO 460 I=1,ZONESI
      IF(CODE(I).GT.5) WRITE (10,6707) I, CODE(I)
6707 FORMAT(2I6)
460 CONTINUE
      END
: *****
C *** SUBROUTINE TO IDENTIFY RELEVANCE OF SECOND CONNECTION
C *****
      SUBROUTINE CONN2 (NOPT, LA, NN, N1, N2)
      INTEGER*2 COND (200, 200, 4)
      INTEGER*4 NUMOK (200) , N1, N2, NOPT, LA, IVAL, D1, D2, D3, M1, M2, NN,
1 MAXD (200) , N0

```

```

COMMON /B/ NUMOK, COND, MAXD
N0=0
N1=1
N2=0

```

```

C SEARCH FOR SHORTEST CONNECTOR

```

```

IVAL=99999
DO 210 N=1, NN
IF (COND (LA, N, 2) .LT. IVAL) THEN
    N1=N
    IVAL=COND (LA, N, 2)
ENDIF
210 CONTINUE
K=COND (LA, N1, 4)

```

```

C CHECK IF SHORTEST CONNECTOR IS QUALIFIED

```

```

IF (IVAL .LE. MAXD (K)) GO TO 260

```

```

C SHORTEST CONNECTOR NOT QUALIFIED; SEARCH FOR UP TO 2 MORE

```

```

N0=N1
IVAL=99999
DO 220 N=1, NN
IF (N.EQ.N0) GO TO 220
IF (COND (LA, N, 2) .LT. IVAL) THEN
    N1=N
    IVAL=COND (LA, N, 2)
ENDIF

```

```

220 CONTINUE
260 CONTINUE

```

```

C SEARCH FOR SECOND CONNECTOR

```

```

D1=IVAL
IVAL=99999
DO 270 N=1, NN
IF (N.EQ.N0 .OR. N.EQ.N1) GO TO 270
IF (COND (LA, N, 2) .LT. IVAL) THEN
    N2=N
    IVAL=COND (LA, N, 2)
ENDIF

```

```

270 CONTINUE
IF (NOPT.NE.1) GO TO 190
IF (N1.EQ.0 .OR. N2.EQ.0) GO TO 190
D2=IVAL
M1=COND (LA, N1, 1)
M2=COND (LA, N2, 1)
CALL DISTANCE (M1, M2, D3)
IF (D2*D2 .GT. D1*D1 + D3*D3) N2=0
190 CONTINUE
RETURN
END

```

```

C *****
C *** SUBROUTINE TO COMPUTE DISTANCE FROM COORDINATES
C *****
SUBROUTINE DISTANCE (A, B, DD)
INCLUDE 'paramter.inc'
INTEGER*4 A, B, IX, IY, DD

```

```

COMMON /A/ X(MXNODE) , Y (MXNODE) , USE (MXNODE)
INTEGER*4 X, Y
INTEGER*2 USE
IX=IABS (X (A) -X (B) )
IY=IABS (Y (A) -Y (B) )
DD=SQRT (1.0*IX*IX+1.0*IY*IY)
RETURN
END

```

```

C *****
: *** BACKTRACKING SUBROUTINE
: *****
SUBROUTINE BACKTR (A, B, CBD, BACKD, BACKPC, XBACK)
INCLUDE 'paramter.inc'
INTEGER*4 A, B, CBD, XBACK, BX, BY, DCBD
REAL*4 BACKD, BACKPC, XB, YB, XCBD, XPC, XT
COMMON /A/ X (MXNODE) , Y (MXNODE) , USE (MXNODE)
INTEGER*4 X, Y
INTEGER*2 USE
XBACK=0
BX=1
BY=1
XB=0.0
YB=0.0
IF (X (B) .GE. X (A) .AND. X (B) .LE. X (CBD) ) BX=0
IF (X (B) .GE. X (CBD) .AND. X (B) .LE. X (A) ) BX=0
IF (Y (B) .GE. Y (A) .AND. Y (B) .LE. Y (CBD) ) BY=0
IF (Y (B) .GE. Y (CBD) .AND. Y (B) .LE. Y (A) ) BY=0
CALL DISTANCE (A, CBD, DCBD)
XCBD=DCBD/100.0
IF (BX.EQ.1) THEN
    IF (X (CBD) .GE. X (A) .AND. X (CBD) .LE. X (B) ) BX=2
    IF (X (A) .GE. X (B) .AND. X (A) .LE. X (CBD) ) BX=3
    IF (X (CBD) .GE. X (B) .AND. X (CBD) .LE. X (A) ) BX=2
    IF (X (A) .GE. X (CBD) .AND. X (A) .LE. X (B) ) BX=3
ENDIF
IF (BX.EQ.2) XB=IABS (X (CBD) -X (B) )/100.0
IF (BX.EQ.3) XB=IABS (X (A) -X (B) )/100.0
IF (BY.EQ.1) THEN
    IF (Y (CBD) .GE. Y (A) .AND. Y (CBD) .LE. Y (B) ) BY=2
    IF (Y (A) .GE. Y (B) .AND. Y (A) .LE. Y (CBD) ) BY=3
    IF (Y (CBD) .GE. Y (B) .AND. Y (CBD) .LE. Y (A) ) BY=2
    IF (Y (A) .GE. Y (CBD) .AND. Y (A) .LE. Y (B) ) BY=3
ENDIF
IF (BY.EQ.2) YB=IABS (Y (CBD) -Y (B) )/100.0
IF (BY.EQ.3) YB=IABS (Y (A) -Y (B) )/100.0
XT=XB+YB
XPC=0.0
IF (XCBD.GT.0.0) XPC=XT/XCBD
IF (XT.GT.BACKD) XBACK=1
IF (XPC.GT.BACKPC) XBACK=1
RETURN
END
SUBROUTINE UNTAB (TABLES, USE)
INTEGER*2 TABLES, NN
INTEGER*4 USE (15)
LOGICAL*4 TEST
DO 10 I=1, 15
NN=I-1
USE (I) =0
TEST=BTEST (TABLES, NN)

```

```
IF (TEST) USE (I) =1  
10 CONTINUE  
END
```

#####*
#####*
#####*
#####*

TLE: bucket.f
TIME PRINTED: Sat Dec 16 15:33:30 1995
TIME QUEUED: Sat Dec 16 15:33:29 1995
INTENDED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
LIVER TO: =====> wlw <=====

LAG VALUES:
0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
=pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+


```

SUBROUTINE BUCKET(JZ,P,TRIPS,DEFI,OCC)
*****
*** BUCKET ROUNDING ***
*****
PARAMETER (MAXZ = 1500)
INTEGER*2 DEFI
INTEGER*4 MAXM,ITEMP,TRIPS,P,JZ
REAL*8 OCC,MAXT
REAL*8 PTRIP,MTRIP(10),PERTRP,DATRP,AU2TRP,AU3TRP,TWLBTRP,TJITTRP,
1 TWPTRP,TPRTRP,TKRTRP,GRAB(11,2)
REAL*8 TTSUM(10,17,3),REV(10,3),PKREV(3)
COMMON/TSUM/TTSUM,REV,PKREV,PTRIP,MTRIP,PERTRP,DATRP,AU2TRP,
1 AU3TRP,TWLBTRP,TJITTRP,TWPTRP,TPRTRP,TKRTRP,GRAB
COMMON /OMCOM/ TABSO(MAXZ,11,2),TABLE(MAXZ),STAACC(MAXZ,2)
INTEGER*4 TABSO,TABLE
REAL STAACC
MTRIP(9)=MTRIP(2)/2.0
MTRIP(10)=MTRIP(3)/OCC
ITEMP=0
IF(DEFI.EQ.1) THEN
DO 1650 M=1,3
TABSO(JZ,M,P)=IDINT(MTRIP(M)+GRAB(M,P))
ITEMP=ITEMP+TABSO(JZ,M,P)
GRAB(M,P)=MTRIP(M)-FLOAT(TABSO(JZ,M,P))+GRAB(M,P)
1650 CONTINUE
ELSE
DO 1655 M=2,8
TABSO(JZ,M,P)=IDINT(MTRIP(M)+GRAB(M,P))
ITEMP=ITEMP+TABSO(JZ,M,P)
GRAB(M,P)=MTRIP(M)-FLOAT(TABSO(JZ,M,P))+GRAB(M,P)
655 CONTINUE
ENDIF
TABSO(JZ,9,P)=IDINT(MTRIP(9)+GRAB(9,P))
GRAB(9,P)=MTRIP(9)-FLOAT(TABSO(JZ,9,P))+GRAB(9,P)
TABSO(JZ,10,P)=IDINT(MTRIP(10)+GRAB(10,P))
GRAB(10,P)=MTRIP(10)-FLOAT(TABSO(JZ,10,P))+GRAB(10,P)
IF(DEFI.EQ.2) THEN
TABSO(JZ,1,P)=TRIPS-ITEMP
IF(TABSO(JZ,1,P).LT.0) THEN
ITEMP=-TABSO(JZ,1,P)
DO 1670 I=1,ITEMP
MAXT=0.0
DO 1660 M=2,8
IF(MTRIP(M).GT.MAXT .AND. TABSO(JZ,M,P).GT.0) THEN
MAXM=M
MAXT=MTRIP(M)
ENDIF
1660 CONTINUE
TABSO(JZ,1,P)=TABSO(JZ,1,P)+1
TABSO(JZ,MAXM,P)=TABSO(JZ,MAXM,P)-1
GRAB(MAXM,P)=GRAB(MAXM,P)+1
1670 CONTINUE
ENDIF
ENDIF
RETURN
END

```


#####*
#####*
#####*
#####*

TLE: exthov.f
TIME PRINTED: Sat Dec 16 15:34:20 1995
TIME QUEUED: Sat Dec 16 15:33:34 1995
INTENDED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wllw
DELIVER TO: =====> wllw <=====

LAG VALUES:
 0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
 80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
 =pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

PROGRAM EXTHOV

 *** CREATE EXTERNAL HOV FACTORS - EXTHOV - 8/28/93 ***
 *** 2 and 3+ Trips - 2/1/94 ***

CHARACTER*3 CCD,ALTIN
 CHARACTER*11 PARM
 CHARACTER*14 FILE12,FILE22,FILE23
 INTEGER*4 N,NX,ZN(200),HOV,NZ,ITAB,TRUCK
 REAL*4 TRTAXI(2),PURP10(2),EXT(200,6),XH,XH3,XH1
 DATA FILE12/'EXTHOV.TEM'/,
 1 FILE22/'EXTHOV3.alt'/,FILE23/'EXTHOV1.alt'/,
 2 TRTAXI/2*0.0/,PURP10/2*0.0/,EXT/1200*0.0/,NZ/0/

READ PROFILE.MAS

OPEN(11,FILE='PROFILE.MAS')
 10 READ(11,1101,END=20) PARM
 1101 FORMAT(A)
 IF (PARM.EQ.'&ZONESA') READ (11,*) NZ
 IF (PARM.EQ.'&CITYCODE') READ (11,1101) CCD
 IF (PARM.EQ.'&HOV') THEN
 READ (11,1101) PARM
 IF (PARM.EQ.'NONE') HOV = 0
 IF (PARM.EQ.'TYPE1'.OR.PARM.EQ.'TYPE 1') HOV = 1
 IF (PARM.EQ.'TYPE2'.OR.PARM.EQ.'TYPE 2') HOV = 2
 IF (PARM.EQ.'TYPE3'.OR.PARM.EQ.'TYPE 3') HOV = 3
 ENDIF
 IF (PARM.EQ.'&TRUCKS') READ (11,*) TRUCK
 GO TO 10
 20 CLOSE (11)

READ FSUTMS.CTL

OPEN(11,FILE='FSUTMS.CTL')
 70 READ(11,1101,END=80) PARM
 IF (PARM.EQ.'~FILEIN') READ (11,1101) ALTIN
 GO TO 70
 80 CLOSE(11)
 OPEN(12,FILE=FILE12)
 IF (HOV.EQ.4) THEN
 FILE22(9:11)=ALTIN
 OPEN(22,FILE=FILE22)
 FILE23(9:11)=ALTIN
 OPEN(23,FILE=FILE23)
 ENDIF

READ IN EXTERNAL BASE DATA

OPEN(11,FILE='EXTHOV.SYN')
 NX=1
 READ (11,1101,END=890) PARM
 IF (PARM.EQ.'~TRTAXI') READ(11,*) (TRTAXI(I),I=1,2)
 IF (CCD.EQ.'ORL') THEN
 READ (11,'(A11)',END=890) PARM
 IF (PARM.EQ.'~PURP10') READ(11,*) (PURP10(I),I=1,2)
 ENDIF
 READ (11,1101,END=890) PARM
 IF (PARM.EQ.'~EXT') THEN
 150 READ (11,*,END=160) ZN(NX), (EXT(NX,J),J=1,6)

```

      NX=NX+1
      GO TO 150
    ENDIF
160 CLOSE(11)

```

WRITE OUT LOV AND HOV MATRIX UPDATE FILES

```

NX=NX-1
IF (HOV.LE.1) XH=0.0
IF (HOV.EQ.2) XH=TRTAXI(1)+TRTAXI(2)
IF (HOV.EQ.3) XH=TRTAXI(2)
IF (HOV.EQ.4) THEN
  XH=TRTAXI(1)
  XH3=TRTAXI(2)
  XH1=MAX(1.0-XH-XH3,0.0)
ENDIF
ITAB=1
WRITE(12,1201) ITAB,NZ,NZ,XH
IF (HOV.EQ.4) THEN
  WRITE(22,1201) ITAB,NZ,NZ,XH3
  WRITE(23,1201) ITAB,NZ,NZ,XH1
ENDIF
201 FORMAT('T',I1,',',1-',I4,',',1-',I4,',',*,',F6.3)
IF (CCD.EQ.'ORL') THEN
  IF (HOV.EQ.2) XH=PURP10(1)+PURP10(2)
  IF (HOV.EQ.3) XH=PURP10(2)
  IF (HOV.EQ.4) THEN
    XH=PURP10(1)
    XH3=PURP10(2)
    XH1=MAX(1.0-XH-XH3,0.0)
  ENDIF
  ITAB=4
  WRITE(12,1201) ITAB,NZ,NZ,XH
  IF (HOV.EQ.4) THEN
    WRITE(22,1201) ITAB,NZ,NZ,XH3
    WRITE(23,1201) ITAB,NZ,NZ,XH1
  ENDIF
ENDIF
DO 210 I=1,NX
  N=ZN(I)
  IF (HOV.EQ.2) XH=EXT(I,1)+EXT(I,2)
  IF (HOV.EQ.3) XH=EXT(I,2)
  IF (HOV.EQ.4) THEN
    XH=EXT(I,1)
    XH3=EXT(I,2)
    XH1=MAX(1.0-XH-XH3,0.0)
  ENDIF
  IF (TRUCK.EQ.1) XH=XH+EXT(I,3)
  ITAB=2
  WRITE(12,1202) ITAB,N,XH
  IF (HOV.EQ.4) THEN
    WRITE(22,1202) ITAB,N,XH3
    WRITE(23,1202) ITAB,N,XH1
  ENDIF
202 FORMAT('ORIGIN, T',I1,',',',I4,',',*,',F6.3)
210 CONTINUE
DO 220 I=1,NX
  N=ZN(I)
  IF (HOV.EQ.2) XH=EXT(I,4)+EXT(I,5)
  IF (HOV.EQ.3) XH=EXT(I,5)

```

```
IF (HOV.EQ.4) THEN
  XH=EXT(I,4)
  XH3=EXT(I,5)
  XH1=MAX(1.0-XH-XH3,0.0)
ENDIF
IF (TRUCK.EQ.1) XH=XH+EXT(I,6)
ITAB=3
WRITE(12,1202) ITAB,N,XH
IF (HOV.EQ.4) THEN
  WRITE(22,1202) ITAB,N,XH3
  WRITE(23,1202) ITAB,N,XH1
ENDIF
220 CONTINUE
GO TO 990
890 CONTINUE
WRITE(*,1070)
070 FORMAT(' PREMATURE END OF DATA ON EXTHOV.SYN')
900 CONTINUE
STOP17
990 STOP
END
```

#####*
#####*
#####*
#####*

TITLE: intab.f
TIME PRINTED: Sat Dec 16 15:34:28 1995
TIME QUEUED: Sat Dec 16 15:33:39 1995
PRINTED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
DELIVER TO: =====> wlw <=====

LAG VALUES:
a=0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
w=80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
P=pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

SUBROUTINE INTAB(LUN, TABLE, ORIGIN, PURP, NDUMMY, IO)
IMPLICIT INTEGER*2 (A-Z)

ROUTINE TO READ LUN INTO IO(500) AND UNPACK INTO TABLE(MAXZON)

PACKING FORM IS -- 2-BIT CODE: 00 DESTINATION(IF ZERO, THEN LAST)
01 LOWER 14 BITS
10 MIDDLE 14 BITS
11 UPPER 4 BITS

-- 14-BIT VALUE

INCLUDE 'tpcom.inc'
INTEGER*4 LUN, TABLE(1), VAL4
INTEGER*2 IO(2)

DATA MASK14/:37777/ -- OCTAL 37777
DATA MASK14/16383/, MIN14/-14/

INITIALIZE

DEST = 0
DO 2 I=1, MAXZON
2 TABLE(I) = 0

READ A BLOCK INTO IO

10 READ (LUN, END=210) N, (IO(I), I=1, N)
IF (IO(1)-ORIGIN) 10, 20, 230
20 IF (IO(2)-PURP) 10, 30, 240

GOT THE DESIRED ORIGIN/PURPOSE COMBINATION

30 IP = 2
50 DEST = DEST+1
60 IP = IP+1
IF (IP.GT.N) GO TO 10

GET A BYTE

IBYTE = IO(IP)
ICODE = ISHFT(IBYTE, MIN14)+1
IBYTE = IAND(IBYTE, MASK14)
VAL4 = IBYTE
GO TO (80, 90, 100, 110), ICODE

(00) CASE -- DESTINATION (IF ZERO, LAST WORD IN RECORD)

80 DEST = IBYTE
IF (DEST.EQ.0) GO TO 10
GO TO 60

(01) CASE -- LOWER 14 BITS

90 TABLE(DEST) = IOR(TABLE(DEST), VAL4)
IF (DEST.EQ.MAXZON) GO TO 9999
GO TO 50

(10) CASE -- MIDDLE 14 BITS

```
100 TABLE(DEST) = IOR(TABLE(DEST), ISHFT(VAL4, 14))
GO TO 60
```

```
(11) CASE -- UPPER 4 BITS (COULD BE NEGATIVE)
```

```
110 TABLE(DEST) = ISHFT(VAL4, 28)
GO TO 60
```

ERROR MESSAGES

```
210 WRITE (*, 211) LUN, ORIGIN, PURP
211 FORMAT (// ' *** IN FILE', I4, ' AT ZONE', I5, ' AND TABLE', I3,
1          ' PREMATURE EOF ***' )
GO TO 250
230 WRITE (*, 231) LUN, ORIGIN, PURP, IO(1), IO(2)
231 FORMAT (// ' *** IN FILE', I4, ' *** ZONAL ORDER ERROR ***' /
1          ' LOOKING FOR ZONE', I5, ' AND TABLE', I3,
2          ' -- FOUND ZONE', I5, ' AND TABLE', I3)
GO TO 250
240 WRITE (*, 241) LUN, ORIGIN, PURP, IO(1), IO(2)
241 FORMAT (// ' *** IN FILE', I4, ' *** TABLE ORDER ERROR ***' /
1          ' LOOKING FOR ZONE', I5, ' AND TABLE', I3,
2          ' -- FOUND ZONE', I5, ' AND TABLE', I3)
250 REWIND LUN
STOP 'Abnormal STOP'

999 RETURN
END
```


#####

TLE: mode9.f
TIME PRINTED: Sat Dec 16 15:34:49 1995
TIME QUEUED: Sat Dec 16 15:33:45 1995
PRINTED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
LIVER TO: =====> wlw <=====

LAG VALUES:
a=0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
w=80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
=pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

PROGRAM MODE9
IMPLICIT INTEGER*4 (A-Z)

```
*****  
MULTIPLE PATH MODE SPLIT MODEL -- MULTI-PERIOD / MULTI-PATH  
MODE6 VERSION - BASED ON MINNEAPOLIS MODEL  
MODE7 VERSION - WITH JITNEYS FOR MIAMI  
Auto Access Trips - December 19, 1992  
MODE8 VERSION - FEBRUARY, 1993  
HBO Sub-purpose - June, 1993  
Default Mode Split - June, 1993  
MODE9 VERSION - JULY, 1993  
Update - September, 1993  
Tolls - December, 1993  
2 & 3+ HOV - February, 1994  
*****
```

PARAMETER (MAXZ = 1500)

```
INCLUDE 'tpcom.inc'  
INCLUDE 'luncom.inc'  
INCLUDE 'prtcom.inc'  
INCLUDE 'control.inc'
```

```
*****  
VARIABLE DEFINITIONS  
*****
```

*** LOGICAL UNITS

```
INTEGER*4 PARAM, LUPTT, LUHSK(3), NSKIM,  
1 LUTSK(4), LUFAR(4), LUTST, LUNOUT(2)  
COMMON/LU/LUPTT, LUHSK, NSKIM, LUTSK, LUFAR, LUTST, LUNOUT
```

*** FILE NAMES

```
CHARACTER*32 FCOEF, FSTAT, A1DECK, PCTWLK, CODWLK(2),  
2 DEFIN(2), DEFOUT(2), TOLLINK
```

*** TABLES

```
INTEGER*2 IZ2, IT2,  
1 A1PKFL(2), FSTPCT(2), NPURPO(2,2), NPURP, PMTAB(11,2,4,2)
```

*** LABELS

```
CHARACTER*8 ITITLE(10,3)  
CHARACTER*80 ITITL2, ITITL3  
EQUIVALENCE (ITITL2, ITITLE(1,2)), (ITITL3, ITITLE(1,3))  
CHARACTER*8 PURP(3,2), NAMEI, NUDATE, NUTIME
```

*** USER PARAMETERS

```
REAL*8 AOC, OC3(5), OCTA(2), TASP, MINRUN(4), INFL(3), DUMRUN(5),  
1 KRFAC, CONTRL(6,2), HOVMIN, AOVAL(4), OC3J(MAXZ), XDEF, DIR(2,2)  
REAL*4 RMS(2), CTOLL  
REAL*8 APREM(3,2), ALOCAL(3,2), MSMIN(2), TTTSHR, TFERS(6,4,2)  
INTEGER*2 INZN, PERIOD, PURPS, SELI, SELJ, VAL, RAILAC, HOV, JITNEY,  
1 CYCLE, VERS, TSUBPR, CODE, DEFI, DEFO, DEFMKT, DEFX, IDEF(6),  
2 IPER(6), ICYCLE(6), WKPER(6), JPER, WKPK, NP, NS, TOLL
```

```
LOGICAL*4 EXISTS
INTEGER*4 DEFMS
COMMON/PARAMS/ITITLE, PERIOD, PURPS
COMMON/UPARMS/AOC, OC3, OCTA, TASP, MINRUN, INFL, MSMIN, KRFA,
1 HOV, RAILAC, VAL, JITNEY, HOVMIN, VERS, DEFO, RMS, WKPK, DEFI, CYCLE, NP,
2 NS, JPER, DEFX, TOLL
COMMON/DEF/DEFMS (MAXZ, 3, 2)
COMMON/REP/CONTRL, APREM, ALOCAL, TFERS, NXF
```

*** MODEL COEFFICIENTS

```
REAL*8 COEF(97, 3), WALKC(2), AUTOC(2), TRUNC(2), WTTAC(2), WTTBC(2),
1 XFTC(2), NXFC(2), FAREC(2), ATRMC(2), ARUNC(2), ACSTC(2), APRKC(2),
2 TWLCRC(3, 2), TWLDTC(2), TWPCRC(3, 2), TWPDTC(2),
3 TPRCRC(3, 2), TPRDTC(2), TKRCRC(3, 2), TKRDTC(2),
4 AU1CRC(3, 2), AU1DTC(2), AU2CRC(3, 2), AU2DTC(2),
5 AU3CRC(3, 2), AU3DTC(2), JCRC(3, 2), JDTC(2), JNSTC(2),
6 TTNSTC(2), TWNSTC(2), TANSTC(2), ATNSTC(2), SHNSTC(2),
7 TWLXPC(2), TWLXAC(2), TWPXPC(2), TWPXAC(2), TPRXPC(2), TPRXAC(2),
8 TKRXP(2), TKRXAC(2), AU1XPC(2), AU1XAC(2), AU2XPC(2), AU2XAC(2),
9 AU3XPC(2), AU3XAC(2), JXPC(2), JXAC(2), HOVDIFFC(2), MEET2C(3, 2),
A MEET3C(3, 2), SPCRC(3, 3, 4)
COMMON/COEFS/COEF, WALKC, AUTOC, TRUNC, WTTAC, WTTBC, XFTC, NXFC, FAREC,
1 ATRMC, ARUNC, ACSTC, APRKC, TWLCRC, TWLDTC, TWPCRC, TWPDTC, TPRCRC,
2 TPRDTC, TKRCRC, TKRDTC, AU1CRC, AU1DTC, AU2CRC, AU2DTC, AU3CRC, AU3DTC,
3 TTNSTC, TWNSTC, TANSTC, ATNSTC, SHNSTC, TWLXPC, TWLXAC, TWPXPC, TWPXAC,
4 TPRXPC, TPRXAC, TKRXP, TKRXAC, AU1XPC, AU1XAC, AU2XPC, AU2XAC, AU3XPC,
5 AU3XAC, JCRC, JDTC, JNSTC, JXPC, JXAC, HOVDIFFC, MEET2C, MEET3C, SPCRC
REAL*4 AC1CRC (MAXZ, 3), AC2CRC (MAXZ, 3), AC3CRC (MAXZ, 3)
COMMON/BLEND/AC1CRC, AC2CRC, AC3CRC
```

*** STATION DATA

```
REAL STMAXD(200), STWALK(200, 2), SUMSTA(200, 2, 3)
INTEGER*4 STNUM(200), STNODE(200), STZONE(200), STPKSP(200),
1 STPKCS(200, 2), STUSE(200)
CHARACTER*8 STNAME(2, 200)
INTEGER*2 TWSN, TASN
COMMON/STA/SUMSTA, STNODE
```

*** ZONAL DATA

```
COMMON /IZCOM/ APKCS (MAXZ), Z (MAXZ), CAR (MAXZ, 3), CBD (MAXZ),
1 PSWPCT (MAXZ), ASWPCT (MAXZ), PLWPCT (MAXZ), ALWPCT (MAXZ), CODEWK (MAXZ),
2 EXURB (MAXZ)
REAL PSWPCT, ASWPCT, PLWPCT, ALWPCT, CODEWK
INTEGER*2 CBD, EXURB, CAR, APKCS, PRKCST(2), RCAR(3, 2), CBDDUM, EXDUMP,
1 EXDUMA, WLKPCT(8), Z, IV2
INTEGER*4 NETWLK
REAL*8 PCTCAR(3), PCTACC(7)
```

*** INPUT ROW DATA

```
COMMON /IMCOM/ TRIPS (MAXZ, 2), RHDIST (MAXZ), RHTIME (MAXZ),
1 HHDIST (MAXZ), HHTIME (MAXZ), MODE13 (MAXZ, 4), MODE2 (MAXZ, 4),
1 MODE48 (MAXZ, 4), MODE567 (MAXZ, 4), NTRXF (MAXZ, 4), WAIT1 (MAXZ, 4),
2 WAIT2 (MAXZ, 4), FARES (MAXZ, 4), BSTA2 (MAXZ), BSTA3 (MAXZ),
3 LTOLL (MAXZ), HTOLL (MAXZ), H3TIME (MAXZ), H3DIST (MAXZ), H3TOLL (MAXZ)
INTEGER*4 TRIPS, RHDIST, RHTIME, HHDIST, HHTIME, MODE13, MODE2,
1 MODE48, MODE567, NTRXF, WAIT1, WAIT2, FARES,
```

2 BSTA2, BSTA3, LTOLL, HTOLL, H3TIME, H3DIST, H3TOLL

*** IMPEDANCE VARIABLES

REAL*8 MAXSHT, WLKSPD, PRDSHT, PRDLNG, ATTSHT, ATTLNG, WLKSKM, WLKOTH,
1 WALK(5, 7), AUTO(5), WATSKM, WTTA(5), WTTB(5), LCLSKM, PRMSKM, AUTPR,
2 TRUN(5), XFT(5), NXF(5), FARE(5), ATRM(3), LOVDIS, LOVTIM, HOVDIS,
3 HOVTIM, ADIS(3), ATIM(3), ACST(3), APRK(3), TAOC(5), PKCST(5), HSAVE,
4 LOVTOL, HOVTOL, ATOL(3), HOVDIS3, HOVTIM3, HOVTOL3

*** UTILITIES, EXPONENTS, SHARES, AND LOGSUMS

REAL*8 AUUT(3), TRUT(5), NEST, UTIL, AU1EXP(3), DAEXP(3),
1 AU2EXP(3), AU3EXP(3), A23EXP(3), AU2SHR(3), AU3SHR(3), A23LGS(3),
2 SHEXP(3), ATEXP(3), DASHR(3), SHSHR(3), ATLGS(3), AEXP(3),
3 TWLBEXP(7, 3), TJITEXP(7, 3), TWPEXP(7, 3), TLJEXP(7, 3), TWLBSHR(7, 3),
4 TJITSHR(7, 3), TWPSHR(7, 3), TLJLGS(7, 3), TWLEXP(7, 3), TWTEXP(7, 3),
5 TPREXP(7, 3), TKREXP(7, 3), TATEXP(7, 3), TWLSHR(7, 3), TWTLGS(7, 3),
6 TPRSHR(7, 3), TKRSHR(7, 3), TATLGS(7, 3), TAEXP(7, 3), TWEXP(7, 3),
7 TTEXP(7, 3), TWSHR(7, 3), TASHR(7, 3), TTLGS(7, 3), TEXP(7, 3),
8 MEXP(7, 3), ASHR(7, 3), TSHR(7, 3)

*** TRIPS

REAL*8 PTRIP, MTRIP(10), PERTRP, DATRP, AU2TRP, AU3TRP, TWLBTRP, TJITTRP,
1 TWPTRP, TPRTTRP, TKRTRP, GRAB(11, 2)
REAL*8 TTSUM(10, 17, 3), REV(10, 3), PKREV(3)
COMMON/TSUM/TTSUM, REV, PKREV, PTRIP, MTRIP, PERTRP, DATRP, AU2TRP,
1 AU3TRP, TWLBTRP, TJITTRP, TWPTRP, TPRTTRP, TKRTRP, GRAB

*** OUTPUT ROW DATA

COMMON /OMCOM/ TABSO(MAXZ, 11, 2), TABLE(MAXZ), STAACC(MAXZ, 2)
INTEGER*4 TABSO, TABLE
INTEGER*4 JPARK
REAL XTEMP, STAACC

*** MISC CONTROL

LOGICAL*2 INFILE
CHARACTER*1 EJECT
INTEGER*2 ZONES
CHARACTER*3 NAME(6, 2)
COMMON /NAMES/NAME
INTEGER*2 IO(500), NDUMMY
EQUIVALENCE (ZONES, MAXZON)

*** DATA STATEMENTS

DATA FCOEF/'MODE9.SYN' /, FSTAT/'STATDATA.tin' /
DATA SELI/0/, SELJ/0/
DATA PURP/'HBWRK', ' ', ' ', ' ', ' ', ' ',
1 'HBNWK', 'NHB', ' ', ' ', 'TOTNW' /
DATA A1DECK/'A1DECK.TEM' /, A1PKFL/1, 2/, TOLLINK/'TOLLINK.hin' /,
1 PCTWLK/'PCWALK.tin' /, FSTPCT/1, 5/,
2 CODWLK/'CODWAM.tot', 'CODWMD.tot' /
DATA DEFIN /'DEFMSAM.DEF', 'DEFMSMD.DEF' /,
1 DEFOUT/'DEFMSAM.tot', 'DEFMSMD.tot' /
DATA NPURPO/7, 5, 10, 10/, INFILE/.TRUE./
DATA PMTAB/101, 102, 103, 109, 110, 101, 111, 000, 000, 000, 000,

```

1      104,106,107,108,105,000,000,000,000,000,000,
2      000,000,000,000,000,000,109,000,000,000,000,000,
3      000,000,000,000,000,000,000,000,000,000,000,000,
4      000,000,000,000,000,000,110,000,000,000,000,000,
5      000,000,000,000,000,000,000,000,000,000,000,000,
6      000,000,000,000,000,000,000,000,000,000,000,000,
7      000,000,000,000,000,000,000,000,000,000,000,000,
8      101,102,103,201,202,203,109,110,111,211,000,
9      104,106,107,108,204,206,207,208,105,205,000,
1     000,000,000,000,000,000,000,209,210,000,000,000,
2     000,000,000,000,000,000,000,000,000,000,000,000,
3     000,000,000,000,000,000,000,000,000,000,000,000,
4     000,000,000,000,000,000,000,000,000,000,000,000,
5     000,000,000,000,000,000,000,000,000,000,000,000,
6     000,000,000,000,000,000,000,000,000,000,000,000/
DATA MAXSHT/0.333/,WLKSPD/2.5/,DIR/2.0,2.0,2.0,1.0/,
1     PKCST/5*0.0/
DATA IDEF/2,2,2,1,1,1/,IPER/1,2,1,1,1,2/,ICYCLE/0,0,1,0,0,0/,
1     WKPER/1,1,1,2,1,1/

```

*** INITIALIZE

```

CALL DATTIM(NUDATE,NUTIME)
MACHIN='IBMPC'
MACHIN='IBMAIX'
EJECT=CHAR(12)
PARAM=10
VAL=0
RAILAC=0
VERS=1
TOLL=1
DO 7 I=1,2
DO 5 J=1,3
APREM(J,I)=0.0
ALOCAL(J,I)=0.0
DO 5 K=1,200
SUMSTA(K,I,J)=0.0
5 CONTINUE
DO 7 J=1,11
GRAB(J,I)=0.5
7 CONTINUE

```

READ PERIOD

```

INQUIRE(FILE='AM',EXIST=EXISTS)
IF (EXISTS) CODE = 1
INQUIRE(FILE='MD',EXIST=EXISTS)
IF (EXISTS) CODE = 2
INQUIRE(FILE='AMDEF',EXIST=EXISTS)
IF (EXISTS) CODE = 4
INQUIRE(FILE='MDDEF',EXIST=EXISTS)
IF (EXISTS) CODE = 6
DEFX=2
10 CONTINUE
CYCLE=ICYCLE(CODE)
DEFI=IDEF(CODE)
PERIOD=IPER(CODE)
WKPK=WKPER(CODE)
IF(DEFI.EQ.1) THEN
    INQUIRE(FILE=DEFIN(PERIOD),EXIST=EXISTS)

```

```

IF (EXISTS) THEN
  DEFX=1
  OPEN (71, FILE=DEFIN (PERIOD) , STATUS=' OLD' , FORM=' UNFORMATTED' )
  READ (71) HEAD1, HEAD2
ENDIF
ENDIF
GDATE=NUDATE
GTIME=NU TIME

```

READ NUMBER OF INTERNAL ZONES FROM PROFILE.MAS

```

OPEN (1, FILE=' PROFILE.MAS' , FORM=' FORMATTED' , STATUS=' OLD' )
80 READ (1, 2000, END=90) NAMEI
000 FORMAT (10A8)
IF (NAMEI.EQ.' &ZONESI' ) READ (1, *) INZN
IF (NAMEI.EQ.' &SELI' ) READ (1, *) SELI
IF (NAMEI.EQ.' &SELJ' ) READ (1, *) SELJ
GO TO 80
90 CLOSE (1)

```

*** OPEN OUTPUT REPORT FILE

```

TPOUT=2
OPEN (TPOUT, FILE=' MODE9 .OUT' , FORM=' FORMATTED' )

```

*** READ IN CONTROL FILE TO GET THE FIRST TITLE RECORD

```

OPEN (1, FILE=' FSUTMS.CTL' , STATUS=' OLD' , FORM=' FORMATTED' )
100 READ (1, 2000, END=101) NAMEI
IF (NAMEI.EQ.' ~TITLE ' ) READ (1, 2000) (ITITLE (I, 1) , I=1, 10)
GO TO 100
101 CLOSE (1)

```

*** SET THE REST OF THE TITLE

```

ITITL2=' '
ITITL3=' '

```

*** READ MODEL COEFFICIENTS AND CONSTANTS

```

OPEN (1, FILE=FCOEF, STATUS=' OLD' , FORM=' FORMATTED' )
DO 110 I=1, 97
  IF (PERIOD.EQ.1) THEN
    READ (1, 2010) COEF (I, 1)
  ELSE
    IF (I.GE.68.AND.I.LE.76) THEN
      READ (1, 2010) COEF (I, 1) , COEF (I, 2) , COEF (I, 3)
    ELSE
      READ (1, 2010) XTEMP, COEF (I, 1) , COEF (I, 2)
    ENDIF
  ENDIF
2010 FORMAT (3F10.4)
110 CONTINUE

```

*** READ VALIDATION CONTROL VALUES (IF AVAILABLE')

```

DO 112 I=1, 5
  IF (PERIOD.EQ.1) READ (1, 2011, END=114) CONTRL (I, 1)
2011 FORMAT (3F10.0)
  IF (PERIOD.EQ.2) READ (1, 2011, END=114) XTEMP, CONTRL (I, 1) ,

```

```

1     CONTRL(I,2)
112  CONTINUE
114  CONTINUE
      PURPS=PERIOD
      DO 116 J=1,PURPS
        CONTRL(6,J)=0.0
      DO 116 I=1,5
        CONTRL(6,J)=CONTRL(6,J)+CONTRL(I,J)
116  CONTINUE
      CLOSE(1)
      IF(DEFI.EQ.1) GO TO 122

***  READ STATION DATA

      CALL GETALT(FSTAT,INFILE)
      OPEN(1,FILE=FSTAT,STATUS='OLD',FORM='FORMATTED')
      IS=0
120  CONTINUE
      IS=IS+1
      IF(IS.GT.200) GOTO 121
      READ(1,2020,END=121) STNUM(IS),STNODE(IS),STZONE(IS),STMAXD(IS),
1  STPKSP(IS),(STPKCS(IS,J),J=1,2),(STWALK(IS,J),J=1,2),STUSE(IS),
2  (STNAME(J,IS),J=1,2)
:020  FORMAT(I4,2I6,F6.2,3I6,2F6.1,I3,2A8)
      GOTO 120
121  CONTINUE
      NS=IS
      CLOSE(1)
122  CONTINUE

***  SET AND WRITE USER-CODED PARAMETERS

      WRITE(TPOUT,6000) EJECT
:5000  FORMAT(A1)
      WRITE(TPOUT,6001) GDATE,GTIME,(ITITLE(IT,1),IT=1,10),
1  NAME(2,1),NAME(4,1),NAME(6,1)
:5001  FORMAT(' FLORIDA URBAN TRANSPORTATION PLANNING',/,
1  ' MODE CHOICE MODEL',//1X,A8,115X,A8//1X,10A8//
2  '   BASE DATA: ',A3/
3  ' HIGHWAY DATA: ',A3/
4  ' TRANSIT DATA: ',A3//
5  ' USER-CODED PARAMETERS',//)
:      IF(PURP(2,PERIOD).EQ.' ') THEN
          PURPS=1
      ELSE
          PURPS=2
      ENDIF
      NP=1
      IF(PURPS.GT.1) NP=3
      DO 200 P=1,NP
          WRITE(TPOUT,6012) P,PURP(P,PERIOD)
:5012  FORMAT(' TRIP PURPOSE ',I1,' = ',A5,/)
200  CONTINUE
      IF(DEFI.EQ.1.AND.DEFX.EQ.2) WRITE(TPOUT,6013)
:5013  FORMAT('/ REGIONAL DEFAULT TRANSIT MODE SPLITS USED'/)
      IF(DEFI.EQ.1.AND.DEFX.EQ.1) WRITE(TPOUT,6014)
:5014  FORMAT('/ ZONAL DEFAULT TRANSIT MODE SPLITS USED'/)
      IF(WKPK.EQ.2) WRITE(TPOUT,6015)
:6015  FORMAT('/ OFF-PEAK BEING USED FOR WORK MODEL'/)
      CALL PARMS(PURP)

```

```

IF (SELI.GT.0.AND.SELJ.GT.0) THEN
WRITE(TPOUT,6098) SELI
6098  FORMAT('/' SELECTED I-ZONE = ',I4)
WRITE(TPOUT,6099) SELJ
6099  FORMAT('/' SELECTED J-ZONE = ',I4)
ENDIF

*****
OPEN TRANPLAN INPUT TABLES
*****
CALL TPOPEN

*** TOLL PARAMETER

IF (TOLL.EQ.1) THEN
CALL GETALT(TOLLLINK,INFILE)
OPEN (PARAM,FILE=TOLLLINK,STATUS='OLD',FORM='FORMATTED')
READ (PARAM,'(7X,F5.2)') CTOLL
CLOSE (PARAM)
WRITE(TPOUT,6016) CTOLL
6016  FORMAT('/' CTOLL OF ',F6.2,' BEING USED IN HIGHWAY ANALYSIS')
CTOLL=CTOLL*60.0
ENDIF

*** WRITE COEFFICIENTS

CALL SETCOEF(PURP)
IF (DEFO.EQ.1) THEN
INFILE = .FALSE.
CALL GETALT(DEFOUT(PERIOD),INFILE)
OPEN (72,FILE=DEFOUT(PERIOD),STATUS='NEW',FORM='UNFORMATTED')
ENDIF
IF (DEFI.EQ.1.OR.VAL.EQ.1) GO TO 222

*** WRITE STATION DATA

WRITE(TPOUT,6000) EJECT
WRITE(TPOUT,6200) GDATE,GTIME,(ITITLE(IT,1),IT=1,10)
6200  FORMAT(' FLORIDA URBAN TRANSPORTATION PLANNING'//
1 ' MODE CHOICE MODEL',//1X,A8,113X,A8//1X,10A8//
2 ' STATION DATA'//
3 21X,' Max. P-R K-R'//
4 21X,' Drive Total Park Walk Walk'//
5 ' No. Station Name ',
6 ' Node Zone Dist Spaces Cost Time Time')
DO 220 IS=1,NS
IF (STUSE(IS).GT.0) WRITE(TPOUT,6210) STNUM(IS),
1 (STNAME(J,IS),J=1,2),
2 STNODE(IS),STZONE(IS),STMAXD(IS),STPKSP(IS),STPKCS(IS,PERIOD),
3 (STWALK(IS,J),J=1,2)
6210  FORMAT(1X,I3,1X,2A8,2I6,F6.1,I8,I6,2F6.1)
220  CONTINUE
222  CONTINUE
TSUBPR=VERS+2

*****
READ A1 DECK AND WALK DATA
*****

*** PARKING COSTS, TERMINAL TIMES, AND AUTO OWNERSHIP DATA

```

```

OPEN(PARAM, FILE=A1DECK, STATUS='OLD', FORM='FORMATTED')
DO 410 I=1, ZONES
  READ(PARAM, 2100) Z(I), PRKCST, ((RCAR(J, K), J=1, 3), K=1, 2), IV2,
1    (AOVAL(L), L=1, TSUBPR)
  IF(IV2.EQ.1) CBD(I)=1
  IF(IV2.EQ.2) EXURB(I)=1
  K=A1PKFL(PERIOD)
  IF(PERIOD.EQ.2) THEN
    OC3J(I)=OC3(1)*AOVAL(1)
    DO 370 L=2, TSUBPR
      OC3J(I)=OC3J(I)+OC3(L+1)*AOVAL(1)
370  CONTINUE
    DO 390 J=1, 3
      AC1CRC(I, J)=0.0
      AC2CRC(I, J)=0.0
      AC3CRC(I, J)=0.0
      DO 380 L=1, TSUBPR
        AC1CRC(I, J)=AC1CRC(I, J)+AOVAL(L)*SPCRC(1, J, L)
        AC2CRC(I, J)=AC2CRC(I, J)+AOVAL(L)*SPCRC(2, J, L)
        AC3CRC(I, J)=AC3CRC(I, J)+AOVAL(L)*SPCRC(3, J, L)
380  CONTINUE
390  CONTINUE
      ENDIF
      DO 400 J=1, 3
        CAR(I, J)=RCAR(J, K)
400  CONTINUE
debug
      if(i.eq.seli.and.period.eq.2) then
        write(tpout, 1058) (aoval(l), l=1, 4)
.058  format(' aoval: ', 4f10.5)
        do 401 j=1, 3
          write(tpout, 1057) j, (spcrc(1, j, l), l=1, 4),
1      (spcrc(2, j, l), l=1, 4), (spcrc(3, j, l), l=1, 4)
.057  format(' j, spcrc (1, j, x): ', i4, 4f10.5/
1      '      spcrc (2, j, x): ', 4x, 4f10.5/
2      '      spcrc (3, j, x): ', 4x, 4f10.5/)
401  continue
        endif
        APKCS(I)=PRKCST(K)
:100  FORMAT(6X, 3I5, 3X, 3I4, 3X, 3I4, 3X, I1, 4F5.4)
410  CONTINUE
      CLOSE(PARAM)
      IF(DEFI.EQ.1) GO TO 440
: *** PERCENT WALKS AND CODED TIME

      INFILE = .TRUE.
      CALL GETALT(PCTWLK, INFILE)
      OPEN(PARAM, FILE=PCTWLK, STATUS='OLD', FORM='FORMATTED')
      DO 420 I=1, ZONES
        READ(PARAM, 2110) WLKPCT
2110  FORMAT(5X, 8I6)
        PSWPCT(I)=WLKPCT(FSTPCT(PERIOD))/100.0
        ASWPCT(I)=WLKPCT(FSTPCT(PERIOD)+1)/100.0
        PLWPCT(I)=WLKPCT(FSTPCT(PERIOD)+2)/100.0-PSWPCT(I)
        ALWPCT(I)=WLKPCT(FSTPCT(PERIOD)+3)/100.0-ASWPCT(I)
        IF(PLWPCT(I).LT.0.0 .OR. ALWPCT(I).LT.0.0) THEN
          WRITE(*, 9801) I
9801  FORMAT(' *** ZONE', I5, ', , PERCENT WALK ERROR ***')

```



```

        GOTO 9900
    ENDIF
420 CONTINUE
    CLOSE (PARAM)
    INFILE = .FALSE.
    CALL GETALT(CODWLK(PERIOD), INFILE)
    OPEN(PARAM, FILE=CODWLK(PERIOD), STATUS='OLD', FORM='FORMATTED')
    DO 430 I=1, ZONES
        READ(PARAM, 2130) NETWLK
        CODEWK(I)=NETWLK/10.0
:130    FORMAT(5X, I6)
430 CONTINUE
    CLOSE (PARAM)
440 CONTINUE

```

```

*****
SET UP OUTPUT TABLES
*****

```

```

    IF(SELJ.GT.0 .OR. SELI.GT.0) GOTO 590

```

```

: *** SET UP COMMON OUTPUT HEADERS

```

```

    TESSUM=.FALSE.
    CALL DATTIM(GDATE, GTIME)
    FUNCT(1)='FSUTMS M'
    FUNCT(2)='ODE CHOI'
    FUNCT(3)='CE (MP-M'
    FUNCT(4)='P'
    DO 500 J=1, 3
    DO 500 I=1, 10
500 TITLE(I, J) = ITITLE(I, J)

```

```

*** OPEN THE OUTPUT FILES

```

```

    CALL TPOPEN2(NPURPO)

```

```

*** INITIALIZATION

```

```

590 CONTINUE
    IF(DEFI.EQ.2) THEN
        DO 600 I=1, 6
            DO 600 J=1, 4
                DO 600 K=1, 2
                    TFERS(I, J, K)=0
600 CONTINUE
            DO 620 P=1, 3
                PKREV(P)=0.0
            DO 610 I=1, 10
                REV(I, P)=0.0
            DO 610 JK=1, 17
                TTSUM(I, JK, P)=0.0
610 CONTINUE
620 CONTINUE
    ENDIF

```

```

*****
BEGIN LOOP ON PRODUCTION ZONES
*****
DO 1900 IZ=1, ZONES

```

IZ2=IZ

INITIALIZE TABSO

```
DO 700 JZ=1,ZONES
DO 700 L=1,2
  STAACC(JZ,L)=0.0
DO 700 K=1,11
  TABSO(JZ,K,L)=0
```

700 CONTINUE

```
IF (MOD(IZ,100).EQ.0) WRITE (*,4000) IZ,ZONES
write(*,4000) iz,zones
```

4000 FORMAT (' MODE9 -- at zone =',I5,' of total zones =',I5)

*** GET PERCENTS BY CAR OWNERSHIP CATEGORY

```
PCTCAR(1)=CAR(IZ,1)/100.0
PCTCAR(2)=CAR(IZ,2)/100.0
PCTCAR(3)=1.0-PCTCAR(1)-PCTCAR(2)
```

*** CALCULATE PRODUCTION SHORT AND LONG WALK TIMES

```
IF(DEFI.EQ.2) THEN
  IF(PSWPCT(IZ).LT.1.00) THEN
    PRDSHT=60*(MAXSHT/2.0)/WLKSPD
    PRDLNG=CODEWK(IZ)
  ELSE
    PRDSHT=CODEWK(IZ)
    PRDLNG=999.9
  ENDIF
ENDIF
```

ENDIF

LOAD TRANPLAN TABLES

CALL TPLOAD(IZ2)

BEGIN LOOP ON ATTRACTION ZONES

```
IF(SELI.GT.0 .AND. SELI.GT.IZ) GOTO 1900
DO 1800 JZ=1,ZONES
IF(SELJ.GT.0 .AND. SELJ.NE.JZ) GOTO 1800
```

*** IF NO PERSON TRIPS, SKIP ATTRACTION ZONE

```
DO 810 P=1,PURPS
  IF(TRIPS(JZ,P).GT.0) GOTO 820
810 CONTINUE
  GOTO 1800
820 CONTINUE
  IF(DEFI.EQ.1) GO TO 980
```

*** CALCULATE PERCENTS BY ACCESS CATEGORY

```
PCTACC(1)=PSWPCT(IZ)*ASWPCT(JZ)
PCTACC(2)=PSWPCT(IZ)*ALWPCT(JZ)
PCTACC(3)=PLWPCT(IZ)*ASWPCT(JZ)
PCTACC(4)=PLWPCT(IZ)*ALWPCT(JZ)
```

```

PCTACC(5) = (1.0 - PSWPCT(IZ) - PLWPCT(IZ)) * ASWPCT(JZ)
PCTACC(6) = (1.0 - PSWPCT(IZ) - PLWPCT(IZ)) * ALWPCT(JZ)
PCTACC(7) = 1.0 - PCTACC(1) - PCTACC(2) - PCTACC(3) - PCTACC(4)
1          - PCTACC(5) - PCTACC(6)

```

*** CALCULATE ATTRACTION SHORT AND LONG WALK TIMES

```

IF(ASWPCT(JZ) .LT. 1.00) THEN
  ATTSHT=60*(MAXSHT/2.0)/WLKSPD
  ATTLNG=CODEWK(JZ)
ELSE
  ATTSHT=CODEWK(JZ)
  ATTLNG=999.9
ENDIF

```

 CALCULATE TRANSIT IMPEDANCES

*** TRANSIT WALK TIMES BY ACCESS CATEGORY
 *** SCALE FROM HUNDRETHS TO MINUTES

```

DO 900 J=1,7
WALK(4,J)=0.0
900 CONTINUE
DO 910 I=1,NSKIM
WLKSKM=MODE13(JZ,I)/100.0
IF(I.NE.3) THEN
  WLKOTH=WLKSKM-CODEWK(IZ)-CODEWK(JZ)
  IF(WLKOTH.LE.0.0) WLKOTH=0.0
  WALK(I,1)=WLKOTH+PRDSHT+ATTSHT
  WALK(I,2)=WLKOTH+PRDSHT+ATTLNG
  WALK(I,3)=WLKOTH+PRDLNG+ATTSHT
  WALK(I,4)=WLKOTH+PRDLNG+ATTLNG
  WALK(I,5)=999.9
  WALK(I,6)=999.9
  WALK(I,7)=999.9
ELSE
  WLKOTH=WLKSKM-CODEWK(JZ)
  IF(WLKOTH.LE.0.0) WLKOTH=0.0
  WALK(I,1)=WLKOTH+ATTSHT
  WALK(I,2)=WLKOTH+ATTLNG
  WALK(I,3)=WALK(I,1)
  WALK(I,4)=WALK(I,2)
  WALK(I,5)=WALK(I,1)
  WALK(I,6)=WALK(I,2)
  WALK(I,7)=999.9
ENDIF
910 CONTINUE

```

*** CALCULATE TRANSIT AUTO ACCESS TIMES
 *** SCALE FROM HUNDRETHS TO MINUTES

```

AUTO(4)=0.0
DO 920 I=1,NSKIM
AUTO(I)=(MODE2(JZ,I))/100.0

```

Check for auto time on walk to transit paths

```

IF(I.NE.3 .AND. AUTO(I).GT.0) THEN

```

```

    (write error message !!!)
    GOTO 1800
ENDIF
920 CONTINUE

*** CALCULATE TRANSIT FIRST WAIT TIMES
*** SCALE FROM HUNDRETHS TO MINUTES

WTTA(4)=0.0
WTTB(4)=0.0
DO 930 I=1,NSKIM
WATSKM=(WAIT1(JZ,I))/100.0
IF(WATSKM.LE.7.00) THEN
    WTTA(I)=WATSKM
    WTTB(I)=0.0
ELSE
    WTTA(I)=7.0
    WTTB(I)=WATSKM-7.0
ENDIF
930 CONTINUE

*** CALCULATE TRANSIT RUN TIMES
*** SCALE FROM HUNDRETHS TO WHOLE MINUTES

TRUN(4)=0.0
AUTPR=0.0
DO 940 I=1,NSKIM
LCLSKM=MODE48(JZ,I)/100.0
PRMSKM=MODE567(JZ,I)/100.0
IF(I.EQ.3) AUTPR=PRMSKM
TRUN(I)=LCLSKM+PRMSKM

Check for premium run time on walk to local transit paths

IF((I.EQ.1 .OR. I.EQ.4) .AND. PRMSKM.GT.0) THEN
    (write error message !!!)
    GOTO 1800
ENDIF

Check if walk to premium transit path exists

IF(I.EQ.2 .AND. PRMSKM.EQ.0) TRUN(2)=0.0

Check if auto to best transit path exists

IF(I.EQ.3 .AND. AUTO(3).LT.0.01) TRUN(3)=0.0
940 CONTINUE

*** CALCULATE TRANSIT TRANSFER TIMES AND NUMBER OF TRANSFERS
*** SCALE FORMER FROM HUNDRETHS TO MINUTES

XFT(4)=0.0
NXF(4)=0.0
DO 950 I=1,NSKIM
XFT(I)=(WAIT2(JZ,I))/100.0
NXF(I)=NTRXF(JZ,I)
950 CONTINUE

*** CALCULATE TRANSIT FARES AND COSTS IN CENTS

```

```

FARE(4)=0.0
DO 960 I=1,NSKIM
FARE(I)=FARES(JZ,I)
960 CONTINUE
PKCST(3)=0.0

```

*** DEFINE KISS-RIDE IMPEDANCES FROM PARK-RIDE PATH

```

DO 970 J=1,7
WALK(5,J)=WALK(3,J)
970 CONTINUE
AUTO(5)=AUTO(3)*KRFAC
WTTA(5)=WTTA(3)
WTTB(5)=WTTB(3)
TRUN(5)=TRUN(3)
XFT(5)=XFT(3)
NXF(5)=NXF(3)
FARE(5)=FARE(3)
980 CONTINUE

```

```

*****
CALCULATE AUTO IMPEDANCES
*****

```

*** AUTO TERMINAL TIMES

```

ATRM(1)=Z(IZ)+Z(JZ)
ATRM(2)=ATRM(1)
ATRM(3)=ATRM(1)

```

*** CALCULATE AUTO DISTANCES AND TIMES
*** SCALE DISTANCE FROM HUNDRETHS TO MILES
*** SCALE TIME FROM HUNDRETHS TO MINUTES

```

LOVTOL=LTOLL(JZ)
LOVDIS=(RHDIST(JZ))/100.0
LOVTIM=(RHTIME(JZ)-LOVTOL*CTOLL)/100.0
ADIS(1)=LOVDIS
ATIM(1)=LOVTIM
ATOL(1)=LOVTOL
IF(HOV.EQ.1) THEN
  ADIS(2)=LOVDIS
  ATIM(2)=LOVTIM
  ATOL(2)=LOVTOL
  ADIS(3)=LOVDIS
  ATIM(3)=LOVTIM
  ATOL(3)=LOVTOL
ELSE
  HOVTOL=HTOLL(JZ)
  HOVDIS=(HHDIST(JZ))/100.0
  HOVTIM=(HHTIME(JZ)-HOVTOL*CTOLL)/100.0
ENDIF
IF(HOV.EQ.2) THEN
  ADIS(2)=HOVDIS
  ATIM(2)=HOVTIM
  ATOL(2)=HOVTOL
  ADIS(3)=HOVDIS
  ATIM(3)=HOVTIM
  ATOL(3)=HOVTOL
ENDIF

```

```

IF (HOV.EQ.3) THEN
  ADIS(2)=LOVDIS
  ATIM(2)=LOVTIM
  ATOL(2)=LOVTOL
  ADIS(3)=HOVDIS
  ATIM(3)=HOVTIM
  ATOL(3)=HOVTOL
ENDIF
IF (HOV.EQ.4) THEN
  HOVTOL3=H3TOLL(JZ)
  HOVDIS3=(H3DIST(JZ))/100.0
  HOVTIM3=(H3TIME(JZ)-HOVTOL3*CTOLL)/100.0
  ADIS(2)=HOVDIS
  ATIM(2)=HOVTIM
  ATOL(2)=HOVTOL
  ADIS(3)=HOVDIS3
  ATIM(3)=HOVTIM3
  ATOL(3)=HOVTOL3
ENDIF

```

HOV TIME SAVINGS

```

HSAVE=LOVTIM-HOVTIM
IF (HSAVE.LT.HOVMIN.OR.HOV.EQ.1) HSAVE=0.0
debug
  if(iz.eq.seli.and.jz.eq.selj) write(tpout,4410) iz,jz,adis,atim,
  1 atol,hsave,defi,defo,defx,
  2 defms(jz,1,p),defms(jz,2,p),defms(jz,3,p)
4410 format(' auto distance and time check at ',2i5/
  1 ' dist: ',3f12.4/' time: ',3f12.4/' toll: ',3F12.4/,
  2 'hsave: ',f12.4/' defi,defo,defx: ',3i4/' defms: ',3i6)

```

*** ADD STATION IMPEDANCES TO TRANSIT KISS-RIDE AND PARK-RIDE

```

IF (DEFI.EQ.2) THEN
  TWSN=BSTA2(JZ)
  if(railac.eq.1 .and. twsn.ge.1 .and. twsn.le.ns) then
    do 1010 j=1,6
      walk(2,j)=walk(2,j)+stwalk(twsn,2)
1010    continue
  endif
  TASN=BSTA3(JZ)
  IF (TASN.GE.1 .AND. TASN.LE.NS) THEN
    DO 1020 J=1,6
      WALK(3,J)=WALK(3,J)+STWALK(TASN,1)
      WALK(5,J)=WALK(5,J)+STWALK(TASN,2)
1020    CONTINUE
  ENDIF
ENDIF

```

SUBSTITUTE BLENDED HBO COEFFICIENTS

```

IF (PERIOD.EQ.2) THEN
  OC3(1)=OC3J(JZ)
  DO 1030 K=1,3
    AU1CRC(K,1)=AC1CRC(JZ,K)
    AU2CRC(K,1)=AC2CRC(JZ,K)
    AU3CRC(K,1)=AC3CRC(JZ,K)
1030    CONTINUE
ENDIF

```

```

debug
  if(iz.eq.seli .and. jz.eq.selj .and. period.eq.2) then
    write(tpout,1059) au1crc(1,1),au2crc(2,1),au3crc(3,1)
059   format(' hbo subst: ',3f10.5)
  endif

*****
  BEGIN LOOP ON TRIP PURPOSES
*****

  DO 1700 P=1,PURPS
  IF(TRIPS(JZ,P).LE.0) GO TO 1700

  *** IF EXTERNAL OR INTRAZONAL, SET SHARES & SKIP TO TRIP CALCULATIONS

  IF(IZ.GT.INZN .OR. JZ.GT.INZN) THEN
    DO 1040 J=1,6
      PCTACC(J)=0.0
1040   CONTINUE
      PCTACC(7)=1.0
      DO 1050 K=1,3
        ASHR(7,K)=1.0
        DASHR(K)=1.0
        SHSHR(K)=0.0
        TSHR(J,K)=0.0
1050   CONTINUE
      GOTO 1600
    ENDIF

  *** CALCULATE AUTO OPERATING COSTS

  ACST(1)=AOC*ADIS(1)+ATOL(1)
  ACST(2)=(AOC*ADIS(2)+ATOL(2))/2.0
  ACST(3)=(AOC*ADIS(3)+ATOL(3))/OC3(P)

  *** CALCULATE AUTO PARKING COSTS

  APRK(1)=APKCS(JZ)/DIR(P,PERIOD)
  APRK(2)=APRK(1)/2.0
  APRK(3)=APRK(1)/OC3(P)

debug
  if(iz.eq.seli.and.jz.eq.selj) write(tpout,4411) iz,jz,acst,aprk
4411 format(' auto costs at ',2i5/
  1 ' ACST: ',3f10.3/' APRK: ',3f10.3)

  *** ADD AUTO OPERATING COSTS TO TRANSIT KISS-RIDE AND PARK-RIDE

  IF(DEFI.EQ.2) THEN
    DO 1110 I=1,5
      TAOC(I)=(AUTO(I)/60.0)*TASPD*AOC/OCTA(P)
.110   CONTINUE

  Check for parking and add costs

  JPARK=0
  IF(TASN.GE.1 .AND. TASN.LE.NS) THEN
    IF(STPKSP(TASN).GT.0) THEN
      PKCST(3)=STPKCS(TASN,PERIOD)/
1      (DIR(P,PERIOD)*OCTA(P))
      JPARK=STZONE(TASN)

```

```

ELSE
  TRUN(3)=0.0
ENDIF
ENDIF
ENDIF

```

```

*****
CALCULATE UTILITIES, SHARES, AND LOG SUMS BY
MODE AND CAR OWNERSHIP CATEGORY
*****

```

```

*** SET CBD DUMMY VARIABLE

```

```

CBDDUM=CBD(IZ)*(2-DIR(P,PERIOD))+CBD(JZ)

```

```

*** SET EXURBAN DUMMIES

```

```

EXDUMP=EXURB(IZ)
EXDUMA=EXURB(JZ)

```

```

*** COMPUTE IMPEDANCE UTILITIES BY AUTO MODE

```

```

DO 1210 I=1,3
  IF(IZ.EQ.JZ) ATIM(I)=2.0
  IF(ATIM(I).GT.0.0) THEN
    AUUT(I)=(ATRC(P)*ATRM(I))
1      +(ARUNC(P)*ATIM(I))
2      +(ACSTC(P)*ACST(I)*INFL(2))
3      +(APRKC(P)*APRK(I)*INFL(3))
  ELSE
    AUUT(I)=-999.9
  ENDIF
1210 CONTINUE

```

```

*** HOV TIME SAVINGS KICKER

```

```

IF(HOV.EQ.3) THEN
  IF(AUUT(1).LT.AUUT(3)) AUUT(3)=AUUT(3)-HOVDIFFC(P)*HSAVE
ENDIF
IF(HOV.EQ.2) THEN
  IF(AUUT(1).LT.AUUT(2)) AUUT(2)=AUUT(2)-HOVDIFFC(P)*HSAVE
  IF(AUUT(1).LT.AUUT(3)) AUUT(3)=AUUT(3)-HOVDIFFC(P)*HSAVE
ENDIF

```

```

*** LOOP ON CAR OWNERSHIP CATEGORIES

```

```

DO 1220 K=1,3
  AEXP(K)=0.0
  IF(PCTCAR(K).LE.0.000001) GOTO 1220

```

```

*** DRIVE ALONE AUTO

```

```

*** (1), AU1*, DA* - DRIVE-ALONE AUTO

```

```

  NEST=ATNSTC(P)
  IF(AUUT(1).GT.-999.9) THEN
    UTIL=(AUUT(1)+AU1DTC(P)*CBDDUM+AU1XPC(P)*EXDUMP+
1      AU1XAC(P)*EXDUMA+AU1CRC(K,P))/NEST
    AU1EXP(K)=EXP(UTIL)
  ELSE
    AU1EXP(K)=0.0

```



```
ENDIF
DAEXP(K)=AU1EXP(K)
```

```
*** SHARED RIDE AUTO NEST
*** (2), AU2* - 2-PERSON AUTO
*** (3), AU3* - 3-PERSON AUTO
*** A23*, SH* - SHARED RIDE AUTO
```

```
NEST=SHNSTC(P)*ATNSTC(P)
IF(AUUT(2).GT.-999.9) THEN
  UTIL=(AUUT(2)+AU2DTC(P)*CBDDUM+AU2XPC(P)*EXDUMP+
1   AU2XAC(P)*EXDUMA+AU2CRC(K,P))/NEST
  AU2EXP(K)=EXP(UTIL)
```

```
debug
  if(iz.eq.seli.and.jz.eq.selj) write(tpout,4481)
1   util,auut(2),au2dtc(p),au2xpc(p),
2   au2xac(p),au2crc(k,p),nest,au2exp(k)
481  format(' util share 2:',3f12.5/2x,5f12.5)
```

```
ELSE
  AU2EXP(K)=0.0
ENDIF
IF(AUUT(3).GT.-999.9) THEN
  UTIL=(AUUT(3)+AU3DTC(P)*CBDDUM+AU3XPC(P)*EXDUMP+
1   AU3XAC(P)*EXDUMA+AU3CRC(K,P))/NEST
  AU3EXP(K)=EXP(UTIL)
```

```
: debug
  if(iz.eq.seli.and.jz.eq.selj) write(tpout,4482)
1   util,auut(3),au3dtc(p),au3xpc(p),
2   au3xac(p),au3crc(k,p),nest,au3exp(k)
482  format(' util share 3:',3f12.5/2x,5f12.5)
```

```
ELSE
  AU3EXP(K)=0.0
ENDIF
A23EXP(K)=AU2EXP(K)+AU3EXP(K)
IF(A23EXP(K).GT.0.0) THEN
  AU2SHR(K)=AU2EXP(K)/A23EXP(K)
  AU3SHR(K)=AU3EXP(K)/A23EXP(K)
  A23LGS(K)=LOG(A23EXP(K))
  SHEXP(K)=EXP(SHNSTC(P)*A23LGS(K))
ELSE
  AU2SHR(K)=0.0
  AU3SHR(K)=0.0
  A23LGS(K)=-999.9
  SHEXP(K)=0.0
ENDIF
```

```
: debug
  if(iz.eq.seli.and.jz.eq.selj) write(tpout,4483)
1  au2exp(k),au3exp(k),a23exp(k),au2shr(k),au3shr(k)
4483 format(' shared ride summary: ',5f12.5)
```

```
*** TOTAL AUTO NEST
*** DA* - DRIVE ALONE AUTO
*** SH* - SHARED RIDE AUTO
*** AT*, A* - TOTAL AUTO
```

```
AATEXP(K)=DAEXP(K)+SHEXP(K)
IF(AATEXP(K).GT.0.0) THEN
  DASHR(K)=DAEXP(K)/AATEXP(K)
  SHSHR(K)=SHEXP(K)/AATEXP(K)
  ATLGS(K)=LOG(AATEXP(K))
```

```

      AEXP(K) = EXP(ATNSTC(P) * ATLGS(K))
    ELSE
      DASHR(K) = 0.0
      SHSHR(K) = 0.0
      ATLGS(K) = -999.9
      AEXP(K) = 0.0
    ENDIF
1220 CONTINUE
    IF(IZ.EQ.JZ) THEN
      DO 1225 J=1,7
        DO 1225 K=1,3
          TSHR(J,K) = 0.0
1225 CONTINUE
        ENDIF
    debug
      if(iz.eq.seli.and.jz.eq.selj) write(tpout,4420) iz,jz,
      1 dashr,shshr,au2shr,au3shr
1420 format(' auto shares at ',2i5/
      1 ' dashr: ',3f12.5/' shshr: ',3f12.5/
      2 ' au2shr: ',3f12.5/' au3shr: ',3f12.5)
      IF(DEFI.EQ.1) GO TO 1300
:
*****
      BEGIN LOOP ON ACCESS CATEGORIES
*****
:
      DO 1260 J=1,7

: *** INITIALIZE TOTAL TRANSIT UTILITY
:
      DO 1230 K=1,3
        TSHR(J,K) = 0.0
        TWSHR(J,K) = 0.0
        TWLBSHR(J,K) = 0.0
        TJITSHR(J,K) = 0.0
        TWPSHR(J,K) = 0.0
        TASHR(J,K) = 0.0
        TPRSHR(J,K) = 0.0
        TKRSHR(J,K) = 0.0
1230 CONTINUE
      IF(PCTACC(J).LE.0.000001) GOTO 1260

: *** COMPUTE IMPEDANCES BY TRANSIT MODE

      DUMRUN(1) = MINRUN(1)
      DUMRUN(2) = MINRUN(2)
      DUMRUN(4) = MINRUN(1)
      IF(AUTPR.GT.0) THEN
        DUMRUN(3) = MINRUN(4)
        DUMRUN(5) = MINRUN(4)
      ELSE
        DUMRUN(3) = MINRUN(3)
        DUMRUN(5) = MINRUN(3)
      ENDIF
      DO 1240 I=1,5
        IF(WALK(I,J).LT.999.9 .AND. TRUN(I).GE.DUMRUN(I)) THEN
          TRUT(I) = (WALKC(P) * WALK(I,J))
1          + (AUTO C(P) * AUTO(I))
2          + (TRUNC(P) * TRUN(I))
3          + (WTTAC(P) * WTTA(I))

```

```

4          + (WTTBC (P) *WTTB (I) )
5          + (XFTC (P) *XFT (I) )
6          + (NXFC (P) *NXF (I) )
7          + (FAREC (P) * (FARE (I) +PKCST (I) ) *INFL (1) )
8          + (ACSTC (P) *TAOC (I) *INFL (2) )
      ELSE
        TRUT (I) =-999.9
      ENDIF
1240 CONTINUE

```

```

*****
      BEGIN LOOP ON CAR OWNERSHIP CATEGORIES
*****

```

```

DO 1250 K=1,3
  IF (PCTCAR (K) .LE.0.000001) GOTO 1250

```

```

*** WALK TO LOCAL TRANSIT NEST
*** (1), TWLB* - WALK TO LOCAL BUS
*** (2), TJIT* - WALK TO JITNEY
*** TLJ*, TWL* - WALK TO LOCAL TRANSIT

```

```

      NEST=TWNSTC (P) *TTNSTC (P) *JNSTC (P)
      IF (TRUT (1) .GT. -999.9) THEN
1        UTIL= (TRUT (1) +TWLDTC (P) *CBDDUM+TWLXPC (P) *EXDUMP+
          TWLXAC (P) *EXDUMA+TWLCRC (K, P) ) /NEST
          TWLBEXP (J, K) =EXP (UTIL)
      ELSE
          TWLBEXP (J, K) =0.0
      ENDIF
      IF (TRUT (4) .GT. -999.9) THEN
1        UTIL= (TRUT (4) +JDTC (P) *CBDDUM+JXPC (P) *EXDUMP+
          JXAC (P) *EXDUMA+JCRC (K, P) ) /NEST
          TJITEXP (J, K) =EXP (UTIL)
      ELSE
          TJITEXP (J, K) =0.0
      ENDIF
      TLJEXP (J, K) =TWLBEXP (J, K) +TJITEXP (J, K)
      IF (TLJEXP (J, K) .GT.0.0) THEN
          TWLBSHR (J, K) =TWLBEXP (J, K) /TLJEXP (J, K)
          TJITSHR (J, K) =TJITEXP (J, K) /TLJEXP (J, K)
          TLJLGS (J, K) =LOG (TLJEXP (J, K) )
          TWLEXP (J, K) =EXP (JNSTC (P) *TLJLGS (J, K) )
      ELSE
          TWLBSHR (J, K) =0.0
          TJITSHR (J, K) =0.0
          TLJLGS (J, K) =-999.9
          TWLEXP (J, K) =0.0
      ENDIF

```

```

*** WALK TO PREMIUM TRANSIT NEST
*** (2) WKP*, TWP*

```

```

      NEST=TWNSTC (P) *TTNSTC (P)
      IF (TRUT (2) .GT. -999.9) THEN
1        UTIL= (TRUT (2) +TWPDTC (P) *CBDDUM+TWPXPC (P) *EXDUMP+
          TWPXAC (P) *EXDUMA+TWPCRC (K, P) ) /NEST
          TWPEXP (J, K) =EXP (UTIL)
      ELSE
          TWPEXP (J, K) =0.0

```

ENDIF

*** WALK ACCESS TO TRANSIT NEST
*** TWL* - WALK ACCESS TO LOCAL TRANSIT
*** TWP* - WALK ACCESS TO PREMIUM TRANSIT
*** TWT*, TW* - WALK ACCESS TO TRANSIT

```
TWTEXP(J,K)=TWLEXP(J,K)+TWPEXP(J,K)
IF(TWTEXP(J,K).GT.0.0) THEN
  TWLSHR(J,K)=TWLEXP(J,K)/TWTEXP(J,K)
  TWPSHR(J,K)=TWPEXP(J,K)/TWTEXP(J,K)
  TWLGS(J,K)=LOG(TWTEXP(J,K))
  TWEXP(J,K)=EXP(TWNSTC(P)*TWLGS(J,K))
ELSE
  TWLSHR(J,K)=0.0
  TWPSHR(J,K)=0.0
  TWLGS(J,K)=-999.9
  TWEXP(J,K)=0.0
ENDIF
```

*** AUTO ACCESS TO TRANSIT NEST
*** (3), TPR* - PARK-RIDE TO TRANSIT
*** (4), TKR* - KISS-RIDE TO TRANSIT
*** TAT*, TA* - AUTO ACCESS TO TRANSIT

```
NEST=TANSTC(P)*TTNSTC(P)
IF(TRUT(3).GT.-999.9) THEN
  1 UTIL=(TRUT(3)+TPRDTC(P)*CBDDUM+TPRXPC(P)*EXDUMP+
    TPRXAC(P)*EXDUMA+TPRCRC(K,P))/NEST
  TPREXP(J,K)=EXP(UTIL)
ELSE
  TPREXP(J,K)=0.0
ENDIF
IF(TRUT(5).GT.-999.9) THEN
  1 UTIL=(TRUT(5)+TKRDTC(P)*CBDDUM+TKRXPC(P)*EXDUMP+
    TKRXAC(P)*EXDUMA+TKRCRC(K,P))/NEST
  TKREXP(J,K)=EXP(UTIL)
ELSE
  TKREXP(J,K)=0.0
ENDIF
TATEXP(J,K)=TPREXP(J,K)+TKREXP(J,K)
IF(TATEXP(J,K).GT.0.0) THEN
  TPRSHR(J,K)=TPREXP(J,K)/TATEXP(J,K)
  TKRSHR(J,K)=TKREXP(J,K)/TATEXP(J,K)
  TATLGS(J,K)=LOG(TATEXP(J,K))
  TAEXP(J,K)=EXP(TANSTC(P)*TATLGS(J,K))
ELSE
  TPRSHR(J,K)=0.0
  TKRSHR(J,K)=0.0
  TATLGS(J,K)=-999.9
  TAEXP(J,K)=0.0
ENDIF
```

*** TOTAL TRANSIT NEST
*** TW* - WALK ACCESS TO TRANSIT
*** TA* - AUTO ACCESS TO TRANSIT
*** TT*, T* - TOTAL TRANSIT

```
TTEXP(J,K)=TWEXP(J,K)+TAEXP(J,K)
IF(TTEXP(J,K).GT.0.0) THEN
```

```

    TWSHR(J,K)=TWEXP(J,K)/TTEXP(J,K)
    TASHR(J,K)=TAEXP(J,K)/TTEXP(J,K)
    TTLGS(J,K)=LOG(TTEXP(J,K))
    TEXP(J,K)=EXP(TTNSTC(P)*TTLGS(J,K))
ELSE
    TWSHR(J,K)=0.0
    TASHR(J,K)=0.0
    TTLGS(J,K)=-999.9
    TEXP(J,K)=0.0
ENDIF

```

```

*** TOP NEST
*** A* - AUTO
*** T* - TRANSIT

```

```

MEXP(J,K)=AEXP(K)+TEXP(J,K)
IF(MEXP(J,K).GT.0.0) THEN
    ASHR(J,K)=AEXP(K)/MEXP(J,K)
    TSHR(J,K)=TEXP(J,K)/MEXP(J,K)
ELSE
    ASHR(J,K)=0.0
    TSHR(J,K)=0.0
ENDIF

```

```

debug
    if(iz.eq.seli .and. jz.eq.selj) then
    write(tpout,9992) iz,jz,j,k,twlexp(j,k),twpexp(j,k),
1      twtexp(j,k),tprexp(j,k),tkrexp(j,k),tatexp(j,k),aulexp(k),
2      daexp(k),au2exp(k),au3exp(k),shexp(k),texp(j,k),aexp(k)
9992   format(4i6/6f16.5/5f16.5/2f16.5)
    endif
250   CONTINUE
1260 CONTINUE
1300 CONTINUE

```

DEFAULT MODE SPLIT APPLICATION

```

IF(DEFI.EQ.1) THEN
    DO 1310 K=1,3
        TSHR(1,K)=DEFMS(JZ,K,P)/1000.0
        ASHR(1,K)=1.0-TSHR(1,K)
310   CONTINUE
ENDIF

```

```

debug
    if(iz.eq.seli.and.jz.eq.selj) write(tpout,4422) iz,jz,
1 (ashr(1,k),k=1,3)
4422 format(' overall auto share at ',2i5/' ashr: ',3f12.5)
    IF(DEFI.EQ.1) GO TO 1600

```

MINIMUM TRANSIT MODE SPLIT CHECK

```

IF(MSMIN(P).LE.0.0) GO TO 1390
TTTSHR=0.0
DO 1370 J=1,7
DO 1370 K=1,3
TTTSHR=TTTSHR+TSHR(J,K)*PCTACC(J)*PCTCAR(K)
1370 CONTINUE
IF(TTTSHR.GT.MSMIN(P)) GO TO 1390
DO 1380 J=1,7
DO 1380 K=1,3
TSHR(J,K)=0.0

```

```
      ASHR(J,K)=1.0
1380 CONTINUE
1390 CONTINUE
```

debug

```
      if(iz.eq.seli .and. jz.eq.selj) then
        write(tpout,9998) iz,jz,pctacc,pctcar,
1       z(iz),z(jz),
1       (mode13(jz,k),k=1,3),
1       (mode2(jz,k),k=1,3),
1       (mode48(jz,k),k=1,3),
1       (mode567(jz,k),k=1,3),
1       (ntrxf(jz,k),k=1,3),
2       (wait1(jz,k),k=1,3),
2       (wait2(jz,k),k=1,3),
2       (fares(jz,k),k=1,3),
3       rhdist(jz),rhtime(jz),trips(jz,1),
3       walk,
4       auto,wtta,wttb,trun,xft,nxf,fare,
5       atrm,adis,atim,acst,aprk,
6       taoc,auut,trut,
7       ashr,tshr,
8       twshr,twlshr,twpsshr,tashr,tprshr,tkrshr,
9       dashr,shshr,au2shr,au3shr
9998   format(2i4/10f10.3/,2i10/8(3i10//),3i10//,7(5f10.3//),7(5f10.3//),
1       5(3f10.3//),5f10.3/3f10.3/5f10.3//,
1       8(3(7f10.3//),4(3f10.3//))
      endif
1500 CONTINUE
```

```
*****
      COMPUTE TRIPS BY PURPOSE, ACCESS CATEGORY,
      CAR OWNERSHIP, AND MODE
*****
```

600 CONTINUE

*** INITIALIZE ARRAYS

```
      PTRIP=0.0
      DEFMKT=7
      IF(DEFI.EQ.1) DEFMKT=1
      DO 1610 I=1,10
        MTRIP(I)=0.0
1610   CONTINUE
```

*** COMPUTE TRIPS BY ACCESS AND CAR OWNERSHIP CATEGORY

```
      DO 1640 J=1,DEFMKT
        DO 1630 K=1,3
          XDEF=1.0
          IF(DEFI.EQ.2) XDEF=PCTACC(J)
          PERTRP=XDEF*PCTCAR(K)*TRIPS(JZ,P)
          DATRP=PERTRP*ASHR(J,K)*DASHR(K)
          AU2TRP=PERTRP*ASHR(J,K)*SHSHR(K)*AU2SHR(K)
          AU3TRP=PERTRP*ASHR(J,K)*SHSHR(K)*AU3SHR(K)
```

debug

```
1       if(iz.eq.seli.and.jz.eq.selj) write(tpout,4430) iz,jz,k,
          xdef,pctcar(k),trips(jz,p),pertrp,datrp,au2trp,au3trp
```

```

430 format(' auto trips at ',3i5/
1      ' xdef,pctcar(k), trips:      ',2f10.5,i10/
2      ' pertrp,datrp,au2trp,au3trp: ',4f10.3)
      IF(DEFI.EQ.2) THEN
1        TWLBTRP=PERTRP*TSHR(J,K)*TWSHR(J,K)*TWLSHR(J,K)*
          TWLBSHR(J,K)
1        TJITTRP=PERTRP*TSHR(J,K)*TWSHR(J,K)*TWLSHR(J,K)*
          TJITSHR(J,K)
          TWPTRP=PERTRP*TSHR(J,K)*TWSHR(J,K)*TWPSHR(J,K)
          TPRTRP=PERTRP*TSHR(J,K)*TASHR(J,K)*TPRSHR(J,K)
          TKRTRP=PERTRP*TSHR(J,K)*TASHR(J,K)*TKRSHR(J,K)
          IF(TASN.GE.1) SUMSTA(TASN,1,P)=SUMSTA(TASN,1,P)+TPRTRP
          IF(TASN.GE.1) SUMSTA(TASN,2,P)=SUMSTA(TASN,2,P)+TKRTRP
      ENDIF

```

```

*** ACCUMULATE TRIPS IN SUMMARY ARRAYS

```

```

1      CALL ARRAYS(J,K,P,NP,JITNEY,DEFI,CBD(IZ),CBD(JZ),EXDUMP,
          EXDUMA,CBDDUM,JPARK,OCTA(P),FARE,PKCST,AUTPR)

```

```

630 CONTINUE

```

```

1640 CONTINUE

```

```

      CALL BUCKET(JZ,P,TRIPS(JZ,P),DEFI,OC3(P))

```

```

debug

```

```

      if(iz.eq.seli.and.jz.eq.selj) write(tpout,8499) npurp,

```

```

1      mtrip,(tabso(jz,m,p),m=1,10)

```

```

499 format(' npurp: ',i5/' mtrip: ',10f10.4/' tabso1: ',10i10)

```

```

: UPDATE DEFAULT MODE SPLITS

```

```

      IF(DEFO.EQ.1) THEN

```

```

        DO 1680 K=1,3

```

```

          XDEF=0.0

```

```

          DO 1675 J=1,7

```

```

            XDEF=XDEF+TSHR(J,K)*PCTACC(J)

```

```

1675 CONTINUE

```

```

          IF(XDEF.LE.MSMIN(P)) XDEF=0.0

```

```

          DEFMS(JZ,K,P)=XDEF*1000.0+0.5

```

```

1680 CONTINUE

```

```

      ENDIF

```

```

:*****
:      END OF PURPOSE LOOP
:*****

```

```

1700 CONTINUE

```

```

:*****
:      END OF DESTINATION (JZ) LOOP
:*****

```

```

1800 CONTINUE

```

```

      IF(SELI.GT.0 .OR. SELJ.GT.0) GOTO 1990

```

```

: BUCKET ROUND AUTO ACCESS TRIPS

```

```

      IF(DEFI.EQ.2) THEN

```

```

        DO 1830 P=1,PURPS

```

```

          DO 1820 JZ=1,ZONES

```

```
TABSO(JZ,11,P)=IDINT(STAACC(JZ,P)+GRAB(11,P))
GRAB(11,P)=STAACC(JZ,P)-FLOAT(TABSO(JZ,11,P))+GRAB(11,P)
```

```
1820 CONTINUE
830 CONTINUE
ENDIF
```

```
*****
WRITE OUTPUT TRIP TABLES
*****
```

```
DO 1860 I=1,DEFI
NPURP=NPURPO(I,PERIOD)
IF(I.EQ.2.AND.JITNEY.EQ.0) NPURP=NPURP-PERIOD
IF(DEFI.EQ.1) NPURP=NPURP-PERIOD
DO 1860 IT=1,NPURP
IT2=IT
DO 1850 JZ=1,ZONES
TABLE(JZ)=0
DO 1850 II=1,4
IF(PMTAB(IT,I,II,PERIOD).EQ.0) GOTO 1850
P=PMTAB(IT,I,II,PERIOD)/100
M=PMTAB(IT,I,II,PERIOD)-100*P
TABLE(JZ)=TABLE(JZ)+TABSO(JZ,M,P)
```

```
850 CONTINUE
CALL OUTAB(LUNOUT(I),TABLE,IZ2,IT2,NDUMMY,IO)
```

```
1860 CONTINUE
debug
if(iz.eq.seli.and.jz.eq.selj) write(tpout,4898) npurp
4898 format(' npurp: ',i6)
```

```
OUTPUT REVISED DEFAULT MODE SPLITS
```

```
IF(DEFO.EQ.1) THEN
DO 1888 P=1,PURPS
DO 1888 K=1,3
IF(P.EQ.2.AND.K.GT.1) GO TO 1888
DO 1884 JZ=1,ZONES
TABLE(JZ)=DEFMS(JZ,K,P)
```

```
1884 CONTINUE
IT2=(P-1)*3+K
CALL OUTAB(72, TABLE, IZ2, IT2, NDUMMY, IO)
```

```
1888 CONTINUE
ENDIF
```

```
890 CONTINUE
```

```
*****
END OF ORIGIN (IZ) ZONE LOOP
*****
```

```
1900 CONTINUE
```

```
OUTPUT SUMMARY
```

```
CALL PSUM(PURP,DIR)
```

```
1990 CONTINUE
STOP 'MODE9 Normal Completion'
1900 OPEN(99,FILE='MODE.ERR',FORM='FORMATTED')
WRITE(99,9901)
9901 FORMAT (' MODE error(s)')
CLOSE(99)
```


STOP 'MODE9 Abnormal Completion'
END

#####*
#####*
#####*
#####*

TLE: sidecon9.f
TIME PRINTED: Sat Dec 16 15:36:13 1995
NAME QUEUED: Sat Dec 16 15:33:51 1995
PRINTED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
LIVER TO: =====> wlw <=====

LAG VALUES:
0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
=pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

PROGRAM SIDCON

```

*****
*** SIDEWALK GENERATION - SIDECON - 11/12/91 ***
*** DUPLICATE LINK CHECK - 11/14/91 ***
*** NEAR AUTO CONNECT DELETES - 11/15/91 ***
*** MODIFIED NEAR ZONE LOGIC - 11/26/91 ***
*** DATE/TIME TO MIMIC RS/6000 - 12/24/91 ***
*** MESSAGES TO UNIT 10 - 12/27/91 ***
*** FSUTMS-LIKE CONTROLS - 1/30/92 ***
*** RS/6000 VERSION - 2/1/92 ***
*** MINOR REFINEMENT - 2/24/92 ***
*** XY CHANGE - 4/1/92 ***
*** ADDITIONAL NODES - 4/13/92 ***
*** NEW INET CHECK - 8/18/92 ***
*** HIGHER DIMENSIONS - 3/12/93 ***
*** SIDECON9 VERSION - 9/5/93 ***
*** UPDATED STATION AREA WALKS - 1/28/94 ***
*****

```

```

INCLUDE 'paramter.inc'
CHARACTER*32 FILE11,FILE12,FILE13,FILE21,FILE22
CHARACTER*1 TOF
CHARACTER*48 RUN
CHARACTER*8 DATE,TIME
CHARACTER*20 STALAB(200)
INTEGER*2 AS(7000),BS(7000),AR(7000),BR(7000),KR(7000)
INTEGER*2 EXA(2000),EXB(2000)
INTEGER*4 MAXD,MAXN,A,B,STAZ(200),STAU(200),NSTAT,ZONES,
1 CODE,NEX,NS,NR,M,DD,TT,PERIOD
INTEGER*4 STATS(200,4),XMAX,XMIN,YMAX,YMIN
REAL*4 XX,YY
CHARACTER*9 VALID1(10),IDENTP
INTEGER*4 VALID2(10),FTUSE(9),FT
CHARACTER*3 NAME(6,2)
COMMON /NAMES/NAME
COMMON /A/ X(MXNODE),Y(MXNODE),USE(MXNODE)
INTEGER*4 X,Y
INTEGER*2 USE
COMMON /B/ NUM(MXZONE),CON(MXZONE,6),NEAR(MXZONE)
INTEGER*2 NUM,CON,NEAR
COMMON /C/ AS,BS
COMMON /D/ AR,BR,KR
INTEGER*4 UNITS
LOGICAL*4 EXISTS
LOGICAL*2 INFILE
DATA VALID2/10*0/,VALID1/' &ZONESA',' ~TITLE',' ~MAXD',7*' '/
DATA STATS/800*0/,FTUSE/0,1,1,1,0,1,0,0,0/
DATA FILE11/'XY.TEM'/,
1 FILE12/'LINKS.hin'/,FILE13/'STATDATA.tin'/,
2 FILE21/'SIDEpp.tin'/,FILE22/'AUTDELpp.tin'/
DATA DISFAC/100.0/

TOF=CHAR(12)
CALL DATTIM(DATE,TIME)
DO 2 I=1,MXNODE
X(I)=0
Y(I)=0
USE(I)=0
2 CONTINUE
DO 3 I=1,MXZONE
NEAR(I)=0

```

```

NUM(I)=0
DO 3 J=1,6
CON(I,J)=0
3 CONTINUE

```

READ PERIOD

```

INQUIRE(FILE='PERIOD1',EXIST=EXISTS)
IF (EXISTS) PERIOD = 1
INQUIRE(FILE='PERIOD2',EXIST=EXISTS)
IF (EXISTS) PERIOD = 2
IF (PERIOD.EQ.1) THEN
FILE21='SIDEAM.tin'
FILE22='AUTDELAM.tin'
ELSE
FILE21='SIDEMD.tin'
FILE22='AUTDELMD.tin'
ENDIF

```

OPEN PROFILE.MAS

```

OPEN(1,FILE='PROFILE.MAS')
40 READ(1,41,END=50) IDENTP
41 FORMAT (A)
IF (IDENTP.EQ.'&ZONESA') THEN
READ (1,*) ZONES
VALID2(1) = 1
ENDIF
IF (IDENTP.EQ.'&TITLE') THEN
READ (1,41) RUN
VALID2(2) = 1
ENDIF
IF (IDENTP.EQ.'&MAXD') THEN
READ (1,*) XX
MAXD = 100.0 * XX
VALID2(3) = 1
ENDIF
IF (IDENTP.EQ.'&UNITS') THEN
READ (1,*) UNITS
DISFAC = 10000.0 / FLOAT(UNITS)
ENDIF
GO TO 40
50 CLOSE(1)
IF (ZONES.GT.MXZONE) THEN
JF = MXZONE
WRITE (31,51) ZONES,JF
51 FORMAT (' ***CRITICAL*** SIDECON PROGRAM ONLY HANDLES',I5,' ZONES'
1 ,/' -- MUST BE INCREASED TO AT LEAST',I5)
GO TO 9900
ENDIF

```

SET-UP DATA SET NAMES

```

OPEN(10,FILE='SIDECON.OUT',STATUS='NEW',FORM='FORMATTED')
INFILE = .TRUE.
OPEN(11,FILE=FILE11,STATUS='OLD',FORM='FORMATTED')
CALL GETALT(FILE12,INFILE)
OPEN(12,FILE=FILE12,STATUS='OLD',FORM='FORMATTED')
CALL GETALT(FILE13,INFILE)
OPEN(13,FILE=FILE13,STATUS='OLD',FORM='FORMATTED')

```

```

OPEN(14, FILE='HUDNET.TEM', STATUS='OLD', FORM='FORMATTED')
INFILE = .FALSE.
CALL GETALT(FILE21, INFILE)
OPEN(21, FILE=FILE21, STATUS='NEW', FORM='FORMATTED')
CALL GETALT(FILE22, INFILE)
OPEN(22, FILE=FILE22, STATUS='NEW', FORM='FORMATTED')

IERR=0
DO 100 I=1,3
IF(VALID2(I).EQ.0) THEN
  WRITE(*,(' ' PARAMETER NOT FOUND: ',A9)) VALID1(I)
  IERR=1
ENDIF
100 CONTINUE
IF(IERR.EQ.1) GO TO 9900
WRITE(*,1050)
050 FORMAT('/' SIDECON PROGRAM'/' READING COORDINATES')
WRITE(10,6000) TOF,DATE,TIME,RUN,FILE11,FILE12,FILE13
6000 FORMAT(A1,' SIDEWALK CONNECTION PROGRAM' /
1 1X,A8,63X,A8//' RUN: ',A/' INPUT FILES: ',A32/(14X,A32))

READ COORDINATES

110 READ(11,1101,END=120) N,XX,YY
1101 FORMAT(I6,2F9.2)
X(N) = DISFAC*XX
Y(N) = DISFAC*YY
IF(N.GT.MAXN) MAXN=N
GO TO 110

READ STATION DATA

120 WRITE(*,1051)
051 FORMAT(' READING STATION DATA')
NSTAT=0
130 READ(13,1301,END=140) NN,STAZ(NN),STAU(NN),STALAB(NN)
301 FORMAT(I4,I6,42X,I3,1X,A20)
NSTAT=NSTAT+1
GO TO 130
140 CONTINUE
WRITE(10,6069)
6069 FORMAT('/' STATIONS CHECKED FOR SIDEWALK ACCESS:' /
1 ' NUM ZONE USE' /)
DO 150 L=1,NSTAT
WRITE(10,6070) L,STAZ(L),STAU(L)
6070 FORMAT(3I6)
150 CONTINUE

: FIND BOUNDARIES
:
WRITE(*,1052)
1052 FORMAT(' FINDING BOUNDARIES')
WRITE(10,6068)
6068 FORMAT('/' STATION WALK AREA BOUNDARIES' /
1 ' NUM ZONE XMAX XMIN YMAX YMIN' /)
DO 160 K=1,NSTAT
IF(STAU(K).EQ.0) GO TO 160
N=STAZ(K)
USE(N)=2
STATS(K,1)=X(N)+MAXD+2

```

```

STATS(K,2)=X(N)-MAXD-2
STATS(K,3)=Y(N)+MAXD+2
STATS(K,4)=Y(N)-MAXD-2
WRITE(10,6071) K,N,(STATS(K,L),L=1,4)
6071 FORMAT(6I8)
160 CONTINUE
WRITE(*,1053)
1053 FORMAT(' READING HIGHWAY LINKS')

READ HIGHWAY CENTROID LINKS

170 CONTINUE
READ(12,1201,END=190) A,B
201 FORMAT(2X,2I5)
IF(A.GT.ZONES) GO TO 190
IF(USE(B).EQ.0) USE(B)=1
NUM(A)=NUM(A)+1
NN=NUM(A)
IF(NN.GT.6) THEN
WRITE(*,1111) A
111 FORMAT(' NUMBER OF CENTROID CONNEX EXCEEDS 6 FOR ',I6)
GO TO 170
ENDIF
CON(A,NN)=B

```

CHECK FOR CENTROIDS NEAR STATIONS

```

DO 180 K=1,NSTAT
IF(STAU(K).EQ.0) GO TO 180
XMAX=STATS(K,1)-MAXD
XMIN=STATS(K,2)+MAXD
YMAX=STATS(K,3)-MAXD
YMIN=STATS(K,4)+MAXD
IF(X(A).GT.XMAX.OR.X(A).LT.XMIN) GO TO 180
IF(Y(A).GT.YMAX.OR.Y(A).LT.YMIN) GO TO 180
NEAR(A)=1
GO TO 170
180 CONTINUE
GO TO 170
190 CONTINUE

```

RESUME HIGHWAY LINK FILE

```

NS=0
NR=0
210 CONTINUE
READ(12,1202,END=250) CODE,A,B,FT
202 FORMAT(I2,2I5,6X,I1)
IF(B.LE.ZONES) GO TO 210
IF(FTUSE(FT).EQ.0) GO TO 210

```

CHECK FOR REVERSE DIRECTION

```

DO 220 M=1,NS
IF(B.EQ.AS(M).AND.A.EQ.BS(M)) GO TO 210
220 CONTINUE
NS=NS+1
AS(NS)=A
BS(NS)=B
DO 240 K=1,NSTAT

```

```

IF(STAU(K).EQ.0) GO TO 240
XMAX=STATS(K,1)
XMIN=STATS(K,2)
YMAX=STATS(K,3)
YMIN=STATS(K,4)
IF(X(A).GT.XMAX.OR.X(A).LT.XMIN) GO TO 240
IF(X(B).GT.XMAX.OR.X(B).LT.XMIN) GO TO 240
IF(Y(A).GT.YMAX.OR.Y(A).LT.YMIN) GO TO 240
IF(Y(B).GT.YMAX.OR.Y(B).LT.YMIN) GO TO 240
NR=NR+1
IF(NR.GT.7000) THEN
  WRITE(*,1076)
1076   FORMAT(' NUMBER OF CANDIDATE WALK LINKS EXCEEDS MAX')
      GO TO 9900
ENDIF
AR(NR)=A
BR(NR)=B
KR(NR)=K
IF(USE(A).EQ.2) USE(B)=2
IF(USE(B).EQ.2) USE(A)=2
GO TO 210
240 CONTINUE
GO TO 210
250 CONTINUE

: READ PRE-EXISTING LINKS

  WRITE(*,1054)
1054  FORMAT(' END FIRST PASS'/' READING EXISTING LINKS')
      NEX=0
260  CONTINUE
      READ(14,1401,END=270) CODE,A,B,M
1401  FORMAT(I1,2I5,I3)
      IF(CODE.EQ.9) GO TO 270
      IF(M.NE.3) GO TO 260
      NEX=NEX+1
      EXA(NEX)=A
      EXB(NEX)=B
      IF(USE(A).EQ.2) USE(B)=2
      IF(USE(B).EQ.2) USE(A)=2
      GO TO 260
270  CONTINUE

: RE-READ TO CHECK FOR USEFULNESS

  WRITE(*,1055)
1055  FORMAT(' FINAL PASS TO CHECK USEFULNESS AND DUPLICATES')
      WRITE(10,6790) NEX
6790  FORMAT('/' NUMBER OF EXISTING LINKS = ',I6)
      DO 310 M=1,NR
      A=AR(M)
      B=BR(M)
      IF(USE(A).EQ.2) USE(B)=2
      IF(USE(B).EQ.2) USE(A)=2
310  CONTINUE
      DO 320 MM=1,NR
      M=NR-MM+1
      A=AR(M)
      B=BR(M)
      IF(USE(A).EQ.2) USE(B)=2

```

```

      IF(USE(B).EQ.2) USE(A)=2
320  CONTINUE
      NUML=0
      DO 380 M=1,NR
      A=AR(M)
      B=BR(M)
      K=KR(M)
      IF(USE(A).LT.2.OR.USE(B).LT.2) GO TO 380

```

CHECK FOR PRIOR EXISTENCE

```

      DO 330 L=1,NEX
      IF(A.EQ.EXA(L).AND.B.EQ.EXB(L)) GO TO 380
      IF(B.EQ.EXA(L).AND.A.EQ.EXB(L)) GO TO 380
330  CONTINUE
      CALL DISTANCE(A,B,DD,TT)
      DD=DD/10.0+0.5
      WRITE(21,2100) A,B,DD,TT,K,STALAB(K)
2100  FORMAT('1',2I5,' 3',9X,I3,3X,I3,12X,'2',27X,I3,1X,A20)
      NUML=NUML+1
380  CONTINUE
      WRITE(10,6810) NUML
6810  FORMAT('/' NUMBER OF SIDEWALK LINKS CREATED: ',I10)

```

CHECK FOR NEAR CENTROIDS

```

      NUML=0
      DO 490 I=1,ZONES
      IF(NEAR(I).EQ.0) GO TO 490
      NN=NUM(I)
      DO 410 J=1,NN
      N=CON(I,J)
      IF(USE(N).EQ.2) GO TO 420
410  CONTINUE
      WRITE(10,6333) I
6333  FORMAT(' NEAR ZONE',I5,' NOT DELETED; NO SIDEWALK LINKS')
      GO TO 490
420  CONTINUE
      WRITE(22,2201) I
?201  FORMAT(I5)
      NUML=NUML+1
490  CONTINUE
      WRITE(10,6811) NUML
;811  FORMAT(' NUMBER OF NEAR ZONES DELETED: ',I10)
      STOP 'SIDECON Normal STOP'
9900  OPEN(17,FILE='SIDECON.ERR',STATUS='NEW',FORM='FORMATTED')
      STOP 'SIDECON Abnormal STOP'
      END
      SUBROUTINE DISTANCE (A,B,DD,TT)

```

SUBROUTINE TO COMPUTE DISTANCE FROM COORDINATES

```

      INCLUDE 'paramter.inc'
      INTEGER*4 A,B,IX,IY,DD,TT
      REAL*4 XS
      COMMON /A/ X(MXNODE),Y(MXNODE),USE(MXNODE)
      INTEGER*4 X,Y
      INTEGER*2 USE
      XS=6.0/2.5
      IX=IABS(X(A)-X(B))

```



```
IY=IABS (Y (A) -Y (B) )  
DD=SQRT (1.0*IX*IX+1.0*IY*IY)  
TT=XS*DD+0.5  
RETURN  
END
```

#####*
#####*
#####*
#####*

TLE: walkcon9.f
TIME PRINTED: Sat Dec 16 15:37:54 1995
TIME QUEUED: Sat Dec 16 15:33:56 1995
PRINTED AT: hp@hplj4 (hplj-4) @ gfr6000
SUBMITTED BY: wlw
LIVER TO: =====> wlw <=====

LAG VALUES:
0, b=0, d=a, f=, g=1, i=0, j=+, l=60, p=10, q=300, s=courier, t=0, u=1, v=6,
80, x=2, z=0, A=1, B=gn, C=!, H=, I=, J=+, K=, L=+, N=1, O=3,
=pcl:hp@hplj4, Q=1, W=, X=IBM-850, Z=+

PROGRAM WLKCON

```

*****
*** WALK ACCESS GENERATION - ACCTEST - 11/2/91 ***
*** ADDITIONAL SPLIT-ZONE LOGIC - 11/8/91 ***
*** WALKCON VERSION - 11/16/91 ***
*** TIME PERIOD FLAG - 11/29/91 ***
*** DATE/TIME TO MIMIC RS/6000 - 12/24/91 ***
*** MESSAGES TO UNIT 10 - 12/27/91 ***
*** FSUTMS-LIKE CONTROLS - 1/30/92 ***
*** RS/6000 VERSION - 2/1/92 ***
*** EXTRA MESSAGE - 2/24/92 ***
*** XY CHANGE - 4/1/92 ***
*** MORE NODES & NEW INET CHECK - 8/18/92 ***
*** BARRIERS - 9/6/92 ***
*** WALKCON9 VERSION - 9/5/93 ***
*** REVISED STATION AREA WALK CONNECTS - 1/28/94 ***
*****

```

```

INCLUDE 'paramter.inc'
CHARACTER*32 FILE11,FILE12,FILE13,FILE14,FILE15,FILE21,
1 FILE22,FILE23,FILE31,FILE32,FILE33,FILE16
CHARACTER*80 MESSAGE
CHARACTER*1 TOF
CHARACTER*48 RUN
CHARACTER*8 DATE,TIME,NAMEI
CHARACTER*30 IDB
INTEGER*4 NB(100),NBARX
REAL*4 XX,YY,XS,DISFAC
INTEGER*4 N,A,B,M,LINE,NODES(9),LL,ZONES,MAXN,DD,SHORT,IL,
1 MINT(9),MT,MAXM,TP,PERIOD,NOVER
INTEGER*4 MLW,MSW,AVG,ID,TT,NN,NEW,NX,MSWH,MLWH,MST,MLT,TAVG,HAVG
INTEGER*2 JUSE,KUSE
INTEGER*2 FINDN(3),FINDD(3),FINDT(3),SIDE2(9)
LOGICAL*4 EXISTS,EXST15,ERR31,ERR32,ERR33
LOGICAL*2 INFILE
NAMELIST /BAR/ IDB,NB
CHARACTER*3 NAME(6,2)
COMMON /NAMES/ NAME
COMMON /A/ X(MXNODE),Y(MXNODE),USE(MXNODE)
INTEGER*4 X,Y
INTEGER*2 USE
COMMON /B/ PCW(MXZONE,8),BNODE(MXZONE,6),DIST(MXZONE,6),
1 TTIME(MXZONE,6),NUM(MXZONE)
INTEGER*2 PCW,BNODE,DIST,TTIME,NUM
COMMON /C/ MAXN,MLW,MSW,AVG,MSWH,MLWH,XS,FINDN,FINDD,FINDT
COMMON /D/ NBAR,ABAR(1000),BBAR(1000)
INTEGER*4 NBAR,ABAR,BBAR,UNITS
DATA TP/0/,NOVER/0/,FILE31/'WALKCON.ER1'/,
1 FILE32/'WALKCON.ER2'/,FILE33/'WALKCON.ER3'/
DATA FILE12/'LINKS.hin'/,FILE11/'PCWALK.tin'/,
1 FILE13/'WALKIN.TEM'/,FILE14/'XY.TEM'/,
2 FILE21/'WLKHWPp.tin'/,FILE22/'WLKNEWpp.tin'/
3 FILE23/'CODWpp.tin'/,FILE15/'XTRAWALK.tin'/,
4 FILE16/'BARRIERS.tin'/,
5 ERR31/.FALSE./,ERR32/.FALSE./,ERR33/.FALSE./
DATA DISFAC/100.0/

```

```

TOF=CHAR(12)
CALL DATTIM(DATE,TIME)
WRITE(*,1000)
1000 FORMAT('/ WALKCON PROGRAM' /)

```

```

MAXN=0
MLW=100
MSW=33
AVG=67
MSWH=17
MLWH=50
XS=6.0/2.5
MST=MSW*XS+0.5
MLT=MLW*XS+0.5
TAVG=AVG*XS+0.5
HAVG=AVG/10.0+0.5
DO 3 I=1,MXNODE
X(I)=0
Y(I)=0
USE(I)=0
3 CONTINUE
DO 7 I=1,MXZONE
DO 5 J=1,6
BNODE(I,J)=0
DIST(I,J)=0
TTIME(I,J)=0
PCW(I,J)=0
5 CONTINUE
PCW(I,7)=0
PCW(I,8)=0
NUM(I)=0
7 CONTINUE

```

! READ PERIOD

```

INQUIRE(FILE='PERIOD1',EXIST=EXISTS)
IF (EXISTS) PERIOD = 1
INQUIRE(FILE='PERIOD2',EXIST=EXISTS)
IF (EXISTS) PERIOD = 2
IF(PERIOD.EQ.1) THEN
  TP=0
  FILE21 = 'WLKHUYAM.tin'
  FILE22 = 'WLKNEWAM.tin'
  FILE23 = 'CODWAM.tin'
ELSE
  TP=4
  FILE21 = 'WLKHUYMD.tin'
  FILE22 = 'WLKNEWMD.tin'
  FILE23 = 'CODWMD.tin'
ENDIF

```

OPEN PROFILE.MAS

```

OPEN(1,FILE='PROFILE.MAS')
40 READ(1,41,END=50) NAMEI
41 FORMAT(A)
IF (NAMEI.EQ.'&ZONESA') READ (1,*) ZONES
IF (NAMEI.EQ.'&TITLE') READ (1,41) RUN
IF (NAMEI.EQ.'&UNITS') THEN
  READ (1,*) UNITS
  DISFAC = 10000.0 / FLOAT(UNITS)
ENDIF
GO TO 40
50 CLOSE(1)

```

SET-UP DATA SET NAMES

```

OPEN (10, FILE='WALKCON.OUT', STATUS='NEW', FORM='FORMATTED')
INFILE = .TRUE.
CALL GETALT(FILE11, INFILE)
OPEN (11, FILE=FILE11, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(FILE12, INFILE)
OPEN (12, FILE=FILE12, STATUS='OLD', FORM='FORMATTED')
OPEN (13, FILE=FILE13, STATUS='OLD', FORM='FORMATTED')
OPEN (14, FILE=FILE14, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(FILE15, INFILE)
INQUIRE(FILE=FILE15, EXIST=EXST15)
IF (EXST15) OPEN (15, FILE=FILE15, STATUS='OLD', FORM='FORMATTED')
CALL GETALT(FILE16, INFILE)
OPEN (16, FILE=FILE16, STATUS='OLD', FORM='FORMATTED')
INFILE = .FALSE.
CALL GETALT(FILE21, INFILE)
OPEN (21, FILE=FILE21, STATUS='NEW', FORM='FORMATTED')
CALL GETALT(FILE22, INFILE)
OPEN (22, FILE=FILE22, STATUS='NEW', FORM='FORMATTED')
CALL GETALT(FILE23, INFILE)
OPEN (23, FILE=FILE23, STATUS='NEW', FORM='FORMATTED')

```

OPEN MESSAGE SCRATCH FILES

```

OPEN(31, FILE=FILE31, STATUS='NEW', FORM='FORMATTED')
WRITE(31, 3100) TOF
100 FORMAT(A1, 'SEVERE ERRORS (IF ANY)')
WRITE(31, 3000) DATE, TIME, RUN
0000 FORMAT(1X, A8, 63X, A8// ' RUN: ', A)
IF (ZONES.GT.MXZONE) THEN
    JF = MXZONE
    WRITE (*, 51) ZONES, JF
    WRITE (31, 51) ZONES, JF
51 FORMAT (' ***CRITICAL*** WALKCON PROGRAM ONLY HANDLES', I5, ' ZONES'
1      , // ' -- MUST BE INCREASED TO AT LEAST', I5)
    GO TO 990
ENDIF
OPEN(32, FILE=FILE32, STATUS='NEW', FORM='FORMATTED')
OPEN(33, FILE=FILE33, STATUS='NEW', FORM='FORMATTED')
WRITE(32, 3200) TOF
3200 FORMAT(A1, 'POTENTIAL ERRORS (IF ANY)')
WRITE(33, 3300) TOF
.300 FORMAT(A1, 'INFORMATION MESSAGES (IF ANY)')
WRITE(32, 3000) DATE, TIME, RUN
WRITE(33, 3000) DATE, TIME, RUN

```

READ COORDINATES

```

100 CONTINUE
READ(14, 1851, END=105) N, XX, YY
1851 FORMAT(I6, 2F9.2)
X(N) = DISFAC*XX
Y(N) = DISFAC*YY
IF(N.GT.MAXN) MAXN=N
GO TO 100

```

READ BARRIER LINKS

```

105 NBAR=0

```

```

110 CONTINUE
    DO 111 I=1,100
    NB(I)=0
111 CONTINUE
    READ(16,BAR,END=115)
    DO 112 I=1,100
    IF(NB(I).EQ.0) GO TO 113
112 CONTINUE
113 NBARX=I-2
    DO 114 I=1,NBARX
    NBAR=NBAR+1
    IF(NBAR.GT.1000) THEN
        WRITE(*,1037)
037   FORMAT(' *** NUMBER OF BARRIER LINKS EXCEEDS MAX OF 1000 ***')
        GO TO 990
    ENDIF
    ABAR(NBAR)=NB(I)
    BBAR(NBAR)=NB(I+1)
114 CONTINUE
    GO TO 110

: READ SIDEWALK LINKS
:
115 CONTINUE
    WRITE(*,2001) MAXN,NBAR
2001 FORMAT(/' MAXIMUM NODE NUMBER = ',I8/
1      ' BARRIER LINKS = ',I8)
120 CONTINUE
    READ(13,1801,END=980) N,A,B,M
1801 FORMAT(I1,2I5,I3,9X,I3,3X,I3)
    IF(N.GT.1) GO TO 130
    IF(M.NE.3) GO TO 120
    USE(A)=-1
    USE(B)=-1
    GO TO 120

: READ TRANSIT LINKS
:
130 IF(N.NE.9) THEN
    WRITE(*,1020) N
020   FORMAT(' *** ERROR; N= ',I4)
    GO TO 990
    ENDIF
140 CONTINUE
    READ(13,1802,END=150) N,M,LINE,(NODES(I),I=1,9)
1802 FORMAT(I1,2X,I2,I3,18X,9I5)
    IF(N.EQ.9) GO TO 150
    LL=1000*M+LINE
    DO 145 I=1,9
    N=NODES(I)
    IF(N.GT.0.AND.USE(N).LE.0) USE(N)=LL
145 CONTINUE
    GO TO 140

: READ SPECIAL LINKS
:
150 IF (EXST15) THEN
152   READ(15,1801,END=155) N,A,B,M
    IF(M.NE.3) GO TO 152
    NOVER=NOVER+1

```

```

        USE(A)=-1
        USE(B)=-1
        GO TO 152
155    REWIND 15
        WRITE(*,2002)
2002   FORMAT(' END OF TRANSIT-RELATED LINKS')
        ENDIF

READ PERCENT WALKS

160   READ (11,1702,END=164) N, (PCW(N,J),J=1,8)
1702   FORMAT(I5,8I6)
        IF (N.GT.ZONES) THEN
            ERR31 = .TRUE.
            WRITE (31,161) N,ZONES
161   FORMAT (' ***CRITICAL*** ZONE NUMBER',I5,',', ON THE "PCWALK" FILE E
1XCEEDS MAXIMUM ZONE NUMBER',I5)
        ENDIF
        GO TO 160
164   IF (ERR31) GO TO 2000

166   READ(11,1702,END=170) N, (PCW(N,J),J=1,8)
1702   FORMAT(I5,8I6)
        GO TO 166

READ HIGHWAY LINKS

170   CONTINUE
        READ(12,1751,END=175) A,B
1751   FORMAT(2X,2I5)
        IF(A.GT.ZONES) GO TO 175
        CALL DISTANCE(A,B,DD,TT)
        NN=NUM(A)+1
        NUM(A)=NN
        IF(NN.GT.6) THEN
            NUM(A) = 6
            ERR33 = .TRUE.
            WRITE(33,1021) A
1021   FORMAT(' ***INFO*** MORE THAN 6 CENTROID CONNECTORS FOR ZONE',
1I5)
        ELSE
            BNODE(A,NN)=B
            DIST(A,NN)=DD
            TTIME(A,NN)=TT
        ENDIF
        GO TO 170

RE-READ SPECIAL LINKS FOR CENTROID CONNECTORS

175   IF (EXST15) THEN
180   READ(15,1801,END=190) N,A,B,M,DD,TT
        IF(M.NE.1) GO TO 180
        IF(A.GT.ZONES) GO TO 180
        IF(USE(B).EQ.0) THEN
            ERR32 = .TRUE.
            WRITE(32,3210) A,B
3210   FORMAT(' SPECIAL CENTROID LINK FROM',I5,', NOT CONNECTED TO',
1 ' TRANSIT NETWORK AT',I7)
        ENDIF
        NN=NUM(A)

```

```

NX=0
IF(TT.EQ.0) CALL DISTANCE (A,B,DD,TT)
DO 185 I=1,NN
  IF(BNODE(A,I).EQ.B) THEN
    BNODE(A,I)=-BNODE(A,I)
    DIST(A,I)=DD
    TTIME(A,I)=TT
  ELSE
    IF(NN.NE.6) THEN
      NX=NN+1
      BNODE(A,NX)=-B
      DIST(A,NX)=DD/10.0+0.5
      TTIME(A,NX)=TT
    ENDIF
  ENDIF
185  CONTINUE
    NUM(A)=NX
    GO TO 180
ENDIF
190 WRITE(*,2003)
003 FORMAT(' ZONES: '/')

```

SUMMARY REPORT

```

WRITE(10,6000) TOF,DATE,TIME,RUN,NAME(3,1),NAME(5,1),MAXN,NOVER
6000 FORMAT(A1,'WALK ACCESS PROGRAM'/
1 1X,A8,63X,A8//
2 ' RUN: ',A/
3 '           HWY ID: ',A3/
4 '           TRAN ID: ',A3/
2 '   MAXIMUM NODES = ',I8/
3 ' OVER-RIDE LINKS = ',I8)

```

CHECK HIGHWAY CONNECTORS

```

DO 890 I=1,ZONES
  IF(MOD(I,100).EQ.0) WRITE(*,2004) I
2004 FORMAT(I6)
  NEW=0
  DO 200 L=1,3
    FINDD(L)=0
    FINDN(L)=0
    FINDT(L)=0
200  CONTINUE
  DO 205 L=1,9
    MINT(L)=0
205  CONTINUE
  NN=NUM(I)
  IF(PCW(I,TP+1).EQ.0.AND.PCW(I,TP+3).EQ.0) GO TO 800

```

SHORTEST CONNECTED TIME

```

SHORT=99999
DO 210 J=1,NN
  IF(USE(IABS(BNODE(I,J))).EQ.0) GO TO 210
  IF(TTIME(I,J).GT.0.AND.TTIME(I,J).LT.SHORT) SHORT=TTIME(I,J)
210 CONTINUE
  IF(SHORT.EQ.99999) SHORT=-1
  IF(PCW(I,TP+1).EQ.100) GO TO 300
  IF(PCW(I,TP+1).LT.100.AND.PCW(I,TP+3).EQ.100) GO TO 400

```



```

IF(PCW(I,TP+1).LT.100.AND.PCW(I,TP+3).LT.100) GO TO 500
IF(PCW(I,TP+1).EQ.0.AND.PCW(I,TP+3).EQ.100) GO TO 600
IF(PCW(I,TP+1).EQ.0.AND.PCW(I,TP+3).LT.100) GO TO 700
WRITE(*,1040) I,PCW(I,TP+1),PCW(I,TP+3)
1040 FORMAT(' *** LOGIC PROBLEM FOR ZONE',I5,', PCW: ',I2I6)
GO TO 990

100% SHORT

300 CONTINUE
IF(SHORT.GT.0.AND.SHORT.LE.MST) GO TO 350
ERR33 = .TRUE.
WRITE(33,3301) I,SHORT
301 FORMAT(' NO QUALIFYING SHORT LINK FOR',I5,', ; SHORT = ',I6)
CALL SEARCH (I,MSW,NEW)
IF(NEW.EQ.0) THEN
    ERR31 = .TRUE.
    WRITE(31,3101) I
3101 FORMAT(' NO SHORT LINK FOUND OR CREATED FOR',I5/
1      ' EXISTING CONNECTORS BEING USED')
    GO TO 350
ENDIF
DO 310 J=1,NEW
CALL LINK(1,FINDD(J),FINDN(J),FINDT(J),ID,TT)
MINT(NN+J)=TT
WRITE(22,2201) I,FINDN(J),ID,TT
201 FORMAT('1',I2I5,' 1',9X,I3,3X,I3,12X,'2')
310 CONTINUE

CHECK OTHER CONNECTORS

DO 340 J=1,NN
JUSE=USE(IABS(BNODE(I,J)))
IF(JUSE.EQ.0) GO TO 340
DO 330 K=1,NEW
KUSE=USE(FINDN(K))
IF(JUSE.EQ.KUSE) GO TO 330
CALL LINK(1,DIST(I,J),BNODE(I,J),TTIME(I,J),ID,TT)
MINT(J)=TT
IF(TT.LE.MLT) WRITE(21,2201) I,IABS(BNODE(I,J)),ID,TT
GO TO 340
330 CONTINUE
340 CONTINUE
GO TO 370
350 CONTINUE
DO 360 J=1,NN
IF(USE(IABS(BNODE(I,J))).EQ.0) GO TO 360
CALL LINK(1,DIST(I,J),BNODE(I,J),TTIME(I,J),ID,TT)
MINT(J)=TT
IF(TT.LE.MLT) WRITE(21,2201) I,IABS(BNODE(I,J)),ID,TT
360 CONTINUE
370 CONTINUE
NT=NN+NEW
MT=9999
DO 380 J=1,NT
IF(MINT(J).GT.0.AND.MINT(J).LT.MT) MT=MINT(J)
380 CONTINUE
WRITE(23,2301) I,MT
2301 FORMAT(2I5)
GO TO 890

```

<100% SHORT, 100% LONG

```
400 CONTINUE
  IF (SHORT.LT.0.OR.SHORT.GT.MLT) THEN
    ERR33 = .TRUE.
    WRITE(33,3304) I,SHORT
304  FORMAT(' NO QUALIFYING LONG LINK FOR',I5,','; SHORT = ',I6)
    CALL SEARCH (I,MLW,NEW)
    IF (NEW.EQ.0) THEN
      ERR31 = .TRUE.
      WRITE(31,3104) I
3104  FORMAT(' NO LONG LINK FOUND OR CREATED FOR',I5)
      GO TO 890
    ENDIF
  ENDIF
  CALL OPPOSE (I,NEW,SIDE2)
  IF (NEW.GT.0) THEN
    DO 410 J=1,NEW
      IL=3-SIDE2(J)
      CALL LINK(IL,FINDD(J),FINDN(J),FINDT(J),ID,TT)
      MINT(NN+J)=TT
      WRITE(22,2201) I,FINDN(J),ID,TT
410  CONTINUE
```

! CHECK OTHER CONNECTORS

```
  DO 440 J=1,NN
    JUSE=USE(IABS(BNODE(I,J)))
    IF(JUSE.EQ.0) GO TO 440
    DO 430 K=1,NEW
      KUSE=USE(FINDN(K))
      IF(JUSE.EQ.KUSE) GO TO 430
      IL=3-SIDE2(J)
      CALL LINK(IL,DIST(I,J),BNODE(I,J),TTIME(I,J),ID,TT)
      MINT(J)=TT
      IF(TT.LE.MLT) WRITE(21,2201) I,IABS(BNODE(I,J)),ID,TT
      GO TO 440
430  CONTINUE
440  CONTINUE
  ELSE
    DO 450 J=1,NN
      IF(USE(IABS(BNODE(I,J))).EQ.0) GO TO 450
      IL=3-SIDE2(J)
      CALL LINK(IL,DIST(I,J),BNODE(I,J),TTIME(I,J),ID,TT)
      MINT(J)=TT
      IF(TT.LE.MLT) WRITE(21,2201) I,IABS(BNODE(I,J)),ID,TT
450  CONTINUE
      NT=NN+NEW
      MT=9999
    ENDIF
    DO 460 J=1,NT
      IF(MINT(J).GT.0.AND.MINT(J).LT.MT) MT=MINT(J)
460  CONTINUE
      WRITE(23,2301) I,MT
      GO TO 890
```

<100% SHORT, <100% LONG

500 CONTINUE

```

N=0
MAXM=0
DO 510 J=1,NN
ID=DIST(I,J)
IF(BNODE(I,J).LT.0) ID=ID*10
IF(ID.GT.MAXM) MAXM=ID
IF(USE(IABS(BNODE(I,J))).EQ.0) GO TO 510
N=N+1
510 CONTINUE
IF(N.EQ.0.) THEN
ERR33 = .TRUE.
WRITE(33,3305) I
3305 FORMAT(' NO HIGHWAY CONNECTORS FOR MIXED WALK AREA AT',I6)
MAXM=MAXM*1.5+0.5
IF(MAXM.LT.170) MAXM=170
CALL SEARCH (I,MAXM,NEW)
IF(NEW.EQ.0) THEN
ERR31 = .TRUE.
WRITE(31,3104) I
GO TO 890
ENDIF
:
: SCAN FOR MINIMUM CONNECTOR
:
IL=FINDT(1)
JJ=1
IF(NEW.EQ.1) GO TO 520
IF(FINDT(2).LT.IL) THEN
IL=FINDT(2)
JJ=2
ENDIF
IF(NEW.EQ.3.AND.FINDT(3).LT.IL) THEN
IL=FINDT(3)
JJ=3
ENDIF
520 CONTINUE
WRITE NEW LINKS
:
DO 530 J=1,NEW
IF(FINDT(J).LE.MLT) THEN
WRITE(22,2201) I,FINDN(J),HAVG,TAVG
ELSE
IF(IL.GT.MLT.AND.J.EQ.JJ) THEN
WRITE(22,2201) I,FINDN(J),HAVG,TAVG
ERR32 = .TRUE.
WRITE(32,3250) IL,I,FINDN(J)
3250 FORMAT(' ONLY LENGTHY CONNECTOR OF',I6,' FOUND AT',I6,
1 ' CONNECTED TO',I7)
ENDIF
ENDIF
530 CONTINUE
ELSE
WRITE OTHER LINKS
:
DO 540 J=1,NN
IF(USE(IABS(BNODE(I,J))).EQ.0) GO TO 540
CALL LINK(4,DIST(I,J),BNODE(I,J),TTIME(I,J),ID,TT)
WRITE(21,2201) I,IABS(BNODE(I,J)),ID,TT

```

```
540 CONTINUE
    ENDIF
    WRITE(23,2301) I,TAVG
    GO TO 890
```

0% SHORT, 100% LONG

```
600 CONTINUE
```

ERROR CHECKING

```
    DO 610 J=1,NN
    ID=DIST(I,J)
    IF(BNODE(I,J).LT.0) ID=ID*10
    IF(ID.LT.MSW) THEN
        ERR33 = .TRUE.
        WRITE(33,3350) I,ID,IABS(BNODE(I,J))
350 FORMAT(' ZERO PERCENT SHORT WALK CODED FOR',I6,' BUT SHORT',
1 ' CONNECTOR OF',I6,' FOUND AT',I6)
    ENDIF
610 CONTINUE
    GO TO 400
```

0% SHORT, <100% LONG

```
700 CONTINUE
```

ERROR CHECKING

```
    DO 710 J=1,NN
    ID=DIST(I,J)
    IF(BNODE(I,J).LT.0) ID=ID*10
    IF(ID.LT.MSW) THEN
        ERR33 = .TRUE.
        WRITE(33,3350) I,ID,IABS(BNODE(I,J))
    ENDIF
710 CONTINUE
    GO TO 500
```

NO WALK

```
800 CONTINUE
```

ERROR CHECKING

```
    DO 810 J=1,NN
    N=IABS(BNODE(I,J))
    IF(USE(N).EQ.0) GO TO 810
    ID=DIST(I,J)
    IF(BNODE(I,J).LT.0) ID=10*ID
    IF(ID.LE.MLW) THEN
        ERR33 = .TRUE.
        WRITE(33,3370) I,ID,N
370 FORMAT(' ZERO PERCENT WALK BUT CONNECTOR FOUND FOR',I6,
1 ' ; DISTANCE =',I6,' AT',I6)
    ENDIF
810 CONTINUE
    WRITE(23,2302) I
2302 FORMAT(I5,' 9999')
890 CONTINUE
```

CONCATENATE ERROR FILES

```
IF (ERR31) THEN
  REWIND 31
914 READ (31,3001,END=920) MESSAGE
3001 FORMAT(A80)
  WRITE(10,3001) MESSAGE
  GO TO 914
ENDIF
920 IF (ERR32) THEN
  REWIND 32
924 READ (32,3001,END=930) MESSAGE
  WRITE(10,3001) MESSAGE
  GO TO 924
ENDIF
930 IF (ERR33) THEN
  REWIND 33
934 READ (33,3001,END=2000) MESSAGE
  WRITE(10,3001) MESSAGE
  GO TO 934
ENDIF
```

ERROR AREA

```
980 WRITE (*,1011)
.011 FORMAT(' *** TRANSIT NETWORK OUT OF SYNC ***')
990 ERR31 = .TRUE.
2000 CLOSE (32,STATUS='DELETE')
  CLOSE (33,STATUS='DELETE')
  IF (ERR31) THEN
    CLOSE (31,STATUS='KEEP')
    STOP 'WALKCON Abnormal STOP'
  ELSE
    CLOSE (31,STATUS='DELETE')
    STOP 'WALKCON Normal STOP'
  ENDIF
END
SUBROUTINE DISTANCE (A,B,DD,TT)
```

SUBROUTINE TO COMPUTE DISTANCE FROM COORDINATES

```
INCLUDE 'paramter.inc'
INTEGER*4 A,B,IX,IY,DD,TT
INTEGER*4 MAXN,MLW,MSW,AVG,MSWH,MLWH
INTEGER*2 FINDN(3),FINDD(3),FINDT(3)
REAL*4 XS
COMMON /A/ X(MXNODE),Y(MXNODE),USE(MXNODE)
INTEGER*4 X,Y
INTEGER*2 USE
COMMON /C/ MAXN,MLW,MSW,AVG,MSWH,MLWH,XS,FINDN,FINDD,FINDT
IX=IABS(X(A)-X(B))
IY=IABS(Y(A)-Y(B))
DD=SQRT(1.0*IX*IX+1.0*IY*IY)
TT=XS*DD+0.5
RETURN
END
SUBROUTINE SEARCH (N,LIM,NEW)
```

SUBROUTINE TO FIND A NEW TRANSIT CONNECTION

```

INCLUDE 'paramter.inc'
INTEGER*4 LIM,N,DD,TT,LINE(3),NEW,IZAP
INTEGER*4 MAXN,MLW,MSW,AVG,MSWH,MLWH
INTEGER*2 FINDN(3),FINDD(3),FINDT(3)
REAL*4 XS
COMMON /A/ X(MXNODE),Y(MXNODE),USE(MXNODE)
INTEGER*4 X,Y
INTEGER*2 USE
COMMON /C/ MAXN,MLW,MSW,AVG,MSWH,MLWH,XS,FINDN,FINDD,FINDT
DO 90 I=1,MAXN
IF(USE(I).EQ.0) GO TO 90
CALL DISTANCE (I,N,DD,TT)
IF(DD.GT.LIM) GO TO 90
IZAP=0
CALL BARRIER(I,N,IZAP)
IF(IZAP.EQ.1) GO TO 90
IF(NEW.EQ.0) GO TO 30
DO 20 J=1,NEW
IF(USE(I).NE.LINE(J)) GO TO 20
IF(USE(I).EQ.LINE(J).AND.DD.GE.FINDD(J)) GO TO 90
FINDN(J)=I
FINDD(J)=DD
FINDT(J)=TT
GO TO 90
20 CONTINUE
30 CONTINUE
IF(NEW.LT.3) THEN
NEW=NEW+1
FINDN(NEW)=I
FINDD(NEW)=DD
FINDT(NEW)=TT
LINE(NEW)=USE(I)
ELSE
: CHECK LONGEST CURRENT LINK

IF(FINDD(1).GE.FINDD(2).AND.FINDD(1).GE.FINDD(3)) II=1
IF(FINDD(2).GE.FINDD(1).AND.FINDD(2).GE.FINDD(3)) II=2
IF(FINDD(3).GE.FINDD(1).AND.FINDD(3).GE.FINDD(2)) II=3
IF(DD.GT.FINDD(II)) GO TO 90
FINDN(II)=I
FINDD(II)=DD
FINDT(II)=TT
LINE(II)=USE(I)
NEW=3
ENDIF
90 CONTINUE
RETURN
END
SUBROUTINE OPPOSE(I,NEW,SIDE2)

```

```

: SUBROUTINE TO CHECK FOR CONNECTS ON OPPOSITE SIDES OF ZONE

```

```

INCLUDE 'paramter.inc'
INTEGER*4 I,NX,KK,DIS(9),NT,NEW
REAL*4 PP2,BEAR(9),DELB,XX,YY
INTEGER*2 TEST(9,9),SIDE2(9)
INTEGER*4 MAXN,MLW,MSW,AVG,MSWH,MLWH
INTEGER*2 FINDN(3),FINDD(3),FINDT(3)

```

```

REAL*4 XS
COMMON /A/ X(MXNODE), Y(MXNODE), USE(MXNODE)
INTEGER*4 X, Y
INTEGER*2 USE
COMMON /B/ PCW(MXZONE, 8), BNODE(MXZONE, 6), DIST(MXZONE, 6),
1          TTIME(MXZONE, 6), NUM(MXZONE)
INTEGER*2 PCW, BNODE, DIST, TTIME, NUM
COMMON /C/ MAXN, MLW, MSW, AVG, MSWH, MLWH, XS, FINDN, FINDD, FINDT
DO 10 J=1, 9
BEAR(J)=0.0
DIS(J)=0
SIDE2(J)=0
DO 10 K=1, 9
TEST(J, K)=0
10 CONTINUE
PP2=2.0*ATAN2(0.0, -1.0)
NN=NUM(I)
IF(NN.LE.1) GO TO 30
DO 20 J=1, NN
NX=IABS(BNODE(I, J))
IF(USE(NX).EQ.0) GO TO 20
DIS(J)=1
XX=X(I) - X(NX)
YY=Y(I) - Y(NX)
BEAR(J)=ATAN2(XX, YY)
IF(BEAR(J).LT.0.0) BEAR(J)=PP2+BEAR(J)
20 CONTINUE

: CHECK FOUND LINKS

30 CONTINUE
IF(NEW.EQ.0) GO TO 50
DO 40 L=1, NEW
NX=FINDN(L)
DIS(NN+L)=1
XX=X(I) - X(NX)
YY=Y(I) - Y(NX)
BEAR(NN+L)=ATAN2(XX, YY)
IF(BEAR(NN+L).LT.0.0) BEAR(NN+L)=PP2+BEAR(NN+L)
40 CONTINUE

: CHECK FOR OPPOSED PAIRS OF CONNECTORS

50 CONTINUE
NT=NN+NEW
DO 70 J=1, NT
IF(DIS(J).EQ.0) GO TO 70
KK=J+1
DO 60 K=KK, NT
IF(DIS(K).EQ.0) GO TO 60
DELB=ABS(BEAR(J) - BEAR(K))
IF(DELB.GT.2.7.AND.DELB.LT.3.6) THEN
    TEST(J, K)=1
    SIDE2(J)=1
    SIDE2(K)=1
ENDIF
60 CONTINUE
70 CONTINUE
80 continue
90 continue

```

```

RETURN
END
SUBROUTINE LINK(OPT,D,NODE,T, ID, TT)

```

```

SUBROUTINE TO COMPUTE LINK TIME AND DISTANCE FOR OUTPUT

```

```

REAL*4 XS
INTEGER*4 ID, TT, DD, OPT, DL
INTEGER*4 MAXW, MLW, MSW, AVG, MSWH, MLWH
INTEGER*2 FINDN(3), FINDD(3), FINDT(3), D, NODE, T
COMMON /C/ MAXW, MLW, MSW, AVG, MSWH, MLWH, XS, FINDN, FINDD, FINDT
IF(OPT.GT.1) GO TO 10

```

```

SHORT WALK AREA

```

```

IF(NODE.GT.0) THEN
  DD=D/2
  IF(DD.LT.MSWH) DD=MSWH
  IF(D.LE.MSWH) DD=D
  ID=DD/10.0+0.5
  TT=XS*DD+0.5
ELSE
  ID=D
  TT=T
ENDIF
RETURN

```

```

LONG WALK AREA

```

```

10 CONTINUE
IF(NODE.GT.0) THEN
  IF(OPT.LT.4) THEN
    DD=D/2
    IF(DD.LT.MLWH) DD=MLWH
    IF(D.LE.MLWH) DD=D
    DL=(DD*(OPT-1)+MSW)/2.0+0.5
    ID=DL/10.0+0.5
    TT=XS*DL+0.5
  ELSE
    ID=AVG/10.0+0.5
    TT=XS*AVG+0.5
  ENDIF
ELSE
  ID=D
  TT=T
ENDIF
RETURN
END
SUBROUTINE BARRIER(M,N, IZAP)
INCLUDE 'paramter.inc'
INTEGER*4 M, N, IZAP, NA, NB, NX, NY, XMAX, XMIN, YMAX, YMIN,
1 XMINB, XMAXB, YMINB, YMAXB
INTEGER*4 NBAR, ABAR(1000), BBAR(1000)
REAL A1, A2, XX, B1, B2
COMMON /A/ X(MXNODE), Y(MXNODE), USE(MXNODE)
INTEGER*4 X, Y
INTEGER*2 USE
COMMON /D/ NBAR, ABAR, BBAR
DO 190 I=1, NBAR
NA=ABAR(I)

```



```

NB=BBAR(I)
NX=0
NY=0
A1=0.0
A2=0.0
IF(X(NA).EQ.X(NB)) GO TO 100
IF(X(M).EQ.X(N)) GO TO 150
XX=X(NA)-X(NB)
A1=(Y(NA)-Y(NB))/XX
B1=Y(NA)-A1*X(NA)
XX=X(M)-X(N)
A2=(Y(M)-Y(N))/XX
B2=Y(M)-A2*X(M)
NX=(B2-B1)/(A1-A2)+0.5
NY=A2*NX+B2
XMAX=MAX(X(M),X(N))
XMIN=MIN(X(M),X(N))
YMAX=MAX(Y(M),Y(N))
YMIN=MIN(Y(M),Y(N))
XMAXB=MAX(X(NA),X(NB))
XMINB=MIN(X(NA),X(NB))
YMAXB=MAX(Y(NA),Y(NB))
YMINB=MIN(Y(NA),Y(NB))
IF(NX.GT.XMIN.AND.NX.LT.XMAX.AND.
1  NY.GT.YMIN.AND.NY.LT.YMAX.AND.
2  NX.GT.XMINB.AND.NX.LT.XMAXB.AND.
3  NY.GT.YMINB.AND.NY.LT.YMAXB) GO TO 200
GO TO 190

```

VERTICAL BARRIER

```

100 CONTINUE
IF(X(M).EQ.X(N)) GO TO 190
XX=X(M)-X(N)
A2=(Y(M)-Y(N))/XX
B2=Y(M)-A2*X(M)
NY=B2+A2*X(NA)+0.5
YMIN=MIN(Y(NA),Y(NB))
YMAX=MAX(Y(NA),Y(NB))
IF(NY.GT.YMIN.AND.NY.LT.YMAX) GO TO 200
GO TO 190

```

VERTICAL LINK

```

150 CONTINUE
XX=X(NA)-X(NB)
A1=(Y(NA)-Y(NB))/XX
B1=Y(NA)-A1*X(NA)
NY=B1+A1*X(M)+0.5
YMAX=MAX(Y(M),Y(N))
YMIN=MIN(Y(M),Y(N))
IF(NY.GT.YMIN.AND.NY.LT.YMAX) GO TO 200
190 CONTINUE
GO TO 220
200 CONTINUE
IZAP=1
220 CONTINUE
RETURN
END

```

III. SCRIPT FILES

```
$DOS echo \*\*\*\*\* EXT \*\*\*\*\* -- START
$DOS rm -f EXT.OUT
$DOS rm -f *.TEM
$DOS rm -f EEMAKE.ERR
$DOS /urbansys/datime
$DOS eemake
$DOS /urbansys/datime
$DOS if -e EEMAKE.ERR goto err
$REPORT MATRIX
$FILE
  INPUT FILE = RTABIN, USER ID = $EETAB.&ALTOUT$
$OPTIONS
  PRINT TRIP ENDS
$END TP FUNCTION
$DOS echo -----
$DOS echo --note:  If you are using the MPMP NLOGIT-----
$DOS echo --option, the ee file created by this step is---
$DOS echo --replaced with a SERPM II compressed matrix---
$DOS echo --file by DISTRIB.TR6. -----
$DOS echo -----
$DOS /urbansys/datime
$DOS echo \*\*\*\*\* EXT \*\*\*\*\* -- END
$DOS if -e TRNPLN.ERR goto err
```

```
$DOS echo \*\*\*\*\* GEN \*\*\*\*\* -- START
$DOS rm -f GEN.OUT
$DOS /urbansys/datetime
$DOS gen
$DOS /urbansys/datetime
$DOS echo \*\*\*\*\* GEN \*\*\*\*\* -- END
```

```
$DOS echo \*\*\*\* HNET \*\*\*\* -- START
$DOS rm -f HNET.OUT
$DOS /urbansys/datime
$DOS netpro
$DOS if -e NETPRO.INF goto HNET1
$DOS goto HNET2
$DOS HNET1:
$DOS mv NETPRO.INF HNET.OUT
$DOS HNET2:
$DOS if -e NETPRO.ERR goto HNET3
$BUILD HIGHWAY NETWORK
$FILE
  INPUT FILE = NETDATA, USER ID = $HWYNET.TEM$, UNLOAD
  OUTPUT FILE = HWYNET, USER ID = $HNET.&ALTOUT$
$HEADERS
$INCLUDE TITLE          MICRO-FSUTMS -- BUILD HIGHWAY NETWORK
$OPTIONS
  NETDATA
  LARGE COORDINATES
  FDOT
$PARAMETERS
  NUMBER OF ZONES = &ZONESA
  MAXIMUM NODE = &NODES
  ERROR LIMIT = 50
  COORDINATE DISTANCE FACTOR = &UNITS
$END TP FUNCTION
$REPORT HIGHWAY NETWORK
$FILE
  INPUT FILE = HWYNET, USER ID = $HNET.&ALTOUT$
$OPTION
  DETAIL, PRINT COORDINATES
  ROUND SPEEDS
$END TP FUNCTION
$DOS goto HNET5
$DOS HNET3:
$DOS cp NETPRO.ERR TRNPLN.ERR
$DOS if -e HNET.OUT goto HNET4
$DOS mv NETPRO.ERR HNET.OUT
$DOS goto HNET5
$DOS HNET4:
$DOS cat NETPRO.ERR >>HNET.OUT
$DOS rm NETPRO.ERR
$DOS HNET5:
$DOS echo \*\*\*\* HNET \*\*\*\* -- END
$DOS /urbansys/datime
$DOS if -e TRNPLN.ERR goto err
```

```

$DOS echo \*\*\*\*\* DISTRIB \*\*\*\*\* -- START
$DOS rm -f A1DECK.TEM
$DOS rm -f DISTRIB.OUT
$DOS rm -f TTPREP.TEM
$DOS /urbansys/datime
$BUILD INTRAZONAL IMPEDANCES
$FILES
  INPUT FILE = IZIN, USER ID = $FHSKIMS.&ALTOUT$
  OUTPUT FILE = IZOUT, USER ID = $IZTIME.TEM$
$HEADERS
$INCLUDE TITLE
  FREE-FLOW SKIMS -- COST, DIST, TIME, IMPEDANCE -- WITH INTRAZONALS
$OPTION
  PRINT DETAIL
$PARAMETERS
  AVERAGE ADJACENT ZONES = &AVEZONE
$END TP FUNCTION
$DOS /urbansys/datime
$DOS ttprept2
$MATRIX UPDATE
$FILES
  INPUT FILE = UPDIN, USER ID = $IZTIME.TEM$, UNLOAD
  INPUT FILE = MUPDATA, USER ID = $TTPREP.TEM$, UNLOAD
  OUTPUT FILE = UPDOUT, USER ID = $FHSKIMS.TEM$
$HEADERS
$INCLUDE TITLE
  FREE-FLOW SKIMS -- COST, DIST, TIME, IMPEDANCE -- WITH TERMINAL TIMES
$OPTION
  MUPDATA
$END TP FUNCTION
$DOS /urbansys/datime
$GRAVITY MODEL
$FILES
  INPUT FILE = GMSKIM, USER ID = $FHSKIMS.TEM$
  OUTPUT FILE = GMVOL, USER ID = $PTRIPS.&ALTOUT$
$HEADERS
$INCLUDE TITLE
  PURP1 = H-BWORK, PURP2 = H-BSHOP, PURP3 = H-BSOC/REC, PURP4 = H-BMISC
  PURP5 = NONH-B , PURP6 = TRUCK-TAXI, PURP7 = INT-EXT
$OPTIONS
  MERGED PURPOSE FILE
  PRINT TRIP ENDS
  PRINT ATTRACTIONS
  PRINT TRIP LENGTH STATISTICS
$PARAMETERS
  MAXIMUM PURPOSE = 7
  SELECTED PURPOSES = 1-7
  MAXIMUM TIME = &MAXTIM
  IMPEDANCE = &GMTIME
  ITERATIONS ON ATTRACTIONS = &ATITER
  ATTRACTION CLOSURE = 10.0
$DATA
+INCLUDE PRODS.&ALTOUT
+INCLUDE ATTRS.&ALTOUT
+INCLUDE FF.&ALTIN
$END TP FUNCTION
$DOS echo -----
$DOS echo ---BEGIN IE/EI/EE TRIP TABLE REPLACEMENT W/SERPM II ---
$DOS echo -----
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $PTRIPS.&ALTOUT$
  INPUT FILE = TMAN2, USER ID = $IEEIEE.&ALTIN$
  OUTPUT FILE = TMAN3, USER ID = $PTRIPS.TEM$
$HEADER
$INCLUDE TITLE

```

```

THIS REPLACES THE IE/EI/EE MATRIX W/THE SERPM II COMPRESSED MATRIX
T1=HBW, T2=HBSH, T3=HBSR, T4=HBO, T5=NHB, T6=T-T, T7=I-E/EI T8=EE
$DATA
  TMAN3,T1= TMAN1,T1
  TMAN3,T2= TMAN1,T2
  TMAN3,T3= TMAN1,T3
  TMAN3,T4= TMAN1,T4
  TMAN3,T5= TMAN1,T5
  TMAN3,T6= TMAN1,T6
  TMAN3,T7= TMAN2,T1+TMAN2,T2
  TMAN3,T8= TMAN2,T3
$END TP FUNCTION
$DOS mv PTRIPS.TEM PTRIPS.&ALTOUT
$DOS echo -----
$DOS echo ---COUTINUE TRIP TABLE UPDATE W/SERPM II ---
$DOS echo -----
$REPORT TRIP LENGTH FREQUENCY
$FILES
  INPUT FILE = SKIM, USER ID = $FHSKIMS.TEM$, UNLOAD
  INPUT FILE = VOLUME, USER ID = $PTRIPS.&ALTOUT$
$HEADERS
  REPORT UNCONGESTED FHSKIMS TLFREQ W/ TIME2 w/ TT'S
  1-HBW, 2-HBSH, 3-HBSR, 4-HBO, 5-NHB, 6-TT, 7-IE, 8-EE
$PARAMETERS
  MAXIMUM IMPEDANCE = &MAXTIME
  IMPEDANCE = &GMTIME
$END TP FUNCTION
$DOS /urbansys/datime
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $PTRIPS.&ALTOUT$
  OUTPUT FILE = TMAN2, USER ID = $MATRIX1.TEM$
$HEADERS
$INCLUDE TITLE
  P1=TRK-TAXI, P2=INT-EXT, P3=EXT-EXT
$DATA
  TMAN2,T1 = TMAN1,T6
  TMAN2,T2 = TMAN1,T7
  TMAN2,T3 = TMAN1,T8
$END TP FUNCTION
$DOS echo -----
$DOS echo --- END IE/EI/EE TRIP TABLE REPLACEMENT W/SERPM II ---
$DOS echo -----
$DOS exthov
$MATRIX UPDATE
$FILES
  INPUT FILE = UPDIN, USER ID = $MATRIX1.TEM$
  INPUT FILE = MUPDATA, USER ID = $EXTHOV.TEM$, UNLOAD
  OUTPUT FILE = UPDOUT, USER ID = $MATRIX2.TEM$
$HEADERS
$INCLUDE TITLE
  HOV SPECIAL TRIP TABLE
$OPTIONS
  MUPDATA
$END TP FUNCTION
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $MATRIX1.TEM$, UNLOAD
  INPUT FILE = TMAN2, USER ID = $MATRIX2.TEM$, UNLOAD
  OUTPUT FILE = TMAN3, USER ID = $MATRIX3.TEM$
$HEADERS
$INCLUDE TITLE
  COLLAPSED SPECIAL TRIPS
  T1 = LOV, T2 = HOV
$DATA
  TMAN3,T1 = TMAN1,T1 + TMAN1,T2 + TMAN1,T3

```

```

- TMAN2,T1 - TMAN2,T2 - TMAN2,T3
  TMAN3,T2 = TMAN2,T1 + TMAN2,T2 + TMAN2,T3
$END TP FUNCTION
$MATRIX UPDATE
$FILES
  INPUT FILE = UPDIN, USER ID = $MATRIX3.TEM$, UNLOAD
  OUTPUT FILE = UPDOUT, USER ID = $MATRIX4.TEM$
$HEADERS
$INCLUDE TITLE
  DIRECTIONAL SPECIAL TRIPS
$DATA
T1,1-&ZONESA , 1-&ZONESA , *0.50
T2,1-&ZONESA , 1-&ZONESA , *0.50
$END TP FUNCTION
$MATRIX TRANSPOSE
$FILES
  INPUT FILE = TRNSPIN, USER ID = $MATRIX4.TEM$
  OUTPUT FILE = TRNSPOT, USER ID = $MATRIX5.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSPOSED SPECIAL TRIPS
$END TP FUNCTION
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $MATRIX4.TEM$, UNLOAD
  INPUT FILE = TMAN2, USER ID = $MATRIX5.TEM$, UNLOAD
  OUTPUT FILE = TMAN3, USER ID = $SPECIAL.&ALTOUT$
$HEADERS
$INCLUDE TITLE
  SPECIAL TRIPS FOR LOADING
  1 = LOV, 2 = HOV
$DATA
  TMAN3,T1 = TMAN1,T1 + TMAN2,T1
  TMAN3,T2 = TMAN1,T2 + TMAN2,T2
$END TP FUNCTION
$REPORT MATRIX
$FILE
  INPUT FILE = RTABIN, USER ID = $SPECIAL.&ALTOUT$
$OPTION
  PRINT TRIP ENDS
$PARAMETERS
  SELECTED PURPOSE = 1-2
$END TP FUNCTION
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $PTRIPS.&ALTOUT$
  OUTPUT FILE = TMAN3, USER ID = $MODEIN.TEM$
$HEADERS
$INCLUDE TITLE
  MERGED TRIP TABLES
  PURP 1 = HB WORK, PURP 2 = HB NON-WORK, PURP 3 = NON-HOME BASED, PURP 4 = TOT
$DATA
TMAN3,T1 = TMAN1,T1
TMAN3,T2 = TMAN1,T2 + TMAN1,T3 + TMAN1,T4
TMAN3,T3 = TMAN1,T5
TMAN3,T4 = TMAN1,T1+TMAN1,T2+TMAN1,T3+TMAN1,T4+TMAN1,T5
$END TP FUNCTION
$DOS alprep
$DOS cat A1PREP.OUT >>DISTRIB.OUT
$DOS rm -f HTWRKDEF.&ALTOUT
$DOS rm -f DEFMSAM.&ALTOUT
$DOS rm -f MODE9.OUT
$DOS cp FSUTMS.CTL AMDEF
$DOS modenl
$DOS rm AMDEF
$DOS cat MODE9.OUT >>DISTRIB.OUT

```

```

$DOS rm -f HTNRKDEF.&ALTOUT
$DOS rm -f DEFMSMD.&ALTOUT
$DOS rm -f MODE9.OUT
$DOS cp FSUTMS.CTL MDDEF
$DOS modenl
$DOS rm MDDEF
$DOS cat MODE9.OUT >>DISTRIB.OUT
$DOS rm -f MODE9.OUT
$DOS /urbansys/datetime
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $HTWRKDEF.&ALTOUT$
  INPUT FILE = TMAN2, USER ID = $HTNRKDEF.&ALTOUT$
  OUTPUT FILE = TMAN4, USER ID = $MATRIX1.TEM$
$HEADERS
$INCLUDE TITLE
  TOTAL HIGHWAY TRIPS
  1=LOV, 2=HOV
$DATA
TMAN4,T1 = TMAN1,T1 + TMAN2,T1 + TMAN2,T4
TMAN4,T2 = TMAN1,T4 + TMAN1,T5 + TMAN2,T7 + TMAN2,T8
$END TP FUNCTION
$DOS /urbansys/datetime
$MATRIX UPDATE
$FILES
  INPUT FILE = UPDIN, USER ID = $MATRIX1.TEM$, UNLOAD
  OUTPUT FILE = UPDOUT, USER ID = $MATRIX2.TEM$
$HEADERS
$INCLUDE TITLE
  FACTORED TRIP TABLE
  1=LOV, 2=HOV
$DATA
T1,1-&ZONESA ,1-&ZONESA ,*0.5
T2,1-&ZONESA ,1-&ZONESA ,*0.5
$END TP FUNCTION
$DOS /urbansys/datetime
$MATRIX TRANSPOSE
$FILES
  INPUT FILE = TRNSPIN, USER ID = $MATRIX2.TEM$
  OUTPUT FILE = TRNSPOT, USER ID = $MATRIX3.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSPOSED TRIP TABLE
  1=LOV, 2=HOV
$END TP FUNCTION
$DOS /urbansys/datetime
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $MATRIX2.TEM$, UNLOAD
  INPUT FILE = TMAN2, USER ID = $MATRIX3.TEM$, UNLOAD
  INPUT FILE = TMAN3, USER ID = $SPECIAL.&ALTOUT$
  OUTPUT FILE = TMAN4, USER ID = $HTTAB.&ALTOUT$
$HEADERS
$INCLUDE TITLE
  TOTAL TRIP TABLE FOR LOADING
  1=LOV, 2=HOV
$DATA
TMAN4,T1 = TMAN1,T1 + TMAN2,T1 + TMAN3,T1
TMAN4,T2 = TMAN1,T2 + TMAN2,T2 + TMAN3,T2
$END TP FUNCTION
$DOS rm -f HRLDXY.&ALTOUT
$DOS /urbansys/datetime
$EQUILIBRIUM HIGHWAY LOAD
$FILES
  INPUT FILE = HWYNET, USER ID = $HNET.&ALTOUT$
  INPUT FILE = HWYTRIP, USER ID = $HTTAB.&ALTOUT$

```

```

$DOS echo \*\*\*\*\* TNET \*\*\*\*\* -- START
$DOS rm -f TNET.OUT
$DOS /urbansys/datime
$DOS echo -----
$DOS echo ----AM-Inet-Construction &NAME
$DOS echo -----
$DOS /urbansys/datime
$DOS echo          AM Inet Construction
$DOS cp TINETAM.SYN TSYSIN.TEM
$DOS cat LINK3AM.&ALTIN >> TSYSIN.TEM
$DOS cat LINK46AM.&ALTIN >> TSYSIN.TEM
$DOS cat BUSWAYAM.&ALTIN >> TSYSIN.TEM
$DOS cat LINK5AM.&ALTIN >> TSYSIN.TEM
$DOS cat LINK7AM.&ALTIN >> TSYSIN.TEM
$DOS cat LINK8AM.&ALTIN >> TSYSIN.TEM
$DOS cat SDELAYAM.SYN >> TSYSIN.TEM
$DOS cp MODE4AM.&ALTIN TROUTE.TEM
$DOS cat MODE5AM.&ALTIN >> TROUTE.TEM
$DOS cat MODE6AM.&ALTIN >> TROUTE.TEM
$DOS cat MODE7AM.&ALTIN >> TROUTE.TEM
$DOS cat MODE8AM.&ALTIN >> TROUTE.TEM
$DOS cat MODE3AM.&ALTIN >> TROUTE.TEM
$DOS cp HRLDXY.TEM HNET.TEM
$DOS inet
$DOS rm TSYSIN.TEM
$DOS rm TROUTE.TEM
$DOS cp HUDNET.TEM INETAM.SAV
$DOS mv INET.OUT TNET.OUT
$DOS if -e INET.ERR goto TNET1
$DOS goto TNET2
$DOS TNET1:
$DOS rm INET.ERR
$DOS goto err
$DOS TNET2:
$DOS inetrep
$DOS cat INETREP.OUT >> TNET.OUT
$DOS rm INETREP.OUT
$DOS touch PERIOD1
$DOS mv XY.&ALTIN XY.SAV
$DOS cat XY.SAV NEWXY.&ALTIN > XY.TEM
$DOS rm -f SIDEAM.&ALTOUT
$DOS rm -f AUTDELAM.&ALTOUT
$DOS rm -f SIDECON.OUT
$DOS echo -----
$DOS echo ----AM-SIDECON FOR &NAME
$DOS echo -----
$DOS sidecon
$DOS cat SIDECON.OUT >> TNET.OUT
$DOS rm SIDECON.OUT
$DOS rm -f WLKHWYAM.&ALTOUT
$DOS rm -f WLKNEWAM.&ALTOUT
$DOS rm -f CODWAM.&ALTOUT
$DOS cp SIDEAM.&ALTOUT WALKIN.TEM
$DOS cat INETAM.SAV >> WALKIN.TEM
$DOS rm -f WALKCON.OUT
$DOS rm -f WALKCON.ER*
$DOS echo -----
$DOS echo ----AM-WALKCON FOR &NAME
$DOS echo -----
$DOS walkcon
$DOS cat WALKCON.OUT >> TNET.OUT
$DOS rm WALKCON.OUT
$DOS rm WALKIN.TEM
$DOS rm -f AUTOAM.&ALTOUT
$DOS rm -f STATAM.&ALTOUT
$DOS rm -f DUMXYAM.&ALTOUT

```

```

$DOS rm -f AUTOCON.OUT
$DOS echo -----
$DOS echo ----AM-AUTOCON FOR &NAME
$DOS echo -----
$DOS autocon
$DOS cat AUTOCON.OUT >> TNET.OUT
$DOS mv XY.SAV XY.&ALTIN
$DOS mv STATAM.&ALTOUT STATAM.&ALTIN
$DOS rm AUTOCON.OUT
$DOS rm -f AUTDELAM.&ALTOUT
$DOS rm -f PERIOD1
$DOS datime
$DOS echo -----
$DOS echo ---Jitney-AM-Inet-Construction----
$DOS echo -----
$DOS cp TJITAM.SYN TSYSIN.TEM
$DOS cat LINK3AM.&ALTIN >> TSYSIN.TEM
$DOS cat LINK46AM.&ALTIN >> TSYSIN.TEM
$DOS cat SDELAYAM.JIT >> TSYSIN.TEM
$DOS cp JITAM.&ALTIN TROUTE.TEM
$DOS cat MODE3AM.&ALTIN >> TROUTE.TEM
$DOS cp HRLDXY.TEM HNET.TEM
$DOS inet
$DOS cat INET.OUT >> TNET.OUT
$DOS rm -f INET.OUT
$DOS cp HUDNET.TEM HUDNET.SAV
$DOS inetrep
$DOS cat INETREP.OUT >> TNET.OUT
$DOS rm -f INETREP.OUT
$DOS datime
$DOS echo -----
$DOS echo ---Jitney-AM-TNET-Construction----
$DOS echo -----
$DOS cp WLKHWYAM.&ALTOUT HUDNET.TEM
$DOS cat WLKNEWAM.&ALTOUT >> HUDNET.TEM
$DOS cat SIDEAM.&ALTOUT >> HUDNET.TEM
$DOS cat HUDNET.SAV >> HUDNET.TEM
$DOS cp HUDNET.TEM HUDNET.JAM
$DOS rm -f HUDNET.SAV
$BUILD TRANSIT NETWORK
$FILE
    INPUT FILE = NETDATA, USER ID = $HUDNET.TEM$
    OUTPUT FILE = TRNET, USER ID = $TJITAM.&ALTOUT$
$HEADERS
$INCLUDE TITLE
    BUILD AM JITNEY NETWORK
$OPTIONS
    BUILD NETWORK
    NETDATA
    FDOT
    COORDINATES
    IGNORE EXCESS COORDINATES
    IGNORE MISSING COORDINATES
$PARAMETERS
    NUMBER OF ZONES = &ZONESA
    MAXIMUM NODE = &NODES
    NETWORK = AM - Times are always in the AM field from INET
    MAXIMUM STOPS PER LINE = 150
$SEND TP FUNCTION
$DOS datime
$DOS echo -----
$DOS echo ----AM-TNET-Construction----
$DOS echo -----
$DOS mv XY.&ALTIN XY.SAV
$DOS cat XY.SAV NEWXY.&ALTIN DUMXYAM.&ALTOUT >> XY.&ALTIN
$DOS cp WLKHWYAM.&ALTOUT HUDNET.TEM

```



```

INPUT FILE = TOLDATA, USER ID = $TOLLLINK.&ALTI$
OUTPUT FILE = LODHIST, USER ID = $HRLDXY.TEM$
$HEADERS
$INCLUDE TITLE
HIGHWAY ASSIGNMENT
PRE-MODE CHOICE

$OPTION
&TOLLFM
&MULTSQ
$PARAMETERS
&HOV1
&HOV2
EQUILIBRIUM ITERATIONS = &ITER
DAMPING FACTOR = &DAMPING
CONFAC = &CONFAC
UROAD FACTOR = &UROADF
CTOLL = &CTOLL
$END TP FUNCTION
$DOS /urbansys/datime
$HIGHWAY SELECTED SUMMATION
$FILES
INPUT FILE = HWYNET, USER ID = $HRLDXY.TEM$
INPUT FILE = TOLDATA, USER ID = $TOLLLINK.&ALTI$
OUTPUT FILE = HWYSKIM, USER ID = $RHSKIMS.&ALTOUT$
$HEADERS
$INCLUDE TITLE
RESTRAINED SKIMS -- COST,DIST,TIME AND IMPEDANCE - NO HOV
$OPTION
&TOLLFM
$PARAMETERS
DELETE LINKS, ASSIGNMENT GROUP = 8
IMPEDANCE = LAST ITERATION
ZERO VALUE = 32767
CTOLL = &CTOLL
$END TP FUNCTION
$DOS echo -----
$DOS echo --- BEGIN REPORT TRIP LENGTH FREQUENCY ---
$DOS echo -----
$REPORT TRIP LENGTH FREQUENCY
$FILES
INPUT FILE = SKIM, USER ID = $RHSKIMS.&ALTOUT$
INPUT FILE = VOLUME, USER ID = $PTRIPS.&ALTOUT$
$HEADERS
PER WLW REPORT CONGESTED FINAL TLFREQ W/ TIME2 AND NO TTS
1-HBW, 2-HBSH, 3-HBSR, 4-HBO, 5-NHB, 6-TT, 7-IE
$PARAMETERS
MAXIMUM IMPEDANCE = &MAXTIME
IMPEDANCE = TIME2
$END TP FUNCTION
$DOS echo -----
$DOS echo --- END REPORT TRIP LENGTH FREQUENCY ---
$DOS echo -----
$DOS /urbansys/datime
$HIGHWAY SELECTED SUMMATION
$FILES
INPUT FILE = HWYNET, USER ID = $HRLDXY.TEM$
INPUT FILE = TOLDATA, USER ID = $TOLLLINK.&ALTI$
OUTPUT FILE = HWYSKIM, USER ID = $HVSKIMS.&ALTOUT$
$HEADERS
$INCLUDE TITLE
RESTRAINED SKIMS -- COST,DIST,TIME AND IMPEDANCE - WITH HOV
$OPTION
&TOLLFM
$PARAMETERS
IMPEDANCE = LAST ITERATION
ZERO VALUE = 32767

```

```

CTOLL = &CTOLL
$END TP FUNCTION
$DOS /urbansys/datime
$DOS echo -----
$DOS echo -----THE IE/EI/EE TRIP TABLES GENERATED DURING
$DOS echo -----EXT AND GEN HAVE BEEN REPLACED WITH THE SERPM II ---
$DOS echo -----SELECTED LINK TRIP TABLE FOR ALL EXTERNAL SITES ----
$DOS echo -----
$DOS echo -----PTRIPS.&ALTOUT contains uncongested gmodel trips---
$DOS echo -----
$DOS cat f&utms.log TRNPLN*.OUT >> DISTRIB.OUT
$DOS if -e TRNPLN.ERR goto err

```

```

$DOS cat WLKNEWAM.&ALTOUT >> HUDNET.TEM
$DOS cat SIDEAM.&ALTOUT >> HUDNET.TEM
$DOS cat AUTOAM.&ALTOUT >> HUDNET.TEM
$DOS cat INETAM.SAV >> HUDNET.TEM
$DOS rm -f INETAM.SAV
$DOS cp HUDNET.TEM HDNETAM.SAV
$BUILD TRANSIT NETWORK
$FILE
    INPUT FILE = NETDATA, USER ID = $HUDNET.TEM$
    OUTPUT FILE = TRNET, USER ID = $TNETAM.&ALTOUT$
$HEADERS
$INCLUDE TITLE
    BUILD AM TRANSIT NETWORK
$OPTIONS
    BUILD NETWORK
    NETDATA
    FDOT
    COORDINATES
    IGNORE EXCESS COORDINATES
    IGNORE MISSING COORDINATES
    SUPPRESS NETWORK DESCRIPTION
$PARAMETERS
    NUMBER OF ZONES = &ZONESA
    MAXIMUM NODE = &NODES
    NETWORK = AM - Times are always in the AM field from INET
    MAXIMUM STOPS PER LINE = 150
$END TP FUNCTION
$DOS mv XY.SAV XY.&ALTIN
$DOS rm -f XY.TEM TROUTE.TEM TSYSIN.TEM HNET.TEM
$DOS rm -f AUTOAM.&ALTOUT DUMXYAM.&ALTOUT
$DOS rm -f WALKCON.ER1 WALKCON.ER2 WALKCON.ER3
$DOS datetime
$DOS echo -----
$DOS echo ---MIDDAY-----
$DOS echo -----
$DOS datetime
$DOS echo -----
$DOS echo ---Midday &NAME AM-Inet-Construct
$DOS echo -----
$DOS cp TINETMD.SYN TSYSIN.TEM
$DOS cat LINK3MD.&ALTIN >> TSYSIN.TEM
$DOS cat LINK46MD.&ALTIN >> TSYSIN.TEM
$DOS cat BUSWAYMD.&ALTIN >> TSYSIN.TEM
$DOS cat LINK5MD.&ALTIN >> TSYSIN.TEM
$DOS cat LINK7MD.&ALTIN >> TSYSIN.TEM
$DOS cat LINK8MD.&ALTIN >> TSYSIN.TEM
$DOS cat SDELAYMD.SYN >> TSYSIN.TEM
$DOS cp MODE4MD.&ALTIN TROUTE.TEM
$DOS cat MODE5MD.&ALTIN >> TROUTE.TEM
$DOS cat MODE6MD.&ALTIN >> TROUTE.TEM
$DOS cat MODE7MD.&ALTIN >> TROUTE.TEM
$DOS cat MODE8MD.&ALTIN >> TROUTE.TEM
$DOS cat MODE3MD.&ALTIN >> TROUTE.TEM
$DOS cp HRLDX.Y.TEM HNET.TEM
$DOS inet
$DOS rm -f TSYSIN.TEM
$DOS rm -f TROUTE.TEM
$DOS cp HUDNET.TEM INETMD.SAV
$DOS cat INET.OUT >> TNET.OUT
$DOS if -e INET.ERR goto TNET3
$DOS goto TNET4
$DOS TNET3:
$DOS rm -f INET.ERR
$DOS goto err
$DOS TNET4:
$DOS inetrep

```

```

$DOS cat INETREP.OUT >> TNET.OUT
$DOS rm -f INETREP.OUT
$DOS touch PERIOD2
$DOS mv XY.&ALTIN XY.SAV
$DOS cat XY.SAV NEWXY.&ALTIN > XY.TEM
$DOS rm -f SIDEMD.&ALTOUT
$DOS rm -f AUTDELMD.&ALTOUT
$DOS rm -f SIDECON.OUT
$DOS echo -----
$DOS echo ----MD-SIDECON FOR &NAME
$DOS echo -----
$DOS sidecon
$DOS cat SIDECON.OUT >> TNET.OUT
$DOS rm -f SIDECON.OUT
$DOS rm -f WLKHWMYMD.&ALTOUT
$DOS rm -f WLKNEWMD.&ALTOUT
$DOS rm -f CODWMD.&ALTOUT
$DOS cp SIDEMD.&ALTOUT WALKIN.TEM
$DOS cat INETMD.SAV >> WALKIN.TEM
$DOS rm -f WALKCON.OUT
$DOS rm -f WALKCON.ER*
$DOS echo -----
$DOS echo ----MD-WALKCON FOR &NAME
$DOS echo -----
$DOS walkcon
$DOS cat WALKCON.OUT >> TNET.OUT
$DOS rm -f WALKCON.OUT
$DOS rm -f WALKIN.TEM
$DOS rm -f AUTOMD.&ALTOUT
$DOS rm -f STATMD.&ALTOUT
$DOS rm -f DUMXYMD.&ALTOUT
$DOS rm -f AUTOCON.OUT
$DOS echo -----
$DOS echo ---MD-AUTOCON FOR &NAME
$DOS echo -----
$DOS autocon
$DOS cat AUTOCON.OUT >> TNET.OUT
$DOS mv XY.SAV XY.&ALTIN
$DOS mv STATMD.&ALTOUT STATMD.&ALTIN
$DOS rm -f AUTOCON.OUT
$DOS rm -f AUTDELMD.&ALTOUT
$DOS rm PERIOD2
$DOS datetime
$DOS echo -----
$DOS echo ---Jitney-MD-Inet-Construction-----
$DOS echo -----
$DOS cp TJITMD.SYN TSYSIN.TEM
$DOS cat LINK3MD.&ALTIN >> TSYSIN.TEM
$DOS cat LINK46MD.&ALTIN >> TSYSIN.TEM
$DOS cat SDELAYMD.JIT >> TSYSIN.TEM
$DOS cp JITMD.&ALTIN TROUTE.TEM
$DOS cat MODE3MD.&ALTIN >> TROUTE.TEM
$DOS cp HRLDX.Y.TEM HNET.TEM
$DOS inet
$DOS cat INET.OUT >> TNET.OUT
$DOS rm -f INET.OUT
$DOS cp HUDNET.TEM HUDNET.SAV
$DOS inetrep
$DOS cat INETREP.OUT >> TNET.OUT
$DOS rm -f INETREP.OUT
$DOS datetime
$DOS echo -----
$DOS echo ---Jitney-MD &NAME TNET Construct
$DOS echo -----
$DOS cp WLKHWMYMD.&ALTOUT HUDNET.TEM
$DOS cat WLKNEWMD.&ALTOUT >> HUDNET.TEM

```

```

$DOS cat SIDEMD.&ALTOUT >> HUDNET.TEM
$DOS cat HUDNET.SAV >> HUDNET.TEM
$DOS cp HUDNET.TEM HUDNET.JMD
$DOS rm -f HUDNET.SAV
$BUILD TRANSIT NETWORK
$FILE
    INPUT FILE = NETDATA, USER ID = $HUDNET.TEM$
    OUTPUT FILE = TRNET, USER ID = $TJITMD.&ALTOUT$
$HEADERS
$INCLUDE TITLE
    BUILD MD JITNEY NETWORK
$OPTIONS
    BUILD NETWORK
    NETDATA
    FDOT
    COORDINATES
    IGNORE EXCESS COORDINATES
    IGNORE MISSING COORDINATES
$PARAMETERS
    NUMBER OF ZONES = &ZONESA
    MAXIMUM NODE = &NODES
    NETWORK = AM - Times are always in the AM field from INET
    MAXIMUM STOPS PER LINE = 150
$END TP FUNCTION
$DOS date
$DOS echo -----
$DOS echo ---Midday &NAME TNET Construction
$DOS echo -----
$DOS mv XY.&ALTIN XY.SAV
$DOS cat XY.SAV NEWXY.&ALTIN DUMXYMD.&ALTOUT >> XY.&ALTIN
$DOS cp WLKHWMYMD.&ALTOUT HUDNET.TEM
$DOS cat WLKNEWMD.&ALTOUT >> HUDNET.TEM
$DOS cat SIDEMD.&ALTOUT >> HUDNET.TEM
$DOS cat AUTOMD.&ALTOUT >> HUDNET.TEM
$DOS cat INETMD.SAV >> HUDNET.TEM
$DOS rm -f INETMD.SAV
$DOS cp HUDNET.TEM HDNETMD.SAV
$BUILD TRANSIT NETWORK
$FILE
    INPUT FILE = NETDATA, USER ID = $HUDNET.TEM$
    OUTPUT FILE = TRNET, USER ID = $TNETMD.&ALTOUT$
$HEADERS
$INCLUDE TITLE
    BUILD MD TRANSIT NETWORK
$OPTIONS
    BUILD NETWORK
    NETDATA
    FDOT
    COORDINATES
    IGNORE EXCESS COORDINATES
    IGNORE MISSING COORDINATES
    SUPPRESS NETWORK DESCRIPTION
$PARAMETERS
    NUMBER OF ZONES = &ZONESA
    MAXIMUM NODE = &NODES
    NETWORK = AM - Times are always in the AM field from INET
    MAXIMUM STOPS PER LINE = 150
$END TP FUNCTION
$DOS mv XY.SAV XY.&ALTIN
$DOS rm -f XY.TEM TROUTE.TEM TSYSIN.TEM HNET.TEM
$DOS rm -f AUTOMD.&ALTOUT DUMXYMD.&ALTOUT
$DOS rm -f WALKCON.ER1 WALKCON.ER2 WALKCON.ER3
$DOS date
$DOS echo -----
$DOS echo --- &NAME TNET END -----
$DOS echo -----

```

```

$DOS if -e TRNPLN.ERR goto err

```

```

$DOS echo \*\*\*\*\* TPATH \*\*\*\*\* -- START
$DOS rm -f TPATH.OUT
$DOS /urbansys/datime
$DOS rm -f STATAM.&ALTOU
$DOS rm -f STATMD.&ALTOU
$DOS echo PATH 1 - AM - LOCAL SERVICE - ALT &ALTI
$BUILD TRANSIT PATHS
$FILE
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOU$
  OUTPUT FILE = TRPATH, USER ID = $TPATHAM1.&ALTOU$
$HEADERS
$INCLUDE TITLE
  BUILD TRANSIT PATHS -- MULTI-PATH MODE CHOICE
  LOCAL BUS PATHS -- AM
$OPTIONS
  BUILD PATHS
$PARAMETERS
  NETWORK = AM
  MAXIMUM TRANSFER = 4
  MAXIMUM TIME = 255
  CWTIME = (4,2.25) (8,2.25)
  CXTIME = (4,2.25) (8,2.25)
  MINIMUM WAIT PENALTIES = (4,2.0)
  MAXIMUM WAIT PENALTIES = (4,30.0)
  (8,30.0)
  RUN TIME FACTORS = (1,2.25) (3,2.25) (4,1.0) (8,1.0)
  TRANSFER PENALTIES = (4,1.0) (8,1.0)
  DELETE MODES = 2,5,6,7
$END TP FUNCTION
$DOS echo SKIM 1 - AM - LOCAL SERVICE
$TRANSIT SELECTED SUMMATION
$FILES
  INPUT FILE = TRPATH, USER ID = $TPATHAM1.&ALTOU$
  OUTPUT FILE = TRSKIM, USER ID = $TSKIMAM1.&ALTOU$
$HEADERS
$INCLUDE TITLE
  LOCAL BUS PATHS -- AM
$DATA
  TABLE 1 = MODE1TIME + MODE3TIME
  TABLE 2 = MODE2TIME
  TABLE 3 = MODE4TIME + MODE8TIME
  TABLE 4 = MODE5TIME + MODE6TIME + MODE7TIME
  TABLE 5 = TRANSFERS
  TABLE 6 = FIRST WAIT
  TABLE 7 = SECOND WAIT
$END TP FUNCTION
$REPORT MATRIX
$FILES
  INPUT FILE = RTABIN, USER ID = $TSKIMAM1.&ALTOU$
$HEADERS
  ALL TRAVEL TIMES FOR M= MODE EQUALS
  T1=M1+M3, T2=M2, T3=M4+M8, T4=M5+M6+M7, T5=XTIME, T6=1ST WAIT, T7=2ND WAIT
$OPTIONS
  PRINT TABLE
$PARAMETERS
  SELECTED ZONES = &TRANZONE
  SELECTED IMPEDANCES = TABLE1, TABLE2, TABLE3, TABLE4, TABLE5,
  TABLE6, TABLE7
$END TP FUNCTION
$DOS echo FARE 1 - AM - LOCAL SERVICE
$BUILD FARE MATRIX
$FILES
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOU$
  INPUT FILE = TRPATH, USER ID = $TPATHAM1.&ALTOU$
  OUTPUT FILE = TRFARE, USER ID = $TFAREAM1.&ALTOU$
$HEADERS

```

```

$INCLUDE TITLE
  BUILD TRANSIT FARES -- MULTI-PATH MODE CHOICE
  LOCAL BUS PATHS -- AM
$PARAMETERS
  NUMBER OF COMPANIES = &NUMFARE
  NO SERVICE FARE = 0
$DATA
$INCLUDE TFARES.&ALTI
$END TP FUNCTION
$DOS echo PATH 2 - AM - PREMIUM WITH WALK ACCESS - ALT &ALTI
$BUILD TRANSIT PATHS
$FILE
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOU$
  OUTPUT FILE = TRPATH, USER ID = $TPATHAM2.&ALTOU$
$HEADERS
$INCLUDE TITLE
  BUILD TRANSIT PATHS -- MULTI-PATH MODE CHOICE
  LINE HAUL -- LOCAL BUS OR WALK ACCESS PATHS -- AM
$OPTIONS
  BUILD PATHS
$PARAMETERS
  NETWORK = AM
  MAXIMUM TRANSFER = 4
  MAXIMUM TIME = 255
  CWTIME = (4,2.25) (5,2.25) (6,2.25) (7,2.25) (8,2.25)
  CXTIME = (4,2.25) (5,2.25) (6,2.25) (7,2.25) (8,2.25)
  MINIMUM WAIT PENALTIES = (4,2.0) (6,2.0)
  MAXIMUM WAIT PENALTIES = (4,30.0) (5,30.0)
  (6,30.0) (7,30.0)
  (8,30.0)
  TRANSFER PENALTIES (4,1.0) (5,1.0) (6,1.0) (7,1.0) (8,1.0)
  RUN TIME FACTORS = (4,1.0) (5,0.1) (6,0.1) (7,0.1) (8,1.0)
  (1,2.25) (3,2.25)
  DELETE MODE = 2
$END TP FUNCTION
$DOS echo SKIM 2 - AM - PREMIUM WITH WALK ACCESS
$TRANSIT SELECTED SUMMATION
$FILES
  INPUT FILE = TRPATH, USER ID = $TPATHAM2.&ALTOU$
  OUTPUT FILE = TRSKIM, USER ID = $TSKIMAM2.&ALTOU$
$HEADERS
$INCLUDE TITLE
  LINE HAUL -- LOCAL BUS OR WALK ACCESS PATHS -- AM
$DATA
  TABLE 1 = MODE1TIME + MODE3TIME
  TABLE 2 = MODE2TIME
  TABLE 3 = MODE4TIME + MODE8TIME
  TABLE 4 = MODE5TIME + MODE6TIME + MODE7TIME
  TABLE 5 = TRANSFERS
  TABLE 6 = FIRST WAIT
  TABLE 7 = SECOND WAIT
$END TP FUNCTION
$REPORT MATRIX
$FILES
  INPUT FILE = RTABIN, USER ID = $TSKIMAM2.&ALTOU$
$HEADERS
  ALL TRAVEL TIMES FOR M= MODE EQUALS
  T1=M1+M3, T2=M2, T3=M4+M8, T4=M5+M6+M7, T5=XTIME, T6=1ST WAIT, T7=2ND WAIT
$OPTIONS
  PRINT TABLE
$PARAMETERS
  SELECTED ZONES = &TRANZONE
  SELECTED IMPEDANCES = TABLE1, TABLE2, TABLE3, TABLE4, TABLE5,
  TABLE6, TABLE7
$END TP FUNCTION
$DOS echo FARE 2 - AM - PREMIUM WITH WALK ACCESS

```



```

TABLE 6 = FIRST WAIT
TABLE 7 = SECOND WAIT
$END TP FUNCTION
$REPORT MATRIX
$FILES
  INPUT FILE = RTABIN, USER ID = $TSKIMMD1.&ALTOU$
$HEADERS
  ALL TRAVEL TIMES FOR M= MODE EQUALS
  T1=M1+M3, T2=M2, T3=M4+M8, T4=M5+M6+M7, T5=XTIME, T6=1ST WAIT, T7=2ND WAIT
$OPTIONS
  PRINT TABLE
$PARAMETERS
  SELECTED ZONES = &TRANZONE
  SELECTED IMPEDANCES = TABLE1, TABLE2, TABLE3, TABLE4, TABLE5,
  TABLE6, TABLE7
$END TP FUNCTION
$DOS echo FARE 1 - MD - LOCAL SERVICE
$BUILD FARE MATRIX
$FILES
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOU$
  INPUT FILE = TRPATH, USER ID = $TPATHMD1.&ALTOU$
  OUTPUT FILE = TRFARE, USER ID = $TFAREMD1.&ALTOU$
$HEADERS
$INCLUDE TITLE
  BUILD TRANSIT FARES -- MULTI-PATH MODE CHOICE
  LOCAL BUS PATHS -- MD
$PARAMETERS
  NUMBER OF COMPANIES = &NUMFARE
  NO SERVICE FARE = 0
$DATA
$INCLUDE TFARES.&ALTI
$END TP FUNCTION
$DOS echo PATH 2 - MD - PREMIUM WITH WALK ACCESS - ALT &ALTI
$BUILD TRANSIT PATHS
$FILE
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOU$
  OUTPUT FILE = TRPATH, USER ID = $TPATHMD2.&ALTOU$
$HEADERS
$INCLUDE TITLE
  BUILD TRANSIT PATHS -- MULTI-PATH MODE CHOICE
  LINE HAUL -- LOCAL BUS OR WALK ACCESS PATHS -- MD
$OPTIONS
  BUILD PATHS
$PARAMETERS
  NETWORK = AM
  MAXIMUM TRANSFER = 4
  MAXIMUM TIME = 255
  CWTIME = (4,2.25) (5,2.25) (6,2.25) (7,2.25) (8,2.25)
  CXTIME = (4,2.25) (5,2.25) (6,2.25) (7,2.25) (8,2.25)
  MINIMUM WAIT PENALTIES = (4,2.0) (6,2.0)
  MAXIMUM WAIT PENALTIES = (4,30.0) (5,30.0)
  (6,30.0) (7,30.0)
  (8,30.0)
  TRANSFER PENALTIES (4,1.0) (5,1.0) (6,1.0) (7,1.0) (8,1.0)
  RUN TIME FACTORS = (4,1.0) (5,0.1) (6,0.1) (7,0.1) (8,1.0)
  (1,2.25) (3,2.25)
  DELETE MODE = 2
$END TP FUNCTION
$DOS echo SKIM 2 - MD - PREMIUM WITH WALK ACCESS
$TRANSIT SELECTED SUMMATION
$FILES
  INPUT FILE = TRPATH, USER ID = $TPATHMD2.&ALTOU$
  OUTPUT FILE = TRSKIM, USER ID = $TSKIMMD2.&ALTOU$
$HEADERS
$INCLUDE TITLE
  LINE HAUL -- LOCAL BUS OR WALK ACCESS PATHS -- MD

```

```

$DATA
  TABLE 1 = MODE1TIME + MODE3TIME
  TABLE 2 = MODE2TIME
  TABLE 3 = MODE4TIME + MODE8TIME
  TABLE 4 = MODE5TIME + MODE6TIME + MODE7TIME
  TABLE 5 = TRANSFERS
  TABLE 6 = FIRST WAIT
  TABLE 7 = SECOND WAIT
$END TP FUNCTION
$REPORT MATRIX
$FILES
  INPUT FILE = RTABIN, USER ID = $TSKIMMD2.&ALTOU$
$HEADERS
  ALL TRAVEL TIMES FOR M= MODE EQUALS
  T1=M1+M3, T2=M2, T3=M4+M8, T4=M5+M6+M7, T5=XTIME, T6=1ST WAIT, T7=2ND WAIT
$OPTIONS
  PRINT TABLE
$PARAMETERS
  SELECTED ZONES = &TRANZONE
  SELECTED IMPEDANCES = TABLE1, TABLE2, TABLE3, TABLE4, TABLE5,
  TABLE6, TABLE7
$END TP FUNCTION
$DOS echo FARE 2 - MD - PREMIUM WITH WALK ACCESS
$BUILD FARE MATRIX
$FILES
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOU$
  INPUT FILE = TRPATH, USER ID = $TPATHMD2.&ALTOU$
  OUTPUT FILE = TRFARE, USER ID = $TFAREMD2.&ALTOU$
$HEADERS
$INCLUDE TITLE
  BUILD TRANSIT FARES -- MULTI-PATH MODE CHOICE
  LINE HAUL -- LOCAL BUS OR WALK ACCESS PATHS -- MD
$PARAMETERS
  NUMBER OF COMPANIES = &NUMFARE
  NO SERVICE FARE = 0
$DATA
$INCLUDE TFARES.&ALTI
$END TP FUNCTION
$DOS echo PATH 3 - MD - PREMIUM WITH AUTO ACCESS - ALT &ALTI
$BUILD TRANSIT PATHS
$FILE
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOU$
  OUTPUT FILE = TRPATH, USER ID = $TPATHMD3.&ALTOU$
$HEADERS
$INCLUDE TITLE
  BUILD TRANSIT PATHS -- MULTI-PATH MODE CHOICE
  AUTO ACCESS PATHS -- MD -- LINE HAUL FAVORED
$OPTIONS
  BUILD PATHS
$PARAMETERS
  NETWORK = AM
  MAXIMUM TRANSFER = 4
  MAXIMUM TIME = 255
  CWTIME = (4,2.25) (5,2.25) (6,2.25) (7,2.25) (8,2.25)
  CXTIME = (4,2.25) (5,2.25) (6,2.25) (7,2.25) (8,2.25)
  MINIMUM WAIT PENALTIES = (4,2.0) (6,2.0)
  MAXIMUM WAIT PENALTIES = (4,30.0) (5,30.0)
  (6,30.0) (7,30.0)
  (8,30.0)
  TRANSFER PENALTIES (4,1.0) (5,1.0) (6,1.0) (7,1.0) (8,1.0)
  RUN TIME FACTORS = (4,1.0) (5,1.0) (6,1.0) (7,1.0) (8,1.0)
  (1,2.25) (2,1.0) (3,2.25)
  DELETE ACCESS MODES = 1
$END TP FUNCTION
$DOS echo SKIM 3 - MD - PREMIUM WITH AUTO ACCESS
$TRANSIT SELECTED SUMMATION

```



```
ACCESS EGRESS FILE
NO TRANSIT VOLUME FILE
$PARAMETERS
ARRIVAL MODES = 1,3,4
RIDE MODES = 4,5,6,7
DEPARTURE MODES = 1,3,4,8
+INCLUDE STATMD.&ALTIN
$END TP FUNCTION
$LOAD TRANSIT STATION TO STATION
$FILES
INPUT FILE = TRPATH, USER ID = $TPATHMD3.&ALTOUT$
OUTPUT FILE = ACEGRES, USER ID = $STATMD3.TEM$
$HEADERS
$INCLUDE TITLE
TRANSIT PEAK ACCESS STOPS - LINE HAUL WITH AUTO ACCESS
$OPTIONS
ACCESS EGRESS FILE
NO TRANSIT VOLUME FILE
$PARAMETERS
ARRIVAL MODES = 2
RIDE MODES = 4,5,6,7
DEPARTURE MODES = 1,3,4,8
+INCLUDE STATMD.&ALTIN
$END TP FUNCTION
$MATRIX MANIPULATE
$FILES
INPUT FILE = TMAN1, USER ID = $STATMD2.TEM$, UNLOAD
INPUT FILE = TMAN2, USER ID = $STATMD3.TEM$, UNLOAD
OUTPUT FILE = TMAN3, USER ID = $STATMD.&ALTOUT$
$HEADERS
$INCLUDE TITLE
TRANSIT STATIONS - MD
PURP1 = WALK ACCESS, PURP2 = AUTO ACCESS
$DATA
TMAN3,T1 = TMAN1,T1
TMAN3,T2 = TMAN2,T1
$END TP FUNCTION
$DOS /urbansys/datetime
$DOS echo \*\*\*\*\* TPATH \*\*\*\*\* -- END
$DOS /urbansys/datetime
$DOS if -e TRNPLN.ERR goto err
```

```
$DOS echo \*\*\*\* MODE \*\*\*\* -- START
$DOS rm -f MODE.OUT
$DOS /urbansys/datime
$DOS echo \*\*\*\* WORK MODAL CHOICE - ALT &ALTIN \*\*\*\*
$DOS rm -f HTWRK.&ALTOUT TTWRK.&ALTOUT DEFMSAM.&ALTOUT
$DOS cp FSUTMS.CTL AM
$DOS modenl
$DOS rm AM
$DOS mv MODE9.OUT MODE.OUT
$DOS /urbansys/datime
$DOS echo \*\*\*\* NON-WORK MODAL CHOICE - ALT &ALTIN \*\*\*\*
$DOS rm -f HTNWK.&ALTOUT TTNWK.&ALTOUT DEFMSMD.&ALTOUT
$DOS cp FSUTMS.CTL MD
$DOS modenl
$DOS rm MD
$DOS cat MODE9.OUT >> MODE.OUT
$DOS rm -f MODE9.OUT
$DOS /urbansys/datime
$DOS echo \*\*\*\* MODE \*\*\*\* -- END
$DOS if -e TRNPLN.ERR goto err
```

```

$DOS echo \*\*\*\*\* TASSIGN - ALT &ALTIN \*\*\*\*\* -- START
$DOS echo AM TRANSIT ASSIGNMENT
$DOS rm -f TLEGSAM.&ALTOUT
$DOS rm -f TLEGSMD.&ALTOUT
$DOS rm -f TASSIGN.OUT
$DOS /urbansys/datime
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $TTWRK.&ALTOUT$
  OUTPUT FILE = TMAN9, USER ID = $COMB1.TEM$
$HEADERS
$INCLUDE TITLE
  COMBINE WORK TRANSIT TRIPS FOR ASSIGNMENT
  P1=LBHW, P2=PRHW, P3=AAHW
$DATA
TMAN9,T1 = TMAN1,T1
TMAN9,T2 = TMAN1,T2
TMAN9,T3 = TMAN1,T3 + TMAN1,T4
$END TP FUNCTION
$DOS /urbansys/datime
$MATRIX UPDATE
$FILES
  INPUT FILE = UPDIN, USER ID = $COMB1.TEM$, UNLOAD
  OUTPUT FILE = UPDOUT, USER ID = $COMB2.TEM$
$HEADERS
$INCLUDE TITLE
  P1=LBHW, P2=PRHW, P3=AAHW
$DATA
  P1,1-&ZONESA , 1-&ZONESA ,*1.0
  P2,1-&ZONESA , 1-&ZONESA ,*1.0
  P3,1-&ZONESA , 1-&ZONESA ,*1.0
$END TP FUNCTION
$DOS /urbansys/datime
$LOAD TRANSIT NETWORK
$FILES
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOUT$
  INPUT FILE = TRPATH, USER ID = $TPATHAM1.&ALTOUT$
  INPUT FILE = TRVOL, USER ID = $COMB2.TEM$
  OUTPUT FILE = TRLDATA, USER ID = $TLEGSAM1.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSIT LOADING -- LOCAL BUS PATHS WITH WALK ACCESS -- H-B WORK
$OPTIONS
  LOAD TRANSIT LINES
  LOAD NON TRANSIT LINKS
$PARAMETERS
  SELECTED PURPOSE = 1
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datime
$DOS echo LINE HAUL WITH LOCAL BUS AND WALK ACCESS
$LOAD TRANSIT NETWORK
$FILES
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOUT$
  INPUT FILE = TRPATH, USER ID = $TPATHAM2.&ALTOUT$
  INPUT FILE = TRVOL, USER ID = $COMB2.TEM$
  OUTPUT FILE = TRLDATA, USER ID = $TLEGSAM2.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSIT LOADING -- LINE HAUL WITH LOCAL BUS AND WALK ACCESS -- H-B WORK
$OPTIONS
  LOAD TRANSIT LINES
  LOAD NON TRANSIT LINKS
$PARAMETERS
  SELECTED PURPOSE = 2
  NETWORK = AM

```

```

$SEND TP FUNCTION
$DOS /urbansys/datime
$DOS echo LINE HAUL WITH AUTO ACCESS
$LOAD TRANSIT NETWORK
$FILES
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOUT$
  INPUT FILE = TRPATH, USER ID = $TPATHAM3.&ALTOUT$
  INPUT FILE = TRVOL, USER ID = $COMB2.TEM$, UNLOAD
  OUTPUT FILE = TRLDATA, USER ID = $TLEGSAM3.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSIT LOADING -- LINE HAUL WITH AUTO ACCESS -- H-B WORK
$OPTIONS
  LOAD TRANSIT LINES
  LOAD NON TRANSIT LINKS
$PARAMETERS
  SELECTED PURPOSE = 3
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datime
$DOS echo COMBINE AM TRANSIT LOADS AND REPORT - ALT &ALTIN
$DOS tadlod
$REPORT TRANSIT LOAD
$FILES
  INPUT FILE = TRNET, USER ID = $TNETAM.&ALTOUT$
  INPUT FILE = TRLDATA, USER ID = $TLEGSAM.&ALTOUT$
  OUTPUT FILE = TLODATA, USER ID = 'TLEGSAM.ASC'
$HEADERS
$INCLUDE TITLE
  TRANSIT LINE LOADS AND LINE SUMMARIES -- AM
$OPTIONS
  PRINT ALL NODE TO NODE LOADS
  PRINT ALL LINE LOADS
  PRINT LINK LOADS
  LOADED TRANSIT LINKS FILE
$PARAMETERS
  AM LENGTH = 5
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datime
$DOS echo MD TRANSIT ASSIGNMENT
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $TTNWK.&ALTOUT$
  OUTPUT FILE = TMAN2, USER ID = $COMB1.TEM$
$HEADERS
$INCLUDE TITLE
  COMBINE TRANSIT TRIPS FOR MD ASSIGNMENT
  P1=LBNW, P2=PRNW, P3=AANW
$DATA
TMAN2,T1 = TMAN1,T1 + TMAN1,T5
TMAN2,T2 = TMAN1,T2 + TMAN1,T6
TMAN2,T3 = TMAN1,T3 + TMAN1,T4 + TMAN1,T7 + TMAN1,T8
$END TP FUNCTION
$DOS /urbansys/datime
$MATRIX TRANSPOSE
$FILES
  INPUT FILE = TRNSPIN, USER ID = $COMB1.TEM$,UNLOAD
  OUTPUT FILE = ODVOL, USER ID = $COMB2.TEM$
$HEADERS
$INCLUDE TITLE
  APPLY FACTORS AND TRANSPOSE TABLES FOR LOADING
  P1 = LB-NW, P2 = LHW-NW, P3 = LHA-NW
$OPTIONS
  NO TRANSPOSED FILE
$PARAMETERS

```

```

PA FACTOR = 0.5, 0.5, 0.5
AP FACTOR = 0.5, 0.5, 0.5
$END TP FUNCTION
$DOS /urbansys/datetime
$LOAD TRANSIT NETWORK
$FILES
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOUT$
  INPUT FILE = TRPATH, USER ID = $TPATHMD1.&ALTOUT$
  INPUT FILE = TRVOL, USER ID = $COMB2.TEM$
  OUTPUT FILE = TRLDATA, USER ID = $TLEGSMD1.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSIT LOADING -- LOCAL BUS PATHS WITH WALK ACCESS -- NON-WORK
$OPTIONS
  LOAD TRANSIT LINES
  LOAD NON TRANSIT LINKS
$PARAMETERS
  SELECTED PURPOSE = 1
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datetime
$DOS echo LINE HAUL WITH LOCAL BUS AND WALK ACCESS
$LOAD TRANSIT NETWORK
$FILES
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOUT$
  INPUT FILE = TRPATH, USER ID = $TPATHMD2.&ALTOUT$
  INPUT FILE = TRVOL, USER ID = $COMB2.TEM$
  OUTPUT FILE = TRLDATA, USER ID = $TLEGSMD2.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSIT LOADING -- LINE HAUL WITH LOCAL BUS AND WALK ACCESS --NON-WORK
$OPTIONS
  LOAD TRANSIT LINES
  LOAD NON TRANSIT LINKS
$PARAMETERS
  SELECTED PURPOSE = 2
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datetime
$DOS echo LINE HAUL WITH AUTO ACCESS
$LOAD TRANSIT NETWORK
$FILES
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOUT$
  INPUT FILE = TRPATH, USER ID = $TPATHMD3.&ALTOUT$
  INPUT FILE = TRVOL, USER ID = $COMB2.TEM$, UNLOAD
  OUTPUT FILE = TRLDATA, USER ID = $TLEGSMD3.TEM$
$HEADERS
$INCLUDE TITLE
  TRANSIT LOADING -- LINE HAUL WITH AUTO ACCESS -- NON-WORK
$OPTIONS
  LOAD TRANSIT LINES
  LOAD NON TRANSIT LINKS
$PARAMETERS
  SELECTED PURPOSE = 3
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datetime
$DOS echo COMBINE MD TRANSIT LOADS AND REPORT - ALT &ALTIN
$DOS tadlodmd
$REPORT TRANSIT LOAD
$FILES
  INPUT FILE = TRNET, USER ID = $TNETMD.&ALTOUT$
  INPUT FILE = TRLDATA, USER ID = $TLEGSMD.&ALTOUT$
  OUTPUT FILE = TLODATA, USER ID = 'TLEGSMD.ASC'
$HEADERS
$INCLUDE TITLE

```

```

TRANSIT LINE LOADS AND LINE SUMMARIES -- NON-WORK
$OPTIONS
  PRINT ALL NODE TO NODE LOADS
  PRINT ALL LINE LOADS
  PRINT LINK LOADS
  LOADED TRANSIT LINKS FILE
$PARAMETERS
  AM LENGTH = 11
  NETWORK = AM
$END TP FUNCTION
$DOS /urbansys/datetime
$DOS echo \*\*\*\* TASSIGN - ALT &ALTIN \*\*\*\* -- END

```

```

$DOS echo \*\*\*\*\* HASSIGN \*\*\*\*\* -- START
$DOS rm -f HASSIGN.OUT
$DOS /urbansys/datime
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $HTWRK.&ALTOUT$
  INPUT FILE = TMAN2, USER ID = $HTNWK.&ALTOUT$
  OUTPUT FILE = TMAN3, USER ID = $MATRIX1.TEM$
$HEADERS
$INCLUDE TITLE
  TOTAL HIGHWAY TRIPS
  1=LOV, 2=HOV
$DATA
TMAN3,T1 = TMAN1,T1 + TMAN2,T1 + TMAN2,T4
TMAN3,T2 = TMAN1,T4 + TMAN1,T5 + TMAN2,T7 + TMAN2,T8
$END TP FUNCTION
$DOS /urbansys/datime
$MATRIX TRANSPOSE
$FILES
  INPUT FILE = TRNSPIN, USER ID = $MATRIX1.TEM$, UNLOAD
  OUTPUT FILE = ODVOL, USER ID = $MATRIX2.TEM$
$HEADERS
$INCLUDE TITLE
  APPLY FACTORS AND TRANSPOSE TABLES FOR LOADING
  1=LOV, 2=HOV
$OPTIONS
  NO TRANSPOSED FILE
$PARAMETERS
  PA FACTOR = 0.5, 0.5
  AP FACTOR = 0.5, 0.5
$END TP FUNCTION
$DOS /urbansys/datime
$MATRIX MANIPULATE
$FILES
  INPUT FILE = TMAN1, USER ID = $MATRIX2.TEM$, UNLOAD
  INPUT FILE = TMAN2, USER ID = $SPECIAL.&ALTOUT$
  OUTPUT FILE = TMAN3, USER ID = $HTTAB.TEM$
$HEADERS
$INCLUDE TITLE
  TOTAL TRIP TABLE FOR LOADING
  1=LOV, 2=HOV
$DATA
TMAN3,T1 = TMAN1,T1 + TMAN2,T1
TMAN3,T2 = TMAN1,T2 + TMAN2,T2
$END TP FUNCTION
$DOS /urbansys/datime
$EQUILIBRIUM HIGHWAY LOAD
$FILES
  INPUT FILE = HWYNET, USER ID = $HNET.&ALTOUT$
  INPUT FILE = HWYTRIP, USER ID = $HTTAB.TEM$, UNLOAD
  INPUT FILE = TOLDDATA, USER ID = $TOLLINK.&ALTIN$
  OUTPUT FILE = LODHIST, USER ID = $HRLDXY.&ALTOUT$
$HEADERS
$INCLUDE TITLE
  HIGHWAY ASSIGNMENT
$OPTIONS
&TOLLFM
&MULTSQ
$PARAMETERS
  EQUILIBRIUM ITERATIONS = &ITER
  DAMPING FACTOR = &DAMPING
  CONFAC = &CONFAC
  UROAD FACTOR = &UROADF
  CTOLL = &CTOLL
&HOV1
&HOV2

```

```

TOLLS = &TOLLS1
      &TOLLS2
      &TOLLS3
      &TOLLS4
      &TOLLS5
      &TOLLS6
      &TOLLS7
      &TOLLS8
      &TOLLS9
      &TOLLS10
      &TOLLS11
      &TOLLS12
      &TOLLS13
      &TOLLS14
      &TOLLS15
      &TOLLS16
      &TOLLS17
      &TOLLS18
      &TOLLS19
      &TOLLS20
SERVT = &SERVT1
      &SERVT2
      &SERVT3
      &SERVT4
      &SERVT5
      &SERVT6
      &SERVT7
      &SERVT8
      &SERVT9
      &SERVT10
      &SERVT11
      &SERVT12
      &SERVT13
      &SERVT14
      &SERVT15
      &SERVT16
      &SERVT17
      &SERVT18
      &SERVT19
      &SERVT20
$END TP FUNCTION
$DOS /urbansys/datime
$REPORT HIGHWAY LOAD
$FILES
  INPUT FILE = LODHIST, USER ID = $HRLDXY.&ALTOUT$
$OPTION
VC REPORT
$PARAMETER
  CONFAC = &CAPFAC
&HOV3
$END TP FUNCTION
$DOS /urbansys/datime
$DOS echo \*\*\*\*\* HASSIGN \*\*\*\*\* -- END
$DOS if -e TRNPLN.ERR goto err

```

```
$DOS echo \*\*\*\*\* TEVALMP \*\*\*\*\* -- START
$DOS xm -f TEVAL.OUT
$DOS /urbansys/datetime
$DOS tevalmp
$DOS /urbansys/datetime
$DOS echo \*\*\*\*\* TEVALMP \*\*\*\*\* -- END
```

```
$DOS echo -----  
$DOS echo ----- &NAME MODEL -----  
$DOS echo -----  
$DOS echo \  
$DOS echo \*\*\*\*\* HEVAL \*\*\*\*\* -- START  
$DOS rm -f HEVAL.OUT  
$DOS /urbansys/datetime  
$DOS heval  
$DOS echo \*\*\*\*\* HEVAL \*\*\*\*\* -- END  
$DOS /urbansys/datetime  
$DOS if -e TRNPLN.ERR goto err
```

```
$$SYS echo \*\*\*\*\* EMIS \*\*\*\*\* -- START
$$SYS rm -f EMIS.OUT
$$SYS /urbansys/datime
$$SYS if -e MOBILEIM.&ALTIN goto EMISX
$$SYS mobile
$$SYS mv MOBILE.OUT EMIS.OUT
$$SYS if -e MOBILE.TEM goto EMISY
$$SYS goto EMISZ
$$SYS EMISY:
$$SYS emis
$$SYS cat EMIS2.OUT >>EMIS.OUT
$$SYS rm EMIS2.OUT
$$SYS goto EMISZ
$$SYS EMISX:
$$SYS cp -p MOBILE.&ALTIN MOBILE.SAV
$$SYS mobile
$$SYS mv MOBILE.OUT EMIS.OUT
$$SYS mv MOBILE.SAV MOBILE.&ALTIN
$$SYS if -e MOBILE.TEM goto EMISA
$$SYS goto EMISZ
$$SYS EMISA:
$$SYS mv MOBILE.TEM MOBILE1.TEM
$$SYS mv MOBILE.&ALTIN MOBILE.SAV
$$SYS cp -p MOBILEIM.&ALTIN MOBILE.&ALTIN
$$SYS mobile
$$SYS cat MOBILE.OUT >>EMIS.OUT
$$SYS rm MOBILE.OUT
$$SYS mv MOBILE.SAV MOBILE.&ALTIN
$$SYS if -e MOBILE.TEM goto EMISB
$$SYS goto EMISZ
$$SYS EMISB:
$$SYS mv MOBILE.TEM MOBILE2.TEM
$$SYS mobilint
$$SYS if -e MOBILE.TEM goto EMISC
$$SYS goto EMISZ
$$SYS EMISC:
$$SYS emis
$$SYS cat EMIS2.OUT >>EMIS.OUT
$$SYS rm EMIS2.OUT
$$SYS EMISZ:
$$SYS /urbansys/datime
$$SYS echo \*\*\*\*\* EMIS \*\*\*\*\* -- END
```


IV. INPUT FILES

```
&PARAM ZONES=1200,  
UPARMS( 1)=1000.,  
UPARMS( 2)=0.,  
UPARMS( 3)=2.,  
UPARMS( 4)=2.,  
UPARMS( 5)=0.,  
UPARMS( 6)=1200.,  
UPARMS( 7)=0.,  
UPARMS( 8)=4500.,  
UPARMS( 9)=4999.,  
UPARMS(10)=0.,  
UPARMS(50)=999 &END
```

1	5603	5610	5	.72	1.46	2	00000001
1	5610	5509	5	1.31	2.20	2	00000002
1	5509	5527	5	1.00	1.88	2	00000003
1	5527	5439	5	1.85	2.63	2	00000004
1	5439	5309	5	1.12	1.98	2	00000005
1	5309	5325	5	1.82	2.60	2	00000006
1	5325	5196	5	1.47	2.47	2	00000007
1	5196	4759	5	0.84	1.92	2	00000008
1	4759	4748	5	0.34	1.18	1	00000009
1	4748	4493	5	0.90	2.02	1	00000010
1	4493	4477	5	0.68	1.77	1	00000011
1	4477	4356	5	0.42	1.30	1	00000012
1	4356	4216	5	0.89	1.75	2	00000013
1	4216	4193	5	1.10	2.22	2	00000014
1	4193	4054	5	1.23	2.53	2	00000015
1	4054	4052	5	0.70	1.70	2	00000016
1	4052	2988	5	1.29	2.38	2	00000017
1	2988	2983	5	0.68	1.11	2	00000019
1	2983	2966	5	1.31	2.28	2	00000020
1	2966	2938	5	1.40	2.68	2	00000021
1	2938	2966	5	1.40	2.75	2	00000022
1	2966	2983	5	1.31	2.30	2	00000024
1	2983	2988	5	0.68	1.43	2	00000025
1	2988	4052	5	1.29	2.40	2	00000026
1	4052	4054	5	0.70	1.70	2	00000027
1	4054	4193	5	1.23	2.55	2	00000028
1	4193	4216	5	1.10	2.25	2	00000029
1	4216	4356	5	0.89	1.78	2	00000030
1	4356	4477	5	0.42	1.30	2	00000031
1	4477	4493	5	0.68	1.77	1	00000032
1	4493	4748	5	0.90	2.07	1	00000033
1	4748	4759	5	0.34	1.20	1	00000034
1	4759	5196	5	0.84	1.75	1	00000035
1	5196	5325	5	1.47	2.48	2	00000036
1	5325	5309	5	1.82	2.60	2	00000037
1	5309	5439	5	1.12	1.85	2	00000038
1	5439	5527	5	1.85	2.63	2	00000039
1	5527	5509	5	1.00	1.88	2	00000040
1	5509	5610	5	1.31	2.03	2	00000041
1	5610	5603	5	0.72	1.78	2	00000042

12/16/1995 16:40

Filename: LINK7AM.90A

Page 1

1	1890	1721	7	4.9	8.0	2	2
1	1721	2983	7	6.5	9.8	2	2
1	2983	4166	7	2.7	4.1	2	2

```
&PARAM ZONES=1200,  
UPARMS( 1)=5.,  
UPARMS( 2)=0.,  
UPARMS( 3)=2.,  
UPARMS( 4)=2.,  
UPARMS( 5)=0.,  
UPARMS( 6)=1200.,  
UPARMS( 7)=0.,  
UPARMS( 8)=4500.,  
UPARMS( 9)=4999.,  
UPARMS(10)=0.,  
UPARMS(50)=999 &END
```

&BAR IDB='TURNPIKE',
NB=2017,2000,2217,2468,3982,5472,1790,5569,5799,5806,5882,
5947,1655,6106,6144,6183,6241,6307,
&END
&BAR IDB='I-95',
NB=2030,2083,2186,1740,2424,3030,4086,4499,4719,4724,4952,
4956,5191,5339,5329,5324,
&END
&BAR IDB='DOLPHIN',
NB=4403,1877,1875,1796,4434,4444,4450,4456,4462,4469,4489,
4509,4539,4571,4580,
&END
&BAR IDB='AIRPORT EXPWY',
NB=4250,3432,4171,1902,
&END
&BAR IDB='MIA',
NB=4279,4290,
&END
&BAR IDB='I-75',
NB=2041,2364,2479,2488,
&END
&BAR IDB='PALMETTO',
NB=2306,2236,2233,3669,5102,5494,5669,
&END
&BAR IDB='SNAPPER CREEK',
NB=5610,5606,5587,
&END
&BAR IDB='DON SHULA',
NB=3625,5587,5796,
&END
&BAR IDB='TPK EXT',
NB=2017,2066,1683,1677,
&END
&BAR IDB='MIAMI RIVER',
NB=2471,2926,1899,4304,4453,4468,4673,4680,4942,4976,5009,
5052,
&END
&BAR IDB='TAMIAMI CANAL',
NB=4603,3602,3987,4836,
&END

9999

101 101 1170 1190 11701190- 0

SCENARIO 1 MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=> 1 2 3 4 5

FT	1	2	3	4	5
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	1	1	1	1	1
5	1	1	1	1	1
6	1	1	1	1	1
7	1	1	1	1	1
8	1	1	1	1	1
9	1	1	1	1	1

T1, 1-1200, 1-1200, *, .100
ORIGIN, T2, 1180, *, .650
ORIGIN, T2, 1181, *, .650
ORIGIN, T2, 1182, *, .650
ORIGIN, T2, 1183, *, .650
ORIGIN, T2, 1184, *, .650
ORIGIN, T2, 1185, *, .650
ORIGIN, T2, 1186, *, .650
ORIGIN, T2, 1187, *, .650
ORIGIN, T2, 1188, *, .650
ORIGIN, T2, 1189, *, .650
ORIGIN, T2, 1190, *, .650
ORIGIN, T2, 1191, *, .650
ORIGIN, T2, 1192, *, .650
ORIGIN, T2, 1193, *, .650
ORIGIN, T2, 1194, *, .650
ORIGIN, T2, 1195, *, .650
ORIGIN, T2, 1196, *, .650
ORIGIN, T2, 1197, *, .650
ORIGIN, T2, 1198, *, .650
ORIGIN, T2, 1199, *, .650
ORIGIN, T2, 1200, *, .650
ORIGIN, T3, 1180, *, .650
ORIGIN, T3, 1181, *, .650
ORIGIN, T3, 1182, *, .650
ORIGIN, T3, 1183, *, .650
ORIGIN, T3, 1184, *, .650
ORIGIN, T3, 1185, *, .650
ORIGIN, T3, 1186, *, .650
ORIGIN, T3, 1187, *, .650
ORIGIN, T3, 1188, *, .650
ORIGIN, T3, 1189, *, .650
ORIGIN, T3, 1190, *, .650
ORIGIN, T3, 1191, *, .650
ORIGIN, T3, 1192, *, .650
ORIGIN, T3, 1193, *, .650
ORIGIN, T3, 1194, *, .650
ORIGIN, T3, 1195, *, .650
ORIGIN, T3, 1196, *, .650
ORIGIN, T3, 1197, *, .650
ORIGIN, T3, 1198, *, .650
ORIGIN, T3, 1199, *, .650
ORIGIN, T3, 1200, *, .650

1	939180923732999945999884999201999735939180
2	856783826139902589894790912900911068856783
3	774386728547805234789698826599822400774386
4	536427640954707878684605740297733733691989
5	428175563361610522579512693997665066609592
6	406244485768513166474418667696576398527195
7	294855408176415810369325551395467731444798
8	231231320583318455264232475093379063362401
9	190472252990221099159139358791290396280004
10	162004155098159610107363287390220315213643
11	124782 95646117425 74221174616169230165013
12	103069 74884 87970 52524110186131558128981
13	92012 55804 67054 38013 95420103468101994
14	75821 31982 51963 28107 86721 82294 81571
15	71939 19523 40905 21211 79242 66166 65960
16	63588 12388 32683 16322 71656 53759 53911
17	59007 8280 26484 12793 65000 41120 44525
18	51185 7008 21747 10205 59568 33563 37146
19	46454 3516 18081 8275 52840 30583 31295
20	41748 2632 15210 6815 46427 25810 26617
21	38375 1939 12934 5695 38038 21969 22848
22	34775 1257 11109 4824 33552 18853 19789
23	31405 930 9630 4138 28500 16304 17286
24	30033 817 8418 3590 22054 14205 15226
25	26585 790 7415 3148 18012 12463 13520
26	23779 728 6576 2787 17297 11007 12097
27	21090 656 5867 2489 15846 9782 10904
28	19901 623 5261 2240 13611 8745 9899
29	18478 599 4739 2029 11554 7860 9048
30	16378 580 4284 1848 10143 7100 8324
31	15206 479 3882 1692 9553 6445 7705
32	13944 394 3526 1554 8904 5874 7174
33	13236 320 3205 1431 7859 5376 6717
34	12092 256 2915 1320 6826 4937 6323
35	10627 200 2649 1219 4752 4549 5982
36	10502 150 2405 1125 3629 4202 5685
37	10098 105 2178 1037 2549 3891 5427
38	8977 85 1967 954 1505 3611 5202
39	8575 68 1770 874 982 3356 5005
40	8493 54 1586 798 856 3123 4832
41	6865 42 1413 725 623 2908 4680
42	5754 32 1251 654 499 2710 4546
43	5150 24 1100 586 373 2525 4427
44	5076 18 959 521 361 2352 4321
45	4929 12 830 459 283 2190 4226
46	4875 8 711 400 275 2036 4140
47	4572 5 603 345 238 1891 4061
48	4397 0 506 294 190 1752 3987
49	4208 0 419 247 170 1621 3918
50	4032 0 343 205 158 1495 3852
51	3922 0 277 167 133 1374 3788
52	3831 0 221 134 124 1260 3724
53	3720 0 173 106 103 1150 3660
54	3593 0 133 82 97 1046 3594
55	3438 0 101 63 78 947 3526
56	3425 0 76 47 66 853 3454
57	3291 0 55 34 59 764 3378
58	3224 0 40 24 49 680 3297
59	3155 0 28 17 36 603 3211
60	2983 0 19 12 29 530 3119
61	2954 0 13 8 18 463 3022
62	2892 0 9 5 14 402 2918
63	2658 0 6 3 8 346 2808
64	2574 0 4 2 3 295 2691
65	2297 0 2 1 2 250 2570
66	2284 0 1 1 1 210 2443

67	2280	0	1	1	1	175	2311
68	2154	0	1	1	1	144	2176
69	2008	0	1	1	1	117	2038
70	1945	0	1	1	1	95	1898

*****AM JITNEY ROUTES FOR MIAMI*****

*****August 3, 1992*****

Revised for new network coding and TAZ system - April, 1994

&ROUTE M=4,L=11,ONEWAY=F,H=12,ID='METROS',
N= -1638,-1633,-1631,-1628,-1623,-1622,-1607,-1604,-1602,-1597,
-1596,-1591,-1581,-1578,-1569,-1567,-1568,-1562,-1559,-1558,
-1542,-1541,-1538,-1533,-1531,-1528,-1523,
-1519,-1518,-1511,-1509,-1508,-1507,-1506,-1504,-1503,-4580,
-4576,-4568,-4567,-4566,-4564,-4553,-4554,-4556,
-4557,-4558,-4559,-4560,-4561,
-4799,-4800,-4801,-4802,-4822,-4823,-4824,-4826,-4827,-4828,
-4812,-4808,-4793,-4776,-4752,-4986, &END

&ROUTE M=4,L=12,ONEWAY=F,H=60,ID='METRO6a',
RL=11,
N= -1638, 0,-4576,-4574,
-4578,-4566,-4567,-4568,-4569,-4571,
-4572,-4573,-4819,-4820,-4821,-4822, 0,-4986, &END

&ROUTE M=4,L=13,ONEWAY=F,H=15,ID='METRO6b',
RL=12,
N= -1622, 0,-4986, &END

&ROUTE M=4,L=14,ONEWAY=F,H=60,ID='MOA2a (96th)',
RL=12,
N= -1638, 0,-4986, &END

&ROUTE M=4,L=15,ONEWAY=F,H=20,ID='MOA2b (71st)',
RL=12,
N= -1622, 0,-4986, &END

&ROUTE M=4,L=16,ONEWAY=F,H=90,ID='MOA6 (Combo)',
RL=12,
N= -1622, 0,-4776,-5001,-5002,-4996,-4986,-4982,-4972,-4966,
-4947,-4942,-4939,-4934,-4931,-4927,-4923,-4919,-4916,-4911,-4909,
-4656,-4654,-4649,-4648,-4642,-4641,-4633,-4632,-4627,-4623,-4619,
-4618,-4616,-4614,-4612,-4611,-4872,-4873,-4871,-4870,-4868,-4867,
-4866,-3598,-4864,-4863,-3267,-4861, &END

&ROUTE M=4,L=21,ONEWAY=F,H=60,ID='MOA4a',
N= -2962,-2963,-2966,-2971,-2970,-2969,-2974,-2976,-2981,
-2983,-2225,-2986,-2988,-2992,-2993,-2997,-3001,-3004,
-3008,-3011,-3014,-3018,-3022,-3027,-3031,-3399,-3033,-3038,
-3044,-3052,-3059,-3063,
-3068,-3069,-1608,-1609,-1611,-1612,-1614,-1617,-1618,-1619,
-1622,-1607,
-1604,-1602,-1597,-1596,-1591,-1581,-1578,-1569,-1567,-1568,
-1562,-1559,-1558,-1542,-1541,-1538,-1533,-1531,-1528,-1523,
-1519,-1518,-1511,-1509,-1508,-1507,-1506,-1504,-1503,-4580,
-4576,-4574,-4578,-4566,-4567,-4568,-4569,-4571,-4572,-4573,
-4819,-4820,-4821,-4822,-4823,-4824,-4826,-4827,-4828,-4812,
-4808,-4793,-4776,-4752,-4986, &END

&ROUTE M=4,L=22,ONEWAY=F,H=20,ID='MOA4b (27th)',
RL=21,
N= -2997, 0,-4986, &END

&ROUTE M=4,L=23,ONEWAY=F,H=30,ID='MOA4c (71st)',
RL=21,
N= -1622, 0,-4986, &END

&ROUTE M=4,L=24,ONEWAY=F,H=60,ID='CONCHITA2',
N= -2962,-2963,-2966,-2971,-2970,-2969,-2974,-2976,-2981,
-2983,-2225,-2986,-2988,-2992,-2993,-2997,-3001,-3004,
-3008,-3011,-3014,-3018,-3022,-3027,-3031,-3399,-3033,-3038,

-3044,-3052,-3059,-3063,
-3068,-3069,-1608,-1609,-1611,-1612,-1614,-1617,-1618,-1619,
-1622,-1607,
-1604,-1602,-1597,-1596,-1591,-1581,-1578,-1569,-1567,-1568,
-1562,-1559,-1558,-1542,-1541,-1538,-1533,-1531,-1528,-1523,
-1519,-1518,-1511, &END

&ROUTE M=4,L=25,ONEWAY=F,H=60,ID='DOLPHIN1',
N= -2976,-2981,-2983,-2225,
-2986,-2988,-2992,-2993,-2997,-3001,-3004,
-3008,-3011,-3014,-3018,-3022,-3027,-3031,-3399,-3033,-3038,
-3044,-3052,-3059,-3063,
-3068,-3069,-1608,-1609,-1611,-1612,-1614,-1617,-1618,-1619,
-1622,-1607,-1604,-1602,-1597,
-1596,-1591,-1581,-1578,-1569,-1567,-1568,-1562,-1559,-1558,
-1542,-1541,-1538,-1533,-1531,-1528,-1523,
-1519,-1518,-1511,-1509,-1508,-1507,-1506,-1504,-1503,-4580,
-4576,-4568,-4567,-4566,-4564,-4553,-4554,-4556,
-4557,-4558,-4559,-4560,-4561,
-4799,-4800,-4801,-4802,-4822,-4823,-4824,-4826,-4827,-4828,
-4812,-4808,-4793,-4776,-4752, &END

&ROUTE M=4,L=26,ONEWAY=F,H=30,ID='ORF1',
RL=21,
N= -2976, 0,-4752, &END

&ROUTE M=4,L=33,ONEWAY=F,H=30,ID='MOA3a (via 163)',
N= -2098,-2099,-2203,-2985,-2204,-2200,-2198,-2197,-2194,
-2196,-2336,-2337,-2338,-2339,-2865,-3206,
-2333,-2332,-2331,-2327,-2324,-2318,-1885,
-2313,-2311,-2312,-3212,-2441,
-2442,-2443,-2564,-2565,-2691,-2692,-2693,-2694,-3134,-2802,-2803,
-2804,-2806,-2898,-2899,-2900,-3060,-3061,-3062,-3063,-3064,-3066,
-4108,-4109,-4110,-4111,-4244,-4246,-4247,-4248,-4249,-4396,-4397,
-4398,-4399,-4564,-4566,-4554,-4556,-4557,-4558,-4559,-4560,-4561,
-4799,-4800,-4801,-4802,-4803,-4804,-4813,-4824,-4826,-4827,-4828,
-4812,-4808,-4793,-4776,-5001,-5002, &END

&ROUTE M=4,L=34,ONEWAY=T,H=30,ID='MOA3b (Direct in)',
RL=33,
N= -2098,-2099,-2203,-2985,-2204,-2965,
-2202,-2347,-2348,-2349,-2350,-2461,
-2462,-2463,-2578,-2579,-2580,-2708,-2709,-2710,-2711,-2810,-3136,
-2811,-2812,-3137,-2902,-2903,-3149,-2900, 0,-5002, &END

&ROUTE M=4,L=35,ONEWAY=T,H=30,ID='MOA3b (Direct out)',
RL=34,
N= -5002, 0,-2900,-2899,-2898,-2806,-2804,-2803,-2802,-3134,
-2694,-2693,-2692,-2695,-2568,-2570,-2572,-2574,-2456,-2458,
-2925,-2460,-2344,
-2350, 0,-2098, &END

&ROUTE M=4,L=36,ONEWAY=F,H=40,ID='ORF2',
RL=33,
N= -2098, 0,-4804,-4796,-4789,-4780,-4771, &END

&ROUTE M=4,L=37,ONEWAY=F,H=60,ID='UNKNOWN1a (123rd)',
N= -1536,-1537,-1538,-1541,-1542,-1558,-1559,-1562,-1568,-1567,
-1569,-1578,
-1581,-1591,-1596,-1597,-1602,-1604,-1607,-1622,-1623,-1628,
-1631,-1633,-1638,
-1637,-1636,-3974,-1981,-1946,-2714,-2713,-2712,
-2709,-2710,-2711,-2810,-3136,-2811,-2812,-3137,-2902,-2903,
-3149,-2900,-3060,-3061,-3062,-3063,-3064,-3066,-4108,-4109,
-4110,-4111,-4244,-4246,-4247,-4248,-4249,-4396,-4397,-4398,
-4399,-4564,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,

-4820, -4821, -4822, -4823, -4824, -4826, -4827, -4828, -4812, -4808,
-4793, -4776, -4752, -4986, &END

&ROUTE M=4, L=38, ONEWAY=F, H=60, ID='UNKNOWN1b (79th)',
RL=37,
N= -1536, 0, -1622, -1619, -1618, -1617, -1614, -1612, -1611, -1609,
-1608, -3069, -3068, -3063, 0, -4986, &END

&ROUTE M=4, L=41, ONEWAY=F, H=45, ID='KING1 (79th)',
N= -2976, -2981, -2983, -2225, -2986, -2988, -2992, -2993, -2997,
-3001, -3004,
-3008, -3011, -3014, -3018, -3019, -3020, -4071, -4072, -4078, -4081, -4082,
-4083, -4084, -4220, -4221, -4222, -4223, -4224, -4369, -4370, -4371, -4372,
-4373, -4374, -4490, -4496, -4508, -4511, -4512, -4519, -4520, -4521, -4522,
-4734, -4736, -4737, -4738, -4746, -4750, -4753, -4769, -4770, -4771, -4772,
-4773, &END

&ROUTE M=4, L=42, ONEWAY=F, H=30, ID='KING2 (62nd)',
RL=41,
N= -2997, -3001, -3004, -3006, -3007, -4058, -4059, -4062, -4066, -4069,
-4072, -4078, -4081, 0, -4773, &END

&ROUTE M=4, L=47, ONEWAY=F, H=30, ID='MOA1a (42nd)',
N= -2976, -2981, -2983, -2225,
-2986, -2988, -2992, -2993, -2997, -3001, -3004,
-3008, -3011, -3014, -3018, -3022, -3027, -3031, -3399,
-3033, -3038, -3044, 3052,
3059, -3063, -3059, -3052, -3053, -3054, -4100, -4102, -4103, -4104,
-4241, -4242, -4243, -4392, -4393, -4394, -4552, -4553, -4554, -4566, -4567,
-4568, -4569, -4571, -4572, -4573, -4819, -4820, -4821, -4822, -4823, -4824,
-4813, -4804, -4796, -4789, -4780, -4771, -4772, -4773, -4774, -4776, -5001,
-5002, &END

&ROUTE M=4, L=48, ONEWAY=F, H=12, ID='MOA1b (27th)',
RL=47,
N= -2997, 0, -3044, -3052, -3053, 0, -5002, &END

&ROUTE M=4, L=49, ONEWAY=F, H=20, ID='MOA1c (17th)',
RL=48,
N= -3011, 0, -5002, &END

&ROUTE M=4, L=51, ONEWAY=F, H=60, ID='MARCELLO1a (140)',
N= -2439, -2560, -2678, -2679, -2680, -2681, -2682, -2792, -2793, -2794,
-2889, -2890, -2891, -2892, -3042, -3043, -3044, -3046, -3047, -3048,
-4096, -4097, -4098, -4234, -4236, -4237, -3440, -4238, -4239, -4387,
-4388, -4389, -4390, -4391, -4531, -4532, -4533, -4534, -4537, -4538,
-4766, -4767, -4768, -4769, -4770, -4771, -4772, -4773, &END

&ROUTE M=4, L=52, ONEWAY=F, H=60, ID='MARCELLO1b (125)',
RL=51,
N= -2679, 0, -4773, &END

&ROUTE M=4, L=53, ONEWAY=F, H=60, ID='MARCELLO2',
RL=51,
N= -2679, 0, -3044, -3052, 3044, -3046, 0, -4773, &END

&ROUTE M=4, L=54, ONEWAY=F, H=45, ID='MARCELLO3',
RL=51,
N= -2684, -2686, -2782,
-2687, -2797, -2798, -2799, -2800, -2893, -2894, -2896,
-3050, -3051, -3052, -3053, -3054, -4100, -4102, -4103, -4104, -4241,
-4240, -4236, 0, -4773, &END

&ROUTE M=4, L=55, ONEWAY=T, H=30, ID='UNKNOWN2 in',
RL=51,
N= -2776, -2866, -2867, -2868, -2869, -3003, -3004, -3008, -3011, -3014,

-3018, -3022, -3027, -3031, -3399,
-3033, -3038, -3044, 0, -4773, -4774, -4776, -5001, -5002, &END

&ROUTE M=4, L=56, ONEWAY=T, H=30, ID='UNKNOWN2 out',
RL=-51,
N= -5002, -5001, -4776, -4774, -4773, 0, -2794, -2791, -2788, -2787,
-3388, -2786, -2784, -2780, -2778, -2777, -2776, &END

&ROUTE M=4, L=61, ONEWAY=F, H=12, ID='METRO1 (Mall)',
N= -4257, -4407, -3551, -4408, -4583,
-3225, -3177, -4587, -3178, -3224, -4593, -4594, -4597,
-4601, -1859, -1861, -4602, -4603, -4604, -3262, -4607,
-4608, -4611, -4612, -4614, -4616, -4618, -4619, -4623, -4627, -4632,
-4633, -4641, -4642, -4648, -4649, -4654, -4656, -4909, -4911, -4916,
-4919, -4923, -4927, -4931, -4934, -4939, -4942, -4947,
-4966, -4972, -4982, -4986, -4996, -5002, -5012, -5018, &END

&ROUTE M=4, L=62, ONEWAY=F, H=12, ID='METRO1A (8th)',
RL=61,
N= -4861, -3267, -4863, -4864, -3598, -4866, -4603, 0, -5018, &END

&ROUTE M=4, L=63, ONEWAY=F, H=30, ID='METRO2 (87)',
N= -5078, -4848, -4849, -4852, -5081, -5082, -3279, -5083, -3276,
-5087, -5088, -5089,
-5093, -5092, -3268, -5091, -5090, -4861, -3267, -4863, -4864, -3598,
-4866, -4867, -4868, -4870,
-4871, -4873, -4874, -4877, -4878, -4879, -4881, -4882, -4883, -4886, -4887,
-4892, -4894, -4897, -4898, -4901, -4902, -4904, -4908, -4914, -4918,
-4922, -4926, -4930, -4933, -4938, -4941, -4946, -4957, -4964, -4970, -4979,
-4993, -5011, -5010, -5009, -5008, -5007, -5006, -5004, -5003, -5002, -5001,
-4776, -4774, -4773, -4772, -4771, -4770, -4769, -4768, -4777, -4786, &END

&ROUTE M=4, L=64, ONEWAY=F, H=30, ID='METRO2 (62)',
RL=63,
N= -5078, 0, -5093, -5096, -5097, -5100, -5101, -5103, -3607,
-5104, -5106,
-5109, -5110, -3259, -5113, -5112, -2775, -5111, -4873, 0, -4786, &END

&ROUTE M=4, L=65, ONEWAY=F, H=30, ID='METRO3',
N= -4257, -4407, -3551, -4408, -4583, -3225, -3177, -4587, -3178,
-3224, -4593, -4592, -4596,
-4598, -4599, -4601, -1859, -1861, -4602, -4603, -4604, -3262,
-4607, -4606,
-4609, -1808, -4617, -4621, -4626, -4628, -4630, -4634, -4636, -4638,
-4643, -4646, -4650, -4652, -4657, -4658, -4662, -4663, -4668, -4669,
-4673, -4680, -4679, -4689, -4701, -4721, -4735, -4738, -4746, -4750,
-4753, -4769, -4778, -4779, -4787, -4802, -4803, -4804, -4806, -4807,
-4808, -5029, -5030, &END

&ROUTE M=4, L=71, ONEWAY=F, H=30, ID='DADE1',
N= -2867, -2864, -2862, -6369, -2863, -2996, -2997, -2998, -2999,
-3000, -4051, -4052, -4053, -4054, -4057, -4061, -4063, -4068, -4199,
-4200, -4201, -3426, -3428,
-4203, -4204, -4330, -4331, -4332, -4333, -4334, -4336,
-4339, -4346, -4349, -4356, -4359, -4366, -4368, -4374, -4490, -4496,
-4508, -4511, -4518, -4519, -4520, -4521, -4522, -4734, -4736, -4737,
-4738, -4746, -4750, -4753, -4769, -4770, -4771, -4772, -4773, &END

&ROUTE M=4, L=74, ONEWAY=F, H=30, ID='LIBERTY1',
N= -2867, -2868, -2869, -3003, -3004, -3006, -3007, -4058, -4059, -4060,
-4061, -4063, -4068, -4070, -4077, -4210, -4211, -4212, -4213, -4214,
-4216, -4350, -4351, -4352, -4353, -4354, -4356, -4359, -4366, -4368, -4374,
-4377, -4378, -4511, -4518, -4519, -4520, -4521, -4522, -4734, -4736, -4737,
-4738, -4746, -4750, -4753, -4769, -4770, -4771, -4772, -4773, &END

&ROUTE M=4, L=75, ONEWAY=F, H=60, ID='LIBERTY2 (17th)',

RL=74,
 N= -2536,-2537,-2541,-2542,-2653,-2654,-2656,-2657,-2778,-2871,
 -2872,-2873,-3010,-3011,-3012,-3013,-4064,-4066,-4067,-4068,-4199,
 -4200,-4201,-3426,-3428,
 -4203,-4204,-4206,-4208,-4209,-4216,-4217,-4218,
 -4224,-4227,-4232,-4379,-4380,-4381,-4382,-4383,-4517,-4518, 0,
 -4773, &END

&ROUTE M=4,L=76,ONEWAY=F,H=60,ID='LIBERTY3 (22nd)',
 RL=75,
 N= -2536,-3127,-2649,-2650,-3128,
 -2651,-2774,-2776,-2866,-2867,-2868,-2869,
 -3003,-3004,-3006,-3007,-4058,-4059,-4062,-4066, 0,-4773, &END

&ROUTE M=4,L=80,ONEWAY=F,H=30,ID='FANTASY1 (163rd)',
 N= -2333,-2332,-2331,-2327,-2324,-2318,-1885,-2313,-2311,-2312,
 -3212,-2441,-2442,
 -2443,-2564,-2565,-2691,-2692,-2693,-2690,-3204,-2265,
 -2687,-2797,-2798,-2799,
 -2800,-2893,-2894,-2896,-3050,-3051,-3052,-3053,-3054,-4100,-4102,
 -4103,-4104,-4241,-4242,-4243,-4392,-4393,-4394,-4552,-4553,
 -4554,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,-4820,-4821,
 -4822,-4823,-4824,-4826,-4827,-4828,-4812,-4808,-4793,-4776,-4752,
 &END

&ROUTE M=4,L=81,ONEWAY=F,H=30,ID='FANTASY2 (Aventura)',
 N= -2098,-2099,-2203,-2985,-2204,-2965,
 -2202,-2347,-2348,-2349,-2350,-2461,
 -2462,-2463,-2578,-2579,-2580,-2708,-2709,-2710,-2711,-2810,-3136,
 -2811,-2812,-3137,-2902,-2903,-3149,
 -2900,-3060,-3061,-3062,-3063,-3064,-3066,-4108,
 -4109,-4110,-4111,-4244,-4246,-4247,-4248,-4249,-4243,-4392,-4393,
 -4394,-4552,-4553,-4554,-4556,-4557,-4558,-4559,-4560,-4561,-4799,
 -4800,-4801,-4802,-4803,-4804,-4806,-4807,-4808,-5029,-5030,-5027,
 -5018, &END

&ROUTE M=4,L=82,ONEWAY=F,H=45,ID='FLORIDA1'
 RL=80,
 N= -2333, 0,-4554,-4556,-4557,-4558,-4559,-4560,-4561,-4799,
 -4800,-4801,-4802,-4822,-4823,-4824,-4826,-4827,-4828,-4812,-4808,
 -4793, &END

&ROUTE M=4,L=83,ONEWAY=F,H=12,ID='MIAMI1a',
 RL=80,
 N= -2333, 0,-4752, &END

&ROUTE M=4,L=84,ONEWAY=F,H=60,ID='MIAMI1b (Aventura)',
 RL=80,
 N= -2098,-2099,-2203,-2985,
 -2204,-2200,-2198,-2197,-2194,-2196,-2336,
 -2337,-2338,-2339,-2865,-3206,-2333, 0,-4752, &END

&ROUTE M=4,L=85,ONEWAY=T,H=30,ID='MIAMI1c in',
 RL=80,
 N= -2098,-2099,-2203,-2985,-2204,-2965,
 -2202,-2347,-2348,-2349,-2350,-2461,-2462,
 -2463,-2578,-2579,-2580,-2708,-2709,-2706,-2703,-2702,-2701,-2698,
 -2696,-2693, 0,-4752, &END

&ROUTE M=4,L=86,ONEWAY=T,H=30,ID='MIAMI1c out',
 RL=-85,
 N= -4752, 0,-2693,-2692,-2695,-2568,-2570,-2572,-2574,-2456,
 -2458,-2925,-2460,-2344,-2350, 0,-2098, &END

&ROUTE M=4,L=87,ONEWAY=F,H=30,ID='POWER1 (Aventura)',
 RL=81,

N= -2098, 0,-4109,-4106,-4102,-4103,-4104,-4241,-4242,-4243,
 0,-4803,-4809,-4823,-4824,-4826,-4827,-4828,-4812,-4808,-4793,
 -4776,-4752, &END

&ROUTE M=4,L=88,ONEWAY=F,H=60,ID='POWER2 (NE2)',
 RL=80,
 N= -4104, 0,-4752, &END

&ROUTE M=4,L=90,ONEWAY=F,H=30,ID='CONCHITA 1',
 N= -2966,-2963,-2956,-2946,-2938,-2936,-2924,-2826,-2824,-2736,
 -2734,-2733,-2612,-2611,-2613,-2616,-2614,-2498,-2497,
 -2494,-2493,-2379,-2381,-2382,-2383,-2386,-2384, &END

&ROUTE M=4,L=91,ONEWAY=F,H=45,ID='MOA5 (103rd)',
 N= -2732,-2734,-2737,-2739,-2741,-2743,-2746,-2748,-2750,-2752,
 -2754,-2757,-2759,-2761,-2762,-2763,-2766,-2768,-2770,-2772,-2773,
 -2776,-2866,-2867,-2870,-2871,-2781,-2876,-2880,-2882,-3393,
 -2883,-2886,-2890,-2894, &END

&ROUTE M=4,L=92,ONEWAY=F,H=30,ID='METRO4',
 N= -4183,-3416,-4184,-4186,-4313,-4314,-4316,-4317,-4318,
 -4319,-4453,-4454,-3509,
 -4456,-4651,-4652,-4653,-4654,-4899,-4900,-4901,-5164,
 -2821,-5166,-5167,-5307,-5308,-5309,-5310,-5453,-5454, &END

&ROUTE M=4,L=93,ONEWAY=T,H=30,ID='UNKNOWN 3',
 N= -2761,-2762,-2763,-2766,-2768,-2770,-2772,-2773,-2776,-2777,
 -2778,-2780,-2784,-2786,-3388,-2787,-2788,-2791,-2794,-2889,-2890,
 -2891,-2892,-3042,-3043,-3044,-3046,-3047,-3048,-4096,-4097,
 -4098,-4234,-4236,-4230,-4228,-4222,-4219,-4212,-4211,-4210,
 -4077,-4079,-4084,-4091,-4093, 4098,-4099,-4104,-4103,-4102,
 -4100,-3054,-3053,-3052,-3059,-3063,-3062,-3061,-3058,-3051,-3049,
 3043,-3037,-3032,-3398,
 -3030,-3026,-3021,-3017,-3014,-3011,-3008,-3004,
 -3001,-2997,-2993,-2992,-2988,-2986,-2225,
 -2983,-2981,-2976,-2853,-2852,-2851,-2761, &END

*****MD JITNEY ROUTES FOR MIAMI*****

*****August 3, 1992*****

Revised for new network coding and TAZ system - April, 1994

&ROUTE M=4,L=11,ONEWAY=F,H=10,ID='METRO5',
N= -1638, -1633, -1631, -1628, -1623, -1622, -1607, -1604, -1602, -1597,
-1596, -1591, -1581, -1578, -1569, -1567, -1568, -1562, -1559, -1558,
-1542, -1541, -1538, -1533, -1531, -1528, -1523,
-1519, -1518, -1511, -1509, -1508, -1507, -1506, -1504, -1503, -4580,
-4576, -4568, -4567, -4566, -4564, -4553, -4554, -4556,
-4557, -4558, -4559, -4560, -4561,
-4799, -4800, -4801, -4802, -4822, -4823, -4824, -4826, -4827, -4828,
-4812, -4808, -4793, -4776, -4752, -4986, &END

&ROUTE M=4,L=12,ONEWAY=F,H=60,ID='METRO6a',
RL=11,
N= -1638, 0, -4576, -4574,
-4578, -4566, -4567, -4568, -4569, -4571,
-4572, -4573, -4819, -4820, -4821, -4822, 0, -4986, &END

&ROUTE M=4,L=13,ONEWAY=F,H=30,ID='METRO6b',
RL=12,
N= -1622, 0, -4986, &END

&ROUTE M=4,L=14,ONEWAY=F,H=60,ID='MOA2a (96th)',
RL=12,
N= -1638, 0, -4986, &END

&ROUTE M=4,L=15,ONEWAY=F,H=30,ID='MOA2b (71st)',
RL=12,
N= -1622, 0, -4986, &END

&ROUTE M=4,L=21,ONEWAY=F,H=60,ID='MOA4a',
N= -2962, -2963, -2966, -2971, -2970, -2969, -2974, -2976, -2981,
-2983, -2225, -2986, -2988, -2992, -2993, -2997, -3001, -3004,
-3008, -3011, -3014, -3018, -3022, -3027, -3031, -3399, -3033, -3038,
-3044, -3052, -3059, -3063,
-3068, -3069, -1608, -1609, -1611, -1612, -1614, -1617, -1618, -1619,
-1622, -1607,
-1604, -1602, -1597, -1596, -1591, -1581, -1578, -1569, -1567, -1568,
-1562, -1559, -1558, -1542, -1541, -1538, -1533, -1531, -1528, -1523,
-1519, -1518, -1511, -1509, -1508, -1507, -1506, -1504, -1503, -4580,
-4576, -4574, -4578, -4566, -4567, -4568, -4569, -4571, -4572, -4573,
-4819, -4820, -4821, -4822, -4823, -4824, -4826, -4827, -4828, -4812,
-4808, -4793, -4776, -4752, -4986, &END

&ROUTE M=4,L=22,ONEWAY=F,H=60,ID='MOA4b (27th)',
RL=21,
N= -2997, 0, -4986, &END

&ROUTE M=4,L=23,ONEWAY=F,H=60,ID='MOA4c (71st)',
RL=21,
N= -1622, 0, -4986, &END

&ROUTE M=4,L=24,ONEWAY=F,H=90,ID='CONCHITA2',
N= -2962, -2963, -2966, -2971, -2970, -2969, -2974, -2976, -2981,
-2983, -2225, -2986, -2988, -2992, -2993, -2997, -3001, -3004,
-3008, -3011, -3014, -3018, -3022, -3027, -3031, -3399, -3033, -3038,
-3044, -3052, -3059, -3063,
-3068, -3069, -1608, -1609, -1611, -1612, -1614, -1617, -1618, -1619,
-1622, -1607,
-1604, -1602, -1597, -1596, -1591, -1581, -1578, -1569, -1567, -1568,
-1562, -1559, -1558, -1542, -1541, -1538, -1533, -1531, -1528, -1523,
-1519, -1518, -1511, &END

&ROUTE M=4,L=25,ONEWAY=F,H=120,ID='DOLPHINI',

N= -2976, -2981, -2983, -2225,
-2986, -2988, -2992, -2993, -2997, -3001, -3004,
-3008, -3011, -3014, -3018, -3022, -3027, -3031, -3399, -3033, -3038,
-3044, -3052, -3059, -3063,
-3068, -3069, -1608, -1609, -1611, -1612, -1614, -1617, -1618, -1619,
-1622, -1607, -1604, -1602, -1597,
-1596, -1591, -1581, -1578, -1569, -1567, -1568, -1562, -1559, -1558,
-1542, -1541, -1538, -1533, -1531, -1528, -1523,
-1519, -1518, -1511, -1509, -1508, -1507, -1506, -1504, -1503, -4580,
-4576, -4568, -4567, -4566, -4564, -4553, -4554, -4556,
-4557, -4558, -4559, -4560, -4561,
-4799, -4800, -4801, -4802, -4822, -4823, -4824, -4826, -4827, -4828,
-4812, -4808, -4793, -4776, -4752, &END

&ROUTE M=4,L=26,ONEWAY=F,H=30,ID='ORF1',
RL=21,
N= -2976, 0, -4752, &END

&ROUTE M=4,L=33,ONEWAY=F,H=60,ID='MOA3a (via 163)',
N= -2098, -2099, -2203, -2985, -2204, -2200, -2198, -2197, -2194,
-2196, -2336, -2337, -2338, -2339, -2865, -3206,
-2333, -2332, -2331, -2327, -2324, -2318, -1885, -2313, -2311, -2312, -3212,
-2441,
-2442, -2443, -2564, -2565, -2691, -2692, -2693, -2694, -3134, -2802, -2803,
-2804, -2806, -2898, -2899, -2900, -3060, -3061, -3062, -3063, -3064, -3066,
-4108, -4109, -4110, -4111, -4244, -4246, -4247, -4248, -4249, -4396, -4397,
-4398, -4399, -4564, -4566, -4554, -4556, -4557, -4558, -4559, -4560, -4561,
-4799, -4800, -4801, -4802, -4803, -4804, -4813, -4824, -4826, -4827, -4828,
-4812, -4808, -4793, -4776, -5001, -5002, &END

&ROUTE M=4,L=34,ONEWAY=T,H=60,ID='MOA3b (Direct in)',
RL=33,
N= -2098, -2099, -2203, -2985, -2204, -2965,
-2202, -2347, -2348, -2349, -2350, -2461,
-2462, -2463, -2578, -2579, -2580, -2708, -2709, -2710, -2711, -2810, -3136,
-2811, -2812, -3137, -2902, -2903, -3149, -2900, 0, -5002, &END

&ROUTE M=4,L=35,ONEWAY=T,H=60,ID='MOA3b (Direct out)',
RL=34,
N= -5002, 0, -2900, -2899, -2898, -2806, -2804, -2803, -2802, -3134,
-2694, -2693, -2692, -2695, -2568, -2570, -2572, -2574, -2456, -2458,
-2925, -2460, -2344,
-2350, 0, -2098, &END

&ROUTE M=4,L=36,ONEWAY=F,H=40,ID='ORF2',
RL=33,
N= -2098, 0, -4804, -4796, -4789, -4780, -4771, &END

&ROUTE M=4,L=37,ONEWAY=F,H=60,ID='UNKNOWN1a (123rd)',
N= -1536, -1537, -1538, -1541, -1542, -1558, -1559, -1562, -1568, -1567,
-1569, -1578,
-1581, -1591, -1596, -1597, -1602, -1604, -1607, -1622, -1623, -1628,
-1631, -1633, -1638,
-1637, -1636, -3974, -1981, -1946, -2714, -2713, -2712,
-2709, -2710, -2711, -2810, -3136, -2811, -2812, -3137, -2902, -2903,
-3149, -2900, -3060, -3061, -3062, -3063, -3064, -3066, -4108, -4109,
-4110, -4111, -4244, -4246, -4247, -4248, -4249, -4396, -4397, -4398,
-4399, -4564, -4566, -4567, -4568, -4569, -4571, -4572, -4573, -4819,
-4820, -4821, -4822, -4823, -4824, -4826, -4827, -4828, -4812, -4808,
-4793, -4776, -4752, -4986, &END

&ROUTE M=4,L=38,ONEWAY=F,H=60,ID='UNKNOWN1b (79th)',
RL=37,
N= -1536, 0, -1622, -1619, -1618, -1617, -1614, -1612, -1611, -1609,
-1608, -3069, -3068, -3063, 0, -4986, &END

&ROUTE M=4,L=41,ONEWAY=F,H=45, ID='KING1 (79th)',
 N= -2976, -2981, -2983, -2225, -2986, -2988, -2992, -2993, -2997,
 -3001, -3004,
 -3008, -3011, -3014, -3018, -3019, -3020, -4071, -4072, -4078, -4081, -4082,
 -4083, -4084, -4220, -4221, -4222, -4223, -4224, -4369, -4370, -4371, -4372,
 -4373, -4374, -4490, -4496, -4508, -4511, -4512, -4519, -4520, -4521, -4522,
 -4734, -4736, -4737, -4738, -4746, -4750, -4753, -4769, -4770, -4771, -4772,
 -4773, &END

&ROUTE M=4,L=42,ONEWAY=F,H=30, ID='KING2 (62nd)',
 RL=41,
 N= -2997, -3001, -3004, -3006, -3007, -4058, -4059, -4062, -4066, -4069,
 -4072, -4078, -4081, 0, -4773, &END

&ROUTE M=4,L=47,ONEWAY=F,H=30, ID='MOA1a (42nd)',
 N= -2976, -2981, -2983, -2225,
 -2986, -2988, -2992, -2993, -2997, -3001, -3004,
 -3008, -3011, -3014, -3018, -3022, -3027, -3031, -3399,
 -3033, -3038, -3044, 3052,
 3059, -3063, -3059, -3052, -3053, -3054, -4100, -4102, -4103, -4104,
 -4241, -4242, -4243, -4392, -4393, -4394, -4552, -4553, -4554, -4566, -4567,
 -4568, -4569, -4571, -4572, -4573, -4819, -4820, -4821, -4822, -4823, -4824,
 -4813, -4804, -4796, -4789, -4780, -4771, -4772, -4773, -4774, -4776, -5001,
 -5002, &END

&ROUTE M=4,L=48,ONEWAY=F,H=15, ID='MOA1b (27th)',
 RL=47,
 N= -2997, 0, -3044, -3052, -3053, 0, -5002, &END

&ROUTE M=4,L=49,ONEWAY=F,H=30, ID='MOA1c (17th)',
 RL=48,
 N= -3011, 0, -5002, &END

&ROUTE M=4,L=51,ONEWAY=F,H=60, ID='MARCELLO1a (140)',
 N= -2439, -2560, -2678, -2679, -2680, -2681, -2682, -2792, -2793, -2794,
 -2889, -2890, -2891, -2892, -3042, -3043, -3044, -3046, -3047, -3048,
 -4096, -4097, -4098, -4234, -4236, -4237, -3440, -4238, -4239, -4387,
 -4388, -4389, -4390, -4391, -4531, -4532, -4533, -4534, -4537, -4538,
 -4766, -4767, -4768, -4769, -4770, -4771, -4772, -4773, &END

&ROUTE M=4,L=52,ONEWAY=F,H=20, ID='MARCELLO1b (125)',
 RL=51,
 N= -2679, 0, -4773, &END

&ROUTE M=4,L=53,ONEWAY=F,H=30, ID='MARCELLO2',
 RL=51,
 N= -2679, 0, -3044, -3052, 3044, -3046, 0, -4773, &END

&ROUTE M=4,L=56,ONEWAY=T,H=40, ID='UNKNOWN2 out',
 RL=-51,
 N= -5002, -5001, -4776, -4774, -4773, 0, -2794, -2791, -2788, -2787,
 -3388, -2786, -2784, -2780, -2778, -2777, -2776, &END

&ROUTE M=4,L=61,ONEWAY=F,H=15, ID='METRO1 (Mall)',
 N= -4257, -4407, -3551, -4408, -4583,
 -3225, -3177, -4587, -3178, -3224, -4593, -4594, -4597,
 -4601, -1859, -1861, -4602, -4603, -4604, -3262, -4607,
 -4608, -4611, -4612, -4614, -4616, -4618, -4619, -4623, -4627, -4632,
 -4633, -4641, -4642, -4648, -4649, -4654, -4656, -4909, -4911, -4916,
 -4919, -4923, -4927, -4931, -4934, -4939, -4942, -4947,
 -4966, -4972, -4982, -4986, -4996, -5002, -5012, -5018, &END

&ROUTE M=4,L=62,ONEWAY=F,H=10, ID='METRO1A (8th)',
 RL=61,
 N= -4861, -3267, -4863, -4864, -3598, -4866, -4603, 0, -5018, &END

&ROUTE M=4,L=63,ONEWAY=F,H=30, ID='METRO2 (87)',
 N= -5078, -4848, -4849, -4852, -5081, -5082, -3279, -5083, -3276,
 -5087, -5088, -5089,
 -5093, -5092, -3266, -5091, -5090, -4861, -3267, -4863, -4864, -3598,
 -4866, -4867, -4868, -4870,
 -4871, -4873, -4874, -4877, -4878, -4879, -4881, -4882, -4883, -4886, -4887,
 -4892, -4894, -4897, -4898, -4901, -4902, -4904, -4908, -4914, -4918,
 -4922, -4926, -4930, -4933, -4938, -4941, -4946, -4957, -4964, -4970, -4979,
 -4993, -5011, -5010, -5009, -5008, -5007, -5006, -5004, -5003, -5002, -5001,
 -4776, -4774, -4773, -4772, -4771, -4770, -4769, -4768, -4777, -4786, &END

&ROUTE M=4,L=64,ONEWAY=F,H=30, ID='METRO2 (62)',
 RL=63,
 N= -5078, 0, -5093, -5096, -5097, -5100, -5101, -5103, -3607,
 -5104, -5106,
 -5109, -5110, -3259, -5113, -5112, -2775, -5111, -4873, 0, -4786, &END

&ROUTE M=4,L=65,ONEWAY=F,H=30, ID='METRO3',
 N= -4257, -4407, -3551, -4408, -4583, -3225, -3177, -4587, -3178,
 -3224, -4593, -4592, -4596,
 -4598, -4599, -4601, -1859, -1861, -4602, -4603, -4604, -3262,
 -4607, -4606,
 -4609, -1808, -4617, -4621, -4626, -4628, -4630, -4634, -4636, -4638,
 -4643, -4646, -4650, -4652, -4657, -4658, -4662, -4663, -4668, -4669,
 -4673, -4680, -4679, -4689, -4701, -4721, -4735, -4738, -4746, -4750,
 -4753, -4769, -4778, -4779, -4787, -4802, -4803, -4804, -4806, -4807,
 -4808, -5029, -5030, &END

&ROUTE M=4,L=71,ONEWAY=F,H=20, ID='DADE1',
 N= -2867, -2864, -2862, -6369, -2863, -2996, -2997, -2998, -2999,
 -3000, -4051, -4052, -4053, -4054, -4057, -4061, -4063, -4068, -4199,
 -4200, -4201, -3426, -3428,
 -4203, -4204, -4330, -4331, -4332, -4333, -4334, -4336,
 -4339, -4346, -4349, -4356, -4359, -4366, -4368, -4374, -4490, -4496,
 -4508, -4511, -4518, -4519, -4520, -4521, -4522, -4734, -4736, -4737,
 -4738, -4746, -4750, -4753, -4769, -4770, -4771, -4772, -4773, &END

&ROUTE M=4,L=72,ONEWAY=F,H=45, ID='DADE2a (103rd)',
 RL=71,
 N= -2770, -2771, -2861, -2862, -2864, -2867, -2868, -2869, -3003,
 -3004, -3006, -3007, -4058, -4059, -4060, -4061, -4063, -4068, -4070,
 -4077, -4079, -4084, -4091, -4093, -4229, -4230, -4231, -3460,
 -4232, -4379,
 -4380, -4381, -4382, -4383, -4517, -4518, 0, -4773, &END

&ROUTE M=4,L=73,ONEWAY=F,H=45, ID='DADE2b (79th)',
 RL=72,
 N= -3004, 0, -4773, &END

&ROUTE M=4,L=74,ONEWAY=F,H=30, ID='LIBERTY1',
 N= -2867, -2868, -2869, -3003, -3004, -3006, -3007, -4058, -4059, -4060,
 -4061, -4063, -4068, -4070, -4077, -4210, -4211, -4212, -4213, -4214,
 -4216, -4350, -4351, -4352, -4353, -4354, -4356, -4359, -4366, -4368, -4374,
 -4377, -4378, -4511, -4518, -4519, -4520, -4521, -4522, -4734, -4736, -4737,
 -4738, -4746, -4750, -4753, -4769, -4770, -4771, -4772, -4773, &END

&ROUTE M=4,L=75,ONEWAY=F,H=30, ID='LIBERTY2 (17th)',
 RL=74,
 N= -2536, -2537, -2541, -2542, -2653, -2654, -2656, -2657, -2778, -2871,
 -2872, -2873, -3010, -3011, -3012, -3013, -4064, -4066, -4067, -4068, -4199,
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 -4203, -4204, -4206, -4208, -4209, -4216, -4217, -4218,
 -4224, -4227, -4232, -4379, -4380, -4381, -4382, -4383, -4517, -4518, 0,
 -4773, &END

&ROUTE M=4,L=76,ONEWAY=F,H=30,ID='LIBERTY3 (22nd)',
 RL=75,
 N= -2536,-3127,-2649,-2650,-3128,
 -2651,-2774,-2776,-2866,-2867,-2868,-2869,
 -3003,-3004,-3006,-3007,-4058,-4059,-4062,-4066, 0,-4773, &END

&ROUTE M=4,L=80,ONEWAY=F,H=30,ID='FANTASY1 (163rd)',
 N= -2333,-2332,-2331,-2327,-2324,-2318,-1885,-2313,-2311,-2312,
 -3212,-2441,-2442,
 -2443,-2564,-2565,-2691,-2692,-2693,-2690,-3204,-2265,
 -2687,-2797,-2798,-2799,
 -2800,-2893,-2894,-2896,-3050,-3051,-3052,-3053,-3054,-4100,-4102,
 -4103,-4104,-4241,-4242,-4243,-4392,-4393,-4394,-4552,-4553,
 -4554,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,-4820,-4821,
 -4822,-4823,-4824,-4826,-4827,-4828,-4812,-4808,-4793,-4776,-4752,
 &END

&ROUTE M=4,L=81,ONEWAY=F,H=60,ID='FANTASY2 (Aventura)',
 N= -2098,-2099,-2203,-2985,-2204,-2965,
 -2202,-2347,-2348,-2349,-2350,-2461,
 -2462,-2463,-2578,-2579,-2580,-2708,-2709,-2710,-2711,-2810,-3136,
 -2811,-2812,-3137,-2902,-2903,-3149,
 -2900,-3060,-3061,-3062,-3063,-3064,-3066,-4108,
 -4109,-4110,-4111,-4244,-4246,-4247,-4248,-4249,-4243,-4392,-4393,
 -4394,-4552,-4553,-4554,-4556,-4557,-4558,-4559,-4560,-4561,-4799,
 -4800,-4801,-4802,-4803,-4804,-4806,-4807,-4808,-5029,-5030,-5027,
 -5018, &END

&ROUTE M=4,L=82,ONEWAY=F,H=45,ID='FLORIDA1'
 RL=80,
 N= -2333, 0,-4554,-4556,-4557,-4558,-4559,-4560,-4561,-4799,
 -4800,-4801,-4802,-4822,-4823,-4824,-4826,-4827,-4828,-4812,-4808,
 -4793, &END

&ROUTE M=4,L=83,ONEWAY=F,H=15,ID='MIAMI1a',
 RL=80,
 N= -2333, 0,-4752, &END

&ROUTE M=4,L=85,ONEWAY=T,H=30,ID='MIAMI1c in',
 RL=80,
 N= -2098,-2099,-2203,-2985,-2204,-2965,
 -2202,-2347,-2348,-2349,-2350,-2461,-2462,
 -2463,-2578,-2579,-2580,-2708,-2709,-2706,-2703,-2702,-2701,-2698,
 -2696,-2693, 0,-4752, &END

&ROUTE M=4,L=86,ONEWAY=T,H=30,ID='MIAMI1c out',
 RL=85,
 N= -4752, 0,-2693,-2692,-2695,-2568,-2570,-2572,-2574,-2456,
 -2458,-2925,-2460,-2344,-2350, 0,-2098, &END

&ROUTE M=4,L=87,ONEWAY=F,H=30,ID='POWER1 (Aventura)',
 RL=81,
 N= -2098, 0,-4109,-4106,-4102,-4103,-4104,-4241,-4242,-4243,
 0,-4803,-4809,-4823,-4824,-4826,-4827,-4828,-4812,-4808,-4793,
 -4776,-4752, &END

&ROUTE M=4,L=89,ONEWAY=F,H=60,ID='POWER2 (NE2)',
 RL=80,
 N= -2800, 0,-4752, &END

&ROUTE M=4,L=90,ONEWAY=F,H=20,ID='CONCHITA 1',
 N= -2966,-2963,-2956,-2946,-2938,-2936,-2924,-2826,-2824,-2736,
 -2734,-2733,-2612,-2611,-2613,-2616,-2614,-2498,-2497,
 -2494,-2493,-2379,-2381,-2382,-2383,-2386,-2384, &END

&ROUTE M=4,L=91,ONEWAY=F,H=45,ID='MOAS (103rd)',

N= -2732,-2734,-2737,-2739,-2741,-2743,-2746,-2748,-2750,-2752,
 -2754,-2757,-2759,-2761,-2762,-2763,-2766,-2768,-2770,-2772,-2773,
 -2776,-2866,-2867,-2870,-2871,-2781,-2876,-2880,-2882,-3393,
 -2883,-2886,-2890,-2894, &END

&ROUTE M=4,L=92,ONEWAY=F,H=45,ID='METRO4',
 N= -4183,-3416,-4184,-4186,-4313,-4314,-4316,-4317,-4318,
 -4319,-4453,-4454,-3509,
 -4456,-4651,-4652,-4653,-4654,-4899,-4900,-4901,-5164,
 -2821,-5166,-5167,-5307,-5308,-5309,-5310,-5453,-5454, &END

&ROUTE M=4,L=93,ONEWAY=T,H=90,ID='UNKNOWN 3',
 N= -2761,-2762,-2763,-2766,-2768,-2770,-2772,-2773,-2776,-2777,
 -2778,-2780,-2784,-2786,-3388,-2787,-2788,-2791,-2794,-2889,-2890,
 -2891,-2892,-3042,-3043,-3044,-3046,-3047,-3048,-4096,-4097,
 -4098,-4234,-4236,-4230,-4228,-4222,-4219,-4212,-4211,-4210,
 -4077,-4079,-4084,-4091,-4093, 4098,-4099,-4104,-4103,-4102,
 -4100,-3054,-3053,-3052,-3059,-3063,-3062,-3061,-3058,-3051,-3049,
 3043,-3037,-3032,-3398,
 -3030,-3026,-3021,-3017,-3014,-3011,-3008,-3004,
 -3001,-2997,-2993,-2992,-2988,-2986,-2225,
 -2983,-2981,-2976,-2853,-2852,-2851,-2761, &END

COMPANY = 1, MODE = 4, LINES = 1-255

BOARDING FARES = (1,100)

TRANSFER FARES = (1-1,100)

1 1623 1628 4	0.56 20.0		
1 1661 6900 4	1.50 12.5	2	
1 1703 1702 46	0.21 12.5		
1 1704 1703 46	0.11 12.5		
1 1707 1704 46	0.26 12.5		
1 1709 1707 46	0.19 12.5		
1 1713 1709 46	0.13 25.0		4
1 1714 1713 46	0.09 12.5		
1 1719 1714 46	0.16 12.5		
1 1732 1719 46	0.12 12.5		
1 1732 1721 46	0.19 14.0	2	2
1 1732 1751 4	1.15 12.5		
1 1732 2299 4	2.20 12.5	2	
1 2007 2010 4	0.10 15.0	2	
1 2036 6901 4	1.50 25.0	2	
1 2069 2074 4	0.10 25.0	2	
1 2129 2131 46	0.50 22.0	2	4
1 2141 2144 4	0.50 20.0	2	4
1 2158 2162 46	0.50 22.0	2	4
1 2162 2169 46	0.60 20.0	2	4
1 2390 2392 4	0.50 20.0	2	4
1 2408 2416 4	0.50 25.0	2	3
1 2426 2429 4	0.22 25.0	2	3
1 2454 2453 4	0.47 12.0	2	
1 2556 2554 4	0.35 27.1		
1 2639 2760 4	0.40 19.0	2	
1 2643 2647 4	0.50 20.0	2	4
1 2653 2649 4	0.50 20.0	2	4
1 2724 2726 4	0.07 20.0	2	3
1 3039 3046 4	0.25 15.0		
1 3370 4226 46	7.31 45.0	2	
1 4471 4477 46	0.27 15.0	2	4
1 4483 4490 4	0.30 15.0	2	2
1 4564 4578 4	0.24 10.0	2	2
1 4721 4701 46	0.05 12.0		2
1 4735 4721 46	0.05 10.0		2
1 4738 4735 46	0.07 10.0		2
1 4982 4972 46	0.07 21.1		
1 4986 4982 46	0.04 30.0		
1 4996 4986 46	0.05 26.0		
1 5002 4996 46	0.05 26.0		
1 5012 5002 46	0.05 25.0		
1 5017 5018 46	0.02 20.0		1
1 5018 5012 46	0.04 25.0		
1 5027 5018 46	0.04 25.0		
1 5030 5027 46	0.04 25.0		
1 5031 5030 46	0.02 21.0		
1 5032 5031 46	0.02 21.0		
1 5033 5032 46	0.03 13.0		
1 5034 5033 46	0.01 13.0		
1 5036 5034 46	0.04 21.0		
1 5041 5030 46	0.03 25.0		
1 5043 5041 46	0.03 25.0		
1 5047 5043 46	0.05 25.0		
1 5049 5047 46	0.05 25.0		
1 5073 5218 4	1.00 25.0	2	4
1 5078 5081 4	0.45 25.0	2	4
1 5090 5098 4	0.50 20.0	2	4
1 5107 5111 4	0.51 15.0	2	
1 5112 5117 4	0.30 20.0	2	4
1 5193 5196 4	0.14 20.0	2	
1 5197 5196 46	0.21 15.0		2
1 5432 5530 4	0.50 13.0	2	
1 5506 5513 4	0.7 20.0	2	4
1 5512 5519 4	0.15 25.0	2	
1 5588 5586 46	0.53 35.0		

1 5604 5610 4	0.38 20.0	2	4
1 5653 5699 4	0.40 20.0	2	4
1 5770 5771 4	0.60 22.0	2	
1 5807 5837 4	1.2 25.0	2	4
1 6163 6164 4	0.47 28.0	2	4
1 6181 6136 4	0.40 28.0	2	4
1 6182 6191 4	1.33 28.0	2	4
1 6214 6216 4	0.81 28.0	2	4
1 4603 4867 4	0.60 25.0	2	4
1 5610 5607 4	0.60 25.0	2	4
1 2034 2018 4	1.85 25.0	2	4
1 2016 2018 4	3.00 25.0	2	4
1 5479 5473 4	1.17 15.0	2	4

1	1623	1628	4	0.56	20.0		
1	1661	6900	4	1.50	12.5	2	
1	1703	1702	46	0.21	12.5		
1	1704	1703	46	0.11	12.5		
1	1707	1704	46	0.26	12.5		
1	1709	1707	46	0.19	12.5		
1	1713	1709	46	0.13	25.0	4	
1	1714	1713	46	0.09	12.5		
1	1719	1714	46	0.16	12.5		
1	1732	1719	46	0.12	12.5		
1	1732	1721	46	0.19	14.0	2	2
1	1732	1751	4	1.15	12.5		
1	1732	2299	4	2.20	12.5	2	
1	2007	2010	4	0.10	15.0	2	
1	2036	6901	4	1.50	25.0	2	
1	2069	2074	4	0.10	25.0	2	
1	2129	2131	46	0.50	22.0	2	4
1	2141	2144	4	0.50	20.0	2	4
1	2158	2162	46	0.50	22.0	2	4
1	2162	2169	46	0.60	20.0	2	4
1	2390	2392	4	0.50	20.0	2	4
1	2408	2416	4	0.50	25.0	2	3
1	2426	2429	4	0.22	25.0	2	3
1	2454	2453	4	0.47	12.0	2	
1	2556	2554	4	0.35	27.1		
1	2639	2760	4	0.40	19.0	2	
1	2643	2647	4	0.50	20.0	2	4
1	2653	2649	4	0.50	20.0	2	4
1	2724	2726	4	0.07	20.0	2	3
1	3039	3046	4	0.25	15.0		
1	3370	4226	46	7.31	45.0	2	
1	4451	4448	4	0.52	12.0	2	
1	4471	4477	46	0.27	15.0	2	4
1	4483	4490	4	0.30	15.0	2	2
1	4564	4578	4	0.24	10.0	2	2
1	4721	4701	46	0.05	12.0	2	2
1	4735	4721	46	0.05	10.0	2	2
1	4738	4735	46	0.07	10.0	2	2
1	4938	5190	4	0.82	12.0	2	
1	4982	4972	46	0.07	21.1		
1	4986	4982	46	0.04	30.0		
1	4996	4986	46	0.05	26.0		
1	5002	4996	46	0.05	26.0		
1	5012	5002	46	0.05	25.0		
1	5017	5018	46	0.02	20.0		1
1	5018	5012	46	0.04	25.0		
1	5027	5018	46	0.04	25.0		
1	5030	5027	46	0.04	25.0		
1	5031	5030	46	0.02	21.0		
1	5032	5031	46	0.02	21.0		
1	5033	5032	46	0.03	13.0		
1	5034	5033	46	0.01	13.0		
1	5036	5034	46	0.04	21.0		
1	5041	5030	46	0.03	25.0		
1	5043	5041	46	0.03	25.0		
1	5047	5043	46	0.05	25.0		
1	5049	5047	46	0.05	25.0		
1	5073	5218	4	1.00	25.0	2	4
1	5078	5081	4	0.45	25.0	2	4
1	5090	5098	4	0.50	20.0	2	4
1	5107	5111	4	0.51	15.0	2	
1	5112	5117	4	0.30	20.0	2	4
1	5193	5196	4	0.14	20.0	2	
1	5197	5196	46	0.21	15.0	2	2
1	5301	5309	4	0.60	12.0	2	
1	5432	5530	4	0.50	13.0	2	

1	5506	5513	4	0.7	20.0	2	4
1	5512	5519	4	0.15	25.0	2	
1	5588	5586	46	0.53	35.0		
1	5604	5610	4	0.38	20.0	2	4
1	5653	5699	4	0.40	20.0	2	4
1	5770	5771	4	0.60	22.0	2	
1	5807	5837	4	1.2	25.0	2	4
1	6163	6164	4	0.47	28.0	2	4
1	6181	6136	4	0.40	28.0	2	4
1	6182	6191	4	1.33	28.0	2	4
1	6214	6216	4	0.81	28.0	2	4
1	4603	4867	4	0.60	25.0	2	4
1	5610	5607	4	0.60	25.0	2	4
1	2034	2018	4	1.85	25.0	2	4
1	2016	2018	4	3.00	25.0	2	4
1	5479	5473	4	1.17	16.0	2	4

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1	5610	5509	5	1.31	2.20	2	00000002
1	5509	5527	5	1.00	1.88	2	00000003
1	5527	5439	5	1.85	2.63	2	00000004
1	5439	5309	5	1.12	1.98	2	00000005
1	5309	5325	5	1.82	2.60	2	00000006
1	5325	5196	5	1.47	2.47	2	00000007
1	5196	4759	5	0.84	1.92	2	00000008
1	4759	4748	5	0.34	1.18	1	00000009
1	4748	4493	5	0.90	2.02	1	00000010
1	4493	4477	5	0.68	1.77	1	00000011
1	4477	4356	5	0.42	1.30	1	00000012
1	4356	4216	5	0.89	1.75	2	00000013
1	4216	4193	5	1.10	2.22	2	00000014
1	4193	4054	5	1.23	2.53	2	00000015
1	4054	4052	5	0.70	1.70	2	00000016
1	4052	2988	5	1.29	2.38	2	00000017
1	2988	2983	5	0.68	1.55	2	00000019
1	2983	2966	5	1.31	2.28	2	00000020
1	2966	2938	5	1.40	2.68	2	00000021
1	2938	2966	5	1.40	2.75	2	00000022
1	2966	2983	5	1.31	2.30	2	00000024
1	2983	2988	5	0.68	1.43	2	00000025
1	2988	4052	5	1.29	2.40	2	00000026
1	4052	4054	5	0.70	1.70	2	00000027
1	4054	4193	5	1.23	2.55	2	00000028
1	4193	4216	5	1.10	2.25	2	00000029
1	4216	4356	5	0.89	1.78	2	00000030
1	4356	4477	5	0.42	1.30	2	00000031
1	4477	4493	5	0.68	1.77	1	00000032
1	4493	4748	5	0.90	2.07	1	00000033
1	4748	4759	5	0.34	1.20	1	00000034
1	4759	5196	5	0.84	1.75	1	00000035
1	5196	5325	5	1.47	2.48	2	00000036
1	5325	5309	5	1.82	2.60	2	00000037
1	5309	5439	5	1.12	1.85	2	00000038
1	5439	5527	5	1.85	2.63	2	00000039
1	5527	5509	5	1.00	1.88	2	00000040
1	5509	5610	5	1.31	2.03	2	00000041
1	5610	5603	5	0.72	1.78	2	00000042

1	1890	1721	7	4.9	8.0	2	2
1	1721	2983	7	6.5	9.8	2	2
1	2983	4166	7	2.7	4.1	2	2

1 4759 4753 8	.23	1.48	0	1	00000080
1 4753 4787 8	.20	.95	0	1	00000081
1 4787 4804 8	.21	1.21	0	1	00000082
1 4804 4817 8	.13	.77	0	1	00000083
1 4817 4828 8	.32	1.56	0	1	00000084
1 4828 5024 8	.32	2.00	0	1	00000085
1 5024 5002 8	.23	1.41	0	1	00000086
1 5002 4759 8	.32	1.48	0	1	00000087
1 4759 5004 8	.41	2.20	0	1	00000088
1 5004 5024 8	.14	.68	0	1	00000089
1 5024 4828 8	.32	2.06	0	1	00000090
1 4828 4817 8	.32	1.51	0	1	00000091
1 4817 4804 8	.13	.75	0	1	00000092
1 4804 4787 8	.22	1.16	0	1	00000093
1 4787 4753 8	.19	.95	0	1	00000094
1 4753 4759 8	.24	1.20	0	1	00000095
1 4804 4800 8	.22	1.16	0	1	00000096
1 4560 4577 8	.20	1.10	0	1	00000099
1 4577 4566 8	.30	1.20	0	1	00000100
1 4566 4542 8	.20	0.90	0	1	00000101
1 4542 7001 8	.20	0.90	0	1	00000102
1 5346 5196 8	.40	1.30	0	2	00000114
1 5196 5198 8	.20	1.00	0	2	00000115
1 5198 5023 8	.10	0.90	0	2	00000116
1 5023 5025 8	.20	0.80	0	2	00000117
1 5025 5021 8	.10	0.80	0	2	00000118
1 5021 5024 8	.10	0.50	0	2	00000119

1	4759	4753	8	.23	1.48	0	1	00000080
1	4753	4787	8	.20	.95	0	1	00000081
1	4787	4804	8	.21	1.21	0	1	00000082
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1	4817	4828	8	.32	1.56	0	1	00000084
1	4828	5024	8	.32	2.00	0	1	00000085
1	5024	5002	8	.23	1.41	0	1	00000086
1	5002	4759	8	.32	1.48	0	1	00000087
1	4759	5004	8	.41	2.20	0	1	00000088
1	5004	5024	8	.14	.68	0	1	00000089
1	5024	4828	8	.32	2.06	0	1	00000090
1	4828	4817	8	.32	1.51	0	1	00000091
1	4817	4804	8	.13	.75	0	1	00000092
1	4804	4787	8	.22	1.16	0	1	00000093
1	4787	4753	8	.19	.95	0	1	00000094
1	4753	4759	8	.24	1.20	0	1	00000095
1	4804	4800	8	.22	1.16	0	1	00000096
1	4560	4577	8	.20	1.10	0	1	00000099
1	4577	4566	8	.30	1.20	0	1	00000100
1	4566	4542	8	.20	0.90	0	1	00000101
1	5346	5196	8	.40	1.30	0	2	00000114
1	5196	5198	8	.20	1.00	0	2	00000115
1	5198	5023	8	.10	0.90	0	2	00000116
1	5023	5025	8	.20	0.80	0	2	00000117
1	5025	5021	8	.10	0.80	0	2	00000118
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9	1507	52	S	0199S	0199
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87 2080	53	S	0199S	0199	118 6363	53	S	0199S	0199
88 2027	53	S	0199S	0199	119 3107	53	S	0199S	0199
88 2028	53	S	0199S	0199	119 3108	53	S	0199S	0199
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89 2077	53	S	0199S	0199	120 3105	53	S	0199S	0199
90 1994	53	S	0199S	0199	120 3106	53	S	0199S	0199
90 2022	53	S	0199S	0199	121 2154	53	S	0199S	0199
90 2024	53	S	0199S	0199	122 2062	53	S	0199S	0199
91 2019	53	S	0199S	0199	123 2156	53	S	0199S	0199
92 2021	53	S	0199S	0199	123 2159	53	S	0199S	0199
93 2069	53	S	0199S	0199	124 2057	53	S	0199S	0199
93 2074	53	S	0199S	0199	124 2061	53	S	0199S	0199
94 2077	53	S	0199S	0199	125 2011	53	S	0199S	0199
94 2079	53	S	0199S	0199	126 2010	53	S	0199S	0199
95 2184	53	S	0199S	0199	126 2013	53	S	0199S	0199
96 2183	53	S	0199S	0199	127 2007	53	S	0199S	0199
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98 2316	53	S	0199S	0199	130 6359	53	S	0199S	0199
99 2314	53	S	0199S	0199	131 2007	53	S	0199S	0199
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101 1750	53	S	0199S	0199	134 2050	53	S	0199S	0199
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102 2176	54	S	0199S	0199	135 2008	53	S	0199S	0199
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103 1993	53	S	0199S	0199	136 2008	53	S	0199S	0199
104 1993	53	S	0199S	0199	136 2130	53	S	0199S	0199
104 2173	53	S	0199S	0199	137 3111	53	S	0199S	0199
104 2178	53	S	0199S	0199	137 3112	53	S	0199S	0199
104 2878	53	S	0199S	0199	137 6354	53	S	0199S	0199
105 1992	53	S	0199S	0199	137 6365	53	S	0199S	0199
105 2071	53	S	0199S	0199	138 3109	53	S	0199S	0199
105 2073	53	S	0199S	0199	138 3110	53	S	0199S	0199
105 2878	53	S	0199S	0199	138 6364	53	S	0199S	0199
106 2819	53	S	0199S	0199	139 3090	53	S	0199S	0199
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6293	6334	35	S	0199S	0199
6294	6296	45	S	0199S	0199
6296	6297	45	S	0199S	0199
6297	6298	45	S	0199S	0199
6298	6299	33	S	0199S	0199
6299	6304	24	S	0299S	0299
6301	6302	34	S	0199S	0199
6302	6303	34	S	0199S	0199
6303	6304	34	S	0199S	0199
6304	6308	24	S	0299S	0299
6304	6337	34	S	0199S	0199
1 6306	1505	24	S	0299	0299
1 6307	1515	14	S	6745299	6745299
1 6307	6306	24	S	0299	0299
1 6308	6307	24	S	8699299	8699299
6308	6309	33	S	0199S	0199
6308	6339	24	S	0299S	0299
6309	6312	35	S	0199S	0199
6311	6312	45	S	0199S	0199
6312	6313	35	S	0299S	0299
6313	6316	35	S	0299S	0299
6316	6317	35	S	0299S	0299
6316	6347	45	S	0199S	0199
6317	6318	35	S	0299S	0299
6318	6321	35	S	0299S	0299
6321	6348	45	S	0199S	0199
6322	6324	35	S	0199S	0199
6323	6324	35	S	0199S	0199
6324	6326	45	S	0199S	0199
6324	6351	45	S	0199S	0199
6328	6329	35	S	0199S	0199
6328	6332	45	S	0199S	0199
6329	6331	35	S	0199S	0199
6331	6333	35	S	0199S	0199
6332	6334	45	S	0199S	0199
6333	6336	35	S	0199S	0199
6334	6336	35	S	0199S	0199
6337	6338	34	S	1007199S	1007199
6338	6341	34	S	0199S	0199
6339	6341	24	S	0299S	0299
6341	6342	25	S	0199S	0199
6341	6344	35	S	0199S	0199
6348	6349	45	S	0199S	0199
6351	6352	45	S	0199S	0199
1 6353	1623	33	S	0399	0399

1 PROMPT - vertical flag input, no prompting
MOBILE5a FDOT: Dade County - Miami Urban Area Study
1 TAMFLG - default tampering rates
1 SPDFLG - one speed per scenario
1 VMFLAG - default vmt mix
1 MYMFLG - default registration and mileage accrual rates
1 NEWFLG - default exhaust emission rates
1 IMFLAG - with I/M program
1 ALHFLG - no additional correction factor inputs
1 ATPFLG - with anti-tampering program
5 RLFLAG - no refueling losses, treated as stationary source
2 LOCFLG - read in local area parameters as one time
1 TEMFLG - calculate exhaust temperatures
4 OUTFMT - 80 column portrait output format
4 PRTFLG - print exhaust HC, CO and NOx emission factor results
1 IDLFLG - Calculate & print idle emissions results (when available)
3 NMHFLG - print VOCs
3 HCFLAG - print HC components
MIAMI FL C 69.3 91.2 9.2 7.8 92 LAP record
Scenario records
1 90 3.0 84. 20.6 27.3 20.6 7
1 90 6.0 84. 20.6 27.3 20.6 7
1 90 9.0 84. 20.6 27.3 20.6 7
1 90 12.0 84. 20.6 27.3 20.6 7
1 90 15.0 84. 20.6 27.3 20.6 7
1 90 18.0 84. 20.6 27.3 20.6 7
1 90 21.0 84. 20.6 27.3 20.6 7
1 90 24.0 84. 20.6 27.3 20.6 7
1 90 27.0 84. 20.6 27.3 20.6 7
1 90 30.0 84. 20.6 27.3 20.6 7
1 90 33.0 84. 20.6 27.3 20.6 7
1 90 36.0 84. 20.6 27.3 20.6 7
1 90 39.0 84. 20.6 27.3 20.6 7
1 90 42.0 84. 20.6 27.3 20.6 7
1 90 45.0 84. 20.6 27.3 20.6 7
1 90 48.0 84. 20.6 27.3 20.6 7
1 90 51.0 84. 20.6 27.3 20.6 7
1 90 54.0 84. 20.6 27.3 20.6 7
1 90 57.0 84. 20.6 27.3 20.6 7
1 90 60.0 84. 20.6 27.3 20.6 7
1 90 63.0 84. 20.6 27.3 20.6 7
1 90 65.0 84. 20.6 27.3 20.6 7

```

1      PROMPT - vertical flag input, no prompting
MOBILE5a FDOT: Dade County - Miami Urban Area Study
1      TAMFLG - default tampering rates
1      SPDFLG - one speed per scenario
1      VMFLAG - default vmt mix
1      MYMRFG - default registration and mileage accrual rates
1      NEWFLG - default exhaust emission rates
2      IMFLAG - with I/M program
1      ALHFLG - no additional correction factor inputs
2      ATPFLG - with anti-tampering program
5      RLFLAG - no refueling losses, treated as stationary source
2      LOCFLG - read in local area parameters as one time
1      TEMFLG - calculate exhaust temperatures
4      OUTPMT - 80 column portrait output format
4      PRTPFG - print exhaust HC, CO and NOx emission factor results
1      IDLFLG - Calculate & print idle emissions results (when available)
3      NMHFLG - print VOCs
3      HCFLAG - print HC components
91 26 75 20 00 00 100 1 1 2221 1 11      I&M Program Parameter
91 75 20 2221 11 100. 12111112          AT Program Parameters
MIAMI      FL C 69.3 91.2 9.2 7.8 92    LAP record
1 90 3.0 84. 20.6 27.3 20.6 7          Scenario records
1 90 6.0 84. 20.6 27.3 20.6 7
1 90 9.0 84. 20.6 27.3 20.6 7
1 90 12.0 84. 20.6 27.3 20.6 7
1 90 15.0 84. 20.6 27.3 20.6 7
1 90 18.0 84. 20.6 27.3 20.6 7
1 90 21.0 84. 20.6 27.3 20.6 7
1 90 24.0 84. 20.6 27.3 20.6 7
1 90 27.0 84. 20.6 27.3 20.6 7
1 90 30.0 84. 20.6 27.3 20.6 7
1 90 33.0 84. 20.6 27.3 20.6 7
1 90 36.0 84. 20.6 27.3 20.6 7
1 90 39.0 84. 20.6 27.3 20.6 7
1 90 42.0 84. 20.6 27.3 20.6 7
1 90 45.0 84. 20.6 27.3 20.6 7
1 90 48.0 84. 20.6 27.3 20.6 7
1 90 51.0 84. 20.6 27.3 20.6 7
1 90 54.0 84. 20.6 27.3 20.6 7
1 90 57.0 84. 20.6 27.3 20.6 7
1 90 60.0 84. 20.6 27.3 20.6 7
1 90 63.0 84. 20.6 27.3 20.6 7
1 90 65.0 84. 20.6 27.3 20.6 7

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*** SW 7/8TH STREET THRU BRICKELL TO CBD
&ROUTE M=3,ONEWAY=F,
N= 4900, 4901,-4903, 4902,-4907, 4908,-4913, 4914,-4917, 4918,
-4921, 4922,-4924, 4926,-4929, 4930,-4932, 4933,-4937, 4938,
-4940, 4941,-4944, 4946,-4963, 4964,-4978, 4979,-4992, 4993,
-5010, 5011,-4900, 4903, 4907, 4913, 4917, 4921, 4924, 4929,
4932, 4937, 4940, 4944, 4963, 4969, 4978, 4992, 5010, 5022,
5038,-4901, 4902, 4904, 4908, 4914, 4918, 4922, 4926, 4930,
4933, 4938, 4941, 4946, 4957, 4964, 4970, 4979, 4993, 5011,
5023, 5039,-5332, 5336, 5341, 5347, 5346, 5201, 5200, 5039,
5038, 5037,-5334, 5340, 5344, 5343, 5199, 5198, 5011,-5010,
5009,-5197, 5196, 4993,-4992, 4991,-5342, 5194, 5193, 4979,
-5192, 5342, 5344, 5347,-5192, 5194, 5197, 5199,
5201,-5183, 5182, 5179,
&END
*** FLAGLER CORRIDOR FROM LITTLE HAVANA TO RIVER ***
&ROUTE M=3,ONEWAY=F,
N= 4660, 4910, 4909,-4910, 4911,-4661, 4916,-4666, 4919,-4667,
4923,-4671, 4927,-4672, 4931,-4682, 4934,-4683, 4939,-4656,
4660, 4661, 4666, 4667, 4671,-4682, 4683, 4708,-4656, 4909,
4911, 4916, 4919, 4923, 4927, 4931, 4934, 4939, 4942,
&END
*** CORAL GABLES AREA ***
&ROUTE M=3,ONEWAY=F,
N= 5133, 5139, 5143, 5148, 5151, 5156,-5136, 5141, 5142, 5144,
5150, 5152, 5158, 5159,-5136, 5273,-5279, 5141,-5139, 5140,
5142, 5280,-5148, 5149, 5150, 5287,-5154, 5156, 5157, 5158,
5292,-5281, 5282,
&END
*** US 1/PONCE DE LEON CORRIDOR AND NEARBY AREAS ***
&ROUTE M=3,ONEWAY=F,
N= 5512, 5519,-5526, 5527,-5424, 5426, 3341, 5530,
-5429, 5433, 5431, 5429,-5433, 5438,-5439, 5296,
&END
*** DOWNTOWN SOUTH MIAMI, DADELAND, & EAST KENDALL AREAS ***
&ROUTE M=3,ONEWAY=F,
N= 5507, 5508, 5509, 5510, 5514, 5516, 5517, 5511, 5509,
-5598, 5599, 3637, 5600, 5601, 5608, 5609,-5607, 5608,
-5614, 5616,-5609, 5611,-5517, 5522,-5514, 5521,
&END
*** WEST KENDALL ***
&ROUTE M=3,ONEWAY=F,
N= 5463, 5550,-5553, 5557, 5559,-5556, 5557, 5558,
&END
*** US 1 CORRIDOR IN PERRINE ***
&ROUTE M=3,ONEWAY=F,
N= 5891, 5892, 5893, 5846, 5847,-5846, 5848, 5847,-5848, 5896,
5897, 5891,-5893, 5894, 5897, 5898,-5899, 5901,-5963, 5966,
&END
*** DEEP SOUTH DADE ***
&ROUTE M=3,ONEWAY=F,
N= 6092, 6093, 6096,-6094, 6138,-6312, 6313,-6303, 6304, 6337,
&END
*** SOUTH DADE MISCELLANEOUS ***
&ROUTE M=3,ONEWAY=F,
N= 5408, 3251, 5497, 3250, 5498,-5716, 5719,-5769, 5772,
-5822, 5774,-5877, 5875,-5939, 5941,
-5877, 5878, 5881,
&END
*** WEST DADE -SW 127 AVE & 16 ST AREA ***
&ROUTE M=3,ONEWAY=F,
N= 5066, 5070, 5071,-4842, 4843,
&END
*** MISCELLANEOUS NORTH DADE NEAR COUNTY LINE ***
&ROUTE M=3,ONEWAY=F,
N= 2126, 2814, 2049,-2068, 2070,-2088, 2089,-2350, 2349,

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&END
*** NORTHEAST: NORTH MIAMI, N MIAMI BEACH, MIAMI SHORES, ETC ***
&ROUTE M=3,ONEWAY=F,
N= 2672, 2671, 2676, 2679, 2680,-2689, 2690, 2693,-2692, 2693,
2694,-2696, 2698,-2809, 2811,
&END
*** HIALEAH, MIAMI SPRINGS, & MIAMI LAKES AREAS ***
&ROUTE M=3,ONEWAY=F,
N= 2963, 2966,-2964, 2967,-4011, 4018, 4024,-4012, 4019,-4015,
4020, 4021,-4023, 4154, 4153, 4158,-1898, 1899, 1896,
-2946, 2947,-2927, 2928,-2379, 2493,
&END
*** AIRPORT AREA ***
&ROUTE M=3,ONEWAY=F,
N= 4146, 4284,
&END
*** AIRPORT WEST/INDUSTRIAL AREA ***
&ROUTE M=3,ONEWAY=F,
N= 4300, 4302,-4259, 4123, 4122,-4121, 4123,
&END
*** NORTH MIAMI BEACH AND ENVIRONS ***
&ROUTE M=3,ONEWAY=F,
N= 2310, 2311,-2316, 2317,-2313, 2314, 2317,
-2329, 2330, 2331,-2337, 2338, 2339,-2342, 2343,
2344,
&END
*** 95TH STREET AND 32ND AVENUE NORTHWEST ***
&ROUTE M=3,ONEWAY=F,
N= 2858, 2859, 2860, 2862, 2861,
&END
*** WEST HIALEAH AREA ***
&ROUTE M=3,ONEWAY=F,
N= 2618, 2619,-2824, 2827, 2828,-2929, 2928,-2936, 2938,-4273,
4281,-4279, 4278, 4142,
&END
*** 79TH STREET ***
&ROUTE M=3,ONEWAY=F,
N= 3008, 3011, 3014, 3017, 3021, 3026, 3030, 3398, 3032,
3037, 3043,
3049, 3051, 3058, 3061, 3067, 3069,-3014, 3018, 3022, 3027,
3031, 3399, 3033, 3038, 3044, 3052, 3059, 3063, 3068, 3069,
-3017, 3018,-3021, 3022,-3026, 3027,
-3032, 3033, -3043, 3044,-3051, 3052,-3061, 3062, 3063,-3067,
3068,
&END
*** OPA LOCKA BLVD / 135TH STREET CORRIDOR ***
&ROUTE M=3,ONEWAY=F,
N= 2512, 2511,-2530, 2532, 2534, 2540, 2544, 2550, 2553, 3374,
2555,
-2531, 2533, 2536, 2537, 2541, 2543, 2546,-2854,
2856,-2559, 2560,-2530, 2531,-2534, 2536,-2540, 2541,
-2544, 2546,-2550, 2551,-2553, 2554,-2555, 2556,-2558, 2670,
-2560, 2678,
&END
*** MIAMI BEACH ***
&ROUTE M=3,ONEWAY=F,
N= 1633, 1634,-1633, 1631, 1632,-1628, 1629,-1621, 1623, 1626,
-1619, 1622, 1624,-1621, 1619,-1623, 1622,-1626, 1624,-1599,
1601, 1602, 1603, 1597,-1593, 1594,-1576, 1577, 1578, 1579,
-1546, 1549, 1552, 1554, 1561, 1562,-1546, 1547, 1551, 1553,
1557, 1558,-1541, 1542,-1536, 1537,-1533, 1534,-1531, 1532,
-1526, 1527, 1528, 1529,-1523, 1524,-1509, 1511, 1518, 1519,
1521,-1513, 1514,-1549, 1551, 1539,
1536, 3187, 1526, 1522, 1511,
1512, 1513,-1554, 1556, 1557, 1541, 1538, 1533, 1531, 1528,
1523, 1519,-1562, 1559, 1558, 1542, 1534, 1532, 1529, 1524,

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1521, 1517, 1516, 1514,
&END

*** TRANSFER LINKS ***

&ROUTE M=3,ONEWAY=F,

N= 4571, 4577, 4580, -5036, 5037, -4976, 4977, 4978, -4671, 4672,
4682, -1639, 1641, 1642, -1649, 1651, 1652, 1653, -1573, 1574,
-1566, 1577, -1578, 1581, 1591, -2396, 2397, 2398, 2399, 2403,
-4072, 4078, 4081, -4212, 4213, 4214, 4216, -4247, 4248, 4249,
-4356, 4477, -4656, 4654, 4899,
&END

*** CBD WALK LG (WITHOUT CENTROID CONNECTORS) ***

&ROUTE M=3,ONEWAY=F,

N= 4368, 4374, -4377, 4378, -4378, 4383,
-4383, 4384, -4490, 4496, -4491, 4492,
-4493, 4494, -4494, 4676, -4497, 4493, -4506, 4497,
-4506, 4507, -4507, 4687, -4511, 4518, -4512, 4519, -4513, 4514,
-4514, 4516, -4516, 4522, -4517, 4518, -4518, 4524, -4519, 4526,
-4520, 4521, -4521, 4514, -4521, 4522, -4522, 4528, -4522, 4734,
-4523, 4524, -4527, 4521, -4527, 4528, -4528, 4530, -4528, 4742,
-4529, 4527, -4529, 4530, -4530, 4538, -4532, 4533, -4533, 4534,
-4533, 4543, -4537, 4529, -4537, 4538, -4538, 4549, -4538, 4766,
-4540, 4550, -4541, 4540, -4542, 4541, -4542, 4551, -4543, 4542,
-4543, 4556, -4544, 4543, -4546, 4544, -4547, 4559, -4548, 4537,
-4548, 4546, -4549, 4548, -4549, 4561, -4550, 4552,
-4552, 4553, -4553, 4554, -4553, 4564, -4554, 4551,
-4554, 4556, -4556, 4557, -4556, 4562, -4557, 4544,
-4557, 4558, -4558, 4546, -4558, 4559, -4559, 4560, -4559, 4571,
-4560, 4548, -4560, 4561, -4561, 4573, -4562, 4567, -4563, 4557,
-4564, 4566, -4566, 4554, -4566, 4567, -4567, 4568,
-4567, 4574, -4568, 4563, -4568, 4569, -4569, 4558, -4569, 4571,
-4571, 4572, -4572, 4560, -4572, 4573, -4573, 4819, -4574, 4576,
-4574, 4578, -4576, 4568, -4576, 4577, -4578, 4566,
&END

&ROUTE M=3,ONEWAY=F,

N= 4579, 4578, -4580, 4576, -4677, 4676,
-4678, 4677, -4679, 4678, -4679, 4680,
-4679, 4684, -4686, 4690, -4686, 4691, -4687, 4688, -4688, 4689,
-4689, 4690, -4691, 4693, -4692, 4691, -4693, 4694, -4693, 4696,
-4694, 4704, -4696, 4697, -4698, 4699, -4698, 4718, -4699, 4700,
-4699, 4719, -4700, 4701, -4701, 4702, -4701, 4721, -4703, 4704,
-4704, 4706, -4704, 4726, -4706, 4707, -4707, 4696, -4707, 4708,
-4708, 4732, -4717, 4516, -4718, 4717, -4718, 4734, -4719, 4718,
-4719, 4736, -4720, 4700, -4720, 4719, -4721, 4720, -4721, 4735,
-4722, 4721, -4723, 4703, -4723, 4722, -4724, 4723, -4725, 4765,
-4726, 4724, -4726, 4725, -4729, 4707, -4729, 4708, -4730, 4725,
-4730, 4729, -4732, 4733, -4733, 4741, -4734, 4736, -4735, 4738,
-4736, 4737, -4736, 4743, -4737, 4720, -4737, 4738, -4738, 4745,
-4738, 4746, -4739, 4730, -4739, 4740, -4739, 4775, -4740, 4741,
-4741, 4747, -4741, 4972, -4742, 4743, -4743, 4744, -4744, 4737,
-4744, 4746, -4745, 4755, -4746, 4750, -4747, 4752,
-4749, 4744, -4750, 4753, -4751, 4739, -4751, 4752, -4751, 4760,
-4752, 4986, -4753, 4754, -4753, 4769, -4754, 4756, -4755, 4723,
-4755, 4765, -4756, 4757, -4756, 4761, -4757, 4758, -4757, 4785,
-4758, 4759, -4758, 4763, -4759, 4760, -4761, 4770, -4762, 4757,
&END

&ROUTE M=3,ONEWAY=F,

N= 4763, 4772, -4764, 4760, -4765, 4775, -4766, 4767,
-4767, 4768, -4768, 4749, -4768, 4769, -4769, 4770,
-4769, 4778, -4770, 4771, -4770, 4788, -4771, 4762, -4771, 4772,
-4772, 4773, -4772, 4781, -4773, 4764, -4773, 4774, -4774, 4776,
-4776, 4752, -4776, 5001, -4777, 4768, -4779, 4778,
-4779, 4787, -4780, 4771, -4781, 4790, -4782, 4773, -4783, 4549,
-4784, 4767, -4785, 4755, -4786, 4777, -4786, 4784,
-4787, 4786, -4787, 4802, -4788, 4787, -4789, 4780, -4789, 4788,
-4790, 4789, -4790, 4797, -4791, 4782, -4791, 4790, -4792, 4791,
-4793, 4776, -4793, 4792, -4794, 4786, -4796, 4789, -4797, 4806,

-4798, 4791, -4799, 4784, -4799, 4800, -4800, 4794,
-4800, 4801, -4801, 4802, -4802, 4803, -4802, 4822, -4803, 4804,
-4803, 4809, -4804, 4796, -4804, 4806, -4806, 4807, -4806, 4810,
-4807, 4798, -4807, 4808, -4808, 4793, -4808, 5029, -4809, 4823,
-4810, 4814, -4811, 4807, -4812, 4808, -4812, 4818, -4813, 4804,
-4814, 4826, -4816, 4814, -4817, 4811, -4817, 4816, -4818, 4817,
-4819, 4820, -4820, 4799, -4821, 4800, -4821, 4820,
-4822, 4821, -4822, 4829, -4823, 4822,
-4824, 4813, -4824, 4823, -4826, 4824,
-4827, 4817, -4827, 4826, -4828, 4812,
&END

&ROUTE M=3,ONEWAY=F,

N= 4828, 4827, -4829, 4821, -4829, 4830, -4830, 4831,
-4942, 4947, -4947, 4966, -4950, 4967, -4950, 4968, -4966, 4972,
-4967, 4973, -4968, 4974, -4968, 4976, -4972, 4973, -4972, 4982,
-4973, 4974, -4974, 4976, -4974, 4984, -4982, 4983, -4982, 4986,
-4983, 4973, -4983, 4984, -4984, 4998, -4986, 4987, -4986, 4996,
-4987, 4983, -4989, 5006, -4996, 5002, -4998, 5007, -4999, 4987,
-5000, 5020, -5001, 5002, -5002, 5003, -5002, 5012, -5003, 5004,
-5004, 4999, -5004, 5006, -5006, 5007, -5007, 5008, -5008, 5021,
-5012, 5018, -5013, 5004, -5017, 4793, -5018, 5017, -5018, 5027,
-5019, 5013, -5019, 5018, -5020, 5019, -5020, 5021, -5020, 5024,
-5033, 5024,
-5027, 5030, -5028, 5019, -5029, 5030, -5030, 5031, -5030, 5041,
-5031, 5032, -5032, 5028, -5032, 5033, -5033, 5034, -5034, 5035,
-5035, 5036,
-5036, 5046, -5041, 5043, -5042, 5032, -5043, 4812, -5043, 5047,
-5044, 5042, -5044, 5043, -5046, 5052, -5047, 5049, -5048, 5044,
-5049, 4828, -5049, 5050, -5050, 5048, -5050, 5053, -5051, 5050,
-5052, 5051,
&END

*** SW 7/8TH STREET THRU BRICKELL TO CBD
 &ROUTE M=3,ONEWAY=F,
 N= 4900, 4901,-4903, 4902,-4907, 4908,-4913, 4914,-4917, 4918,
 -4921, 4922,-4924, 4926,-4929, 4930,-4932, 4933,-4937, 4938,
 -4940, 4941,-4944, 4946,-4963, 4964,-4978, 4979,-4992, 4993,
 -5010, 5011,-4900, 4903, 4907, 4913, 4917, 4921, 4924, 4929,
 4932, 4937, 4940, 4944, 4963, 4969, 4978, 4992, 5010, 5022,
 5038,-4901, 4902, 4904, 4908, 4914, 4918, 4922, 4926, 4930,
 4933, 4938, 4941, 4946, 4957, 4964, 4970, 4979, 4993, 5011,
 5023, 5039,-5332, 5336, 5341, 5347, 5346, 5201, 5200, 5039,
 5038, 5037,-5334, 5340, 5344, 5343, 5199, 5198, 5011,-5010,
 5009,-5197, 5196, 4993,-4992, 4991,-5342, 5194, 5193, 4979,
 -5192, 5342, 5344, 5347,-5192, 5194, 5197, 5199,
 5201,-5183, 5182, 5179,
 &END

*** FLAGLER CORRIDOR FROM LITTLE HAVANA TO RIVER ***
 &ROUTE M=3,ONEWAY=F,
 N= 4660, 4910, 4909,-4910, 4911,-4661, 4916,-4666, 4919,-4667,
 4923,-4671, 4927,-4672, 4931,-4682, 4934,-4683, 4939,-4656,
 4660, 4661, 4666, 4667, 4671,-4682, 4683, 4708,-4656, 4909,
 4911, 4916, 4919, 4923, 4927, 4931, 4934, 4939, 4942,
 &END

*** CORAL GABLES AREA ***
 &ROUTE M=3,ONEWAY=F,
 N= 5133, 5139, 5143, 5148, 5151, 5156,-5136, 5141, 5142, 5144,
 5150, 5152, 5158, 5159,-5136, 5273,-5279, 5141,-5139, 5140,
 5142, 5280,-5148, 5149, 5150, 5287,-5154, 5156, 5157, 5158,
 5292,-5281, 5282,
 &END

*** US 1/PONCE DE LEON CORRIDOR AND NEARBY AREAS ***
 &ROUTE M=3,ONEWAY=F,
 N= 5512, 5519,-5526, 5527,-5424, 5426, 3341, 5530,
 -5429, 5433, 5431, 5429,-5433, 5438,-5439, 5296,
 &END

*** DOWNTOWN SOUTH MIAMI, DADELAND, & EAST KENDALL AREAS ***
 &ROUTE M=3,ONEWAY=F,
 N= 5507, 5508, 5509, 5510, 5514, 5516, 5517, 5511, 5509,
 -5598, 5599, 3637, 5600, 5601, 5608, 5609,-5607, 5608,
 -5614, 5616,-5609, 5611,-5517, 5522,-5514, 5521,
 &END

*** WEST KENDALL ***
 &ROUTE M=3,ONEWAY=F,
 N= 5463, 5550,-5553, 5557, 5559,-5556, 5557, 5558,
 &END

*** US 1 CORRIDOR IN PERRINE ***
 &ROUTE M=3,ONEWAY=F,
 N= 5891, 5892, 5893, 5846, 5847,-5846, 5848, 5847,-5848, 5896,
 5897, 5891,-5893, 5894, 5897, 5898,-5899, 5901,-5963, 5966,
 &END

*** DEEP SOUTH DADE ***
 &ROUTE M=3,ONEWAY=F,
 N= 6092, 6093, 6096,-6094, 6138,-6312, 6313,-6303, 6304, 6337,
 &END

*** SOUTH DADE MISCELLANEOUS ***
 &ROUTE M=3,ONEWAY=F,
 N= 5408, 3251, 5497, 3250, 5498,-5716, 5719,-5769, 5772,
 -5822, 5774,-5877, 5875,-5939, 5941,
 -5877, 5878, 5881,
 &END

*** WEST DADE -SW 127 AVE & 16 ST AREA ***
 &ROUTE M=3,ONEWAY=F,
 N= 5066, 5070, 5071,-4842, 4843,
 &END

*** MISCELLANEOUS NORTH DADE NEAR COUNTY LINE ***
 &ROUTE M=3,ONEWAY=F,
 N= 2126, 2814, 2049,-2068, 2070,-2088, 2089,-2350, 2349,

&END

*** NORTHEAST: NORTH MIAMI, N MIAMI BEACH, MIAMI SHORES, ETC ***
 &ROUTE M=3,ONEWAY=F,
 N= 2672, 2671, 2676, 2679, 2680,-2689, 2690, 2693,-2692, 2693,
 2694,-2696, 2698,-2809, 2811,
 &END

*** HIALEAH, MIAMI SPRINGS, & MIAMI LAKES AREAS ***
 &ROUTE M=3,ONEWAY=F,
 N= 2963, 2966,-2964, 2967,-4011, 4018, 4024,-4012, 4019,-4015,
 4020, 4021,-4023, 4154, 4153, 4158,-1898, 1899, 1896,
 -2946, 2947,-2927, 2928,-2379, 2493,
 &END

*** AIRPORT AREA ***
 &ROUTE M=3,ONEWAY=F,
 N= 4146, 4284,
 &END

*** AIRPORT WEST/INDUSTRIAL AREA ***
 &ROUTE M=3,ONEWAY=F,
 N= 4300, 4302,-4259, 4123, 4122,-4121, 4123,
 &END

*** NORTH MIAMI BEACH AND ENVIRONS ***
 &ROUTE M=3,ONEWAY=F,
 N= 2310, 2311,-2316, 2317,-2313, 2314, 2317,
 -2329, 2330, 2331,-2337, 2338, 2339,-2342, 2343,
 2344,
 &END

*** 95TH STREET AND 32ND AVENUE NORTHWEST ***
 &ROUTE M=3,ONEWAY=F,
 N= 2858, 2859, 2860, 2862, 2861,
 &END

*** WEST HIALEAH AREA ***
 &ROUTE M=3,ONEWAY=F,
 N= 2618, 2619,-2824, 2827, 2828,-2929, 2928,-2936, 2938,-4273,
 4281,-4279, 4278, 4142,
 &END

*** 79TH STREET ***
 &ROUTE M=3,ONEWAY=F,
 N= 3008, 3011, 3014, 3017, 3021, 3026, 3030, 3398, 3032,
 3037, 3043,
 3049, 3051, 3058, 3061, 3067, 3069,-3014, 3018, 3022, 3027,
 3031, 3399, 3033, 3038, 3044, 3052, 3059, 3063, 3068, 3069,
 -3017, 3018,-3021, 3022,-3026, 3027,
 -3032, 3033, -3043, 3044,-3051, 3052,-3061, 3062, 3063,-3067,
 3068,
 &END

*** OPA LOCKA BLVD / 135TH STREET CORRIDOR ***
 &ROUTE M=3,ONEWAY=F,
 N= 2512, 2511,-2530, 2532, 2534, 2540, 2544, 2550, 2553, 3374,
 2555,
 -2531, 2533, 2536, 2537, 2541, 2543, 2546,-2854,
 2856,-2559, 2560,-2530, 2531,-2534, 2536,-2540, 2541,
 -2544, 2546,-2550, 2551,-2553, 2554,-2555, 2556,-2558, 2670,
 -2560, 2678,
 &END

*** MIAMI BEACH ***
 &ROUTE M=3,ONEWAY=F,
 N= 1633, 1634,-1633, 1631, 1632,-1628, 1629,-1621, 1623, 1626,
 -1619, 1622, 1624,-1621, 1619,-1623, 1622,-1626, 1624,-1599,
 1601, 1602, 1603, 1597,-1593, 1594,-1576, 1577, 1578, 1579,
 -1546, 1549, 1552, 1554, 1561, 1562,-1546, 1547, 1551, 1553,
 1557, 1558,-1541, 1542,-1536, 1537,-1533, 1534,-1531, 1532,
 -1526, 1527, 1528, 1529,-1523, 1524,-1509, 1511, 1518, 1519,
 1521,-1513, 1514,-1549, 1551, 1539,
 1536, 3187, 1526, 1522, 1511,
 1512, 1513,-1554, 1556, 1557, 1541, 1538, 1533, 1531, 1528,
 1523, 1519,-1562, 1559, 1558, 1542, 1534, 1532, 1529, 1524,

1521, 1517, 1516, 1514,
&END

*** TRANSFER LINKS ***

&ROUTE M=3,ONEWAY=F,

N= 4571, 4577, 4580, -5036, 5037, -4976, 4977, 4978, -4671, 4672,
4682, -1639, 1641, 1642, -1649, 1651, 1652, 1653, -1573, 1574,
-1566, 1577, -1578, 1581, 1591, -2396, 2397, 2398, 2399, 2403,
-4072, 4078, 4081, -4212, 4213, 4214, 4216, -4247, 4248, 4249,
-4356, 4477, -4656, 4654, 4899,
&END

*** CBD WALK LG (WITHOUT CENTROID CONNECTORS) ***

&ROUTE M=3,ONEWAY=F,

N= 4368, 4374, -4377, 4378, -4378, 4383,
-4383, 4384, -4490, 4496, -4491, 4492,
-4493, 4494, -4494, 4676, -4497, 4493, -4506, 4497,
-4506, 4507, -4507, 4687, -4511, 4518, -4512, 4519, -4513, 4514,
-4514, 4516, -4516, 4522, -4517, 4518, -4518, 4524, -4519, 4526,
-4520, 4521, -4521, 4514, -4521, 4522, -4522, 4528, -4522, 4734,
-4523, 4524, -4527, 4521, -4527, 4528, -4528, 4530, -4528, 4742,
-4529, 4527, -4529, 4530, -4530, 4538, -4532, 4533, -4533, 4534,
-4533, 4543, -4537, 4529, -4537, 4538, -4538, 4549, -4538, 4766,
-4540, 4550, -4541, 4540, -4542, 4541, -4542, 4551, -4543, 4542,
-4543, 4556, -4544, 4543, -4546, 4544, -4547, 4559, -4548, 4537,
-4548, 4546, -4549, 4548, -4549, 4561, -4550, 4552,
-4552, 4553, -4553, 4554, -4553, 4564, -4554, 4551,
-4554, 4556, -4556, 4557, -4556, 4562, -4557, 4544,
-4557, 4558, -4558, 4546, -4558, 4559, -4559, 4560, -4559, 4571,
-4560, 4548, -4560, 4561, -4561, 4573, -4562, 4567, -4563, 4557,
-4564, 4566, -4566, 4554, -4566, 4567, -4567, 4568,
-4567, 4574, -4568, 4563, -4568, 4569, -4569, 4558, -4569, 4571,
-4571, 4572, -4572, 4560, -4572, 4573, -4573, 4819, -4574, 4576,
-4574, 4578, -4576, 4568, -4576, 4577, -4578, 4566,
&END

&ROUTE M=3,ONEWAY=F,

N= 4579, 4578, -4580, 4576, -4677, 4676,
-4678, 4677, -4679, 4678, -4679, 4680,
-4679, 4684, -4686, 4690, -4686, 4691, -4687, 4688, -4688, 4689,
-4689, 4690, -4691, 4693, -4692, 4691, -4693, 4694, -4693, 4696,
-4694, 4704, -4696, 4697, -4698, 4699, -4698, 4718, -4699, 4700,
-4699, 4719, -4700, 4701, -4701, 4702, -4701, 4721, -4703, 4704,
-4704, 4706, -4704, 4726, -4706, 4707, -4707, 4696, -4707, 4708,
-4708, 4732, -4717, 4516, -4718, 4717, -4718, 4734, -4719, 4718,
-4719, 4736, -4720, 4700, -4720, 4719, -4721, 4720, -4721, 4735,
-4722, 4721, -4723, 4703, -4723, 4722, -4724, 4723, -4725, 4765,
-4726, 4724, -4726, 4725, -4729, 4707, -4729, 4708, -4730, 4725,
-4730, 4729, -4732, 4733, -4733, 4741, -4734, 4736, -4735, 4738,
-4736, 4737, -4736, 4743, -4737, 4720, -4737, 4738, -4738, 4745,
-4738, 4746, -4739, 4730, -4739, 4740, -4739, 4775, -4740, 4741,
-4741, 4747, -4741, 4972, -4742, 4743, -4743, 4744, -4744, 4737,
-4744, 4746, -4745, 4755, -4746, 4750, -4747, 4752,
-4749, 4744, -4750, 4753, -4751, 4739, -4751, 4752, -4751, 4760,
-4752, 4986, -4753, 4754, -4753, 4769, -4754, 4756, -4755, 4723,
-4755, 4765, -4756, 4757, -4756, 4761, -4757, 4758, -4757, 4785,
-4758, 4759, -4758, 4763, -4759, 4760, -4761, 4770, -4762, 4757,
&END

&ROUTE M=3,ONEWAY=F,

N= 4763, 4772, -4764, 4760, -4765, 4775, -4766, 4767,
-4767, 4768, -4768, 4749, -4768, 4769, -4769, 4770,
-4769, 4778, -4770, 4771, -4770, 4788, -4771, 4762, -4771, 4772,
-4772, 4773, -4772, 4781, -4773, 4764, -4773, 4774, -4774, 4776,
-4776, 4752, -4776, 5001, -4777, 4768, -4779, 4778,
-4779, 4787, -4780, 4771, -4781, 4790, -4782, 4773, -4783, 4549,
-4784, 4767, -4785, 4755, -4786, 4777, -4786, 4784,
-4787, 4786, -4787, 4802, -4788, 4787, -4789, 4780, -4789, 4788,
-4790, 4789, -4790, 4797, -4791, 4782, -4791, 4790, -4792, 4791,
-4793, 4776, -4793, 4792, -4794, 4786, -4796, 4789, -4797, 4806,
&END

-4798, 4791, -4799, 4784, -4799, 4800, -4800, 4794,
-4800, 4801, -4801, 4802, -4802, 4803, -4802, 4822, -4803, 4804,
-4803, 4809, -4804, 4796, -4804, 4806, -4806, 4807, -4806, 4810,
-4807, 4798, -4807, 4808, -4808, 4793, -4808, 5029, -4809, 4823,
-4810, 4814, -4811, 4807, -4812, 4808, -4812, 4818, -4813, 4804,
-4814, 4826, -4816, 4814, -4817, 4811, -4817, 4816, -4818, 4817,
-4819, 4820, -4820, 4799, -4821, 4800, -4821, 4820,
-4822, 4821, -4822, 4829, -4823, 4822,
-4824, 4813, -4824, 4823, -4826, 4824,
-4827, 4817, -4827, 4826, -4828, 4812,
&END

&ROUTE M=3,ONEWAY=F,

N= 4828, 4827, -4829, 4821, -4829, 4830, -4830, 4831,
-4942, 4947, -4947, 4966, -4950, 4967, -4950, 4968, -4966, 4972,
-4967, 4973, -4968, 4974, -4968, 4976, -4972, 4973, -4972, 4982,
-4973, 4974, -4974, 4976, -4974, 4984, -4982, 4983, -4982, 4986,
-4983, 4973, -4983, 4984, -4984, 4998, -4986, 4987, -4986, 4996,
-4987, 4983, -4989, 5006, -4996, 5002, -4998, 5007, -4999, 4987,
-5000, 5020, -5001, 5002, -5002, 5003, -5002, 5012, -5003, 5004,
-5004, 4999, -5004, 5006, -5006, 5007, -5007, 5008, -5008, 5021,
-5012, 5018, -5013, 5004, -5017, 4793, -5018, 5017, -5018, 5027,
-5019, 5013, -5019, 5018, -5020, 5019, -5020, 5021, -5020, 5024,
-5033, 5024,
-5027, 5030, -5028, 5019, -5029, 5030, -5030, 5031, -5030, 5041,
-5031, 5032, -5032, 5028, -5032, 5033, -5033, 5034, -5034, 5035,
-5035, 5036,
-5036, 5046, -5041, 5043, -5042, 5032, -5043, 4812, -5043, 5047,
-5044, 5042, -5044, 5043, -5046, 5052, -5047, 5049, -5048, 5044,
-5049, 4828, -5049, 5050, -5050, 5048, -5050, 5053, -5051, 5050,
-5052, 5051,
&END

NOVEMBER 1989 PK TNET
AM/PK VALIDATION TRANSIT NETWORK

CORRESPONDS TO VAX XXXXXXXXXX

MODIFIED:

- 1) TO REALIGN ROUTES TO CONFIGURATION WITH THE NOVEMBER 1989 LINEUP, ROTARY & VEH ASSN SHTS;
- 2) TO RECODE ROUTES TO COMPENSATE FOR LACK OF INTERLINING IN THE TRANPLAN PACKAGE:
 - A) ALL LOCAL ROUTES NOW ONEWAY=F;
 - B) ROUTES NOW TRAVERSE 1-WAY STREETS IN BOTH DIRECTIONS, REQUIRING NEW AM AND MD OPTLINKS FILES, AS BUS SPEEDS DIFFER ALONG THE SAME LINKS IN EACH PERIOD;
 - C) CBD SECTIONS AND OTHER SIMILAR AREAS DO NOT LOOP/LOLIPOP BUT GENERALLY HOOK.
- 3) TO INCORPORATE NEW TOLL LINKS OBTAINED FROM G/F
- 4) TO INCORPORATE NEW I-95 OPTLNK BETWEEN NW 151 ST AND NW 46 ST AS DIAMOND LANE FOR 95X EXPR BUSES.

***** METROBUS ROUTE A *****

&ROUTE M=4,L=1, ID='RTE A:MIAMI BCH ->OT STA', ONEWAY=F,
RG=1,
H=30.0,

N= -1557,-1553,-1551,-1549,-1546,-1544,-1543, 3973, 1985, 1944,
-4579,-4578,-4566,-4554,-4551, 4542,-4541, 4542, 4543, 4533,
-4534,-4537,-4538,-4766,-4767,-4768, 4749,-4748,

&END

***** METROBUS ROUTE B *****

&ROUTE M=4,L=3, ID='RTE B: CBD ->KEY BISC ', ONEWAY=F,
RG=3,
H=22.0,

N= -4741, 4747, 4752,-4986, 4996, 5002, 5012,-5018, 5027, 5030,
5031,-5032, 5033,-5034,-5045, 5034,-5035,
-5036,-5037,-5038,-5039,-5200,-5201, 5199,-5197,-5196,-4993,
-4979,-5193,-5194, 5197,-5199, 5201,-5346,-5347,-5341,-5336,
5332, 3972, 1984, 1943, 1942, 5337,
-5338,-5348,-5349,-5350,-5351,-5352,-5353,-5354,-5356,

&END

***** METROBUS ROUTE C *****

&ROUTE M=4,L=5, ID='RTE C:MT SINAI HOSP->CBD', ONEWAY=F,
RG=5,
H=20.0,

N= -1573,-1574,-1576,-1577,-1578,-1579,-1571,-1568,-1562,-1559,
-1558,-1557,-1541,-1538,-1533,-1531,-1528,-1523,-1519,-1518,
-1511,-1509,-1508,-1507,-1506,-1504,-1503, 4580, 4576,-4574,
4578,-4566,-4567, 4568,-4569,-4571,-4572,-4573,-4819,-4820,
-4821,-4822,-4823, 4824, 4826,-4827,-4828, 5049, 5050, 5048,
5044, 5042,-5032, 5028, 5019, 5013, 5004, 4999, 4987, 4983,

&END

***** METROBUS ROUTE D *****

&ROUTE M=4,L=8, ID='RTE D: CBD->DIPLOMAT MALL', ONEWAY=F,
RG=8,
H=30.0,

N= -1514, 1513,-1512,-1511,-1522,-1526, 3187,-1536,-1539,-1551,
-1553,
-1557,-1541,-1542,-1558,-1559,-1562,-1568,-1571,-1579,-1581,
-1591,-1596,-1597,-1603,-1606,-1624,-1626,-1629,-1632,-1634,
-1639,-1641,-1642,-1643,-1644,-1646,-1649, 1651,-1648,-1651,
-1652,-1653,-2975,-1654,-1657,-1658,-1659,-1661,-6900,

&END

***** METROBUS ROUTE E *****

&ROUTE M=4,L=9, ID='RTE E: GOLDBCH-GG (AVEN) ', ONEWAY=F,
RG=9,
H=60.0,

N= -2093,-2097,-2098, 2099, 2203,-2915,-2203,-2099, 2098,-2100,
-2101, 2102,-3217,-2913,-2207,-1656,-1657,-1658,-1659, 1658,
1657,-1654,-2975,-1653,-1652,-1651,-1648,-2358, 2357,-2356,
-2357,-2354,-2353,-2352,-2351,-2350,-2344,-2340,-2339,-2865,
-3206,-2333,-2332,-2331,-2330,-2329,-2326,-2322,-2323,-2324,
-2318,-1885,-2313,-2311,-2309,-2308,-2306,-1751, 1752,-2428,
-3218,-2429,-2436,-2438,-2430,-2426,-3372, 2424,-2421,-3055,
-1724, 1728,-1732,

&END

***** METROBUS ROUTE F *****

&ROUTE M=4,L=13, ID='RTE F: NW22AV&23-LINC RD ', ONEWAY=F,
RG=13,
H=20.0,

N= -4326,-4327,-4458,-4459,-4463,-4466,-4472,-4474,-4478,-4477,
-4356,-4359,-4366,-4483,-4490,-4496, 4508,-4511,-4512, 4519,
4526, 4533,-4543, 4556, 4562,-4567, 4574, 4576, 4580,-1503,
-1504,-1506,-1507,-1508,-1509,-1511,-1522,-1526,-3187,
-1536,-1539,-1551,-1553,-1557,

&END

***** METROBUS ROUTE G *****

&ROUTE M=4,L=15, ID='RTE G: OPLKA-MB CONV CTR', ONEWAY=F,
RG=15,
H=30.0,

N= -2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,-2413,
-2534,-2536,-2537,-2541,-2542,-2653,-2654,-2656,-2658,-2660,
2662,-2666,-2664,-2663, 2667,-3380,-2671,
-2676,-2679,-2684,-2689,-6357,
-2690,-2693,-2696,-2698,-2701,-2702,-2703,-2706,-2709,-2712,
-2713,-2714,-1982,-1947, 3974,-1636,-1637, 1638,
-1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1597,-1596,
-1591,-1581,-1579,-1571,-1568,-1562,-1559,-1558,-1557,-1553,
-1551,

&END

&ROUTE M=4,L=17, ID='RTE G:OPLKA- BAL HBR ', ONEWAY=F, RG=15, H=35.0, RL=15, N= -2523,-2526, 0, 1638,-1639, &END

***** METROBUS ROUTE H *****

&ROUTE M=4,L=21, ID='RTE H:SKY LAKE->SO BEACH', ONEWAY=F, RG=21, H=15.0, N= -2071,-2072,-2173,-2174,-2178,-2179,-2182,-3360,-2184,-2187,-2189,-2190,-2194,-2193, 2194,-2196,-2336,-2334,-2328,-2329,-2326,-2322,-2323,-2324,-2327,-2331,-2332,-2333,-3206,-2865,-2339,-2340,-2344,-2350,-2351,-2352,-2353,-2354,-2357,-2358,-1648,-1651,-1649,-1646,-1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,-1568,-1562,-1559,-1558,-1557,-1553, 1557,-1541,-1538,-1533,-1531,-1528,-1523,-1519,-1521,-1517,-1516,-1514, &END

***** METROBUS ROUTE J *****

&ROUTE M=4,L=23, ID='RTE J:NORMNDY ISL-DR STA', ONEWAY=F, RG=23, H=20.0, N= -1627,-1628,-6353,-1623, 1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579, 1571, 1569, 1578,-1577,-1576,-1574, 1572,-3457, 4250,-3459,-4249,-4243,-4239,-4233,-4232,-4227,-4224,-4218,-4360, 4218,-4217,-4216,-4209,-4208,-4206,-4204,-4198,-4196,-4188,-4186,-4179,-4177,-4172,-4168,-1916, 1912,-1909, 1901, 1900,-1897,-1896,-1899,-1900, 1902,-1904,-4290, 4291,-4288,-4291,-4441,-4442,-3529,-4443,-3532,-3522,-4629,-4630,-4631,-4632,-4884,-4886,-5137,-5138,-5139,-5143,-5148,-5149,-5150,-5144,-5142,-5280,-5281,-5282,-5283,-5284,-5286,-5290,-5291,-5296,-5439, &END

***** METROBUS ROUTE K *****

&ROUTE M=4,L=25, ID='RTE K:BAL HARBOR - CBD', ONEWAY=F, RG=25, H=20.0, N= -1643,-1642,-1641,-1638,-1639,-1634,-1632,-1629, 1628,-1627, 1628, 1629,-1626,-1624,-1606,-1603,-1602,-1601,-1599,-1593,-1589,-1587,-1582,-1577,-1566,-1561,-1554,-1556,-1557,-1541,-1538,-1533,-1531,-1528,-1523,-1519,-1518,-1511, 1509,-1508,-1507,-1506,-1504,-1503, 4580, 4576,-4574,-4567,-4568,-4563,-4557,-4544, 4546,-4548,-4549,-4783,-4784,-4786,-4787,-4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018, 5012, 5002, 4996,-4986,-4982,-4972, &END

***** METROBUS ROUTE L *****

&ROUTE M=4,L=29, ID='RTE L:HL (TRACK)-MBCC', ONEWAY=F, RG=29, H=30.0, N= -2842,-2844,-2849,-2969,-2974,-2976,-2981,-2983,-2225,-2986,-2988,-2992,-2993,-2997,-3001,-3004,-3008,-3011,-3014,-3018,-3022,-3027, 3031,-3399,-3033,-3038,-3044,-3052,-3059,-3063,-3068, 3069,-1608,-1609,-1611,-1612,-1614,-1617,-1618,-1619,-1622,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,-1568,-1562,-1559,-1558,-1542,-1541,-1557,-1553, &END

&ROUTE M=4,L=31, ID='RTE L: AMTRAK-CONV CTR ', ONEWAY=F, RG=29, H=30.0, RL=29, N= -2983, 0,-1553, &END

***** METROBUS ROUTE M *****

&ROUTE M=4,L=33, ID='RTE L:AMTRAK-NORMNDY ISL', ONEWAY=F, RG=33, H=15.0, RL=29, N= -2983, 0,-1622,-1624,-1626, &END

***** METROBUS ROUTE R *****

&ROUTE M=4,L=39, ID='RTE R:BISC PNT-SO BEACH ', ONEWAY=F, RG=39, H=60.0, N= -1633, 1634, 1632,-1631, 1628,-1627,-1628,-1623,-1621, 1619, 1618, 1617, 1614,-1612,-1614,-1617,-1618,-1619,-1622,-1607,-1604,-1602,-1601,-1599,-1598,-1592,-1588,-1583,-1584, 1583,-1573,-1574,-1563,-1564,-1548,-1549,-1551,-1553, 1551,-1539,-1536,-3187,-1526,-1522,-1511,-1512,-1513, &END

***** METROBUS ROUTE S *****

&ROUTE M=4,L=43, ID='RTE S: CBD-195ST & COLLINS', ONEWAY=F, RG=43, H=15.0, N= -4982,-4986, 4996, 5002, 5012, 5018, 5017,-4793, 4792, 4791,-4790, 4789,-4788,-4787, 4786,-4784,-4783, 4549,-4548, 4546,-4544,-4557, 4563,-4568, 4576, 4580,-1503,-1504,-1506,-1507,-1508,-1509,-1511,-1522,-1526,-3187,-1536,-1539,-1551,-1553,-1557,-1541,-1542,-1558,-1559,-1562,-1568,-1571,-1579,-1581,-1591,-1596,-1597,-1603,-1606,-1624,-1626,-1629,-1632,-1634,-1639,-1641,-1642,-1643,-1644,-1646,-1649,-1651,-1652,-1653,-2975,-1654,-1657,-1658, 1657,-1656,-2207,-2913,-3217,-2102,-2101,-2100,-2098, &END

***** METROBUS ROUTE T *****

&ROUTE M=4,L=47, ID='RTE T: HAULOVER - CBD ', ONEWAY=F, RG=47, H=20.0, N= -1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581, 1579,-1578,-1577,-1576,-1574, 1572,-3457, 4250,-3459,-4249,-4396,-4397,-4398,-4399,-4564,-4566, 4567, 4562,-4556, 4543,-4544, 4546, 4548,-4549,-4783,-4784, &END

4786,-4787,-4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018, 5012, 5002, 4996,-4986,-4982,

&END

***** METROBUS ROUTE V *****

&ROUTE M=4,L=49, ID='RTE V:DIPLOMAT->G GLADES', ONEWAY=F,

RG=49, H=60.0,

N= -2018,-2016,-1661,-1659,-1658,-1657,-1654,-2975,-1653,-1652,-1651,-1648,-2358,-2357,-2356, 2357,-2354,-2353,-2352,-2351,-2350,-2344,-2340, 2339,-2338,-2337,-2336,-2341,-2346,-2347,-2202,-2965,-2204,-2200,-2198,-2197,-2194,-2190,-2191,-2192,-2328, 2329,-2330,-2331,-2327, 2324,-2323,-2324,-2318,-1885,-2313,-2311,-2309,-2308,-2306,-1751,-1750, 1751, 1752,-2428,-3218,-2429,-2426,-3372, 2424,-2421,3055,-1724, 1728,-1732,

&END

***** METROBUS ROUTE W *****

&ROUTE M=4,L=51, ID='RTE W:MBCC-SO BCH CIRCLE', ONEWAY=T,

RG=45, H=24.0,

N= -1552, 1549,-1551,-1539,-1536,-3187,-1526,-1522,-1511,-1512,-1513,-1514,-1516,-1517,-1521,-1519,-1523,-1528,-1531,-1533,-1538,-1541,-1557,-1553, 1551,-1549,-1552,

&END

***** METROBUS ROUTE 1 *****

&ROUTE M=4,L=61, ID='RTE 1:SM HTS ->DN STA ', ONEWAY=F,

RG=61, H=7.5,

N= -5937,-5934,-5936,-5938,-5942,-5943,-5948,-5950,-5951,-1668,-5956,-5957,-5962,-5963,-5961,-5960,-5900,-5899,-5898,-5897,-5894, 5897,-5896,-5848,-5847,-5849,-5851,-5813,-5814,-5816,-5769,-5770,-2730,-5771,-5717,-5718,-5719,-5720,-5667,-5669,-5603,-5602,-5601,-5608, 5609,-5610,

&END

-----&ROUTE M=4,L=63, ID='RTE 1:GOULDS->DADELAND N', ONEWAY=T,

RG=61, H=120.0,

N= -6001,-6052,-6047,-6046,-5992,-5993, 6001, 6003,-6000,-5998,-5999,-5948, 0,-5610,-5607,

&END

-----&ROUTE M=4,L=64, ID='RTE 1 (AIRPORT) ', ONEWAY=T,

RG=61, H=25.0,

N= -5937, 0,-5610, 5609, 5608,-5607,-3249, 5606, 5604,-5499,-5498,-5496,-3634, 3630, 3617, 3615, 3624, 3620, 3623, 3612, 3605, 3609, 3595, 3604, 3602, 3593, 3588, 3590, 3585, 1862, 1878, 3675, 3671, 3668,-4134,-4137, 4142,-4146, 4149,-4151,-4152,-4157, 4161, 1897,-1900, 1902, 1904, 4290, 4291,-4288,

&END

***** METROBUS ROUTE 2 *****

&ROUTE M=4,L=67, ID='RTE 2:PKWY HOSP-CBD', ONEWAY=F,

RG=67,

H=60.0,

N= -2329,-2330,-2331,-2327,-2324,-2323,-2322,-2321, 2317,-2314,-2313,-2311,-2309,-2308,-2306,-2307,-3213,-2433,-2434,-2436,-2438,-2439,-2560,-2678,-2679,-2680,-2681,-2677,-2673,-2674,-2789,-2115,-2790,-2791,-2884,-2886,-2890,-2891,-2892,-3042,-3043, 3044,-3046,-3039,-3040,-3041,-4089,-4090,-4092,-4093,-4229,-4230,-4231,-3460,-4232,-4379,-4380,-4381,-4382,-4383,-4378,-4511,-4512,-4519,-4520,-4521,-4522,-4734,-4736,-4743,-4748, 4749,-4750, 4753,-4754, 4756,-4757, 4758,-4759, 4760,-4751,-4752,-4986,

&END

-----&ROUTE M=4,L=69, ID='RTE 2:LITTLE RIVER->CBD ', ONEWAY=F,

RG=67, H=15.0,

N= -3042,-3043,-3044,-3038,-3039, 0,-4752,-4986,

&END

***** METROBUS ROUTE 3 *****

&ROUTE M=4,L=71, ID='RTE 3:DIPLOMAT MALL->CBD', ONEWAY=F,

RG=71, H=20.0,

N= -2034,-2018,-2036,-2096,-2885,-2097,-2098, 2099, 2203,-2915,-2913,-2207,-3216,-3215,-2039,-2040,-2101,-2100, 2098,-2099, 2203,-2985,-2204,-2965,-2202,-2347,-2346,-2341,-2336,-2334,-2328,-2329,-2326,-2322,-2323,-2324,-2327,-2331,-2332,-2333,-3206,-2865,-2339,-2340,-2344,-2350,-2461,-2462,-2463,-2578,-2579,-2580,-2708,-2709,-2710,-2711,-2810,-3136,-2811,-2812,-3137,-2902,-2903,-3149,-2900,-3060,-3061,-3062,-3063,-3064,-3066,-4108,-4109,-4110,-4111,-4244,-4246,-4247, 4248,-4249,-4396,-4397,-4398,-4399,-4564,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,-4820, 4821,-4822, 4823,-4824, 4826, 4827,-4828, 5049, 5047,-5043, 5041, 5030, 5027, 5018,-5012, 5002, 4996,-4986,-4982,

&END

-----&ROUTE M=4,L=72, ID='RTE 3:163 ST MALL ->CBD', ONEWAY=F,

RG=71, H=40.0,

N= -2329,-2326, 0,-4986,-4982,

&END

***** METROBUS ROUTE 6 *****

&ROUTE M=4,L=73, ID='RTE 6:HIALEAH-BRICKELL', ONEWAY=F,

RG=73, H=60.0,

N= -2507,-2622,-2625, 2623,-2624,-2626,-2747,-2748,-2750,-2752,-2753, 2840,-2841, 2842, 2961,-2962,-2963,-2966,-2967,-4017,-4018,-4019,-4021,-4026,-4030,-4033,-4038,-4040,-4042, 4043,-4048,-4050,-4054,-4057,-4061,-4189,-4190, 4191,-4192,-3423,-4193,-4194,-4196,-4322, 4323,-4329,-4332, 4331,-4337, 4341,-4347,-4351,-4357, 4361,-4370,-4376,-4380,-4386, 4388,-4389,-4390,-4391, 4531, 4540,-4541,-4542,-4543,-4544, 4546, 4548, 4549,-4783, 4784,-4786,-4787, 4788,-4789, 4790, 4791,-4792, 4793,-5017, 5018,-5019, 5020, 5021,-5008,-5009,-5010,-5011,-4993,-5196,

&END

***** METROBUS ROUTE 7 *****

&ROUTE M=4,L=75, ID='RTE 7: HOOK SQ - CBD', ONEWAY=F,

RG=75,
H=40.0,
N= -4007, -4014, -4015, -4020, -4022, -4016, -4023, -4154, -4156, -4157,
-4161, -1897, 1900, 1899, -1900, -1902, -1904, -4290, -4291, -4288,
4291, -4441, -4442, -3529, -4443, -3532, -3533, -3522,
-4629, -4630, -4634, -4636, -4638,
-4643, -4646, -4650, -4652, -4657, -4658, -4662, -4663, -4668, -4669,
-4673, -4680, -4679, -4689, -4701, -4721, -4735, 4738, -4745, -4755,
4765, 4775, -4739, 4740, 4741, 4972, -4982, 4986, 4996, 5002,
5012, -5018, 5017, -4793, 4792, 4791, 4790, -4789, -4780, -4771,
-4770,

&END

&ROUTE M=4, L=77, ONEWAY=F,

ID='ROUTE 7A:INTL MALL-CBD',
RG=75,
H=40.0,
N= -4407, -4257, 4407, -3551, -4408, -4583, -3225, -3177, 4587, -3178,
-3224, -4593,
-4592, -4596, 4598, -4599, -4601, 1859, 1861, -4602, -4603, -4604,
-3262, -4607, -4606, -4609, 1808,
-4617, -4621, -4626, -4628, -4630, -4634, -4636, -4638, -4643, -4646,
-4650, -4652, -4657, -4658, -4662, -4663, -4668, -4669, -4673, -4680,
-4679, -4689, -4701, -4721, -4735, -4738, -4745, -4755, 4765, 4775,
-4739, 4740, 4741, 4972, -4982, 4986, 4996, 5002, 5012, -5018,
5017, -4793, 4792, 4791, 4790, 4789, -4788, -4787, 4779, 4778,
-4769, 4753, -4750, 4749, -4748,

&END

***** METROBUS ROUTE 8 *****

&ROUTE M=4, L=80, ONEWAY=F,

ID='RTE 8:FIU TAMiami -> CBD',
RG=80,
H=15.0,
N= -5081, -5082, -3279, -5083, -3276, -5087, -5088, -5089, 5093, -5094,
5093, -5096, -5093, -5092, -3268, -5091, -5090, -5098, -4863, 4864,
-3598, -4866, -4867, -4868, -4870, -4871,
4873, -4874, -4877, -4878, -4879, -4881, -4882, -4883, -4886, -4887,
-4892, -4894, -4897, -4898, -4901, -4902, -4904, -4908, -4914,
-4918, -4922, -4926, -4930, -4933, -4938, -4941, -4946, 4957, -4964,
-4970, -4979, -4993, -5011, -5010,
-5009, 5008, -5021, 5020, -5019, 5018,
-5017, 4793, 4792, 4791, -4790, 4789, -4788, 4787, -4786,

&END

&ROUTE M=4, L=81, ONEWAY=F,

ID='RTE 8:WCHESTER SC -> CBD',
RG=80,
H=30.0,
RL=80,
N= -5096, -5093, -5092, 0, 4787, -4786,

&END

***** METROBUS ROUTE 9 *****

&ROUTE M=4, L=83, ONEWAY=F,

ID='RTE 9:AVENTURA MALL- CBD',
RG=83,
H=40.0,
N= -2102, -2101, -2100, -2098, -2097, 2098, -2099, -2203, -2985, -2204,
-2200, -2198, -2197, 2194, 2190, -2189, -2187, -2188, -2316, -2317,
-2321, -2322, -2326, -2329, -2330, -2331, -2327, -2324, -2318, -1885,
-2313, -2311, -2312,
-3212, -2441, -2442, -2443, -2564, -2565, -2691, -2692, -2693, -2690,
-3204, -2265, -2687,
-2797, -2798, -2799, -2800, -2893, -2894, -2896, -3050, -3051, -3052,
-3053, -3054, -4100, -4102, -4103, -4104, -4241, -4242, -4243,
-4392, -4393, -4394, -4552, -4550, -4540, -4541, -4542, -4543, -4544,
-4546, -4548, -4549, -4783, -4784, -4786, -4787, -4788, -4789, -4790,

-4791, 4792, 4793, 5017, 5018, 5012, 5002, 4996, -4986, -4982,
&END

&ROUTE M=4, L=84, ONEWAY=F,

ID='RTE 9: 163 ST MALL- CBD',
RG=83,
H=60.0,
RL=83,
N= -2326, -2329, -2330, 0, -4986, -4982,

***** METROBUS ROUTE 10 *****

&ROUTE M=4, L=87, ONEWAY=F,

ID='RTE 10:163 ST MALL - CBD',
RG=87,
H=40.0,
N= -2324, -2327, -2331, -2330, -2329, -2326, -2322, -2323, 2324, -2449,
-3210, -2930, -2450, -2451, -2570, -2571,
-2700, -2701, -2698, -2696, -2693, -2690, -6357, -2689, -2684, -2679,
-2680, -2681, -2683, -2782, -2687, -2797, -2798,
-2799, -2800, -2893, -2894, -2896, -3050, -3051, -3052, -3053, -3054,
-4100, -4102, -4103, -4104, -4241, -4242, -4243, -4392, -4393,
-4394, -4552, -4550, -4540, -4541, -4542, -4543, -4544, -4546, -4548,
-4549, -4783, -4784, -4786, -4787, -4788, 4789, -4790, -4791, 4792,
4793, 5017, 5018, 5012, 5002, 4996, 4986, -4982,

***** METROBUS ROUTE 11 *****

&ROUTE M=4, L=89, ONEWAY=F,

ID='RTE 11: FIU - CBD',
RG=89,
H=7.5,
N= -5078, 4848, -4849, -4852, -4851, -4584, -4582, 4584, -4586, -4588,
-4589, -4591, -4594, -4597, -4601, -4599, 4601, 1859, -1861, -4602,
-4603, -4604, -3262, -4607, -4608, -4611, -4612, -4614, -4616, -4618,
-4619, -4623, -4627, -4632, -4633, -4641, -4642, -4648, -4649, -4654,
-4656, -4909, -4911, -4916, -4919, -4923, -4927, -4931, -4934, -4939,
4942, 4947, 4966, -4972, -4982, 4986, 4996, 5002, 5012, -5018,
5027, 5030, 5041, -5043, -5047, -5049,

&ROUTE M=4, L=90, ONEWAY=F,

ID='RTE 11:MIDWAY MALL - CBD',
H=15.0,
RG=89,
RL=89,
N= -4599, -4601, 1859, 1861, 0, -5043, -5047, -5049,

***** METROBUS ROUTE 12 *****

&ROUTE M=4, L=95, ONEWAY=F,

ID='RTE 12:NS-MERCY VIA 12AV',
RG=95,
H=30.0,
N= -2988, 2986, 2988, -2992, -2993, -2997, -3001, -3004, -3006, -3007,
-3009, -3013, -3016, -3020, -4071, -4072, -4069, 4072, -4073, 4072,
4073, -4074, -4076, -4077, -4210, -4211, -4212, 4213, -4214, -4216,
-4350, -4351, -4352, -4353, -4354, -4356, -4359, -4366, -4483, -4484,
-4481, -4478, -4474, -4472, -4471, -4477, 4478, -3494, 4479, -4480,
-4669, -4670, -4671, -4927, -4928, -4929, -4930, -5179, -5180, -5181,
-5178, 5181, -5184, 5186, -5187, -3571, 5329, 5334, -5331, -5327,
-5323, -5321,

***** METROBUS ROUTE 16 *****

&ROUTE M=4, L=101, ONEWAY=F,

ID='RTE 16:163 ST MALL - CBD',
RG=71,
H=20.0,
N= -2331, 2330, -2329, -2326, -2322, -2323, -2324, -2327, 2331, -3209,

-2453,-2454,-2574,-2576,-2577,-3138,-2704,-2706,-2703,-2702,
 -2701,-2698,-2696,-2693,-2694,-3134,
 -2802,-2803,-2804,-2806,-2806,-2898,-2899,-2900,-3060, 3061,-3062,
 -3063,-3064,-3066,-4108,-4109,-4110,-4111,-4244,-4246,-4247,
 4248,-4249,-4396,-4397,-4398,-4399,-4564,-4566, 4567,-4568,
 4569, 4571,-4572, 4573,-4819,-4820, 4821,-4822, 4823,-4824,
 4826, 4827,-4828, 5049, 5047,-5043, 5041, 5030, 5027, 5018,
 -5012, 5002, 4996, 4986,-4982,
 &END

***** METROBUS ROUTE 17 *****

&ROUTE M=4,L=105, ONEWAY=F,
 ID='RTE 17:VZ STA - NORWOOD ',
 RG=105,
 H=30.0,

N= -5184,-5181,-5178,-5177,-5176,-2830,-5174,-4922, 4921,-4920,
 -4919, 4666,-4664,-4663, 4469,-3498,-4468, 4467,-4466,-4464,
 -4336,-4334,-4333,-4332, 4331,-4330,-4204,-4203,-3428,-3426,
 4201,-4197, 4191,-4192,-3423,-4193, 3423, 4192, 4191, 4197,
 4201,-4200,-4199,-4068,-4067,-4066,
 -4064,-3013,-3012,-3011,-3010,-2873,-2872,-2871, 2778,-2657,
 -2656,-2654,-2653,-2649,-3127,-2536, 2534,-2413, 2412,-2411,
 -2410,-2409,-2408, 2287, 2286,-2158,-3065,-2157, 2156,-2062,
 -2156, 2157,-2159, 2160,-2164, 2168,-2167,-2067,-2819,-2068,
 -2877,-2171,-2875,-2172,
 &END

***** METROBUS ROUTE 21 *****

&ROUTE M=4,L=107, ONEWAY=F,
 ID='RTE 17:FLG-NW 103ST&7AVE',
 RG=105,
 H=30.0,
 RL=105,

N= -4919, 0, 2778,-2780,-2784,-2783,-2110,-3133,-2105,
 &END

***** METROBUS ROUTE 21 *****

&ROUTE M=4,L=110, ONEWAY=F,
 ID='RTE 21:NW27AVE&160ST-CBD',
 RG=110,
 H=60.0,

N= -2400,-2401,-2402,-2403,-2404,-2527,-2528,-2529,-2530,
 -2531,-2644,-2646,-2647,-2643, 2647,-2769,-2770,-2771,-2861,
 -2862,-6369,
 -2863,-2996,-2997,-3001,-3004,-3006,-3007,-3009,-3013,
 -3016,-3020,-4071,-4072,-4069, 4072,-4073,-4074,-4076,-4077,
 -4210,-4211,-4212,
 4213,-4214,-4216,-4350,-4351,-4352,-4353,-4354,-4356,-4359,
 -4366,-4483,-4490,-4496,-4508,-4511,-4512,-4513,-4514,-4506,
 -4507,-4687,-4688,-4689,-4701,-4721,-4735,-4738,-4745,-4755,
 4765,-4775, 4739, 4740, 4741, 4972,-4982,-4986,
 &END

***** METROBUS ROUTE 21 *****

&ROUTE M=4,L=111, ONEWAY=F,
 ID='RTE 21:NORTHSIDE - CBD',
 RG=110,
 H=60.0,
 RL=110,

N= -2989,-2988,-2992,-2993,-2997, 0,-4982,-4986,-4752,
 &END

***** METROBUS ROUTE 22 *****

&ROUTE M=4,L=112, ONEWAY=F,
 ID='RTE 22:163ST MALL->GROVE',
 RG=112,
 H=60.0,

N= -2326,-2322,-2323,-2324,-2318,-1885,-2313,-2311,-2309,-2308,-2306,
 -1751,-1732,-2299,-2300, 2299, 2293,-2291, 2292,-2416,
 -2408,-2409,-2410,-2411,-2412,-2413,-2534, 2536,-3127,-2649,
 -2650,-3128,-2651,-2774,-2776,-2866,-2867,-2868,-2869,
 &END

-3003,-3004,-3006,-3007,-4058,-4059,-4060,-4061,-4189,-4190,
 -4191,-4192,-3423,-4193,-4194,-4196,-4322,-4323,-4324,-4326,
 -4327,
 -4458,-4459,-4460,-4461,-4658,-4659,-4660, 4910,-4911,-4912,
 -4913, 4914,-5169,-2825,-5170,-5171,-5312,-5313,-5314,-5316,
 -5454,-5452,-5451,
 &END

***** METROBUS ROUTE 24 *****

&ROUTE M=4,L=113, ONEWAY=F,
 ID='RTE 22:163ST MALL-SC STA',
 RG=112,
 H=30.0,
 RL=112,

N= -2326, 0,-4326,-4327,-4328,-4336,-4339,-4346,-4349,-4356,
 -4477,
 &END

***** METROBUS ROUTE 24 *****

&ROUTE M=4,L=115, ONEWAY=F,
 ID='RTE 24:FIU TAMiami-CBD',
 RG=115,
 H=22.0,

N= -5081, 5082,-3279,-5083,-3276, 5087,-5088,-5089,-5093,-5096,
 -5097, 5100,-5101, 5103,-3607,-5104,-5106,-5109,-5110,-3259,
 5113,
 -5114, 5118, 5119,-5121,-5122, 5128, 5129,-5270, 5273,-5279,
 -5280, 5142,-5140, 5139,-5143, 5148,-5149, 5150,-5152,-5158,
 -5159,-5162,-5163,-5167,-5168,-5171,-5172,-5173, 5177,-5178,
 -5181,-5184, 5186,-5188,-5189, 5190,-5192,
 5194, 5197, 5199,-5201,-5200, 5039, 5038,-5037,-5036,-5035,
 5034,
 5033,-5032, 5031, 5030,-5027, 5018, 5012, 5002,-4996,-4986,
 &END

***** METROBUS ROUTE 27 *****

&ROUTE M=4,L=117, ONEWAY=F,
 ID='RTE 24:WESTCHSTER-CBD',
 RG=115,
 H=20.0,
 RL=115,

N= -5093, 0,-4986,
 &END

***** METROBUS ROUTE 27 *****

&ROUTE M=4,L=119, ONEWAY=F,
 ID='RTE 27:CALDER ->FLAGLER',
 RG=119,
 H=30.0,

N= -2007,-2010,-2011,-2057,-2058,-2056,-6366,-2054,-3107,-2139,
 -2140,-6363,
 -2143,-2147,-2148,-2150,-2151,-2152,-2153,-2280,-2281,-2400,
 -2401,-2402,-2403,-2404,-2527,-2528,-2529,-2530,-2531,-2644,
 -2646,-2647,-2643, 2647,-2769,-2770,-2771,-2861,-2862,-6369,
 -2863,-2996,-2997,
 -2998,-2999,-3000,-4051,-4052,-4053,-4054,-4180,-4181,-4182,
 -3413,-4183,-3416,-4184,-4186,-4313,-4314,-4316,-4317,-4318,
 -4319,-4453,-4454,-3509,-4456,-4651,-4652,-4653,-4654,
 &END

***** METROBUS ROUTE 27 *****

&ROUTE M=4,L=121, ONEWAY=F,
 ID='RTE 27:CALDER ->GROVE',
 RG=119,
 H=15.0,
 RL=119,

N= -2007, 0,-4653,-4654,-4899,-4900,-4901,-5164,-2821,
 -5166,-5167,-5307,-5308,-5309,-5310,-5453,-5454,-5452,-5451,
 -5449,-5446,
 &END

***** METROBUS ROUTE 28 *****


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&ROUTE M=4,L=129, ONEWAY=F,
ID='RTE 28:FIU NORTH-HLH STA',
RG=129,
H=60.0,
N= -2464,-2462, 2463,-2578,-2579, 2577,-2573,-2571,-2568,
-2566,-2565,-2563,-6358,-2562, 2560,-2559,-2558,-2556,
2554,-2551,-2548,-2546,-2543,-2541,-2537,-2536,-2533,
-2531,-2521,-2520,-2518, 2512,-2513,-2637,-2638,-2636,-2633,
-2634,-2756,-2757,-2758,-2846,-2847,-2848, 2849,-2969,-2970,
2971,-2966,-2963,-2962,-2961,-2842,-2844,
&END
***** METROBUS ROUTE 29 *****
&ROUTE M=4,L=131, ONEWAY=F,
ID='RTE 29: VOTECH -TRI PRK',
RG=131,
H=70.0,
N= -2249,-2250,-2384,-2386, 2503, 2504,-2502,-2499,-2500,-2501,
-2618,-2619,-2616,-2613, 2611,-2609,-3721, 2608,-2607, 2608,
3721, 2609,
-2611,-2612,-2733,-2734,-2736,-2824,-2826, 2924,-2931,
-2933,-2941,-2943,-2950,-2952,-2953,-2959,-2961,-2962,-2963,
-2966,-2967,-4017,-4018, 4019,-4021,-4020, 4013,-4012,-4019,
&END
***** METROBUS ROUTE 32 *****
&ROUTE M=4,L=133, ONEWAY=F,
ID='RTE 32:CAROL CITY - OMNI',
RG=133,
H=20.0,
N= -2004,-2817,-2051,-2052,-3111,-2132,-2133,-3100,-2134,-3102,
-2258,-2260,-2263,-2264,-2390,-2392,-2270,-2269,-3090,-2141,
-2144,-2146,-2274,-2276,-2396,-2397,-2398,-3203,-2394,-2514,
-2516,-2517,-2518,-2520,-2521,
-2522,-2641,-2642,-2643,-2647, 2643,-2764,-2766,-2767,-2858,
-2859,-6368,-2165,-2987,-2988,-2992, 2988,
-2989,-2990,-2991,-4044,-4046,-4047,-4048,-4173,-4174,-4176,
-4177,-4307,-4308,-4309,-4306,-4319,-4321,-4327,-4328,-4336,
-4339, 4346,-4471,-4477,-4356,-4359,-4366,-4368,-4374,-4377,
-4378,-4383,-4384,-4391,-4394,-4552,-4553,-4554,-4566,-4578,
-4574,
&END
***** METROBUS ROUTE 33 *****
&ROUTE M=4,L=135, ONEWAY=F,
ID='RTE 33:LITTLE RIV-HL GDN',
RG=135,
H=30.0,
N= -3063,-3068,-3067,-3148,-3147,-2903,-2901,-2899,-2897,
-2894,-2890,-2886,-2883,-3393,-2882,-2880,-2876,-2781,-2871,
-2870,-2867,
-2866,-2776,-2773,-2772,-2770,-2768,-2766,-2763,-2762,-2761,
-2759,-2757,-2754,-2752,-2750,-2748,-2746,-2743,-2741,-2739,
-2737,-2734,-2732,-3715,-2731,-2729,-2728,-2723,-2722,-2719,
-2726,-2721,-2717,
&END
***** METROBUS ROUTE 35 *****
&ROUTE M=4,L=137, ONEWAY=F,
ID='RTE 35:MDCC-S ->FLA CITY',
H=60.0,
N= -5656,-5653,-5651,-5652,-5697,-5698,-5752,-5753,-5754, 5753,
-5801,-5802,-1785,-5803,-1786,
-5804,-5807,-5808,-5811,-5838,-5839,-5841,-5842,-5886,-5887,
-5952,-5953,-5954,-1705,-1725,-5948,-5999,-5998,-5997,
-5996,-6003,-6004, 6006,-1667,-1685,-1670,-1660,-6002,
-6001,-5993,-5992,-6046,-6044,-6043,
-6041,-6042,-6098,-6096,-6094,-6137,-6134,-6133,-6136,-6181,

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-6179,-6177,-6172,-6173,-6174,-6176,-6234,-6229,-6226,-6227,
-6228,-6223,-6222,-6219,-6212,-6211,-6209,-6208,-6258,-6259,
-6256,-6253,-6249,-6251,-6252,-6294,-6296,-6297,-6298,-6299,
-6304,
&END
***** METROBUS ROUTE 36 *****
&ROUTE M=4,L=143, ONEWAY=F,
ID='RTE 36:KOGER CENTER-OMNI',
RG=143,
H=40.0,
N= -3083,-3082,-3086,-3087,-3088,-3089,-4132,-3667,-3680,-3678,
-3668,-4134,-4137,-4142, 4146, 4149,
-4151,-4152,-4157,-4161,-1897,-1900, 1901,-1909, 1912,-1916,
-4168,-4172,-4177,-4179,-4186,-4188,-4196,-4198,-4204,-4206,
-4208,-4209,-4216,-4217,-4218,-4224,-4227,-4232,-4233,-4239,
-4243,-4249,-4396,-4397,-4398,-4399,-4564,-4566,-4554,-4556,
&END
***** METROBUS ROUTE 37 *****
&ROUTE M=4,L=145, ONEWAY=F,
ID='RTE 36: HOOK SQ - OMNI ',
RG=143,
H=60.0,
RL=143,
N= -4015,-4016,-4022,-4020, 4015,-4014,-4010,-4004,-4003,-3099,
3098,-4138, 4139, 4141,-4142,-4146, 0,-4556,
&END
***** METROBUS ROUTE 37 *****
&ROUTE M=4,L=146, ONEWAY=F,
ID='RTE 37:SM STA - HIALEAH ',
RG=146,
H=30.0,
N= -5513,-5506,-5507,-5509,-5511,-5517,-5522,-5529,-5531,-5532,
-5536,-5534,-5537,-5444,-5443,-5442,-5441,-5440,-5439,-5437,
-5436,-5434,-5290,-5291,-5296, 5291, 5296,-5294,-5293,-5292,
-5158,-5157,-5156,-5154,-2815,-5153,-4892,-4891,-4890,-4641,
-4640,-4639,-4638,-4637,-4450,-2245,-4448,-3183,-4297,-4292,
4291,-4288,-4291, 4292, 4297, 4292, 4291, 4288, 4291,-4290,
-1904, 1902,-1900, 1901,-1909, 1901, 1900,-1897,-4161,-4157,
-4156,-4154,-4153,-4031,-4030,-4026,-4021,-4019,-4018,
-4017,-2967,-2966,-2963,-2962,-2961,-2842,-2841,-2840,-2753,
-2752,-2751,-2629,-2628,-3124,-2627,-2623,-2625,-2622,-2507,
&END
***** METROBUS ROUTE 40 *****
&ROUTE M=4,L=150, ONEWAY=F,
ID='RTE 40A:132AV&8->GABLES ',
RG=150,
H=60.0,
N= -4839,-4841,-4842,-5064,-5066,-5067,-5068,-5216,-5217,-3332,
-5218,
-3323,-5219, 5223,-5224,-5226,-5228,-5229,-5232,-5233,-5237,
-5238,-5242,-5243,-5247,-5248,-5245,-5255,-5250,-5251,
-5253,-5254,-5256,-5257,-5259,-5261,-5264,-5268,-5269,-5278,
-5284,-5286, 5290, 5291, 5296,-5439,-5296,-5291,-5290,-5289,
-5288,-5287,-5150,-5149,-5148,-5143,-5139,
&END
***** METROBUS ROUTE 42 *****
&ROUTE M=4,L=151, ONEWAY=F,
ID='RTE 40:122AV&10->GABLES ',
RG=150,
H=60.0,
RL=150,
N= -4839,-4841, 4842,-4843,-4844,-5069,-5071,-5072,-5073,
-5218, 0,-5143,-5139,
&END
***** METROBUS ROUTE 42 *****
&ROUTE M=4,L=153, ONEWAY=F,

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ID='RTE 42:OPA LKA-DINNERKEY',
  RG=153,
  H=60.0,
N= -2517,-3230, 2523, 3025,-2530,-2531,-2521,-2520,-2518,
-2512,-2513,-2637,-2638,-2639,-2760,-2761,-2851,-2852,-2853,
-2976,-2977,-2978,-2980,-4034,-4036,-4037,-4038,-4162,
-4163,-4164,-1898, 1899,-1900, 1902,-1904,-4290,-4291,
-4288, 4291,-4441,-4442, 3529,-4443,-3532,-3533,-3522,
-4629,-4630,-4631,-4632,-4633,-4641,-4890,-4889,-4888,-4887,
-5146, 5147,-5148,-5149,-5150,-5144,-5142,-5280,-5281,-5282,
-5283,-5284,-5286,-5290,-5291, 5296,-5439,-5437,-5436,-5434,
5290, 5291,-5296,-5297, 5298,-5303,-5448,-5449,-5451,-5452,
-5454,-5453,
&END
***** METROBUS ROUTE 48 *****
&ROUTE M=4,L=157, ONEWAY=F,
ID='RTE 48: SM STA - OMNI ',
  RG=157,
  H=60.0,
N= -5510,-5514, 5513,-5512,-3193,-5504,-5506,-5507, 5509,
5510, 5514,-5513,-5520,-5523,-5526,-5527,-5426,-3341,-5530,
-5432,-5431,-5433,-5438,-5441,-5440, 5439,-5437,-5436,-5434,
-5290,-5291,-5296,-5439, 5440, 5441,-5446,-5449,-5451,-5452,
-5454,-5316,-5317,-5321,-5323,-5327,-5332,-5336,-5341,
-5347,-5346,-5201,-5200,-5039,-5038,-5037,-5036,-5035,
-5034,-5033,
5032,-5031,-5030,-5041,-5043,-5047,-5049,-4828,-4827,-4826,
-4824,-4823,-4822,-4821,-4820,-4819,-4573,-4572,-4571,-4569,
-4568,-4567,-4566,-4564,-4578,
&END
***** METROBUS ROUTE 52 *****
&ROUTE M=4,L=159, ONEWAY=F,
ID='RTE 52:CR GOVCNTR-GABLES',
  RG=159,
  H=30.0,
N= -6059, 6058,-6056,-6052,-6001,-6003,-6004,-6006, 5951,-5950,
-5948,-5943,-5942,-3160,-5941,-5939,-5881,-5878,-5877,-5875,
5877, 5878, 5881,-1755, 5883,-5884,-5887,-5888,-5889,-5890,
-5891,-5897,-5896,-5848, 5846,-5844,-5843,-5842,-5837,-5807,
-5804, 5807,-5808,-5811,-5812,-5813,-5814,-5816,-5769,-5770,
-2730,-5771,-5717,-5718,-5719,
-5720,-5667,-5669,-5603,-5602,-5601,
-5608,-5607,-3249,-5606,-5604,-5613,-5617,-5508,-5507,-5509,
-5510,-5514,-5513,-5512,-5519,-5520,-5523,-5526,-5424,-3190,
-5423,-5268,
-5269,-5272,-5277,-5282,-5281,-5280,-5142,-5144,-5150,
&END
***** METROBUS ROUTE 54 *****
&ROUTE M=4,L=163, ONEWAY=F,
ID='RTE 54:WESTLAND-BB&54 ST',
  RG=163,
  H=20.0,
N= -2602, 2723,-2728,-2729, 2731,-3715,-2732,-2734,-2737,-2739,
-2741,-2743,-2744,-2832,-2833,-2943,-2944, 2946,
-2938, 2936, 2938,-2946,-2956,-2963,-2966,-2971,-2972,-4027,
-4028,-4029,-4030,-4033,-4038,-4040,-4042,-4043,-4048,-4050,
-4054,-4057,-4061,-4063,-4068,-4070,-4077,-4079,-4084,-4091,
-4093,-4098,-4099,-4104,-4107,-4111,-4110,
&END
***** METROBUS ROUTE 56 *****
&ROUTE M=4,L=165, ONEWAY=F,
ID='RTE 56:MDCC-S ->CG TERM ',
  RG=165,
  H=60.0,
N= -5653, 5651,-5649,-5571, 3299,-5572,-3298,-5474,-5476, 5481,

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5479,-5478,-5383,-5384,-5386,-5387,-5391,-5392,-5393,-5397,
-5399,-5401,-5402,-5404, 3616,-5406,-5408,
-5411,-3195,-5416,-3194,-5419,-5422,-5519,-5520,-5523,-5526,
-5424,-3190,-5423,-5268,-5269,-5272,-5277,-5282,-5281,-5280,
-5142,-5140,-5139,-5143,-5148,
&END
***** METROBUS ROUTE 57 *****
&ROUTE M=4,L=167, ONEWAY=F,
ID='RTE 57:CORAL REEF-SM STA',
  RG=167,
  H=60.0,
N= -5812,-5813,-5817,-5820,-5821,-5824,-3314,-5823,-5822,-5774,
-5773,-5724,-5727,-5729,-3320,-5728,-5730,-5732,-5676,-5674,
-5621,-5620,-5619,-5518,-5517, 5511,-5509, 5507,-5506,
&END
***** METROBUS ROUTE 62 *****
&ROUTE M=4,L=169, ONEWAY=F,
ID='RTE 62:TR PARK HLH-OMNI ',
  RG=169,
  H=60.0,
N= -4022,-4020,-4021,-4019,-4018,-4024,-4028,-4032,-4036,-4039,
-4041,-3143,-4046,-4049,-4052,
-4056,-4059,-4062,-4066,-4069,-4072,-4078,-4081,-4086,-3405,
-4088,-4090,-4096,-4102,-4106,-4109,-4110,-4111,-4244,-4246,
-4247,-4248,-4249,-4396,-4397,-4398,-4399,-4564,-4566,-4554,
4556, 4562,-4567,
&END
***** METROBUS ROUTE 62 *****
&ROUTE M=4,L=170, ONEWAY=F,
ID='RTE 62:MLK STA- OMNI ',
  RG=169,
  H=60.0,
  RL=169,
N= -4052, 0,-4567,
&END
***** METROBUS ROUTE 62 *****
&ROUTE M=4,L=171, ONEWAY=F,
ID='RTE 62:MLK STA-BAL HAVOR',
  RG=169,
  H=20.0,
  RL=169,
N= -4052, 0,-4248, 4249, 3459, 4250, 3457,-1572,-1574,-1576,
-1577,-1578,-1579,
&END
***** METROBUS ROUTE 62 *****
&ROUTE M=4,L=172, ONEWAY=F,
ID='RTE 62:TRI PK -BAL HAVOR',
  RG=169,
  H=30.0,
  RL=169,
N= -4022, 0,-4248, 4249, 3459, 4250, 3457,-1572,-1574,-1576,
-1577,-1578,-1579,
&END
***** METROBUS ROUTE 65 *****
&ROUTE M=4,L=173, ONEWAY=T,
ID='RTE 65: OLD CUTLER EXP ',
  RG=173,
  H=65.0,
N= -5291, 5296,-5439,-5440, 5441,-5438, 5433, 5431,-5432,-5533,
-5534,-5536,-5628,-5627,-5626,-5678,-5677,-5736,-5733, 5734,
-5782, 5734,-5731,-5729,-5727, 5724,-5773,-5774,-3307,
-5772,-5769, 5770, 5771, 5717, 5718, 5719, 5720, 5667, 5669,
5603, 5609, 5610,-3666, 5614, 5617, 5508, 5509, 5510, 5514,
5521, 5527, 5426, 5431, 5433, 5437, 5439, 5296,-5291,

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&END
 ***** METROBUS ROUTE 67 *****
 &ROUTE M=4,L=174, ONEWAY=F,
 ID='RTE 67:CB TERM->MDCC-S ',
 RG=174,
 H=60.0,
 N= -5149,-5148,-5143,-5139,5133,-5130,-3347,5126,-5120,5119,
 -5118,-3258,
 -5117,-5112,-2775,-5111,-5107,-2765,-5108,-5109,-5252,-3255,
 -5253,-3253,-5409,-5410,
 -5411,-3197,-5412,-5500,-5501,-5502,-5613,-5604,
 -5610,5604,-5606,-3249,-5607,-5608,-5601,-5600,-3637,5599,
 -5598,-5597,-5596,-5594,-5593,-5590,-5589,5586,-5584,-3300,
 -5660,-5661,-3301,5709,5708,5704,-5703,5701,-5699,-5653,
 &END

***** METROBUS ROUTE 70 *****
 &ROUTE M=4,L=175, ONEWAY=F,
 ID='RTE 70:FLA CITY->CR MALL',
 RG=175,
 H=60.0,
 N= -6309,-6308,-6304,-6299,-6298,-6297,-6296,-6294,-6252,-6251,
 -6249,-6253,-6256,-6259,-6258,-6208,-6209,-6211,-6212,-6219,
 -6222,-6221,-6216,-6214,-6162,-6161,-6163,-6164,-6166,-6169,
 -6174,-6173,-6172,-6177,-6179,6177,6172,-6171,-6127,-6133,
 -6136,-6139,-6141,-1580,-6182,-6191,-6143,-6146,-6147,-6104,
 -1630,-6103,-6102,-6054,-6053,-6052,-6056,-6058,-6059,-6010,
 -6009,-6008,-1670,-1660,-6002,-6001,-6003,-6000,-5998,-5999,
 -5948,-5950,
 &END

***** METROBUS ROUTE 71 *****
 &ROUTE M=4,L=177, ONEWAY=F,
 ID='RTE 71:MDCC-S->INTL MALL',
 RG=177,
 H=60.0,
 N= -5653,-5656,-5654,-5578,-5577,-5481,-5479,-5473,
 -5378,-5377,-1815,-5223,-5224,-5226,-5228,-3286,-5227,-3282,
 5082,-5081,-5078,5081,
 -4852,-4851,-4584,-4582,4584,-4583,-4408,-3551,-4407,-4257,
 &END

***** METROBUS ROUTE 72 *****
 &ROUTE M=4,L=181, ONEWAY=F,
 ID='RTE 72:SW140A&47->GABLES',
 RG=181,
 H=60.0,
 N= -5368,5369,-5367,-5366,-5364,5366,5367,-5369,-5371,-5464,
 -5466,-5467,-1990,-5469,-5471,-5470,-5474,-5476,-5481,-5482,
 -5484,-5486,-5489,-5493,-5494,-3634,-5496,-5498,-5501,-5503,
 -5507,-5509,-5510,5514,
 -5513,-5512,-3192,-5419,-5418,-5417,-3188,-5259,-3256,-5258,
 -5118,5258,5260,-5262,5263,5267,-5271,5276,-5274,-5273,
 -5279,-5280,-5142,-5144,-5150,-5149,-5148,-5143,-5139,
 &END

***** METROBUS ROUTE 73 *****
 &ROUTE M=4,L=183, ONEWAY=F,
 ID='RTE 73:MI LKS- DS STA ',
 RG=183,
 RL=181,
 N= -5368,5369,0,-5507,-5509,
 &END

***** METROBUS ROUTE 73 *****
 &ROUTE M=4,L=183, ONEWAY=F,
 ID='RTE 73:MI LKS- DS STA ',
 RG=183,
 RL=181,
 N= -5368,5369,0,-5507,-5509,
 &END

H=40.0,
 N= -2250,-2384,-2386,-2383,-2382,-2381,
 2379,-2493,-2494,-2497,-2498,
 -2614,-2616,-2617,-2738,-2739,-2740,-2828,-2829,-2933,-2934,
 -2936,-2938,2936,-2937,-2932,-2928,-2929,-3093,-3094,-3096,
 -4136,-4137,-4272,-4273,-4274,-4276,-4416,-1886,-4419,-4422,
 -4423,-3578,1875,1888,1889,4603,-4604,-3262,-4607,-4869,
 -4870,-5107,-2765,-5108,-5109,-5252,-3255,-5253,-3253,-5409,
 -5410,-5411,-3197,-5412,-5500,-5501,
 -5502,5613,5604,-5606,-3249,-5607,-5608,-5601,-5602,-5603,
 &END

***** METROBUS ROUTE 74 *****
 &ROUTE M=4,L=186, ONEWAY=F,
 ID='RTE 74:N-SIDE STA->BISC',
 RG=186,
 H=60.0,
 N= -2922,-2926,-2927,2928,-2929,2938,-2946,-2956,-2963,-2966,
 -2971,-2978,-2980,-2982,-2984,-3141,-2991,-2994,-3000,-2999,
 -2998,-2997,-3001,-3004,-3006,-3007,-3009,-3013,-3016,-3020,
 -3023,-3029,-3034,-3040,-3047,-3054,-3056,-3057,-3066,-3064,
 -3063,-3062,-3061,-3058,
 &END

***** METROBUS ROUTE 75 *****
 &ROUTE M=4,L=187, ONEWAY=F,
 ID='RTE 75:ML VOTECH->MDCC-N',
 RG=187,
 H=30.0,
 N= -2384,-2250,-2249,-2129,-3104,-2131,-3103,-2134,-3101,
 -2138,-3095,-2141,-3085,-2144,-2075,-2152,-3075,-2158,-3080,
 -2162,-2065,-2169,
 -2164,2168,-2167,-2067,-2819,2068,-2877,-2171,-2875,2172,
 -2060,2174,-2178,-2179,-2182,-3360,-2184,
 -2187,2189,-2190,2191,-2192,-2328,2329,-2326,2329,-2330,
 -2331,-3209,-2453,-2454,-2574,-2572,-2570,-2568,-2695,-2692,
 -2693,-2690,-3204,-2265,-2687,-2782,-2683,-2681,-2677,-2673,
 -2669,2668,-2666,-2662,
 -2660,-2658,-2656,-2652,-2650,-2648,-2646,-2647,-2643,
 &END

***** METROBUS ROUTE 77 *****
 &ROUTE M=4,L=189, ONEWAY=F,
 ID='RTE 77:NW183ST&7AVE->CBD',
 RG=189,
 H=45.0,
 N= -2173,-2072,-2071,2070,-6367,
 -2068,-2877,-2171,-2875,-2172,-2060,
 -2174,-2176,-2177,1702,1703,1704,1707,1709,1713,1714,
 1719,1732,-1721,-1732,1728,1724,-3055,-2421,-2422,-2423,
 -2549,-2550,-2551,-2552,-3132,-3220,-2663,-2664,-2666,-2110,
 -2783,-2784,-2879,-2880,-2881,-3146,-3024,-3026,-3027,-3028,
 -3029,-4080,-4081,-4082,-4083,-4084,-4220,-4221,-4222,-4223,
 -4224,-4369,-4370,-4371,-4372,-4373,-4374,-4490,-4491,-4492,
 -4493,-4494,-4676,-4677,-4678,-4679,-4684,-4686,-4691,-4693,
 -4696,-4697,-4950,-4967,-4973,-4972,-4982,-4986,4996,-5002,
 5012,-5018,5027,5030,5041,-5043,5047,-5049,-4828,
 &END

***** METROBUS ROUTE 77 *****
 &ROUTE M=4,L=190, ONEWAY=F,
 ID='RTE 77:441&199ST - CBD ',
 RG=189,
 H=60.0,
 RL=189,
 N= -2172,-2875,-2171,-2877,-2068,-6367,-2070,-2071,2072,-2173,
 -2174,-2176,0,-5049,-4828,
 &END

***** METROBUS ROUTE 77 *****
 &ROUTE M=4,L=192, ONEWAY=F,

ID='RTE 77:OPA LOCKA - CBD ',
RG=189,
H=60.0,
RL=189,

N= -2517,-3230,
-2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,
-2413,-2534,-2536,-2537,-2541,-2543,-2546,-2548,-2551,-2552,
-3132,-3220,-2663, 0,-5049,-4828,

&END

METROBUS ROUTE 83
&ROUTE M=4,L=193, ONEWAY=F,

ID='RTE 83:M LAKES-FIU NORTH',
RG=193,
H=30.0,

N= -2386,-2383,-2382,-2381,-2379,-2378,-2377,-2241,-2240,-2232,
-2231,-2519,-2123,-2121, 2123,-2124,-2127,-6361,-2130,-2133,
-6362,-2137,
-6364,-2140,-6363,-2143,-2147,-2148,-2150,-2154,-2157,-2159,
-2160,-2164,-2168,-2055,-2172,-2060,-2174, 2176,
-2177,-2176, 2174, 2173,-2072,-2173, 2174,-2178,-2179,-2182,
-2183,-2310,-2311,-2313,-2314,-2317,-2321,-2322,-2326,-2329,
-2330, 2331,-2332,-2333,-3206,-2865,-2339,-2340,-2344,-2350,
-2461,-2462,-2464,

&END

&ROUTE M=4,L=195, ONEWAY=F,

ID='RTE 83: LAKES-163ST MALL',
RG=193,
H=30.0,
RL=193,

N= -2386, 0,-2322,-2326,-2329,-2330,-2331,

&END

METROBUS ROUTE 87
&ROUTE M=4,L=197, ONEWAY=F,

ID='RTE 87:DN STA-OKEE STA ',
RG=197,
H=30.0,

N= -5610,-5609,-5608,-5601,-5600,-3637,-5599,-5598,-5597, 5596,
5594, 5593,-5592,-5591,-3648,-5491,-5490,-5489,-5488,-5398,
-5397,-3294,-5396,-5394,-5242,-5241,-5239,-3269,-5094,-5093,
-5092,-3268,-5091,-5090,-4861,
-4859,-4594,-4597,-4601,-4599,-4598,-4596,-4592,-1823,-1822,
-1821,-4414,-4267,-4266,-4263, 4266,-4264,-4128,-4127,-3083,
-3082,-3086, 3087, 3091,-3691,-3092,-3094,-3093,-2929,-2938,
-2946, 2956, 2957, 2958,

&END

METROBUS ROUTE 88
&ROUTE M=4,L=199, ONEWAY=F,

ID='RTE88A:SW88&157AV-DN STA',
RG=199,
H=30.0,

N= -5545,-5547,-3202,-5548,-5551,-5552,-5553,-5557,-5559,-5561,
-5562,-5567,-5568,-5565,-5570, 3989, 3993,-5571,
-5573,-5574,-5576,-5578,-5579,-5581,-5582,-1730,-1731,-5584,
-5586,-5589,-5590,-5593,-5594,-5596,-5597,-5598,-5599,-3637,
-5600,-5601,-5608,-5609,-5610,

&END

&ROUTE M=4,L=200, ONEWAY=F,

ID='RTE 88:SW84&141AV-DN STA',
RG=199,
H=15.0,
RL=199,

N= -5463,-5466,-5554,-5556,-5557,-5559, 0,-5610,

&END

METROBUS ROUTE 91

&ROUTE M=4,L=203, ONEWAY=F,

ID='RTE 91:CNM SQ-163ST MALL',
RG=203,
H=60.0,

N= -2009, 2013, 3977,-2019,-2020,-2022,-2023,-2024,-1995,-2074,
-2069, 2074,-2076,-2077,-2078,-2079, 2078,-2081,-2082,-3357,
-2084,-2089,-2090,-2086,-2087,-2193,-2194,-2196,-2336,-2337,
-2338,-2339,-2865,-3206,-2333,-2332,-2331,
-2330,-2329,-2326,-2322,-2323,

&END

METROBUS BRICKELL CONNECTION
&ROUTE M=4,L=205, ONEWAY=T,

ID='BRICKELL CONNECTION-AM ',
RG=205,
H=12.0,

N= -5193, 4979, 4993, 5011, 5023,-5039,-5200,-5201,
5200, 5039,-5040, 5039,-5038, 5022, 5010, 4992,
4978, 4979,-5193,

&END

METROBUS KOGER SHUTTLE
&ROUTE M=4,L=206, ONEWAY=T,

ID='TCR-KOGER CNTR ',
RG=206,
H=60.0,

N= -4166, 4163, 4164, 1898, 1899, 1900, 1897, 4161, 4157, 4152,
4151, 4149, 4146, 4142, 4137, 4134, 3668, 3678, 3680, 3667,
4132,-4129, 3179, 4128,
-4127, 3083, 3082,-3086, 3087,-3088,-3089, 4132, 3667, 3680,
3678, 3668, 4134, 4137, 4142, 4146, 4149, 4151,-4152,
4157, 4161, 1897, 1900, 1899, 1898, 4164, 4163,-4166,

&END

METROBUS MIA SHUTTLE
&ROUTE M=4,L=207, ONEWAY=T,

ID='TCR-MIA ',
RG=207,
H=60.0,

N= -1916, 4168, 4167,-4166, 4163, 4164, 1898, 1899, 1900,
1902, 1904, 4290, 4291,-4288, 4291,-4292, 4297,-3223,-3184,
4290, 1904, 1902, 1900, 1899, 1898, 4164, 4163, 4166, 4167,
4168,-1916

&END

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NOVEMBER 1989 MD TNET
MD/OP VALIDATION TRANSIT NETWORK

CORRESPONDS TO VAX XXXXXXXXXX

MODIFIED:

- 1) TO REALIGN ROUTES TO CONFIGURATION WITH THE NOVEMBER 1989 LINEUP, ROTARY & VEH ASSN SHTS;
- 2) TO RECODE ROUTES TO COMPENSATE FOR LACK OF INTERLINING IN THE TRANPLAN PACKAGE:
 - A) ALL LOCAL ROUTES NOW ONEWAY=F;
 - B) ROUTES NOW TRAVERSE 1-WAY STREETS IN BOTH DIRECTIONS, REQUIRING NEW AM AND MD OPTLINKS FILES, AS BUS SPEEDS DIFFER ALONG THE SAME LINKS IN EACH PERIOD;
 - C) CBD SECTIONS AND OTHER SIMILAR AREAS DO NOT LOOP/LOLIPOP BUT GENERALLY HOOK.
- 3) TO INCORPORATE NEW TOLL LINKS OBTAINED FROM G/F
- 4) TO INCORPORATE NEW I-95 OPTLNK BETWEEN NW 151 ST AND NW 46 ST AS DIAMOND LANE FOR 95X EXPR BUSES.

***** METROBUS ROUTE A *****
&ROUTE M=4,L=1, ONEWAY=F,

ID='RTE A:MIAMI BCH ->OT STA',
RG=1,
H=30.0,

N= -1557,-1553,-1551,-1549,-1546,-1544,-1543, 3973, 1985, 1944,
-4579,-4578,-4566,-4554,-4551, 4542,-4541, 4542, 4543, 4533,
-4534,-4537,-4538,-4766,-4767,-4768, 4749,-4748,

***** METROBUS ROUTE B *****
&ROUTE M=4,L=3, ONEWAY=F,

ID='RTE B: CBD ->KEY BISC ',
RG=3,
H=40.0,

N= -4741, 4747, 4752,-4986, 4996, 5002, 5012,-5018, 5027, 5030,
5031,-5032, 5033,-5034,-5045, 5034,-5035,
-5036,-5037,-5038,-5039,-5200,-5201, 5199,-5197,-5196,-4993,
-4979,-5193,-5194, 5197,-5199, 5201,-5346,-5347,-5341,-5336,
5332, 3972, 1984, 1943, 1942, 5337,
-5338,-5348,-5349,-5350,-5351,-5352,-5353,-5354,-5356,

&END

***** METROBUS ROUTE C *****

&ROUTE M=4,L=5, ONEWAY=F,
ID='RTE C:MT SINAI HOSP->CBD',
RG=5,
H=20.0,

N= -1573,-1574,-1576,-1577,-1578,-1579,-1571,-1568,-1562,-1559,
-1558,-1557,-1541,-1538,-1533,-1531,-1528,-1523,-1519,-1518,
-1511,-1509,-1508,-1507,-1506,-1504,-1503, 4580, 4576,-4574,
4578,-4566,-4567, 4568,-4569,-4571,-4572,-4573,-4819,-4820,
-4821,-4822,-4823, 4824, 4826,-4827,-4828, 5049, 5050, 5048,
5044, 5042,-5032, 5028, 5019, 5013, 5004, 4999, 4987, 4983,

&END

***** METROBUS ROUTE D *****

&ROUTE M=4,L=8, ONEWAY=F,
ID='RTE D: CBD->DIPLOMAT MALL',
RG=8,
H=30.0,

N= -1514, 1513,-1512,-1511,-1522,-1526,-3187,
-1536,-1539,-1551,-1553,
-1557,-1541,-1542,-1558,-1559,-1562,-1568,-1571,-1579,-1581,
-1591,-1596,-1597,-1603,-1606,-1624,-1626,-1629,-1632,-1634,
-1639,-1641,-1642,-1643,-1644,-1646,-1649, 1651,-1648,-1651,
-1652,-1653,-2975,-1654,-1657,-1658,-1659,-1661,-6900,

&END

***** METROBUS ROUTE E *****

&ROUTE M=4,L=9, ONEWAY=F,
ID='RTE E: GOLDBCH-GG (AVEN) ',
RG=9,
H=60.0,

N= -2093,-2097,-2098, 2099, 2203,-2915,-2203,-2099, 2098,-2100,
-2101, 2102,-3217,-2913,-2207,-1656,-1657,-1658,-1659, 1658,
1657,-1654,-2975,-1653,-1652,-1651,-1648,-2358, 2357,-2356,
-2357,-2354,-2353,-2352,-2351,-2350,-2344,-2340,-2339,-2865,
-3206,-2333,-2332,-2331,-2330,-2329,-2326,-2322,-2323,-2324,
-2318,-1885,-2313,-2311,-2309,-2308,-2306,-1751, 1752,-2428,
-3218,-2429,-2436,-2438,-2430,-2426,-3372, 2424,-2421,-3055,
-1724, 1728,-1732,

&END

***** METROBUS ROUTE F *****

&ROUTE M=4,L=13, ONEWAY=F,
ID='RTE F: NW22AV&23-LINC RD ',
RG=13,
H=30.0,

N= -4326,-4327,-4458,-4459,-4463,-4466,-4472,-4474,-4478,-4477,
-4356,-4359,-4366,-4483,-4490,-4496, 4508,-4511,-4512, 4519,
4526, 4533,-4543, 4556, 4562,-4567, 4574, 4576, 4580,-1503,
-1504,-1506,-1507,-1508,-1509,-1511,-1522,-1526,-3187,
-1536,-1539,-1551,-1553,-1557,

&END

***** METROBUS ROUTE G *****

&ROUTE M=4,L=15, ONEWAY=F,
ID='RTE G: OPLKA-MB CONV CTR',
RG=15,
H=30.0,

N= -2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,-2413,
-2534,-2536,-2537,-2541,-2542,-2653,-2654,-2656,-2658,-2660,
2662,-2666,-2664,-2663, 2667,-3380,
-2671,-2676,-2679,-2684,-2689,-6357,
-2690,-2693,-2696,-2698,-2701,-2702,-2703,-2706,-2709,-2712,
-2713,-2714,-1982,-1947, 3974,-1636,-1637, 1638,
-1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1597,-1596,
-1591,-1581,-1579,-1571,-1568,-1562,-1559,-1558,-1557,-1553,
-1551,

&END

***** METROBUS ROUTE H *****

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&ROUTE M=4,L=21, ONEWAY=F,
ID='RTE H:SKY LAKE->SO BEACH',
RG=21,
H=15.0,
N= -2071,-2072,-2173,-2174,-2178,-2179,-2182,-3360,-2184,-2187,
-2189,-2190, 2194,-2193, 2194,-2196,-2336,-2334,-2328,-2329,
-2326,-2322,-2323,-2324,-2327,-2331,-2332,-2333,-3206,-2865,
-2339,-2340,
-2344,-2350,-2351,-2352,-2353,-2354,-2357,-2358,-1648,-1651,
-1649,-1646,-1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,
-1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,
-1568,-1562,-1559,-1558,-1557,-1553, 1557,-1541,-1538,-1533,
-1531,-1528,-1523,-1519,-1521,-1517,-1516,-1514,
&END
***** METROBUS ROUTE J *****
&ROUTE M=4,L=23, ONEWAY=F,
ID='RTE J:NORMNDY ISL-DR STA',
RG=23,
H=20.0,
N= -1627,-1628,-6353,-1623, 1626,-1624,-1606,-1603,-1597,-1596,
-1591,-1581,-1579, 1571, 1569, 1578,-1577,-1576,-1574, 1572,
-3457, 4250,-3459,-4249,-4243,-4239,-4233,-4232,-4227,-4224,
-4218,-4360, 4218,-4217,-4216,-4209,-4208,-4206,-4204,-4198,
-4196,-4188,-4186,-4179,-4177,-4172,-4168,-1916, 1912,-1909,
1901, 1900,-1897,-1896,-1899,-1900, 1902,-1904,-4290, 4291,
-4288,-4291,-4441,-4442,-3529,-4443,-3532,-3533,-3522,-4629,
-4630,-4631,-4632,-4884,-4886,-5137,-5138,-5139,-5143,-5148,
-5149,-5150,-5144,-5142,-5280,-5281,-5282,-5283,-5284,-5286,
-5290,-5291,-5296,-5439,
&END
***** METROBUS ROUTE K *****
&ROUTE M=4,L=25, ONEWAY=F,
ID='RTE K:BAL HARBOR - CBD',
RG=25,
H=20.0,
N= -1643,-1642,-1641,-1638,-1639,-1634,-1632,-1629, 1628,-1627,
1628, 1629,-1626,-1624,-1606,-1603,-1602,-1601,-1599,-1593,
-1589,-1587,-1582,-1577,-1566,-1561,-1554,-1556,-1557,-1541,
-1538,-1533,-1531,-1528,-1523,-1519,-1518,-1511, 1509,-1508,
-1507,-1506,-1504,-1503, 4580, 4576,-4574,-4567,-4568,
4563,-4557,-4544, 4546,-4548,-4549,-4783,-4784,-4786,-4787,
-4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018, 5012, 5002,
4996,-4986,-4982,-4972,
&END
***** METROBUS ROUTE L *****
&ROUTE M=4,L=29, ONEWAY=F,
ID='RTE L:HL(TRACK)-MBCB',
RG=29,
H=30.0,
N= -2842,-2844,-2849,-2969,-2974,-2976,-2981,-2983,-2225,-2986,
-2988,
-2992,-2993,-2997,-3001,-3004,-3008,-3011,-3014,-3018,-3022,
-3027, 3031,-3399,-3033,-3038,
-3044,-3052,-3059,-3063,-3068, 3069,
-1608,-1609,-1611,-1612,-1614,-1617,-1618,-1619,-1622,-1624,
-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,-1568,-1562,
-1559,-1558,-1542,-1541,-1557,-1553,
&END
***** METROBUS ROUTE M *****
&ROUTE M=4,L=31, ONEWAY=F,
ID='RTE L:AMTRAK-CONV CTR',
RG=29,
H=30.0,
RL=29,
N= -2983, 0,-1553,
&END

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***** METROBUS ROUTE M *****
&ROUTE M=4,L=37, ONEWAY=F,
ID='RTE M: MT SINAI-CBD',
RG=37,
H=30.0,
N= -1589,-1588,-1583,-1573,-1574,-1576,-1577,-1578,-1579,-1571,
-1568,-1562,-1559,-1558,-1542,-1541,-1557,-1553,-1551,-1539,
-1536,-3187,-1526,-1522,-1511,-1509,-1508,-1507,-1506,-1504,
-1503, 4580, 4576,-4574,-4578,-4566,-4567,-4568,-4569,-4571,
-4572,-4573,-4819,-4820,-4821,-4822,-4823,-4824,-4826,-4827,
-4828,-5049,-5047,-5043,-5041,-5030,-5027, 5018, 5012, 5002,
4996,-4986,-4982
&END
***** METROBUS ROUTE R *****
&ROUTE M=4,L=39, ONEWAY=F,
ID='RTE R:BISC POINT-SO BCH',
RG=39,
H=60.0,
N= -1633, 1634, 1632,-1631, 1628,-1627,-1628,-1623,-1621, 1619,
1618, 1617, 1614,
-1612,-1614,-1617,-1618,-1619,-1622,-1607,-1604,-1602,-1601,
-1599,-1598,-1592,-1588,-1583,-1584, 1583,-1573,-1574,-1563,
-1564,-1548,-1549,-1551,-1553, 1551,-1539,-1536,-3187,
-1526,-1522,-1511,-1512,-1513,
&END
***** METROBUS ROUTE S *****
&ROUTE M=4,L=43, ONEWAY=F,
ID='RTE S: CBD-195ST & COLLINS',
RG=43,
H=15.0,
N= -4982,-4986, 4996, 5002, 5012, 5018, 5017,-4793, 4792, 4791,
-4790, 4789,-4788,-4787, 4786,-4784,-4783, 4549,-4548, 4546,
-4544,-4557, 4563,-4568, 4576, 4580,-1503,-1504,-1506,-1507,
-1508,-1509,-1511,-1522,-1526,-3187,-1536,-1539,
-1551,-1553,-1557,-1541,-1542,-1558,-1559,-1562,-1568,-1571,
-1579,-1581,-1591,-1596,-1597,-1603,-1606,-1624,-1626,-1629,
-1632,-1634,-1639,-1641,-1642,-1643,-1644,-1646,-1649,-1651,
-1652,-1653,-2975,-1654,-1657,-1658, 1657,-1656,-2207,-2913,
-3217,-2102,-2101,-2100,-2098,
&END
***** METROBUS ROUTE T *****
&ROUTE M=4,L=47, ONEWAY=F,
ID='RTE T: HAULOVER - CBD',
RG=47,
H=20.0,
N= -1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,-1626,-1624,
-1606,-1603,-1597,-1596,-1591,-1581, 1579,-1578,-1577,-1576,
-1574, 1572,-3457, 4250,-3459,-4249,-4396,-4397,-4398,-4399,
-4564,-4566,
4567, 4562,-4556, 4543,-4544, 4546, 4548,-4549,-4783,-4784,
4786,-4787,-4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018,
5012, 5002, 4996,-4986,-4982,
&END
***** METROBUS ROUTE V *****
&ROUTE M=4,L=49, ONEWAY=F,
ID='RTE V: DIPLOMAT->G GLADES',
RG=49,
H=60.0,
N= -2018,-2016,-1661,-1659,-1658,-1657,-1654,-2975,
-1653,-1652,-1651,-1648,
-2358,-2357,-2356, 2357,-2354,-2353,-2352,-2351,-2350,-2344,
-2340, 2339,-2338,-2337,-2336,-2341,-2346,-2347,-2202,-2965,
-2204,-2200,-2198,-2197,-2194,
-2190,-2191,-2192,-2328, 2329,-2330,-2331,-2327, 2324,-2323,
-2324,-2318,-1885,-2313,-2311,-2309,-2308,-2306,-1751,-1750, 1751,
1752,-2428,-3218,-2429,-2426,-3372, 2424,-2421,-3055,-1724,

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1728,-1732,
&END
***** METROBUS ROUTE W *****
&ROUTE M=4,L=51, ONEWAY=T,
ID='RTE W:MBCC-SO BCH CIRCLE',
RG=45,
H=24.0,
N= -1552, 1549,-1551,-1539,-1536,-3187,
-1526,-1522,-1511,-1512,-1513,
-1514,-1516,-1517,-1521, 1519,-1523, 1528,-1531, 1533,-1538,
-1541,-1557,-1553, 1551,-1549,-1552,
&END
***** METROBUS ROUTE 1 *****
&ROUTE M=4,L=61, ONEWAY=F,
ID='RTE 1:SM HTS ->DN STA ',
RG=61,
H=30.0,
N= -5937,-5934,-5936,-5938,-5942,-5943,-5948,-5950,-5951,-1668,
-5956,
-5957,-5962,-5963,-5961,-5960,-5900,-5899,-5898,-5897,-5894,
5897,-5896,-5848,-5847,-5849,-5851,-5813,-5814,-5816,-5769,
-5770,-2730,
-5771,-5717,-5718,-5719,-5720,-5667,-5669,-5603,-5602,
-5601,-5608, 5609,-5610,
&END
***** METROBUS ROUTE 2 *****
&ROUTE M=4,L=67, ONEWAY=F,
ID='RTE 2:PKWY HOSP-CBD ',
RG=67,
H=60.0,
N= -2329,-2330,-2331,-2327,-2324,-2323,-2322,-2321, 2317,-2314,
-2313,-2311,-2309,-2308,-2306,-2307,-3213,-2433,-2434,
-2436,-2438,-2439,-2560,-2678,-2679,-2680,-2681,-2677,
-2673,-2674,-2789,-2115,-2790,
-2791,-2884,-2886,-2890,-2891,-2892,-3042,-3043, 3044,-3046,
-3039,-3040,-3041,-4089,-4090,-4092,-4093,
-4229,-4230,-4231,-3460,
-4232,-4379,-4380,-4381,-4382,-4383,-4378,
-4511,-4512,-4519,-4520,-4521,-4522,-4734,-4736,-4743,-4748,
4749,-4750, 4753,-4754, 4756,-4757, 4758,-4759, 4760,-4751,
-4752,-4986,
&END
-----
&ROUTE M=4,L=69, ONEWAY=F,
ID='RTE 2:LITTLE RIVER->CBD ',
RG=67,
H=15.0,
RL=67,
N= -3042,-3043,-3044,-3038,-3039, 0,-4752,-4986,
&END
***** METROBUS ROUTE 3 *****
&ROUTE M=4,L=71, ONEWAY=F,
ID='RTE 3:DIPLOMAT MALL->CBD',
RG=71,
H=20.0,
N= -2034,-2018,-2036,-2096,-2885,-2097,-2098, 2099, 2203,-2915,
-2913,-2207,-3216,-3215,-2039,-2040,-2101,-2100, 2098,
-2099, 2203,-2985,-2204,-2965,-2202,-2347,-2346,-2341,
-2336,-2334,-2328,-2329,-2326,-2322,-2323,-2324,-2327,-2331,
-2332,-2333,-3206,-2865,-2339,-2340,-2344,-2350,-2461,-2462,
-2463,-2578,-2579,-2580,-2708,-2709,-2710,-2711,-2810,-3136,
-2811,-2812,-3137,-2902,-2903,-3149,-2900,-3060,-3061,-3062,
-3063,-3064,-3066,-4108,-4109,
-4110,-4111,-4244,-4246,-4247, 4248,-4249,-4396,-4397,-4398,
-4399,-4564,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,
-4820, 4821,-4822, 4823,-4824, 4826, 4827,-4828, 5049, 5047,

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-5043, 5041, 5030, 5027, 5018,-5012, 5002, 4996,-4986,-4982,
&END
***** METROBUS ROUTE 6 *****
&ROUTE M=4,L=73, ONEWAY=F,
ID='RTE 6: HIALEAH-CBD ',
RG=73,
H=60.0,
N= -2507,-2622,-2625, 2623,-2624,-2626,-2747,-2748,-2750,-2752,
-2753, 2840,-2841, 2842, 2961,-2962,-2963,-2966,-2967,-4017,
-4018,-4019,-4021,-4026,-4030,-4033,-4038,-4040,-4042, 4043,
-4048,-4050,-4054,-4057,-4061,-4189,-4190, 4191,-4192,-3423,
-4193,
-4194,-4196,-4322, 4323,-4329,-4332, 4331,-4337, 4341,-4347,
-4351,-4357, 4361,-4370,-4376,-4380,-4386, 4388,-4389,-4390,
-4391, 4531, 4540,-4541,-4542,-4543,-4544, 4546, 4548, 4549,
-4783, 4784,-4786,-4787, 4788,-4789, 4790, 4791,-4792, 4793,
-5017, 5018,-5019, 5020, 5021,-5008,-5009,-5010, 5011,-4993,
-5196,-5197,-5199,-5343,-5344,-5342,-5192,-5190,-4938,-4937,
-4936,-4934,-4931,-4927,-4923,-4919,-4916,-4911,-4910,-4660,
-4659,-4658,-4461,-4460,-3185,-4454,-4453,-3182,-4311,-4310,
-4451,-4448,-2245,-4450,-4637,-4638,-4639,-4640,-4641,-4890,
-4891,-4892,-4894,
-4897,-5160,-2820,-5161,-5162,-5299,-5300,-5301,-5309,
&END
***** METROBUS ROUTE 7 *****
&ROUTE M=4,L=75, ONEWAY=F,
ID='RTE 7: HOOK SQ - CBD ',
RG=75,
H=20.0,
N= -4007,-4014,-4015,-4020,-4022,-4016,-4023,-4154,-4156,-4157,
-4161,-1897, 1900, 1899,-1900,-1902,-1904,-4290,-4291,-4288,
4291,-4441,-4442,-3529,-4443,-3532,-3533,-3522,
-4629,-4630,-4634,-4636,-4638,
-4643,-4646,-4650,-4652,-4657,-4658,-4662,-4663,-4668,-4669,
-4673,-4680,-4679,-4689,-4701,-4721,-4735, 4738,-4745,-4755,
4765, 4775,-4739, 4740, 4741, 4972,-4982, 4986, 4996, 5002,
5012,-5018, 5017,-4793, 4792, 4791, 4790,-4789,-4780,-4771,
-4770,
&END
-----
&ROUTE M=4,L=77, ONEWAY=F,
ID='ROUTE 7A:INTL MALL-CBD',
RG=75,
H=40.0,
N= -4407,-4257, 4407,-3551, 4408,-4583,-3225,-3177, 4587,
-3178,-3224,-4593,
-4592,-4596, 4598,-4599,-4601, 1859, 1861,-4602,-4603,-4604,
-3262,-4607,-4606,-4609, 1808,
-4617,-4621,-4626,-4628,-4630,-4634,-4636,-4638,-4643,-4646,
-4650,-4652,-4657,-4658,-4662,-4663,-4668,-4669,-4673,-4680,
-4679,-4689,-4701,-4721,-4735,-4738,-4745,-4755, 4765, 4775,
-4739, 4740, 4741, 4972,-4982, 4986, 4996, 5002, 5012,-5018,
5017,-4793, 4792, 4791, 4790, 4789,-4788,-4787, 4779, 4778,
-4769, 4753,-4750, 4749,-4748,
&END
***** METROBUS ROUTE 8 *****
&ROUTE M=4,L=80, ONEWAY=F,
ID='RTE 8:FIU TAMiami -> CBD',
RG=80,
H=15.0,
N= -5081,-5082,-3279,-5083,-3276,-5087,-5088,-5089, 5093,-5094,
5093,-5096,-5093,-5092,-3268,
-5091,-5090,-5098,-4863, 4864,-3598,
-4866,-4867,-4868,-4870,-4871,
4873,-4874,-4877,-4878,-4879,-4881,-4882,-4883,-4886,-4887,
-4892,-4894,-4897,-4898,-4901,-4902,-4904,-4908,-4914,

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-4918,-4922,-4926,-4930,-4933,-4938,-4941,-4946, 4957,-4964,
-4970,-4979,-4993,-5011,-5010,
-5009, 5008,-5021, 5020,-5019, 5018,
-5017, 4793, 4792, 4791,-4790, 4789,-4788, 4787,-4786,
&END

&ROUTE M=4,L=81, ONEWAY=F,

ID='RTE 8:WCHESTER SC -> CBD',
RG=80,
H=30.0,
RL=80,
N= -5096,-5093,-5092, 0, 4787,-4786,
&END

***** METROBUS ROUTE 9 *****
&ROUTE M=4,L=83, ONEWAY=F,

ID='RTE 9:AVENTURA MALL- CBD',
RG=83,
H=40.0,
N= -2102,-2101,-2100,-2098,-2099,-2203,-2985,-2204,-2200,-2198,
-2197, 2194, 2190,-2189,-2187,-2188,-2316,-2317,-2321,-2322,
-2326,-2329,-2330,-2331,-2327,-2324,-2318,-1885,-2313,-2311,-2312,
-3212,-2441,-2442,-2443,-2564,-2565,-2691,-2692,-2693,-2690,
-3204,-2265,-2687,
-2797,-2798,-2799,-2800,-2893,-2894,-2896,-3050,-3051,-3052,
-3053,-3054,-4100,-4102,-4103,-4104,-4241,-4242,-4243,
-4392,-4393,-4394,-4552,-4550,-4540,-4541,-4542,-4543,-4544,
-4546,-4548,-4549,-4783,-4784,-4786,-4787,-4788,-4789,-4790,
-4791, 4792, 4793, 5017, 5018, 5012, 5002, 4996,-4986,-4982,
&END

&ROUTE M=4,L=84, ONEWAY=F,

ID='RTE 9: 163 ST MALL- CBD ',
RG=83,
H=20.0,
RL=83,
N= -2326,-2329,-2330, 0,-4986,-4982,
&END

***** METROBUS ROUTE 10 *****
&ROUTE M=4,L=87, ONEWAY=F,

ID='RTE 10:163 ST MALL - CBD',
RG=87,
H=40.0,
N= -2324,-2327,-2331,-2330,-2329,-2326,-2322,-2323, 2324,-2449,
-3210,-2930,-2450,-2451,-2570,-2571,
-2700,-2701,-2698,-2696,-2693,-2690,-6357,-2689,-2684,-2679,
-2680,-2681,-2683,-2782,-2687,-2797,-2798,
-2799,-2800,-2893,-2894,-2896,-3050,-3051,-3052,-3053,-3054,
-4100,-4102,-4103,-4104,-4241,-4242,-4243,-4392,-4393,
-4394,-4552,-4550,-4540,-4541,-4542,-4543,-4544,-4546,-4548,
-4549,-4783,-4784,-4786,-4787,-4788, 4789,-4790,-4791, 4792,
4793, 5017, 5018, 5012, 5002, 4996, 4986,-4982,
&END

***** METROBUS ROUTE 11 *****
&ROUTE M=4,L=89, ONEWAY=F,

ID='RTE 11: FIU - CBD ',
RG=89,
H=10.0,
N= -5078, 4848,-4849,-4852,-4851,-4584,-4582, 4584,-4586,-4588,
-4589,-4591,-4594,-4597,-4601,-4599, 4601, 1859,-1861,
-4602,-4603,-4604,-3262,
-4607,-4608,-4611,-4612,-4614,-4616,-4618,
-4619,-4623,-4627,-4632,-4633,-4641,-4642,-4648,-4649,-4654,
-4656,-4909,-4911,-4916,-4919,-4923,-4927,-4931,-4934,-4939,
4942, 4947, 4966,-4972,-4982, 4986, 4996, 5002, 5012,-5018,
5027, 5030, 5041,-5043,-5047,-5049,
&END

=====
&ROUTE M=4,L=90, ONEWAY=F,

ID='RTE 11:MIDWAY MALL - CBD',
H=15.0,
RG=89,
RL=89,

N= -4599,-4601, 1859, 1861, 0,-5043,-5047,-5049,
&END

***** METROBUS ROUTE 12 *****
&ROUTE M=4,L=95, ONEWAY=F,

ID='RTE 12:NS-MERCY VIA 12AV',
RG=95,
H=30.0,

N= -2988, 2986, 2988,-2992,-2993,-2997,-3001,-3004,-3006,-3007,
-3009,-3013,-3016,-3020,-4071,-4072,-4069, 4072,-4073, 4072,
4073,-4074,-4076,-4077,-4210,-4211,-4212, 4213,-4214,-4216,
-4350,-4351,-4352,-4353,-4354,-4356,-4359,-4366,-4483,-4484,
-4481,-4478,-4474,-4472,-4471,-4477, 4478,-3494,
4479,-4480,-4669,
-4670,-4671,-4927,-4928,-4929,-4930,-5179,-5180,-5181,-5178,
5181,-5184, 5186,-5187,-3571, 5329, 5334,-5331,
-5327,-5323,-5321,

&END

***** METROBUS ROUTE 16 *****
&ROUTE M=4,L=101, ONEWAY=F,

ID='RTE 16:163 ST MALL - CBD',
RG=71,
H=20.0,

N= -2331, 2330,-2329,-2326,
-2322,-2323,-2324,-2327, 2331,-3209,-2453,-2454,-2574,-2576,
-2577,-3138,-2704,-2706,
-2703,-2702,-2701,-2698,-2696,-2693,-2694,-3134,
-2802,-2803,-2804,-2806,-2898,-2899,-2900,-3060, 3061,-3062,
-3063,-3064,-3066,-4108,-4109,-4110,-4111,-4244,-4246,-4247,
4248,-4249,-4396,-4397,-4398,-4399,-4564,-4566, 4567,-4568,
4569, 4571,-4572, 4573,-4819,-4820, 4821,-4822, 4823,-4824,
4826, 4827,-4828, 5049, 5047,-5043, 5041, 5030, 5027, 5018,
-5012, 5002, 4996, 4986,-4982,

&END

***** METROBUS ROUTE 17 *****
&ROUTE M=4,L=105, ONEWAY=F,

ID='RTE 17:VZ STA - NORWOOD ',
RG=105,
H=30.0,

N= -5181,-5178,-5177,-5176,-2830,-5174,-4922, 4921,-4920,
-4919, 4666,-4664,-4663, 4469,-3498,-4468, 4467,-4466,
-4464,-4336,-4334,-4333,-4332,-4331,-4330,-4204,-4203,-3428,
-3426, 4201,-4197,
4191,-4192,-3423,-4193, 3423,
4192, 4191, 4197, 4201,-4200,-4199,-4068,-4067,-4066,
-4064,-3013,-3012,-3011,-3010,-2873,-2872,-2871,-2778,-2657,
-2656,-2654,-2653,-2649,-3127,-2536, 2534,-2413,-2412,-2411,
-2410,-2409,-2408,-2287,-2286,-2158,-3065,-2157, 2156,-2062,
-2156, 2157,-2159,-2160,-2164,-2168,-2167,-2067,-2819,-2068,
-2877,-2171,-2875,-2172,

&END

***** METROBUS ROUTE 21 *****
&ROUTE M=4,L=110, ONEWAY=F,

ID='RTE 21:NW27AVE&160ST-CBD',
RG=110,
H=60.0,

N= -2400,-2401,-2402,-2403,-2404,-2527,-2528,-2529,-2530,
-2531,-2644,-2646,-2647,-2643, 2647,-2769,-2770,-2771,-2861,
-2862,-6369,
-2863,-2996,-2997,-3001,-3004,-3006,-3007,-3009,-3013,
-3016,-3020,-4071,-4072,-4069, 4072,-4073,-4074,-4076,-4077,

-4210, -4211, -4212, 4213, -4214, -4216, -4350, -4351, -4352, -4353, -4354, -4356, -4359, -4366, -4483, -4490, -4496, -4508, -4511, -4512, -4513, -4514, -4506, -4507, -4687, -4688, -4689, -4701, -4721, -4735, -4738, -4745, -4755, 4765, -4775, 4739, 4740, 4741, 4972, -4982, -4986, &END

&ROUTE M=4,L=111, ID='RTE 21:NORTHSIDE - CBD ', ONEWAY=F, RG=110, H=60.0, RL=110, N= -2989, -2988, -2992, -2993, -2997, 0, -4982, -4986, -4752, &END

***** METROBUS ROUTE 22 *****

&ROUTE M=4,L=112, ID='RTE 22:163ST MALL->GROVE', ONEWAY=F, RG=112, H=60.0, N= -2326, -2322, -2323, -2324, -2318, -1885, -2313, -2311, -2309, -2308, -2306, -1751, -1732, -2299, -2300, 2299, 2293, -2291, 2292, -2416, -2408, -2409, -2410, -2411, -2412, -2413, -2534, 2536, -3127, -2649, -2650, -3128, -2651, -2774, -2776, -2866, -2867, -2868, -2869, -3003, -3004, -3006, -3007, -4058, -4059, -4060, -4061, -4189, -4190, -4191, -4192, -3423, -4193, -4194, -4196, -4322, -4323, -4324, -4326, -4327, -4458, -4459, -4460, -4461, -4658, -4659, -4660, 4910, -4911, -4912, -4913, 4914, -5169, -2825, -5170, -5171, -5312, -5313, -5314, -5316, -5454, -5452, -5451, &END

&ROUTE M=4,L=113, ID='RTE 22:163ST MALL-SC STA', ONEWAY=F, RG=112, H=60.0, RL=112, N= -2326, 0, -4326, -4327, -4328, -4336, -4339, -4346, -4349, -4356, -4477, &END

***** METROBUS ROUTE 24 *****

&ROUTE M=4,L=115, ID='RTE 24:FIU TAMiami-CBD ', ONEWAY=F, RG=115, H=15.0, N= -5081, -5082, -3279, -5083, -3276, -5087, -5088, -5089, -5093, -5096, -5097, -5100, -5101, 5103, -3607, -5104, -5106, -5109, -5110, -3259, -5113, -5114, -5118, -5119, -5121, -5122, -5128, -5129, -5270, -5273, -5279, -5280, -5142, -5140, -5139, -5143, -5148, -5149, -5150, -5152, -5158, -5159, -5162, -5163, -5167, -5168, -5171, -5172, -5173, -5177, -5178, 5181, -5184, 5186, -5188, -5189, -5190, -5192, -5194, -5197, -5199, -5201, -5200, -5039, 5038, -5037, -5036, -5035, 5034, 5033, -5032, 5031, 5030, 5027, -5018, 5012, 5002, 4996, -4986, &END

&ROUTE M=4,L=117, ID='RTE 24:WESTCHESTER-CBD ', ONEWAY=F, RG=115, H=30.0, RL=115, N= -5093, 0, -4986, &END

***** METROBUS ROUTE 27 *****

&ROUTE M=4,L=119, ID='RTE 27: CALDER ->FLAGLER', ONEWAY=F,

RG=119, H=30.0,

N= -2007, -2010, -2011, -2057, -2058, -2056, -6366, -2054, -3107, -2139, -2140, -6363, -2143, -2147, -2148, -2150, -2151, -2152, -2153, -2280, -2281, -2400, -2401, -2402, -2403, -2404, -2527, -2528, -2529, -2530, -2531, -2644, -2646, -2647, -2643, 2647, -2769, -2770, -2771, -2861, -2862, -6369, -2863, -2996, -2997, -2998, -2999, -3000, -4051, -4052, -4053, -4054, -4180, -4181, -4182, -3413, -4183, -3416, -4184, -4186, -4313, -4314, -4316, -4317, -4318, -4319, -4453, -4454, -3509, -4456, -4651, -4652, -4653, -4654, &END

***** METROBUS ROUTE 27 *****

&ROUTE M=4,L=121, ID='RTE 27:CALDER ->GROVE', ONEWAY=F, RG=119, H=22.0, N= -2007, -2010, -2011, -2057, -2058, -2056, -6366, -2054, -3107, -2139, -2140, -6363, -2143, -2147, -2148, -2150, -2151, -2152, -2153, -2280, -2281, -2400, -2401, -2402, -2403, -2404, -2527, -2528, -2529, -2530, -2531, -2644, -2646, -2647, -2643, 2647, -2769, -2770, -2771, -2861, -2862, -6369, -2863, -2996, -2997, -2998, -2999, -3000, -4051, -4052, -4053, -4054, -4180, -4181, -4182, -3413, -4183, -3416, -4184, -4186, -4313, -4314, -4316, -4317, -4318, -4319, -4453, -4454, -3509, -4456, -4651, -4652, -4653, -4654, -4899, -4900, -4901, -5164, -2821, -5166, -5167, -5307, -5308, -5309, -5310, -5453, -5454, -5452, -5451, -5449, -5446, &END

***** METROBUS ROUTE 28 *****

&ROUTE M=4,L=129, ID='RTE 28:FIU NORTH-HLH STA', ONEWAY=F, RG=129, H=30.0, N= -2464, -2462, 2463, -2578, -2579, 2577, -2573, -2571, -2568, -2566, -2565, -2563, -6358, -2562, 2560, -2559, -2558, -2556, 2554, -2551, -2548, -2546, -2543, -2541, -2537, -2536, -2533, -2531, -2521, -2520, -2518, 2512, -2513, -2637, -2638, -2636, -2633, -2634, -2756, -2757, -2758, -2846, -2847, -2848, 2849, -2969, -2970, 2971, -2966, -2963, -2962, -2961, -2842, -2844, &END

***** METROBUS ROUTE 29 *****

&ROUTE M=4,L=131, ID='RTE 29: VOTECH -TRI PRK', ONEWAY=F, RG=131, H=70.0, N= -2249, -2250, -2384, -2386, 2503, 2504, -2502, -2499, -2500, -2501, -2618, -2619, -2616, -2613, 2611, -2609, -3721, 2608, -2607, 2608, 3721, 2609, -2611, -2612, -2733, -2734, -2736, -2824, -2826, 2924, -2931, -2933, -2941, -2943, -2950, -2952, -2953, -2959, -2961, -2962, -2963, -2966, -2967, -4017, -4018, 4019, -4021, -4020, 4013, -4012, -4019, &END

***** METROBUS ROUTE 32 *****

&ROUTE M=4,L=133, ID='RTE 32:CAROL CITY - OMNI', ONEWAY=F, RG=133, H=30.0, N= -2004, -2817, -2051, -2052, -3111, -2132, -2133, -3100, -2134, -3102, -2258, -2260, -2263, -2264, -2390, -2392, -2270, -2269, -3090, -2141, -2144, -2146, -2274, -2276, -2396, -2397, -2398, -3203, -2394, -2514, -2516, -2517, -2518, -2520, -2521, -2522, -2641, -2642, -2643, -2647, 2643, -2764, -2766, -2767, -2858,

-2859, -6368, -2165, -2987, -2988, -2992, 2988,
-2989, -2990, -2991, -4044, -4046, -4047, -4048, -4173, -4174, -4176,
-4177, -4307, -4308, -4309, -4306, -4319, -4321, -4327, -4328, -4336,
-4339, 4346, -4471, -4477, -4356, -4359, -4366, -4368, -4374, -4377,
-4378, -4383, -4384, -4391, -4394, -4552, -4553, -4554, -4566, -4578,
-4574,

&END

***** METROBUS ROUTE 33 *****

&ROUTE M=4, L=135, ONEWAY=F,
ID='RTE 33:LITTLE RIV-HL GDN',
RG=135,
H=45.0,

N= -3063, -3068, -3067, -3148, -3147, -2903, -2901, -2899, -2897,
-2894, -2890, -2886, -2883, -3393, -2882, -2880, -2876, -2781, -2871,
-2870, -2867,
-2866, -2776, -2773, -2772, -2770, -2768, -2766, -2763, -2762, -2761,
-2759, -2757, -2754, -2752, -2750, -2748, -2746, -2743, -2741, -2739,
-2737, -2734, -2732, -3715, -2731, -2729, -2728, -2723, -2722, -2719,
-2726, -2721, -2717,

&END

***** METROBUS ROUTE 35 *****

&ROUTE M=4, L=137, ONEWAY=F,
ID='RTE 35:MDCC-S ->FLA CITY',
H=60.0,

N= -5656, -5653, -5651, -5652, -5697, -5698, -5752, -5753, -5754, 5753,
-5801, -5802, -1785, -5803, -1786,
-5804, -5807, -5808, -5811, -5838, -5839, -5841, -5842, -5886, -5887,
-5952, -5953, -5954, -1705, -1725, -5948, -5999, -5998, -5997,
-5996, -6003, -6004, 6006, -1667, -1685, -1670, -1660, -6002,
-6001, -5993, -5992, -6046, -6044, -6043,
-6041, -6042, -6098, -6096, -6094, -6137, -6134, -6133, -6136, -6181,
-6179, -6177, -6172, -6173, -6174, -6176, -6234, -6229, -6226, -6227,
-6228, -6223, -6222, -6219, -6212, -6211, -6209, -6208, -6258, -6259,
-6256, -6253, -6249, -6251, -6252, -6294, -6296, -6297, -6298, -6299,
-6304,

&END

***** METROBUS ROUTE 36 *****

&ROUTE M=4, L=143, ONEWAY=F,
ID='RTE 36:ROGER CENTER-OMNI',
RG=143,
H=40.0,

N= -3083, -3082, -3086, -3087, -3088, -3089, -4132, -3667, -3680, -3678,
-3668, -4134, -4137, -4142, 4146, 4149,
-4151, -4152, -4157, -4161, -1897, -1900, 1901, -1909, 1912, -1916,
-4168, -4172, -4177, -4179, -4186, -4188, -4196, -4198, -4204, -4206,
-4208, -4209, -4216, -4217, -4218, -4224, -4227, -4232, -4233, -4239,
-4243, -4249, -4396, -4397, -4398, -4399, -4564, -4566, -4554, -4556,

&END

***** METROBUS ROUTE 36 *****

&ROUTE M=4, L=145, ONEWAY=F,
ID='RTE 36: HOOK SQ - OMNI ',
RG=143,
H=60.0,
RL=143,

N= -4015, -4016, -4022, -4020, 4015, -4014, -4010, -4004, -4003, -3099,
3098, -4138, 4139, 4141, -4142, -4146, 0, -4556,

&END

***** METROBUS ROUTE 37 *****

&ROUTE M=4, L=146, ONEWAY=F,
ID='RTE 37:SM STA - HIALEAH ',
RG=146,
H=30.0,

N= -5513, -5506, -5507, -5509, -5511, -5517, -5522, -5529, -5531, -5532,
-5536, -5534, -5537, -5444, -5443, -5442, -5441, -5440, -5439, -5437,
-5436, -5434, -5290, -5291, -5296, 5291, 5296, -5294, -5293, -5292,
-5158, -5157, -5156, -5154, -2815, -5153, -4892, -4891, -4890, -4641,

-4640, -4639, -4638, -4637, -4450, -2245, -4448, -3183, -4297, -4292,
4291, -4288, -4291, 4292, 4297, 4292, 4291, 4288, 4291, -4290,
-1904, 1902, -1900, 1901, -1909, 1901, 1900, -1897, -4161, -4157,
-4156, -4154, -4153, -4031, -4030, -4026, -4021, -4019, -4018,
-4017, -2967, -2966, -2963, -2962, -2961, -2842, -2841, -2840, -2753,
-2752, -2751, -2629, -2628, -3124, -2627, -2623, -2625, -2622, -2507,

&END

***** METROBUS ROUTE 40 *****

&ROUTE M=4, L=150, ONEWAY=F,
ID='RTE 40A:132AV&8->GABLES ',
RG=150,
H=60.0,

N= -4839, -4841, -4842, -5064, -5066, -5067, -5068, -5216, -5217, -3332,
-5218,
-3323, -5219, 5223, -5224, -5226, -5228, -5229, -5232, -5233, -5237,
-5238, -5242, -5243, -5247, -5248, -5245, -5255, -5250, -5251,
-5253, -5254, -5256, -5257, -5259, -5261, -5264, -5268, -5269, -5278,
-5284, -5286, 5290, 5291, 5296, -5439, -5296, -5291, -5290, -5289,
-5288, -5287, -5150, -5149, -5148, -5143, -5139,

&END

***** METROBUS ROUTE 40 *****

&ROUTE M=4, L=151, ONEWAY=F,
ID='RTE 40:122AV&10->GABLES ',
RG=150,
H=60.0,
RL=150,

N= -4839, -4841, 4842, -4843, -4844, -5069, -5071, -5072, -5073,
-5218, 0, -5143, -5139,

&END

***** METROBUS ROUTE 41 *****

&ROUTE M=4, L=152, ONEWAY=F,
ID='RTE 41:N36/BB->COC GR ST',
RG=73,
H=60.0,
RL=73,

N= -4330, -4331, -4337, -4341, -4347, -4351, -4357, -4361, -4370, -4376,
-4380, -4386, -4388, -4389, -4390, -4391, -4531, -4540, -4541, -4542,
-4543, -4544, -4546, -4548, -4549, -4783, -4784, -4786, -4787, -4788,
-4789,
-4790, -4781, -4772, -4763, -4758, -4765, -4775, -4739, -4740, -4741,
-4972, -4973, -4974, -4984, -4998, -5007, -5008, 0, -5309,

&END

***** METROBUS ROUTE 42 *****

&ROUTE M=4, L=153, ONEWAY=F,
ID='RTE 42:OPA LKA-DINNERKEY',
RG=153,
H=60.0,

N= -2517, -3230, 2523, 3025, -2530, -2531, -2521, -2520, -2518,
-2512, -2513, -2637, -2638, -2639, -2760, -2761, -2851, -2852, -2853,
-2976, -2977, -2978, -2980, -4034, -4036, -4037, -4038, -4162,
-4163, -4164, -1898, 1899, -1900, 1902, -1904, -4290, -4291,
-4288, 4291, -4441, -4442, 3529, -4443, -3532, -3533, -3522,
-4629, -4630, -4631, -4632, -4633, -4641, -4890, -4889, -4888, -4887,
-5146, 5147, -5148, -5149, -5150, -5144, -5142, -5280, -5281, -5282,
-5283, -5284, -5286, -5290, -5291, 5296, -5439, -5437, -5436, -5434,
5290, 5291, -5296, -5297, 5298, -5303, -5448, -5449, -5451, -5452,
-5454, -5453,

&END

***** METROBUS ROUTE 48 *****

&ROUTE M=4, L=157, ONEWAY=F,
ID='RTE 48: SM STA - OMNI ',
RG=157,
H=60.0,

57N= -5510, -5514, 5513, -5512, -3193, -5504, -5506, -5507, 5509,
5510, 5514, -5513, -5520, -5523, -5526, -5527, -5426, -3341, -5530,
-5432, -5431, -5433, -5438, -5441, -5440, 5439, -5437, -5436, -5434,

-5290, -5291, -5296, -5439, 5440, 5441, -5446, -5449, -5451, -5452,
 -5454, -5316, -5317, -5321, -5323, -5327, -5332, -5336, -5341,
 -5347, -5346, -5201, -5200, -5039, -5038, -5037, -5036, -5035,
 -5034, -5033,
 5032, -5031, -5030, -5041, -5043, -5047, -5049, -4828, -4827, -4826,
 -4824, -4823, -4822, -4821, -4820, -4819, -4573, -4572, -4571, -4569,
 -4568, -4567, -4566, -4564, -4578,
 &END

***** METROBUS ROUTE 52 *****

&ROUTE M=4,L=159, ID='RTE 52:CR GOVCNTR-GABLES', ONEWAY=F,
 RG=159,
 H=60.0,
 N= -6059, 6058, -6056, -6052, -6001, -6003, -6004, -6006, 5951, -5950,
 -5948, -5943, -5942, -3160, -5941, -5939, -5881, -5878, -5877, -5875,
 5877, 5878, 5881, -1755, 5883, -5884, -5887, -5888, -5889, -5890,
 -5891, -5897, -5896, -5848, 5846, -5844, -5843, -5842, -5837, -5807,
 -5804, 5807, -5808, -5811, -5812, -5813, -5814, -5816, -5769, -5770,
 -2730, -5771, -5717, -5718, -5719,
 -5720, -5667, -5669, -5603, -5602, -5601,
 -5608, -5607, -3249, -5606, -5604, -5613, -5617, -5508, -5507, -5509,
 -5510, -5514, -5513, -5512, -5519, -5520, -5523, -5526, -5424, -3190,
 -5423, -5268,
 -5269, -5272, -5277, -5282, -5281, -5280, -5142, -5144, -5150,
 &END

***** METROBUS ROUTE 54 *****

&ROUTE M=4,L=163, ID='RTE 54:WESTLAND-BB&54 ST', ONEWAY=F,
 RG=163,
 H=60.0,
 N= -2602, 2723, -2728, -2729, 2731, -3715, -2732, -2734, -2737, -2739,
 -2741, -2743, -2744, -2832, -2833, -2943, -2944, 2946,
 -2938, 2936, 2938, -2946, -2956, -2963, -2966, -2971, -2972, -4027,
 -4028, -4029, -4030, -4033, -4038, -4040, -4042, -4043, -4048, -4050,
 -4054, -4057, -4061, -4063, -4068, -4070, -4077, -4079, -4084, -4091,
 -4093, -4098, -4099, -4104, -4107, -4111, -4110,
 &END

***** METROBUS ROUTE 56 *****

&ROUTE M=4,L=165, ID='RTE 56:MDCC-S ->CG TERM ', ONEWAY=F,
 RG=165,
 H=60.0,
 N= -5653, -5651, -5649, -5571, -3299, -5572, -3298,
 -5474, -5473, -5378, -5379, -5383, -5384, -5386, -5387, -5391,
 -5392, -5393, -5397, -5399, -5401, -5402, -5404, -3616, -5406, -5408,
 -5411, -3195, -5416, -3194,
 -5419, -5422, -5519, -5520, -5523, -5526, -5424, -3190, -5423,
 -5268, -5269, -5272, -5277, -5282, -5281, -5280, -5142, -5140, -5139,
 -5143, -5148,
 &END

***** METROBUS ROUTE 62 *****

&ROUTE M=4,L=170, ID='RTE 62:MLK STA- OMNI ', ONEWAY=F,
 RG=169,
 H=60.0,
 N= -4052,
 -4056, -4059, -4062, -4066, -4069, -4072, -4078, -4081, -4086, -3405,
 -4088, -4090, -4096, -4102, -4106, -4109, -4110, -4111, -4244, -4246,
 -4247, -4248, -4249, -4396, -4397, -4398, -4399, -4564, -4566, -4554,
 -4556, 4562, -4567,
 &END

***** METROBUS ROUTE 62 *****

&ROUTE M=4,L=171, ID='RTE 62:MLK STA-BAL HAVOR', ONEWAY=F,
 RG=169,

H=30.0,
 RL=169,

N= -4052,
 -4056, -4059, -4062, -4066, -4069, -4072, -4078, -4081, -4086, -3405,
 -4088, -4090, -4096, -4102, -4106, -4109, -4110, -4111, -4244, -4246,
 -4247, -4248, 4249, 3459, 4250, 3457, -1572, -1574, -1576,
 -1577, -1578, -1579,
 &END

***** METROBUS ROUTE 62 *****

&ROUTE M=4,L=172, ID='RTE 62:TRI PK -BAL HAVOR', ONEWAY=F,
 RG=169,
 H=30.0,
 RL=169,
 N= -4022, -4020, -4021, -4019, -4018, -4024, -4028, -4032, -4036, -4039,
 -4041, -3143, -4046, -4049, -4052,
 -4056, -4059, -4062, -4066, -4069, -4072, -4078, -4081, -4086, -3405,
 -4088, -4090, -4096, -4102, -4106, -4109, -4110, -4111, -4244, -4246,
 -4247, -4248, 4249, 3459, 4250, 3457, -1572, -1574, -1576,
 -1577, -1578, -1579,
 &END

***** METROBUS ROUTE 65 *****

&ROUTE M=4,L=173, ID='RTE 65: OLD CUTLER EXP ', ONEWAY=T,
 RG=173,
 H=65.0,

N= -5291, 5296, -5439, -5440, 5441, -5438, 5433, 5431, -5432, -5533,
 -5534, -5536, -5628, -5627, -5626, -5678, -5677, -5736, -5733, 5734,
 -5782, 5734, -5731, -5729, -5727, 5724, -5773, -5774, -3307,
 -5772, -5769, 5770, 5771, 5717, 5718, 5719, 5720, 5667, 5669,
 5603, 5609, 5610, -3666, 5614, 5617, 5508, 5509, 5510, 5514,
 5521, 5527, 5426, 5431, 5433, 5437, 5439, 5296, -5291,
 &END

***** METROBUS ROUTE 67 *****

&ROUTE M=4,L=174, ID='RTE 67:CB TERM->MDCC-S ', ONEWAY=F,
 RG=174,
 H=60.0,

N= -5149, -5148, -5143, -5139, 5133, -5130, -3347, 5126, -5120, 5119,
 -5118, -3258,
 -5117, -5112, -2775, -5111, -5107, -2765, -5108, -5109, -5252, -3255,
 -5253, -3253, -5409, -5410,
 -5411, -3197, -5412, -5500, -5501, -5502, -5613, -5604,
 -5610, 5604, -5606, -3249, -5607, -5608, -5601, -5600, -3637, 5599,
 -5598, -5597, -5596, -5594, -5593, -5590, -5589, 5586, -5584, -3300,
 -5660, -5661, -3301, 5709, 5708, 5704, -5703, 5701, -5699, -5653,
 &END

***** METROBUS ROUTE 70 *****

&ROUTE M=4,L=175, ID='RTE 70:FLA CITY->CR MALL', ONEWAY=F,
 RG=175,
 H=60.0,

N= -6309, -6308, -6304, -6299, -6298, -6297, -6296, -6294, -6252, -6251,
 -6249, -6253, -6256, -6259, -6258, -6208, -6209, -6211, -6212, -6219,
 -6222, -6221, -6216, -6214, -6162, -6161, -6163, -6164, -6166, -6169,
 -6174, -6173, -6172, -6172, -6179, 6177, 6172, -6171, -6127, -6133,
 -6136, -6139, -6141, -1580, -6182, -6191, -6143, -6146, -6147, -6104,
 -1630, -6103, -6102, -6054, -6053, -6052, -6056, -6058, -6059, -6010,
 -6009, -6008, -1670, -1660, -6002,
 -6001, -6003, -6000, -5998, -5999, -5948, -5950,
 &END

***** METROBUS ROUTE 71 *****

&ROUTE M=4,L=177, ID='RTE 71:MDCC-S->INTL MALL', ONEWAY=F,

RG=177,
H=60.0,

N= -5653,-5656,-5654,-5578,-5577,-5481,-5479,-5473,
-5378,-5377,-1815,-5223,-5224,-5226,-5228,-3286,-5227,-3282,
5082,-5081,-5078, 5081,
-4852,-4851,-4584,-4582, 4584,-4583,-4408,-3551,-4407,-4257,
&END

***** METROBUS ROUTE 72 *****

&ROUTE M=4,L=181, ONEWAY=F,

ID='RTE 72:SW140A&47->GABLES',
RG=181,
H=60.0,

N= -5368, 5369,-5367,-5366,-5364, 5366, 5367,-5369,-5371,-5464,
-5466,-5467,-1990,-5469,-5471,-5470,-5474,-5476,-5481,-5482,
-5484,-5486,-5489,-5493,-5494,-3634,-5496,-5498,-5501,-5503,
-5507,-5509,-5510, 5514,-5513,-5512,-3192,-5419,-5418,-5417,
-3188,-5259,-3256,-5258,-5118, 5258, 5260,
-5262, 5263, 5267,-5271, 5276,-5274,-5273,-5279,-5280,-5142,
-5144,-5150,-5149,-5148,-5143,-5139,
&END

***** METROBUS ROUTE 73 *****

&ROUTE M=4,L=183, ONEWAY=F,

ID='RTE 73:MI LKS- DS STA ',
RG=183,
H=60.0,

N= -2250,-2384,-2386,-2383,-2382,-2381,
2379,-2493,-2494,-2497,-2498,
-2614,-2616,-2617,-2738,-2739,-2740,-2828,-2829,-2933,-2934,
-2936,-2938, 2936,-2937,-2932,-2928,-2929,-3093,-3094,-3096,
-4136,-4137,-4272,-4273,-4274,-4276,-4416,-1886,-4419,-4422,
-4423,-3578, 1875,-1888,-1889, 4603,-4604,-3262,-4607,-4869,
-4870,-5107,-2765,-5108,-5109,-5252,-3255,-5253,-3253,-5409,
-5410,-5411,-3197,-5412,-5500,-5501,
-5502, 5613, 5604,-5606,-3249,-5607,-5608,-5601,-5602,-5603,
&END

***** METROBUS ROUTE 74 *****

&ROUTE M=4,L=186, ONEWAY=F,

ID='RTE 74:N-SIDE STA->BISC',
RG=186,
H=60.0,

N= -2922,-2926,-2927, 2928,-2929, 2938,-2946,-2956,-2963,-2966,
-2971,-2978,-2980,-2982,-2984,-3141,-2991,-2994,-3000,-2999,
-2998,-2997,-3001,-3004,-3006,-3007,-3009,-3013,-3016,-3020,
-3023,-3029,-3034,-3040,-3047,-3054,-3056,-3057,-3066,-3064,
-3063,-3062,-3061,-3058,
&END

***** METROBUS ROUTE 75 *****

&ROUTE M=4,L=187, ONEWAY=F,

ID='RTE 75:ML VOTECH->MDCC-N',
RG=187,
H=30.0,

N= -2384,-2250,-2249,-2129,-3104,-2131,-3103,-2134,-3101,
-2138,-3095,-2141,-3085,-2144,-2075,-2152,-3075,-2158,-3080,
-2162,-2065,-2169,
-2164,-2168,-2167,-2067,-2819, 2068,-2877,-2171,-2875, 2172,
-2060, 2174,-2178,-2179,-2182,-3360,-2184,
-2187, 2189,-2190, 2191,-2192,-2328, 2329,-2326, 2329,-2330,
-2331,-3209,-2453,
-2454,-2574,-2572,-2570,-2568,-2695,-2692,-2693,
-2690,-3204,-2265,-2687,-2782,-2683,-2681,-2677,
-2673,-2669, 2668,-2666,-2662,
-2660,-2658,-2656,-2652,-2650,-2648,-2646,-2647,-2643,
&END

***** METROBUS ROUTE 77 *****

&ROUTE M=4,L=189, ONEWAY=F,

ID='RTE 77:NW183ST&7AVE->CBD',
RG=189,
H=45.0,

N= -2173,-2072,-2071, 2070,-6367,
-2068,-2877,-2171,-2875,-2172, -2060,
-2174,-2176,-2177, 1702, 1703, 1704, 1707, 1709, 1713, 1714,
1719, 1732,-1721,-1732, 1728, 1724,-3055,-2421,-2422,-2423,
-2549,-2550,-2551,-2552,-3132,-3220,-2663,-2664,-2666,-2110,
-2783,-2784,-2879,-2880,-2881,-3146,-3024,-3026,-3027,-3028,
-3029,-4080,-4081,-4082,-4083,-4084,-4220,-4221,-4222,-4223,
-4224,-4369,-4370,-4371,-4372,-4373,-4374,-4490,-4491,-4492,
-4493,-4494,-4676,-4677,-4678,-4679,-4684,-4686,-4691,-4693,
-4696,-4697,-4950,-4967,-4973,-4972,-4982,-4986, 4996,-5002,
5012,-5018, 5027, 5030, 5041,-5043, 5047,-5049,-4828,
&END

***** METROBUS ROUTE 76 *****

&ROUTE M=4,L=190, ONEWAY=F,

ID='RTE 77:441&199ST - CBD ',
RG=189,
H=60.0,
RL=189,

N= -2172,-2875,-2171,-2877,-2068,-6367,-2070,-2071, 2072,
-2173,-2174,-2176, 0,-5049,-4828,
&END

***** METROBUS ROUTE 77 *****

&ROUTE M=4,L=192, ONEWAY=F,

ID='RTE 77:OPA LOCKA - CBD ',
RG=189,
H=60.0,
RL=189,

N= -2517,-3230,
-2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,
-2413,-2534,-2536,-2537,-2541,-2543,-2546,-2548,-2551,-2552,
-3132,-3220,-2663, 0,-5049,-4828,
&END

***** METROBUS ROUTE 83 *****

&ROUTE M=4,L=193, ONEWAY=F,

ID='RTE 83:M LAKES-FIU NORTH',
RG=193,
H=30.0,

N= -2386,-2383,-2382,-2381,-2379,-2378,-2377,-2241,-2240,-2232,
-2231,-2519,-2123,-2121, 2123,
-2124,-2127,-6361,-2130,-2133,-6362,-2137,
-6364,-2140,-6363,-2143,-2147,-2148,-2150,-2154,-2157,-2159,
-2160,-2164,-2168,-2055,-2172,-2060,-2174, 2176,
-2177,-2176, 2174, 2173,-2072,-2173, 2174,-2178,-2179,-2182,
-2183,-2310,-2311,-2313,-2314,-2317,-2321,-2322,-2326,-2329,
-2330, 2331,-2332,-2333,-3206,-2865,-2339,-2340,-2344,
-2350,-2461,-2462,-2464,
&END

***** METROBUS ROUTE 87 *****

&ROUTE M=4,L=197, ONEWAY=F,

ID='RTE 87:DN STA-KOGER CTR ',
RG=197,
H=60.0,

N= -5610,-5609,-5608,-5601,-5600,-3637,-5599,-5598,-5597, 5596,
5594, 5593,-5592,-5591,-3648,-5491,-5490,-5489,-5488,-5398,
-5397,-3294,-5396,-5394,-5242,-5241,-5239,-3269,-5094,-5093,
-5092,-3268,-5091,-5090,-4861,
-4859,-4594,-4597,-4601,-4599,-4598,-4596,-4592,-1823,-1822,
-1821,-4414,-4267,-4266,-4263, 4266,-4264,-4128,-4127,-3083,
-3082,
&END

***** METROBUS ROUTE 88 *****

&ROUTE M=4,L=199, ONEWAY=F,

ID='RTE88A:SW88&157AV-DN STA',

```

      RG=199,
      H=60.0,
N= -5545,-5547,-3202,-5548,-5551,-5552,-5553,-5557,-5559,-5561,
   -5562,-5567,-5568,-5565,-5570, 3989, 3993,-5571,-5573,-5574,
   -5576,-5578,-5579,-5581,-5582,-1730,-1731,-5584,-5586,-5589,
   -5590,-5593,-5594,-5596,-5597,-5598,-5599,-3637,-5600,-5601,
   -5608,-5609,-5610,

```

&END

```

-----
&ROUTE M=4,L=200,                                ONEWAY=F,

```

ID='RTE 88:SW84&141AV-DN STA',

RG=199,

H=30.0,

RL=199,

N= -5463,-5466,-5554,-5556,-5557,-5559, 0,-5610,

&END

```

***** METROBUS ROUTE 91 *****

```

```

&ROUTE M=4,L=203,                                ONEWAY=F,

```

ID='RTE 91:CNM SQ-163ST MALL',

RG=203,

H=60.0,

```

N= -2009, 2013, 3977,-2019,-2020,-2022,-2023,-2024,-1995,-2074,
   -2069, 2074,-2076,-2077,-2078,-2079, 2078,-2081,-2082,-3357,
   -2084,-2089,-2090,-2086,-2087,-2193,-2194,-2196,-2336,-2337,
   -2338,-2339,-2865,-3206,
   -2333,-2332,-2331,-2330,-2329,-2326,-2322,-2323,

```

&END

```

***** METROBUS BRICKELL CONNECTION *****

```

```

&ROUTE M=4,L=205,                                ONEWAY=T,

```

ID='BRICKELL CONNECTION',

RG=205,

H=179.0,

```

N= -5193, 4979, 4993, 5011, 5023,-5039,-5200,-5201,
   5200, 5039,-5040, 5039,-5038, 5022, 5010, 4992,
   4978, 4979,-5193,

```

&END

```

*****
*****

```

#####

***** METRORAIL *****

&ROUTE M=5,L=1, ID='METRORAIL: STAGE 1', ONEWAY=F,

H=7.5,

N= -5603,-5610,-5509,-5527,-5439,-5309,-5325,-5196,-4759,-4748,
-4493,-4477,-4356,-4216,-4193,-4054,-4052,-2988,-2983,-2966,
-2938,

&END

***** METRORAIL *****

&ROUTE M=5,L=1,

ONWAY=F,

ID='METRORAIL: STAGE 1',

H=15.0,

N= -5603,-5610,-5509,-5527,-5439,-5309,-5325,-5196,-4759,-4748,
-4493,-4477,-4356,-4216,-4193,-4054,-4052,-2988,-2983,-2966,
-2938,

&END

```

+-----+
|   EXPRESS ROUTES:   |
|   ROUTES 95X ARE UPDATED AS PER   |
|   NOV'89 SCHEDULES   |
+-----+

```

NOTE THAT 240 HAS BEEN ADDED TO ROUTES AND MODE CHANGED TO 4
BY WW PER MYUNG 3/28/95

***** METROBUS ROUTES 95X EXPRESSES *****

```

&ROUTE M=4,L=241, ONEWAY=T,
ID='RT 95X:GG - CBD - 36ST ',
RG=241,
H=10.0,
N= -1721, 1722, 1723, 1768, 1767, 3370, 4226, 4499, 3467, 4500,
3481, 3483, 4502,
4698, 4699, 4700, 4701, 4721, 4735, -4738, -4745, 4755, -4765,
4775, 4739, 4740, 4741, 4972, -4982, 4986, -4996, 5002, 5012,
5018, -5027, 5030, 5041, 5043, -5047, 5049, -4828, -4827, 4826,
-4824, 4823, -4822, 4821, -4820, -4819, 4573, -4572, 4571, 4569,
-4568, 4567, -4566, -4564, -4399, -4398, -4397, -4396, -4249,
&END

```

```

&ROUTE M=4,L=242, ONEWAY=T,
ID='RT 95X:NWD-GG-CBD-36&BB ',
RG=242,
H=30.0,
N= -2174, -2173, -2072, -2071, -2070, -6367, -2068, -2877, -2171, -2875,
-2172, -2060, 2174, -2176,
-2177, 1702, 1703, 1704, 1707, 1709, 1713, 1714, 1719, -1732,
-1721, 1722, 1723, 1768, 1767, 3370, 4226, 4499, 3467, 4500,
3481, 3483, 4502,
4698, 4699, 4700, 4701, 4721, 4735, -4738, -4745, 4755, -4765,
4775, 4739, 4740, 4741, 4972, -4982, 4986, -4996, 5002, 5012,
5018, -5027, 5030, 5041, 5043, -5047, 5049, -4828, -4827, 4826,
-4824, 4823, -4822, 4821, -4820, -4819, 4573, -4572, 4571, 4569,
-4568, 4567, -4566, -4564, -4399, -4398, -4397, -4396, -4249,
&END

```

```

&ROUTE M=4,L=243, ONEWAY=T,
ID='RT 95X:NWD-GG-CBD-BRK ',
RG=242,
H=120.0,
RL=242,
N= -2174, -2173, 0, -5027, 5030, 5031, 5032, 5033, 5034, -5036,
-5037, -5038, -5039, -5200, -5201, -5199, -5197, -5196,
&END

```

```

&ROUTE M=4,L=244, ONEWAY=T,
ID='RT 95X:NORWOOD-GG-CIVCTR ',
RG=242,
H=40.0,
RL=242,
N= -2174, -2173, 0, 4499, 3477, 3478, 3463, 3489, 3494, -4478,
-4474, -4472, 4471, -4477,
&END

```

```

&ROUTE M=4,L=245, ONEWAY=T,
ID='RT 95X:NWD-GG-BAL COMCTR ',
RG=242,
RL=242,
H=120.0,
N= -2174, -2173, 0, 3370, 3369, 3376, 3377, 3382, 3381, 3384,

```

```

3389, 3390, 3395, 3394, 3401, 3400, 3407, 3406, 4087, 3434,
3446, 3447, 3430, 3425, 3421, 3419, 3412, 3411, 3409, 1918,
1914, 1912, 1909, 1901, 1900, -1897, -4161, -4157, -4152, -4151,
-4149, -4146, -4142, -4137, -4134, 3668, 3678, 3680, 3667, -4132,
-4129, -3179, -4128, -4126, -4124, -4123, 4124, 4126, 4128, -4264,
4266, -4263,

```

&END

```

&ROUTE M=4,L=246, ONEWAY=T,
ID='RT 95X:CCTY-GG-CBD-36&BB ',
RG=241,
H=120.0,
RL=241,
N= -2249, 2129, -2131, -2130, -2133, -6362, -2137, -6364, -2140, -6363,
-2143, -2147, -2148,
-2150, -2154, -2157, -3065, -2158, -3080, -2162, -2169, -2065, -2170,
2299, -2300, 2302, 2304, 1672, 1676, 1677, 1716, 1741, 1726,
1728, -1732, -1721, 1722, 1723, 1768, 1767, 3370, 0, 4249,
&END

```

```

&ROUTE M=4,L=247, ONEWAY=T,
ID='RT 95X:CARCTY-GG-CIVCNTR ',
RL=246,
RG=246,
H=55.0,
N= -2249, 2129, -2131, -2130, -2133, -6362, -2137, -6364, -2140, -6363,
-2143, -2147, -2148,
-2150, -2154, -2157, -3065, -2158, -2162, -2169, -2065, -2170, 2299,
-2300, 2302,
2304, 1672, 1676, 1677, 1716, 1741, 1726, 1728, -1732,
-1721, 0, 4499, 3477, 3478, 3463, 3489, 3494, -4478, -4474,
-4472, 4471, -4477,
&END

```

```

&ROUTE M=4,L=248, ONEWAY=T,
ID='RT 95X:GG->CBD->BRICKELL ',
RL=241,
RG=241,
H=120.0,
N= -1721, 0, -5027, 5030, 5031, 5032, 5033, 5034, -5036, -5037,
-5038, -5039, -5200, -5201, -5199, -5197, -5196,
&END

```

```

&ROUTE M=4,L=249, ONEWAY=T,
ID='RT 95X:AVT-GG-CBD-36&BB ',
RG=249,
H=40.0,
RL=241,
N= -2100, 2098, 2097, 2093, -2091, 2089, 2090, 2086, -2087, 2193,
-2194, -2196, -2336, -2334, -2328, -2329, -2326, -2322, -2321, -2317,
2314, -2313, -2311, -2309, -2308, -2306, -1751, 1753, 1754, 1756,
1757, 1713, 1714, 1719, -1732, -1721, 0, -4396, -4249,
&END

```

```

&ROUTE M=4,L=250, ONEWAY=T,
ID='RTE 95X:CLCTY-GG-CBD-BRK ',
RG=246,
RL=246,
H=60.0,
N= -2249, 2129, 0, -5027, 5030, 5031, 5032, 5033, 5034, -5036,
-5037, -5038, -5039, -5200, -5201, -5199, -5197, -5196,
&END

```

***** METROBUS ROUTE 38X *****

```

&ROUTE M=4,L=251, ONEWAY=T,
ID='RTE 38:SOUTH DIXIE EXP ',
RG=251,

```



```

      H=20.0,
N= -6299, 6304, -6303, 6302, -6301, 6263, -6262, 6261, 6259, 6266,
-6267, 6212, -2360, -6217, 6216, 6224, -6166, 6168, -6171, -6127,
  6133, 6134, -6137, -6094, 6096, -6098, -6042, 6041, -6043, -6044,
  6046, -5992, -5993, 6001, 6003, -6000, 5998, 5999, 5948, 1725,
  1729, 1695, 5947, 5882, 5806, 5804, 1786, -5803, 1785, 5802,
  5799, 5751, 1956, 1957, 3656, 3660, 3655, 3650, 3649, 5588,
  3645, 3646, 3663, -5606, -3249, -5607, -5608, -5609, -5610,
      &END
***** KAT KENDALL *****
&ROUTE M=4,L=252,          ONEWAY=T,
      ID='RTE 12:KAT KENDALL ',
      RG=252,
      H=15.0,
N= -5542, 5543, -5546, 5547, -3202, -5548, 5551, -5552, -5553, 5557,
-5559, -5561, -5562, 5567, -5568, -5565, 5570, 3989, 3993, 5571,
  5573, -5574, -5576, 5578, -5579, -5581, 5582, 1730, 1731, 5584,
  5586, -3651, 5588, -3645, -3646, -3663, -5606, -3249, -5607,
-5608, -5609, -5610,
      &END,
***** KAT KILLIAN *****
&ROUTE M=4,L=253,          ONEWAY=F,
      ID='RTE 13:KAT KILLIAN ',
      RG=253,
      H=7.5,
N= -5633, -5634, -5638, -3305, -5639, 5642, -5643, -5644, 5647, -5648,
  5680, 5651, -5653, 5656, 5657, -3657, 3655, 3650, 3649, 5588,
  3645, 3646, 3663, 5606, -3249, -5607, 5608, 5609, -5610,
      &END,
***** KAT SUNSET *****
&ROUTE M=4,L=254,          ONEWAY=F,
      ID='RTE 14:SUNSET KAT ',
      RG=254,
      H=10.0,
N= -5458, -5459, 5462, -5463, 5466, -5467, -1990, 5469, -5471, 5470,
-5474, -5476, 5481, -5482, -5484, -5486, -5489, -5493, 5494, -3634,
-5496, 5498, 5499, 5604, 5606, -3249, -5607, -5608, -5609, -5610,
      &END,
***** ROUTE 46X *****
&ROUTE M=4,L=255,          ONEWAY=T,
      ID='RTE 46X:WDADE -> CBD ',
      RG=255,
      H=20.0,
N= -5061, -3335, -5059, -3333, -5065,
-5066, -5070, -5071, -5072, -5073, -5074, -5077, -5079, -5082, -5081,
-4852, -4851, -4584, -4583, -4408, 3550, 1813, 1834, 1838, 1842,
  1868, 1867, 1872, 3576, 3574, 4427, 1791, 1796, 4431, 4434,
  4436, 3521, 3534, 4444, 3535, 4446, 3518, 4452, -3503,
  3507, 3512, 3504, 4462, 1988, 1989, 3976, 3495, 3496, 3491,
  3490, 4489, 3473, 3472, 3482, 4503, 4709, 4710,
  4711, 4712, 4728, 4959, 4989, 5006, 5007, 4998, 4984, 4974,
  4973, 4972, -4982, -4986, -4996, -5002, -5012, -5018, -5027, -5030,
-5041, -5043, 5047, -5049, 4828, -4827, 4826, -4824, 4823, -4822,
  4821, -4820, -4819, 4573, -4572, 4571, 4569, -4568, 4567, -4574,
-4578, -4579,
      &END
```

```

+-----+
| TRANSIT NETWORK EXPRESS ROUTES: |
+-----+

```

```

| NOV'1989 SCHEDULES |
+-----+

```

NOTE THAT 240 HAS BEEN ADDED TO ROUTES AND MODE CHANGED TO 4
BY WM PER MYUNG 3/28/95

***** KAT KILLIAN *****

```

&ROUTE M=4,L=253,          ONEWAY=F,
                           ID='RTE 13:KAT KILLIAN ',
                           RG=253,
                           H=60.0,
N= -5633,-5634,-5638,-3305,-5639, 5642,-5643,-5644, 5647,-5648,
    5680, 5651,-5653, 5656, 5657, 3657, 3655, 3650, 3649,
    5588, 3645, 3646, 3663, 5606,-3249,-5607,-5608,-5609,-5610,
                           &END

```

***** KAT SUNSET *****

```

&ROUTE M=4,L=254,          ONEWAY=F,
                           ID='RTE 14:SUNSET KAT ',
                           RG=254,
                           H=60.0,
N= -5458,-5459, 5462,-5463, 5466,-5467,-1990, 5469,-5471, 5470,
    -5474,-5476, 5481,-5482,-5484,-5486,-5489,-5493, 5494,-3634,
    -5496, 5498, 5499, 5604, 5606,-3249,-5607,-5608,-5609,-5610,
                           &END

```

***** METROBUS ZOO *****

```

&ROUTE M=4,L=255,          ONEWAY=T,
                           ID='RTE 15:ZOO ',
                           RG=255,
                           H=84.0,
N= -5797, 5798,-5803,-1786, 5804, 5802, 5799, 5751, 1956, 1957,
    3656, 3660, 3655, 3650, 3649, 5588, 3645, 3646, 3663, 5606,
    -3249, 5607, 5608, 5609,-5610,
    5609, 5608, 5607, 3249,
    5606, 5604, 3662, 3644, 3643, 3647, 3652, 3653, 5587,
    5583, 3654, 3661, 3980, 1959, 1958, 1787, 1784, 1785, 5803,
    5798, 5797,
                           &END

```

***** TRI-COUNTY COMMUTER RAIL *****
Adjusted for New Area System - JMB - 5/94

&ROUTE M=7,L=100, ONEWAY=T,
ID='TCR RAIL: HL->BRWD LINE ',
H=27.0,
PERIOD=(0713,0745),
N= -4166,-2983,-1721,-1890,
&END

&ROUTE M=7,L=101, ONEWAY=T,
ID='TCR RAIL: BRWD LINE->HL ',
H=40.0,
PERIOD=(0709,0800),
N= -1890,-1721,-2983,-4166,
&END

&ROUTE M=7,L=102, ONEWAY=T,
ID='TCR RAIL: BRWD LINE->HL ',
H=24.0,
PERIOD=(0813,0830),
N= -1890,-1721,-2983,-4166,
&END

TRI-COUNTY COMMUTER RAIL #####
Adjusted for New Area System - JMB - 5/94
With MIDDAY trirail added 7/18/94 by ww

&ROUTE M=7,L=100, ID='TCR RAIL: HL->BRWD LINE ', ONEWAY=T,
H=60.0,
N= -4166,-2983,-1721,-1890,
&END

&ROUTE M=7,L=101, ID='TCR RAIL: BRWD LINE->HL ', ONEWAY=T,
H=60.0,
N= -1890,-1721,-2983,-4166,
&END

***** METROMOVER *****

&ROUTE M=8,L=1, ID='DPM: CW INNER LOOP', ONEWAY=T,
H=2.5,
N= -4759,-4753,-4787,-4804,-4817,-4828,-5024,-5002,-4759,
&END

&ROUTE M=8,L=2, ID='DPM: CCW OUTER LOOP', ONEWAY=T,
H=1.7,
N= -4759,-5004,-5024,-4828,-4817,-4804,-4787,-4753,-4759,
&END

#####

```
***** METROMOVER *****  
&ROUTE M=8,L=1, ID='DPM: CW INNER LOOP ', ONEWAY=T,  
                H=7.0,  
N= -4759,-4753,-4787,-4804,-4817,-4828,-5024,-5002,-4759,  
  &END  
-----  
&ROUTE M=8,L=2, ID='DPM: CCW OUTER LOOP ', ONEWAY=T,  
                H=7.0,  
N= -4759,-5004,-5024,-4828,-4817,-4804,-4787,-4753,-4759,  
  &END  
#####
```

5085	7060.74	5164.50
5795	7000.25	4673.65
6900	7815.77	5963.50
6901	7891.28	5963.50
7001	7666.54	5297.48
7002	7670.57	5285.15
7003	7661.68	5280.41
7004	7656.18	5270.84
7010	7657.41	5231.60
7011	7657.61	5224.10
7012	7656.68	5213.74
7013	7652.74	5205.20
7014	7647.43	5205.06

1	10	20	40	80	10	20	40	80
2	0	0	0	0	0	0	0	0
3	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100	100
9	0	0	100	100	0	0	100	100
10	100	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100
18	100	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100
21	100	100	100	100	100	100	100	100
22	70	100	100	100	70	100	100	100
23	100	100	100	100	100	100	100	100
24	100	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100	100
26	100	100	100	100	100	100	100	100
27	100	100	100	100	100	100	100	100
28	100	100	100	100	100	100	100	100
29	100	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100	100
31	100	100	100	100	100	100	100	100
32	100	100	100	100	100	100	100	100
33	100	100	100	100	100	100	100	100
34	60	100	100	100	60	100	100	100
35	100	100	100	100	100	100	100	100
36	100	100	100	100	100	100	100	100
37	0	0	100	100	0	0	100	100
38	40	80	100	100	40	80	100	100
39	100	100	100	100	100	100	100	100
40	100	100	100	100	100	100	100	100
41	70	100	100	100	70	100	100	100
42	60	100	100	100	60	100	100	100
43	60	100	100	100	60	100	100	100
44	100	100	100	100	100	100	100	100
45	100	100	100	100	100	100	100	100
46	100	100	100	100	100	100	100	100
47	60	100	100	100	60	100	100	100
48	60	100	100	100	60	100	100	100
49	0	0	100	100	0	0	100	100
50	70	100	100	100	70	100	100	100
51	70	100	100	100	70	100	100	100
52	100	100	100	100	100	100	100	100
53	100	100	100	100	100	100	100	100
54	100	100	100	100	100	100	100	100
55	90	100	100	100	90	100	100	100
56	90	100	100	100	90	100	100	100
57	100	100	100	100	100	100	100	100
58	100	100	100	100	100	100	100	100
59	100	100	100	100	100	100	100	100
60	40	80	100	100	40	80	100	100
61	80	100	100	100	80	100	100	100
62	100	100	100	100	100	100	100	100
63	100	100	100	100	100	100	100	100
64	90	100	100	100	90	100	100	100
65	100	100	100	100	100	100	100	100
66	100	100	100	100	100	100	100	100

67	60	100	100	100	60	100	100	100
68	100	100	100	100	100	100	100	100
69	100	100	100	100	100	100	100	100
70	0	0	70	100	0	0	70	100
71	70	100	100	100	70	100	100	100
72	100	100	100	100	100	100	100	100
73	80	100	100	100	80	100	100	100
74	90	100	100	100	90	100	100	100
75	90	100	100	100	90	100	100	100
76	40	80	100	100	40	80	100	100
77	100	100	100	100	100	100	100	100
78	100	100	100	100	100	100	100	100
79	80	100	100	100	80	100	100	100
80	100	100	100	100	100	100	100	100
81	100	100	100	100	100	100	100	100
82	80	100	100	100	80	100	100	100
83	60	100	100	100	60	100	100	100
84	80	100	100	100	80	100	100	100
85	100	100	100	100	100	100	100	100
86	50	100	100	100	50	100	100	100
87	50	100	100	100	50	100	100	100
88	50	100	100	100	50	100	100	100
89	90	100	100	100	90	100	100	100
90	100	100	100	100	100	100	100	100
91	80	100	100	100	80	100	100	100
92	30	60	70	100	30	60	70	100
93	100	100	100	100	100	100	100	100
94	60	100	100	100	60	100	100	100
95	100	100	100	100	100	100	100	100
96	100	100	100	100	100	100	100	100
97	100	100	100	100	100	100	100	100
98	100	100	100	100	100	100	100	100
99	100	100	100	100	100	100	100	100
100	90	100	100	100	90	100	100	100
101	90	100	100	100	90	100	100	100
102	90	100	100	100	90	100	100	100
103	50	100	100	100	50	100	100	100
104	90	100	100	100	90	100	100	100
105	80	100	100	100	80	100	100	100
106	90	100	100	100	90	100	100	100
107	80	100	100	100	80	100	100	100
108	100	100	100	100	100	100	100	100
109	100	100	100	100	100	100	100	100
110	100	100	100	100	100	100	100	100
111	50	100	100	100	50	100	100	100
112	100	100	100	100	60	100	100	100
113	100	100	100	100	60	100	100	100
114	100	100	100	100	90	100	100	100
115	100	100	100	100	100	100	100	100
116	100	100	100	100	100	100	100	100
117	100	100	100	100	100	100	100	100
118	100	100	100	100	100	100	100	100
119	90	100	100	100	90	100	100	100
120	70	100	100	100	70	100	100	100
121	70	100	100	100	70	100	100	100
122	100	100	100	100	100	100	100	100
123	60	100	100	100	60	100	100	100
124	70	100	100	100	70	100	100	100
125	30	60	100	100	30	60	100	100
126	0	0	100	100	0	0	100	100
127	0	0	100	100	0	0	100	100
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130	50	100	100	100	50	100	100	100
131	60	100	100	100	60	100	100	100
132	40	80	80	100	40	80	80	100

793	50	100	100	100	50	100	100	100
794	90	100	100	100	90	100	100	100
795	70	100	100	100	70	100	100	100
796	70	100	100	100	70	100	100	100
797	70	100	100	100	70	100	100	100
798	80	100	100	100	80	100	100	100
799	100	100	100	100	100	100	100	100
800	90	100	100	100	90	100	100	100
801	60	100	100	100	60	100	100	100
802	70	100	100	100	70	100	100	100
803	70	100	100	100	70	100	100	100
804	40	80	100	100	40	80	100	100
805	40	80	100	100	40	80	100	100
806	90	100	100	100	90	100	100	100
807	100	100	100	100	100	100	100	100
808	100	100	100	100	100	100	100	100
809	100	100	100	100	100	100	100	100
810	100	100	100	100	100	100	100	100
811	100	100	100	100	100	100	100	100
812	100	100	100	100	100	100	100	100
813	40	80	70	100	40	80	70	100
814	30	60	60	100	30	60	60	100
815	30	60	100	100	30	60	100	100
816	80	100	100	100	80	100	100	100
817	50	100	100	100	50	100	100	100
818	30	60	80	100	30	60	80	100
819	70	100	90	100	70	100	90	100
820	20	40	100	100	20	40	100	100
821	40	80	100	100	40	80	100	100
822	90	100	100	100	90	100	100	100
823	80	100	100	100	80	100	100	100
824	0	0	0	0	0	0	0	0
825	20	40	50	100	20	40	50	100
826	20	40	70	100	20	40	70	100
827	0	0	0	0	0	0	0	0
828	20	40	80	100	20	40	80	100
829	60	100	100	100	60	100	100	100
830	100	100	100	100	100	100	100	100
831	60	100	100	100	60	100	100	100
832	80	100	100	100	80	100	100	100
833	40	80	80	100	40	80	80	100
834	20	40	70	100	20	40	70	100
835	0	0	0	0	0	0	0	0
836	0	0	0	0	0	0	0	0
837	0	0	0	0	0	0	0	0
838	0	0	0	0	0	0	0	0
839	0	0	0	0	0	0	0	0
840	0	0	0	0	0	0	0	0
841	0	0	0	0	0	0	0	0
842	0	0	0	0	0	0	0	0
843	0	0	0	0	0	0	0	0
844	20	40	50	100	20	40	50	100
845	0	0	0	0	0	0	0	0
846	0	0	0	0	0	0	0	0
847	0	0	0	0	0	0	0	0
848	0	0	0	0	0	0	0	0
849	0	0	0	0	0	0	0	0
850	30	60	100	100	30	60	100	100
851	70	100	100	100	70	100	100	700
852	100	100	100	100	100	100	100	100
853	20	40	70	100	20	40	70	100
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856	70	100	100	100	70	100	100	100
857	80	100	100	100	80	100	100	100
858	80	100	100	100	80	100	100	100

859	90	100	100	100	90	100	100	100
860	100	100	100	100	100	100	100	100
861	100	100	100	100	100	100	100	100
862	100	100	100	100	100	100	100	100
863	70	100	100	100	70	100	100	100
864	100	100	100	100	100	100	100	100
865	70	100	100	100	70	100	100	100
866	80	100	100	100	80	100	100	100
867	40	80	100	100	40	80	100	100
868	100	100	100	100	100	100	100	100
869	100	100	100	100	100	100	100	100
870	70	100	100	100	70	100	100	100
871	100	100	100	100	100	100	100	100
872	70	100	100	100	70	100	100	100
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876	100	100	100	100	100	100	100	100
877	100	100	100	100	100	100	100	100
878	100	100	100	100	100	100	100	100
879	80	100	100	100	80	100	100	100
880	100	100	100	100	100	100	100	100
881	90	100	100	100	90	100	100	100
882	100	100	100	100	100	100	100	100
883	90	100	100	100	90	100	100	100
884	100	100	100	100	100	100	100	100
885	100	100	100	100	100	100	100	100
886	100	100	100	100	100	100	100	100
887	70	100	100	100	70	100	100	100
888	80	100	100	100	80	100	100	100
889	70	100	100	100	70	100	100	100
890	30	60	70	100	30	60	70	100
891	100	100	100	100	100	100	100	100
892	100	100	100	100	100	100	100	100
893	100	100	100	100	100	100	100	100
894	70	100	100	100	70	100	100	100
895	80	100	100	100	80	100	100	100
896	90	100	100	100	90	100	100	100
897	80	100	100	100	80	100	100	100
898	100	100	100	100	100	100	100	100
899	100	100	100	100	100	100	100	100
900	100	100	100	100	100	100	100	100
901	50	100	100	100	50	100	100	100
902	100	100	100	100	100	100	100	100
903	100	100	100	100	100	100	100	100
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905	100	100	100	100	100	100	100	100
906	100	100	100	100	100	100	100	100
907	100	100	100	100	100	100	100	100
908	100	100	100	100	100	100	100	100
909	70	100	100	100	70	100	100	100
910	40	80	100	100	40	80	100	100
911	20	40	100	100	0	0	0	0
912	60	100	100	100	30	60	80	100
913	80	100	100	100	80	100	100	100
914	80	100	100	100	20	40	100	100
915	100	100	100	100	100	100	100	100
916	80	100	100	100	30	60	100	100
917	70	100	100	100	70	100	100	100
918	100	100	100	100	100	100	100	100
919	70	100	100	100	70	100	100	100
920	30	60	90	100	30	60	90	100
921	20	40	80	100	0	0	0	0
922	90	100	100	100	0	0	0	0
923	90	100	100	100	0	0	0	0
924	50	100	100	100	0	0	0	0

1189	0	0	0	0	0	0	0	0
1190	0	0	0	0	0	0	0	0
1191	0	0	0	0	0	0	0	0
1192	0	0	0	0	0	0	0	0
1193	0	0	0	0	0	0	0	0
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1197	0	0	0	0	0	0	0	0
1198	0	0	0	0	0	0	0	0
1199	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0

1	1	1	1	1	9	1350	30.0
2	2	1	1	1	9	1700	32.0
3	3	1	1	1	9	1900	37.0
4	4	1	1	1	3	1900	37.5
4	4	1	1	4	9	1900	37.5
5	5	1	1	1	9	1900	42.0
1	1	8	8	1	9	1350	30.5
2	2	8	8	1	9	1700	34.5
3	3	8	8	1	9	1900	37.5
4	4	8	8	1	3	1900	38.0
4	4	8	8	4	9	1900	38.0
5	5	8	8	1	9	1900	42.5
1	1	2	2	1	9	750	24.5
2	2	2	2	1	9	750	26.5
3	3	2	2	1	1	900	32.0
3	3	2	2	2	9	900	32.0
4	4	2	2	1	2	950	32.5
4	4	2	2	3	9	950	32.5
5	5	2	2	1	9	950	36.0
1	1	3	3	1	4	460	23.0
1	1	3	3	5	9	460	23.0
2	2	3	3	1	9	560	26.0
3	3	3	3	1	2	700	31.0
3	3	3	3	3	9	700	31.0
4	4	3	3	1	2	800	32.4
4	4	3	3	3	9	800	32.4
5	5	3	3	1	9	800	35.5
1	1	4	4	1	2	350	22.0
1	1	4	4	3	9	350	22.0
2	2	4	4	1	9	450	24.0
3	3	4	4	1	9	700	30.0
4	4	4	4	1	1	700	31.5
4	4	4	4	2	9	700	31.5
5	5	4	4	1	9	700	35.0
1	1	5	5	1	9	10000	8.5
2	2	5	5	1	9	10000	10.5
3	3	5	5	1	9	10000	11.0
4	4	5	5	1	9	10000	11.0
5	5	5	5	1	9	10000	14.0
1	5	1	4	1	9*	1.03*1.00	
1	5	8	9	1	9*	1.03*1.00	
2	2	3	3	2	9*	1.03*1.00	
3	3	4	4	1	9*	1.03	
1	5	1	1	1	9	*1.28	
1	5	8	8	1	9	*1.28	
1	5	2	2	1	9	*1.15	
1	5	3	3	1	9	*1.14	
1	5	4	4	1	9	*1.13	

1	5603	902	10.0	1732	100	100	4.5	2.0	1	DADELAND SOUTH
2	5610	908	10.0	1663	100	100	2.0	0.5	1	DADELAND NORTH
3	5509	747	10.0	1362	100	100	2.0	0.5	1	SOUTH MIAMI
4	5527	741	5.0	299	100	100	2.0	0.5	1	UNIVERSITY
5	5439	713	5.0	440	100	100	2.5	0.5	1	DOUGLAS ROAD
6	5309	703	5.0	199	100	100	2.0	0.5	1	COCONUT GROVE
7	5325	685	2.0	91	100	100	2.0	0.5	1	VIZCAYA
8	5196	674	2.0	1	9999	9999	9.9	0.5	1	BRICKELL
9	4759	642	2.0	1	9999	9999	9.9	0.5	1	GOVT. CENTER
10	4748	620	2.0	1	9999	9999	2.0	0.5	1	OVERTOWN (NO PARKING)
11	4493	585	2.0	92	100	100	2.5	0.5	1	CULMER
12	4477	587	2.0	1	9999	9999	9.9	1.7	1	CIVIC CENTER
13	4356	588	5.0	180	100	100	3.5	2.5	1	SANTA CLARA
14	4216	567	2.0	66	100	100	3.5	2.5	1	ALLAPATTAH
15	4193	417	2.0	25	100	100	3.5	2.5	1	E. HEIGHTS
16	4054	416	5.0	428	100	100	3.5	2.5	1	BROWNSVILLE
17	4052	414	5.0	200	100	100	3.5	2.5	1	MARTIN L. KING
18	2988	279	5.0	294	100	100	3.5	2.5	1	NORTHSIDE
19	2983	282	2.0	1	9999	9999	9.9	2.5	1	TRIRAIL
20	2966	232	5.0	318	100	100	3.5	2.5	1	HIALEAH
21	2938	230	10.0	1009	100	100	3.5	2.5	1	OKBEOBEE
22	1721	1171	10.0	1350	9999	9999	5.0	0.5	1	GOLDEN GLADES
23	5803	958	5.0	115	9999	9999	2.0	0.5	1	SW 152/HEFT
24	6222	1118	5.0	100	9999	9999	2.0	0.5	1	HARRIS FIELD
25	5546	857	2.0	25	9999	9999	2.0	0.5	1	KENDALL HAMMOCKS
26	5551	860	2.0	1	9999	9999	0.0	0.0	1	KENDALL/142
27	5557	862	2.0	1	9999	9999	0.0	0.0	1	KENDALL/137
28	5567	871	2.0	1	9999	9999	0.0	0.0	1	KENDALL/127
29	5568	872	2.0	1	9999	9999	0.0	0.0	1	KENDALL/123
30	5571	876	2.0	1	9999	9999	0.0	0.0	1	KENDALL/117
31	5578	883	2.0	1	9999	9999	0.0	0.0	1	KENDALL/107
32	5634	855	5.0	100	9999	9999	2.0	0.5	1	HAMMOCKS TOWN CENTER
33	5638	966	2.0	1	9999	9999	0.0	0.0	1	KILLIAN/147
34	5639	864	2.0	1	9999	9999	0.0	0.0	1	KILLIAN/142
35	5643	964	2.0	1	9999	9999	0.0	0.0	1	KILLIAN/134
36	5648	963	2.0	1	9999	9999	0.0	0.0	1	KILLIAN/122
37	5653	882	2.0	25	9999	9999	2.0	0.5	1	MDCC SOUTH CAMPUS
38	5656	954	2.0	1	9999	9999	0.0	0.0	1	KILLIAN/108
39	5459	858	2.0	50	9999	9999	2.0	0.5	1	WEST LAKE PLAZA
40	5463	832	2.0	1	9999	9999	0.0	0.0	1	SUNSET/142
41	5467	816	2.0	1	9999	9999	0.0	0.0	1	SUNSET/133
42	5469	814	2.0	1	9999	9999	0.0	0.0	1	SUNSET/127
43	5476	799	2.0	25	9999	9999	2.0	0.5	1	SUNSET STRIP
44	5481	878	2.0	1	9999	9999	0.0	0.0	1	SUNSET/108
45	5489	895	2.0	77	9999	9999	2.0	0.5	1	SUNSET DR & GALLOWAY
46	5061	821	2.0	25	9999	9999	2.0	0.5	1	CORAL WAY/SW137AVE
47	5073	810	2.0	50	9999	9999	2.0	0.5	1	CORAL WAY/SW122AVE
48	5081	793	2.0	25	9999	9999	2.0	0.5	1	J.CANSECO/SW107AVE
49	4166	427	2.0	1	9999	9999	2.0	0.5	1	TRIRAIL AT MIA

T 4142 4146 4144	4284 4146 4142	4149 4146 4284
T 4144 4146 4149	2929 2938 2948	2948 2938 2929
T 2929 2938 2936	2936 2938 2929	4250 3457 3456
T 1718 2420 1720	3365 1768 1767	1943 1942 3972
T 1942 3972 1984	1718 2420 1724	1942 5337 5330
T 1902 1900 1897	1899 1900 1901	1901 1900 1902
T 1920 1898 1899	1899 1898 4158	4158 1898 4164
T 4164 1898 1920	1909 1901 1910	1902 1904 1906
T 1914 1912 1916	1919 1920 1913	
T 4707 4708 4732	1945 3973 1985	1944 4579 1986
T 1947 3974 1981	1946 2714 1982	6307 6306 1505
T 1668 1705 1725	3992 3993 3994	1505 6308 6307
T 5221 1815 5377	2017 1939 1938	3758 2041 1930
T 1790 3989 3990	3653 5582 1730	5607 5608 5609
T 1819 1822 1821	1821 1822 1824	4946 4957 4956
T 5326 5324 3568	1723 1768 1740	3570 5324 5326
T 1723 1768 3219	1719 1732 1733	1822 1821 1820
T 5010 5009 4991	5008 5009 5025	1897 1900 1899
T 1650 1630 1922	1892 6104 1645	1705 1725 1729
T 5804 5802 1785	3654 5657 3657	3659 3657 3655
T 5658 3657 3659	3658 5656 5654	5657 3657 3655
T 3644 3648 3643	3645 5591 3646	5610 3666 3664
T 2845 5669 5603	5603 5669 2835	3636 5599 3637
T 3633 3634 3630	3631 5494 3632	3617 3616 3615
T 5415 5404 3614	3613 5245 3627	3622 5255 3612
T 5250 5255 3622	4863 4864 3596	4866 3598 3600
T 4864 3598 3599	3598 4864 3597	4577 4580 3583
T 3690 3691 3692		
T 3689 3091 3688	3693 3697 3696	3695 2919 3694
T 3719 2608 3718	3714 3715 3716	3713 2731 3712
T 3355 2084 3356	3354 3357 3359	3364 3363 3350
T 2181 3362 3361	3379 3380 3378	3382 2667 3381
T 3387 3388 3386	3389 2786 3390	3392 3393 3391
T 3395 2882 3394	3399 3031 3400	3404 3405 3402
T 3407 4086 3406	3562 3563 3565	3761 3762 3759
T 3761 3762 2113	2113 3762 3759	2467 3981 2466
T 1925 1924 1923	3456 3458 3437	3439 3459 4250
T 3438 4238 3440		
T 1918 1919 1916	3639 5599 5598	5025 5009 4991
T 4480 4479 3492	3494 4479 3490	3500 3499 3493
T 4469 3498 3497	4468 3498 3499	3495 4469 3498
T 3513 3509 4456	3506 4456 3509	4454 3509 3513
T 4651 4456 3506	3511 4456 4651	3508 3509 4454
T 3502 3513 3514	3512 3511 3504	3503 3506 3507
T 3510 3508 3505	4456 3509 3508	3509 4456 3511
T 3516 3517 3180	3525 3522 3533	3522 3533 3538
T 4442 3529 3530	3533 3522 3536	
T 3533 3532 3528	1800 1801 1796	3547 1798 1797
T 1799 3547 1792	3577 3575 3574	3548 3579 3581
T 3703 3704 3708	3709 3707 3701	3711 3705 3702
T 3698 3699 3710	3717 3722 3723	3756 3755 3753
T 1933 3763 3764		
T 3661 3658 3980	3656 3659 3660	3640 3639 2845
T 3625 3622 3623	3605 3608 3609	3606 3610 3611
T 3602 3599 3593	3595 3600 3604	3603 3597 5102
T 3594 3596 3601	3584 3586 3591	3592 3587 3585
T 4894 4892 5153	4887 4892 4891	4887 4886 5137
T 4883 4886 4884	4902 4901 5164	4898 4901 4900
T 5141 5142 5140	5119 5118 5258	5513 5514 5521
T 5516 5514 5510	5511 5509 5508	5507 5509 5510
T 5439 5297 5296	5302 5297 5298	
T 3457 1572 1574	200	
T 1574 1572 3457	200	
T 3973 1543 1544	500	
T 1544 1543 3973	500	
T 3069 1608 1609	200	

T 1609 1608 3069	200
T 3974 1636 1637	200
T 1637 1636 3974	200
T 2350 2351 2352	200
T 2352 2351 2350	200
T 2207 1656 1657	200
T 1657 1656 2207	200
T 1619 1618 1616	500
T 1617 1618 1619	500

COMPANY = 1, MODE = 4, LINES = 1-255
COMPANY = 2, MODE = 6, LINES = 1-255
COMPANY = 3, MODE = 5, LINES = 1-255
COMPANY = 4, MODE = 7, LINES = 1-255
COMPANY = 5, MODE = 8, LINES = 1-255
BOARDING FARES = (1,100)
 (2,125)
 (3,100)
 (4,150)
 (5,25)
TRANSFER FARES = (1-1,25)
 (1-2,50)
 (1-3,25)
 (1-4,25)
 (1-5,25)
 (2-1,25)
 (2-2,25)
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 (4-1,00)
 (4-2,25)
 (4-3,00)
 (4-4,00)
 (4-5,00)
 (5-1,100)
 (5-2,125)
 (5-3,100)
 (5-4,100)
 (5-5,00)

CTOLL = 0.06

01	1	4202	2002	EB	AIRPORT	EXPY	6	00.25	0:02	1	1	00	00	0.10
02	1	1988	1989	EB	DOLPHIN	EXPY	10	00.25	0:05	1	1	00	00	0.10
03	1	1982	1947	EB	BROAD	CAUSEWAY	4	00.25	0:22	1	1	00	00	0.10
04	1	1981	1946	WB	BROAD	CAUSEWAY	4	00.25	0:22	1	1	00	00	0.10
05	1	1984	1943	EB	RICKENER	CSWY	4	01.00	0:05	1	1	00	00	0.10
06	1	1986	1945	EB	VENETIAN	CAUSEWAY	4	00.35	0:24	1	1	00	00	0.10
07	1	1985	1944	WB	VENETIAN	CAUSEWAY	4	00.35	0:24	1	1	00	00	0.10
08	1	1956	1957	NB	DON SHULA	EXPY	9	00.50	0:05	1	1	00	00	0.10
09	1	1959	1958	SB	DON SHULA	EXPY	9	00.50	0:05	1	1	00	00	0.10
10	1	1953	1952	NB	HOMESTEAD	BARR	7	00.75	0:12	1	1	00	00	0.10
11	1	1954	1955	SB	HOMESTEAD	BARR	7	00.75	0:12	1	1	00	00	0.10
12	1	1961	3992	NB	TP KENDALL	DR OFF	2	00.25	0:05	1	1	00	00	0.10
13	1	3990	1960	SB	TP KENDALL	DR ON	2	00.25	0:05	1	1	00	00	0.10
14	1	1967	1966	NB	TAMIAMI	BARR	9	00.75	0:05	1	1	00	00	0.10
15	1	1964	1965	SB	TAMIAMI	BARR	9	00.75	0:05	1	1	00	00	0.10
16	1	3987	1963	NB	TP US41	ON	2	00.25	0:12	1	1	00	00	0.10
17	1	1962	3983	SB	TP US41	OFF	2	00.25	0:12	1	1	00	00	0.10
18	1	2705	2468	NB	TP OKEECHOBEE	BARR	5	00.75	0:12	1	1	00	00	0.10
19	1	1921	1905	SB	TP OKEECHOBEE	BARR	5	00.75	0:12	1	1	00	00	0.10
20	1	1970	1971	EB	TP NW 27TH AV.	OFF	3	00.25	0:04	1	1	01	00	0.10
21	1	1968	1969	WB	TP NW 27TH AV.	ON	3	00.25	0:04	1	1	01	00	0.10
22	1	1973	1972	WB	TP NW 27TH AV.	OFF	5	00.50	0:12	1	1	01	00	0.10
23	1	1976	1977	EB	TP MIRAMAR	PLAZA	3	00.50	0:02	1	1	01	00	0.10
24	1	1975	1974	WB	TP MIRAMAR	PLAZA	5	00.50	0:02	1	1	01	00	0.10
25	1	3978	1978	NB	COUNTY LINE	RD ON	1	00.50	0:09	1	1	01	00	0.10
26	1	1979	2166	NB	GOLDEN GLADES	BARR	6	00.75	0:07	1	1	00	00	0.10
27	1	1941	1980	SB	GOLDEN GLADES	BARR	6	00.75	0:07	1	1	00	00	0.10
28	1	1891	1892	NB	ALLAPATTAH	RD OFF	2	00.50	0:15	1	1	00	00	0.10
29	1	1922	1948	SB	ALLAPATTAH	RD ON	2	00.50	0:15	1	1	00	00	0.10

1	7826.66	5195.67
2	7751.37	5231.90
3	7851.45	5215.09
4	7827.52	5229.81
5	7842.74	5229.61
6	7859.04	5228.37
7	7859.32	5240.45
8	7839.94	5238.47
9	7758.53	5266.17
10	7820.66	5256.96
11	7839.54	5257.36
12	7861.07	5257.28
13	7865.85	5279.43
14	7843.78	5281.06
15	7818.70	5275.29
16	7778.61	5310.15
17	7818.75	5298.39
18	7840.25	5299.36
19	7869.60	5301.54
20	7860.73	5323.94
21	7845.69	5315.22
22	7807.38	5340.14
23	7854.43	5349.00
24	7881.35	5342.21
25	7888.69	5367.55
26	7892.35	5393.36
27	7862.86	5397.99
28	7843.56	5392.34
29	7866.96	5478.38
30	7898.19	5440.72
31	7899.17	5519.99
32	7845.55	5523.61
33	7779.78	5505.96
34	7836.25	5545.21
35	7879.06	5552.65
36	7896.93	5576.64
37	7846.49	5579.26
38	7860.36	5618.91
39	7892.85	5621.17
40	7885.42	5676.13
41	7869.69	5675.27
42	7847.47	5658.01
43	7776.12	5681.72
44	7756.25	5678.16
45	7746.89	5673.77
46	7735.81	5676.68
47	7782.99	5704.43
48	7789.22	5733.43
49	7824.19	5742.56
50	7789.63	5763.89
51	7835.62	5773.77
52	7877.87	5735.81
53	7875.09	5794.01
54	7876.12	5819.75
55	7843.43	5826.94
56	7825.75	5818.70
57	7805.64	5801.48
58	7777.28	5802.47
59	7795.61	5854.82
60	7808.18	5856.13
61	7877.12	5847.07
62	7893.00	5866.29
63	7880.59	5882.83
64	7826.74	5887.06
65	7799.35	5884.09
66	7814.40	5904.64

67	7844.63	5918.50
68	7879.02	5898.50
69	7884.64	5940.13
70	7853.28	5958.90
71	7814.86	5929.86
72	7806.56	5958.97
73	7787.67	5952.17
74	7761.14	5947.53
75	7751.74	5895.31
76	7776.71	5905.34
77	7789.45	5898.25
78	7789.13	5863.61
79	7772.19	5844.89
80	7739.33	5835.27
81	7712.23	5850.98
82	7726.05	5874.12
83	7721.86	5893.38
84	7699.76	5920.53
85	7725.92	5924.23
86	7729.63	5947.67
87	7709.00	5952.17
88	7676.58	5949.97
89	7647.86	5927.42
90	7624.10	5949.40
91	7574.89	5944.65
92	7585.28	5933.02
93	7620.95	5924.14
94	7670.33	5897.35
95	7674.31	5857.54
96	7680.69	5839.49
97	7712.46	5814.89
98	7681.67	5817.88
99	7687.91	5809.01
100	7651.51	5811.52
101	7621.45	5803.53
102	7622.68	5840.72
103	7655.08	5873.41
104	7624.74	5868.06
105	7623.71	5892.70
106	7569.77	5911.53
107	7544.81	5875.31
108	7571.50	5870.77
109	7596.62	5886.38
110	7585.39	5842.57
111	7596.81	5822.86
112	7551.93	5810.90
113	7548.24	5836.54
114	7518.22	5827.71
115	7492.31	5826.58
116	7466.32	5813.31
117	7468.95	5838.04
118	7439.03	5823.01
119	7436.45	5874.54
120	7462.87	5867.11
121	7484.27	5873.29
122	7495.58	5873.66
123	7517.27	5861.62
124	7494.74	5910.48
125	7489.62	5929.28
126	7492.90	5948.24
127	7446.39	5938.35
128	7467.99	5909.41
129	7448.02	5910.56
130	7396.00	5909.67
131	7405.30	5945.36
132	7349.45	5948.73

133	7354.73	5921.01
134	7338.69	5906.93
135	7344.28	5877.71
136	7345.52	5854.51
137	7382.97	5871.05
138	7411.04	5865.02
139	7414.31	5811.65
140	7385.43	5817.57
141	7359.83	5805.91
142	7333.24	5813.88
143	7281.92	5795.82
144	7301.32	5816.65
145	7282.15	5825.29
146	7292.57	5867.77
147	7287.74	5890.10
148	7261.71	5856.45
149	7231.94	5866.89
150	7250.48	5835.82
151	7244.03	5820.27
152	7240.93	5798.12
153	7198.14	5766.72
154	7149.42	5781.52
155	7106.66	5768.04
156	7102.95	5820.45
157	7144.82	5821.96
158	7187.44	5822.30
159	7182.16	5874.61
160	7148.74	5866.73
161	7051.20	5835.12
162	6896.92	5883.87
163	6859.67	5857.37
164	6841.44	5749.91
165	6749.30	5561.65
166	6863.19	5562.45
167	6965.69	5530.47
168	6972.25	5643.99
169	6947.98	5725.37
170	6984.86	5769.17
171	7043.61	5720.53
172	7118.18	5718.93
173	7149.64	5720.64
174	7176.46	5726.60
175	7199.58	5722.82
176	7192.64	5671.44
177	7209.35	5649.34
178	7182.42	5649.12
179	7156.25	5656.68
180	7127.61	5669.26
181	7084.76	5660.50
182	7020.83	5680.16
183	7086.05	5610.90
184	7131.68	5614.63
185	7154.46	5615.23
186	7183.44	5610.06
187	7209.67	5610.61
188	7211.20	5561.83
189	7192.01	5576.65
190	7127.56	5551.08
191	7039.12	5533.05
192	7105.77	5508.20
193	7213.70	5505.81
194	7240.39	5496.30
195	7241.84	5527.82
196	7266.19	5517.83
197	7265.45	5553.51
198	7239.31	5548.24

199	7237.84	5568.16
200	7264.63	5567.66
201	7263.82	5581.30
202	7237.04	5581.27
203	7235.86	5613.26
204	7262.62	5613.29
205	7254.41	5655.15
206	7231.12	5662.52
207	7252.89	5676.99
208	7246.37	5713.21
209	7248.98	5768.96
210	7259.43	5741.37
211	7290.06	5757.68
212	7308.91	5760.17
213	7302.54	5712.80
214	7286.30	5711.93
215	7311.78	5688.41
216	7292.35	5679.59
217	7294.94	5654.09
218	7313.07	5661.07
219	7316.27	5608.11
220	7289.90	5614.39
221	7291.10	5581.86
222	7322.07	5581.98
223	7322.33	5569.39
224	7291.91	5568.23
225	7292.21	5554.07
226	7321.07	5558.58
227	7326.35	5527.48
228	7311.75	5522.46
229	7285.52	5521.91
230	7286.58	5496.22
231	7313.35	5496.25
232	7346.43	5495.88
233	7367.68	5508.92
234	7399.03	5490.16
235	7422.11	5491.68
236	7428.16	5528.55
237	7417.81	5521.52
238	7401.07	5518.54
239	7390.50	5522.00
240	7371.29	5537.35
241	7345.10	5534.69
242	7342.86	5566.14
243	7372.77	5566.76
244	7399.70	5559.45
245	7420.08	5563.55
246	7421.19	5585.63
247	7397.59	5584.61
248	7370.12	5583.08
249	7343.03	5583.47
250	7341.99	5608.11
251	7361.90	5610.11
252	7375.01	5610.91
253	7394.94	5611.33
254	7420.08	5613.95
255	7387.83	5649.87
256	7367.56	5648.86
257	7335.62	5662.05
258	7395.69	5726.82
259	7347.66	5764.66
260	7389.54	5769.72
261	7415.64	5772.47
262	7442.51	5771.88
263	7468.75	5772.43
264	7461.18	5743.86

265	7466.29	5725.79
266	7443.53	5711.24
267	7465.28	5698.31
268	7452.48	5671.31
269	7452.97	5647.70
270	7446.85	5613.98
271	7474.66	5614.56
272	7475.74	5587.28
273	7447.44	5585.65
274	7450.93	5556.55
275	7477.05	5575.24
276	7477.67	5545.33
277	7474.49	5521.64
278	7484.68	5511.36
279	7473.78	5505.36
280	7455.20	5515.48
281	7430.25	5517.43
282	7455.19	5492.05
283	7480.87	5492.39
284	7505.96	5491.08
285	7532.35	5490.84
286	7561.22	5490.91
287	7587.96	5492.00
288	7591.59	5519.36
289	7556.83	5524.94
290	7533.38	5516.58
291	7506.09	5535.73
292	7532.31	5542.80
293	7582.12	5545.41
294	7570.67	5571.57
295	7527.03	5569.46
296	7503.42	5568.97
297	7506.08	5587.46
298	7499.44	5608.77
299	7529.60	5614.14
300	7575.32	5603.40
301	7574.00	5621.64
302	7580.97	5651.42
303	7579.36	5678.15
304	7552.62	5676.54
305	7553.68	5650.85
306	7526.92	5667.74
307	7500.16	5661.52
308	7497.07	5697.35
309	7555.71	5705.17
310	7570.39	5730.46
311	7519.99	5721.82
312	7495.06	5730.10
313	7523.46	5746.24
314	7495.23	5747.54
315	7495.07	5768.77
316	7517.14	5775.69
317	7528.54	5774.72
318	7555.25	5777.38
319	7577.96	5760.34
320	7602.50	5776.78
321	7641.13	5787.04
322	7688.44	5783.82
323	7687.46	5796.67
324	7717.02	5797.54
325	7737.47	5798.49
326	7763.17	5799.55
327	7768.39	5765.57
328	7752.56	5771.80
329	7720.46	5765.57
330	7682.33	5757.88

331	7647.85	5766.70
332	7643.72	5738.28
333	7610.79	5730.76
334	7593.77	5731.50
335	7595.21	5707.51
336	7612.37	5706.13
337	7660.07	5719.11
338	7676.11	5734.16
339	7682.22	5704.94
340	7722.99	5737.83
341	7756.62	5735.90
342	7744.82	5723.06
343	7724.58	5712.14
344	7724.11	5683.79
345	7693.88	5673.71
346	7682.07	5686.06
347	7694.23	5656.93
348	7658.67	5679.10
349	7626.12	5675.98
350	7596.67	5667.10
351	7627.16	5651.32
352	7651.87	5649.21
353	7627.52	5634.01
354	7610.95	5623.17
355	7598.03	5606.34
356	7610.80	5605.32
357	7640.04	5599.82
358	7640.92	5620.64
359	7663.94	5613.84
360	7688.40	5634.23
361	7707.16	5640.92
362	7717.98	5625.40
363	7730.11	5647.69
364	7743.09	5654.79
365	7753.09	5653.42
366	7764.78	5646.84
367	7745.30	5623.87
368	7725.09	5586.18
369	7692.34	5545.18
370	7688.18	5569.67
371	7658.55	5580.59
372	7619.46	5573.93
373	7600.86	5568.65
374	7603.14	5530.92
375	7605.98	5483.97
376	7623.00	5472.77
377	7619.35	5502.69
378	7619.32	5523.62
379	7631.11	5537.51
380	7618.16	5554.03
381	7660.33	5545.47
382	7647.70	5521.58
383	7647.78	5493.24
384	7674.90	5475.95
385	7676.23	5513.25
386	7693.77	5532.81
387	7713.14	5505.10
388	7699.35	5486.44
389	7685.81	5431.05
390	7678.73	5393.10
391	7666.01	5398.61
392	7654.53	5395.75
393	7661.49	5439.46
394	7662.47	5467.82
395	7648.84	5467.02
396	7623.27	5459.66

397	7606.93	5438.32
398	7625.81	5438.71
399	7626.88	5412.49
400	7627.37	5388.88
401	7607.14	5402.64
402	7591.90	5403.36
403	7590.54	5418.56
404	7589.75	5431.14
405	7590.03	5443.22
406	7589.04	5465.25
407	7563.13	5462.76
408	7562.85	5437.40
409	7563.26	5417.47
410	7564.32	5402.37
411	7538.37	5403.30
412	7537.15	5436.34
413	7534.95	5466.74
414	7509.35	5460.96
415	7510.93	5435.28
416	7511.47	5409.56
417	7511.07	5388.13
418	7484.34	5401.65
419	7483.14	5434.17
420	7482.04	5461.44
421	7480.07	5480.82
422	7453.82	5479.25
423	7459.00	5460.56
424	7454.82	5433.06
425	7465.45	5401.26
426	7452.91	5398.90
427	7427.44	5388.75
428	7429.81	5433.01
429	7427.49	5459.78
430	7422.90	5478.58
431	7400.61	5464.99
432	7401.83	5431.95
433	7399.27	5403.56
434	7401.46	5373.68
435	7374.91	5388.35
436	7378.77	5430.42
437	7378.08	5463.48
438	7347.63	5463.37
439	7354.00	5434.63
440	7348.82	5406.17
441	7352.09	5375.28
442	7324.38	5369.98
443	7320.64	5398.24
444	7327.84	5430.94
445	7325.11	5461.32
446	7320.44	5475.41
447	7295.05	5442.32
448	7297.30	5385.16
449	7278.67	5397.37
450	7272.24	5462.83
451	7263.28	5456.86
452	7264.39	5402.32
453	7242.90	5401.34
454	7241.24	5455.91
455	7208.41	5454.27
456	7224.05	5398.85
457	7196.80	5421.91
458	7204.51	5404.75
459	7153.06	5389.60
460	7138.12	5394.92
461	7149.66	5442.45
462	7102.06	5459.96

463	7073.39	5453.53
464	7073.45	5406.28
465	7043.45	5400.87
466	7041.85	5452.27
467	6966.81	5426.57
468	6865.14	5413.99
469	6753.34	5393.25
470	6738.23	5236.52
471	6863.80	5255.93
472	6887.08	5348.64
473	6968.98	5346.83
474	6970.61	5293.85
475	6954.99	5237.88
476	6987.13	5206.54
477	7053.28	5205.81
478	7054.19	5233.42
479	7045.64	5295.21
480	7045.10	5346.32
481	7095.29	5356.28
482	7102.21	5301.31
483	7084.92	5298.06
484	7096.00	5243.80
485	7103.11	5207.37
486	7158.01	5211.08
487	7157.22	5239.44
488	7156.49	5296.73
489	7154.03	5348.49
490	7193.98	5363.20
491	7213.24	5354.25
492	7207.53	5310.33
493	7208.64	5282.01
494	7208.14	5255.76
495	7229.51	5237.30
496	7209.82	5235.32
497	7199.08	5237.60
498	7210.96	5208.30
499	7242.55	5216.05
500	7261.50	5205.82
501	7279.80	5212.94
502	7303.49	5213.64
503	7328.14	5214.68
504	7326.26	5240.70
505	7324.96	5272.18
506	7305.03	5263.95
507	7244.82	5233.42
508	7248.61	5252.92
509	7254.65	5265.12
510	7266.33	5309.46
511	7247.96	5309.08
512	7245.62	5346.29
513	7267.16	5352.45
514	7279.78	5343.86
515	7311.74	5347.15
516	7380.33	5355.39
517	7387.36	5319.85
518	7299.42	5308.57
519	7359.51	5270.98
520	7371.79	5261.26
521	7370.06	5243.38
522	7349.60	5217.23
523	7377.98	5216.25
524	7406.82	5217.38
525	7437.73	5220.12
526	7444.96	5251.24
527	7431.50	5242.04
528	7402.59	5244.06

529	7410.02	5265.21
530	7435.06	5272.55
531	7438.46	5298.46
532	7407.10	5286.42
533	7403.91	5298.35
534	7432.04	5327.03
535	7459.05	5355.98
536	7487.56	5350.25
537	7463.34	5326.16
538	7487.48	5300.94
539	7460.74	5299.86
540	7461.29	5273.10
541	7489.09	5274.20
542	7493.36	5245.42
543	7461.84	5246.87
544	7468.46	5221.63
545	7491.22	5222.29
546	7512.62	5227.98
547	7522.78	5219.27
548	7543.68	5223.90
549	7542.09	5250.11
550	7516.91	5249.07
551	7514.91	5269.49
552	7541.74	5266.90
553	7537.85	5276.79
554	7515.56	5296.73
555	7510.41	5308.77
556	7542.01	5303.65
557	7540.21	5323.80
558	7540.83	5335.64
559	7513.25	5324.05
560	7513.56	5334.55
561	7513.11	5356.06
562	7462.94	5370.76
563	7481.11	5373.07
564	7511.19	5373.49
565	7539.64	5374.34
566	7566.24	5375.54
567	7588.80	5376.01
568	7628.71	5375.26
569	7539.90	5355.04
570	7559.78	5358.08
571	7573.42	5358.36
572	7560.76	5336.06
573	7573.87	5336.86
574	7573.57	5325.83
575	7560.46	5325.56
576	7560.90	5304.04
577	7574.02	5304.32
578	7572.32	5285.38
579	7571.25	5269.81
580	7570.96	5249.66
581	7569.90	5224.97
582	7593.50	5225.99
583	7592.95	5252.22
584	7591.83	5273.73
585	7600.68	5284.40
586	7600.24	5305.39
587	7586.60	5305.10
588	7586.69	5326.10
589	7600.33	5326.39
590	7600.68	5334.79
591	7587.51	5337.14
592	7586.53	5359.16
593	7600.18	5358.92
594	7609.61	5359.64

595	7611.17	5335.53
596	7623.07	5342.59
597	7622.72	5360.44
598	7641.08	5360.83
599	7643.09	5340.40
600	7642.78	5329.89
601	7657.21	5342.26
602	7672.02	5362.00
603	7672.69	5329.99
604	7728.28	5307.00
605	7670.13	5302.12
606	7658.55	5303.45
607	7636.92	5308.21
608	7624.34	5307.99
609	7611.76	5307.20
610	7614.80	5287.32
611	7634.29	5283.52
612	7663.04	5289.37
613	7673.46	5292.74
614	7709.99	5278.28
615	7672.86	5271.73
616	7652.38	5272.84
617	7654.98	5273.45
618	7660.98	5262.04
619	7652.59	5261.86
620	7638.78	5269.98
621	7625.07	5271.37
622	7615.16	5271.60
623	7613.01	5246.86
624	7623.87	5254.96
625	7634.85	5257.40
626	7642.20	5256.92
627	7642.29	5252.72
628	7649.03	5256.54
629	7654.31	5255.07
630	7659.52	5256.76
631	7665.85	5255.31
632	7674.14	5260.21
633	7675.59	5241.35
634	7667.00	5250.61
635	7661.22	5250.49
636	7654.39	5250.88
637	7649.16	5250.24
638	7640.83	5246.91
639	7634.85	5256.40
640	7637.24	5243.17
641	7647.73	5243.39
642	7649.22	5247.09
643	7654.47	5247.20
644	7654.55	5243.53
645	7660.84	5244.19
646	7661.30	5246.82
647	7667.06	5247.46
648	7667.66	5243.81
649	7669.35	5238.06
650	7664.63	5237.97
651	7659.86	5240.49
652	7660.45	5237.35
653	7659.45	5234.71
654	7654.68	5237.23
655	7654.61	5240.38
656	7647.85	5237.62
657	7642.03	5239.59
658	7635.79	5236.84
659	7617.06	5228.58
660	7633.98	5223.15

661	7641.19	5229.60
662	7649.07	5229.24
663	7659.48	5232.00
664	7667.88	5233.31
665	7666.92	5229.09
666	7675.75	5233.48
667	7666.08	5219.10
668	7677.13	5217.76
669	7663.79	5203.30
670	7661.50	5186.98
671	7635.17	5165.97
672	7630.77	5175.84
673	7647.74	5192.47
674	7655.84	5206.82
675	7659.69	5223.17
676	7636.24	5215.33
677	7635.41	5204.81
678	7616.56	5177.13
679	7617.64	5200.77
680	7617.43	5210.74
681	7594.37	5198.50
682	7570.96	5199.27
683	7572.05	5172.00
684	7552.57	5150.08
685	7588.13	5156.07
686	7583.16	5142.84
687	7585.68	5122.42
688	7553.41	5106.22
689	7517.31	5079.00
690	7530.17	5113.73
691	7520.70	5142.59
692	7519.07	5170.38
693	7545.31	5170.92
694	7544.20	5198.72
695	7518.49	5198.18
696	7491.76	5196.57
697	7465.90	5200.87
698	7464.28	5166.39
699	7492.85	5169.30
700	7493.96	5141.50
701	7467.21	5140.43
702	7467.75	5114.19
703	7498.05	5121.65
704	7498.78	5086.49
705	7469.35	5087.98
706	7473.66	5065.66
707	7466.90	5054.33
708	7492.41	5064.32
709	7469.12	5023.41
710	7446.24	5038.15
711	7446.61	5068.62
712	7435.18	5090.41
713	7447.67	5095.92
714	7446.85	5109.55
715	7436.71	5117.74
716	7436.79	5139.27
717	7433.43	5149.17
718	7446.54	5149.97
719	7446.36	5158.37
720	7433.25	5158.09
721	7432.50	5168.57
722	7445.61	5169.36
723	7443.39	5191.88
724	7432.02	5191.66
725	7419.27	5174.06
726	7397.89	5192.52

727	7361.23	5188.60
728	7398.32	5171.53
729	7378.70	5156.43
730	7419.62	5157.28
731	7420.46	5142.08
732	7398.50	5137.94
733	7362.75	5140.88
734	7409.01	5112.44
735	7412.29	5081.02
736	7365.87	5077.25
737	7363.55	5051.66
738	7356.87	5019.50
739	7376.73	5048.79
740	7377.03	5034.62
741	7398.31	5017.40
742	7419.41	5041.27
743	7428.45	5010.50
744	7415.05	4998.66
745	7400.37	5001.64
746	7366.70	5001.86
747	7350.65	4991.03
748	7341.82	5004.51
749	7308.13	4998.28
750	7306.22	5028.90
751	7339.37	5030.34
752	7338.22	5055.64
753	7304.68	5054.54
754	7302.77	5080.70
755	7336.73	5079.45
756	7334.73	5102.12
757	7333.12	5126.61
758	7300.63	5099.16
759	7300.11	5123.83
760	7305.68	5159.10
761	7330.56	5159.62
762	7330.37	5187.08
763	7304.44	5186.16
764	7281.97	5184.87
765	7254.23	5184.80
766	7200.24	5189.59
767	7193.56	5148.89
768	7199.18	5156.36
769	7225.44	5155.86
770	7266.34	5157.76
771	7253.41	5117.69
772	7226.49	5130.68
773	7193.28	5137.35
774	7200.65	5128.66
775	7200.28	5103.38
776	7227.04	5103.93
777	7202.48	5074.03
778	7228.65	5077.19
779	7259.50	5066.95
780	7259.35	5025.21
781	7262.23	4999.19
782	7227.31	5015.75
783	7202.52	5021.54
784	7182.14	5016.91
785	7154.62	5002.17
786	7164.80	5042.79
787	7161.27	5073.13
788	7160.42	5102.02
789	7159.89	5127.20
790	7180.98	5148.11
791	7159.73	5154.49
792	7158.80	5179.66

793	7093.08	5157.37
794	7094.82	5099.88
795	7119.91	5127.90
796	7123.36	5071.64
797	7099.17	5034.76
798	7114.78	5000.28
799	7053.16	4984.84
800	7064.07	5014.56
801	7058.29	5030.41
802	7055.18	5070.92
803	7042.19	5099.10
804	7054.99	5125.69
805	7053.40	5149.65
806	7056.78	5179.20
807	6991.79	5184.59
808	6987.09	5158.24
809	7007.51	5170.15
810	7010.41	5147.18
811	6984.64	5103.09
812	7012.24	5076.58
813	6996.43	5050.94
814	7005.16	4995.90
815	6967.62	4994.94
816	6941.05	4994.61
817	6938.44	5046.62
818	6964.36	5047.59
819	6961.51	5101.03
820	6935.48	5100.15
821	6930.14	5143.44
822	6958.90	5176.03
823	6924.80	5177.19
824	6896.48	5184.77
825	6890.53	5158.18
826	6914.34	5097.83
827	6891.66	5097.55
828	6886.27	5041.64
829	6912.19	5043.52
830	6921.33	5014.10
831	6902.32	4994.29
832	6888.23	4991.84
833	6849.99	4990.05
834	6829.30	4985.65
835	6846.77	5040.37
836	6843.51	5095.94
837	6840.33	5147.84
838	6838.58	5181.40
839	6763.02	5155.15
840	6681.73	5127.21
841	6764.31	5093.24
842	6741.83	5038.19
843	6793.24	5040.30
844	6795.89	4988.39
845	6741.86	4986.74
846	6690.64	5001.42
847	6688.04	4848.63
848	6737.80	4879.05
849	6745.44	4941.16
850	6798.90	4948.56
851	6795.96	4924.84
852	6820.58	4913.68
853	6788.70	4880.11
854	6848.53	4887.11
855	6839.95	4863.86
856	6861.74	4870.15
857	6852.29	4922.97
858	6855.94	4942.14

859	6902.49	4955.08
860	6892.14	4929.25
861	6912.80	4919.44
862	6914.60	4908.98
863	6889.29	4899.74
864	6875.03	4862.33
865	6892.23	4875.45
866	6926.78	4903.47
867	6948.30	4878.19
868	6965.47	4910.57
869	6932.73	4926.33
870	6954.23	4951.03
871	6965.26	4921.06
872	6998.89	4944.34
873	7006.57	4915.21
874	6994.92	4891.02
875	7020.61	4894.76
876	7025.21	4933.05
877	7029.11	4956.75
878	7057.70	4960.66
879	7060.66	4945.09
880	7054.70	4925.69
881	7053.59	4896.16
882	7065.89	4877.50
883	7097.36	4903.87
884	7119.24	4912.20
885	7100.14	4939.75
886	7100.14	4961.56
887	7135.49	4963.45
888	7126.04	4938.59
889	7115.72	4879.05
890	7165.29	4885.73
891	7153.22	4911.94
892	7181.77	4912.59
893	7173.95	4931.71
894	7176.34	4942.78
895	7184.76	4966.58
896	7223.06	4967.89
897	7220.38	4945.27
898	7208.53	4934.00
899	7235.30	4934.03
900	7242.54	4914.77
901	7217.08	4901.64
902	7258.18	4919.82
903	7264.65	4936.22
904	7263.93	4945.25
905	7263.76	4968.29
906	7310.19	4969.91
907	7298.35	4942.62
908	7292.15	4935.39
909	7278.80	4912.37
910	7271.98	4887.04
911	7326.16	4906.54
912	7317.72	4936.32
913	7318.77	4949.93
914	7341.98	4953.05
915	7346.15	4980.44
916	7369.15	4959.40
917	7403.73	4961.10
918	7417.05	4978.24
919	7460.22	4996.98
920	7431.68	4955.98
921	7428.10	4888.18
922	7393.04	4865.51
923	7370.51	4894.34
924	7382.77	4812.64

925	7366.92	4772.30
926	7323.33	4723.01
927	7323.99	4738.08
928	7325.30	4761.29
929	7327.28	4802.10
930	7327.41	4846.72
931	7272.58	4863.44
932	7273.34	4837.81
933	7276.51	4795.79
934	7273.35	4745.35
935	7225.46	4726.49
936	7187.62	4728.86
937	7225.33	4753.38
938	7214.26	4778.29
939	7236.63	4794.96
940	7232.65	4834.77
941	7241.53	4861.73
942	7222.62	4862.91
943	7165.91	4858.84
944	7161.15	4814.47
945	7206.26	4816.38
946	7188.55	4784.52
947	7183.41	4767.50
948	7182.59	4754.36
949	7101.29	4719.48
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951	7108.36	4804.37
952	7124.34	4859.43
953	7092.50	4851.59
954	7060.59	4854.81
955	7046.02	4823.54
956	7065.43	4798.75
957	7085.92	4726.69
958	7019.66	4710.27
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961	6956.09	4781.77
962	7002.22	4784.32
963	6996.91	4837.74
964	6952.79	4848.96
965	6954.09	4824.34
966	6898.86	4832.54
967	6855.63	4837.14
968	6825.80	4840.89
969	6838.76	4809.43
970	6875.86	4777.48
971	6902.97	4736.05
972	6902.99	4710.33
973	6852.65	4707.72
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985	6853.99	4668.89
986	6856.13	4615.93
987	6859.86	4558.81
988	6911.63	4547.72
989	6908.27	4611.43
990	6905.32	4672.76

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992	6942.68	4607.21
993	6964.99	4562.51
994	7000.06	4610.53
995	6941.94	4645.12
996	6941.11	4664.42
997	6940.65	4691.18
998	6978.98	4692.51
999	6959.74	4663.57
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1001	7029.19	4623.73
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1010	7109.92	4628.56
1011	7124.99	4630.56
1012	7140.25	4671.45
1013	7182.41	4701.46
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1072	7227.14	4444.14
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1075	7049.91	4317.29
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1100	6580.70	3979.27
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1102	6671.43	4043.38
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1117	6803.37	4175.50
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1126	6762.89	4027.16
1127	6814.92	3973.65
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1145	6906.19	4127.77
1146	6972.96	4122.86
1147	6973.05	4093.48
1148	6892.85	4092.67
1149	6928.66	4085.26
1150	6972.67	4069.18
1151	6921.81	4064.85
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1155	6908.89	3972.99
1156	6975.17	3991.68
1157	7003.03	4043.57
1158	7216.20	4011.93
1159	7178.84	4116.65
1160	7779.95	4867.70
1161	7767.73	4950.37
1162	7739.01	4942.95
1163	7785.36	5011.10
1164	7747.46	5117.40
1165	7732.73	5988.27
1166	6506.00	3910.98
1167	6506.00	3912.98
1168	6506.00	3914.98
1169	6506.00	3916.98
1170	6506.00	3918.98
1171	7577.57	5771.51
1172	6506.00	3922.98
1173	6506.00	3924.98
1174	6506.00	3926.98
1175	6506.00	3909.98
1176	6499.23	3901.65
1177	6497.23	3893.55
1178	6503.44	3884.54
1179	6513.04	3880.39
1180	7890.88	5993.27
1181	7815.33	5991.70
1182	7799.59	5991.37
1183	7796.44	5991.31
1184	7762.86	5990.61
1185	7737.16	5990.07
1186	7695.70	5989.21
1187	7644.82	5988.15
1188	7604.94	5987.32

1189	7527.81	5985.71
1190	7470.62	5984.52
1191	7418.16	5983.43
1192	7364.76	5977.07
1193	7311.24	5975.95
1194	7259.24	5977.49
1195	7205.72	5976.38
1196	7127.09	5955.68
1197	6865.19	5919.95
1198	6676.73	5191.90
1199	6754.21	3889.98
1200	6799.28	3893.54
1501	7720.11	5245.94
1502	7738.65	5237.94
1503	7708.06	5286.35
1504	7717.59	5281.13
1505	6735.65	4074.88
1506	7727.01	5272.51
1507	7755.03	5257.31
1508	7794.16	5240.52
1509	7821.46	5243.33
1510	6853.07	4158.16
1511	7827.23	5243.98
1512	7834.23	5235.72
1513	7839.77	5221.67
1514	7848.68	5221.86
1515	6860.87	4162.00
1516	7851.68	5229.27
1517	7852.47	5241.88
1518	7839.30	5244.23
1519	7849.24	5245.49
1520	6921.76	4212.08
1521	7852.91	5245.57
1522	7826.94	5257.62
1523	7852.11	5259.19
1524	7855.28	5257.68
1525	6851.46	4160.22
1526	7826.16	5269.67
1527	7838.75	5270.46
1528	7853.95	5271.31
1529	7857.64	5270.33
1530	6851.50	4158.13
1531	7855.83	5281.84
1532	7859.53	5280.87
1533	7857.26	5288.69
1534	7860.41	5288.76
1535	6850.95	4159.17
1536	7825.74	5290.13
1537	7840.95	5290.98
1538	7856.67	5292.36
1539	7825.55	5299.06
1540	7232.28	5785.55
1541	7856.46	5302.32
1542	7862.22	5302.44
1543	7728.59	5301.14
1544	7779.26	5303.87
1545	7250.47	5786.42
1546	7814.91	5306.18
1547	7821.21	5306.31
1548	7824.64	5317.94
1549	7825.28	5312.17
1550	6926.47	4237.89
1551	7825.40	5306.40
1552	7839.79	5321.40
1553	7840.08	5307.23
1554	7854.83	5330.11

1555	6928.06	4237.40
1556	7855.63	5317.00
1557	7856.34	5308.10
1558	7863.15	5308.77
1559	7866.53	5323.00
1560	6930.71	4261.60
1561	7861.56	5334.45
1562	7869.00	5330.40
1563	7835.15	5342.30
1564	7835.41	5329.70
1565	6924.85	4239.96
1566	7866.43	5352.40
1567	7872.24	5350.95
1568	7874.50	5343.12
1569	7879.20	5369.46
1570	6945.55	4279.76
1571	7882.89	5369.01
1572	7818.21	5374.49
1573	7837.26	5392.21
1574	7842.68	5383.92
1575	6946.60	4279.26
1576	7864.67	5387.00
1577	7873.09	5386.13
1578	7881.51	5384.73
1579	7885.19	5384.28
1580	6942.92	4279.70
1581	7883.37	5396.31
1582	7876.34	5406.15
1583	7843.52	5419.63
1584	7849.33	5417.65
1585	6996.20	4342.75
1586	7867.21	5416.45
1587	7875.08	5416.62
1588	7857.89	5435.15
1589	7878.34	5436.10
1590	7282.74	5786.99
1591	7889.41	5439.89
1592	7864.72	5459.96
1593	7878.19	5468.64
1594	7881.34	5468.71
1595	7298.67	5787.21
1596	7891.51	5458.95
1597	7889.87	5487.26
1598	7858.44	5483.98
1599	7872.40	5494.24
1600	7335.47	5788.45
1601	7875.53	5495.36
1602	7889.12	5498.27
1603	7891.74	5498.32
1604	7888.68	5519.25
1605	7107.75	4379.72
1606	7892.35	5519.33
1607	7885.95	5524.45
1608	7779.62	5513.30
1609	7793.79	5513.60
1610	7355.47	5789.12
1611	7805.92	5510.70
1612	7816.71	5521.95
1613	7836.04	5526.55
1614	7837.69	5522.91
1615	7387.91	5790.22
1616	7850.52	5536.83
1617	7852.70	5533.20
1618	7867.27	5539.28
1619	7876.70	5540.00
1620	7107.27	4478.91

1621	7877.15	5543.68
1622	7886.14	5540.20
1623	7886.05	5544.39
1624	7891.91	5540.32
1625	7409.58	5791.39
1626	7891.30	5544.50
1627	7878.35	5561.55
1628	7885.68	5562.23
1629	7889.89	5562.31
1630	7076.01	4366.46
1631	7885.09	5590.56
1632	7888.24	5590.62
1633	7883.44	5619.92
1634	7886.59	5619.98
1635	7065.17	4357.84
1636	7831.36	5650.33
1637	7848.16	5650.15
1638	7880.67	5651.88
1639	7883.81	5651.95
1640	7065.21	4356.26
1641	7880.05	5656.59
1642	7879.12	5676.00
1643	7876.86	5709.01
1644	7883.64	5735.93
1645	7083.99	4361.37
1646	7884.00	5794.20
1647	7443.25	5792.83
1648	7871.06	5810.72
1649	7884.76	5808.38
1650	7082.92	4362.40
1651	7884.69	5811.53
1652	7885.40	5820.87
1653	7886.52	5849.89
1654	7888.46	5883.00
1655	7105.17	4478.34
1656	7874.56	5894.77
1657	7888.74	5894.55
1658	7889.64	5901.39
1659	7891.46	5940.27
1660	7100.31	4485.06
1661	7891.28	5973.86
1662	7463.29	5794.01
1663	7098.51	4496.05
1664	7494.61	5794.98
1665	7103.28	4493.52
1666	7105.38	4493.57
1667	7106.09	4510.38
1668	7105.31	4522.44
1669	7100.17	4517.08
1670	7110.28	4485.27
1671	7579.43	5797.73
1672	7579.38	5796.59
1673	7581.69	5798.56
1674	7581.64	5797.26
1675	7101.73	4517.64
1676	7583.20	5796.33
1677	7585.58	5795.21
1678	7583.52	5799.59
1679	7583.74	5798.19
1680	7585.19	5807.42
1681	7582.27	5815.73
1682	7577.94	5821.94
1683	7585.43	5815.27
1684	7586.18	5804.27
1685	7108.47	4496.78
1686	7587.17	5806.91

1687	7588.75	5806.95
1688	7589.82	5805.92
1689	7589.34	5803.81
1690	7589.39	5803.22
1691	7591.49	5803.68
1692	7595.53	5809.19
1693	7591.81	5811.21
1694	7586.54	5812.15
1695	7095.09	4542.06
1696	7591.29	5806.76
1697	7590.81	5809.09
1698	7592.36	5810.36
1699	7593.43	5809.14
1700	7593.01	5807.27
1701	7599.15	5811.89
1702	7611.51	5823.17
1703	7611.19	5813.18
1704	7609.74	5807.38
1705	7098.98	4549.08
1706	7606.62	5805.74
1707	7602.07	5797.77
1708	7598.61	5798.42
1709	7593.71	5791.12
1710	7591.72	5791.63
1711	7592.03	5793.71
1712	7598.99	5796.81
1713	7590.18	5788.61
1714	7585.51	5785.88
1715	7517.81	5796.26
1716	7586.97	5791.16
1717	6691.88	5192.09
1718	7581.89	5783.18
1719	7579.35	5779.45
1720	7579.39	5777.36
1721	7579.04	5769.48
1722	7588.65	5769.15
1723	7590.47	5767.55
1724	7585.87	5768.56
1725	7097.44	4547.47
1726	7588.07	5771.09
1727	7094.54	4535.33
1728	7585.72	5769.88
1729	7098.53	4543.40
1730	7135.35	4923.69
1731	7141.48	4924.12
1732	7582.60	5774.27
1733	7581.99	5778.45
1734	7585.54	5784.83
1735	7084.28	4574.49
1736	7589.17	5787.00
1737	7591.81	5786.02
1738	7591.86	5783.91
1739	7589.76	5783.35
1740	7587.99	5785.22
1741	7588.31	5777.54
1742	7598.62	5786.67
1743	7601.03	5788.44
1744	7603.30	5788.88
1745	7064.64	4585.10
1746	7602.69	5792.53
1747	7609.42	5797.40
1748	7611.98	5800.60
1749	7611.94	5802.70
1750	7612.98	5802.72
1751	7613.10	5796.96
1752	7613.18	5794.82

1753	7612.07	5796.41
1754	7607.38	5794.73
1755	7051.78	4597.43
1756	7602.62	5796.21
1757	7597.45	5792.43
1758	7608.43	5794.23
1759	7608.97	5793.72
1760	7606.36	5793.14
1761	7606.37	5792.61
1762	7603.72	5793.61
1763	7603.74	5793.08
1764	7602.13	5794.62
1765	7050.00	4607.36
1766	7601.62	5794.09
1767	7591.61	5760.92
1768	7591.98	5763.05
1769	7592.48	5778.67
1770	7593.65	5783.26
1771	7597.03	5787.69
1772	7607.34	5796.84
1773	7610.82	5805.83
1774	7613.37	5809.03
1775	7048.20	4700.20
1776	7626.73	5822.96
1777	7615.91	5813.28
1778	7610.78	5807.41
1779	7607.30	5798.41
1780	7595.97	5787.67
1781	7590.36	5779.68
1782	7588.94	5772.83
1783	7589.58	5767.07
1784	7026.56	4718.38
1785	7034.87	4708.39
1786	7038.84	4704.96
1787	7024.78	4785.30
1788	7019.47	4813.02
1789	7011.85	4902.09
1790	7015.38	4933.66
1791	7329.18	5276.94
1792	7329.58	5278.11
1793	7571.86	5827.77
1794	7577.45	5821.20
1795	7030.46	4991.18
1796	7355.76	5278.75
1797	7340.87	5283.71
1798	7340.94	5280.56
1799	7337.60	5278.91
1800	7340.29	5275.33
1801	7341.05	5275.32
1802	7340.43	5269.56
1803	7341.18	5269.56
1804	7340.83	5260.62
1805	7022.29	5087.06
1806	7341.35	5260.63
1807	7341.43	5256.95
1808	7341.49	5254.33
1809	7022.03	5093.36
1810	7029.44	5090.36
1811	6699.89	4247.43
1812	7151.89	5265.24
1813	7167.92	5264.06
1814	7164.96	5266.81
1815	7030.21	5078.84
1816	7174.47	5267.14
1817	7171.09	5270.21
1818	7172.11	5271.80

1819	7173.67	5272.36
1820	7173.65	5273.41
1821	7177.32	5274.00
1822	7177.41	5269.28
1823	7178.41	5260.57
1824	7181.01	5272.51
1825	7014.52	5176.66
1826	7183.12	5272.03
1827	7183.68	5270.47
1828	7181.59	5267.26
1829	7184.67	5273.64
1830	7185.26	5270.50
1831	7187.39	5268.96
1832	7195.74	5271.25
1833	7191.95	5267.50
1834	7191.35	5265.08
1835	7010.84	5252.69
1836	7206.22	5267.83
1837	7209.38	5271.53
1838	7210.02	5265.77
1839	7217.87	5266.97
1840	7221.52	5268.63
1841	7222.59	5267.07
1842	7221.04	5266.00
1843	7224.79	5262.92
1844	7229.58	5259.35
1845	7013.34	5208.66
1846	7231.59	5288.78
1847	7230.86	5273.55
1848	7227.77	5270.33
1849	7225.72	5268.19
1850	7226.30	5265.58
1851	7228.42	5264.57
1852	7230.49	5265.67
1853	7228.89	5267.20
1854	7228.85	5269.31
1855	7007.66	5380.18
1856	7230.95	5269.35
1857	7232.05	5266.75
1858	7231.87	5250.36
1859	7230.38	5225.55
1860	7232.81	5214.56
1861	7235.47	5225.67
1862	7233.01	5250.20
1863	7233.86	5255.24
1864	7236.95	5258.46
1865	7025.87	5261.93
1866	7240.05	5260.62
1867	7246.87	5260.76
1868	7233.70	5263.11
1869	7236.34	5262.11
1870	7236.40	5259.49
1871	7233.78	5259.43
1872	7255.24	5261.24
1873	7245.86	5262.93
1874	7236.79	5265.80
1875	7261.28	5260.05
1876	7234.68	5266.81
1877	7233.59	5268.36
1878	7233.00	5271.50
1879	7249.15	5261.76
1880	7243.69	5262.26
1881	7240.02	5262.19
1882	7236.37	5261.07
1883	7234.31	5258.93
1884	7232.54	5255.77

1885	7687.80	5799.00
1886	7244.23	5272.38
1887	7257.05	5251.00
1888	7261.76	5251.63
1889	7261.40	5243.74
1890	7714.70	5976.56
1891	7068.62	4355.85
1892	7072.71	4355.35
1893	7026.49	5257.22
1894	7010.61	5263.71
1895	7013.19	5265.86
1896	7416.70	5372.95
1897	7416.85	5366.13
1898	7418.43	5374.59
1899	7418.62	5371.50
1900	7418.71	5366.17
1901	7420.51	5366.20
1902	7419.51	5364.08
1903	7420.69	5357.81
1904	7419.81	5349.91
1905	7001.88	5663.07
1906	7421.79	5355.73
1907	7421.73	5358.35
1908	7423.74	5362.60
1909	7424.72	5366.29
1910	7426.30	5365.80
1911	7428.44	5363.74
1912	7429.96	5366.40
1913	7431.50	5368.01
1914	7435.69	5368.10
1915	7005.61	5478.29
1916	7434.16	5366.49
1917	7438.31	5368.67
1918	7440.30	5370.45
1919	7431.99	5369.59
1920	7423.53	5372.57
1921	7001.66	5668.22
1922	7072.59	4363.74
1923	7008.05	5689.35
1924	7003.43	5709.19
1925	7015.39	5714.69
1926	7024.27	5741.65
1927	7042.07	5794.51
1928	7099.73	5848.72
1929	7209.46	5948.11
1930	7126.32	5894.17
1931	7123.39	5871.78
1932	7135.91	5875.19
1933	7127.93	5861.38
1934	7529.63	5898.09
1935	7460.01	5964.87
1936	7470.33	5973.49
1937	7460.58	5962.79
1938	7526.13	5965.73
1939	7528.07	5973.12
1940	7534.89	5873.01
1941	7544.67	5856.94
1942	7622.63	5151.93
1943	7620.89	5151.95
1944	7675.52	5299.31
1945	7678.75	5297.90
1946	7791.61	5661.46
1947	7795.89	5657.26
1948	7069.14	4361.00
1949	6922.46	5098.37
1950	7106.03	4513.01

1951	7218.90	5695.94
1952	7107.80	4453.21
1953	7107.91	4447.96
1954	7105.71	4452.64
1955	7105.81	4447.92
1956	7064.15	4829.33
1957	7068.51	4835.04
1958	7061.65	4830.85
1959	7065.87	4836.25
1960	7009.90	4910.71
1961	7017.10	4911.22
1962	7009.83	5200.18
1963	7018.23	5200.36
1964	7018.36	5150.00
1965	7017.04	5142.39
1966	7020.05	5150.04
1967	7018.95	5142.25
1968	7466.72	5970.26
1969	7464.66	5968.65
1970	7465.89	5959.75
1971	7468.01	5958.75
1972	7479.81	5972.12
1973	7485.07	5971.70
1974	7488.86	5965.48
1975	7495.70	5965.10
1976	7488.91	5963.38
1977	7496.27	5963.01
1978	7530.76	5962.93
1979	7549.45	5853.89
1980	7548.76	5852.91
1981	7797.15	5660.14
1982	7790.75	5658.79
1983	7615.10	5268.43
1984	7619.63	5153.50
1985	7678.62	5299.37
1986	7675.83	5297.90
1987	7624.95	5268.64
1988	7534.07	5270.74
1989	7535.78	5270.74
1990	6969.42	4970.02
1991	6840.08	4889.52
1992	7634.58	5893.25
1993	7637.03	5868.59
1994	7623.45	5936.48
1995	7634.09	5936.92
1996	7760.33	5914.60
1997	7762.92	5893.76
1998	7517.65	5900.21
1999	7530.09	5925.54
2000	7209.52	5945.49
2001	7220.33	5696.12
2002	7556.18	5380.06
2003	7365.16	5957.65
2004	7365.78	5952.94
2005	7528.16	5926.46
2006	7418.72	5956.14
2007	7419.52	5943.04
2008	7344.88	5865.15
2009	7471.19	5957.23
2010	7471.98	5944.66
2011	7472.80	5930.51
2012	7119.57	4575.51
2013	7519.45	5958.77
2014	6933.64	4644.48
2015	7635.88	5880.16
2016	7891.11	5982.07

2017	7528.27	5963.67
2018	7815.52	5982.57
2019	7580.31	5960.56
2020	7605.49	5961.08
2021	7607.06	5935.93
2022	7623.84	5961.99
2023	7633.28	5962.19
2024	7633.53	5950.12
2025	7645.35	5962.44
2026	7648.31	5946.23
2027	7659.99	5939.65
2028	7675.77	5963.60
2029	7696.22	5964.55
2030	7737.54	5971.71
2031	7763.36	5967.00
2032	7781.19	5967.37
2033	7796.92	5968.22
2034	7798.73	5983.91
2035	7571.26	5876.35
2036	7815.77	5970.71
2037	7796.60	5983.79
2038	7844.89	5958.72
2039	7845.77	5941.42
2040	7826.89	5940.51
2041	7126.52	5908.39
2042	7763.03	5982.55
2043	7737.32	5982.55
2044	7708.40	5972.46
2045	7596.89	5878.15
2046	7207.28	5901.36
2047	7260.80	5902.47
2048	7286.01	5901.94
2049	7314.35	5902.01
2050	7343.42	5892.11
2051	7367.75	5908.89
2052	7368.07	5893.15
2053	7396.91	5894.81
2054	7422.08	5895.85
2055	7572.35	5850.71
2056	7447.77	5897.44
2057	7474.28	5909.54
2058	7474.50	5899.05
2059	7695.90	5979.83
2060	7599.76	5852.09
2061	7501.25	5900.12
2062	7502.32	5873.90
2063	7645.01	5979.04
2064	7531.21	5898.12
2065	7559.58	5822.47
2066	7536.45	5873.57
2067	7556.31	5902.85
2068	7583.06	5903.93
2069	7607.31	5923.85
2070	7608.75	5904.99
2071	7609.02	5891.87
2072	7609.82	5878.76
2073	7623.45	5905.29
2074	7634.56	5926.00
2075	7465.69	5818.82
2076	7633.93	5906.04
2077	7652.22	5910.10
2078	7673.87	5928.39
2079	7686.31	5911.33
2080	7697.53	5951.98
2081	7697.90	5934.14
2082	7718.91	5933.52

2083	7731.85	5917.00
2084	7738.98	5929.66
2085	7566.29	5663.61
2086	7740.32	5913.50
2087	7741.30	5892.00
2088	7752.72	5948.40
2089	7752.10	5927.40
2090	7754.48	5914.32
2091	7779.90	5928.50
2092	7798.35	5950.41
2093	7798.79	5928.90
2094	7799.84	5903.72
2095	7527.06	5662.89
2096	7808.87	5949.05
2097	7801.41	5929.48
2098	7801.68	5916.36
2099	7801.96	5902.72
2100	7815.77	5919.79
2101	7827.80	5922.15
2102	7828.60	5908.52
2103	6865.60	5900.53
2104	6867.09	5879.57
2105	7568.78	5611.32
2106	6852.76	5861.95
2107	7605.13	5978.05
2108	7527.92	5980.54
2109	7101.34	5847.18
2110	7595.20	5611.81
2111	7470.51	5980.35
2112	7122.96	5867.11
2113	7124.71	5847.92
2114	7418.38	5972.85
2115	7621.96	5611.47
2116	7158.00	5848.36
2117	7180.68	5849.12
2118	7210.46	5849.45
2119	7218.33	5849.61
2120	7597.98	5611.78
2121	7252.47	5848.75
2122	7261.78	5880.97
2123	7269.59	5849.57
2124	7290.25	5849.54
2125	7105.15	5402.10
2126	7315.66	5864.25
2127	7317.26	5838.04
2128	7318.22	5817.06
2129	7318.97	5806.05
2130	7345.56	5840.20
2131	7346.72	5809.78
2132	7368.63	5866.39
2133	7370.21	5841.24
2134	7371.39	5809.24
2135	7364.94	5968.44
2136	7397.99	5868.06
2137	7399.56	5842.89
2138	7400.66	5815.63
2139	7423.16	5869.11
2140	7424.22	5843.40
2141	7425.83	5816.68
2142	7449.89	5871.24
2143	7450.97	5844.49
2144	7452.56	5818.28
2145	7438.65	5560.54
2146	7452.91	5812.75
2147	7462.50	5845.26
2148	7468.26	5845.90

2149	7475.58	5872.30
2150	7477.20	5845.56
2151	7477.86	5838.76
2152	7478.27	5819.34
2153	7479.04	5807.29
2154	7491.86	5846.92
2155	7311.61	5967.21
2156	7503.12	5860.79
2157	7503.93	5847.17
2158	7505.51	5821.48
2159	7518.07	5848.51
2160	7530.66	5848.77
2161	7530.92	5836.18
2162	7531.21	5822.54
2163	7531.99	5810.49
2164	7547.97	5849.66
2165	7464.26	5527.08
2166	7545.71	5857.49
2167	7557.92	5876.11
2168	7558.99	5849.89
2169	7558.71	5837.81
2170	7560.37	5808.45
2171	7583.60	5877.70
2172	7585.20	5851.49
2173	7610.03	5868.80
2174	7610.90	5852.54
2175	7505.41	5529.64
2176	7611.67	5840.49
2177	7611.83	5833.15
2178	7625.03	5853.89
2179	7638.68	5854.17
2180	7651.06	5839.74
2181	7663.41	5851.54
2182	7663.47	5848.39
2183	7664.80	5834.78
2184	7674.99	5849.68
2185	7313.29	5927.31
2186	7679.71	5874.97
2187	7689.54	5856.80
2188	7690.47	5837.41
2189	7703.04	5863.91
2190	7722.50	5861.69
2191	7722.78	5848.58
2192	7723.58	5835.47
2193	7741.45	5884.66
2194	7742.88	5866.31
2195	7316.14	5955.71
2196	7750.33	5836.56
2197	7769.04	5870.01
2198	7783.73	5870.84
2199	7794.98	5884.73
2200	7795.77	5872.14
2201	7796.52	5861.66
2202	7794.20	5846.91
2203	7802.15	5893.79
2204	7801.54	5872.26
2205	7312.16	5954.05
2206	6858.29	4894.82
2207	7850.31	5899.52
2208	6869.45	5816.63
2209	6856.11	5751.27
2210	7317.78	5952.95
2211	6905.74	5787.99
2212	7259.55	5962.64
2213	6950.05	5751.65
2214	6962.34	5741.93

2215	7414.22	5631.32
2216	7206.03	5961.65
2217	7044.18	5794.02
2218	6997.45	5713.96
2219	7182.30	5656.59
2220	7446.38	5356.53
2221	7193.35	5648.58
2222	7159.60	5822.15
2223	7161.90	5796.40
2224	7199.02	5742.99
2225	7441.11	5499.89
2226	7184.77	5767.25
2227	7126.88	5938.24
2228	7214.90	5795.39
2229	7240.98	5790.39
2230	7441.49	5492.62
2231	7265.03	5825.40
2232	7266.25	5792.36
2233	7217.06	5767.43
2234	7220.85	5779.33
2235	7474.91	5287.15
2236	7232.63	5783.92
2237	7250.18	5784.12
2238	7259.99	5790.12
2239	7260.20	5780.15
2240	7266.28	5790.78
2241	7267.02	5780.29
2242	7274.16	5790.41
2243	7273.84	5780.44
2244	7283.16	5785.22
2245	7447.36	5287.24
2246	7298.00	5785.33
2247	7309.33	5791.30
2248	7306.94	5781.13
2249	7319.80	5791.36
2250	7320.54	5781.41
2251	7327.15	5791.52
2252	7326.84	5781.54
2253	7335.89	5786.32
2254	7355.47	5787.10
2255	7347.59	5793.00
2256	7365.44	5792.84
2257	7365.65	5782.88
2258	7372.26	5792.98
2259	7372.47	5783.02
2260	7378.55	5793.64
2261	7379.80	5783.70
2262	7389.01	5788.45
2263	7401.62	5794.65
2264	7401.84	5784.16
2265	7652.60	5642.24
2266	7409.83	5789.48
2267	7419.77	5795.45
2268	7420.19	5785.07
2269	7426.78	5796.22
2270	7427.52	5785.73
2271	7434.13	5796.37
2272	7434.35	5785.88
2273	7444.00	5791.04
2274	7453.54	5796.77
2275	7672.57	5588.24
2276	7454.26	5787.35
2277	7463.29	5791.98
2278	7472.93	5798.23
2279	7473.15	5787.74
2280	7479.23	5797.84

2281	7479.96	5788.41
2282	7486.05	5798.51
2283	7486.79	5788.02
2284	7495.83	5793.05
2285	6772.71	3953.30
2286	7506.50	5799.46
2287	7506.18	5789.48
2288	7516.09	5794.01
2289	7526.95	5800.41
2290	7527.16	5789.92
2291	7532.72	5800.53
2292	7532.94	5790.04
2293	7537.44	5800.63
2294	6744.45	3952.05
2295	7519.52	5925.14
2296	7537.65	5790.65
2297	7546.58	5796.85
2298	7546.42	5795.14
2299	7555.79	5801.53
2300	7556.54	5791.05
2301	7560.51	5801.63
2302	7561.25	5791.67
2303	7569.63	5797.53
2304	7569.85	5796.02
2305	7520.51	5923.74
2306	7625.64	5799.84
2307	7626.43	5786.74
2308	7640.32	5800.66
2309	7651.33	5801.42
2310	7665.74	5814.84
2311	7666.54	5801.74
2312	7666.83	5788.09
2313	7681.74	5802.58
2314	7687.52	5802.70
2315	7519.53	5900.34
2316	7691.43	5816.43
2317	7692.24	5802.80
2318	7692.91	5795.99
2319	7692.97	5792.84
2320	7693.26	5779.20
2321	7700.10	5803.49
2322	7705.87	5803.61
2323	7706.01	5796.78
2324	7706.67	5790.50
2325	7114.78	5616.46
2326	7713.73	5804.30
2327	7720.31	5790.79
2328	7724.48	5817.65
2329	7725.26	5805.06
2330	7725.41	5798.24
2331	7726.07	5791.44
2332	7732.37	5791.57
2333	7740.22	5792.25
2334	7739.69	5817.96
2335	7459.21	5719.03
2336	7751.22	5818.72
2337	7751.49	5806.13
2338	7752.13	5799.85
2339	7752.81	5792.51
2340	7762.77	5793.24
2341	7769.06	5819.09
2342	7771.95	5806.56
2343	7772.09	5799.74
2344	7772.22	5793.44
2345	7467.46	5720.06
2346	7786.24	5825.75

2347	7788.86	5825.81
2348	7782.53	5802.58
2349	7781.02	5798.87
2350	7780.09	5793.60
2351	7788.51	5792.74
2352	7805.80	5794.14
2353	7825.20	5795.07
2354	7839.75	5802.19
2355	7450.39	5716.17
2356	7834.68	5818.89
2357	7842.85	5804.37
2358	7852.19	5809.28
2359	7026.92	5740.65
2360	6771.72	4170.91
2361	6799.01	3913.03
2362	6753.11	3906.16
2363	7110.28	5720.35
2364	7134.77	5720.85
2365	7086.53	5587.30
2366	6663.86	4051.09
2367	7162.50	5270.58
2368	7163.89	5741.93
2369	7185.11	5743.04
2370	6675.67	4182.53
2371	7212.20	5766.03
2372	7212.68	5742.95
2373	7214.25	5742.69
2374	7236.52	5732.42
2375	6692.23	4183.12
2376	7252.69	5737.48
2377	7267.90	5763.00
2378	7266.77	5741.98
2379	7270.75	5726.84
2380	6716.39	4183.99
2381	7282.62	5737.06
2382	7293.19	5733.60
2383	7301.11	5731.14
2384	7321.50	5760.43
2385	6757.46	4183.95
2386	7322.65	5730.54
2387	7372.62	5775.67
2388	7373.42	5762.57
2389	7374.15	5752.61
2390	7402.65	5770.52
2391	7403.56	5752.17
2392	7428.33	5772.11
2393	7430.83	5752.74
2394	7435.34	5738.14
2395	6781.56	4290.10
2396	7454.69	5766.89
2397	7455.65	5745.91
2398	7455.79	5739.08
2399	7463.12	5739.76
2400	7480.80	5773.21
2401	7480.38	5767.95
2402	7481.86	5747.50
2403	7482.01	5740.16
2404	7482.93	5721.82
2405	6727.03	4287.56
2406	7494.42	5774.53
2407	7495.90	5741.14
2408	7507.54	5774.81
2409	7508.07	5749.10
2410	7508.75	5741.77
2411	7508.93	5733.37
2412	7509.60	5726.04

2413	7509.19	5720.78
2414	7520.29	5742.01
2415	6673.53	4285.38
2416	7533.76	5775.88
2417	7537.07	5742.88
2418	7540.07	5725.09
2419	7559.63	5743.35
2420	7564.88	5768.65
2421	7589.52	5745.02
2422	7589.80	5731.38
2423	7590.61	5717.75
2424	7593.63	5745.12
2425	6942.10	4319.16
2426	7609.97	5745.97
2427	7611.05	5719.22
2428	7613.51	5777.01
2429	7614.48	5756.04
2430	7615.21	5746.08
2431	7615.94	5736.65
2432	7616.31	5718.81
2433	7627.97	5763.66
2434	7628.30	5747.93
2435	6925.26	4319.44
2436	7628.57	5734.81
2437	7630.16	5733.80
2438	7627.14	5727.96
2439	7629.40	5720.13
2440	7642.98	5748.23
2441	7668.32	5767.13
2442	7669.20	5749.30
2443	7669.65	5727.79
2444	7682.31	5750.10
2445	6672.62	4343.12
2446	7694.08	5758.66
2447	7694.91	5750.37
2448	7695.72	5736.21
2449	7707.48	5776.87
2450	7708.53	5751.18
2451	7709.35	5737.02
2452	7722.16	5751.99
2453	7732.66	5777.40
2454	7734.23	5752.76
2455	6726.23	4342.95
2456	7747.86	5753.04
2457	7267.89	5863.26
2458	7752.33	5757.20
2459	7759.93	5753.29
2460	7772.50	5779.80
2461	7772.35	5761.95
2462	7770.94	5754.05
2463	7768.69	5736.16
2464	7788.77	5754.95
2465	6680.67	4343.28
2466	7017.50	5714.21
2467	7010.15	5688.86
2468	7003.77	5667.74
2469	7034.10	5673.09
2470	7134.72	5680.96
2471	7039.21	5680.03
2472	7047.38	5690.69
2473	7061.04	5690.45
2474	7087.80	5690.48
2475	6834.18	4345.39
2476	7112.46	5691.00
2477	7130.54	5690.81
2478	7139.05	5699.95

2479	7156.02	5691.38
2480	7162.63	5279.00
2481	7222.05	5686.73
2482	7225.31	5694.51
2483	7164.33	5720.94
2484	7166.74	5680.57
2486	7191.93	5681.10
2487	7204.52	5681.36
2488	7220.23	5700.06
2489	7224.89	5685.99
2491	7245.37	5685.36
2492	7245.79	5665.43
2493	7271.07	5711.62
2494	7271.63	5684.87
2497	7272.26	5679.63
2498	7273.08	5666.00
2499	7296.68	5692.21
2500	7296.95	5679.09
2501	7297.72	5667.56
2502	7306.13	5691.88
2503	7323.65	5707.46
2504	7324.49	5692.26
2505	6861.86	4346.38
2506	7325.13	5687.02
2507	7326.09	5666.05
2508	7356.17	5683.48
2510	7388.70	5684.15
2511	7403.73	5718.58
2512	7404.97	5684.49
2513	7405.39	5664.03
2514	7435.23	5718.19
2515	6914.62	4401.15
2516	7434.96	5706.11
2517	7434.74	5691.40
2518	7434.33	5685.63
2519	7268.57	5836.19
2520	7453.22	5686.02
2521	7457.42	5686.11
2522	7457.72	5671.94
2523	7462.25	5706.15
2525	6916.61	4347.34
2526	7472.10	5712.13
2527	7483.54	5717.09
2528	7483.78	5705.55
2529	7483.96	5696.64
2530	7484.62	5690.35
2531	7484.17	5686.67
2532	7498.26	5691.16
2533	7498.85	5688.02
2534	7511.37	5691.43
2535	6670.92	4449.32
2536	7511.96	5688.29
2537	7526.12	5688.59
2538	7537.64	5715.60
2539	7541.32	5715.15
2540	7538.05	5695.66
2541	7538.71	5689.38
2542	7538.98	5676.79
2543	7552.86	5690.20
2544	7565.33	5696.23
2545	6724.19	4449.32
2546	7565.45	5690.46
2547	7565.72	5677.34
2548	7579.08	5691.27
2549	7591.35	5707.27
2550	7591.56	5696.78

2551	7591.67	5691.53
2552	7592.47	5678.43
2553	7595.48	5697.24
2554	7595.65	5691.61
2555	7611.49	5698.24
2556	7615.27	5692.54
2557	7617.08	5706.75
2558	7617.90	5692.59
2559	7625.77	5692.76
2560	7631.53	5693.41
2561	7643.70	5713.61
2562	7648.31	5694.28
2563	7665.61	5695.17
2564	7671.09	5709.45
2565	7671.91	5695.30
2566	7681.48	5695.59
2567	7697.31	5710.52
2568	7697.80	5696.99
2570	7710.94	5711.33
2571	7711.22	5698.22
2572	7723.75	5726.29
2573	7724.85	5699.03
2574	7735.03	5739.13
2575	6699.89	4449.32
2576	7735.98	5718.67
2577	7737.43	5699.82
2578	7765.23	5725.59
2579	7757.92	5698.66
2580	7754.54	5684.43
2581	7783.10	5699.19
2582	7804.08	5700.15
2583	6693.11	5663.89
2584	6695.78	5561.07
2586	7077.12	5649.32
2587	7113.46	5668.45
2588	7115.14	5638.04
2589	7115.30	5630.17
2590	6699.34	4421.08
2591	7116.72	5618.72
2592	7128.25	5638.31
2593	7134.72	5680.96
2595	6699.33	4368.06
2596	7139.28	5638.01
2598	7156.09	5637.84
2599	7168.30	5656.47
2600	6699.88	4343.14
2601	7169.22	5637.59
2602	7170.30	5610.84
2603	7192.95	5656.68
2604	7193.87	5638.10
2605	6699.61	4326.70
2606	7194.96	5610.83
2607	7209.10	5637.89
2608	7218.50	5637.98
2609	7235.34	5638.44
2610	6700.17	4316.63
2611	7246.87	5638.68
2612	7248.44	5614.04
2613	7261.57	5638.99
2614	7273.34	5653.41
2615	6700.70	4286.49
2616	7274.16	5639.25
2617	7275.21	5614.08
2618	7298.52	5653.93
2619	7299.35	5639.25
2620	7300.92	5614.62

2621	7316.38	5628.06
2622	7326.19	5661.33
2623	7328.45	5628.31
2624	7329.28	5613.63
2625	7328.21	5639.85
2626	7330.07	5601.05
2627	7341.55	5629.10
2628	7353.63	5629.35
2629	7355.06	5610.49
2630	7360.97	5629.51
2631	7368.30	5630.19
2632	7375.13	5629.80
2633	7380.89	5630.45
2634	7381.81	5611.57
2635	6674.07	4259.50
2636	7394.54	5630.73
2637	7405.66	5651.43
2638	7406.07	5631.50
2639	7407.50	5613.16
2641	7459.25	5648.35
2642	7459.48	5637.33
2643	7460.48	5614.79
2644	7485.22	5661.49
2645	6727.68	4259.23
2646	7486.24	5637.89
2647	7487.75	5615.88
2648	7495.17	5638.08
2649	7513.03	5662.60
2650	7514.05	5638.47
2651	7515.17	5609.62
2652	7528.74	5638.78
2653	7539.78	5663.15
2654	7540.04	5650.56
2655	6699.88	4259.37
2656	7540.81	5639.03
2657	7541.92	5610.71
2658	7555.50	5639.33
2659	7566.80	5651.12
2660	7567.57	5639.58
2661	7567.77	5629.62
2662	7581.21	5639.87
2663	7592.88	5659.01
2664	7593.54	5652.72
2665	6699.89	4236.65
2666	7593.78	5641.18
2667	7596.72	5659.55
2668	7597.58	5641.28
2669	7601.39	5641.36
2670	7618.76	5676.35
2671	7619.63	5660.09
2672	7619.81	5651.17
2673	7620.53	5642.27
2674	7620.70	5633.87
2675	7064.74	4680.67
2676	7626.97	5660.25
2677	7627.87	5642.42
2678	7631.86	5677.67
2679	7633.26	5660.90
2680	7633.45	5651.98
2681	7634.17	5642.55
2682	7634.34	5634.16
2683	7642.05	5642.19
2684	7646.90	5661.19
2685	7172.14	4735.45
2686	7647.66	5649.65
2687	7647.93	5636.54

2688	7650.18	5680.14
2689	7653.72	5661.33
2690	7668.92	5662.16
2691	7672.18	5682.18
2692	7673.09	5663.83
2693	7673.13	5662.25
2694	7673.76	5656.50
2695	7685.34	5680.36
2696	7693.58	5662.68
2697	7699.13	5673.82
2698	7699.35	5663.32
2699	7699.47	5657.55
2700	7712.09	5681.43
2701	7712.45	5664.12
2702	7720.84	5664.30
2703	7731.39	5661.89
2704	7739.02	5673.60
2705	7004.02	5661.76
2706	7739.30	5659.96
2707	7740.07	5648.43
2708	7752.11	5674.92
2709	7748.22	5660.15
2710	7745.76	5652.22
2711	7743.29	5644.82
2712	7754.00	5660.27
2713	7770.28	5660.08
2714	7787.05	5660.96
2715	6954.73	4425.61
2717	7117.86	5582.98
2718	7136.88	5602.27
2719	7160.40	5583.58
2721	7154.06	5583.73
2722	7167.31	5577.72
2723	7170.96	5579.36
2724	7171.05	5574.64
2725	7142.84	4794.51
2726	7157.91	5580.59
2727	7195.49	4794.78
2728	7196.05	5584.08
2729	7209.78	5580.17
2730	7208.73	4794.56
2731	7220.20	5575.33
2732	7237.16	5575.49
2733	7250.68	5582.08
2734	7250.83	5574.72
2735	7167.71	4794.64
2736	7250.99	5566.85
2737	7264.99	5575.54
2738	7276.91	5582.62
2739	7276.54	5575.26
2740	7277.24	5566.88
2741	7289.15	5575.00
2742	7303.15	5582.64
2743	7303.31	5575.30
2744	7303.43	5569.53
2745	7106.29	5164.50
2746	7316.96	5575.06
2747	7330.96	5583.75
2748	7331.14	5574.82
2749	7331.89	5563.82
2750	7342.67	5575.59
2751	7356.13	5584.79
2752	7356.83	5576.41
2753	7357.03	5566.44
2754	7369.94	5576.69
2755	7246.16	5167.65

2756	7382.36	5585.34
2757	7383.05	5577.48
2758	7383.23	5568.56
2759	7396.69	5577.76
2760	7409.66	5585.39
2761	7409.80	5578.56
2762	7421.86	5578.81
2763	7448.09	5579.36
2764	7462.11	5587.00
2765	7291.39	5169.11
2766	7462.25	5580.18
2767	7462.34	5575.99
2768	7476.93	5581.01
2769	7489.37	5588.62
2770	7490.05	5581.29
2771	7490.13	5577.08
2772	7503.68	5582.10
2773	7511.03	5581.72
2774	7517.18	5589.20
2775	7318.12	5170.62
2776	7516.27	5582.36
2777	7528.86	5582.62
2778	7543.54	5583.44
2779	7569.47	5598.69
2780	7569.77	5584.52
2781	7560.23	5557.77
2782	7647.81	5642.40
2783	7595.69	5599.76
2784	7596.50	5585.60
2785	7344.58	5171.28
2786	7599.99	5585.60
2787	7609.10	5585.86
2788	7616.97	5586.03
2789	7621.45	5623.39
2790	7622.45	5599.79
2791	7623.26	5586.16
2792	7635.13	5621.05
2793	7636.50	5596.71
2794	7636.90	5586.97
2795	7213.63	5117.16
2796	7643.20	5587.10
2797	7648.73	5623.43
2798	7649.46	5614.00
2799	7649.73	5600.88
2800	7651.06	5587.79
2801	7663.12	5588.04
2802	7674.78	5632.90
2803	7675.79	5618.87
2804	7676.98	5603.02
2805	7267.44	5117.73
2806	7677.29	5588.34
2807	7701.01	5633.45
2808	7697.96	5603.99
2809	7716.79	5606.48
2810	7741.37	5636.38
2811	7727.28	5607.22
2812	7719.61	5597.09
2814	7314.74	5890.75
2815	7451.87	5183.03
2816	7314.05	5909.21
2817	7367.20	5921.10
2819	7570.32	5903.42
2820	7479.17	5183.04
2821	7505.41	5183.79
2822	7221.81	5533.07
2823	7221.81	5529.83

2824	7252.09	5539.59
2825	7532.16	5184.70
2826	7252.42	5523.85
2827	7265.73	5539.87
2828	7277.79	5540.12
2829	7278.69	5522.30
2830	7558.42	5184.50
2831	7293.00	5540.97
2832	7305.07	5541.22
2833	7305.45	5522.85
2834	7319.23	5541.51
2835	7256.75	4899.66
2836	7332.19	5549.13
2837	7332.35	5541.79
2838	7333.26	5523.43
2839	7344.26	5549.91
2840	7357.90	5550.19
2841	7358.17	5537.07
2842	7359.03	5520.82
2843	7371.02	5550.46
2844	7371.09	5521.60
2845	7250.70	4920.82
2846	7383.44	5558.60
2847	7383.61	5550.73
2848	7383.87	5538.13
2849	7384.21	5521.87
2850	7397.24	5551.53
2851	7410.20	5559.15
2852	7410.87	5551.81
2853	7411.54	5519.81
2854	7422.95	5552.06
2855	7396.41	4961.05
2856	7424.13	5520.59
2857	7439.00	5551.46
2858	7462.55	5561.85
2859	7463.36	5551.86
2860	7477.52	5552.68
2861	7490.81	5569.75
2862	7491.12	5555.06
2863	7492.18	5529.37
2864	7505.27	5555.88
2865	7750.99	5792.49
2866	7517.03	5570.82
2867	7517.88	5555.62
2868	7518.14	5543.03
2869	7518.41	5529.91
2870	7531.50	5556.43
2871	7544.61	5557.22
2872	7545.41	5544.12
2873	7545.68	5531.00
2874	7570.54	5571.94
2875	7584.02	5870.77
2876	7580.75	5558.50
2877	7583.44	5885.69
2878	7623.10	5879.47
2879	7596.77	5573.01
2880	7597.05	5559.37
2881	7597.85	5546.26
2882	7601.04	5559.47
2883	7621.71	5559.88
2884	7623.50	5574.61
2885	7806.07	5941.70
2886	7624.33	5560.46
2887	7624.46	5554.16
2888	7625.33	5537.39
2889	7637.69	5574.39

2890	7637.97	5560.75
2891	7638.63	5554.46
2892	7638.96	5538.72
2893	7651.33	5574.67
2894	7652.13	5561.04
2895	7812.72	5938.05
2896	7653.00	5544.79
2897	7664.19	5561.82
2898	7677.95	5581.52
2899	7678.34	5562.63
2900	7679.30	5541.66
2901	7683.60	5562.22
2902	7700.75	5570.45
2903	7695.15	5562.46
2905	7829.96	5892.82
2907	7008.76	5478.35
2910	7829.67	5894.38
2913	7833.01	5896.56
2914	7120.01	5480.14
2915	7825.65	5895.64
2916	7175.08	5481.82
2917	7192.44	5480.08
2918	7216.53	5482.68
2919	7224.60	5481.71
2920	7646.04	5774.57
2921	7241.53	5517.32
2922	7238.95	5515.17
2923	7240.73	5480.03
2924	7252.74	5508.11
2925	7762.39	5768.47
2926	7253.34	5504.97
2927	7253.60	5492.38
2928	7253.77	5483.98
2929	7253.85	5480.31
2930	7708.00	5764.78
2931	7266.39	5508.39
2932	7268.46	5484.29
2933	7278.98	5508.65
2934	7279.23	5496.58
2935	7746.93	5771.18
2936	7279.44	5486.61
2937	7277.90	5485.01
2938	7285.85	5481.50
2939	7285.91	5478.35
2940	7280.26	5472.46
2941	7286.85	5508.82
2942	7294.99	5470.66
2943	7305.74	5509.21
2944	7306.53	5496.63
2945	7752.06	5778.80
2946	7306.84	5481.41
2947	7307.01	5473.54
2948	7307.19	5464.63
2949	7307.27	5460.95
2950	7313.08	5509.36
2951	7320.00	5454.39
2952	7326.20	5509.64
2953	7333.53	5510.32
2954	7333.12	5504.53
2955	7720.94	5776.52
2956	7334.13	5481.46
2957	7334.29	5473.59
2958	7334.40	5468.34
2959	7346.12	5510.58
2960	7348.05	5468.63
2961	7359.24	5510.85

2962	7359.53	5496.68
2963	7359.84	5482.00
2964	7360.11	5468.88
2965	7797.93	5859.78
2966	7366.66	5482.14
2967	7366.94	5469.02
2968	7374.80	5469.70
2969	7386.30	5496.71
2970	7385.92	5489.89
2971	7386.59	5483.07
2972	7386.86	5469.95
2973	7400.50	5470.24
2974	7399.95	5497.00
2975	7887.49	5866.47
2976	7412.50	5498.84
2977	7412.64	5492.01
2978	7412.80	5484.67
2979	7450.78	5561.21
2980	7414.12	5471.57
2981	7425.09	5499.10
2982	7427.24	5471.85
2983	7433.22	5499.30
2984	7442.52	5472.65
2985	7801.87	5883.72
2986	7456.56	5500.27
2987	7464.61	5517.24
2988	7465.48	5500.46
2989	7466.25	5488.93
2990	7466.42	5481.06
2991	7466.58	5473.19
2992	7473.88	5500.63
2993	7481.21	5501.31
2994	7481.25	5474.03
2995	7403.12	5761.13
2996	7492.38	5519.92
2997	7493.28	5501.57
2998	7493.52	5490.03
2999	7493.68	5482.16
3000	7494.37	5474.30
3001	7507.96	5502.40
3003	7519.20	5516.81
3004	7519.50	5502.64
3005	7429.66	5761.77
3006	7520.27	5491.10
3007	7520.59	5475.36
3008	7534.18	5503.47
3009	7535.28	5476.20
3010	7545.95	5517.88
3011	7546.77	5503.73
3012	7547.05	5490.62
3013	7547.87	5476.46
3014	7559.89	5504.01
3015	7496.75	5725.56
3016	7562.54	5477.29
3017	7572.87	5511.10
3018	7573.53	5504.29
3019	7573.80	5491.70
3020	7574.62	5477.54
3021	7587.54	5511.93
3022	7587.17	5505.10
3023	7589.30	5477.85
3024	7598.92	5520.04
3025	7469.59	5700.97
3026	7599.61	5512.18
3027	7600.28	5505.37
3028	7600.55	5492.77

3029	7601.36	5478.63
3030	7603.60	5512.61
3031	7604.19	5505.76
3032	7618.48	5513.63
3033	7619.15	5506.28
3034	7624.44	5479.63
3035	7570.18	5716.67
3037	7626.36	5513.26
3038	7627.02	5506.45
3039	7627.27	5500.25
3040	7628.11	5479.71
3041	7627.71	5473.40
3042	7639.84	5520.89
3043	7639.96	5515.12
3044	7640.65	5507.26
3045	7537.84	5705.67
3046	7640.88	5496.24
3047	7641.22	5479.98
3048	7641.87	5474.22
3049	7647.83	5515.28
3050	7653.99	5522.24
3051	7654.12	5515.94
3052	7654.29	5508.07
3053	7655.11	5493.91
3054	7655.38	5480.79
3055	7587.05	5760.93
3056	7661.67	5480.93
3057	7674.26	5481.71
3058	7673.53	5516.87
3059	7674.22	5508.49
3060	7680.07	5530.13
3061	7680.87	5517.02
3062	7680.93	5514.40
3063	7681.05	5508.63
3064	7681.32	5495.51
3065	7505.16	5827.14
3066	7682.14	5481.35
3067	7706.56	5518.60
3068	7707.27	5509.70
3069	7718.79	5510.47
3070	7017.18	5427.09
3071	7001.44	5426.76
3072	7043.41	5427.64
3074	7070.71	5427.68
3075	7492.22	5820.44
3076	7098.51	5428.26
3077	7121.58	5454.46
3078	7122.66	5428.24
3079	7149.96	5428.28
3080	7518.21	5822.00
3082	7176.19	5428.82
3083	7176.33	5422.01
3084	7425.50	5822.24
3085	7439.42	5817.49
3086	7197.19	5428.74
3087	7215.56	5428.60
3088	7215.15	5422.82
3089	7216.39	5399.99
3090	7426.05	5811.93
3091	7224.43	5428.85
3092	7242.33	5428.63
3093	7254.88	5456.19
3094	7255.45	5428.90
3095	7414.12	5816.19
3096	7256.28	5402.98
3097	7281.41	5442.57

3098	7283.17	5407.96
3099	7297.33	5408.78
3100	7371.14	5816.07
3101	7386.40	5812.52
3102	7371.58	5805.64
3103	7359.14	5809.51
3104	7333.34	5807.98
3105	7450.08	5866.45
3106	7462.67	5871.77
3107	7422.97	5873.78
3108	7436.94	5870.21
3109	7398.24	5863.99
3110	7410.55	5868.58
3111	7368.54	5870.85
3112	7383.17	5867.22
3113	6742.98	4127.61
3114	6865.80	4126.62
3115	6867.36	4086.49
3116	7002.78	4053.55
3117	6945.47	4182.81
3118	6835.31	4280.26
3119	6851.62	4290.19
3120	7156.21	4406.09
3121	7253.50	5665.63
3122	7314.14	5639.56
3123	7300.81	5639.28
3124	7344.89	5629.17
3125	7407.89	5608.12
3126	7477.10	5637.70
3127	7512.85	5666.92
3128	7515.01	5613.65
3129	7529.77	5610.22
3130	7552.64	5663.37
3131	7579.58	5664.11
3132	7592.69	5667.91
3133	7578.73	5611.50
3134	7674.73	5634.16
3135	7688.04	5616.36
3136	7736.41	5626.12
3137	7714.51	5589.89
3138	7738.38	5684.20
3139	7214.65	5535.52
3140	7451.36	5551.66
3141	7454.89	5472.93
3142	7442.85	5460.27
3143	7456.08	5446.69
3144	7474.33	5527.91
3145	7532.07	5530.46
3146	7598.44	5531.86
3147	7698.49	5549.64
3148	7703.39	5530.78
3149	7684.34	5548.28
3150	7210.32	4528.39
3152	7209.15	4471.45
3153	7253.70	4660.68
3154	7290.54	4716.58
3155	7070.31	4626.43
3156	7109.02	4681.40
3157	7144.29	4682.71
3158	7084.52	4681.59
3159	7064.28	4699.47
3160	7045.11	4553.40
3161	7019.87	4576.18
3162	7004.58	4595.66
3163	7032.04	4561.45
3164	6930.52	4690.57

3165	6949.47	4607.50
3166	6909.87	4591.05
3167	6910.49	4560.63
3168	6856.50	4588.39
3169	6715.23	4716.49
3170	6778.76	4450.21
3171	6884.90	4508.47
3172	6885.52	4452.60
3173	6954.34	4453.29
3174	7453.00	5394.02
3175	7444.78	5398.82
3176	7045.71	5239.91
3177	7101.25	5238.74
3178	7152.12	5234.81
3179	7192.66	5374.75
3180	7461.06	5287.20
3181	7488.16	5287.64
3182	7492.15	5307.59
3183	7446.39	5313.59
3184	7431.88	5330.44
3185	7515.42	5288.40
3186	7656.82	5350.66
3187	7825.98	5278.41
3188	7349.87	5079.26
3189	7357.10	5082.54
3190	7397.32	5061.50
3191	7325.43	5029.81
3192	7352.70	5030.91
3193	7340.09	5019.37
3194	7338.61	5040.26
3195	7305.26	5038.39
3196	7306.60	5018.07
3197	7298.98	5028.33
3198	7337.46	5069.74
3199	7303.70	5068.19
3200	7212.19	4377.59
3201	7209.59	4492.90
3202	6852.21	4910.42
3203	7443.66	5738.07
3204	7660.00	5651.27
3205	7670.04	5639.37
3206	7745.75	5792.37
3207	7746.55	5778.53
3208	7732.66	5777.38
3209	7726.94	5776.93
3210	7707.58	5775.61
3211	7693.41	5776.68
3212	7667.72	5775.63
3213	7627.22	5773.65
3214	7235.28	4494.30
3215	7863.51	5934.33
3216	7853.21	5907.01
3217	7829.35	5897.69
3218	7613.70	5772.87
3219	7591.83	5772.36
3220	7592.76	5664.61
3221	7062.05	5661.53
3222	7527.95	5900.91
3223	7445.47	5330.96
3224	7165.70	5232.87
3225	7090.61	5237.60
3226	7028.53	5238.31
3227	7029.55	5215.00
3228	7453.49	5718.80
3229	7448.88	5710.95
3230	7453.08	5701.50

3231	7444.49	5725.00
3232	7147.61	4735.46
3234	7100.30	5055.21
3235	7124.68	5056.35
3237	7226.77	5117.64
3238	6814.22	4880.30
3239	7208.19	5849.40
3240	7165.03	5741.95
3241	7164.11	5741.93
3242	7184.37	5795.76
3243	7177.35	5822.21
3244	6864.62	4160.50
3245	6876.24	4052.13
3246	7010.98	4786.26
3247	7329.26	4957.65
3248	7318.38	4957.08
3249	7276.51	4946.28
3250	7273.08	4999.76
3251	7271.52	5025.78
3252	7322.88	5079.10
3253	7296.20	5080.48
3254	7320.45	5125.55
3255	7295.16	5098.67
3256	7348.64	5102.48
3257	7330.17	5170.92
3258	7345.30	5159.80
3259	7306.36	5145.92
3260	7304.83	5169.87
3261	7246.85	5157.60
3262	7279.33	5226.48
3263	7283.31	5168.85
3264	7245.01	5183.42
3265	7225.02	5166.41
3266	7211.97	5155.59
3267	7200.24	5196.20
3268	7185.99	5155.93
3269	7186.14	5126.98
3270	7200.27	5116.69
3271	7132.48	5153.91
3272	7159.15	5164.87
3273	7160.26	5115.10
3274	7133.40	5127.17
3275	7107.93	5127.56
3276	7119.73	5140.54
3277	7120.87	5113.52
3278	7106.91	5153.53
3279	7093.99	5139.47
3280	7092.51	5164.50
3281	7056.28	5111.15
3282	7080.94	5125.84
3283	7028.96	5100.75
3284	7041.61	5110.70
3285	7093.99	5112.32
3286	7081.23	5099.09
3287	7108.24	5100.20
3288	7055.56	5055.55
3289	7082.61	5071.63
3290	7112.62	5035.77
3291	7109.54	5070.90
3292	7163.18	5056.03
3293	7137.49	5042.35
3294	7189.67	5044.35
3295	7203.57	5056.80
3296	7215.45	5073.63
3297	7036.55	4925.87
3298	7035.55	4959.38

3299	7031.50	4930.73
3300	7140.76	4911.48
3301	7139.66	4859.54
3302	6976.65	4850.63
3303	7007.38	4889.07
3304	6903.55	4871.31
3305	6882.53	4858.68
3306	6904.85	4901.84
3307	7237.91	4768.23
3308	7171.01	4754.84
3309	7179.23	4735.37
3310	7191.40	4735.46
3311	7198.48	4725.72
3312	7225.52	4736.19
3313	7271.24	4736.87
3314	7253.20	4726.30
3315	7305.69	4736.90
3316	7285.25	4745.68
3317	7351.28	4792.75
3318	7299.07	4887.59
3319	7300.02	4863.98
3320	7301.34	4838.16
3321	7239.81	4848.82
3322	7234.30	4821.95
3323	7010.06	5079.46
3324	7004.24	5050.56
3325	6950.24	5047.62
3326	6939.11	5019.46
3327	6964.23	5020.24
3328	6947.62	5099.81
3329	6936.83	5072.98
3330	6933.75	5125.38
3331	7000.92	5105.10
3332	6988.62	5075.86
3333	6925.17	5159.37
3334	6924.80	5192.98
3335	6919.69	5142.98
3336	6945.13	5143.17
3337	6944.63	5176.84
3338	6892.83	5123.97
3339	6905.31	5184.76
3340	7394.98	5000.32
3341	7405.60	5030.70
3342	7544.69	5184.60
3343	7518.56	5184.24
3344	7492.41	5183.42
3345	7465.46	5183.04
3346	7437.01	5133.40
3347	7397.78	5164.13
3348	7627.19	5822.10
3349	7650.53	5840.42
3350	7662.56	5852.09
3351	7679.06	5875.71
3352	7708.25	5899.17
3353	7731.05	5917.44
3354	7737.44	5932.63
3355	7737.44	5927.65
3356	7738.43	5932.26
3357	7735.89	5930.19
3358	7737.00	5957.95
3359	7736.28	5927.81
3360	7665.32	5848.60
3361	7665.07	5853.93
3362	7664.87	5851.42
3363	7661.52	5852.27
3364	7663.79	5853.85

3365	7592.68	5760.98
3366	7595.73	5743.02
3367	7596.69	5719.38
3368	7597.59	5699.66
3369	7594.86	5742.83
3370	7594.56	5746.19
3371	7595.36	5746.36
3372	7596.48	5745.27
3373	7598.01	5689.31
3374	7598.91	5697.52
3375	7599.20	5691.73
3376	7596.70	5699.74
3377	7597.01	5689.35
3378	7598.83	5662.14
3379	7599.18	5656.68
3380	7600.56	5659.70
3381	7598.26	5656.68
3382	7598.02	5662.09
3383	7599.99	5638.83
3384	7599.13	5638.57
3385	7600.94	5612.65
3386	7601.90	5587.63
3387	7602.12	5583.52
3388	7603.20	5585.80
3389	7601.15	5587.63
3390	7601.32	5583.47
3391	7603.08	5561.88
3392	7603.28	5556.89
3393	7604.50	5559.51
3394	7602.45	5556.80
3395	7602.20	5562.01
3396	7605.60	5515.61
3397	7606.71	5503.45
3398	7607.54	5512.98
3399	7608.15	5506.05
3400	7605.81	5503.35
3401	7604.70	5515.56
3402	7611.97	5455.07
3403	7609.57	5430.19
3404	7611.97	5450.13
3405	7613.87	5452.64
3406	7611.04	5449.98
3407	7611.09	5454.98
3408	7611.14	5395.33
3409	7467.44	5379.82
3410	7440.46	5370.08
3411	7496.55	5381.06
3412	7501.75	5381.05
3413	7498.82	5382.65
3414	7496.41	5380.31
3415	7501.91	5380.32
3416	7498.98	5377.87
3418	7493.38	5380.21
3419	7522.74	5380.16
3420	7522.64	5379.51
3421	7527.56	5380.22
3423	7525.18	5381.29
3424	7527.56	5379.46
3425	7560.92	5380.81
3426	7551.89	5381.73
3427	7561.23	5380.22
3428	7551.98	5378.88
3430	7593.88	5381.55
3431	7575.13	5380.44
3432	7593.95	5380.59
3433	7624.94	5379.31

3434	7610.14	5395.05
3435	7623.33	5380.44
3436	7640.52	5378.67
3437	7667.74	5377.92
3438	7640.53	5377.74
3439	7667.87	5377.09
3440	7645.78	5380.36
3441	7613.19	5359.85
3442	7619.45	5382.55
3443	7613.54	5390.39
3444	7614.60	5369.97
3445	7618.20	5377.81
3446	7608.27	5389.86
3447	7602.15	5383.22
3448	7601.31	5378.09
3449	7609.19	5369.77
3450	7609.33	5382.34
3451	7613.40	5378.43
3452	7609.83	5378.35
3453	7612.98	5381.95
3454	7616.54	5302.75
3455	7615.71	5320.55
3456	7692.65	5376.49
3457	7705.98	5375.45
3458	7669.24	5380.09
3459	7668.89	5374.50
3460	7632.32	5374.90
3461	7629.39	5271.89
3462	7617.63	5293.94
3463	7605.28	5295.05
3464	7627.17	5296.02
3465	7620.38	5290.28
3466	7624.16	5294.46
3467	7616.41	5297.75
3468	7620.29	5294.46
3469	7622.31	5297.17
3470	7618.57	5299.24
3471	7614.22	5294.87
3472	7616.94	5290.53
3473	7612.33	5293.66
3474	7620.02	5295.74
3475	7618.35	5294.38
3476	7616.28	5296.11
3477	7615.14	5299.24
3478	7611.93	5296.50
3479	7614.78	5296.20
3480	7630.37	5270.17
3481	7618.69	5290.13
3482	7619.43	5286.95
3483	7618.57	5287.35
3484	7629.29	5273.02
3485	7621.96	5284.51
3486	7627.94	5274.35
3487	7622.89	5284.05
3488	7649.77	5284.85
3489	7583.45	5285.00
3490	7583.45	5284.47
3491	7580.35	5283.09
3492	7579.37	5280.93
3493	7556.67	5273.65
3494	7581.24	5285.61
3495	7551.58	5272.41
3496	7556.97	5272.88
3497	7551.50	5273.12
3498	7555.61	5275.46
3499	7557.23	5275.50

3500	7558.90	5272.95
3501	7533.85	5272.02
3502	7505.68	5280.85
3503	7496.87	5280.08
3504	7505.68	5279.95
3505	7496.74	5280.94
3506	7498.45	5278.60
3507	7499.64	5280.20
3508	7498.75	5282.46
3509	7501.28	5282.58
3510	7499.69	5281.10
3511	7503.97	5278.64
3512	7502.98	5280.29
3513	7503.67	5282.43
3514	7503.06	5281.19
3515	7481.69	5279.95
3516	7451.38	5285.43
3517	7449.84	5287.23
3518	7451.28	5284.71
3519	7438.31	5285.75
3520	7426.29	5284.10
3521	7410.85	5276.48
3522	7420.99	5274.87
3523	7415.53	5281.72
3524	7401.57	5272.42
3525	7417.09	5277.29
3526	7422.77	5288.94
3527	7412.35	5278.76
3528	7417.24	5281.31
3529	7420.61	5287.46
3530	7421.89	5287.57
3531	7421.92	5282.41
3532	7420.71	5282.70
3533	7420.89	5278.83
3534	7417.57	5279.97
3535	7426.46	5282.89
3536	7421.92	5279.25
3537	7423.79	5281.59
3538	7419.04	5278.34
3539	7414.83	5279.15
3540	7423.51	5284.91
3541	7420.06	5283.31
3542	7422.55	5284.97
3543	7390.78	5272.48
3544	7356.09	5280.02
3545	7368.34	5278.95
3546	7288.96	5271.70
3547	7337.55	5280.38
3548	7265.71	5264.15
3549	7085.68	5262.13
3550	7086.12	5259.71
3551	7074.54	5265.17
3552	7063.92	5261.39
3553	7063.48	5258.75
3554	7070.12	5258.97
3556	7070.12	5261.61
3557	7631.27	5264.93
3558	7631.81	5250.49
3559	7629.61	5220.40
3560	7629.42	5210.61
3561	7631.94	5198.28
3562	7630.88	5208.55
3563	7632.95	5211.56
3564	7630.20	5211.68
3565	7631.42	5211.06
3566	7629.35	5180.42

3567	7619.34	5170.88
3568	7604.68	5158.85
3569	7604.81	5157.32
3570	7601.45	5158.28
3571	7614.15	5168.74
3572	7611.40	5166.70
3573	7255.84	5262.38
3574	7266.25	5263.28
3575	7263.34	5260.44
3576	7262.51	5262.58
3577	7263.63	5261.79
3578	7261.43	5265.39
3579	7262.79	5265.49
3580	7262.65	5263.60
3581	7263.29	5264.59
3582	7652.95	5284.16
3583	7665.11	5284.49
3584	7232.30	5229.89
3585	7233.36	5229.82
3586	7230.35	5227.68
3587	7235.33	5227.65
3588	7234.05	5214.40
3589	7232.37	5227.52
3590	7233.48	5227.23
3591	7231.49	5228.14
3592	7234.19	5227.97
3593	7235.12	5201.88
3594	7234.17	5202.11
3595	7234.38	5189.25
3596	7232.14	5199.57
3597	7232.08	5193.92
3598	7236.56	5197.04
3599	7236.47	5198.99
3600	7236.56	5195.10
3601	7234.03	5199.31
3602	7234.94	5198.73
3603	7233.76	5194.09
3604	7234.73	5195.24
3605	7240.39	5137.93
3606	7237.52	5151.97
3607	7243.54	5145.18
3608	7244.03	5141.44
3609	7239.88	5142.31
3610	7235.04	5149.57
3611	7237.84	5147.77
3612	7242.57	5099.03
3613	7240.63	5098.60
3614	7245.77	5024.38
3615	7246.87	5046.07
3616	7251.03	5035.05
3617	7248.16	5024.46
3618	7236.41	5044.56
3619	7248.75	5055.25
3620	7245.60	5064.68
3621	7243.01	5065.78
3622	7247.49	5083.49
3623	7243.80	5084.29
3624	7245.94	5059.75
3625	7248.68	5066.07
3626	7241.83	5051.58
3627	7240.52	5068.08
3628	7243.31	5059.86
3629	7198.53	4999.21
3630	7249.20	4988.23
3631	7247.81	4988.76
3632	7248.31	4974.37

3633	7249.90	4974.96
3634	7252.59	4981.31
3635	7251.62	4934.54
3636	7250.35	4934.62
3637	7253.26	4928.83
3638	7252.24	4920.90
3639	7248.28	4925.16
3640	7250.59	4925.23
3641	7162.54	4954.23
3642	7164.94	4954.35
3643	7189.86	4950.11
3644	7201.26	4950.61
3645	7189.86	4948.64
3646	7201.53	4949.19
3647	7168.62	4949.43
3648	7195.60	4952.01
3649	7157.07	4944.35
3650	7135.84	4918.71
3651	7148.08	4931.41
3652	7155.16	4948.09
3653	7146.37	4937.32
3654	7098.04	4873.31
3655	7099.60	4872.21
3656	7086.32	4857.22
3657	7100.34	4865.70
3658	7085.86	4865.00
3659	7095.69	4861.73
3660	7092.66	4864.37
3661	7090.23	4864.77
3662	7268.13	4953.33
3663	7268.22	4952.04
3664	7279.42	4952.29
3665	7279.17	4951.01
3666	7293.00	4942.61
3667	7223.83	5366.77
3668	7239.75	5366.86
3669	7230.61	5381.58
3670	7230.97	5357.16
3671	7232.71	5357.05
3672	7232.25	5381.58
3673	7238.91	5368.92
3674	7223.47	5368.92
3675	7232.85	5288.56
3676	7232.42	5372.77
3677	7234.76	5368.96
3678	7234.93	5366.85
3679	7228.17	5368.90
3680	7228.11	5366.79
3681	7230.72	5372.89
3682	7230.78	5363.89
3683	7232.45	5363.95
3684	7228.53	5371.40
3685	7234.58	5371.34
3686	7234.64	5364.86
3687	7228.65	5364.80
3688	7229.50	5423.14
3689	7229.05	5435.71
3690	7231.30	5423.42
3691	7235.54	5428.75
3692	7230.64	5435.26
3693	7229.12	5474.56
3694	7227.80	5474.37
3695	7227.33	5489.02
3696	7228.93	5488.57
3697	7231.86	5480.95
3698	7227.94	5514.44

3699	7231.58	5517.97
3700	7231.51	5521.76
3701	7226.97	5537.15
3702	7225.76	5519.06
3703	7224.78	5546.74
3704	7221.78	5540.96
3705	7221.71	5523.68
3706	7231.32	5525.57
3707	7230.85	5530.45
3708	7225.10	5538.33
3709	7227.25	5531.37
3710	7227.82	5519.50
3711	7225.68	5523.30
3712	7223.82	5568.28
3713	7223.18	5582.48
3714	7225.48	5568.28
3715	7228.10	5575.40
3716	7224.91	5582.38
3717	7222.86	5629.88
3718	7221.12	5627.70
3719	7220.38	5646.71
3720	7220.98	5679.82
3721	7227.24	5638.22
3722	7227.48	5633.52
3723	7222.67	5634.89
3724	7207.58	5690.74
3725	7218.94	5680.01
3726	7208.21	5692.54
3727	7157.29	5693.00
3728	7140.92	5701.32
3729	7136.30	5726.97
3730	7218.84	5700.15
3731	7229.64	5688.51
3733	7218.30	5734.90
3735	7221.10	5741.35
3736	7220.10	5737.91
3740	7219.10	5682.24
3747	7220.69	5682.96
3751	7217.12	5690.04
3753	7216.88	5734.70
3754	7215.46	5767.69
3755	7214.25	5739.08
3756	7216.54	5740.16
3757	7222.33	5778.17
3758	7129.54	5893.02
3759	7130.54	5861.94
3760	7129.13	5832.61
3761	7131.95	5833.66
3762	7141.49	5848.14
3763	7124.71	5853.70
3764	7128.27	5853.20
3765	7132.01	5704.99
3766	7140.50	5716.44
3767	7138.14	5690.98
3768	7151.17	5696.11
3972	7619.91	5155.35
3973	7681.47	5298.57
3974	7801.65	5657.66
3976	7536.41	5271.56
3977	7532.57	5959.04
3978	7532.32	5961.91
3979	7572.47	5828.40
3980	7085.17	4859.23
3981	7021.59	5694.35
3982	7015.96	5208.71
3983	7008.84	5197.54

3984	7007.35	5193.31
3985	7016.61	5177.23
3986	7019.94	5193.57
3987	7019.33	5197.76
3988	7023.55	5096.02
3989	7007.84	4917.75
3990	7008.98	4913.57
3991	7013.94	4902.13
3992	7018.41	4914.29
3993	7019.39	4917.99
3994	7016.97	4933.16
4001	7308.17	5442.60
4002	7308.44	5429.48
4003	7309.39	5409.03
4004	7329.84	5409.98
4006	7335.49	5441.59
4007	7335.56	5437.92
4008	7349.13	5441.88
4009	7349.37	5430.33
4010	7349.79	5410.40
4011	7361.72	5442.14
4012	7361.97	5430.07
4013	7362.19	5419.57
4014	7361.28	5412.74
4015	7362.35	5411.70
4016	7365.02	5409.66
4017	7367.07	5462.72
4018	7368.01	5442.80
4019	7368.79	5430.21
4020	7366.45	5416.52
4021	7369.07	5416.58
4022	7369.13	5413.95
4023	7371.91	5406.14
4024	7375.88	5442.96
4026	7379.87	5416.86
4027	7387.51	5464.20
4028	7387.93	5443.73
4029	7388.70	5432.21
4030	7389.01	5417.51
4031	7389.80	5404.40
4032	7401.58	5444.02
4033	7402.66	5417.28
4034	7414.37	5459.51
4036	7415.21	5444.83
4037	7415.47	5432.24
4038	7416.28	5418.08
4039	7428.84	5445.11
4040	7429.91	5418.89
4041	7443.23	5446.39
4042	7444.29	5420.03
4043	7457.72	5419.99
4044	7467.36	5461.13
4046	7468.17	5446.98
4047	7470.55	5433.91
4048	7470.82	5420.79
4049	7483.91	5447.31
4050	7483.94	5421.07
4051	7495.16	5461.71
4052	7495.46	5447.55
4053	7496.77	5434.98
4054	7497.04	5421.87
4056	7510.67	5447.87
4057	7511.20	5422.16
4058	7520.81	5464.87
4059	7521.68	5448.62
4060	7522.99	5436.05

4061	7523.79	5422.42
4062	7537.41	5449.47
4063	7537.43	5423.22
4064	7548.12	5464.39
4066	7548.95	5449.71
4067	7549.73	5437.13
4068	7550.02	5423.49
4069	7563.64	5450.01
4070	7563.13	5423.76
4071	7574.89	5464.43
4072	7575.69	5450.79
4073	7575.82	5444.50
4074	7576.50	5437.16
4076	7576.63	5430.87
4077	7577.29	5424.58
4078	7590.38	5451.63
4079	7590.41	5424.85
4080	7601.62	5466.04
4081	7602.43	5452.40
4082	7602.58	5445.06
4083	7603.38	5431.95
4084	7604.05	5425.14
4086	7609.31	5452.53
4087	7608.67	5429.96
4088	7625.51	5452.88
4089	7628.53	5459.24
4090	7629.19	5452.96
4091	7626.07	5426.12
4092	7629.49	5438.79
4093	7630.27	5426.21
4096	7642.31	5453.23
4097	7642.60	5439.06
4098	7643.39	5426.48
4099	7653.35	5427.22
4100	7655.64	5468.20
4102	7656.47	5454.06
4103	7656.77	5439.36
4104	7657.02	5427.30
4106	7663.28	5454.20
4107	7664.37	5427.45
4108	7682.57	5473.52
4109	7681.65	5454.58
4110	7676.20	5435.91
4111	7673.41	5427.50
4112	6699.29	5392.65
4113	6916.01	5369.87
4114	6969.01	5370.98
4115	7018.85	5372.01
4116	7010.78	5381.29
4120	7072.90	5373.14
4121	7100.17	5373.71
4122	7123.63	5394.58
4123	7124.31	5374.21
4124	7139.48	5374.83
4126	7165.77	5374.55
4127	7177.16	5407.33
4128	7177.84	5374.80
4129	7199.88	5374.73
4132	7216.82	5368.26
4134	7245.16	5368.33
4135	7217.16	5353.81
4136	7256.77	5390.09
4137	7257.76	5368.06
4138	7284.07	5390.13
4139	7284.51	5369.15
4141	7290.81	5369.28

4142	7290.98	5360.88
4143	7309.78	5390.67
4144	7311.25	5370.76
4146	7310.92	5361.30
4147	7336.77	5380.21
4148	7336.91	5373.39
4149	7337.13	5362.90
4150	7354.67	5402.63
4151	7352.88	5362.70
4152	7376.48	5363.71
4153	7389.97	5396.53
4154	7390.08	5391.29
4156	7390.87	5378.18
4157	7391.15	5364.55
4158	7397.15	5390.63
4159	7404.26	5390.54
4160	7404.49	5379.52
4161	7405.31	5365.36
4162	7416.54	5405.49
4163	7416.80	5393.42
4164	7417.51	5384.51
4166	7426.77	5393.63
4167	7444.90	5393.76
4168	7446.75	5366.75
4170	7466.12	5394.45
4171	7467.48	5379.26
4172	7466.69	5367.16
4173	7471.75	5400.86
4174	7471.88	5394.57
4176	7472.87	5372.54
4177	7472.98	5367.30
4178	7485.00	5394.84
4179	7481.26	5367.71
4180	7497.83	5408.76
4181	7497.98	5401.93
4182	7498.12	5395.12
4183	7498.98	5378.87
4184	7499.12	5373.48
4186	7499.20	5368.37
4187	7511.75	5395.93
4188	7512.32	5368.64
4189	7524.06	5409.82
4190	7524.72	5403.02
4191	7524.87	5396.20
4192	7525.04	5387.80
4193	7525.22	5378.34
4194	7525.28	5376.26
4196	7525.95	5369.45
4197	7538.51	5396.49
4198	7539.07	5369.73
4199	7550.15	5417.20
4200	7550.96	5403.56
4201	7551.10	5396.75
4202	7553.18	5379.97
4203	7552.03	5377.34
4204	7552.17	5370.53
4206	7558.99	5370.67
4207	7564.21	5397.54
4208	7565.82	5370.81
4209	7572.63	5370.95
4210	7577.42	5418.29
4211	7577.72	5404.12
4212	7577.85	5397.82
4213	7579.15	5379.19
4214	7578.83	5375.80
4216	7579.46	5371.09

4217	7586.28	5371.24
4218	7592.05	5371.36
4219	7592.02	5398.12
4220	7604.17	5419.37
4221	7604.99	5405.22
4222	7605.14	5398.39
4223	7605.91	5385.81
4224	7606.74	5371.66
4226	7612.14	5359.97
4227	7625.09	5372.56
4228	7627.17	5398.85
4229	7630.56	5412.57
4230	7631.36	5399.46
4231	7631.58	5388.97
4232	7632.43	5372.71
4233	7639.25	5373.38
4234	7643.67	5412.84
4236	7645.00	5399.22
4237	7645.21	5389.25
4238	7646.06	5375.91
4239	7646.06	5373.52
4240	7654.98	5399.43
4241	7658.12	5399.49
4242	7658.21	5395.30
4243	7659.19	5373.27
4244	7672.00	5413.43
4246	7669.13	5400.25
4247	7666.74	5388.66
4248	7666.06	5380.58
4249	7665.48	5373.93
4250	7693.26	5375.56
4251	7004.74	5318.70
4252	7046.70	5320.10
4253	7073.40	5349.00
4254	7073.99	5320.67
4255	7019.42	5319.54
4256	7074.72	5310.27
4257	7074.72	5300.25
4258	7101.79	5321.25
4259	7125.85	5350.62
4261	7126.97	5321.78
4262	7127.56	5293.45
4263	7164.23	5322.55
4264	7178.38	5349.09
4265	7200.42	5349.02
4266	7179.98	5322.35
4267	7180.23	5310.29
4268	7207.79	5322.93
4270	7200.96	5322.79
4271	7241.38	5323.10
4272	7258.72	5347.09
4273	7259.22	5322.95
4274	7259.51	5309.32
4275	7217.76	5323.14
4276	7260.26	5298.31
4277	7260.87	5294.64
4278	7285.37	5352.89
4279	7285.55	5344.49
4281	7285.97	5324.03
4282	7286.82	5308.83
4283	7287.62	5295.20
4284	7311.07	5353.95
4286	7337.29	5355.03
4288	7404.76	5316.54
4289	7419.28	5349.90
4290	7419.70	5329.97

4291	7419.98	5316.33
4292	7434.66	5317.16
4297	7446.20	5317.40
4299	7455.51	5349.09
4300	7459.88	5331.95
4302	7465.29	5333.02
4303	7466.19	5340.38
4304	7469.05	5329.43
4306	7469.94	5337.32
4307	7473.78	5354.19
4308	7474.31	5349.22
4309	7473.01	5340.52
4310	7474.08	5314.30
4311	7483.01	5314.49
4312	7486.98	5341.17
4313	7499.48	5355.25
4314	7499.67	5345.81
4316	7499.76	5341.61
4317	7499.91	5334.27
4318	7499.59	5324.29
4319	7499.79	5314.84
4320	7513.40	5341.89
4321	7513.96	5315.13
4322	7526.75	5356.35
4323	7527.05	5342.18
4324	7527.19	5335.36
4326	7527.41	5324.87
4327	7527.59	5315.94
4328	7540.80	5316.21
4329	7540.15	5342.98
4330	7552.96	5357.94
4331	7553.18	5347.44
4332	7553.78	5343.79
4333	7553.95	5335.92
4334	7554.17	5325.42
4336	7554.35	5316.50
4337	7560.00	5347.59
4338	7560.07	5343.92
4339	7560.63	5317.16
4340	7566.08	5358.21
4341	7566.30	5347.72
4342	7566.91	5343.53
4343	7567.05	5336.72
4344	7566.76	5325.69
4346	7567.46	5317.30
4347	7573.64	5347.87
4348	7573.72	5344.20
4349	7574.27	5317.44
4350	7579.72	5358.49
4351	7579.94	5348.00
4352	7580.02	5344.33
4353	7580.17	5336.99
4354	7580.40	5325.97
4356	7580.56	5318.10
4357	7586.75	5348.67
4358	7586.83	5344.48
4359	7587.38	5318.24
4360	7592.83	5359.29
4361	7593.06	5348.27
4362	7593.13	5344.61
4363	7593.29	5337.26
4364	7593.52	5326.24
4366	7593.68	5318.37
4367	7600.47	5345.29
4368	7600.50	5318.52
4369	7606.99	5359.59

4370	7607.22	5348.57
4371	7607.29	5344.90
4372	7607.50	5334.94
4373	7607.15	5326.53
4374	7607.31	5318.66
4376	7622.95	5349.42
4377	7622.54	5318.97
4378	7629.35	5319.12
4379	7632.68	5360.65
4380	7633.44	5349.64
4381	7633.64	5340.20
4382	7633.33	5329.70
4383	7633.56	5318.68
4384	7637.23	5318.75
4386	7640.27	5349.78
4387	7646.32	5361.46
4388	7646.54	5350.44
4389	7646.75	5340.47
4390	7646.97	5329.98
4391	7646.67	5318.95
4392	7660.19	5350.73
4393	7660.36	5342.33
4394	7659.78	5319.75
4396	7665.21	5361.85
4397	7665.43	5350.83
4398	7666.29	5330.92
4399	7666.62	5319.37
4400	7005.77	5269.39
4401	6917.08	5268.58
4402	6967.98	5269.13
4403	7013.49	5251.18
4406	7048.21	5272.90
4407	7075.49	5271.85
4408	7073.84	5254.97
4409	7089.58	5266.12
4412	7128.65	5268.86
4414	7179.00	5280.82
4416	7242.70	5284.82
4419	7255.03	5272.48
4422	7261.33	5272.61
4423	7261.42	5266.61
4426	7287.93	5279.99
4427	7288.66	5270.56
4428	7309.97	5280.44
4431	7368.02	5277.82
4432	7373.06	5284.13
4433	7396.00	5277.38
4434	7390.90	5271.47
4436	7401.70	5271.47
4437	7402.80	5276.56
4439	7412.95	5300.96
4440	7413.62	5284.46
4441	7420.28	5302.17
4442	7420.49	5293.06
4443	7420.63	5285.37
4444	7422.93	5282.25
4446	7438.39	5285.05
4448	7447.11	5299.05
4450	7447.53	5283.90
4451	7474.38	5300.14
4452	7481.64	5279.30
4453	7500.60	5301.22
4454	7500.87	5288.10
4456	7501.57	5278.64
4457	7514.13	5306.75
4458	7527.78	5307.03

4459	7527.93	5299.68
4460	7528.16	5288.67
4461	7528.96	5275.56
4462	7533.16	5271.52
4463	7542.24	5292.63
4464	7554.61	5303.91
4466	7554.89	5290.79
4467	7554.91	5289.74
4468	7555.52	5277.26
4469	7555.39	5271.73
4471	7567.73	5304.18
4472	7568.00	5291.07
4473	7568.67	5283.74
4474	7574.82	5291.21
4476	7575.62	5278.10
4477	7580.85	5304.46
4478	7581.12	5291.34
4479	7581.34	5280.96
4480	7581.39	5278.22
4481	7588.99	5291.50
4482	7590.83	5278.42
4483	7593.95	5305.26
4484	7594.24	5291.61
4486	7594.42	5282.69
4487	7598.70	5278.58
4488	7601.92	5275.50
4489	7605.19	5294.47
4490	7608.15	5303.97
4491	7608.93	5291.39
4492	7609.02	5287.20
4493	7609.20	5278.80
4494	7609.27	5275.13
4496	7611.82	5304.05
4497	7614.97	5278.92
4499	7615.85	5302.80
4500	7616.85	5293.86
4502	7621.28	5282.48
4503	7621.38	5284.14
4506	7620.74	5279.04
4507	7620.82	5275.37
4508	7621.26	5304.25
4509	7627.22	5295.45
4511	7630.70	5304.97
4512	7630.96	5292.38
4513	7631.15	5283.46
4514	7631.75	5279.27
4516	7631.82	5276.12
4517	7635.88	5308.23
4518	7635.96	5304.55
4519	7636.21	5292.49
4520	7636.40	5283.56
4521	7637.53	5279.39
4522	7637.59	5276.24
4523	7638.51	5308.28
4524	7638.58	5304.61
4526	7638.83	5292.54
4527	7640.15	5279.45
4528	7640.22	5276.30
4529	7644.35	5279.54
4530	7644.42	5276.39
4531	7648.02	5304.80
4532	7648.19	5296.93
4533	7648.80	5292.75
4534	7650.46	5288.59
4536	7649.50	5284.36
4537	7650.64	5279.67

4538	7650.71	5276.52
4539	7652.66	5283.39
4540	7655.89	5304.97
4541	7655.92	5303.40
4542	7656.06	5297.10
4543	7655.62	5292.89
4544	7655.73	5287.65
4546	7655.84	5284.93
4547	7656.34	5283.46
4548	7655.88	5280.30
4549	7655.96	5276.63
4550	7658.52	5305.02
4551	7658.68	5297.15
4552	7661.14	5305.08
4553	7661.17	5303.51
4554	7661.30	5297.21
4556	7661.39	5293.01
4557	7661.50	5287.77
4558	7661.55	5285.00
4559	7661.61	5282.52
4560	7661.65	5280.42
4561	7661.73	5276.75
4562	7662.96	5293.05
4563	7663.07	5287.80
4564	7666.94	5303.63
4566	7666.55	5297.32
4567	7666.65	5292.60
4568	7666.75	5287.88
4569	7666.42	5285.21
4570	7665.29	5283.70
4571	7665.80	5282.61
4572	7664.80	5280.49
4573	7664.88	5276.81
4574	7670.32	5292.67
4576	7670.42	5287.95
4577	7670.55	5285.09
4578	7673.37	5297.46
4579	7673.87	5298.52
4580	7675.67	5288.06
4581	7006.42	5212.71
4582	7053.56	5217.37
4583	7072.99	5242.45
4584	7075.06	5218.87
4586	7103.90	5219.99
4587	7129.07	5246.24
4588	7130.65	5221.07
4589	7157.40	5222.15
4591	7174.18	5222.50
4592	7182.57	5248.40
4593	7182.80	5237.38
4594	7183.62	5223.23
4596	7209.33	5248.95
4597	7209.84	5224.30
4598	7222.96	5249.24
4599	7223.75	5236.66
4601	7224.00	5224.59
4602	7245.52	5225.04
4603	7262.29	5226.44
4604	7268.10	5226.47
4606	7288.83	5236.96
4607	7289.58	5226.48
4608	7302.68	5227.28
4609	7317.89	5253.31
4611	7315.80	5227.55
4612	7327.49	5228.28
4613	7341.76	5241.21

4614	7342.01	5229.15
4616	7349.88	5229.31
4617	7371.85	5255.46
4618	7363.00	5229.59
4619	7376.64	5229.87
4621	7381.88	5255.70
4622	7382.64	5244.16
4623	7382.93	5230.53
4624	7402.67	5265.57
4626	7402.34	5256.12
4627	7403.39	5230.95
4628	7412.30	5256.33
4629	7420.91	5271.73
4630	7421.76	5256.00
4631	7421.98	5245.51
4632	7422.76	5232.93
4633	7436.39	5233.74
4634	7435.34	5258.91
4636	7444.79	5259.11
4637	7448.16	5273.35
4638	7448.46	5259.18
4639	7449.15	5251.32
4640	7449.25	5246.60
4641	7450.04	5234.02
4642	7462.10	5234.28
4643	7462.09	5259.99
4644	7475.45	5273.92
4646	7475.72	5260.80
4647	7476.52	5247.70
4648	7476.79	5235.11
4649	7490.43	5235.39
4650	7489.37	5261.09
4651	7501.67	5274.99
4652	7501.96	5261.35
4653	7502.75	5248.77
4654	7503.54	5236.18
4656	7517.16	5236.99
4657	7515.06	5262.15
4658	7528.71	5262.43
4659	7529.50	5249.84
4660	7530.29	5236.74
4661	7542.87	5237.53
4662	7541.81	5263.22
4663	7555.46	5263.51
4664	7556.23	5250.93
4666	7557.03	5237.82
4667	7570.15	5238.10
4668	7570.95	5264.19
4669	7581.68	5264.58
4670	7581.94	5251.99
4671	7582.70	5240.46
4672	7593.19	5240.67
4673	7592.69	5264.81
4676	7609.42	5268.31
4677	7609.48	5265.16
4678	7609.56	5261.49
4679	7609.62	5258.34
4680	7605.41	5252.71
4681	7605.65	5247.76
4682	7605.79	5240.94
4683	7616.29	5240.64
4684	7611.76	5256.29
4686	7619.67	5254.87
4687	7620.96	5268.55
4688	7621.10	5261.73
4689	7621.17	5258.58

4690	7621.25	5254.91
4691	7622.38	5250.74
4692	7623.41	5251.80
4693	7625.08	5247.11
4694	7626.63	5248.20
4696	7627.24	5244.01
4697	7629.41	5240.91
4698	7629.35	5268.73
4699	7629.94	5265.59
4700	7630.02	5261.92
4701	7630.08	5258.77
4702	7630.16	5255.09
4703	7630.75	5251.95
4704	7630.83	5248.29
4706	7630.85	5247.23
4707	7630.90	5244.61
4708	7630.42	5242.50
4709	7629.81	5269.98
4710	7630.72	5265.09
4711	7631.31	5250.39
4712	7631.55	5247.41
4713	7631.90	5243.96
4714	7631.49	5242.00
4716	7630.66	5273.21
4717	7631.93	5270.88
4718	7631.96	5269.31
4719	7632.04	5265.63
4720	7632.11	5261.96
4721	7632.18	5258.81
4722	7632.26	5255.14
4723	7632.32	5251.99
4724	7632.35	5250.42
4725	7632.92	5248.33
4726	7632.40	5248.32
4727	7632.18	5247.11
4728	7632.65	5243.17
4729	7634.07	5244.15
4730	7634.07	5244.15
4732	7635.16	5241.55
4733	7637.80	5241.09
4734	7637.73	5269.43
4735	7634.80	5258.87
4736	7637.81	5265.75
4737	7637.89	5262.08
4738	7637.95	5258.93
4739	7638.25	5244.76
4740	7638.28	5243.19
4741	7638.32	5241.10
4742	7640.85	5271.06
4743	7640.96	5265.82
4744	7641.04	5262.15
4745	7638.00	5256.84
4746	7641.63	5259.01
4747	7642.00	5241.17
4748	7644.64	5265.89
4749	7644.71	5262.23
4750	7644.78	5259.08
4751	7645.07	5244.91
4752	7645.15	5241.24
4753	7646.35	5259.11
4754	7646.38	5257.53
4755	7638.10	5252.11
4756	7646.43	5255.43
4757	7646.49	5252.28
4758	7646.57	5248.61
4759	7646.60	5247.04

4760	7646.64	5244.94
4761	7649.05	5255.49
4762	7649.12	5252.34
4763	7649.19	5248.67
4764	7649.27	5244.99
4765	7638.17	5248.44
4766	7650.79	5272.85
4767	7650.93	5266.02
4768	7651.00	5262.36
4769	7651.07	5259.21
4770	7651.15	5255.53
4771	7651.21	5252.38
4772	7651.29	5248.71
4773	7651.36	5245.04
4774	7651.40	5243.47
4775	7638.20	5246.86
4776	7651.44	5241.37
4777	7652.58	5262.39
4778	7652.65	5259.24
4779	7654.22	5259.27
4780	7654.36	5252.45
4781	7654.44	5248.78
4782	7654.51	5245.10
4783	7656.02	5273.48
4784	7656.17	5266.13
4785	7642.30	5252.19
4786	7656.25	5262.47
4787	7656.84	5259.33
4788	7656.92	5255.65
4789	7656.99	5252.50
4790	7657.06	5248.83
4791	7657.14	5245.16
4792	7657.17	5243.59
4793	7657.21	5241.49
4794	7660.97	5262.56
4796	7661.18	5252.59
4797	7661.25	5248.92
4798	7661.33	5245.24
4799	7661.95	5266.25
4800	7662.02	5262.59
4801	7662.03	5262.06
4802	7662.09	5259.44
4803	7662.17	5255.76
4804	7662.23	5252.61
4806	7662.31	5248.94
4807	7662.37	5245.79
4808	7662.45	5242.12
4809	7665.84	5255.84
4810	7667.03	5249.04
4811	7667.10	5245.36
4812	7666.65	5241.69
4813	7668.00	5252.73
4814	7668.08	5249.06
4816	7668.11	5247.48
4817	7668.16	5245.39
4818	7668.19	5243.82
4819	7664.99	5271.56
4820	7665.10	5266.32
4821	7666.73	5263.20
4822	7668.39	5259.57
4823	7669.51	5255.91
4824	7670.63	5252.78
4826	7671.23	5249.13
4827	7671.82	5245.46
4828	7672.43	5241.81
4829	7670.96	5262.25

4830	7674.10	5262.31
4831	7679.34	5262.42
4832	6705.03	5192.26
4833	6719.74	5192.04
4834	6760.67	5192.37
4835	6865.63	5193.51
4836	6840.44	5193.50
4837	6890.82	5193.51
4838	6918.65	5193.03
4839	6945.94	5193.08
4840	6905.00	5193.28
4841	6958.54	5193.34
4842	6970.60	5193.59
4843	6991.61	5192.98
4844	6998.43	5193.12
4846	7002.41	5203.71
4848	7047.78	5193.10
4849	7067.18	5193.50
4851	7076.39	5205.25
4852	7077.15	5193.71
4853	7104.96	5194.29
4854	7130.95	5206.91
4856	7131.20	5194.84
4857	7145.36	5195.13
4858	7158.47	5195.40
4859	7184.40	5210.65
4861	7184.19	5195.94
4862	7210.62	5211.71
4863	7210.42	5196.49
4864	7231.96	5196.95
4866	7244.00	5197.19
4867	7259.53	5198.04
4868	7281.20	5198.81
4869	7289.85	5213.36
4870	7290.14	5199.20
4871	7304.30	5200.02
4872	7316.07	5214.43
4873	7316.89	5200.28
4874	7329.79	5200.44
4876	7342.82	5215.52
4877	7343.13	5200.83
4878	7360.43	5201.71
4879	7378.26	5202.61
4880	7383.73	5216.90
4881	7382.97	5203.23
4882	7394.99	5205.58
4883	7410.73	5205.91
4884	7423.56	5219.82
4886	7423.84	5206.71
4887	7437.99	5207.53
4888	7441.55	5212.85
4889	7442.34	5225.46
4890	7450.15	5228.78
4891	7450.30	5221.43
4892	7451.11	5207.80
4894	7467.56	5208.15
4896	7477.59	5222.00
4897	7477.86	5208.89
4898	7491.49	5209.17
4899	7503.80	5223.59
4900	7504.52	5213.64
4901	7504.60	5209.96
4902	7506.71	5210.00
4903	7510.30	5213.76
4904	7518.24	5210.24
4906	7518.51	5222.85

4907	7522.37	5214.01
4908	7522.45	5210.33
4909	7526.71	5232.47
4910	7529.79	5235.69
4911	7530.37	5232.55
4912	7530.55	5224.15
4913	7530.74	5214.71
4914	7530.82	5211.03
4916	7542.96	5233.33
4917	7543.86	5214.98
4918	7543.94	5211.31
4919	7557.07	5236.25
4920	7557.30	5225.23
4921	7557.50	5215.27
4922	7557.58	5211.59
4923	7570.18	5236.53
4924	7570.61	5216.07
4926	7570.69	5212.39
4927	7582.77	5236.79
4928	7583.00	5225.77
4929	7583.20	5216.33
4930	7583.28	5212.65
4931	7593.26	5237.53
4932	7594.22	5216.56
4933	7594.29	5213.41
4934	7605.87	5237.27
4936	7606.09	5226.78
4937	7605.76	5217.32
4938	7606.37	5213.13
4939	7616.88	5237.50
4940	7617.30	5217.04
4941	7617.38	5213.36
4942	7627.37	5237.72
4943	7628.29	5218.84
4944	7628.32	5217.27
4946	7628.40	5213.59
4947	7630.51	5238.31
4948	7633.08	5240.99
4949	7633.14	5237.84
4950	7633.20	5235.21
4951	7633.71	5233.51
4952	7634.13	5233.28
4953	7631.58	5226.09
4956	7630.24	5220.52
4957	7629.98	5213.62
4958	7634.14	5240.48
4959	7634.72	5237.87
4960	7634.66	5241.02
4961	7635.34	5233.16
4962	7631.99	5225.91
4963	7633.04	5217.37
4964	7633.12	5213.69
4965	7635.77	5237.89
4966	7636.81	5238.44
4967	7635.82	5235.27
4968	7635.36	5232.11
4969	7636.19	5217.43
4970	7636.27	5213.76
4971	7638.20	5236.04
4972	7638.38	5238.47
4973	7638.44	5235.32
4974	7638.51	5232.17
4976	7638.59	5228.50
4977	7639.30	5219.59
4978	7639.34	5217.50
4979	7639.42	5213.82

4980	7638.93	5237.43
4981	7639.44	5237.97
4982	7642.58	5238.56
4983	7642.65	5235.41
4984	7642.71	5232.26
4986	7645.21	5238.62
4987	7645.27	5235.47
4988	7645.31	5233.37
4989	7645.82	5233.90
4990	7646.85	5234.97
4991	7647.19	5218.71
4992	7647.22	5217.14
4993	7647.29	5213.99
4994	7647.87	5236.56
4996	7648.35	5238.68
4997	7649.44	5236.60
4998	7649.00	5232.39
4999	7651.56	5235.60
5000	7651.09	5232.96
5001	7651.46	5240.32
5002	7651.50	5238.75
5003	7651.54	5236.64
5004	7651.56	5235.60
5006	7651.60	5233.50
5007	7651.63	5232.45
5008	7651.69	5229.30
5009	7652.33	5224.06
5010	7652.47	5217.24
5011	7652.54	5214.09
5012	7654.65	5238.81
5013	7654.71	5235.66
5014	7653.70	5233.54
5016	7653.71	5233.02
5017	7657.24	5240.44
5018	7657.27	5238.87
5019	7657.33	5235.72
5020	7657.40	5232.57
5021	7657.42	5231.51
5022	7657.19	5217.34
5023	7656.74	5213.66
5024	7658.95	5233.65
5025	7657.58	5224.17
5026	7658.96	5233.13
5027	7659.89	5238.92
5028	7659.96	5235.77
5029	7662.48	5240.55
5030	7662.52	5238.98
5031	7662.55	5237.40
5032	7662.58	5235.83
5033	7662.62	5233.73
5034	7662.65	5232.68
5035	7662.67	5231.49
5036	7662.70	5230.05
5037	7663.38	5222.72
5038	7661.93	5216.39
5039	7660.94	5213.74
5040	7673.31	5215.13
5041	7664.61	5239.02
5042	7664.68	5235.87
5043	7666.71	5239.06
5044	7666.77	5235.91
5045	7666.83	5233.29
5046	7666.89	5230.14
5047	7669.86	5239.13
5048	7669.92	5235.98
5049	7673.01	5239.19

5050	7672.55	5236.03
5051	7672.08	5233.40
5052	7671.62	5230.24
5053	7676.75	5236.12
5054	6707.97	5127.24
5056	6868.16	5122.70
5057	6907.48	5124.57
5058	6919.05	5177.41
5059	6919.35	5159.46
5060	6906.24	5159.18
5061	6920.07	5124.83
5062	6946.82	5125.91
5063	6960.45	5126.72
5064	6969.91	5176.26
5065	6943.49	5159.96
5066	6970.77	5160.53
5067	6971.12	5143.74
5068	6971.98	5127.49
5069	6999.12	5185.27
5070	6986.51	5167.68
5071	7000.68	5161.15
5072	7002.16	5140.19
5073	6999.26	5128.57
5074	7014.32	5136.24
5076	7023.19	5188.92
5077	7026.90	5137.02
5078	7046.81	5188.88
5079	7054.18	5137.59
5081	7079.00	5164.50
5082	7080.92	5138.68
5083	7107.66	5140.29
5084	7131.54	5178.57
5086	7132.18	5164.50
5087	7132.85	5140.81
5088	7160.10	5142.42
5089	7180.05	5142.84
5090	7184.93	5187.31
5091	7185.64	5165.24
5092	7185.73	5146.63
5093	7185.81	5142.96
5094	7185.92	5137.71
5096	7193.68	5143.12
5097	7199.98	5143.25
5098	7210.95	5183.72
5099	7211.45	5165.61
5100	7212.56	5144.04
5101	7225.68	5144.31
5102	7233.53	5189.34
5103	7235.20	5144.86
5104	7247.70	5145.30
5106	7266.61	5145.17
5107	7290.44	5185.03
5108	7292.06	5157.78
5109	7292.85	5145.19
5110	7299.12	5145.72
5111	7317.18	5186.64
5112	7318.81	5158.85
5113	7319.07	5146.26
5114	7331.65	5147.05
5116	7343.94	5187.20
5117	7345.00	5167.22
5118	7345.81	5147.34
5119	7354.20	5148.05
5120	7362.30	5167.95
5121	7363.13	5147.70
5122	7378.85	5149.09

5123	7383.20	5192.21
5124	7384.13	5172.82
5126	7384.31	5169.37
5127	7384.39	5160.22
5128	7384.59	5150.78
5129	7397.71	5151.05
5130	7405.37	5161.18
5131	7411.53	5192.80
5132	7412.51	5170.78
5133	7412.71	5161.33
5134	7412.80	5157.14
5136	7413.43	5151.90
5137	7424.68	5191.50
5138	7425.68	5168.95
5139	7426.34	5162.14
5140	7426.44	5157.42
5141	7425.48	5153.20
5142	7426.53	5153.22
5143	7433.15	5162.81
5144	7433.35	5153.36
5146	7438.32	5191.79
5147	7439.32	5169.23
5148	7439.45	5162.94
5149	7439.55	5158.22
5150	7439.64	5154.02
5151	7446.27	5163.09
5152	7446.45	5154.16
5153	7451.38	5194.69
5154	7452.42	5170.03
5156	7452.56	5163.74
5157	7452.65	5159.01
5158	7453.27	5154.30
5159	7461.14	5154.47
5160	7478.64	5196.30
5161	7479.73	5169.03
5162	7480.02	5155.39
5163	7493.12	5156.19
5164	7504.86	5197.37
5166	7505.96	5170.10
5167	7506.76	5157.00
5168	7519.87	5157.27
5169	7531.61	5198.45
5170	7532.70	5171.18
5171	7532.98	5158.06
5172	7546.09	5158.33
5173	7551.87	5158.45
5174	7557.84	5199.00
5176	7558.94	5171.72
5177	7559.21	5158.61
5178	7572.84	5159.42
5179	7583.65	5194.82
5180	7584.11	5172.78
5181	7584.91	5159.67
5182	7588.38	5194.91
5183	7593.10	5195.01
5184	7604.53	5175.30
5186	7607.11	5177.46
5187	7610.88	5172.81
5188	7612.79	5181.77
5189	7622.61	5189.32
5190	7631.37	5196.85
5191	7632.62	5198.78
5192	7635.05	5196.93
5193	7639.61	5204.90
5194	7639.77	5197.03
5196	7647.48	5205.06

5197	7646.59	5197.17
5198	7652.72	5205.17
5199	7652.36	5197.29
5200	7659.02	5205.30
5201	7657.61	5197.40
5202	6710.86	5063.79
5206	6844.06	5069.71
5207	6870.29	5070.26
5208	6899.14	5071.38
5209	6910.16	5071.61
5210	6844.11	5067.09
5211	6908.56	5097.82
5212	6922.74	5072.39
5213	6948.43	5073.46
5214	6962.59	5074.28
5215	6853.18	5060.45
5216	6972.52	5101.77
5217	6974.12	5075.56
5218	7002.97	5076.16
5219	7015.97	5082.21
5221	7025.09	5072.43
5222	7028.51	5110.30
5223	7030.10	5084.08
5224	7042.17	5084.34
5226	7055.28	5085.13
5227	7080.96	5111.91
5228	7081.51	5085.67
5229	7095.52	5086.31
5231	7108.23	5113.00
5232	7108.25	5086.76
5233	7122.42	5087.05
5234	7133.92	5114.06
5236	7134.20	5100.95
5237	7134.47	5087.83
5238	7160.69	5088.90
5239	7186.37	5116.21
5241	7186.64	5103.09
5242	7186.92	5089.45
5243	7200.56	5090.26
5244	7212.85	5129.88
5245	7237.90	5089.98
5246	7214.45	5103.67
5247	7214.73	5090.55
5248	7227.85	5090.30
5250	7258.29	5090.41
5251	7268.25	5091.14
5252	7293.81	5123.69
5253	7295.53	5091.71
5254	7301.29	5092.87
5255	7246.74	5090.69
5256	7321.75	5093.30
5257	7334.85	5094.10
5258	7347.14	5134.25
5259	7349.02	5094.39
5260	7355.01	5134.41
5261	7356.35	5095.07
5262	7362.34	5135.09
5263	7376.25	5122.79
5264	7381.00	5096.11
5266	7385.94	5136.11
5267	7386.18	5124.56
5268	7388.28	5098.06
5269	7389.11	5098.14
5270	7397.78	5147.37
5271	7398.77	5124.83
5272	7412.21	5109.36

5273	7413.51	5148.23
5274	7413.71	5138.79
5276	7414.50	5125.68
5277	7414.76	5113.09
5278	7415.57	5099.46
5279	7421.37	5148.92
5280	7426.62	5149.03
5281	7427.34	5139.07
5282	7427.61	5125.95
5283	7428.40	5113.38
5284	7428.68	5100.26
5286	7434.45	5100.38
5287	7439.72	5149.83
5288	7440.52	5136.19
5289	7440.85	5120.45
5290	7440.22	5100.50
5291	7448.08	5101.18
5292	7453.36	5150.11
5293	7453.56	5140.14
5294	7455.16	5113.93
5296	7455.95	5101.34
5297	7467.49	5101.58
5298	7470.64	5101.65
5299	7480.31	5141.22
5300	7481.18	5124.97
5301	7481.39	5115.00
5302	7482.07	5107.66
5303	7482.19	5101.89
5304	7488.83	5110.43
5306	7495.83	5102.17
5307	7507.59	5142.31
5308	7507.83	5130.78
5309	7508.08	5118.70
5310	7508.93	5102.97
5311	7521.10	5123.70
5312	7533.82	5142.86
5313	7534.12	5128.70
5314	7535.91	5112.03
5316	7536.75	5103.03
5317	7545.54	5109.51
5318	7559.90	5150.75
5319	7560.13	5139.74
5320	7560.85	5130.30
5321	7561.08	5119.28
5323	7584.87	5136.49
5324	7597.07	5155.73
5325	7588.13	5156.07
5326	7604.94	5155.89
5327	7610.17	5156.53
5328	7613.84	5163.53
5329	7616.64	5165.70
5330	7616.45	5163.62
5331	7615.85	5160.84
5332	7618.55	5157.22
5333	7620.38	5170.38
5334	7618.96	5163.00
5336	7621.67	5158.86
5337	7627.17	5146.38
5338	7636.20	5141.84
5339	7630.15	5180.04
5340	7634.45	5174.88
5341	7633.54	5168.56
5342	7639.83	5193.89
5343	7651.42	5192.02
5344	7650.47	5187.28
5346	7656.18	5190.55

5347	7654.21	5184.21
5348	7710.69	5143.39
5349	7742.81	5113.62
5350	7801.71	5057.64
5351	7780.07	5013.10
5352	7758.93	4969.61
5353	7757.39	4942.81
5354	7756.61	4930.20
5356	7780.61	4911.80
5357	7781.80	4879.29
5358	6711.98	5035.47
5360	6859.36	5041.16
5362	6847.81	5015.72
5363	6871.95	5041.42
5364	6872.99	5016.77
5365	6848.07	5003.13
5366	6900.79	5017.35
5367	6920.71	5018.29
5368	6924.39	5043.56
5369	6925.95	5018.93
5371	6926.05	5014.20
5372	6952.17	5019.99
5373	6975.22	5047.24
5374	6976.83	5020.50
5376	7005.68	5021.63
5377	7031.47	5055.23
5378	7032.43	5022.72
5379	7059.17	5024.33
5381	7083.84	5055.93
5382	7085.02	5033.26
5383	7084.88	5024.34
5384	7097.99	5025.14
5385	7110.82	5055.23
5386	7113.18	5026.50
5387	7127.34	5027.32
5388	7135.73	5072.03
5389	7136.70	5055.63
5391	7138.34	5028.07
5392	7165.60	5029.69
5393	7178.71	5030.49
5394	7188.33	5072.68
5396	7188.67	5056.41
5397	7190.76	5031.26
5398	7190.93	5023.39
5399	7204.92	5032.08
5400	7216.15	5057.13
5401	7216.96	5033.38
5402	7238.63	5034.37
5404	7242.46	5034.69
5405	7238.85	5052.65
5406	7258.91	5035.31
5407	7269.22	5066.80
5408	7270.98	5036.08
5409	7296.97	5067.72
5410	7297.46	5049.76
5411	7298.75	5038.23
5412	7299.36	5017.95
5413	7323.64	5069.60
5414	7324.00	5060.28
5415	7244.75	5047.05
5416	7324.97	5039.31
5417	7350.46	5069.87
5418	7351.53	5049.30
5419	7352.23	5040.93
5420	7357.82	5070.58
5421	7358.87	5049.46

5422	7358.51	5041.58
5423	7397.77	5072.32
5424	7396.72	5047.10
5426	7399.42	5043.48
5427	7412.70	5061.08
5428	7429.45	5088.20
5429	7429.72	5075.61
5431	7430.36	5069.84
5432	7433.16	5036.31
5433	7434.48	5073.61
5434	7440.90	5093.16
5436	7441.06	5085.81
5437	7443.77	5081.67
5438	7446.03	5073.85
5439	7456.12	5093.47
5440	7456.31	5084.03
5441	7457.05	5074.08
5442	7457.31	5061.49
5443	7457.98	5054.15
5444	7458.83	5038.42
5446	7470.15	5074.88
5447	7470.71	5048.12
5448	7482.99	5088.78
5449	7483.78	5075.68
5450	7486.08	5066.28
5451	7494.80	5075.91
5452	7500.70	5069.74
5453	7509.72	5089.87
5454	7509.95	5078.85
5455	6835.75	4989.75
5456	6714.61	4984.60
5458	6822.13	4963.22
5459	6852.04	4963.85
5461	6875.10	4990.57
5462	6875.64	4964.86
5463	6903.42	4966.49
5464	6927.61	4989.57
5466	6928.59	4968.06
5467	6955.34	4969.15
5468	6978.94	4994.83
5469	6981.02	4970.73
5470	7008.84	4970.79
5471	7002.01	4971.16
5472	7032.04	4990.69
5473	7033.28	5006.99
5474	7035.09	4970.28
5476	7057.12	4971.27
5478	7085.95	4998.64
5479	7087.43	4977.68
5481	7087.54	4972.43
5482	7116.35	4975.13
5483	7139.42	5001.32
5484	7141.53	4976.18
5486	7168.27	4977.25
5488	7192.32	5007.15
5489	7193.96	4978.84
5490	7194.16	4969.40
5491	7195.44	4957.88
5492	7196.15	4999.88
5493	7221.75	4979.95
5494	7245.32	4980.93
5496	7263.18	4981.85
5497	7272.02	5016.22
5498	7274.19	4982.61
5499	7275.52	4968.99
5500	7300.65	4997.34

5501	7301.46	4983.70
5502	7302.96	4961.69
5503	7309.32	4984.39
5504	7326.15	5018.60
5506	7327.38	4999.46
5507	7327.67	4985.30
5508	7328.40	4975.34
5509	7339.71	4986.60
5510	7347.96	4994.12
5511	7348.11	4986.77
5512	7353.22	5020.57
5513	7353.98	5011.97
5514	7354.14	4999.49
5516	7354.26	4993.73
5517	7354.92	4987.44
5518	7355.03	4982.19
5519	7359.73	5020.60
5520	7359.98	5009.81
5521	7364.45	5008.64
5522	7369.59	4988.80
5523	7372.72	5021.88
5526	7389.04	5038.02
5527	7392.26	5034.41
5528	7393.68	5016.59
5529	7395.81	4989.86
5530	7415.61	5012.61
5531	7416.77	4991.88
5532	7428.83	4992.13
5533	7434.75	5010.63
5534	7435.52	4998.56
5536	7435.65	4992.27
5537	7461.23	5024.30
5538	6716.87	4926.39
5539	6745.86	4920.70
5541	6763.45	4907.94
5542	6798.59	4909.19
5543	6812.76	4908.97
5544	6823.66	4940.16
5545	6842.10	4936.87
5546	6825.35	4909.75
5547	6842.66	4910.11
5548	6860.13	4910.70
5549	6877.27	4937.07
5550	6897.39	4951.71
5551	6878.32	4911.38
5552	6899.30	4912.34
5553	6914.51	4913.18
5554	6924.91	4942.80
5555	6904.23	4927.66
5556	6923.69	4925.97
5557	6920.80	4913.32
5558	6920.89	4909.11
5559	6926.56	4913.96
5560	6911.85	4888.61
5561	6956.98	4915.11
5562	6965.38	4915.29
5563	6980.19	4960.21
5564	6968.60	4936.88
5565	7003.65	4917.67
5566	6973.16	4919.66
5567	6973.76	4915.99
5568	6995.78	4917.50
5570	7006.27	4917.72
5571	7027.76	4918.69
5572	7036.13	4945.63
5573	7036.67	4919.92

5574	7054.50	4920.30
5575	7007.07	4904.09
5576	7062.90	4920.47
5577	7088.60	4946.72
5578	7090.17	4921.57
5579	7100.13	4922.30
5581	7116.40	4922.64
5582	7132.64	4923.50
5583	7134.29	4918.97
5584	7143.13	4924.24
5586	7147.33	4924.33
5587	7142.74	4929.50
5588	7163.13	4947.23
5589	7161.48	4925.15
5590	7185.61	4925.65
5591	7195.72	4947.20
5592	7195.70	4945.29
5593	7197.14	4926.94
5594	7216.03	4927.34
5596	7221.79	4927.46
5597	7235.44	4927.74
5598	7242.24	4928.93
5599	7248.13	4928.96
5600	7257.46	4928.73
5601	7262.70	4929.35
5602	7263.40	4920.98
5603	7264.06	4914.16
5604	7276.34	4954.84
5606	7276.50	4949.79
5607	7276.65	4939.63
5608	7277.09	4930.11
5609	7278.97	4929.69
5610	7291.84	4941.51
5611	7289.45	4930.44
5612	7296.79	4930.59
5613	7303.08	4955.92
5614	7303.16	4952.25
5616	7303.88	4942.82
5617	7308.32	4956.55
5618	7313.58	4930.94
5619	7356.03	4959.12
5620	7357.08	4933.94
5621	7357.17	4929.75
5622	7370.19	4934.74
5623	7383.82	4935.55
5624	7396.93	4936.35
5626	7406.37	4936.55
5627	7420.01	4962.03
5628	7425.56	4972.64
5629	6707.49	4873.17
5630	6837.71	4870.64
5632	6815.45	4856.01
5633	6833.27	4856.91
5634	6842.71	4857.10
5635	6853.38	4874.12
5637	6868.95	4882.84
5638	6870.51	4858.20
5639	6897.78	4859.29
5640	6856.88	4882.59
5641	6922.44	4885.01
5642	6923.47	4860.88
5643	6937.63	4861.18
5644	6952.32	4862.01
5645	6884.69	4883.17
5646	6975.40	4887.68
5647	6975.92	4863.02

5648	7001.60	4864.61
5649	7029.32	4894.58
5651	7029.92	4865.72
5652	7030.87	4845.27
5653	7066.62	4868.06
5654	7082.82	4896.74
5656	7084.45	4868.43
5657	7089.95	4868.43
5658	7105.04	4862.57
5659	7113.82	4869.57
5660	7137.94	4896.32
5661	7138.99	4870.62
5662	7165.20	4872.21
5663	7191.40	4900.05
5664	7193.01	4873.32
5666	7221.30	4874.39
5667	7242.30	4875.40
5668	7246.49	4875.48
5669	7247.77	4890.20
5670	7272.71	4877.07
5671	7298.37	4904.91
5672	7299.45	4878.16
5673	7326.73	4879.25
5674	7358.16	4907.72
5676	7359.23	4880.98
5677	7381.30	4879.86
5678	7396.49	4906.95
5679	6710.10	4822.85
5680	7007.89	4864.74
5681	6817.06	4828.74
5684	6872.11	4831.47
5685	6838.57	4829.19
5688	6925.09	4833.62
5689	6926.68	4807.41
5690	6859.97	4809.70
5691	6954.47	4809.04
5692	6977.53	4835.76
5693	6979.12	4810.08
5694	7004.28	4811.65
5695	6873.62	4809.98
5696	7021.59	4812.53
5697	7031.55	4837.93
5698	7032.58	4813.29
5699	7060.39	4839.59
5700	7008.99	4812.27
5701	7085.55	4841.16
5702	7087.18	4813.37
5703	7099.18	4841.97
5704	7111.77	4842.23
5705	7008.33	4843.75
5706	7113.38	4815.50
5707	7114.72	4851.74
5708	7129.06	4843.64
5709	7140.60	4843.88
5711	7141.68	4817.66
5712	7166.29	4845.47
5713	7192.76	4859.66
5714	7193.56	4846.56
5715	7194.65	4819.82
5716	7219.26	4847.62
5717	7219.81	4821.38
5718	7225.82	4835.16
5719	7231.30	4848.92
5720	7235.78	4861.08
5721	7246.79	4861.31
5722	7247.58	4848.73

5723	7248.33	4837.73
5724	7248.65	4822.51
5726	7273.79	4850.33
5727	7274.87	4823.59
5728	7300.55	4850.89
5729	7302.14	4825.20
5730	7327.29	4852.49
5731	7328.87	4826.81
5732	7360.78	4857.39
5733	7361.15	4839.55
5734	7361.41	4826.96
5736	7376.11	4851.94
5737	6713.85	4743.66
5739	6849.70	4748.59
5741	6876.43	4750.20
5742	6904.23	4751.30
5743	6928.31	4779.62
5744	6930.98	4752.38
5751	7026.88	4784.83
5752	7034.36	4778.68
5753	7035.36	4756.14
5754	7045.84	4756.87
5756	7063.08	4760.38
5757	7088.24	4787.15
5758	7089.30	4761.46
5759	7114.97	4789.29
5761	7116.58	4762.55
5762	7116.85	4749.43
5763	7130.73	4763.37
5764	7144.36	4764.17
5766	7169.86	4774.68
5767	7184.05	4773.93
5768	7196.01	4779.42
5769	7197.84	4767.39
5770	7201.82	4777.45
5771	7213.80	4807.09
5772	7224.08	4767.41
5773	7249.74	4795.76
5774	7251.34	4769.03
5776	7277.56	4770.10
5777	7300.63	4771.63
5778	7302.46	4809.98
5779	7303.77	4771.70
5780	7331.06	4772.27
5781	7339.97	4772.98
5782	7362.76	4812.82
5783	6716.52	4691.23
5784	6770.55	4692.88
5787	6825.09	4695.06
5788	6853.42	4696.18
5791	6879.64	4697.25
5792	6904.27	4698.81
5793	6929.99	4724.02
5794	6929.98	4699.35
5796	6959.30	4701.05
5797	7000.25	4702.92
5798	7013.35	4703.71
5799	7028.86	4719.07
5801	7036.42	4730.43
5802	7036.40	4716.98
5803	7034.66	4704.63
5804	7050.58	4705.54
5806	7050.15	4700.94
5807	7064.22	4705.82
5808	7086.27	4707.63
5811	7119.26	4709.06

5812	7173.28	4711.77
5813	7174.85	4711.80
5814	7185.04	4735.31
5816	7190.34	4749.38
5817	7191.63	4712.67
5818	7197.68	4749.54
5819	7198.10	4735.61
5820	7198.97	4712.82
5821	7226.24	4713.92
5822	7252.16	4754.88
5823	7252.91	4736.76
5824	7253.50	4715.54
5826	7273.96	4715.96
5827	7280.06	4736.93
5828	7305.40	4743.91
5829	7306.49	4717.17
5831	6717.63	4663.43
5832	6826.17	4668.31
5834	6931.57	4673.66
5835	7017.59	4651.31
5836	7040.15	4651.78
5837	7067.41	4653.40
5838	7111.09	4698.40
5839	7097.05	4692.33
5841	7094.80	4681.86
5842	7095.74	4654.51
5843	7108.84	4655.31
5844	7135.57	4656.91
5846	7154.98	4657.84
5847	7156.45	4662.60
5848	7156.54	4658.40
5849	7160.87	4677.39
5851	7170.37	4700.16
5852	7175.96	4658.28
5853	7200.05	4686.60
5854	7201.13	4659.33
5856	7213.19	4660.11
5857	7229.45	4660.97
5858	7274.51	4689.73
5859	7276.13	4662.47
5861	6721.30	4613.12
5862	6721.95	4582.16
5863	6775.95	4584.87
5864	6828.33	4615.35
5866	6828.92	4587.01
5867	6883.18	4602.85
5868	6883.45	4589.73
5869	6935.28	4621.25
5871	6937.46	4592.43
5872	6948.40	4621.52
5873	6950.56	4593.22
5874	6962.62	4594.00
5875	7018.22	4620.88
5876	6990.94	4595.12
5877	7018.73	4596.22
5878	7031.32	4597.00
5879	7041.76	4624.52
5881	7042.86	4597.24
5882	7052.09	4607.93
5883	7068.54	4598.83
5884	7072.62	4599.26
5886	7097.34	4627.78
5887	7097.92	4599.97
5888	7111.55	4600.77
5889	7124.13	4601.56
5890	7132.00	4601.73

5891	7135.50	4610.20
5892	7141.00	4623.44
5893	7143.97	4631.90
5894	7147.15	4630.38
5896	7153.83	4637.35
5897	7150.33	4628.88
5898	7151.11	4616.83
5899	7151.40	4602.66
5900	7152.02	4598.47
5901	7180.76	4604.32
5902	7202.19	4633.64
5903	7203.85	4604.80
5904	7233.74	4605.94
5906	7257.86	4606.97
5907	7273.54	4635.64
5918	6723.05	4529.18
5919	6757.21	4530.46
5921	6777.08	4530.82
5922	6830.58	4532.46
5923	6884.07	4559.82
5924	6884.62	4533.59
5926	6911.91	4534.15
5927	6938.10	4561.47
5928	6938.14	4534.70
5929	6953.35	4535.02
5931	6991.35	4575.70
5932	6991.67	4559.96
5933	6992.18	4535.83
5934	7004.77	4536.09
5936	7021.53	4536.46
5937	7021.23	4552.18
5938	7036.77	4536.76
5939	7043.79	4577.85
5941	7044.44	4572.09
5942	7045.70	4536.94
5943	7059.86	4537.24
5944	7052.68	4579.60
5946	7078.18	4590.11
5947	7086.37	4575.06
5948	7086.17	4534.12
5950	7092.60	4527.95
5951	7093.66	4526.92
5952	7098.61	4592.11
5953	7098.80	4582.66
5954	7116.41	4568.86
5956	7112.15	4521.53
5957	7131.01	4522.97
5958	7120.64	4593.09
5959	7129.01	4593.79
5960	7152.17	4591.12
5961	7152.38	4581.15
5962	7157.98	4538.75
5963	7170.67	4559.50
5964	7186.79	4541.98
5966	7189.65	4580.36
5967	7206.29	4588.05
5968	7206.70	4568.64
5969	7228.45	4557.55
5970	7235.07	4567.13
5972	6670.62	4475.60
5973	6696.86	4476.14
5974	6723.35	4516.96
5976	6723.62	4476.70
5977	6757.07	4478.04
5978	6777.01	4519.64
5979	6778.17	4478.35

5981	6805.97	4478.93
5982	6832.20	4479.48
5983	6858.96	4480.04
5984	6885.20	4480.58
5986	6913.01	4481.16
5987	6953.93	4482.01
5988	6991.68	4509.04
5989	6993.28	4482.83
5990	6953.38	4508.25
5991	7018.99	4483.37
5992	7043.12	4483.87
5993	7049.27	4484.00
5994	7045.95	4524.88
5996	7060.54	4504.19
5997	7066.70	4511.13
5998	7073.88	4519.16
5999	7080.53	4527.17
6000	7074.09	4509.19
6001	7073.55	4484.51
6002	7087.72	4484.80
6003	7074.78	4501.33
6004	7095.76	4502.48
6006	7097.28	4504.42
6008	7126.55	4485.09
6009	7133.46	4485.20
6010	7142.29	4485.42
6011	7154.61	4498.80
6012	7153.84	4485.66
6013	7169.56	4512.23
6016	7194.87	4531.65
6017	7210.50	4537.22
6024	6671.24	4420.50
6026	6682.26	4420.73
6027	6724.76	4421.61
6028	6753.09	4422.20
6029	6779.33	4422.75
6031	6807.14	4422.80
6032	6832.85	4423.86
6033	6860.65	4424.44
6034	6885.83	4424.97
6036	6915.21	4425.58
6037	6940.41	4425.58
6038	6968.23	4425.63
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6042	6994.48	4425.12
6043	7014.98	4449.17
6044	7019.59	4454.51
6046	7031.87	4469.47
6047	7053.90	4470.46
6048	7041.01	4433.96
6049	7027.49	4427.92
6051	7062.13	4428.11
6052	7073.86	4469.82
6053	7074.11	4457.76
6054	7074.72	4428.37
6056	7098.88	4462.63
6058	7119.36	4462.44
6059	7133.23	4475.74
6062	7154.12	4472.02
6063	7155.51	4430.58
6064	7155.69	4422.19
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6067	7208.67	4448.48
6068	7209.56	4431.18
6072	6671.46	4410.00
6073	6672.34	4368.03

6076	6725.30	4395.89
6077	6725.35	4368.08
6078	6755.26	4368.70
6079	6779.87	4396.51
6081	6779.90	4369.74
6082	6806.66	4370.30
6083	6833.37	4398.67
6084	6833.94	4371.40
6086	6862.28	4371.46
6087	6886.86	4400.84
6089	6887.45	4372.51
6091	6916.32	4372.58
6092	6940.39	4401.43
6093	6940.98	4373.10
6094	6941.14	4365.23
6096	6947.27	4373.23
6097	6954.62	4373.38
6098	6968.30	4396.76
6099	6996.07	4374.25
6101	7028.58	4375.45
6102	7075.25	4402.67
6103	7075.81	4375.91
6104	7076.25	4354.92
6105	7092.59	4376.78
6106	7109.34	4379.23
6107	7129.86	4377.03
6108	7157.13	4377.60
6109	7186.00	4377.67
6111	7209.71	4423.84
6112	7210.25	4398.12
6113	6672.67	4326.56
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6117	6726.21	4326.63
6118	6726.41	4317.18
6119	6753.18	4317.22
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6123	6834.37	4325.21
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6128	6887.97	4347.32
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6131	6888.55	4319.52
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6133	6893.01	4307.53
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6212	6760.15	4158.85
6213	6756.44	4210.73
6214	6783.20	4211.29
6216	6783.78	4183.49
6217	6777.62	4177.06
6218	6775.11	4171.76
6219	6769.60	4159.05
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6223	6797.93	4159.64
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6228	6811.58	4159.39
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6317	6830.37	4057.73
6318	6854.34	4058.46
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6324	6947.64	4053.05
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6339	6738.04	4036.09
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6342	6740.92	3973.17
6343	6751.87	3920.44
6344	6761.40	3972.54
6346	6782.93	3936.83
6347	6813.84	4000.40
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6364	7411.89	5843.14
6365	7382.49	5893.98
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6368	7463.81	5539.47
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8	73	342	4	3	1070	1	17	82	62	3	3	176	20	37	43	0	0	0
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8	78	108	6	5	241	6	42	52	266	6	4	578	25	48	27	0	0	0
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801081	41	24	22	110	3	29	68	30	23	20	35	22	43	35	0	0	0
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851083	256	10	9	880	7	54	39	174	10	9	405	16	49	35	0	0	0
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811086	178	7	6	498	2	23	75	24	8	8	56	14	22	64	0	0	0
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2	3	0	115	69	184	0	300	500
2	4	0	46	148	194	0	45	50
2	5	31	58	231	320	0	175	300
2	6	31	173	548	752	0	300	500
2	7	51	115	628	794	0	300	500
2	8	51	207	270	528	0	175	300
2	9	0	0	178	178	0	0	0
2	10	11	240	1343	1594	0	45	50
2	11	81	160	885	1126	0	175	300
2	12	40	483	769	1292	0	300	500
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2	14	51	356	1200	1607	1600	175	300
2	15	51	230	557	838	190	45	50
2	16	0	11	183	194	0	0	0
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2	18	51	1610	4497	6158	0	45	50
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2	20	40	506	1325	1871	0	300	500
2	21	20	208	1021	1249	0	45	50
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2	25	101	115	1169	1385	0	175	200
3	26	40	285	2507	2832	0	150	200
3	27	20	437	1465	1922	984	150	200
3	28	11	173	7301	7485	1468	0	0
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3	31	202	633	1716	2551	0	150	200
4	32	20	230	440	690	0	0	0
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4	36	40	91	697	828	473	150	200
4	37	0	24	275	299	0	0	0
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4	40	0	139	1807	1946	0	150	100
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6	44	0	322	168	490	0	0	0
6	45	13	908	1012	1933	0	10	20
6	46	51	58	173	282	0	10	20
6	47	63	54	382	499	0	0	0
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6	50	12	54	359	425	0	0	0
6	51	0	0	20	20	0	0	0
5	52	0	24	124	148	0	100	0
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7	70	119	244	310	673	0	0	0
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9	84	0	0	134	134	0	0	0
9	85	288	363	174	825	0	0	0
9	86	354	130	91	575	0	0	0
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9	88	0	230	900	1130	0	0	0
9	89	51	0	143	194	0	0	0
9	90	0	873	116	989	0	0	0
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10	106	0	103	321	424	0	0	0
10	107	0	26	338	364	2589	0	0
10	108	26	175	433	634	3263	0	0
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11	112	0	151	1469	1620	653	0	0
11	113	0	0	98	98	0	0	0
11	114	0	81	330	411	646	0	0
11	115	0	136	348	484	1065	0	0
11	116	0	24	325	349	740	0	0
11	117	0	416	131	547	0	0	0
11	118	252	64	170	486	0	0	0
11	119	9	16	429	454	2728	0	0
11	120	0	24	255	279	850	0	0
11	121	0	230	171	401	0	0	0
11	122	0	0	97	97	734	0	0
11	123	0	0	146	146	0	0	0
11	124	0	65	248	313	0	0	0
11	125	0	0	96	96	0	0	0
11	126	16	341	1016	1373	0	0	0
12	127	0	10	285	295	697	0	0
11	128	0	0	15	15	0	0	0
11	129	0	0	52	52	0	0	0
12	130	58	69	377	504	816	0	0
12	131	0	0	105	105	0	0	0
12	132	0	0	0	0	0	0	0

12 133	38	0	565	603	0	0	0
12 134	0	0	63	63	0	0	0
12 135	0	79	0	79	0	0	0
12 136	58	117	784	959	1951	0	0
12 137	0	27	316	343	567	0	0
12 138	18	29	361	408	1586	0	0
12 139	5	108	180	293	0	0	0
12 140	26	266	385	677	1017	0	0
12 141	13	41	314	368	618	0	0
12 142	0	117	213	330	0	0	0
13 143	115	589	367	1071	1034	0	0
13 144	23	0	0	23	0	0	0
13 145	0	288	430	718	0	0	0
13 146	42	0	271	313	1231	0	0
13 147	0	23	0	23	0	0	0
13 148	0	209	0	209	0	0	0
13 149	32	0	171	203	0	0	0
13 150	0	0	36	36	3247	0	0
13 151	49	110	316	475	0	0	0
13 152	11	143	100	254	0	0	0
15 153	43	328	268	639	0	0	0
15 154	0	0	0	0	0	0	0
15 155	0	0	0	0	0	0	0
13 156	0	0	0	0	0	0	0
13 157	0	0	0	0	0	0	0
13 158	9	72	351	432	944	0	0
13 159	30	0	0	30	0	0	0
13 160	30	0	103	133	0	0	0
14 161	0	0	0	0	0	0	0
14 162	8	0	0	8	0	0	0
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15 171	17	0	0	17	0	0	0
15 172	39	10	0	49	339	0	0
15 173	11	0	9	20	0	0	0
15 174	0	0	0	0	0	0	0
15 175	276	98	1937	2311	0	0	0
18 176	415	471	212	1098	0	0	0
18 177	455	355	2047	2857	0	0	0
18 178	186	103	107	396	0	0	0
18 179	52	37	74	163	0	0	0
18 180	202	0	0	202	0	0	0
18 181	287	188	86	561	227	0	0
16 182	55	86	0	141	0	0	0
16 183	759	189	189	1137	0	0	0
18 184	20	24	0	44	0	0	0
18 185	247	103	39	389	0	0	0
18 186	0	115	214	329	2053	0	0
18 187	220	241	482	943	823	0	0
18 188	1487	1197	717	3401	0	0	0
18 189	117	52	199	368	0	0	0
16 190	2158	1395	441	3994	0	0	0
16 191	0	0	0	0	0	0	0
16 192	25	0	0	25	0	0	0
16 193	2021	516	877	3414	0	0	0
31 194	2412	1350	719	4481	0	0	0
29 195	435	612	198	1245	0	0	0
29 196	285	69	487	841	0	0	0
29 197	40	404	458	902	0	0	0
29 198	490	611	324	1425	542	0	0

29 199	11	789	1479	2279	0	0	0
29 200	20	1028	315	1363	0	0	0
29 201	37	295	1303	1635	0	0	0
29 202	0	3332	237	3569	0	0	0
29 203	38	575	1377	1990	1090	0	0
29 204	26	315	284	625	0	0	0
19 205	16	288	369	673	1122	0	0
19 206	1337	469	415	2221	0	0	0
19 207	0	173	268	441	0	0	0
19 208	0	24	1226	1250	706	0	0
19 209	58	220	288	566	0	0	0
19 210	0	221	634	855	0	0	0
19 211	20	212	483	715	2234	0	0
19 212	1835	1691	1599	5125	6019	0	0
19 213	4997	759	589	6345	0	0	0
19 214	0	128	141	269	0	0	0
19 215	951	230	571	1752	0	0	0
19 216	202	52	438	692	3172	0	0
19 217	20	68	338	426	194	0	0
19 218	0	0	0	0	1293	0	0
29 219	33	93	329	455	954	0	0
29 220	0	56	610	666	2211	0	0
29 221	122	477	352	951	0	0	0
29 222	0	483	441	924	0	0	0
29 223	14	851	361	1226	0	0	0
29 224	8	230	181	419	0	0	0
29 225	0	25	291	316	1377	0	0
29 226	18	41	67	126	0	0	0
29 227	17	71	201	289	1535	0	0
29 228	18	31	194	243	915	0	0
29 229	39	90	115	244	0	0	0
29 230	166	144	251	561	808	0	0
29 231	2227	1019	1175	4421	140	0	0
33 232	686	681	736	2103	0	0	0
33 233	0	0	95	95	0	0	0
33 234	0	80	211	291	0	0	0
33 235	428	165	136	729	0	0	0
28 236	3792	408	154	4354	0	0	0
28 237	51	29	345	425	0	0	0
28 238	56	58	2435	2549	939	0	0
28 239	150	222	187	559	0	0	0
28 240	45	348	547	940	236	0	0
28 241	48	234	459	741	0	0	0
28 242	0	215	633	848	950	0	0
28 243	15	61	571	647	3016	0	0
28 244	41	58	328	427	742	0	0
28 245	1393	526	272	2191	0	0	0
28 246	310	126	76	512	0	0	0
28 247	7	17	78	102	0	0	0
28 248	19	150	247	416	0	0	0
28 249	0	8	40	48	0	0	0
28 250	26	118	178	322	0	0	0
28 251	0	29	226	255	928	0	0
28 252	0	0	59	59	0	0	0
28 253	0	17	473	490	1984	0	0
21 254	0	0	1487	1487	0	0	0
21 255	3819	2035	3957	9811	0	0	0
21 256	101	0	14	115	0	0	0
21 257	1025	331	329	1685	0	0	0
20 258	168	280	1113	1561	0	0	0
20 259	2585	2487	1827	6899	0	0	0
20 260	0	0	456	456	1147	0	0
20 261	0	24	136	160	0	0	0
21 262	0	144	383	527	1909	0	0
21 263	0	173	348	521	572	0	0
21 264	15	46	113	174	0	0	0

21 265	51	58	397	506	1105	0	0
21 266	25	58	769	852	0	0	0
21 267	20	173	174	367	0	0	0
21 268	101	230	260	591	264	0	0
21 269	449	646	193	1288	0	0	0
21 270	1654	2349	1096	5099	0	0	0
21 271	0	0	1191	1191	12081	0	0
26 272	0	13	41	54	0	0	0
26 273	98	0	64	162	0	0	0
26 274	51	11	153	215	0	0	0
26 275	25	34	30	89	0	15	30
26 276	40	380	308	728	0	15	30
26 277	0	34	45	79	0	75	200
26 278	11	230	460	701	0	75	200
26 279	0	115	116	231	0	75	200
26 280	0	34	290	324	2010	75	200
26 281	979	345	163	1487	0	75	200
27 282	354	69	101	524	0	75	200
27 283	101	230	116	447	0	75	200
27 284	252	103	83	438	0	75	200
27 285	41	36	252	329	677	75	200
27 286	175	69	139	383	348	25	50
27 287	196	299	137	632	0	25	50
26 288	60	144	183	387	1138	15	30
26 289	31	39	136	206	0	15	30
26 290	0	71	108	179	0	0	0
26 291	20	207	527	754	725	15	30
26 292	11	17	77	105	0	0	0
26 293	36	370	2039	2445	0	0	0
22 294	12	126	268	406	637	0	0
22 295	0	5	306	311	2769	0	0
22 296	18	73	159	250	0	0	0
22 297	0	18	197	215	1112	0	0
22 298	44	128	552	724	0	0	0
22 299	12	5	166	183	0	0	0
22 300	11	376	440	827	2116	0	0
22 301	0	167	268	435	0	0	0
22 302	45	173	235	453	0	0	0
22 303	0	276	192	468	0	0	0
22 304	0	0	196	196	1100	0	0
22 305	0	13	145	158	0	0	0
22 306	15	24	340	379	1889	0	0
22 307	0	24	342	366	169	0	0
22 308	0	115	227	342	87	0	0
22 309	407	333	261	1001	331	0	0
22 310	92	339	226	657	0	0	0
22 311	81	46	149	276	572	0	0
22 312	1061	288	498	1847	0	0	0
22 313	0	41	247	288	821	0	0
22 314	0	0	45	45	0	0	0
22 315	15	17	324	356	755	0	0
22 316	0	17	372	389	731	0	0
22 317	0	0	49	49	0	0	0
22 318	3837	4255	434	8526	0	0	0
22 319	7	9	21	37	0	0	0
23 320	45	113	1057	1215	0	0	0
23 321	51	661	380	1092	0	0	0
23 322	11	411	410	832	0	0	0
23 323	17	690	578	1285	0	0	0
23 324	0	2645	372	3017	0	0	0
23 325	0	404	435	839	0	0	0
23 326	22	288	777	1087	0	0	0
23 327	152	321	160	633	0	0	0
23 328	202	664	1478	2344	734	0	0
23 329	60	575	830	1465	0	0	0
23 330	0	0	228	228	1010	0	0

23 331	0	41	143	184	0	0	0
24 332	0	0	48	48	0	0	0
24 333	0	0	338	338	2363	0	0
24 334	18	131	253	402	0	0	0
24 335	0	163	155	318	0	0	0
24 336	0	0	72	72	0	0	0
24 337	31	69	733	833	0	0	0
24 338	0	68	278	346	1749	0	0
24 339	0	102	352	454	2303	0	0
24 340	11	79	171	261	0	0	0
24 341	307	852	869	2028	0	0	0
24 342	31	149	523	703	683	0	0
24 343	43	217	372	632	0	0	0
24 344	206	432	435	1073	1342	0	0
24 345	354	564	1558	2476	0	0	0
24 346	36	381	865	1282	1576	0	0
24 347	177	460	2700	3337	0	0	0
24 348	49	345	359	753	0	0	0
24 349	0	0	219	219	0	0	0
24 350	71	281	81	433	313	0	0
24 351	0	100	214	314	1183	0	0
24 352	12	9	26	47	0	0	0
25 353	118	141	102	361	0	0	0
25 354	0	49	127	176	0	0	0
25 355	148	126	232	506	0	0	0
25 356	11	61	110	182	0	0	0
25 357	0	33	69	102	0	0	0
25 358	0	51	615	666	4032	0	0
25 359	31	71	119	221	0	0	0
25 360	0	22	98	120	0	0	0
25 361	0	0	51	51	0	0	0
25 362	60	115	752	927	0	0	0
25 363	71	110	296	477	0	0	0
25 364	31	195	1093	1319	0	0	0
25 365	0	428	148	576	0	0	0
25 366	0	174	284	458	0	0	0
25 367	0	206	720	926	0	0	0
25 368	19	53	171	243	0	25	50
25 369	20	165	388	573	0	25	50
25 370	79	331	495	905	747	25	50
25 371	76	153	810	1039	2187	0	0
25 372	13	43	102	158	0	0	0
25 373	371	103	203	677	0	25	50
25 374	156	748	62	966	0	25	50
35 375	192	230	159	581	0	15	30
35 376	242	139	202	583	0	25	50
35 377	217	115	233	565	1845	15	30
25 378	14	191	143	348	0	25	50
25 379	0	0	190	190	1418	0	0
25 380	11	13	48	72	0	0	0
25 381	31	111	502	644	0	0	0
35 382	0	575	1924	2499	0	25	50
35 383	944	460	330	1734	0	15	30
35 384	263	316	480	1059	1071	70	150
35 385	25	518	396	939	0	25	50
35 386	20	235	332	587	0	15	30
35 387	180	404	670	1254	0	15	30
35 388	34	201	575	810	0	60	100
35 389	0	70	378	448	242	25	50
35 390	20	34	352	406	0	25	50
35 391	20	345	2481	2846	0	60	60
35 392	103	661	2091	2855	471	60	60
35 393	444	331	458	1233	1209	75	150
35 394	549	663	266	1478	0	70	150
35 395	20	52	217	289	0	70	150
35 396	0	184	299	483	919	25	50

51 529	51	259	1028	1338	0	0	0
51 530	20	965	1159	2144	0	0	0
51 531	0	11	49	60	0	0	0
51 532	31	115	523	669	0	0	0
51 533	0	69	313	382	0	0	0
42 534	2322	805	1736	4863	1002	0	0
41 535	252	805	1516	2573	0	100	0
41 536	404	736	884	2024	760	70	0
42 537	2019	748	1248	4015	0	0	0
52 538	758	91	586	1435	0	0	0
52 539	20	0	125	145	0	0	0
52 540	40	207	348	595	249	0	0
52 541	31	230	301	562	1375	0	0
52 542	40	345	627	1012	559	0	0
52 543	40	173	238	451	0	0	0
52 544	101	316	599	1016	1031	30	75
52 545	42	230	617	889	135	30	75
52 546	71	265	2144	2480	6040	40	75
52 547	60	460	284	804	0	40	75
52 548	302	690	1097	2089	83	50	170
52 549	302	345	640	1287	2476	0	0
52 550	31	230	482	743	340	0	0
52 551	31	437	332	800	242	0	0
52 552	91	245	245	581	0	0	0
52 553	91	173	347	611	0	0	0
52 554	101	288	320	709	0	0	0
41 555	81	115	174	370	0	0	0
41 556	101	230	401	732	0	0	0
41 557	807	920	760	2487	0	0	0
41 558	22	58	243	323	1507	0	0
41 559	908	1035	506	2449	0	70	0
41 560	252	173	145	570	0	70	0
41 561	101	230	359	690	0	70	0
34 562	571	277	180	1028	0	0	0
34 563	205	716	339	1260	0	0	0
34 564	147	457	387	991	0	0	0
34 565	0	139	332	471	3089	80	0
34 566	0	115	397	512	0	25	0
34 567	22	81	139	242	0	25	0
35 568	121	115	382	618	0	15	0
41 569	252	345	644	1241	367	80	0
41 570	302	427	494	1223	0	25	50
41 571	60	115	252	427	0	25	50
41 572	31	173	93	297	0	25	50
41 573	31	115	97	243	0	25	50
41 574	152	460	62	674	0	25	50
41 575	60	288	567	915	0	25	50
40 576	20	230	316	566	0	100	150
40 577	31	115	6240	6386	151	100	150
40 578	152	34	2493	2679	0	100	150
52 579	15	56	1301	1372	0	0	0
52 580	152	404	1154	1710	0	0	0
52 581	172	404	1622	2198	0	120	250
52 582	111	633	1470	2214	1367	20	150
52 583	51	345	1528	1924	0	20	20
40 584	116	29	538	683	0	15	30
40 585	51	115	915	1081	0	15	30
40 586	12	115	4006	4133	15301	100	150
40 587	51	115	14045	14211	561	100	150
41 588	404	404	250	1058	0	20	30
41 589	202	288	724	1214	0	25	50
41 590	101	115	610	826	0	25	50
41 591	0	34	42	76	0	25	50
41 592	5	34	181	220	692	25	50
41 593	81	173	358	612	251	25	50
36 594	101	91	127	319	0	25	50

36 595	223	189	31	443	0	25	50
36 596	1010	460	440	1910	0	0	0
36 597	239	216	405	860	0	15	30
36 598	251	189	439	879	591	0	0
36 599	787	399	156	1342	0	0	0
36 600	525	91	267	883	0	0	0
36 601	302	1610	1470	3382	0	0	0
36 602	51	173	503	727	0	30	70
36 603	91	436	1104	1631	0	347	391
36 604	0	0	113	113	0	15	30
36 605	11	1940	1194	3145	0	180	447
36 606	433	1117	1408	2958	557	18	73
39 607	24	115	290	429	828	0	0
39 608	11	24	263	298	1360	0	0
39 609	26	115	364	505	0	20	30
39 610	51	58	315	424	1808	15	30
39 611	0	24	212	236	1313	10	40
37 612	250	569	2354	3173	0	133	274
37 613	3420	42	197	3659	0	20	77
37 614	0	22	32	54	0	10	20
37 615	15	5	20	40	0	129	129
38 616	0	0	158	158	0	700	73
38 617	651	478	632	1761	0	18	73
38 618	100	41	296	437	0	52	206
38 619	10	54	148	212	0	33	131
39 620	91	56	620	767	0	12	48
39 621	0	17	48	65	0	20	40
39 622	31	24	216	271	0	15	30
52 623	51	230	183	464	0	50	120
39 624	40	184	585	809	0	12	48
39 625	0	0	1533	1533	0	15	38
39 626	0	17	1842	1859	0	4	18
39 627	0	0	19	19	0	50	200
38 628	0	124	197	321	0	173	245
38 629	0	96	642	738	0	200	800
38 630	0	42	1466	1508	6980	145	582
38 631	20	186	691	897	584	123	492
37 632	0	1172	237	1409	0	300	500
37 633	0	0	25	25	0	300	666
38 634	0	207	469	676	0	200	800
38 635	0	0	148	148	0	320	349
38 636	40	207	59	306	0	392	531
38 637	19	37	44	100	0	370	413
39 638	0	71	2958	3029	0	186	312
39 639	0	0	1023	1023	0	15	38
39 640	0	4	161	165	0	237	262
38 641	50	310	2848	3208	0	53	140
38 642	10	124	938	1072	0	400	600
38 643	115	481	395	991	0	200	800
38 644	105	880	839	1824	0	200	800
38 645	50	828	1663	2541	0	496	650
38 646	50	517	740	1307	0	364	598
38 647	42	517	1565	2124	0	289	404
38 648	21	414	1103	1538	0	200	800
38 649	30	207	5118	5355	0	428	504
38 650	0	724	1910	2634	0	398	409
38 651	0	480	938	1418	0	200	451
38 652	0	517	839	1356	0	491	594
38 653	0	0	2594	2594	0	345	414
38 654	0	166	494	660	0	453	646
38 655	32	1956	494	2482	0	200	800
38 656	11	517	2650	3178	0	414	454
39 657	0	115	2586	2701	0	247	302
39 658	11	139	74	224	0	77	176
52 659	101	345	600	1046	0	25	75
52 660	96	79	62	237	0	25	75

39	661	35	18	446	499	0	61	191
38	662	60	0	10	70	0	148	178
38	663	15	160	649	824	0	345	414
38	664	0	124	3934	4058	0	400	564
38	665	0	155	494	649	0	239	669
37	666	0	25	2256	2281	0	130	275
53	667	77	261	3963	4301	0	251	396
53	668	38	144	497	679	0	130	275
53	669	144	725	9409	10278	0	46	182
53	670	67	56	1346	1469	0	360	488
54	671	0	34	433	467	0	30	120
54	672	14	24	185	223	0	10	10
53	673	86	112	1346	1544	0	111	446
53	674	74	447	6929	7450	387	272	383
53	675	202	748	3827	4777	0	228	348
55	676	96	67	248	411	0	75	150
55	677	15	76	561	652	0	10	10
54	678	75	434	1884	2393	0	44	44
55	679	48	129	440	617	0	10	10
55	680	31	345	652	1028	0	25	75
55	681	86	460	1364	1910	0	10	10
55	682	55	189	283	527	640	25	75
55	683	62	176	828	1066	954	50	150
55	684	91	333	1101	1525	0	25	150
55	685	0	0	209	209	123	25	150
55	686	0	24	769	793	0	25	50
55	687	15	58	2519	2592	467	25	50
55	688	63	131	678	872	0	50	100
57	689	61	362	3021	3444	0	50	100
55	690	138	285	1086	1509	0	50	100
55	691	117	208	840	1165	781	24	50
55	692	0	310	344	654	58	25	50
55	693	31	218	1483	1732	1092	25	50
55	694	33	210	574	817	1220	25	75
55	695	84	420	653	1157	218	25	25
56	696	107	299	508	914	106	10	20
56	697	0	144	411	555	0	0	0
56	698	40	1126	342	1508	0	25	50
56	699	20	189	1043	1252	0	25	50
56	700	284	352	801	1437	0	25	50
56	701	91	706	665	1462	0	25	50
57	702	28	300	683	1011	213	0	0
57	703	138	71	586	795	0	25	50
57	704	57	1700	2610	4367	435	10	20
57	705	19	113	502	634	0	10	20
57	706	11	248	188	447	283	20	25
57	707	0	0	30	30	0	20	25
57	708	0	121	268	389	1292	25	50
57	709	0	14	66	80	80	25	50
57	710	14	0	115	129	0	0	0
57	711	0	65	1622	1687	1883	0	0
57	712	785	321	1137	2243	0	25	0
57	713	132	149	1339	1620	0	15	0
57	714	36	47	106	189	0	25	0
57	715	12	69	1352	1433	0	25	0
56	716	101	555	3664	4320	0	50	75
56	717	19	725	1675	2419	0	100	200
56	718	34	438	1925	2397	0	100	200
56	719	103	976	5899	6978	0	100	200
56	720	244	948	1366	2558	0	100	200
56	721	37	723	2198	2958	0	50	100
56	722	32	437	1634	2103	691	50	100
56	723	363	540	1816	2719	368	25	50
56	724	20	115	459	594	0	25	50
56	725	56	121	280	457	0	0	0
50	726	0	24	146	170	0	0	0

50	727	5	139	622	766	0	0	0
50	728	0	0	33	33	0	0	0
50	729	0	34	237	271	0	0	0
56	730	0	0	231	231	0	25	0
56	731	0	62	970	1032	0	50	0
50	732	31	40	345	416	0	25	0
50	733	11	40	811	862	844	0	0
57	734	0	0	232	232	0	0	0
57	735	11	167	589	767	2513	0	0
58	736	36	11	390	437	0	0	0
58	737	0	0	56	56	0	50	100
58	738	14	230	620	864	0	50	100
58	739	0	248	4518	4766	11225	40	100
58	740	0	0	45	45	0	40	100
58	741	40	368	1643	2051	762	0	0
57	742	24	103	367	494	0	75	150
58	743	0	0	16	16	0	0	0
58	744	0	0	30	30	0	0	0
58	745	0	0	45	45	0	0	0
58	746	202	460	2144	2806	301	50	100
58	747	0	460	559	1019	0	0	0
58	748	40	345	740	1125	130	50	100
58	749	71	115	548	734	0	0	0
58	750	0	11	318	329	1404	0	0
58	751	20	11	187	218	0	0	0
58	752	0	11	44	55	0	0	0
58	753	0	24	291	315	2457	0	0
58	754	20	288	251	559	0	0	0
58	755	25	115	342	482	594	40	0
50	756	0	150	124	274	0	0	0
50	757	51	58	2347	2456	0	0	0
50	758	11	58	150	219	0	0	0
50	759	11	46	313	370	0	0	0
50	760	5	103	153	261	0	0	0
50	761	5	84	159	248	0	0	0
50	762	5	248	377	630	638	0	0
50	763	71	196	320	587	0	0	0
50	764	181	345	170	696	0	0	0
50	765	40	184	393	617	508	0	0
49	766	0	552	543	1095	600	0	0
49	767	5	288	252	545	0	0	0
49	768	0	0	77	77	0	0	0
49	769	0	46	252	298	0	0	0
50	770	91	230	915	1236	1669	0	0
50	771	229	184	693	1106	0	0	0
49	772	0	29	71	100	0	0	0
49	773	0	449	39	488	0	0	0
49	774	11	0	132	143	573	0	0
49	775	5	230	140	375	0	0	0
49	776	11	230	323	564	560	0	0
59	777	130	230	386	746	77	0	0
59	778	0	11	25	36	0	0	0
73	779	2927	2760	1599	7286	0	0	0
73	780	11	0	52	63	292	0	0
73	781	0	0	20	20	0	0	0
73	782	14	0	73	87	0	0	0
59	783	20	11	139	170	0	0	0
59	784	0	58	533	591	0	0	0
59	785	15	167	412	594	1386	0	0
59	786	28	93	469	590	3258	0	0
59	787	48	484	660	1192	1067	0	0
49	788	11	241	508	760	0	0	0
49	789	24	345	837	1206	5000	0	0
49	790	18	346	64	428	0	0	0
49	791	25	98	385	508	0	0	0
49	792	20	126	532	678	3850	0	0

49 793	51	404	875	1330	519	0	0
49 794	56	121	294	471	0	0	0
49 795	51	254	311	616	532	0	0
59 796	20	58	219	297	0	0	0
59 797	56	34	580	670	2722	0	0
59 798	93	180	372	645	665	0	0
59 799	24	345	381	750	0	0	0
59 800	15	0	165	180	0	0	0
59 801	24	46	262	332	606	0	0
59 802	0	0	300	300	608	0	0
49 803	41	966	400	1407	0	0	0
49 804	66	58	241	365	0	0	0
49 805	0	0	283	283	0	0	0
49 806	51	46	2072	2169	15851	0	0
48 807	0	404	140	544	0	0	0
48 808	0	0	175	175	0	0	0
48 809	0	0	0	0	0	0	0
48 810	0	267	288	555	0	0	0
48 811	44	0	0	44	1619	0	0
48 812	0	69	1783	1852	0	0	0
60 813	141	10	29	180	0	0	0
60 814	55	33	58	146	799	0	0
60 815	0	0	841	841	5558	0	0
60 816	175	69	0	244	0	0	0
60 817	11	24	0	35	0	0	0
60 818	0	0	455	455	1087	0	0
48 819	12	58	144	214	758	0	0
48 820	32	29	67	128	0	0	0
48 821	25	58	387	470	2724	0	0
48 822	0	81	100	181	0	0	0
48 823	11	58	122	191	0	0	0
61 824	152	115	26	293	0	0	0
61 825	101	69	181	351	0	0	0
61 826	0	60	43	103	0	0	0
61 827	53	90	66	209	3811	0	0
63 828	56	0	0	56	0	0	0
63 829	0	0	451	451	823	0	0
63 830	26	425	163	614	0	0	0
63 831	37	24	196	257	0	0	0
63 832	0	0	49	49	0	0	0
63 833	0	0	72	72	0	0	0
63 834	85	0	0	85	0	0	0
63 835	101	0	120	221	1218	0	0
61 836	0	0	0	0	0	0	0
61 837	0	0	0	0	0	0	0
61 838	0	0	0	0	0	0	0
62 839	0	44	0	44	415	0	0
62 840	0	0	342	342	0	0	0
62 841	0	0	0	0	0	0	0
64 842	0	0	0	0	0	0	0
64 843	0	0	0	0	0	0	0
64 844	18	0	0	18	0	0	0
64 845	18	0	0	18	0	0	0
64 846	80	5	0	85	0	0	0
66 847	41	0	0	41	0	0	0
66 848	27	0	0	27	0	0	0
64 849	18	0	0	18	0	0	0
64 850	0	0	0	0	0	0	0
64 851	0	0	0	0	0	0	0
64 852	0	0	0	0	0	0	0
66 853	14	0	0	14	0	0	0
65 854	48	150	372	570	1989	0	0
65 855	0	442	45	487	1997	0	0
65 856	0	0	0	0	0	0	0
63 857	0	93	140	233	0	0	0
63 858	32	172	260	464	0	0	0

63 859	17	0	380	397	1481	0	0
63 860	0	0	0	0	0	0	0
63 861	32	719	323	1074	0	0	0
65 862	0	460	135	595	0	0	0
65 863	0	27	100	127	0	0	0
65 864	0	106	467	573	0	0	0
65 865	62	0	100	162	0	0	0
69 866	11	11	251	273	0	0	0
69 867	31	0	515	546	1209	0	0
69 868	0	288	78	366	0	0	0
60 869	0	0	0	0	0	0	0
60 870	61	25	546	632	1122	0	0
60 871	0	299	53	352	0	0	0
60 872	43	0	344	387	0	0	0
69 873	0	207	0	207	0	0	0
69 874	31	138	286	455	0	0	0
71 875	0	258	330	588	194	0	0
71 876	0	1179	623	1802	0	0	0
71 877	0	505	208	713	0	0	0
71 878	0	98	0	98	0	0	0
71 879	20	0	521	541	211	0	0
71 880	31	105	280	416	174	0	0
71 881	32	386	1320	1738	0	0	0
71 882	0	68	3257	3325	16490	0	0
71 883	32	768	301	1101	806	0	0
71 884	25	24	105	154	0	0	0
71 885	60	142	1202	1404	0	0	0
71 886	0	48	0	48	0	0	0
71 887	51	178	963	1192	54	0	0
71 888	11	79	228	318	1171	0	0
72 889	0	0	0	0	218	0	0
72 890	0	0	0	0	0	0	0
72 891	0	249	0	249	0	0	0
72 892	101	107	4725	4933	0	0	0
73 893	29	80	144	253	0	0	0
73 894	12	0	29	41	0	0	0
73 895	22	173	337	532	0	0	0
73 896	11	34	217	262	0	0	0
73 897	20	51	119	190	0	0	0
73 898	0	0	19	19	0	0	0
73 899	0	0	69	69	0	0	0
72 900	0	274	1130	1404	0	0	0
72 901	81	121	1644	1846	835	0	0
74 902	283	690	3324	4297	0	0	0
73 903	0	3983	510	4493	0	0	0
73 904	0	0	137	137	0	0	0
73 905	0	0	0	0	155	0	0
58 906	319	730	5097	6146	521	75	150
58 907	11	230	0	241	0	0	0
58 908	0	58	217	275	0	0	0
74 909	192	621	1460	2273	0	0	0
74 910	14	85	199	298	0	0	0
74 911	20	58	333	411	1403	0	0
58 912	31	0	77	108	587	0	0
58 913	33	345	151	529	0	0	0
58 914	11	24	218	253	0	0	0
58 915	101	624	1195	1920	0	75	150
58 916	0	191	251	442	1491	50	100
58 917	0	0	118	118	881	0	0
58 918	0	0	44	44	0	0	0
58 919	0	0	79	79	0	0	0
58 920	161	18	231	410	0	0	0
74 921	0	11	79	90	0	170	0
74 922	0	0	0	0	0	0	0
74 923	25	0	156	181	299	0	0
74 924	11	0	242	253	924	0	0

74 925	0	0	0	0	0	0	0	0
75 926	0	0	318	318	0	0	0	0
75 927	0	0	0	0	0	0	0	0
75 928	20	58	0	78	0	0	0	0
74 929	7	0	64	71	0	0	0	0
74 930	8	17	219	244	0	0	0	0
74 931	16	0	76	92	0	0	0	0
74 932	0	0	372	372	2261	0	0	0
74 933	22	16	356	394	2040	0	0	0
75 934	32	24	330	386	1031	0	0	0
75 935	0	0	179	179	1118	0	0	0
75 936	31	575	774	1380	0	0	0	0
75 937	0	230	163	393	529	0	0	0
74 938	51	903	720	1674	0	0	0	0
74 939	0	0	69	69	0	0	0	0
74 940	20	760	295	1075	0	0	0	0
74 941	7	128	115	250	0	0	0	0
72 942	0	471	95	566	189	0	0	0
72 943	15	0	363	378	3029	0	0	0
72 944	81	17	174	272	0	0	0	0
72 945	16	24	176	216	734	0	0	0
72 946	710	254	0	964	0	0	0	0
72 947	0	1012	1381	2393	0	0	0	0
76 948	0	920	961	1881	95	0	0	0
76 949	0	0	221	221	1056	0	0	0
76 950	47	0	67	114	0	0	0	0
72 951	76	20	247	343	1054	0	0	0
72 952	0	91	271	362	0	0	0	0
72 953	0	0	0	0	0	0	0	0
71 954	18	123	240	381	0	0	0	0
71 955	202	232	154	588	0	0	0	0
72 956	29	0	311	340	1082	0	0	0
76 957	33	87	420	540	841	0	0	0
70 958	0	310	0	310	0	0	0	0
70 959	119	34	415	568	0	0	0	0
68 960	65	0	25	90	0	0	0	0
68 961	261	116	243	620	150	0	0	0
68 962	828	209	159	1196	0	0	0	0
69 963	20	173	372	565	1230	0	0	0
69 964	0	141	349	490	1543	0	0	0
69 965	13	0	39	52	0	0	0	0
65 966	59	64	145	268	0	0	0	0
65 967	0	0	40	40	0	0	0	0
65 968	0	0	0	0	0	0	0	0
65 969	60	0	747	807	0	0	0	0
68 970	0	0	214	214	0	0	0	0
68 971	564	183	1639	2386	0	0	0	0
68 972	67	207	211	485	0	0	0	0
68 973	17	0	47	64	0	0	0	0
68 974	7	0	0	7	0	0	0	0
67 975	0	0	0	0	0	0	0	0
67 976	23	0	0	23	0	0	0	0
66 977	0	0	0	0	0	0	0	0
66 978	21	0	0	21	0	0	0	0
66 979	33	0	0	33	0	0	0	0
67 980	66	0	15	81	0	0	0	0
82 981	152	46	11	209	0	0	0	0
82 982	88	0	5	93	0	0	0	0
67 983	68	0	4	72	0	0	0	0
67 984	65	0	3	68	0	0	0	0
68 985	39	13	64	116	0	0	0	0
68 986	53	0	3	56	0	0	0	0
82 987	78	0	0	78	0	0	0	0
79 988	69	0	4	73	0	0	0	0
70 989	52	0	0	52	0	0	0	0
68 990	48	0	89	137	0	0	0	0

70 991	17	0	0	17	0	0	0	0
70 992	0	0	0	0	0	0	0	0
79 993	271	0	43	314	0	0	0	0
70 994	32	0	385	417	3359	0	0	0
70 995	0	34	0	34	0	0	0	0
70 996	0	0	86	86	0	0	0	0
68 997	5	0	0	5	0	0	0	0
70 998	129	0	0	129	0	0	0	0
70 999	0	0	129	129	0	0	0	0
701000	0	0	215	215	0	0	0	0
701001	17	34	266	317	922	0	0	0
791002	24	0	407	431	1061	0	0	0
791003	8	58	103	169	0	0	0	0
791004	0	166	289	455	2900	0	0	0
791005	0	0	1640	1640	0	0	0	0
761006	452	1099	1206	2757	95	0	0	0
761007	101	24	219	344	0	0	0	0
761008	17	0	400	417	1585	0	0	0
761009	11	0	188	199	0	0	0	0
761010	0	24	315	339	593	0	0	0
761011	415	633	981	2029	697	0	0	0
761012	11	160	260	431	0	0	0	0
751013	11	230	246	487	0	0	0	0
751014	31	575	280	886	758	0	0	0
751015	172	575	747	1494	0	0	0	0
771016	0	345	195	540	0	0	0	0
751017	20	173	357	550	0	0	0	0
751018	60	0	255	315	318	0	0	0
751019	0	0	26	26	0	0	0	0
751020	15	17	168	200	234	0	0	0
751021	60	0	359	419	1554	0	0	0
751022	0	34	91	125	0	0	0	0
751023	31	0	0	31	0	0	0	0
751024	11	46	992	1049	0	0	0	0
771025	0	0	0	0	0	0	0	0
771026	36	29	144	209	1339	0	0	0
771027	24	0	79	103	0	0	0	0
771028	25	0	463	488	0	0	0	0
771029	16	0	173	189	497	0	0	0
771030	8	13	195	216	831	0	0	0
771031	0	230	320	550	0	0	0	0
771032	33	0	0	33	0	0	0	0
771033	0	0	0	0	0	0	0	0
771034	40	0	0	40	0	0	0	0
771035	0	0	19	19	0	0	0	0
771036	20	0	226	246	0	0	0	0
771037	0	0	261	261	1017	0	0	0
771038	33	112	140	285	0	0	0	0
771039	0	0	413	413	1956	0	0	0
771040	0	173	72	245	0	0	0	0
771041	35	1314	512	1861	926	0	0	0
781042	11	3450	596	4057	0	0	0	0
781043	0	46	440	486	0	0	0	0
781044	81	460	120	661	0	0	0	0
791045	99	58	285	442	0	0	0	0
791046	34	13	315	362	985	0	0	0
791047	36	10	36	82	0	0	0	0
791048	91	0	4	95	0	0	0	0
791049	45	10	0	55	0	0	0	0
821050	68	0	448	516	0	0	0	0
821051	112	10	30	152	0	0	0	0
821052	354	69	57	480	0	0	0	0
811053	252	0	39	291	0	0	0	0
811054	606	16	195	817	0	0	0	0
811055	183	52	83	318	0	0	0	0
811056	78	65	223	366	2084	0	0	0

811057	204	9	16	229	0	0	0
801058	69	0	4	73	0	0	0
801059	183	33	11	227	0	0	0
801060	58	41	48	147	0	0	0
801061	294	30	83	407	0	0	0
781062	11	98	439	548	1926	0	0
781063	111	58	125	294	0	0	0
781064	140	90	61	291	329	0	0
781065	103	0	25	128	0	0	0
781066	12	0	0	12	0	0	0
781067	48	52	305	405	0	0	0
771068	0	0	0	0	0	0	0
771069	101	0	0	101	0	0	0
771070	31	0	242	273	0	0	0
771071	0	0	0	0	0	0	0
771072	0	0	19	19	0	300	0
881073	36	18	10	64	0	0	0
861074	0	0	82	82	0	0	0
861075	31	0	0	31	0	0	0
861076	106	10	100	216	0	0	0
861077	16	11	98	125	0	0	0
861078	125	579	8383	9087	322	0	0
861079	9	20	212	241	1062	0	0
861080	52	56	184	292	0	0	0
801081	258	101	19	378	0	0	0
851082	136	144	206	486	687	0	0
851083	15	91	296	402	898	0	0
851084	0	0	0	0	0	0	0
851085	38	291	256	585	0	0	0
811086	198	0	41	239	0	0	0
841087	11	0	19	30	0	0	0
811088	45	0	6	51	0	0	0
841089	98	39	328	465	1932	0	0
841090	154	0	159	313	805	0	0
811091	101	0	130	231	0	0	0
811092	374	58	41	473	0	0	0
841093	202	0	34	236	227	0	0
831094	111	0	51	162	0	0	0
831095	152	29	23	204	0	0	0
831096	202	0	42	244	0	0	0
831097	0	0	29	29	0	0	0
831098	51	0	18	69	54	0	0
831099	71	0	30	101	0	0	0
831100	164	13	52	229	0	0	0
871101	65	13	36	114	0	0	0
871102	101	25	84	210	51	0	0
871103	154	288	62	504	0	0	0
871104	152	115	155	422	0	0	0
871105	11	11	36	58	0	0	0
871106	51	9	122	182	0	0	0
871107	20	29	181	230	826	0	0
871108	0	0	0	0	0	0	0
841109	152	11	262	425	1213	0	0
841110	101	103	146	350	0	0	0
841111	202	437	250	889	612	0	0
841112	71	207	342	620	624	0	0
841113	252	34	113	399	0	0	0
841114	65	11	206	282	623	0	0
841115	20	322	1336	1678	1090	0	0
841116	74	404	134	612	0	0	0
851117	33	322	206	561	0	0	0
851118	0	776	497	1273	0	0	0
841119	74	126	446	646	125	0	0
841120	51	501	1366	1918	0	0	0
841121	270	160	395	825	236	0	0
851122	24	102	144	270	0	0	0

871123	11	141	25	177	0	0	0
871124	0	46	13	59	0	0	0
871125	0	0	24	24	0	0	0
871126	0	0	49	49	0	0	0
871127	0	0	38	38	0	0	0
871128	0	0	0	0	0	0	0
871129	0	0	0	0	0	0	0
871130	25	0	271	296	2353	0	0
871131	5	0	38	43	0	0	0
871132	11	0	0	11	0	0	0
851133	15	0	6	21	0	0	0
851134	15	0	0	15	0	0	0
851135	27	34	112	173	0	0	0
851136	25	0	508	533	2647	0	0
851137	0	242	567	809	1267	0	0
851138	11	0	115	126	0	0	0
851139	0	0	0	0	0	0	0
861140	15	11	13	39	0	0	0
851141	0	0	0	0	0	0	0
851142	34	58	207	299	0	0	0
851143	41	0	0	41	0	0	0
851144	0	0	95	95	0	0	0
851145	11	0	0	11	0	0	0
851146	5	0	0	5	0	0	0
871147	0	0	0	0	0	0	0
871148	0	0	0	0	0	0	0
871149	0	0	0	0	0	0	0
871150	0	0	0	0	0	0	0
871151	11	0	0	11	0	0	0
871152	11	0	0	11	0	0	0
871153	11	0	0	11	0	0	0
871154	11	0	0	11	0	0	0
871155	0	0	0	0	0	0	0
871156	0	0	0	0	0	0	0
871157	0	0	0	0	0	0	0
881158	91	0	416	507	0	0	0
881159	25	0	0	25	0	300	0
11160	0	2	16	18	0	0	0
11161	12	437	1260	1709	0	0	0
11162	81	1209	857	2147	659	0	0
11163	11	58	208	277	0	0	0
11164	12	345	497	854	110	0	0
11165							
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3 37	2A+	17100	100	PORT OF MIAMI	
3 37	2A+	3200	100	PORT OF MIAMI	
3 37	2A+	2000	100	PORT OF MIAMI	
3 2	3A+	9800	100	SOUTH BEACH POINTE	
3 2	6A+	5100	100	SOUTH BEACH	
3 2	12A+	10200	100	LUMMUS PARK	
3 2	13A+	10100	100	LUMMUS PARK	
3 2	21A+	5200	100	MIAMI BEACH CONV CENTER	
3 2	21A+	400	100	MIAMI BEACH CONV CENTER	
3 2	21A+	300	100	MIAMI BEACH CONV CENTER	
3 4	41A+	84900	100	SHOPS OF BAL HARBOR	
3 5	48A+	5000	100	HAULOVER BEACH	
3 7	66A+362000	100	100	AVENTURA MALL	
3 8	80A+	58700	100	SKYLAKE MALL	
3 11	126A+	12600	100	CALDER RACE TRACK	
3 11	182A+	10300	50	50	PENSUCO/MEDLEY AREA
3 29	202A+133500	100	100	WESTLAND MALL	
3 29	222A+	40300	100	PALM SPRINGS - SOUTH	
3 29	223A+	69500	100	PALM SPRINGS - NORTH	
3 21	256A+	9800	100	AMELIA BARNHART PARK	
3 26	278A+	79200	100	N'SIDE & 79TH STREET SC	
3 23	324A+173600	100	100	163RD STREET MALL	
3 17	483A+268200	100	100	INTERNATIONAL MALL	
3 43	495A+138200	100	100	MALL OF THE AMERICAS	
3 42	517AT129800	100	100	MIA -TERMINAL & SE AREA	
3 42	517AT 25700	100	100	MIA -TERMINAL & SE AREA	
3 42	517AT 17000	100	100	MIA -TERMINAL & SE AREA	
3 51	531A+	3700	100	MEL REESE/GRAPELAND PK	
3 37	605A+	94700	100	OMNI MALL	
3 37	614A+	4900	100	WATSON ISLAND	
3 37	615A+	1000	100	BICENTENIAL PARK	
3 38	616A+	13300	100	MIAMI ARENA	
3 37	632A+	82700	100	BAYSIDE SHOPPING CTR	
3 37	632A+	5200	100	BAYSIDE SHOPPING CTR	
3 37	632A+	4000	100	BAYSIDE SHOPPING CTR	
3 37	633A+	2400	100	BAYFRONT PARK	
3 49	767A+	49000	100	WESTCHESTER MALL	
3 49	773A+	35000	100	WESTCHESTER SC	
3 49	778A+	7300	100	TROPICAL PARK	
3 49	803A+	44300	100	CONCORD SC	
3 71	876A+	87800	100	KENDALL TOWN & COUNTRY	
3 73	903A+344900	100	100	DADELAND MALL	
3 74	921A+	7400	100	MATHESON/FAIRCHILD	
3 72	947A+188900	100	100	THE FALLS MALL	
3 70	999A+	24600	100	METROZOO	
3 781042A+211400	100	100	100	CUTLER RIDGE MALL	
3 771071A+	2000	100	100	SOUTH DADE LANDFILL	
3 771072A+	2400	100	100	BLACK POINT MARINA	
3 831100A+	6100	100	100	EVERGLADES NAT'L PARK	
3 881159A+	2400	100	100	BISCAYNE NAT'L PARK	
3 11160A+	1200	100	100	CAPE FLORIDA ST PARK	
3 11163A+	12300	100	100	CRANDON PARK	
3 11164A+	8800	100	100	MIAMI SEAQUARIUM	

4 901180 21600	COLLINS AVE/A1A
4 911181 35400	BISCAYNE BLVD/U.S.1 - NORTH
4 911182 0	RESERVED FOR FUTURE USE
4 911183 14400	DIXIE HIGHWAY
4 911184 6300	HIGHLAND OAKS BLVD
4 911185146700	I-95
4 921186 5900	N.E. 12 AVE
4 921187 6100	N.E. 2 AVE/S.W. 56 AVE
4 921188 40700	N.W. 2 AVE/U.S.441/S.R.7
4 921189 61200	FLORIDA'S TURNPIKE
4 931190 45400	N.W. 27 AVE/UNIVERSITY DR
4 931191 9400	N.W. 37 AVE/DOUGLAS RD
4 931192 13500	N.W. 47 AVE/PALM AVE
4 931193 17200	N.W. 57 AVE/HIATUS RD
4 931194 12200	N.W. 67 AVE/FLAMINGO RD
4 931195 0	RESERVED FOR FUTURE USE
4 941196 53600	I-75
4 941197 7600	U.S.27
4 951198 4300	U.S.41/TAMIAMI TRAIL
4 961199 12100	U.S.1 - SOUTH
4 961200 3100	CARD SOUND RD

&NAME	NAME OF STUDY
MUATS	
&MOBILE	DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
/fsutms/	
&IMFAC	INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.80000	
&EMISFAC	FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95784	
&FSUTMS	DIRECTORY WHERE SCRIPT FILES ARE LOCATED
/miamiscr/	
&AVEZONE	NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1	
&TRANZONE	TRANSIT ACCESS ANALYSIS ZONE
642	
&ZONESI	INTERNAL ZONES
1179	
&ZONESA	TOTAL ZONES
1200	
&DISTRICT	NUMBER OF PLANNING DISTRICTS
96	
&SUPERDIST	NUMBER OF SUPER DISTRICTS
26	
&CBDZONE	THE CBD ZONES
642	
&SELDEST	SELECTED DESTINATION ZONES
1-1179	
&TERM1	TERMINAL TIME FOR CBD
5	
&TERM2	TERMINAL TIME FOR FRINGE
2	
&TERM3	TERMINAL TIME FOR RESIDENTIAL
1	
&TERM4	TERMINAL TIME FOR OBD
3	
&TERM5	TERMINAL TIME FOR RURAL
1	
&NODES	MAXIMUM NUMBER OF NODES IN HWY NET
9999	
&UNITS	UNITS PER MILE
5280	
&CONFAC	FOR CAPACITY CONSTRAINT
0.10	
&CAPFAC	FOR PLOTTING LOS E
0.10	
&ITER	MAXIMUM EQUILIBRIUM ITERATIONS
10	
&UROADF	UROAD CAPACITY FACTOR
0.75	
&DAMPING	DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN ITERATIONS
0.5	
&CTOLL	COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.06	
&TOLLS1	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.10	
&TOLLS2	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.15	
&TOLLS3	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.20	
&TOLLS4	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.25	
&TOLLS5	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.30	
&TOLLS6	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.35	
&TOLLS7	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY

1.00	
&TOLLS8	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.001	
&TOLLS9	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS10	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS11	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS12	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS13	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS14	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS15	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS16	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS17	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS18	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS19	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&TOLLS20	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT1	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.10	
&SERVT2	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.15	
&SERVT3	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.20	
&SERVT4	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.25	
&SERVT5	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.30	
&SERVT6	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.35	
&SERVT7	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
1.00	
&SERVT8	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.001	
&SERVT9	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT10	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT11	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT12	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT13	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT14	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT15	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT16	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT17	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT18	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT19	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY
0.00	
&SERVT20	NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM CONTINUITY

0.00
 &MAXTIM
 70
 &ATITER NUMBER OF GMODEL ITERATIONS
 7
 &AOFAC1 AUTO OCC FOR HBW
 0.7936
 &AOFAC2 AUTO OCC FOR HBSH
 0.5747
 &AOFAC3 AUTO OCC FOR HBSR
 0.5747
 &AOFAC4 AUTO OCC FOR HBO
 0.5747
 &AOFAC5 AUTO OCC FOR NHB
 0.5917
 &UNCONNECT MAXIMUM TRANSIT TIME
 255
 &NUMFARE MAXIMUM NUMBER OF FARE CATEGORES
 8
 &HOV SWITCH FOR HOV TYPE
 TYPE2
 &HOV1 IDENTIFIES CRITERIA FOR HOV ONLY TRIPS
 HOV LINKS, ASSIGNMENT GROUP = 8
 &HOV2 IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
 SELECTED PURPOSES = 1-2
 &HOV3 FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
 ADD PURPOSES = 1-2
 &PERIOD
 24
 &PLOTTER
 HP7595
 &PLOTPENS
 8
 &PLOTSIZE
 22
 &PAPER
 NORMALD
 &PLOTFAC
 5286
 &MINX OVERALL MINIMUM X COORDINATE
 649539
 &MAXX OVERALL MAXIMUM X COORDINATE
 789917
 &MINY OVERALL MINIMUM Y COORDINATE
 388039
 &MAXY OVERALL MAXIMUM Y COORDINATE
 599327
 &MINXA
 737700
 &MAXXA
 754600
 &MINYA
 503400
 &MAXYA
 517100
 &NAMEB
 SOUTH DADE (B)
 &MINXB
 651500
 &MAXXB
 726578
 &MINYB
 388998
 &MAXYB
 440267
 &NAMEM

MIC/INTERCON (M)
 &MINXM
 737179
 &MAXXM
 747188
 &MINYM
 526126
 &MAXYM
 539457
 &NAMEP
 NORTH/BEACH CORR (P)
 &MINXP
 758568
 &MAXXP
 790000
 &MINYP
 512242
 &MAXYP
 599327
 &NAMEQ
 EAST/WEST CORRIDOR(Q)
 &MINXQ
 695499
 &MAXXQ
 768600
 &MINYQ
 506680
 &MAXYQ
 543105
 &NAMER
 DOWNTOWN MIAMI (R)
 &MINXR
 759437
 &MAXXR
 772828
 &MINYR
 519850
 &MAXYR
 530700
 &NAMES
 KENDALL/SOUTH CORR(S)
 &MINXS
 675300
 &MAXXS
 753017
 &MINYS
 432614
 &MAXYS
 511373
 &NAMET
 WEST CENTRAL AREA (T)
 &MINXT
 667673
 &MAXXT
 720591
 &MINYT
 462676
 &MAXYT
 530510
 &NAMEU
 NW/PALMETTO CORR (U)
 &MINXU
 695449
 &MAXXU
 771069
 &MINYU

523788
 &MAXYU
 590327
 &NAMEV
 I95/NORTH CORRIDOR (V)
 &MINXV
 740476
 &MAXXV
 774000
 &MINYV
 524907
 &MAXYV
 599327
 &MINXW
 649400
 &MAXXW
 790000
 &MINYW
 525000
 &MAXYW
 600000
 &NAMEZ
 SUNPIKE/27TH AVB (Z)
 &MINXZ
 729900
 &MAXXZ
 769100
 &MINYZ
 530800
 &MAXYZ
 583800
 &NAME1
 SW (1)
 &MINX1
 649500
 &MAXX1
 725000
 &MINY1
 388000
 &MAXY1
 494000
 &NAME2
 NW (2)
 &MINX2
 649500 -WAS 649500
 &MAXX2
 725000
 &MINY2
 493400
 &MAXY2
 599400
 &NAME3
 NE (3)
 &MINX3
 724500
 &MAXX3
 800000
 &MINY3
 493400
 &MAXY3
 599400
 &NAME4
 SE (4)
 &MINX4
 724500
 &MAXX4

800000
 &MINY4
 388000
 &MAXY4
 494000
 &MAXUTIL
 0.75
 &QUEMAX
 100
 &QUEBLIM
 4.9
 &NUMFARE
 9
 &TOLLFM
 TOLL FACILITIES MODEL
 &MULTSQ
 MULTIPLE SERVER QUEUES
 &GMTIME
 TIME2
 &CITYCODE
 MIA
 &TITLE
 1990 -- TEST
 &MAXD Maximum sidewalk area around stations
 0.4
 &TERM Auto access terminal time (home end)
 2.0
 &DEF Default auto access time
 2.0
 &NOPT Usage check on second auto connector
 1
 &BACK Backtrack flag for auto connector
 1
 &AOC Auto operating costs
 9.5
 &OC3 Average 3+ auto occupancy
 3.20 3.20 3.20 3.20 3.20
 &OCTA Average park/ride auto occupancy
 1.2 1.2 1.2
 &TASPD Average auto access speed
 26.0 26.0
 &MINRUN1 Minimum walk-to-local run time
 3.0
 &MINRUN2 Minimum walk-to-premium run time
 3.0
 &MINRUN3 Minimum auto-to-local run time
 30.0
 &MINRUN4 Minimum auto-to-premium run time
 6.0
 &INFL1 Transit fare inflation
 1.0
 &INFL2 Auto operating cost inflation
 1.0
 &INFL3 Parking cost inflation
 1.0
 &MSMIN Minimum mode split
 0.01 0.01 0.01
 &HOVUSE HOV usage flag
 2
 &HOVMIN HOV minimum time
 3.0
 &RAILAC Station walk access impedance flag
 0
 &VAL Validation summary flag
 0
 &KRFAC Kiss/ride additional impedance factor

1.50
&JITNEY Jitney flag (0=none, 1=base, 2=alt)
1
&VERS Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS Default Regional Mode Splits
0.07770 0.02970 0.02970
&DEFUPD Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE TRI RAIL EXTERNAL ZONE
1165
&MAXTIME
120
&ROTANG
270
&PORTRAIT
270
&LANDSCAPE
0
&ROTANGW
180
&PLT
plt
&ASCII
YES

495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523

.89	.11	.00	.00	.00
.76	.22	.02	.00	.00
.59	.34	.05	.01	.01
.45	.42	.07	.03	.03
.32	.50	.09	.05	.04
.28	.44	.13	.08	.07
.22	.40	.17	.11	.10
.18	.37	.18	.13	.14
.13	.34	.18	.16	.19
.12	.29	.18	.17	.24
.08	.24	.20	.20	.28
.05	.20	.19	.23	.33
.04	.16	.17	.24	.39
.02	.15	.14	.21	.48
.01	.15	.13	.17	.54
.00	.05	.07	.14	.74
.00	.00	.02	.05	.93

-TRTAXI

0.050 0.050

-EXT

1180	0.45	0.20	0.05	0.45	0.20	0.10
1181	0.45	0.20	0.05	0.45	0.20	0.10
1182	0.45	0.20	0.05	0.45	0.20	0.10
1183	0.45	0.20	0.05	0.45	0.20	0.10
1184	0.45	0.20	0.05	0.45	0.20	0.10
1185	0.45	0.20	0.05	0.45	0.20	0.10
1186	0.45	0.20	0.05	0.45	0.20	0.10
1187	0.45	0.20	0.05	0.45	0.20	0.10
1188	0.45	0.20	0.05	0.45	0.20	0.10
1189	0.45	0.20	0.05	0.45	0.20	0.10
1190	0.45	0.20	0.05	0.45	0.20	0.10
1191	0.45	0.20	0.05	0.45	0.20	0.10
1192	0.45	0.20	0.05	0.45	0.20	0.10
1193	0.45	0.20	0.05	0.45	0.20	0.10
1194	0.45	0.20	0.05	0.45	0.20	0.10
1195	0.45	0.20	0.05	0.45	0.20	0.10
1196	0.45	0.20	0.05	0.45	0.20	0.10
1197	0.45	0.20	0.05	0.45	0.20	0.10
1198	0.45	0.20	0.05	0.45	0.20	0.10
1199	0.45	0.20	0.05	0.45	0.20	0.10
1200	0.45	0.20	0.05	0.45	0.20	0.10



1	1	1	.45	.30	.20	.20
1	1	2	.40	.30	.30	.25
1	1	3	.25	.30	.60	.50
1	2	11.01	.80	.65	.60	
1	2	21.21	.50	.65	.80	
1	2	3	.25	.30	.60	.50
1	3	11.35	.90	.85	.70	
1	3	21.48	.65	.75	.95	
1	3	3	.25	.30	.60	.50
2	1	11.01	.35	.25	.30	
2	1	2	.70	.35	.35	.45
2	1	3	.201.301.651.20			
2	2	11.601.05	.851.10			
2	2	21.551.251.051.20				
2	2	3	.201.301.651.20			
2	3	12.451.251.051.20				
2	3	22.751.401.201.50				
2	3	3	.201.301.651.20			
3	1	11.53	.40	.30	.55	
3	1	21.40	.40	.40	.70	
3	1	3	.152.002.702.10			
3	2	12.361.201.101.85				
3	2	22.361.501.451.60				
3	2	3	.152.002.702.10			
3	3	13.301.451.302.20				
3	3	23.201.651.652.30				
3	3	3	.152.002.702.10			
4	1	11.93	.45	.401.00		
4	1	21.67	.45	.451.10		
4	1	3	.102.503.903.30			
4	2	12.721.301.352.75				
4	2	22.611.651.902.10				
4	2	3	.102.503.903.30			
4	3	13.441.601.653.55				
4	3	23.711.852.203.40				
4	3	3	.102.503.903.30			
5	1	12.45	.45	.451.60		
5	1	21.89	.45	.551.70		
5	1	3	.102.905.904.40			
5	2	13.221.301.703.95				
5	2	22.881.702.653.00				
5	2	3	.102.905.904.40			
5	3	14.251.702.105.35				
5	3	24.181.953.054.65				
5	3	3	.102.905.904.40			

-0.0450	-0.0350	-0.0450	01 TRANSIT WALK TIME, HIGHWAY TERMINAL TIME
-0.0200	-0.0150	-0.0180	02 TRANSIT AUTO ACCESS TIME
-0.0200	-0.0150	-0.0180	03 TRANSIT RUN TIME, HIGHWAY RUN TIME
-0.0450	-0.0350	-0.0450	04 TRANSIT FIRST WAIT < 7 MIN
-0.0230	-0.0350	-0.0450	05 TRANSIT FIRST WAIT > 7 MIN
-0.0450	-0.0350	-0.0450	06 TRANSIT TRANSFER TIME
-0.0450	-0.0350	-0.0450	07 TRANSIT NUMBER OF TRANSFERS
-0.0032	-0.0048	-0.0048	08 TRANSIT FARE
-0.0025	-0.0048	-0.0048	09 HIGHWAY AUTO OPERATING COSTS
-0.0032	-0.0048	-0.0048	10 HIGHWAY PARKING COSTS
-0.0180	-0.0150	-0.0180	11 HOV TIME DIFFERENCE
		-1.3841	12 WALK TO LOCAL TRANSIT MODAL CONSTANT
1.5733	1.4040		13 - FOR ZERO CAR HOUSEHOLDS
-0.8059	-1.5391		14 - FOR ONE CAR HOUSEHOLDS
-1.8600	-2.0048		15 - FOR TWO+ CAR HOUSEHOLDS
1.1000	1.1000	1.0000	16 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	17 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	18 - FOR EXURBAN PRODUCTIONS
		-1.1152	19 WALK TO PREMIUM TRANSIT MODAL CONSTANT
1.8799	2.1025		20 - FOR ZERO CAR HOUSEHOLDS
-0.5462	-0.7756		21 - FOR ONE CAR HOUSEHOLDS
-1.3296	-1.4942		22 - FOR TWO+ CAR HOUSEHOLDS
1.1000	1.1000	1.0000	23 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	24 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	25 - FOR EXURBAN PRODUCTIONS
		-1.5225	26 PARK-RIDE TRANSIT MODAL CONSTANT
-5.6336	-5.6336		27 - FOR ZERO CAR HOUSEHOLDS
-1.0134	-1.1512		28 - FOR ONE CAR HOUSEHOLDS
-1.3476	-1.8988		29 - FOR TWO+ CAR HOUSEHOLDS
1.2000	1.2000	1.1000	30 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	31 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	32 - FOR EXURBAN PRODUCTIONS
		-2.0465	33 KISS-RIDE TRANSIT MODAL CONSTANT
-5.6336	-5.6336		34 - FOR ZERO CAR HOUSEHOLDS
-1.2428	-1.4833		35 - FOR ONE CAR HOUSEHOLDS
-1.7196	-2.2189		36 - FOR TWO+ CAR HOUSEHOLDS
1.2000	1.2000	1.1000	37 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	38 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	39 - FOR EXURBAN PRODUCTIONS
		-1.5041	40 JITNEY MODAL CONSTANT
1.5426	1.3313		41 - FOR ZERO CAR HOUSEHOLDS
-0.7573	-1.5499		42 - FOR ONE CAR HOUSEHOLDS
-1.5328	-1.9090		43 - FOR TWO+ CAR HOUSEHOLDS
1.1000	1.1000	1.0000	44 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	45 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	46 - FOR EXURBAN PRODUCTIONS
			47 ONE PER VEHICLE HIGHWAY MODAL CONSTANT
			48 - FOR ZERO CAR HOUSEHOLDS
			49 - FOR ONE CAR HOUSEHOLDS
			50 - FOR TWO+ CAR HOUSEHOLDS
			51 - FOR DOWNTOWN ATTRACTIONS
			52 - FOR EXURBAN PRODUCTIONS
			53 - FOR EXURBAN PRODUCTIONS
		0.6245	54 TWO PER VEHICLE HIGHWAY MODAL CONSTANT
1.0895	0.2189		55 - FOR ZERO CAR HOUSEHOLDS
-0.9007	0.4341		56 - FOR ONE CAR HOUSEHOLDS
-1.1427	1.0473		57 - FOR TWO+ CAR HOUSEHOLDS
0.5000	0.0000	0.0000	58 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	59 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	60 - FOR EXURBAN PRODUCTIONS
		0.4193	61 THREE+ PER VEHICLE HIGHWAY MODAL CONSTANT
0.8036	-0.8135		62 - FOR ZERO CAR HOUSEHOLDS
-1.1179	-0.1813		63 - FOR ONE CAR HOUSEHOLDS
-1.3589	1.1211		64 - FOR TWO+ CAR HOUSEHOLDS
0.5000	0.0000	0.0000	65 - FOR DOWNTOWN ATTRACTIONS
0.0000	0.0000	0.0000	66 - FOR EXURBAN PRODUCTIONS

0.0000	0.0000	0.0000	67 - FOR EXURBAN PRODUCTIONS
0.0000	0.0000	0.0000	68 SUBPURP: 1/VEH, 0 CAR
0.0000	0.0000	0.0000	69 SUBPURP: 1/VEH, 1 CAR
0.0000	0.0000	0.0000	70 SUBPURP: 1/VEH, 2+ CAR
1.1300	1.1300	0.0000	71 SUBPURP: 2/VEH, 0 CAR
0.9800	0.9800	0.0000	72 SUBPURP: 2/VEH, 1 CAR
0.6800	0.6800	0.0000	73 SUBPURP: 2/VEH, 2+ CAR
1.0900	1.0900	0.0000	74 SUBPURP: 3+/VEH, 0 CAR
0.8900	0.8900	0.0000	75 SUBPURP: 3+/VEH, 1 CAR
0.3800	0.3800	0.0000	76 SUBPURP: 3+/VEH, 2+ CAR
0.0			77 HBW/OP : 1/VEH, 0 CAR
0.0			78 HBW/OP : 1/VEH, 1 CAR
0.0			79 HBW/OP : 1/VEH, 2+ CAR
0.1700			80 HBW/OP : 2/VEH, 0 CAR
-0.4900			81 HBW/OP : 2/VEH, 1 CAR
-1.2500			82 HBW/OP : 2/VEH, 2+ CAR
-0.0300			83 HBW/OP : 3+/VEH, 0 CAR
-0.7400			84 HBW/OP : 3+/VEH, 1 CAR
-1.5000			85 HBW/OP : 3+/VEH, 2+ CAR
0.0	0.0	0.0	86 MEET-RIDE 2 PAX FOR ZERO CAR HOUSEHOLDS
0.0	0.0	0.0	87 MEET-RIDE 2 PAX FOR ONE CAR HOUSEHOLDS
0.0	0.0	0.0	88 MEET-RIDE 2 PAX FOR TWO+ CAR HOUSEHOLDS
0.0	0.0	0.0	89 MEET-RIDE 3+ PAX FOR ZERO CAR HOUSEHOLDS
0.0	0.0	0.0	90 MEET-RIDE 3+ PAX FOR ONE CAR HOUSEHOLDS
0.0	0.0	0.0	91 MEET-RIDE 3+ PAX FOR TWO+ CAR HOUSEHOLDS
0.3000	0.3000	0.3000	92 TRANSIT NESTING
0.5000	0.5000	0.5000	93 WALK ACCESS NESTING
0.5000	0.5000	0.5000	94 AUTO ACCESS NESTING
0.8000	0.8000	0.8000	95 HIGHWAY NESTING
0.2000	0.2000	0.2000	96 SHARED RIDE NESTING
0.5000	0.5000	0.5000	97 JITNEY NESTING
49900	51300	28800	98 Local Bus
23000	16100	6900	99 Jitney
19200	8600	4100	100 Premium
9700	2200	900	101 Park/Ride
3200	600	200	102 Kiss/Ride

-0.0450 -0.0350 -0.0450 TRANSIT WALK TIME, HIGHWAY TERMINAL TIME
 -0.0200 -0.0150 -0.0180 TRANSIT AUTO ACCESS TIME
 -0.0200 -0.0150 -0.0180 TRANSIT RUN TIME, HIGHWAY RUN TIME
 -0.0450 -0.0350 -0.0450 TRANSIT FIRST WAIT < 7 MIN
 -0.0230 -0.0350 -0.0450 TRANSIT FIRST WAIT > 7 MIN
 -0.0450 -0.0350 -0.0450 TRANSIT TRANSFER TIME
 -0.0450 -0.0350 -0.0450 TRANSIT NUMBER OF TRANSFERS
 -0.0032 -0.0048 -0.0048 TRANSIT FARE
 -0.0025 -0.0048 -0.0048 HIGHWAY AUTO OPERATING COSTS
 -0.0032 -0.0048 -0.0048 HIGHWAY PARKING COSTS
 -0.9693 WALK TO LOCAL TRANSIT MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 1.8308 1.7612
 -0.6692 -0.7388
 -1.9992 -1.7488
 1.1000 1.1000 1.0000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 -0.7344 WALK TO PREMIUM TRANSIT MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 1.9678 2.3132
 -0.5322 -0.1868
 -1.8622 -1.1968
 1.1000 1.1000 1.0000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 -1.3225 PARK-RIDE TRANSIT MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 0.1181 -0.0580
 -1.1719 -1.0580
 -1.9719 -1.8580
 1.2000 1.2000 1.1000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 -1.8122 KISS-RIDE TRANSIT MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 -0.0494 -0.2849
 -1.3094 -1.2849
 -2.1394 -2.0849
 1.2000 1.2000 1.1000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 -1.2133 JITNEY MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 1.9022 1.6443
 -0.5878 -0.8557
 -1.9178 -1.8657
 1.1000 1.1000 1.0000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 ONE PER VEHICLE HIGHWAY MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 - FOR DOWNTOWN ATTRACTIONS
 - FOR EXURBAN PRODUCTIONS
 - FOR EXURBAN PRODUCTIONS
 0.6300 TWO PER VEHICLE HIGHWAY MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 0.1700 1.1300
 -0.4900 0.9800
 -1.2500 0.6800
 0.5000 0.0000 0.0000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.4400 THREE+ PER VEHICLE HIGHWAY MODAL CONSTANT
 - FOR ZERO CAR HOUSEHOLDS
 - FOR ONE CAR HOUSEHOLDS
 - FOR TWO+ CAR HOUSEHOLDS
 -0.0300 1.0900
 -0.7400 0.8900
 -1.5000 0.3800
 0.5000 0.0000 0.0000 - FOR DOWNTOWN ATTRACTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS
 0.0000 0.0000 0.0000 - FOR EXURBAN PRODUCTIONS

0.3000 0.3000 0.3000 TRANSIT NESTING
 0.5000 0.5000 0.5000 WALK ACCESS NESTING
 0.5000 0.5000 0.5000 AUTO ACCESS NESTING
 0.8000 0.8000 0.8000 HIGHWAY NESTING
 0.2000 0.2000 0.2000 SHARED RIDE NESTING
 0.5000 0.5000 0.5000 JITNEY NESTING
 49900 51300 28800 Local Bus
 23000 16100 6900 Jitney
 19200 8600 4100 Premium
 9700 2200 900 Park/Ride
 3200 600 200 Kiss/Ride

9999

211 15 16 1
233 15 16 1
222 15 16 2
244 11 11 3
266 11 11 3
266 11 78 3
266 24 78 4
266 24 11 4
244 24 11 4
244 55 11 5
266 55 11 5
266 55 78 5
266 11 23 6
266 11 66 6
244 12 23 6
244 22 44 6
244 12 66 6
266 22 23 7
266 22 66 7
244 33 24 8
244 33 66 8
266 22 44 8
266 34 66 9
266 34 24 9
244 44 24 10
244 44 66 10
266 55 66 11
266 55 24 11
244 55 24 12
244 55 66 12
244 11 44 13
266 11 44 13

9999

3	1	5	2.5	70	2.5
3	2	30	30	70	70
3	3	26	26	43	35
3	4	26	26	50	45
3	5	42	42	55	50
3	6	18	8	32	14
3	7	22	13	35	22
3	8	18	11	37	23
3	9	18	14	36	24
3	10	18	9	36	15
3	11	24	17	48	33
3	12	24	16	48	32
3	13	10	6	26	10
3	14	7	7	40	20

9999

9999

211 15 16 1
233 15 16 1
222 15 16 2
244 11 11 3
266 11 11 3
266 11 78 3
266 24 78 4
266 24 11 4
244 24 11 4
244 55 11 5
266 55 11 5
266 55 78 5
266 11 23 6
266 11 66 6
244 12 23 6
244 22 44 6
244 12 66 6
266 22 23 7
266 22 66 7
244 33 24 8
244 33 66 8
266 22 44 8
266 34 66 9
266 34 24 9
244 44 24 10
244 44 66 10
266 55 66 11
266 55 24 11
244 55 24 12
244 55 66 12
244 11 44 13
266 11 44 13

9999

3	1	5	2.5	70	2.5
3	2	30	30	70	70
3	3	26	26	43	35
3	4	26	26	50	45
3	5	42	42	55	50
3	6	18	8	32	14
3	7	22	13	35	22
3	8	18	11	37	23
3	9	18	14	36	24
3	10	18	9	36	15
3	11	24	17	48	33
3	12	24	16	48	32
3	13	10	6	26	10
3	14	7	7	40	20

9999

```
PEAK PERIOD SIMULATION
&PARAM ZONES=1164,CART='CT1',
    PERIOD(4)=(0700,0859),
    PERIOD(5)=(0700,0859),
    PERIOD(6)=(0700,0859),
    PERIOD(7)=(0700,0859),
    PERIOD(8)=(0700,0859),
S(1)=2.5,
S(3)=2.5,
MAXD(1)=1.2,
    MAXS(4)=55,    MAXS(5)=70,    MAXS(6)=60,    MAXS(8)=30,
    MAXD(4)=30,    MAXD(5)=10.,    MAXD(6)=30,    MAXD(8)=2.,
    MH(4)=120,    MH(5)=60,    MH(6)=120,    MH(8)=10,
    FH(4)=.1,    FH(5)=.1,    FH(6)=.1,    FH(8)=.1,
    C(4)=1,    C(5)=1,    C(6)=1,    C(8)=1,
    TECH(4)=1,    TECH(5)=4,    TECH(6)=1,    TECH(8)=3,
    PPV(4)=61,    PPV(5)=475,    PPV(6)=61,    PPV(8)=96,
    LAY(4)=5,    LAY(5)=2,    LAY(6)=5,    LAY(8)=0,
    LPC(4)=10,    LPC(5)=0,    LPC(6)=10,    LPC(8)=0,
    MAXS(7)=58,
    MAXD(7)=30,
    MH(7)=120,
    FH(7)=.1,
    C(7)=1,
    TECH(7)=4,
    PPV(7)=660,
    LAY(7)=2,
    LPC(7)=0,
&END
&OPTION NET=T &END
&SELECT REPORT=2,4,6,7 &END
&DATA
```

MID-DAY SIMULATION

```
&PARAM ZONES=1164,CART='FFT',
  PERIOD(4)=(0900,1559),
  PERIOD(5)=(0900,1559),
  PERIOD(6)=(0900,1559),
  PERIOD(7)=(0900,1559),
  PERIOD(8)=(0900,1559),
S(1)=2.5,
S(3)=2.5,
MAXD(1)=1.2,
  MAXS(4)=55,   MAXS(5)=70,   MAXS(6)=60,   MAXS(8)=30,
  MAXD(4)=30,   MAXD(5)=10.,  MAXD(6)=30,   MAXD(8)=2.,
  MH (4)=180,   MH (5)=60,   MH (6)=120,   MH (8)=15,
  FH (4)=.1,   FH (5)=.1,   FH (6)=.1,   FH (8)=.1,
  C (4)= 1,    C (5)= 1,    C (6)= 1,    C (8)= 1,
  TECH(4)= 1,  TECH(5)= 4,  TECH(6)= 1,  TECH(8)= 3,
  PPV (4)=61,  PPV (5)=375, PPV (6)=55,  PPV (8)=96,
  LAY (4)= 5,  LAY (5)= 2,  LAY (6)= 5,  LAY (8)= 0,
  LPC (4)=10,  LPC (5)= 0,  LPC (6)=10,  LPC (8)= 0,
  MAXS(7)=58,
  MAXD(7)=30,
  MH (7)=120,
  FH (7)=.1,
  C (7)= 1,
  TECH(7)= 4,
  PPV (7)=660,
  LAY (7)= 2,
  LPC (7)= 0,
&END
&OPTION NET=T &END
&SELECT REPORT=2,7 &END
&DATA
```

9999

211 15 16 1 22 15 16 2 33 15 16 1 44 11 11 3 44 24 11 4
244 55 11 5 44 11 23 11 44 33 24 8 44 44 24 10 44 55 24 12
244 11 44 13 44 22 44 6 44 12 66 6 44 33 66 8 44 44 66 10
244 55 66 12 66 11 11 3 66 24 11 4 66 55 11 5 66 11 23 6
266 22 23 7 66 34 24 9 66 55 24 11 66 11 44 13 66 22 44 8
266 11 66 6 66 22 66 7 66 34 66 9 66 55 66 11 44 22 23 6

9999

3 1 30 2.5 70 2.5
3 2 30 30 70 70
3 3 26 26 43 35
3 4 26 26 50 45
3 5 42 42 55 50
3 6 22 12 27 16
3 7 22 13 35 22
3 8 27 23 47 43
3 9 18 14 36 24
3 10 25 21 55 50
3 11 10 6 20 11
3 12 25 23 55 52
3 13 18 14 30 23
3 14 7 7 40 20

9999

9999

211 15 16 1
233 15 16 1
222 15 16 2
244 11 11 3
266 11 11 3
244 24 11 4
266 24 11 4
244 55 11 5
266 55 11 5
244 22 23 6
244 22 44 6
244 12 66 6
266 11 23 6
266 11 66 6
266 22 23 7
266 22 66 7
244 33 24 8
244 33 66 8
266 22 44 8
266 34 24 9
266 34 66 9
244 44 24 10
244 44 66 10
244 11 23 11
266 55 24 11
266 55 66 11
244 55 24 12
244 55 66 12
244 11 44 13
266 11 44 13

9999

3	1	30	2.5	70	2.5
3	2	30	30	70	70
3	3	26	26	43	35
3	4	26	26	50	45
3	5	42	42	55	50
3	6	22	12	27	16
3	7	22	13	35	22
3	8	27	23	47	43
3	9	18	14	36	24
3	10	25	21	55	50
3	11	10	6	20	11
3	12	25	23	55	52
3	13	18	14	30	23
3	14	7	7	40	20

9999

