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```
C      OUTPUTS CURRENT STATE 3-WAY BALLOT
      IMPLICIT INTEGER(A-Y)
      INTEGER BALLOT(8),VENDOR(3),STATE(4)
      DOUBLE PRECISION IDATE
      OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
      OPEN(UNIT=22,DEVICE='DSK',ACCESS='SEQIN',FILE='STATES.LBL')
      OPEN(UNIT=23,ACCESS='SEQOUT',FILE='BALSTA.DAT')
      CALL DATE(IDATE)
      CALL TIME(ETIME)
      ETIME = ETIME + 2
      WRITE(23,18)
18  FORMAT(T20,'PRESIDENTIAL BALLOT BY STATES')
      WRITE(23,16) IDATE, ETIME
16  FORMAT(T20,A10,T40,'TIME: ',A5)
      WRITE(23,10)
10  FORMAT(66('='))
      WRITE(23,20)
20  FORMAT('STATE',T16,'VOTES',T22,'REAGAN',T29,'CARTER',T36,
      &'ANDER-',T43,'UND',T48,'DATE',1X,'SOURCE')
      WRITE(23,22)
22  FORMAT(T36,'SON')
      WRITE(23,24)
24  FORMAT(66('-'))
      WRITE(23,26)
26  FORMAT('LARGE ELECTORAL STATES',44('*'))
      DO 500 I=1,50
      READ(21,30),(BALLOT(J),J=1,8),(VENDOR(K),K=1,3)
30  FORMAT(8I2,3A4)
      REWIND 22
      DO 400 JJ=1,BALLOT(1)
      READ(22,32)(STATE(J),J=1,4)
400  CONTINUE
32  FORMAT(4A4)
      IF (I.EQ.8) WRITE(23,34)
34  FORMAT('MEDIUM ELECTORAL STATES',43('*'))
      IF (I.EQ.21) WRITE(23,36)
36  FORMAT('SMALL ELECTORAL STATES',44('*'))
      WRITE(23,40)(STATE(J),J=1,4),(BALLOT(K),K=2,8),
      &(VENDOR(L),L=1,3)
40  FORMAT(4A4,1X,T18,I2,T24,I2,T31,I2,T38,I2,T44,I2,T48,I2,
      &'//',I2,1X,3A4)
500  CONTINUE
      WRITE(23,50)
50  FORMAT(66('-'))
      STOP
      END
```



1	ALABAMA	26	MONTANA
2	ALASKA	27	NEBRASKA
3	ARIZONA	28	NEVADA
4	ARKANSAS	29	NEW HAMPSHIRE
5	CALIFORNIA	30	NEW JERSEY
6	COLORADO	31	NEW MEXICO
7	CONNECTICUT	32	NEW YORK
8	DELAWARE	33	NORTH CAROLINA
9	FLORIDA	34	NORTH DAKOTA
10	GEORGIA	35	OHIO
11	HAWAII	36	OKLAHOMA
12	IDAHO	37	OREGON
13	ILLINOIS	38	PENNSYLVANIA
14	INDIANA	39	RHODE ISLAND
15	IOWA	40	SOUTH CAROLINA
16	KANSAS	41	SOUTH DAKOTA
17	KENTUCKY	42	TENNESSEE
18	LOUISIANA	43	TEXAS
19	MAINE	44	UTAH
20	MARYLAND	45	VERMONT
21	MASSACHUSETTS	46	VIRGINIA
22	MICHIGAN	47	WASHINGTON
23	MINNESOTA	48	WEST VIRGINIA
24	MISSISSIPPI	49	WISCONSIN
25	MISSOURI	50	WYOMING

1 = Northeast
2 = South
3 = West

lowa
Kansas

DATA (IPOL(I), I=1,50) / 2,3,3,2,3,3,1,1,2,2,3,3,1,1,3,3,2,2,1,
4 1,1,1,3,2,2,3,3,3,1,1,3,1,2,3,1,2,3,1,1,2,3,2,2,3,1,2,3,2,1,3 /

1 = 16
2 = 15
3 = 19
50

INTEGER IVOTE(50,11), ISTATES(50,3)

DOUBLE PRECISION DATE1

DATA (IPOL(I), I=1,50) / 2,

OPEN (UNIT=21, FILE='STABAL.DTA')

OPEN (UNIT=22, FILE='STATES.LBL')

OPEN (UNIT=23, FILE='REGBAL.DTA')

CALL DATE (DATE1)

CALL TIME (ITIME)

WRITE(23,1)

1 FORMAT(T20, 'PRESIDENTIAL BALLOT BY REGION')

WRITE(23,2) DATE1, ITIME

2 FORMAT(T20, A10, T40, 'TIME: ', A5)

WRITE(23,3)

3 FORMAT(106('='))

WRITE(23,4)

4 FORMAT(1X, 'STATE', T16, 'VOTES', T22, 'REAGAN', T29, 'REAGAN', T36, 'CARTER'

& T43, 'ANDER-', T50, 'UNID', T54, 'DATE', T6

4 FORMAT(1X, 'STATE', T16, 'REAGAN', T22, 'REAGAN', T29, 'CARTER', T36, 'ANDER-',

T43, 'UNID', T47, 'DATE', T53, 'SOURCE'

WRITE(23,5)
~~5 FORMAT(T16,'MARGIN',T36,'SON',T81,'%')~~

5 FORMAT(T16,'MARGIN',T36,'SON')

WRITE(23,6)

6 FORMAT(T24,'% ',T31,'% ',T38,'% ',T45,'% ')

WRITE(23,7)

7 FORMAT(70(' '))

DO 10 I = 1, 50

READ(21,11) (EVOTE(I,J), J=1,11)

READ(22,12) (ISTATE(I,J), J=1,3)

10 CONTINUE

11 FORMAT(8I2,3A5)

12 FORMAT(3A10)

160
16
44

DO 15 K = 1, 3

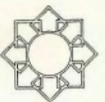
IF (K .EQ. 2) WRITE(23,20)

20 FORMAT(44(1))

DO 20 I = 1, 50

IF (K .EQ. 3) WRITE(23,21)

IF (IPOL(I) .EQ. K) 26, 10



```

INTEGER IBALOT(50,6), ISTATE(50,3)
REAL V(50,9)
DOUBLE PRECISION IDATE
OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
OPEN(UNIT=22,ACCESS='SEQIN',FILE='STATES.LBL')
OPEN(UNIT=23,ACCESS='SEQOUT',FILE='DISUND.DTA')
CALL DATE(IDATE)
CALL TIME(ETIME)
TYPE 1
1 FORMAT(1H,'WHAT % OF UNDECIDED GOES TO REAGAN?')
ACCEPT 5, RUD
5 FORMAT(F4.2)
TYPE 10
10 FORMAT(1H,'WHAT % OF UNDECIDED GOES TO CARTER?')
ACCEPT 15, CUD
15 FORMAT(F4.2)
TYPE 20
20 FORMAT(1H,'WHAT % OF UNDECIDED GOES TO ANDERSON?')
ACCEPT 25, AUD
25 FORMAT(F4.2)
DO 30 I = 1,50
READ(21,35) (IBALOT(I,J),J=1,6)
READ(22,37) (ISTATE(I,K),K=1,3)
30 CONTINUE
35 FORMAT(6I2)
37 FORMAT(3A5)
DO 40 I = 1,50
V(I,1) = IBALOT(I,1)
V(I,9) = IBALOT(I,2)
V(I,6) = IBALOT(I,3) + (RUD * IBALOT(I,6))
V(I,7) = IBALOT(I,4) + (CUD * IBALOT(I,6))
V(I,8) = IBALOT(I,5) + (AUD * IBALOT(I,6))
V(I,2) = V(I,6) - V(I,7)
IF (V(I,2) .GE. .1) V1 = V1 + IBALOT(I,2)
V(I,3) = V1
IF (V(I,2) .LE. -.1) V2 = V2 + IBALOT(I,2)
V(I,4) = V2
IF (V(I,2) .EQ. 0.0) V3 = V3 + IBALOT(I,2)
V(I,5) = V3
40 CONTINUE
WRITE(23,45)
45 FORMAT(T15,'ELECTORAL VOTE WITH UNDECIDED VOTE DISTRIBUTED')
WRITE(23,50) IDATE, ETIME
50 FORMAT(T20,A10,5X,'TIME: ',A5)
WRITE(23,55)
55 FORMAT(70('='))
WRITE(23,60)
60 FORMAT(1X,'STATE',T18,'EV',T24,'REAGAN',T34,'CARTER',
&T41,'TOSS',T47,'REAGAN',T54,'CARTER',T61,'ANDERSON')
WRITE(23,65)
65 FORMAT(T22,'MARGIN',T31,'EV',T36,'EV',T41,'UP',T48,
&'%',T54,'%',T62,'%')
WRITE(23,70)
70 FORMAT(70(' '))
DO 80 I = 1,50
K = V(I,1)
IF (I .EQ. 1) WRITE(23,90)
IF (I .EQ. 8) WRITE(23,95)
IF (I .EQ. 21) WRITE(23,100)
WRITE(23,85) (ISTATE(K,J),J=1,3), IBALOT(I,2), (V(I,JJ),JJ=2,8)
80 CONTINUE
85 FORMAT(1X,3A5,T18,I2,T22,F5.1,T30,F4.0,T36,F4.0,
&T41,F3.0,T47,F4.1,T54,F4.1,T62,F4.1)
90 FORMAT(1X,'LARGE ELECTORAL STATES',47('*'))

```

```
95 FORMAT(1X,'MEDIUM ELECTORAL STATES',46(' '*))
100 FORMAT(1X,'SMALL ELECTORAL STATES',47(' '*))
    WRITE(23,105)
105 FORMAT(70(' '-'))
    WRITE(23,110) RUD, CUD, AUD
110 FORMAT(1X,'UNDECIDED % TO REAGAN: ',F4.2,
    &' TO CARTER: ',F4.2,' TO ANDERSON: ',F4.2)
    STOP
    END
```

Decision/Making/Information





```

C   ELECTR.FOR OUTPUTS THE ELECTORAL VOTE COUNT FOR
C   EACH CANDIDATE BY STATE BASED ON THE MOST RECENT
C   SURVEY DATA AVAILABLE.  PROC WRITTEN 2-SEPT-80
      INTEGER IBALOT(6), IVOTES(5), ICUM(5), ISIZE(5), ISTATE(4)
      DOUBLE PRECISION IDATE
      OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
      OPEN(UNIT=22,ACCESS='SEQIN',FILE='STATES.LBL')
      OPEN(UNIT=23,ACCESS='SEQOUT',FILE='ELVOT.DAT')
      CALL DATE(IDATE)
      CALL TIME(ETIME)
      WRITE(23,10)
10  FORMAT(T20,'ELECTORAL VOTES BY STATE')
      WRITE(23,12) IDATE, ETIME
12  FORMAT(T15,'DATE: ',A10,T40,'TIME: ',A5)
      WRITE(23,14)
14  FORMAT(70('='))
      WRITE(23,16)
16  FORMAT('STATE',T16,'ELEC.',T23,'REAGAN',T32,'CARTER',
      &T40,'ANDER-',T50,'TOO CLOSE',T60,'NO DATA')
      WRITE(23,18)
18  FORMAT(T16,'VOTES',T40,'SON',T50,'TO CALL')
      WRITE(23,20)
20  FORMAT(70('-'))
      DO 21 K=1,5
      ICUM(K) = 0
21  CONTINUE
      DO 200 I=1,50
      REWIND 22
      READ(21,22) (IBALOT(J),J=1,6)
22  FORMAT(6I2,14X)
      DO 24 J=1,5
      IVOTES(J) = 0
24  CONTINUE
      IF (IBALOT(3) .EQ. 0) 26, 28
26  IVOTES(5) = IBALOT(2)
      ICUM(5) = ICUM(5) + IBALOT(2)
      ISIZE(5) = ISIZE(5) + IBALOT(2)
      GO TO 90
28  IF (IBALOT(3) .EQ. IBALOT(4) .OR. IBALOT(3) .EQ. IBALOT(5)
      &.OR. IBALOT(4) .EQ. IBALOT(5)) 30, 32
30  IVOTES(4) = IBALOT(2)
      ICUM(4) = ICUM(4) + IBALOT(2)
      ISIZE(4) = ISIZE(4) + IBALOT(2)
      GO TO 90
32  IF (IBALOT(3) .GT. IBALOT(4) .AND. IBALOT(3) .GT. IBALOT(5)) 34,36
34  IVOTES(1) = IBALOT(2)
      ICUM(1) = ICUM(1) + IBALOT(2)
      ISIZE(1) = ISIZE(1) + IBALOT(2)
      GO TO 90
36  IF (IBALOT(4) .GT. IBALOT(3) .AND. IBALOT(4) .GT. IBALOT(5)) 38,40
38  IVOTES(2) = IBALOT(2)
      ICUM(2) = ICUM(2) + IBALOT(2)
      ISIZE(2) = ISIZE(2) + IBALOT(2)
      GO TO 90
40  IVOTES(3) = IBALOT(2)
      ICUM(3) = ICUM(3) + IBALOT(2)
      ISIZE(3) = ISIZE(3) + IBALOT(2)
90  DO 92 J=1,IBALOT(1)
      READ(22,94) (ISTATE(K),K=1,4)
92  CONTINUE
94  FORMAT(4A4)
      WRITE(23,96)(ISTATE(K),K=1,4), IBALOT(2),IVOTES(1),ICUM(1),
      &IVOTES(2),ICUM(2),IVOTES(3),ICUM(3),IVOTES(4),ICUM(4),

```

&IVOTES(5),ICUM(5)

96 FORMAT(4A4,1X,I2,T22,I3,1X,I3,T30,I3,1X,I3,T40,I3,1X,I3,

Decision/Making/Information

&T50,I3,1X,I3,T60,I3,1X,I3)

IF (I .EQ. 7) 98, 104

98 WRITE(23,100) (ICUM(K),K=1,5) ✓ *ISIZE*

100 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)

DO 102 J=1,5

ISIZE(J)=0

102 CONTINUE

104 IF (I .EQ. 20) 106, 112

106 WRITE(23,108) (ICUM(K),K=1,5) ✓ *ISIZE*

108 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)

DO 110 J=1,5

ISIZE(J) = 0

110 CONTINUE

112 IF (I .EQ. 50) 114, 200

114 WRITE (23,116) (ICUM(K),K=1,5) ✓ *ISIZE*

116 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)

WRITE(23,118) (ICUM(K),K=1,5)

118 FORMAT('TOTAL',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)

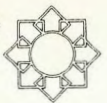
WRITE(23,120)

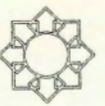
120 FORMAT(70(' '))

200 CONTINUE

STOP

END





! MTRANK.FOR rank orders states according to a single
! variable or a designated combination of weighted
! variables. Standardized variables must be input.
! Up to six variables may be included in a single run,
! and the output is broken down by size of the state
! as well as by region.
!

Initialize Variables and Input/Output Files

```
REAL DATA(50,20),ZDATA(50,20),RNDAT(50),RDAT(50),WT(10)
INTEGER FMTI(8),FMTO(10),FMTD(8),FMTH1(16),FMTH2(16)
INTEGER ID(50),IED(50),IQ(50),LB(50),LB1(50),LABEL(12,3)
INTEGER LST(50,3),REG(50),ST(50),SZ(50),TITLE(16)
INTEGER SUBT(16)
DOUBLE PRECISION FILEI,FILEO,IDATE,IH1(20),IH2(20)
DATA IC/1/,SUM,IPG,IV/3*0/,MC/50/
DATA (IQ(J),J=1,50)/1,0,0,0,1,1,1,1,1,0,1,0,1,1,1,0,1,0,1,1,0,
C1,0,1,1,0,0,0,0,1,0,1,1,0,1,1,1,1,1,1,0,1,1,0,0,1,1,1,1,0/
TYPE 10
ACCEPT 11,FILEO
OPEN(UNIT=20,FILE='MTRANK.SRC')
READ(20,11) FILEI
READ(20,12) NCOL,(FMTI(J),J=1,8)
DO 5 I=1,NCOL
  READ(20,13) IH1(I),IH2(I)
5 CONTINUE
CLOSE(UNIT=20,FILE='MTRANK.SRC')
10 FORMAT(1X,'Output File Name?')
11 FORMAT(A10)
12 FORMAT(I5,8A5)
13 FORMAT(2A10)
OPEN(UNIT=21,FILE=FILEI)
OPEN(UNIT=22,FILE=FILEO)
OPEN(UNIT=23,FILE='STATES.LBL')
OPEN(UNIT=24,FILE='REGION.LBL')
```

Input Variable Selection Parameters

```
TYPE 20
ACCEPT 25, (TITLE(J),J=1,16)
TYPE 22
ACCEPT 25, (SUBT(J),J=1,16)
TYPE 35
ACCEPT 45, NVAR
DO 15 J=1,NVAR
  TYPE 40,J
  ACCEPT 45,ID(J)
  TYPE 47, J
  TYPE 48
  ACCEPT 49, WT(J)
15 CONTINUE
NDASH=45+NVAR*13
ENCODE(50,50,FMTO) NVAR
ENCODE(80,52,FMTH1) NVAR
ENCODE(80,54,FMTH2) NVAR
ENCODE(15,56,FMTD) NDASH
TYPE 60
TYPE 62
ACCEPT 64, N1
20 FORMAT(1X,'Enter Title')
22 FORMAT(1X,'Enter Weighting Description')
25 FORMAT(16A5)
35 FORMAT(1X,'Enter the Number of Variables for Ranking (Max. = 6)')
```

40 FORMAT(1X,'Enter Variable ID Number for Variable # ',I2)
 45 FORMAT(I2)
 47 FORMAT(1X,'Enter Weighting Factor for Variable # ',I2)
 48 FORMAT(1X,'Use F4.1 format (e.g. 10.1)')
 49 FORMAT(F4.1)
 50 FORMAT(33H(1H ,1X,3A5,F4.1,6X,I2,11X,I3,1X,,I2,8H(F13.2)))
 52 FORMAT(37H(1H0,23X,'Electoral',3X,'Cumulative',,I2,
 C9H(3X,A10)))
 54 FORMAT(57H(1H ,5X,'State',6X,'Rank',3X,' Votes ',
 C3X,'Elec Votes',,I2,9H(3X,A10)))
 56 FORMAT(5H(1H ,,I3,6H('-')))
 60 FORMAT(1X,'DO YOU WANT OUTPUT AT THE TERMINAL?')
 62 FORMAT(1X,'(TYPE Y OR N)')
 64 FORMAT(A1)

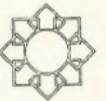
Read in Data and State Labels

```
100 N=0
105 N=N+1
    READ(21,FMT1,END=130) ST(N),(ZDATA(N,J),J=1,NCOL),
    C(DATA(N,J),J=1,NCOL),SZ(N),REG(N)
    IED(N)=DATA(N,1)
    ASUM=0
    DO 115 J=1,NVAR
        K1=ID(J)
        ZDATA(N,K1)=ZDATA(N,K1)*WT(J)
        ASUM=ASUM+ZDATA(N,K1)
        DATA(N,J)=DATA(N,K1)
115 CONTINUE
    RNDAT(N)=ASUM/NVAR
120 GO TO 105
130 N=N-1
    DO 160 I=1,N
        READ(23,490) (LST(I,J),J=1,3)
160 CONTINUE
    DO 170 I=1,12
        READ(24,490) (LABEL(I,J),J=1,3)
170 CONTINUE
    DO 180 J=1,NVAR
        K2=ID(J)
        IH1(J)=IH1(K2)
        IH2(J)=IH2(K2)
180 CONTINUE
    CLOSE(UNIT=21,FILE=FILE1)
    CLOSE(UNIT=23,FILE='STATES.LBL')
    CLOSE(UNIT=24,FILE='REGION.LBL')
```

Sort Routine

```
200 DO 205 L=1,N
    LB(L)=L
205 CONTINUE
    DO 220 I=1,N-1
        J=N-I
210 DO 215 K=1,J
        IF (RNDAT(K).GE.RNDAT(K+1)) GO TO 215
        TEMP=RNDAT(K)
        LTEMP=LB(K)
        RNDAT(K)=RNDAT(K+1)
        LB(K)=LB(K+1)
        RNDAT(K+1)=TEMP
        LB(K+1)=LTEMP
215 CONTINUE
220 CONTINUE
```

Rank Assignments



```

DO 223 I=1,N
LB1(I)=LB(I)
RDAT(I)=RNDAT(I)
223 CONTINUE
225 DO 245 I=1,MC
IF (IC.GT.1) GO TO 230
SUM=I
230 IF (I.EQ.N) GO TO 235
IF (RDAT(I).NE.RDAT(I+1)) GO TO 235
IC=IC+1
SUM=SUM+I+1
GO TO 245
235 RANK=SUM/IC
DO 240 L=1,IC
RDAT(I-L+1)=RANK
240 CONTINUE
IC=1
245 CONTINUE

```

Print Output

```

390 IPG=IPG+1
395 WRITE(22,500) (TITLE(J),J=1,16),IPG
CALL DATE (IDATE)
WRITE(22,510) (SUBT(J),J=1,16),IDATE
WRITE(22,515) (LABEL(IPG,J),J=1,3)
400 WRITE(22,FMTH1) (IH1(J),J=1,NVAR)
WRITE(22,FMTH2) (IH2(J),J=1,NVAR)
WRITE(22,FMTD)
IEDSUM=0
DO 410 I=1,MC
K=LB1(I)
IS=ST(K)
IEDSUM=IEDSUM+IED(K)
WRITE(22,FMT0) (LST(IS,J),J=1,3),RDAT(I),IED(K),IEDSUM,
C(DATA(K,J),J=1,NVAR)
410 CONTINUE
WRITE(22,FMTD)
IF (N1.NE.'Y') GO TO 435

```

Type Rank-ordering and Electoral Votes

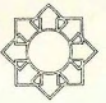
```

IFLAG=0
420 WRITE(5,550) (TITLE(J),J=1,14)
WRITE(5,555) (SUBT(J),J=1,14)
WRITE(5,560) (LABEL(IPG,J),J=1,3),IDATE
WRITE(5,565)
WRITE(5,570)
WRITE(5,580)
IPT=8
IF (IFLAG.GT.0) GO TO 430
IEDSUM=0
DO 430 I=1,MC
K=LB1(I)
IS=ST(K)
IEDSUM=IEDSUM+IED(K)
WRITE(5,585) (LST(IS,J),J=1,3),RDAT(I),IED(K),IEDSUM
IPT=IPT+1
425 IF (IPT.LT.21) GO TO 430
IFLAG=IFLAG+1
WRITE(5,580)
PAUSE
IF (I.EQ.MC) GO TO 435
GO TO 420
430 CONTINUE

```

WRITE(5,580)
PAUSE

Decision/Making/Information



Test for State Size

```
435 IV=IV+1
    IF (IV.GT.11) GO TO 600
    IF (IV.GT.3) GO TO 450
    MC=0
    DO 440 I=1,N
    K=LB(I)
    IF (SZ(K).NE.IV) GO TO 440
    MC=MC+1
    LB1(MC)=K
    RDAT(MC)=RNDAT(I)
440 CONTINUE
    GO TO 225
```

Test for Resion

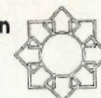
```
450 M1=IV-3
    MC=0
    DO 460 I=1,N
    K=LB(I)
    IF (REG(K).NE.M1) GO TO 460
    MC=MC+1
    LB1(MC)=K
    RDAT(MC)=RNDAT(I)
460 CONTINUE
    GO TO 225
```

Static Format Statements

```
490 FORMAT(3A5)
500 FORMAT(1H1,16A5,T119,'D/M/I',2X,'Pg ',I2)
510 FORMAT(1H ,16A5,T119,A10)
515 FORMAT(1H ,3A5)
550 FORMAT(1H1,14A5)
555 FORMAT(1H ,14A5)
560 FORMAT(1H ,3A5,T50,'D/M/I',4X,A10)
565 FORMAT(1H0,27X,'ELECTORAL',3X,'CUMULATIVE')
570 FORMAT(1H ,5X,'STATE',10X,'RANK',5X,'VOTES',5X,
    C'ELEC VOTES')
580 FORMAT(1H ,49('-',))
585 FORMAT(1H ,1X,3A5,4X,F4.1,6X,I2,11X,I3)
600 STOP
    END
```



```
C      OUTPUTS CURRENT STATE 3-WAY BALLOT
      IMPLICIT INTEGER(A-Y)
      INTEGER BALLOT(8),VENDOR(3),STATE(4)
      DOUBLE PRECISION IDATE
      OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
      OPEN(UNIT=22,DEVICE='DSK',ACCESS='SEQIN',FILE='STATES.LBL')
      OPEN(UNIT=23,ACCESS='SEQOUT',FILE='BALSTA.DAT')
      CALL DATE(IDATE)
      CALL TIME(ETIME)
      ETIME = ETIME + 2
      WRITE(23,18)
18  FORMAT(T20,'PRESIDENTIAL BALLOT BY STATES')
      WRITE(23,16) IDATE, ETIME
16  FORMAT(T20,A10,T40,'TIME: ',A5)
      WRITE(23,10)
10  FORMAT(66('='))
      WRITE(23,20)
20  FORMAT('STATE',T16,'VOTES',T22,'REAGAN',T29,'CARTER',T36,
      &'ANDER-',T43,'UND',T48,'DATE',1X,'SOURCE')
      WRITE(23,22)
22  FORMAT(T36,'SON')
      WRITE(23,24)
24  FORMAT(66('-'))
      WRITE(23,26)
26  FORMAT('LARGE ELECTORAL STATES',44('*'))
      DO 500 I=1,50
      READ(21,30),(BALLOT(J),J=1,8),(VENDOR(K),K=1,3)
30  FORMAT(8I2,3A4)
      REWIND 22
      DO 400 JJ=1,BALLOT(1)
      READ(22,32) (STATE(J),J=1,4)
400  CONTINUE
32  FORMAT(4A4)
      IF (I.EQ.8) WRITE(23,34)
34  FORMAT('MEDIUM ELECTORAL STATES',43('*'))
      IF (I.EQ.21) WRITE(23,36)
36  FORMAT('SMALL ELECTORAL STATES',44('*'))
      WRITE(23,40)(STATE(J),J=1,4),(BALLOT(K),K=2,8),
      &(VENDOR(L),L=1,3)
40  FORMAT(4A4,1X,T18,I2,T24,I2,T31,I2,T38,I2,T44,I2,T48,I2,
      &'//',I2,1X,3A4)
500  CONTINUE
      WRITE(23,50)
50  FORMAT(66('-'))
      STOP
      END
```



.DIR EL*.*

ELECTR	REL	9	<057>	2-Sep-80
ELVOT	DAT	7	<057>	3-Oct-80
ELECTR	FOR	5	<057>	2-Sep-80
ELECVT	DAT	9	<057>	16-Sep-80
ELVOTE	QOT	3	<057>	2-Oct-80
ELVOTE	TOT	3	<057>	2-Oct-80

DSKA: [43307,43307]

Total of 36 blocks in 6 files on DSKA: [43307,43307]

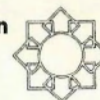


```
C   ELECTR.FOR OUTPUTS THE ELECTORAL VOTE COUNT FOR
C   EACH CANDIDATE BY STATE BASED ON THE MOST RECENT
C   SURVEY DATA AVAILABLE.  PROC WRITTEN 2-SEPT-80
      INTEGER IBALOT(6), IVOTES(5), ICUM(5), ISIZE(5), ISTATE(4)
      DOUBLE PRECISION IDATE
      OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
      OPEN(UNIT=22,ACCESS='SEQIN',FILE='STATES.LBL')
      OPEN(UNIT=23,ACCESS='SEQOUT',FILE='ELVOT.DAT')
      CALL DATE(IDATE)
      CALL TIME(itime)
      WRITE(23,10)
10  FORMAT(T20,'ELECTORAL VOTES BY STATE')
      WRITE(23,12) IDATE, itime
12  FORMAT(T15,'DATE: ',A10,T40,'TIME: ',A5)
      WRITE(23,14)
14  FORMAT(70('='))
      WRITE(23,16)
16  FORMAT('STATE',T16,'ELEC.',T23,'REAGAN',T32,'CARTER',
      &T40,'ANDER-',T50,'TOO CLOSE',T60,'NO DATA')
      WRITE(23,18)
18  FORMAT(T16,'VOTES',T40,'SON',T50,'TO CALL')
      WRITE(23,20)
20  FORMAT(70('-'))
      DO 21 K=1,5
        ICUM(K) = 0
21  CONTINUE
      DO 200 I=1,50
        REWIND 22
        READ(21,22) (IBALOT(J),J=1,6)
22  FORMAT(6I2,14X)
        DO 24 J=1,5
          IVOTES(J) = 0
24  CONTINUE
        IF (IBALOT(3) .EQ. 0) 26, 28
26  IVOTES(5) = IBALOT(2)
        ICUM(5) = ICUM(5) + IBALOT(2)
        ISIZE(5) = ISIZE(5) + IBALOT(2)
        GO TO 90
28  IF (IBALOT(3) .EQ. IBALOT(4) .OR. IBALOT(3) .EQ. IBALOT(5)
      &.OR. IBALOT(4) .EQ. IBALOT(5)) 30, 32
30  IVOTES(4) = IBALOT(2)
        ICUM(4) = ICUM(4) + IBALOT(2)
        ISIZE(4) = ISIZE(4) + IBALOT(2)
        GO TO 90
32  IF (IBALOT(3) .GT. IBALOT(4) .AND. IBALOT(3) .GT. IBALOT(5)) 34,36
34  IVOTES(1) = IBALOT(2)
        ICUM(1) = ICUM(1) + IBALOT(2)
        ISIZE(1) = ISIZE(1) + IBALOT(2)
        GO TO 90
36  IF (IBALOT(4) .GT. IBALOT(3) .AND. IBALOT(4) .GT. IBALOT(5)) 38,40
38  IVOTES(2) = IBALOT(2)
        ICUM(2) = ICUM(2) + IBALOT(2)
        ISIZE(2) = ISIZE(2) + IBALOT(2)
        GO TO 90
40  IVOTES(3) = IBALOT(2)
        ICUM(3) = ICUM(3) + IBALOT(2)
        ISIZE(3) = ISIZE(3) + IBALOT(2)
90  DO 92 J=1,IBALOT(1)
      READ(22,94) (ISTATE(K),K=1,4)
92  CONTINUE
94  FORMAT(4A4)
      WRITE(23,96)(ISTATE(K),K=1,4), IBALOT(2),IVOTES(1),ICUM(1),
      &IVOTES(2),ICUM(2),IVOTES(3),ICUM(3),IVOTES(4),ICUM(4),
```

```

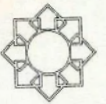
&IVOTES(5),ICUM(5)
96 FORMAT(4A4,1X,I2,T22,I3,1X,I3,T30,I3,1X,I3,T40,I3,1X,I3,
&T50,I3,1X,I3,T60,I3,1X,I3)
    IF (I .EQ. 7) 98, 104
98 WRITE(23,100) (ICUM(K),K=1,5)
100 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
    DO 102 J=1,5
    ISIZE(J)=0
102 CONTINUE
104 IF (I .EQ. 20) 106, 112
106 WRITE(23,108) (ICUM(K),K=1,5)
108 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
    DO 110 J=1,5
    ISIZE(J) = 0
110 CONTINUE
112 IF (I .EQ. 50) 114, 200
114 WRITE (23,116) (ICUM(K),K=1,5)
116 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
    WRITE(23,118) (ICUM(K),K=1,5)
118 FORMAT('TOTAL',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
    WRITE(23,120)
120 FORMAT(70('-',))
200 CONTINUE
    STOP
    END

```



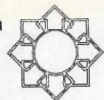
EX BALSTA
LINK: Loading
[LNKXCT BALSTA execution]

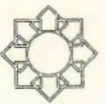
Decision/Making/Information



STOP

END OF EXECUTION
CPU TIME: 4.98 ELAPSED TIME: 8.18
EXIT





PINSTA.FOR IS A FORTRAN PROGRAM WHICH OUTPUTS TO THE USER'S TERMINAL COMPARATIVE BALLOT INFORMATION BY STATE ON THE MAJOR PRESIDENTIAL CANDIDATES FOR 1980. OUTPUT IS PRESENTED ACCORDING TO STATE AND SURVEY DATE. PINSTA.FOR UTILIZES THE DATA IN PINSTA.DAT AND THE LABELS IN STATES.LBL.

INITIALIZE ARRAYS AND VARIABLES

```

      INTEGER IPC(50,25,4), ICHG(50,25,4), IH(50,3), NSRV(50)
      INTEGER NEV(50), STATE(3)
      REAL AVPC(50,4), SUM(4)
      DOUBLE PRECISION ISRV(50,15), IDATE
      DATA (SUM(L), L=1,4)/4*0/

```

READ IN STATE LABELS & DATA

```

      OPEN(UNIT=20, FILE='STATES.LBL')
      OPEN(UNIT=21, FILE='PINSTA.DAT')
      OPEN(UNIT=22, ACCESS='SEQOUT', FILE='LNGSTA.DAT')
      DO 30 I=1,50
      READ(20,400) (IH(I,L), L=1,3)
30 CONTINUE
35 READ(21,405,END=45) IS, NSRV(IS), NEV(IS)
      N1=NSRV(IS)
      DO 40 M=1,N1
      READ(21,410) ISRV(IS,M), (IPC(IS,M,L), L=1,4)
40 CONTINUE
      GO TO 35
45 CLOSE(UNIT=20, FILE='STATES.LBL')
      CLOSE(UNIT=21, FILE='PINSTA.DAT')

```

OUTPUT OF ALL STATES

COMPUTE PERCENTAGE AND AVG PERCENTAGE CHANGE

```

80 DO 88 I=1,50
      IF (NEV(I).EQ.0) GO TO 88
      NSV=NSRV(I)
      IF (NSV.EQ.1) GO TO 88
      DO 84 M=2,NSV
      DO 82 L=1,4
      ICHG(I,M,L)=IPC(I,M,L)-IPC(I,M-1,L)
      SUM(L)=SUM(L)+ICHG(I,M,L)
82 CONTINUE
84 CONTINUE
      DO 86 L=1,4
      AVPC(I,L)=SUM(L)/(NSV-1)
      SUM(L)=0
86 CONTINUE
88 CONTINUE

```

OUTPUT BALLOT TABLE

```

      ILINE = 10
90 DO 94 I=1,50
      IF (NEV(I).EQ.0) GO TO 94
      IF (ILINE .GE. 58) WRITE(5,180)
180 FORMAT(1H0,66('-',12(/))

      IF (ILINE .EQ. 10 .OR. ILINE .GE. 58) 190, 192
190 CALL DATE(IDATE)
      CALL TIME(ITIME)
      IPAGE = IPAGE + 1
      WRITE(5,200)

```

200 FORMAT(1H0,20X,'STATE LONGITUDINAL BALLOTS')

WRITE(5,210) IDATE, ITIME, IPAGE

210 FORMAT(1H0,15X,A10,2X,'TIME: ',A5,15X,'PAGE: ',12) Decision/Making/Information

WRITE(5,300)

300 FORMAT(1H0,66('='))

WRITE(5,305)

305 FORMAT(1H0,25X,'REAGAN CARTER ANDERSON UNDECIDED')

WRITE(5,310)

310 FORMAT(1H0,66('-'))

192 IF (ILINE .GE. 58) ILINE = 10

WRITE(5,535) NEV(I),(IH(I,L),L=1,3)

NSV = NSRV(I)

DO 92 M=1,NSV

IF (M.GT.1) GO TO 91

WRITE(5,550) ISRV(I,M),(IPC(I,M,L),L=1,4) $IREG = IPC(I,M,1) - IPC(I,M,2)$

ILINE = ILINE + 1 $2 - WRITE(5,565) IREG$

GO TO 92

91 WRITE(5,555) ISRV(I,M),IPC(I,M,1),ICHG(I,M,1),

CIPC(I,M,2),ICHG(I,M,2),IPC(I,M,3),ICHG(I,M,3),IPC(I,M,4),

CICHG(I,M,4)

ILINE = ILINE + 1 2

92 CONTINUE

IF (NSV.EQ.1) GO TO 94

WRITE(5,560) (AVPC(I,L),L=1,4)

ILINE = ILINE + 1

$IREG = IPC(I,M,1) - IPC(I,M,2)$

94 CONTINUE

$WRITE(5,565) IREG$

FORMAT STATEMENTS

400 FORMAT(3A5)

405 FORMAT(3I2)

410 FORMAT(A10,4I3)

444 FORMAT(1H ,T49,A10)

520 FORMAT(1H1,66('-'))

535 FORMAT(1H0,'(',I2,')', ' STATE: ',3A5)

550 FORMAT(1H ,2X,A10,' %',2X,4(8X,I3))

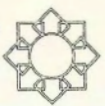
555 FORMAT(1H ,2X,A10,' %',7X,4(3X,I3,2X,I3))

560 FORMAT(1H ,4X,'AVG % CHANGE ',3X,4(6X,F5.1))

999 STOP

END

$565 \text{ FORMAT}(1H,4X,'REAGAN MARGIN_{\Delta}',9X,I3)$



```
INTEGER IBALOT(6), IDES(50,8), ISTATE(4)
DOUBLE PRECISION IDATE
OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
OPEN(UNIT=22,ACCESS='SEQIN',FILE='STATES.LBL')
OPEN(UNIT=23,ACCESS='SEQOUT',FILE='EVSCOR.DTA')
CALL DATE(IDATE)
CALL TIME(ETIME)
TYPE 100
100 FORMAT(1H0,'ENTER UPPER RANGE.')
ACCEPT 105, IHIGH
105 FORMAT(I2)
TYPE 110
110 FORMAT(1H0,'ENTER TOO CLOSE TO CALL RANGE.')
ACCEPT 115, IUP
115 FORMAT(I2)
ILOW = 0 - IUP
IVLOW = 0 - IHIGH
DO 200 I=1,50
READ(21,190) (IBALOT(J),J=1,6)
190 FORMAT(6I2)
IRDIFF = IBALOT(3) - IBALOT(4)
IDES(I,1) = IBALOT(1)
IDES(I,2) = IBALOT(2)
IDES(I,3) = IRDIFF
JK = 5
DO 180 JJ=3,6
IDES(I,JK) = IBALOT(JJ)
JK = JK + 1
180 CONTINUE
IF (IRDIFF .GE. IHIGH) IDES(I,4) = 1
IF (IRDIFF .GT. IUP .AND. IRDIFF .LT. IHIGH) IDES(I,4)=2
IF (IRDIFF .LE. IUP .AND. IRDIFF .GE. ILOW) IDES(I,4)=3
IF (IRDIFF .LT. ILOW .AND. IRDIFF .GT. IVLOW) IDES(I,4)=4
IF (IRDIFF .LE. IVLOW) IDES(I,4)=5
IF (IBALOT(3) .EQ. 0) IDES(I,4)=6
200 CONTINUE
TYPE 305
TYPE 310, IDATE, ETIME
IUP1 = IUP + 1
IHI1 = IHIGH - 1
IVL1 = IVLOW + 1
IL1 = ILOW - 1
TYPE 315, IHIGH, IUP1, IHI1, ILOW, IUP
TYPE 316, IVLOW, IL1, IVL1
315 FORMAT(1X,'SOLID REAGAN: ', I3,'+', ' LEAN REAGAN: ', I2,
&' TO ', I2,' TOO CLOSE TO CALL: ', I2,' TO ', I2)
316 FORMAT(1X,'SOLID CARTER: ', I3,' LEAN CARTER: ', I2,' TO ', I3)
TYPE 320
TYPE 325
TYPE 330
TYPE 335
DO 400 I=1,6
IF (I .EQ. 1) TYPE 340
IF (I .EQ. 2) TYPE 345
IF (I .EQ. 3) TYPE 350
IF (I .EQ. 4) TYPE 355
IF (I .EQ. 5) TYPE 360
IF (I .EQ. 6) TYPE 365
DO 410 K=1,50
IF (IDES(K,4) .EQ. 1) 420, 410
420 REWIND 22
DO 425 JJ=1,IDES(K,1)
READ(22,430) (ISTATE(IK),IK=1,4)
```

425 CONTINUE

ICUMEV = ICUMEV + IDES(K,2)

TYPE 435, (ISTATE(JJ),JJ=1,4), IDES(K,2), ICUMEV, /IDES(K,3),

&(IDES(K,JJ),JJ=5,8)

410 CONTINUE

IF (I .EQ. 1) IRS = ICUMEV

IF (I .EQ. 2) IRL = ICUMEV

IF (I .EQ. 3) ICC = ICUMEV

IF (I .EQ. 4) ICL = ICUMEV

IF (I .EQ. 5) ICS = ICUMEV

IF (I .EQ. 6) IND = ICUMEV

ICUMEV = 0

400 CONTINUE

TYPE 335

TYPE 440, IRS, IRL

TYPE 441, ICS, ICL

TYPE 442, ICC

TYPE 443, IND

IR = IRS + IRL

IC = ICL + ICS

TYPE 445, IR

TYPE 450, IC

TYPE 455, ICC

TYPE 460, IND

305 FORMAT(T20,'STATE ELECTORAL SCOREBOARD')

310 FORMAT(T15,'DATE: ',A10,T40,'TIME: ',A5)

320 FORMAT(70('='))

325 FORMAT(T5,'STATE ',T23,'ELEC',T29,'CUM',T34,'REAGAN',

&T41,'REAGAN',T49,'CARTER',T56,'ANDER-',T63,'UNDE-')

330 FORMAT(T23,'VOTE',T29,'E.V.',T34,'MARGIN',T56,'SON',

&T63,'CIDE')

335 FORMAT(70('-'))

340 FORMAT(5('*'),'SOLID REAGAN STATES',5('*'))

345 FORMAT(/5('*'),'LEAN REAGAN STATES',5('*'))

350 FORMAT(/5('*'),'TOO CLOSE TO CALL',5('*'))

355 FORMAT(/5('*'),'LEAN CARTER STATES',5('*'))

360 FORMAT(/5('*'),'SOLID CARTER STATES',5('*'))

365 FORMAT(/5('*'),'NO DATA AVAILABLE',5('*'))

430 FORMAT(4A4)

435 FORMAT(T5,4A4,T24,I2,T29,I3,T37,I3,T43,I2,T51,I2,T57,I2,T63,I2)

440 FORMAT(2X,'SOLID REAGAN: ',I3,4X,'LEAN REAGAN: ',I3)

441 FORMAT(2X,'SOLID CARTER: ',I3,4X,'LEAN CARTER: ',I3)

442 FORMAT(2X,'TOO CLOSE TO CALL: ',I3)

443 FORMAT(2X,'NO DATA AVAILABLE: ',I3)

445 FORMAT(2X,'REAGAN ELECTORAL COUNT: ',I3)

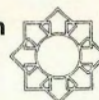
450 FORMAT(2X,'CARTER ELECTORAL COUNT: ',I3)

455 FORMAT(2X,'TOO CLOSE TO CALL: ',I3)

460 FORMAT(2X,'NO DATA AVAILABLE: ',I3)

STOP

END





```
C  OUTPUTS CURRENT STATE 3-WAY BALLOT
    IMPLICIT INTEGER(A-Y)
    INTEGER BALLOT(8),VENDOR(3),STATE(4)
    DOUBLE PRECISION IDATE
    OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
    OPEN(UNIT=22,DEVICE='DSK',ACCESS='SEQIN',FILE='STATES.LBL')
    OPEN(UNIT=23,ACCESS='SEQOUT',FILE='BALSTA.DAT')
    CALL DATE(IDATE)
    CALL TIME(ETIME)
    ETIME = ETIME + 2
    WRITE(23,18)
18  FORMAT(T20,'PRESIDENTIAL BALLOT BY STATES')
    WRITE(23,16) IDATE, ETIME
16  FORMAT(T20,A10,T40,'TIME: ',A5)
    WRITE(23,10)
10  FORMAT(66('='))
    WRITE(23,20)
20  FORMAT('STATE',T16,'VOTES',T22,'REAGAN',T29,'CARTER',T36,
    &'ANDER-',T43,'UND',T48,'DATE',1X,'SOURCE')
    WRITE(23,22)
22  FORMAT(T36,'SON')
    WRITE(23,24)
24  FORMAT(66(' - '))
    WRITE(23,26)
26  FORMAT('LARGE ELECTORAL STATES',44('*'))
    DO 500 I=1,50
    READ(21,30),(BALLOT(J),J=1,8),(VENDOR(K),K=1,3)
30  FORMAT(8I2,3A4)
    REWIND 22
    DO 400 JJ=1,BALLOT(1)
    READ(22,32) (STATE(J),J=1,4)
400  CONTINUE
32  FORMAT(4A4)
    IF (I.EQ.6) WRITE(23,34)
34  FORMAT('MEDIUM ELECTORAL STATES',43('*'))
    IF (I.EQ.21) WRITE(23,36)
36  FORMAT('SMALL ELECTORAL STATES',44('*'))
    WRITE(23,40) (STATE(J),J=1,4),(BALLOT(K),K=2,8),
    &(VENDOR(L),L=1,3)
40  FORMAT(4A4,1X,T18,I2,T24,I2,T31,I2,T38,I2,T44,I2,T48,I2,
    &'//',I2,1X,3A4)
500  CONTINUE
    WRITE(23,50)
50  FORMAT(66(' - '))
    STOP
    END
```



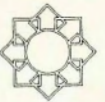
```
C  OUTPUTS CURRENT STATE 3-WAY BALLOT
    IMPLICIT INTEGER(A-Y)
    INTEGER BALLOT(8), VENDOR(3), STATE(4)
    DOUBLE PRECISION IDATE
    OPEN(UNIT=21, ACCESS='SEQIN', FILE='STABAL.DTA')
    OPEN(UNIT=22, DEVICE='DSK', ACCESS='SEQIN', FILE='STATES.LBL')
    OPEN(UNIT=23, ACCESS='SEQOUT', FILE='BALSTA.DAT')
    CALL DATE(IDATE)
    CALL TIME(ITEM)
    ITEM = ITEM + 2
    WRITE(23,18)
18  FORMAT(T20,'PRESIDENTIAL BALLOT BY STATES')
    WRITE(23,16) IDATE, ITEM
16  FORMAT(T20,A10,T40,'TIME: ',A5)
    WRITE(23,10)
10  FORMAT(66('='))
    WRITE(23,20)
20  FORMAT('STATE',T16,'VOTES',T22,'REAGAN',T29,'CARTER',T36,
&'ANDER-',T43,'UND',T48,'DATE',1X,'SOURCE')
    WRITE(23,22)
22  FORMAT(T36,'SON')
    WRITE(23,24)
24  FORMAT(66('-'))
    WRITE(23,26)
26  FORMAT('LARGE ELECTORAL STATES',44('*'))
    DO 500 I=1,50
        READ(21,30),(BALLOT(J),J=1,8),(VENDOR(K),K=1,3)
30  FORMAT(8I2,3A4)
        REWIND 22
        DO 400 JJ=1,BALLOT(1)
            READ(22,32) (STATE(J),J=1,4)
400  CONTINUE
32  FORMAT(4A4)
        IF (I.EQ.8) WRITE(23,34)
34  FORMAT('MEDIUM ELECTORAL STATES',43('*'))
        IF (I.EQ.21) WRITE(23,36)
36  FORMAT('SMALL ELECTORAL STATES',44('*'))
        WRITE(23,40) (STATE(J),J=1,4),(BALLOT(K),K=2,8),
&(VENDOR(L),L=1,3)
40  FORMAT(4A4,1X,T18,I2,T24,I2,T31,I2,T38,I2,T44,I2,T48,I2,
&'//',I2,1X,3A4)
500  CONTINUE
        WRITE(23,50)
50  FORMAT(66('-'))
        STOP
    END
```



```

      INTEGER ISTATE(50,3)
      REAL V(50,6), PARMS(50,8)
      DOUBLE PRECISION DATE1, FILE0
      CALL DATE(DATE1)
      CALL TIME(ETIME)
      OPEN(UNIT=21,FILE='STABAL.DTA')
      OPEN(UNIT=22,FILE='STATES.LBL')
      DO 1 I = 1,50
      READ(21,2) (V(I,J),J=1,6)
      READ(22,3) (ISTATE(I,K),K=1,3)
1  CONTINUE
2  FORMAT(6F2.0)
3  FORMAT(3A5)
      CLOSE(UNIT=21,FILE='STABAL.DTA')
      CLOSE(UNIT=22,FILE='STATES.LBL')
      TYPE 5
5  FORMAT(1X,'ENTER OUTPUT FILENAME.')
      ACCEPT 6, FILE0
6  FORMAT(A10)
      OPEN(UNIT=23,FILE=FILE0,ACCESS='SEQOUT')
      IPAGE = 1
      WRITE(23,10)
10  FORMAT(4(/))
      WRITE(23,11)
11  FORMAT(T15,'CURRENT STATE BY STATE BALLOT: UNADJUSTED')
      WRITE(23,12) DATE1, ETIME, IPAGE
12  FORMAT(T18,A10,T35,A5,T45,'PAGE: ',I2)
      WRITE(23,14)
14  FORMAT(70('='))
      WRITE(23,16)
16  FORMAT(T2,'STATE',T18,'EV',T25,'REAGAN',T34,'CARTER',
      &T41,'TOSS',T47,'REAGAN',T54,'CARTER',T61,'AND',T66,'UND')
17  FORMAT(T2,'STATE',T18,'EV',T25,'REAGAN',T34,'CARTER',T41,
      &'TOSS',T47,'REAGAN',T54,'CARTER',T61,'ANDERSON')
      WRITE(23,18)
18  FORMAT(T22,'MARGIN',T31,'EV',T36,'EV',T42,'UP',T49,'% ',
      &T56,'% ',T62,'% ',T68,'% ')
      WRITE(23,20)
20  FORMAT(70(' - '))
      DO 22 I = 1,50
      AMARG = V(I,3) - V(I,4)
      IF (AMARG .GE. .1) REV = REV + V(I,2)
      IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
      IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
      IF (I .EQ. 1) WRITE(23,24)
      IF (I .EQ. 8) WRITE(23,26)
      IF (I .EQ. 21) WRITE(23,28)
      KK = V(I,1)
      WRITE(23,30) (ISTATE(KK,J),J=1,3),V(I,2),AMARG, REV, CEV,
      &TEV, (V(I,K),K=3,6)
22  CONTINUE
24  FORMAT(1X,'LARGE ELECTORAL STATES',47('*'))
26  FORMAT(1X,'MEDIUM ELECTORAL STATES',46('*'))
28  FORMAT(1X,'SMALL ELECTORAL STATES',47('*'))
30  FORMAT(1X,3A5,T18,F3.0,T22,F5.1,T31,F4.0,T36,F4.0,T42,
      &F4.0,T49,F4.1,T55,F4.1,T61,F4.1,T67,F4.1)
      WRITE(23,20)
      WRITE(23,10)
      IPAGE = IPAGE + 1
      WRITE(23,32)
32  FORMAT(T10,'SUMULATED VOTE: ADJUSTED BY DISTRIBUTING THE
      &UNDECIDEDS')
      WRITE(23,12) DATE1, ETIME, IPAGE

```



```

WRITE(23,18)
WRITE(23,20)
TYPE 34
34 FORMAT(1X,'SELECT UNDECIDED DISTRIBUTION OPTION.')
```

TYPE 35

```

35 FORMAT(1X,'OPTION #1 = USE STATE & REGIONAL ESTIMATES',/,
&1X,'OPTION #2 = NATIONAL ESTIMATES FOR ALL STATES',/,1X
&'ENTER A 1 OR A 2.')
```

ACCEPT 36, IOPT1

```

36 FORMAT(I1)
IF (IOPT1 .EQ. 2) 38, 48
38 TYPE 40
40 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO REAGAN.')
```

ACCEPT 42, RUD

```

42 FORMAT(F2.2)
TYPE 44
44 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO CARTER.')
```

ACCEPT 42, CUD

TYPE 46

```

46 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO ANDERSON.')
```

ACCEPT 42, AUD

```

48 REV = 0.0
CEV = 0.0
TEV = 0.0
DO 50 I = 1,50
IF (IOPT1 .EQ. 1) 52, 54
52 V(I,3) = V(I,3) + (PARMS(I,1) * V(I,6))
V(I,4) = V(I,4) + (PARMS(I,2) * V(I,6))
V(I,5) = V(I,5) + (PARMS(I,3) * V(I,6))
GO TO 56
54 V(I,3) = V(I,3) + (RUD * V(I,6))
V(I,4) = V(I,4) + (CUD * V(I,6))
V(I,5) = V(I,5) + (AUD * V(I,6))
56 AMARG = V(I,3) - V(I,4)
IF (AMARG .GE. .1) REV = REV + V(I,2)
IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
IF (I .EQ. 1) WRITE(23,24)
IF (I .EQ. 8) WRITE(23,26)
IF (I .EQ. 21) WRITE(23,28)
KK = V(I,1)
WRITE(23,30) (ISTATE(KK,J),J=1,3),V(I,2),AMARG,REV,CEV,TEV,
&(V(I,K),K=3,5)
50 CONTINUE
WRITE(23,20)
WRITE(23,10)
IPAGE = IPAGE + 1
REV = 0.0
CEV = 0.0
TEV = 0.0
WRITE(23,58)
58 FORMAT(8X,'SIMULATED VOTE: ADJUSTED FOR UNDECIDEDS AND
&ANDERSON')
WRITE(23,12) DATE1, ITIME, IPAGE
WRITE(23,14)
WRITE(23,17)
WRITE(23,18)
WRITE(23,20)
TYPE 60
60 FORMAT(1X,'SELECT ANDERSON OPTION',/,1X,'OPTION #1 =
&USE STATE AND REGIONAL ESTIMATES',/,1X,'OPTION #2 =
&USE NATIONAL REDISTRIBUTION ESTIMATES FOR ALL STATES.',/,
&1X,'ENTER A 1 OR A 2.')
```

ACCEPT 62, IOPT2

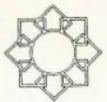
```

62 FORMAT(I1)

```

Re-percentage total.

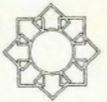
$$\begin{aligned}
 \text{TOTAL} &= V(I,3) + V(I,4) + V(I,5) \\
 V(I,3) &= (V(I,3) / \text{TOTAL}) * 100.0 \\
 V(I,4) &= (V(I,4) / \text{TOTAL}) * 100.0 \\
 V(I,5) &= (V(I,5) / \text{TOTAL}) * 100.0
 \end{aligned}$$



```

64 TYPE 66
66 FORMAT(1X,'ENTER % ANDERSON TO REAGAN.')
ACCEPT 68, RAND
68 FORMAT(F2.2)
TYPE 70
70 FORMAT(1X,'ENTER % ANDERSON TO CARTER.')
ACCEPT 68, CAND
72 REV = 0.0
CEV = 0.0
TEV = 0.0
DO 74 I = 1,50
IF (IOPT2 .EQ. 1) 76, 78
76 RA = PARMS(I,4) * V(I,5)
CA = PARMS(I,5) * V(I,5)
TFAND = RA + CA
GO TO 80
78 RA = RAND * V(I,5)
CA = CAND * V(I,5)
TRAND = RA + CA
80 V(I,5) = V(I,5) - TFAND
V(I,3) = V(I,3) + RA
V(I,4) = V(I,4) + CA
AMARG = V(I,3) - V(I,4)
IF (AMARG .GE. .1) REV = REV + V(I,2)
IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
IF (I .EQ. 1) WRITE(23,24)
IF (I .EQ. 8) WRITE(23,26)
IF (I .EQ. 21) WRITE(23,28)
KK = V(I,1)
WRITE(23,30)(ISTATE(KK,J),J=1,3),V(I,2),AMARG,REV,CEV,TEV,
&(V(I,K),K=3,5)
74 CONTINUE
WRITE(23,20)
WRITE(23,10)
IPAGE = IPAGE + 1
REV = 0.0
CEV = 0.0
TEV = 0.0
WRITE(23,82)
82 FORMAT(5X,'SIMULATED VOTE: ADJUSTED FOR UNDECIDEDS, ANDERSON,
& AND TURNOUT')
WRITE(23,12) DATE1, ITIME, IPAGE
WRITE(23,14)
WRITE(23,17)
WRITE(23,18)
WRITE(23,20)
TYPE 84
84 FORMAT(1X,'SELECT TURNOUT OPTION',/,1X,'OPTION #1 = ,
&USE STATE AND REGIONAL ESTIMATES',/,1X,'OPTION #2 =
&USE NATIONAL ESTIMATES FOR ALL STATES',/,1X,'ENTER
&A 1 OR A 2.')
ACCEPT 62, IOPT3
IF (IOPT3 .EQ. 2) 88, 96
88 TYPE 90
90 FORMAT(1X,'ENTER % TURNOUT OF REAGAN VOTE.')
ACCEPT 68, RTURN
TYPE 92
92 FORMAT(1X,'ENTER % TURNOUT OF CARTER VOTE.')
ACCEPT 68, CTURN
TYPE 94
94 FORMAT(1X,'ENTER % TURNOUT OF ANDERSON VOTE.')
ACCEPT 68, ATURN
96 DO 98 I = 1, 50
IF (IOPT3 .EQ. 1) 100, 102

```



```

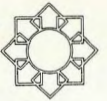
100 RT = PARMS(I,6) * V(I,3)
   CT = PARMS(I,7) * V(I,4)
   AT = PARMS(I,8) * V(I,5)
   TOTAL = RT + CT + AT
   V(I,3) = (RT/TOTAL) * 100
   V(I,4) = (CT/TOTAL) * 100
   V(I,5) = (AT/TOTAL) * 100
   GO TO 104
102 RT = RTURN * V(I,3)
   CT = CTURN * V(I,4)
   AT = ATURN * V(I,5)
   TOTAL = RT + CT + AT
   V(I,3) = (RT/TOTAL) * 100
   V(I,4) = (CT/TOTAL) * 100
   V(I,5) = (AT/TOTAL) * 100
104 AMARG = V(I,3) - V(I,4)
   IF (AMARG .GE. .1) REV = REV + V(I,2)
   IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
   IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
   IF (I .EQ. 1) WRITE(23,24)
   IF (I .EQ. 8) WRITE(23,26)
   IF (I .EQ. 21) WRITE(23,28)
   KK = V(I,1)
   WRITE(23,30) (ISTATE(KK,J), J=1,3), V(I,2), AMARG, REV, CEV, TEV,
&(V(I,K), K=3,5)
98 CONTINUE
   WRITE(23,20)
   WRITE(23,10)
   WRITE(23,110)
110 FORMAT(T10, 'PARAMETERS USED IN THE SIMULATION')
   WRITE(23,12) DATE1, ITIME, IPAGE
   WRITE(23,14)
   WRITE(23,112)
112 FORMAT(T5, 'PARAMETER', T60, 'VALUE')
   WRITE(23,20)
   WRITE(23,114) RUD
114 FORMAT(/, T5, 'ADJUSTED FOR UNDECIDED', /, T5, '% UNDECIDED TO
&REAGAN', T60, F4.2)
   WRITE(23,116) CUD
116 FORMAT(T5, '% UNDECIDED TO CARTER', T60, F4.2)
   WRITE(23,118) AUD
118 FORMAT(T5, '% UNDECIDED TO ANDERSON', T60, F4.2)
   WRITE(23,120) RAND
120 FORMAT(/, T5, 'ADJUSTED FOR DECLINE OF ANDERSON', T5,
&'% ANDERSON TO REAGAN', T60, F4.2)
   WRITE(23,122) CAND
122 FORMAT(T5, '% OF ANDERSON TO CARTER', T60, F4.2)
   AAND = 100.0 - (RAND + CAND) 1.00
   WRITE(23,124) AAND
124 FORMAT(T5, '% OF ANDERSON STAYING FIRM', T60, F4.2)
   WRITE(23,126) RTURN
126 FORMAT(/, T5, 'ADJUSTMENTS FOR TURNOUT', /, T5,
&'TURNOUT PROBABILITY OF REAGAN VOTE', T60, F4.2)
   WRITE(23,128) CTURN, ATURN
128 FORMAT(T5, 'TURNOUT PROBABILITY OF CARTER VOTE', T60, F4.2, /,
&T5, 'TURNOUT PROBABILITY OF ANDERSON VOTE', T60, F4.2)
   WRITE(23,20)
   WRITE(23,10)
   STOP
   END

```

&IVOTES(5), ICUM(5)

96 FORMAT(4A4, 1X, I2, T22, I3, 1X, I3, T30, I3, 1X, I3, T40, I3, 1X, I3,
&T50, I3, 1X, I3, T60, I3, 1X, I3)

Decision/Making/Information



IF (I .EQ. 7) 98, 104

98 WRITE(23,100) (ICUM(K),K=1,5)

100 FORMAT('** SUBTOTAL **', T26, I3, T34, I3, T44, I3, T54, I3, T65, I2)

DO 102 J=1,5

ISIZE(J)=0

102 CONTINUE

104 IF (I .EQ. 20) 106, 112

106 WRITE(23,108) (ICUM(K),K=1,5)

108 FORMAT('** SUBTOTAL **', T26, I3, T34, I3, T44, I3, T54, I3, T65, I2)

DO 110 J=1,5

ISIZE(J) = 0

110 CONTINUE

112 IF (I .EQ. 50) 114, 200

114 WRITE (23,116) (ICUM(K),K=1,5)

116 FORMAT('** SUBTOTAL **', T26, I3, T34, I3, T44, I3, T54, I3, T65, I2)

WRITE(23,118) (ICUM(K),K=1,5)

118 FORMAT('TOTAL', T26, I3, T34, I3, T44, I3, T54, I3, T65, I2)

WRITE(23,120)

120 FORMAT(70(' '))

200 CONTINUE

STOP

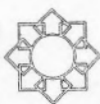
END



```

C ELECTR.FOR OUTPUTS THE ELECTORAL VOTE COUNT FOR
C EACH CANDIDATE BY STATE BASED ON THE MOST RECENT
C SURVEY DATA AVAILABLE. PROC WRITTEN 2-SEPT-80
  INTEGER IBALOT(6), IVOTES(5), ICUM(5), ISIZE(5), ISTATE(4)
  DOUBLE PRECISION IDATE
  OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
  OPEN(UNIT=22,ACCESS='SEQIN',FILE='STATES.LBL')
  OPEN(UNIT=23,ACCESS='SEQOUT',FILE='ELVOT.DAT')
  CALL DATE(IDATE)
  CALL TIME(ETIME)
  WRITE(23,10)
10 FORMAT(T20,'ELECTORAL VOTES BY STATE')
  WRITE(23,12) IDATE, ETIME
12 FORMAT(T15,'DATE: ',A10,T40,'TIME: ',A5)
  WRITE(23,14)
14 FORMAT(70('='))
  WRITE(23,16)
16 FORMAT('STATE',T16,'ELEC.',T23,'REAGAN',T32,'CARTER',
  &T40,'ANDER-',T50,'TOO CLOSE',T60,'NO DATA')
  WRITE(23,18)
18 FORMAT(T16,'VOTES',T40,'SON',T50,'TO CALL')
  WRITE(23,20)
20 FORMAT(70('-'))
  DO 21 K=1,5
    ICUM(K) = 0
21 CONTINUE
  DO 200 I=1,50
    REWIND 22
    READ(21,22) (IBALOT(J),J=1,6)
22 FORMAT(6I2,14X)
    DO 24 J=1,5
      IVOTES(J) = 0
24 CONTINUE
    IF (IBALOT(3) .EQ. 0) 26, 28
26 IVOTES(5) = IBALOT(2)
    ICUM(5) = ICUM(5) + IBALOT(2)
    ISIZE(5) = ISIZE(5) + IBALOT(2)
    GO TO 90
28 IF (IBALOT(3) .EQ. IBALOT(4) .OR. IBALOT(3) .EQ. IBALOT(5)
    &.OR. IBALOT(4) .EQ. IBALOT(5)) 30, 32
30 IVOTES(4) = IBALOT(2)
    ICUM(4) = ICUM(4) + IBALOT(2)
    ISIZE(4) = ISIZE(4) + IBALOT(2)
    GO TO 90
32 IF (IBALOT(3) .GT. IBALOT(4) .AND. IBALOT(3) .GT. IBALOT(5)) 34,36
34 IVOTES(1) = IBALOT(2)
    ICUM(1) = ICUM(1) + IBALOT(2)
    ISIZE(1) = ISIZE(1) + IBALOT(2)
    GO TO 90
36 IF (IBALOT(4) .GT. IBALOT(3) .AND. IBALOT(4) .GT. IBALOT(5)) 38,40
38 IVOTES(2) = IBALOT(2)
    ICUM(2) = ICUM(2) + IBALOT(2)
    ISIZE(2) = ISIZE(2) + IBALOT(2)
    GO TO 90
40 IVOTES(3) = IBALOT(2)
    ICUM(3) = ICUM(3) + IBALOT(2)
    ISIZE(3) = ISIZE(3) + IBALOT(2)
90 DO 92 J=1,IBALOT(1)
    READ(22,94) (ISTATE(K),K=1,4)
92 CONTINUE
94 FORMAT(4A4)
    WRITE(23,96)(ISTATE(K),K=1,4), IBALOT(2),IVOTES(1),ICUM(1),
    &IVOTES(2),ICUM(2),IVOTES(3),ICUM(3),IVOTES(4),ICUM(4),

```



```

C   ELECTR.FOR OUTPUTS THE ELECTORAL VOTE COUNT FOR
C   EACH CANDIDATE BY STATE BASED ON THE MOST RECENT
C   SURVEY DATA AVAILABLE.  PROC WRITTEN 2-SEPT-80
      INTEGER IBALOT(6), IVOTES(5), ICUM(5), ISIZE(5), ISTATE(4)
      DOUBLE PRECISION IDATE
      OPEN(UNIT=21,ACCESS='SEQIN',FILE='STABAL.DTA')
      OPEN(UNIT=22,ACCESS='SEQIN',FILE='STATES.LBL')
      OPEN(UNIT=23,ACCESS='SEQOUT',FILE='ELVOT.DAT')
      CALL DATE(IDATE)
      CALL TIME(ETIME)
      WRITE(23,10)
10  FORMAT(T20,'ELECTORAL VOTES BY STATE')
      WRITE(23,12) IDATE, ETIME
12  FORMAT(T15,'DATE: ',A10,T40,'TIME: ',A5)
      WRITE(23,14)
14  FORMAT(70('='))
      WRITE(23,16)
16  FORMAT('STATE',T16,'ELEC.',T23,'REAGAN',T32,'CARTER',
      &T40,'ANDER-',T50,'TOO CLOSE',T60,'NO DATA')
      WRITE(23,18)
18  FORMAT(T16,'VOTES',T40,'SON',T50,'TO CALL')
      WRITE(23,20)
20  FORMAT(70('--'))
      DO 21 K=1,5
        ICUM(K) = 0
21  CONTINUE
      DO 200 I=1,50
        REWIND 22
        READ(21,22) (IBALOT(J),J=1,6)
22  FORMAT(6I2,14X)
        DO 24 J=1,5
          IVOTES(J) = 0
24  CONTINUE
          IF (IBALOT(3) .EQ. 0) 26, 28
26  IVOTES(5) = IBALOT(2)
          ICUM(5) = ICUM(5) + IBALOT(2)
          ISIZE(5) = ISIZE(5) + IBALOT(2)
          GO TO 90
28  IF (IBALOT(3) .EQ. IBALOT(4) .OR. IBALOT(3) .EQ. IBALOT(5)
      &.OR. IBALOT(4) .EQ. IBALOT(5)) 30, 32
30  IVOTES(4) = IBALOT(2)
          ICUM(4) = ICUM(4) + IBALOT(2)
          ISIZE(4) = ISIZE(4) + IBALOT(2)
          GO TO 90
32  IF (IBALOT(3) .GT. IBALOT(4) .AND. IBALOT(3) .GT. IBALOT(5)) 34,36
34  IVOTES(1) = IBALOT(2)
          ICUM(1) = ICUM(1) + IBALOT(2)
          ISIZE(1) = ISIZE(1) + IBALOT(2)
          GO TO 90
36  IF (IBALOT(4) .GT. IBALOT(3) .AND. IBALOT(4) .GT. IBALOT(5)) 38,40
38  IVOTES(2) = IBALOT(2)
          ICUM(2) = ICUM(2) + IBALOT(2)
          ISIZE(2) = ISIZE(2) + IBALOT(2)
          GO TO 90
40  IVOTES(3) = IBALOT(2)
          ICUM(3) = ICUM(3) + IBALOT(2)
          ISIZE(3) = ISIZE(3) + IBALOT(2)
90  DO 92 J=1,IBALOT(1)
      READ(22,94) (ISTATE(K),K=1,4)
92  CONTINUE
94  FORMAT(4A4)
      WRITE(23,96) (ISTATE(K),K=1,4), IBALOT(2),IVOTES(1),ICUM(1),
      &IVOTES(2),ICUM(2),IVOTES(3),ICUM(3),IVOTES(4),ICUM(4),

```

&IVOTES(5),ICUM(5)

96 FORMAT(4A4,1X,I2,T22,I3,1X,I3,T30,I3,1X,I3,T40,I3,1X,I3,
&T50,I3,1X,I3,T60,I3,1X,I3)

Decision/Making/Information



IF (I .EQ. 7) 98, 104

98 WRITE(23,100) (ICUM(K),K=1,5)

100 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
DO 102 J=1,5
ISIZE(J)=0

102 CONTINUE

104 IF (I .EQ. 20) 106, 112

106 WRITE(23,108) (ICUM(K),K=1,5)

108 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
DO 110 J=1,5
ISIZE(J) = 0

110 CONTINUE

112 IF (I .EQ. 50) 114, 200

114 WRITE (23,116) (ICUM(K),K=1,5)

116 FORMAT('** SUBTOTAL **',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
WRITE(23,118) (ICUM(K),K=1,5)

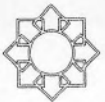
118 FORMAT('TOTAL',T26,I3,T34,I3,T44,I3,T54,I3,T65,I2)
WRITE(23,120)

120 FORMAT(70(' '))

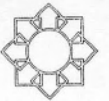
200 CONTINUE

STOP

END



1 1BALLOT STRENGTH (3-WAY)
 REAGAN CARTER ANDERSON UNDECIDED
 2 1BALLOT STRENGTH (2-WAY)
 REAGAN CARTER ANDERSON UNDECIDED
 3 1ANDERSON'S BALLOT IMPACT
 ANDERSON 3-WAY MARG2-WAY MARGDIFFERENCE
 4 1REASON FOR VOTE
 FOR REAGANAGT CARTERFOR CARTERAGT REAGAN
 5 3TURNOUT PROBABILITY - HIGH
 TURNOUT PROBABILITY - MEDIUM
 TURNOUT PROBABILITY - LOW
 REAGAN CARTER ANDERSON UNDECIDED
 6 6BALLOT BY PARTY AFFILIATION - REPUBLICAN
 BALLOT BY PARTY AFFILIATION - INDEPENDENT
 BALLOT BY PARTY AFFILIATION - DEMOCRAT
 BALLOT BY IDEOLOGY - CONSERVATIVE
 BALLOT BY IDEOLOGY - MODERATE
 BALLOT BY IDEOLOGY - LIBERAL
 REAGAN CARTER ANDERSON UNDECIDED
 7 1IMAGE: KNOW ABOUT REAGAN
 GREAT DEALFAIR AMONTVRY LITTLEDON'T KNOW
 8 12IMAGE: TOO DUMB TO BE PRESIDENT
 IMAGE: A DANGEROUS PERSON TO HAVE IN WHITE HOUSE
 IMAGE: LIKELY TO DECEIVE AMERICAN PEOPLE
 IMAGE: HAS STRONG LEADERSHIP QUALITIES
 IMAGE: KEEP AFTER PROBLEM UNTIL HE GOT RESULTS
 IMAGE: CARES ABOUT THE ELDERLY & DISADVANTAGED
 IMAGE: WOULD LIKELY START AN UNNECESSARY WAR
 IMAGE: TRUSTWORTHY
 IMAGE: WOULD BRING HONEST MORAL LEADERSHIP
 IMAGE: BEST HOPE TO REDUCE INFLATION
 IMAGE: COMPETENT
 IMAGE: WOULD TELL TRUTH EVEN IF IT HURT
 REAGAN CARTER REG MARGIN ANDERSON
 9 1ISSUES: MOST IMPORTANT NATIONAL PROBLEM
 INFLATION ECONOMY-ONUNEMPLOYMTFOR AFFAIR

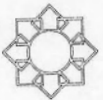


STOP

END OF EXECUTION

CPU TIME: 30.49 ELAPSED TIME: 12:20.50

EXIT



PINSUD.FOR IS DESIGNED TO UPDATE THE PINS.DAT DATA FILE.
MODIFICATIONS MAY BE EITHER OF TWO TYPES: (1) ADDITION OF
DATA FROM A RECENT NATIONWIDE SURVEY OR (2) ADDITION OF
VARIABLES NOT PRESENTLY CONTAINED IN THE PINS.DAT FILE.

INITIALIZE ARRAYS AND VARIABLES

```

INTEGER NSG(11),ISH(25,11,5),IPC(25,11,20,4)
INTEGER ICHG(25,11,20,4),ISZ(25,11),ITP(25,11)
INTEGER IAG(25,4),ICAG(25,4),ITG(25,11),IDV(25,11,20)
DOUBLE PRECISION IH(25),ISRV(20),CAND(4)
REAL AVPC(25,11,4),SUM(4),IAVA(4)
DATA CAND(1)/'REAGAN'/,CAND(2)/'CARTER'/,
CCAND(3)/'ANDERSON'/,CAND(4)/'UNDECIDED'/

```

READ IN HEADINGS AND SUBHEADINGS

```

OPEN(UNIT=20,FILE='PINS.LBL')
N=0
20 N=N+1
READ(20,400,END=25) NSG(N),IH(N)
N1=NSG(N)
DO 22 J=1,N1
READ(20,405) (ISH(N,J,L),L=1,5)
22 CONTINUE
GO TO 20
25 NGRP=N-1
CLOSE(UNIT=20,FILE='PINS.LBL')

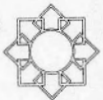
```

READ IN BALLOT PERCENTAGES

```

OPEN(UNIT=20,FILE='PINS.DAT')
READ(20,406) NSRV
DO 30 N2=1,NSRV
READ(20,408) ISRV(N2)
READ(20,415) (IAG(N2,L),L=1,4)
IF (N2.EQ.1) GO TO 30
READ(20,415) (ICAG(N2,L),L=1,4)
30 CONTINUE
READ(20,420) (IAVA(L),L=1,4)
DO 38 I=1,NGRP
N1=NSG(I)
DO 36 J=1,N1
READ(20,410) ISZ(I,J),ITP(I,J),ITG(I,J)
DO 32 M=1,NSRV
READ(20,412) IDV(I,J,M),(IPC(I,J,M,L),L=1,4)
IF (M.EQ.1) GO TO 32
READ(20,415) (ICHG(I,J,M,L),L=1,4)
32 CONTINUE
READ(20,420) (AVPC(I,J,L),L=1,4)
36 CONTINUE
38 CONTINUE
CLOSE(UNIT=20,FILE='PINS.DAT')
TYPE 300
TYPE 302
ACCEPT 406, MDC
IF (MDC.EQ.2) GO TO 50

```



ADD NEW SURVEY DATA

```

40 NSRV=NSRV+1
   M=NSRV
   TYPE 480
   ACCEPT 485, MONTH
   ENCODE(10,490,ISRV(M)) MONTH
41 TYPE 495, ISRV(M)
   DO 42 L=1,4
   TYPE 505, CAND(L)
   ACCEPT 510, IAG(M,L)
42 CONTINUE
   TYPE 515
   TYPE 520, (IAG(M,L),L=1,4)
   TYPE 525
   ACCEPT 530, ANS
   IF (ANS.NE.'Y') GO TO 41
   DO 43 L=1,4
   ICAG(M,L)=IAG(M,L)-IAG(M-1,L)
43 CONTINUE
   DO 46 I=1,NGRP
   N1=NSG(I)
   DO 47 J=1,N1
44 TYPE 500, IH(I),(ISH(I,J,L),L=1,5)
   DO 45 L=1,4
   TYPE 505, CAND(L)
   ACCEPT 510, IPC(I,J,M,L)
45 CONTINUE
   TYPE 515
   TYPE 520, (IPC(I,J,M,L),L=1,4)
   TYPE 525
   ACCEPT 530, ANS
   IF (ANS.NE.'Y') GO TO 44
   IDV(I,J,M)=IPC(I,J,M,1)-ITG(I,J)
   IF (IPC(I,J,M,1).EQ.999.OR.ITG(I,J).EQ.999) IDV(I,J,M)=999
   DO 46 L=1,4
   ICHG(I,J,M,L)=IPC(I,J,M,L)-IPC(I,J,M-1,L)
   IF (IPC(I,J,M,L).EQ.999.OR.IPC(I,J,M-1,L).EQ.999)
     CICHG(I,J,M,L)=999
46 CONTINUE
47 CONTINUE
48 CONTINUE
   GO TO 68

```

ADD VARIABLES

```

50 TYPE 600
   ACCEPT 406,NGA
   DO 62 I=NGRP+1,NGRP+NGA
   TYPE 605
   ACCEPT 408, IH(I)
   TYPE 610, IH(I)
   ACCEPT 406, NSG(I)
   N1=NSG(I)
   DO 60 J=1,N1
   TYPE 615, J,IH(I)
   ACCEPT 405, (ISH(I,J,L),L=1,5)
   TYPE 617, IH(I),(ISH(I,J,L),L=1,5)

```



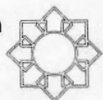
```

ACCEPT 510, ISZ(I,J)
TYPE 619, IH(I), (ISH(I,J,L), L=1,5)
ACCEPT 510, ITP(I,J)
TYPE 620, IH(I), (ISH(I,J,L), L=1,5)
ACCEPT 510, ITG(I,J)
DO 58 M=1, NSRV
52 TYPE 630, ISRV(M)
TYPE 500, IH(I), (ISH(I,J,L), L=1,5)
DO 54 L=1,4
TYPE 505, CAND(L)
ACCEPT 510, IPC(I,J,M,L)
54 CONTINUE
TYPE 515
TYPE 520, (IPC(I,J,M,L), L=1,4)
TYPE 525
ACCEPT 530, ANS
IF (ANS.NE.'Y') GO TO 52
IDV(I,J,M)=IPC(I,J,M,1)-ITG(I,J)
IF (IPC(I,J,M,1).EQ.999.OR.ITG(I,J).EQ.999) IDV(I,J,M)=999
IF (M.EQ.1) GO TO 58
DO 56 L=1,4
ICHG(I,J,M,L)=IPC(I,J,M,L)-IPC(I,J,M-1,L)
IF (IPC(I,J,M,L).EQ.999.OR.IPC(I,J,M-1,L).EQ.999)
CICHG(I,J,M,L)=999
56 CONTINUE
58 CONTINUE
60 CONTINUE
62 CONTINUE
NGRP=NGRP+NGA

!
! OUTPUT NEW LABELS FILE
!
OPEN(UNIT=20, FILE='PINS.LBL')
DO 66 I=1, NGRP
WRITE(20,400) NSG(I), IH(I)
N1=NSG(I)
DO 64 J=1, N1
WRITE(20,405) (ISH(I,J,L), L=1,5)
64 CONTINUE
66 CONTINUE
CLOSE(UNIT=20, FILE='PINS.LBL')

!
! COMPUTE AVERAGE PERCENTAGE POINT CHANGE
!
68 DO 71 L=1,4
SUM(L)=0
DO 70 M=1, NSRV
SUM(L)=SUM(L)+ICAG(M,L)
70 CONTINUE
IAVA(L)=SUM(L)/(NSRV-1)
71 CONTINUE
DO 78 I=1, NGRP
N1=NSG(I)
DO 76 J=1, N1
DO 74 L=1,4
SUM(L)=0
NP=0
DO 72 M=2, NSRV

```



```

      IF (ICHG(I,J,M,L).EQ.999) GO TO 72
      SUM(L)=SUM(L)+ICHG(I,J,M,L)
      NP=NP+1
72  CONTINUE
      IF (NP.EQ.0) GO TO 73
      AVPC(I,J,L)=SUM(L)/NP
      GO TO 74
73  AVPC(I,J,L)=99.9
74  CONTINUE
76  CONTINUE
78  CONTINUE

```

OUTPUT NEW DATA SET

```

80  OPEN(UNIT=20,FILE='PINS.DAT')
      WRITE(20,406) NSRV
      DO 82 I=1,NSRV
        WRITE(20,408) ISRV(I)
        WRITE(20,415) (IAG(I,L),L=1,4)
        IF (I.EQ.1) GO TO 82
        WRITE(20,415) (ICAG(I,L),L=1,4)
82  CONTINUE
        WRITE(20,420) (IAVA(L),L=1,4)
        DO 88 I=1,NGRP
          N1=NSG(I)
          DO 86 J=1,N1
            WRITE(20,410) ISZ(I,J),ITP(I,J),ITG(I,J)
            DO 84 M=1,NSRV
              WRITE(20,412) IDV(I,J,M),(IPC(I,J,M,L),L=1,4)
              IF (M.EQ.1) GO TO 84
              WRITE(20,415) (ICHG(I,J,M,L),L=1,4)
84  CONTINUE
            WRITE(20,420) (AVPC(I,J,L),L=1,4)
86  CONTINUE
88  CONTINUE

```

FORMAT STATEMENTS

INPUT/OUTPUT

```

300  FORMAT(1H1,'ENTER MODIFICATION CODE: ')
302  FORMAT(1H , '1 = NEW SURVEY DATA / 2 = NEW VARIABLES')
400  FORMAT(I2,A10)
405  FORMAT(5A5)
406  FORMAT(I2)
408  FORMAT(A10)
410  FORMAT(3I3)
412  FORMAT(5I3)
415  FORMAT(4I3)
420  FORMAT(4F5.1)

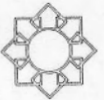
```

NEW SURVEY DATA

```

480  FORMAT(1H1,'ENTER NAME OF MONTH OF SURVEY')
485  FORMAT(A5)
490  FORMAT(A5,' 1980')
495  FORMAT(1H , 'AGGREGATE BALLOT PERCENTAGES FOR: ',A10)
500  FORMAT(1H , 'BALLOT PERCENTAGES FOR: ',A10,' - ',5A5)
505  FORMAT(1H , 'ENTER PERCENTAGE FOR ',A10,' MISSING = 999')
510  FORMAT(I3)

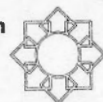
```



```
515 FORMAT(1H , 'REAGAN CARTER ANDERSON UNDECIDED')
520 FORMAT(1H , 1X, I3, 5X, I3, 6X, I3, 8X, I3)
525 FORMAT(1H , 'IS THE ABOVE DATA OK? -- TYPE Y OR N')
530 FORMAT(A1)
```

NEW VARIABLES

```
600 FORMAT(1H1, 'ENTER NUMBER OF VARIABLES TO BE ADDED')
605 FORMAT(1H , 'ENTER VARIABLE LABEL (E.G. PARTY)')
610 FORMAT(1H , 'ENTER NUMBER OF SUBGROUPS FOR ', A10)
615 FORMAT(1H , 'ENTER SUBGROUP LABEL # ', I2, ' FOR ', A10)
617 FORMAT(1H , 'ENTER SUBGROUP SIZE FOR ', A10, ' - ', 5A5)
619 FORMAT(1H , 'ENTER TURNOUT PROB. FOR ', A10, ' - ', 5A5)
620 FORMAT(1H , 'ENTER TARGET PERCENT FOR ', A10, ' - ', 5A5)
630 FORMAT(1H , 'DATA FOR D/M/I SURVEY: ', A10)
800 STOP
    END
```



```
SUBROUTINE SKIP(N5)
DO 10 I=1,N5
WRITE(22,100)
10 CONTINUE
RETURN
100 FORMAT(1H ,5H      )
END

!
! SUBROUTINE FOR MISSING ITEMS
!
SUBROUTINE MISS(ISTATE,LITEM,I5,*)
INTEGER ISTATE(3),LITEM(10)
WRITE(5,100) ISTATE
IF (I5.EQ.0) GO TO 10
WRITE(5,105) LITEM
10 RETURN 1
100 FORMAT(1H0,'NO DATA FOR ',3A5)
105 FORMAT(1H , 'ON ',10A5)
END

!
! SUBROUTINE TO SKIP TO NEXT PAGE
!
SUBROUTINE PAGE(N6,ISTATE,IDAT1,IPAGE)
INTEGER ISTATE(3)
DOUBLE PRECISION IDAT1
N6=58-N6+8
DO 10 I=1,N6
WRITE(22,110)
10 CONTINUE
WRITE(22,100) ISTATE,IDAT1
WRITE(22,102) IPAGE
DO 20 I=1,2
WRITE(22,110)
20 CONTINUE
RETURN
100 FORMAT(1H , 'HIGHLIGHTS FOR ',3A5,T59,A10)
102 FORMAT(1H ,T61,'PAGE',I3)
110 FORMAT(1H ,5H      )
END
```



```

      NL=NSRV(I)+4
      IF (NSRV(I).EQ.1) GO TO 64
      NL=NL+1
64    IF (NL.LE.NRL) GO TO 66
      IPG=IPG+1
      TYPE 1000, IPG,NTL
1000  FORMAT(2I8)
      CALL PAGE(NTL,STATE,IDATE,IPG)
      NTL=0
66    WRITE(22,200) (TITLE(I,K,L),L=1,10)
      WRITE(22,205) (HEADR(I,L),L=1,4)
      WRITE(22,210)
      WRITE(22,215) ISRV(I,K,1),(IPC(I,K,1,L),L=1,4)
      IF (NSRV(I).EQ.1) GO TO 70
      NSV=NSRV(I)
      DO 68 J=2,NSV
      WRITE(22,220) ISRV(I,K,J),IPC(I,K,J,1),
      CICHG(I,K,J,1),IPC(I,K,J,2),ICHG(I,K,J,2),
      CIPC(I,K,J,3),ICHG(I,K,J,3),IPC(I,K,J,4),
      CICHG(I,K,J,4)
68    CONTINUE
      WRITE(22,225) (AVPC(I,K,L),L=1,4)
70    CALL SKIP(3)
      NTL=NTL+NL+3
72    CONTINUE
      IF (ITT.NE.0) GO TO 52
80    CONTINUE

```

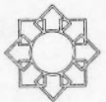
FORMAT STATEMENTS

```

100  FORMAT(1H0,'ENTER OUTPUT FILE NAME')
105  FORMAT(A10)
150  FORMAT(3A5)
155  FORMAT(2I2,10A5)
160  FORMAT(10A5)
165  FORMAT(4A10)
170  FORMAT(2I2)
175  FORMAT(4X,A10,4I3)
180  FORMAT(1H0,'HILITE OUTPUTS PRESIDENTIAL SURVEY HIGHLIGHTS
      C BY STATE.')
182  FORMAT(1H0,'ENTER DESIRED STATE CODE')
184  FORMAT(1H ,'(ENTER 0 FOR ALL STATES OR 99 TO EXIT)')
186  FORMAT(1H0,'ENTER CODE FOR ITEM # ',I2)
188  FORMAT(1H ,'(ENTER 0 FOR ALL ITEMS OR 99 TO EXIT)')
190  FORMAT(I2)
200  FORMAT(1H ,10A5)
205  FORMAT(1H0,2X,'D/M/I SURVEY',4(3X,A10))
210  FORMAT(1H ,2X,12(' '),4(3X,10(' ')))
215  FORMAT(1H ,3X,A10,5X,I3,3(10X,I3))
220  FORMAT(1H ,3X,A10,4(5X,I3,2X,I3))
225  FORMAT(1H ,2X,'AVG % CHANGE',5X,F5.1,3(8X,F5.1))
250  FORMAT(3A5)
255  FORMAT(10A5)
999  STOP
      END

```

SUBROUTINE TO SKIP LINES



```

      IF (IT.EQ.1) REREAD 177, ISRV(3,K,M)
      IF (M.EQ.1) GO TO 26
      DO 24 L=1,4
      ICHG(IT,K,M,L)=IPC(IT,K,M,L)-IPC(IT,K,M-1,L)
      SUM(L)=SUM(L)+ICHG(IT,K,M,L)
24  CONTINUE
26  CONTINUE
      DO 30 L=1,4
      AVPC(IT,K,L)=SUM(L)/(NSV-1)
      SUM(L)=0
30  CONTINUE
32  CONTINUE
33  CONTINUE
      CLOSE(UNIT=21,FILE='HILITE.DAT')
      NSRV(3)=NSRV(1)
      NSV=NSRV(3)
      DO 35 K1=1,NSV
      IPC(3,1,K1,1)=IPC(1,1,K1,3)
      IPC(3,1,K1,2)=IPC(1,1,K1,1)-IPC(1,1,K1,2)
      IPC(3,1,K1,3)=IPC(2,1,K1,1)-IPC(2,1,K1,2)
      IPC(3,1,K1,4)=IPC(3,1,K1,2)-IPC(3,1,K1,3)
      IF (K1.EQ.1) GO TO 35
      DO 34 L=1,4
      ICHG(3,1,K1,L)=IPC(3,1,K1,L)-IPC(3,1,K1-1,L)
      SUM(L)=SUM(L)+ICHG(3,1,K1,L)
34  CONTINUE
35  CONTINUE
      DO 36 L=1,4
      AVPC(3,1,L)=SUM(L)/(NSV-1)
      SUM(L)=0
36  CONTINUE
      GO TO 50
37  CALL MISS(STATE,NONE,0,$38)
38  CLOSE(UNIT=21,FILE='HILITE.DAT')
      GO TO 20

```

SPECIFY PROGRAM PARAMETERS

```

50  N1=0
      CALL PAGE(62,STATE,IDATE,1)
52  N1=N1+1
55  TYPE 186, N1
      TYPE 188
      ACCEPT 190, ITT
      IF (ITT.EQ.99) GO TO 20
      IF (ITT.EQ.0) GO TO 60
      ENCODE(50,255,ITEM) (TITLE(ITT,1,L),L=1,10)
      IF (NSRV(ITT).EQ.0) CALL MISS(STATE,ITEM,1,$55)
      I=ITT
      GO TO 62

```

OUTPUT TABLE

```

60  DO 80 I=1,NT
      IF (NSRV(I).EQ.0) GO TO 70
62  NST=ISG(I)
      DO 72 K=1,NST
      NRL=54-NTL

```



HILITE.FOR IS A FORTRAN ROUTINE WHICH PRODUCES A
 SERIES OF PRESIDENTIAL SURVEY HIGHLIGHTS FOR A DESIGNATED
 STATE. HILITE.FOR USES DATA IN HILITE.DAT AND LABELS IN
 HILITE.LBL AND STATES.LBL.

INITIALIZE PROGRAM

```

    INTEGER LST(50,3),TITLE(10,10,10),IPC(10,10,20,4)
    INTEGER NSRV(10),ICHG(10,10,20,4),ISG(10),ITEM(10)
    INTEGER STATE(3)
    REAL AVPC(10,10,4),SUM(4)
    DOUBLE PRECISION HEADR(10,4),ISRV(10,10,20),FILED
    DOUBLE PRECISION IDATE
    DATA NT,NTL/2*0/,IPG/1/,NONE/'NONE'/
    CALL DATE(IDATE)
  
```

READ IN STATE AND OUTPUT LABELS

```

    TYPE 100
    ACCEPT 105, FILED
    OPEN(UNIT=22,FILE=FILED)
    OPEN(UNIT=20,FILE='STATES.LBL')
    DO 10 I=1,50
    READ(20,150) (LST(I,L),L=1,3)
10  CONTINUE
    CLOSE(UNIT=20,FILE='STATES.LBL')
    OPEN(UNIT=20,FILE='HILITE.LBL')
12  NT=NT+1
    READ(20,155,END=20) IT,ISG(IT),(TITLE(IT,1,L),L=1,10)
    IF (ISG(IT).EQ.1) GO TO 16
    N1=ISG(IT)
    DO 14 I=2,N1
    READ(20,160) (TITLE(IT,I,L),L=1,10)
14  CONTINUE
16  READ(20,165) (HEADR(IT,L),L=1,4)
    GO TO 12
18  NT=NT-1
    CLOSE(UNIT=20,FILE='HILITE.LBL')
  
```

READ DATA

```

    TYPE 180
20  TYPE 182
    TYPE 184
    ACCEPT 190, IST
    IF (IST.EQ.99) GO TO 999
    IF (IST.GT.50) GO TO 20
    ENCODE(15,250,STATE) (LST(IST,L),L=1,3)
    OPEN(UNIT=21,FILE='HILITE.DAT')
22  READ(21,170,END=37) IS,NIT
    IF (IS.NE.IST) GO TO 22
    DO 33 I=1,NIT
    READ(21,170) IT,NSRV(IT)
    NST=ISG(IT)
    NSV=NSRV(IT)
    DO 32 K=1,NST
    DO 26 M=1,NSV
    READ(21,175) ISRV(IT,K,M),(IPC(IT,K,M,L),L=1,4)
  
```



PINS.FOR IS A FORTRAN PROGRAM WHICH OUTPUTS TO THE USER'S TERMINAL COMPARATIVE BALLOT INFORMATION ON THE MAJOR PRESIDENTIAL CANDIDATES FOR 1980. OUTPUT IS FORMATTED IN INDIVIDUAL TABLES BY POLITICAL AND DEMOGRAPHIC SUBGROUPS AND BY SURVEY. PINS.FOR UTILIZES THE DATA IN PINS.DAT AND THE LABELS IN PINS.LBL. PINSUD.FOR MAY BE USED TO UPDATE PINS.DAT.

INITIALIZE ARRAYS AND VARIABLES

```
INTEGER NSG(11), ISH(25,11,5), IPC(25,11,20,4)
INTEGER ICHG(25,11,20,4), ISZ(25,11), ITP(25,11)
INTEGER ITG(25,11), IDV(25,11,20)
INTEGER AVPC(25,11,4), IAG(20,4), ICAG(20,4), IAVA(4)
DOUBLE PRECISION IH(25), ISRV(20), IDATE
```

READ IN HEADINGS AND SUBHEADINGS

```
OPEN(UNIT=20, FILE='PINS.LBL')
N=0
20 N=N+1
  READ(20,400,END=25) NSG(N), IH(N)
  N1=NSG(N)
  DO 22 J=1,N1
    READ(20,405) (ISH(N,J,L), L=1,5)
22 CONTINUE
  GO TO 20
25 NGRP=N-1
  CLOSE(UNIT=20, FILE='PINS.LBL')
```

READ IN BALLOT PERCENTAGES

```
OPEN(UNIT=20, FILE='PINS.DAT')
READ(20,406) NSRV
DO 30 N2=1, NSRV
  READ(20,408) ISRV(N2)
  READ(20,415) (IAG(N2,L), L=1,4)
  IF (N2.EQ.1) GO TO 30
  READ(20,415) (ICAG(N2,L), L=1,4)
30 CONTINUE
  READ(20,420) (IAVA(L), L=1,4)
  DO 38 I=1, NGRP
    N1=NSG(I)
    DO 36 J=1, N1
      READ(20,410) ISZ(I,J), ITP(I,J), ITG(I,J)
      DO 32 M=1, NSRV
        READ(20,412) IDV(I,J,M), (IPC(I,J,M,L), L=1,4)
        IF (M.EQ.1) GO TO 32
        READ(20,415) (ICHG(I,J,M,L), L=1,4)
32 CONTINUE
      READ(20,420) (AVPC(I,J,L), L=1,4)
36 CONTINUE
38 CONTINUE
  CLOSE(UNIT=20, FILE='PINS.DAT')
```

CHECK FOR MISSING DATA

```
DO 48 I=1, NGRP
```



```

N1=NSQ(I)
DO 46 J=1,N1
  IF (ITP(I,J).EQ.'999') ENCODE(3,430,ITP(I,J))
  IF (ITG(I,J).EQ.'999') ENCODE(3,430,ITG(I,J))
  DO 40 L=1,4
    IF (AVPC(I,J,L).EQ.'99.9') ENCODE(5,435,AVPC(I,J,L))
40 CONTINUE
  DO 44 M=1,NSRV
    IF (IDV(I,J,M).EQ.'999') ENCODE(3,430,IDV(I,J,M))
    DO 42 L=1,4
      IF (IPC(I,J,M,L).EQ.'999') ENCODE(3,430,IPC(I,J,M,L))
      IF (M.EQ.1) GO TO 42
      IF (ICHG(I,J,M,L).EQ.'999') ENCODE(3,430,ICHG(I,J,M,L))
42 CONTINUE
44 CONTINUE
46 CONTINUE
48 CONTINUE

```

INTRODUCE PROGRAM AND CATEGORIES

```

CALL DATE (IDATE)
WRITE(5,440) IDATE
WRITE(5,442)
DO 50 I=1,NGRP
  WRITE(5,444) I,IH(I)
50 CONTINUE
  WRITE(5,446)
  ACCEPT 448, ICR

```

OUTPUT BALLOT TABLES

```

WRITE(5,510)
WRITE(5,520)
WRITE(5,522)
WRITE(5,540)
WRITE(5,545)
DO 58 M=1,NSRV
  IF (M.GT.1) GO TO 55
  WRITE(5,550) ISRV(M),(IAG(M,L),L=1,4)
  GO TO 58
55 WRITE(5,555) ISRV(M),IAG(M,1),ICAG(M,1),IAG(M,2),ICAG(M,2),
  CIAG(M,3),ICAG(M,3),IAG(M,4),ICAG(M,4)
58 CONTINUE
  WRITE(5,570) (IAVA(L),L=1,4)
  WRITE(5,575)
  PAUSE
  IF (ICR.EQ.0) GO TO 60
  I=ICR
  GO TO 62
60 DO 68 I=1,NGRP
62 K=NSQ(I)
  DO 66 J=1,K
    WRITE(5,510)
    WRITE(5,520)
    WRITE(5,525) IH(I),(ISH(I,J,L),L=1,5)
    WRITE(5,530) ISZ(I,J)
    WRITE(5,535) ITP(I,J)
    WRITE(5,537) ITG(I,J)

```



```

WRITE(5,542)
WRITE(5,547)
DO 64 M=1,NSRV
  IF (M.GT.1) GO TO 63
  WRITE(5,560) ISRV(M),IDV(I,J,M),(IPC(I,J,M,L),L=1,4)
  GO TO 64
63 WRITE(5,565) ISRV(M),IDV(I,J,M),IPC(I,J,M,1),
  CICHG(I,J,M,1),IPC(I,J,M,2),ICHG(I,J,M,2),IPC(I,J,M,3),
  CICHG(I,J,M,3),IPC(I,J,M,4),ICHG(I,J,M,4)
64 CONTINUE
  WRITE(5,570) (AVPC(I,J,L),L=1,4)
  WRITE(5,575)
  PAUSE
66 CONTINUE
68 CONTINUE

```

FORMAT STATEMENTS

INPUT

```

400 FORMAT(I2,A10)
405 FORMAT(5A5)
406 FORMAT(I2)
408 FORMAT(A10)
410 FORMAT(3A3)
412 FORMAT(5A3)
415 FORMAT(4A3)
420 FORMAT(4A5)
430 FORMAT(3H NA)
435 FORMAT(5H NA)

```

EXPLANATION

```

440 FORMAT(1H1,'POLITICAL INFORMATION SYSTEM',T49,A10)
442 FORMAT(1H0,'SELECT ANY ONE OR ALL OF THE FOLLOWING
  C VARIABLES:')
444 FORMAT(1H ,5X,I2,' - ',A10)
446 FORMAT(1H0,'ENTER DESIRED CATEGORY NUMBER (0 = ALL)')
448 FORMAT(I2)

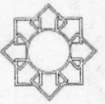
```

OUTPUT

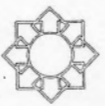
```

510 FORMAT(1H1,68(' - '))
520 FORMAT(1H0,'PRESIDENTIAL BALLOT PERCENTAGES & PERCENTAGE
  CPOINT CHANGE')
522 FORMAT(1H , 'AGGREGATE PERCENTAGES BY SURVEY')
525 FORMAT(1H , 'CONSTITUENCY: ',A10,' -- ',5A5)
530 FORMAT(1H0,5X,'SIZE OF SUBGROUP: ',A3,'%')
535 FORMAT(1H ,5X,'TURNOUT PROBABILITY: ',A3,'%')
537 FORMAT(1H ,5X,'TARGET PERCENT: ',A3,'%')
540 FORMAT(1H0,2X,'D/M/I SURVEYS',12X,'REAGAN      CARTER
  C      ANDERSON  UNDECIDED')
542 FORMAT(1H0,2X,'D/M/I SURVEYS',4X,'DEV.',4X,'REAGAN
  C      CARTER    ANDERSON  UNDECIDED')
545 FORMAT(1H ,2X,13(' - '),8X,3(3X,8(' - ')),3X,9(' - '))
547 FORMAT(1H ,2X,13(' - '),4X,'----',3(3X,8(' - ')),3X,9(' - '))
550 FORMAT(1H ,2X,A10,' %',4X,4(8X,A3))
555 FORMAT(1H ,2X,A10,' %',9X,4(3X,A3,2X,A3))
560 FORMAT(1H ,2X,A10,' %',5X,A3,4X,A3,3(8X,A3))
565 FORMAT(1H ,2X,A10,' %',5X,A3,1X,4(3X,A3,2X,A3))
570 FORMAT(1H ,4X,'AVG % CHANGE ',5X,4(6X,A5))

```



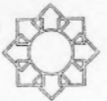
```
575 FORMAT(1H0,68(' '))  
800 STOP  
END
```



```

TY SIMULT.FOR
  INTEGER ISTATE(50,3)
  REAL V(50,6), PARMS(50,8)
  DOUBLE PRECISION DATE1, FILE0
  CALL DATE(DATE1)
  CALL TIME(ETIME)
  OPEN(UNIT=21,FILE='STABAL.DTA')
  OPEN(UNIT=22,FILE='STATES.LBL')
  DO 1 I = 1,50
    READ(21,2) (V(I,J),J=1,6)
    READ(22,3) (ISTATE(I,K),K=1,3)
1  CONTINUE
2  FORMAT(6F2.0)
3  FORMAT(3A5)
  CLOSE(UNIT=21,FILE='STABAL.DTA')
  CLOSE(UNIT=22,FILE='STATES.LBL')
  TYPE 5
5  FORMAT(1X,'ENTER OUTPUT FILENAME.')
  ACCEPT 6, FILE0
6  FORMAT(A10)
  OPEN(UNIT=23,FILE=FILE0,ACCESS='SEQUOT')
  IPAGE = 1
  WRITE(23,10)
10 FORMAT(4(/))
  WRITE(23,11)
11 FORMAT(T15,'CURRENT STATE BY STATE BALLOT: UNADJUSTED')
  WRITE(23,12) DATE1, ETIME, IPAGE
12 FORMAT(T18,A10,T35,A5,T45,'PAGE: ',I2)
  WRITE(23,14)
14 FORMAT(70(' '='))
  WRITE(23,16)
16 FORMAT(T2,'STATE',T18,'EV',T25,'REAGAN',T34,'CARTER',
&T41,'TOSS',T47,'REAGAN',T54,'CARTER',T61,'AND',T66,'UND')
17 FORMAT(T2,'STATE',T18,'EV',T25,'REAGAN',T34,'CARTER',T41,
&'TOSS',T47,'REAGAN',T54,'CARTER',T61,'ANDERSON')
  WRITE(23,18)
18 FORMAT(T22,'MARGIN',T31,'EV',T36,'EV',T42,'UP',T49,'% ',
&T56,'% ',T62,'% ',T68,'% ')
  WRITE(23,20)
20 FORMAT(70(' - '))
  DO 22 I = 1,50
    AMARG = V(I,3) - V(I,4)
    IF (AMARG .GE. .1) REV = REV + V(I,2)
    IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
    IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
    IF (I .EQ. 1) WRITE(23,24)
    IF (I .EQ. 8) WRITE(23,26)
    IF (I .EQ. 21) WRITE(23,28)
    KK = V(I,1)
    WRITE(23,30) (ISTATE(KK,J),J=1,3),V(I,2),AMARG, REV, CEV,
&TEV, (V(I,K),K=3,6)
22 CONTINUE
24 FORMAT(1X,'LARGE ELECTORAL STATES',47('*'))
26 FORMAT(1X,'MEDIUM ELECTORAL STATES',46('*'))
28 FORMAT(1X,'SMALL ELECTORAL STATES',47('*'))
30 FORMAT(1X,3A5,T18,F3.0,T22,F5.1,T31,F4.0,T36,F4.0,T42,
&F4.0,T49,F4.1,T55,F4.1,T61,F4.1,T67,F4.1)
  WRITE(23,20)
  WRITE(23,10)
  IPAGE = IPAGE + 1
  WRITE(23,32)
32 FORMAT(T10,'SUMULATED VOTE: ADJUSTED BY DISTRIBUTING THE

```



```

&UNDECIDEDS')
WRITE(23,12) DATE1, ITIME, IPAGE
WRITE(23,14)
WRITE(23,17)
WRITE(23,18)
WRITE(23,20)
TYPE 34
34 FORMAT(1X,'SELECT UNDECIDED DISTRIBUTION OPTION.')
```

TYPE 35

```

35 FORMAT(1X,'OPTION #1 = USE STATE & REGIONAL ESTIMATES'/,
&1X,'OPTION #2 = NATIONAL ESTIMATES FOR ALL STATES'/,1X
&'ENTER A 1 OR A 2.')
```

ACCEPT 36, IOPT1

```

36 FORMAT(I1)
IF (IOPT1 .EQ. 2) 38, 48
38 TYPE 40
40 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO REAGAN.')
```

ACCEPT 42, RUD

```

42 FORMAT(F2.2)
TYPE 44
44 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO CARTER.')
```

ACCEPT 42, CUD

TYPE 46

```

46 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO ANDERSON.')
```

ACCEPT 42, AUD

```

48 REV = 0.0
CEV = 0.0
TEV = 0.0
DO 50 I = 1,50
IF (IOPT1 .EQ. 1) 52, 54
52 V(I,3) = V(I,3) + (PARMS(I,1) * V(I,6))
V(I,4) = V(I,4) + (PARMS(I,2) * V(I,6))
V(I,5) = V(I,5) + (PARMS(I,3) * V(I,6))
GO TO 56
54 V(I,3) = V(I,3) + (RUD * V(I,6))
V(I,4) = V(I,4) + (CUD * V(I,6))
V(I,5) = V(I,5) + (AUD * V(I,6))
TOTAL = V(I,3) + V(I,4) + V(I,5)
V(I,3) = (V(I,3)/TOTAL) * 100.0
V(I,4) = (V(I,4)/TOTAL) * 100.0
V(I,5) = (V(I,5)/TOTAL) * 100.0
56 AMARG = V(I,3) - V(I,4)
IF (AMARG .GE. .1) REV = REV + V(I,2)
IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
IF (I .EQ. 1) WRITE(23,24)
IF (I .EQ. 8) WRITE(23,26)
IF (I .EQ. 21) WRITE(23,28)
KK = V(I,1)
WRITE(23,30) (ISTATE(KK,J),J=1,3),V(I,2),AMARG,REV,CEV,TEV,
&(V(I,K),K=3,5)
50 CONTINUE
WRITE(23,20)
WRITE(23,10)
IPAGE = IPAGE + 1
REV = 0.0
CEV = 0.0
TEV = 0.0
WRITE(23,58)
58 FORMAT(6X,'SIMULATED VOTE: ADJUSTED FOR UNDECIDEDS AND
&ANDERSON')
WRITE(23,12) DATE1, ITIME, IPAGE
WRITE(23,14)
WRITE(23,17)
WRITE(23,18)
WRITE(23,20)
```

```

TYPE 60
60 FORMAT(1X,'SELECT ANDERSON OPTION',/,1X,'OPTION #1 = ',
&USE STATE AND REGIONAL ESTIMATES',/,1X,'OPTION #2 = ',
&USE NATIONAL REDISTRIBUTION ESTIMATES FOR ALL STATES.',/,
&1X,'ENTER A 1 OR A 2.')
ACCEPT 62, IOPT2
62 FORMAT(I1)
IF (IOPT2 .EQ. 2) 64, 72
64 TYPE 66
66 FORMAT(1X,'ENTER % ANDERSON TO REAGAN.')
ACCEPT 68, RAND
68 FORMAT(F2.2)
TYPE 70
70 FORMAT(1X,'ENTER % ANDERSON TO CARTER.')
ACCEPT 68, CAND
72 REV = 0.0
CEV = 0.0
TEV = 0.0
DO 74 I = 1,50
IF (IOPT2 .EQ. 1) 76, 78
76 RA = PARMS(I,4) * V(I,5)
CA = PARMS(I,5) * V(I,5)
TFAND = RA + CA
GO TO 80
78 RA = RAND * V(I,5)
CA = CAND * V(I,5)
TFAND = RA + CA
80 V(I,5) = V(I,5) - TFAND
V(I,3) = V(I,3) + RA
V(I,4) = V(I,4) + CA
AMARG = V(I,3) - V(I,4)
IF (AMARG .GE. .1) REV = REV + V(I,2)
IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
IF (I .EQ. 1) WRITE(23,24)
IF (I .EQ. 8) WRITE(23,26)
IF (I .EQ. 21) WRITE(23,28)
KK = V(I,1)
WRITE(23,30) (ISTATE(KK,J), J=1,3), V(I,2), AMARG, REV, CEV, TEV,
&(V(I,K), K=3,5)
74 CONTINUE
WRITE(23,20)
WRITE(23,10)
IPAGE = IPAGE + 1
REV = 0.0
CEV = 0.0
TEV = 0.0
WRITE(23,82)
82 FORMAT(5X,'SIMULATED VOTE: ADJUSTED FOR UNDECIDEDS, ANDERSON,
& AND TURNOUT')
WRITE(23,12) DATE1, ITIME, IPAGE
WRITE(23,14)
WRITE(23,17)
WRITE(23,18)
WRITE(23,20)
TYPE 84
84 FORMAT(1X,'SELECT TURNOUT OPTION',/,1X,'OPTION #1 = ',
&USE STATE AND REGIONAL ESTIMATES',/,1X,'OPTION #2 = ',
&USE NATIONAL ESTIMATES FOR ALL STATES',/,1X,'ENTER
&A 1 OR A 2.')
ACCEPT 62, IOPT3
IF (IOPT3 .EQ. 2) 88, 96
88 TYPE 90
90 FORMAT(1X,'ENTER % TURNOUT OF REAGAN VOTE.')
ACCEPT 68, RTURN
TYPE 92

```



92 FORMAT(1X, 'ENTER % TURNOUT OF CARTER VOTE.')

ACCEPT 68, CTURN

TYPE 94

Decision/Making/Information



94 FORMAT(1X, 'ENTER % TURNOUT OF ANDERSON VOTE.')

ACCEPT 68, ATURN

96 DO 98 I = 1, 50

IF (IOPT3 .EQ. 1) 100, 102

100 RT = PARMS(I,6) * V(I,3)

CT = PARMS(I,7) * V(I,4)

AT = PARMS(I,8) * V(I,5)

TOTAL = RT + CT + AT

V(I,3) = (RT/TOTAL) * 100

V(I,4) = (CT/TOTAL) * 100

V(I,5) = (AT/TOTAL) * 100

GO TO 104

102 RT = RTURN * V(I,3)

CT = CTURN * V(I,4)

AT = ATURN * V(I,5)

TOTAL = RT + CT + AT

V(I,3) = (RT/TOTAL) * 100

V(I,4) = (CT/TOTAL) * 100

V(I,5) = (AT/TOTAL) * 100

104 AMARG = V(I,3) - V(I,4)

IF (AMARG .GE. .1) REV = REV + V(I,2)

IF (AMARG .LE. -.1) CEV = CEV + V(I,2)

IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)

IF (I .EQ. 1) WRITE(23,24)

IF (I .EQ. 8) WRITE(23,26)

IF (I .EQ. 21) WRITE(23,28)

KK = V(I,1)

WRITE(23,30) (ISTATE(KK,J), J=1,3), V(I,2), AMARG, REV, CEV, TEV,

&(V(I,K), K=3,5)

98 CONTINUE

WRITE(23,20)

WRITE(23,10)

WRITE(23,110)

110 FORMAT(T10, 'PARAMETERS USED IN THE SIMULATION')

WRITE(23,12) DATE1, ITIME, IPAGE

WRITE(23,14)

WRITE(23,112)

112 FORMAT(T5, 'PARAMETER', T60, 'VALUE')

WRITE(23,20)

WRITE(23,114) RUD

114 FORMAT(/, T5, 'ADJUSTED FOR UNDECIDED', /, T5, '% UNDECIDED TO
&REAGAN', T60, F4.2)

WRITE(23,116) CUD

116 FORMAT(T5, '% UNDECIDED TO CARTER', T60, F4.2)

WRITE(23,118) AUD

118 FORMAT(T5, '% UNDECIDED TO ANDERSON', T60, F4.2)

WRITE(23,120) RAND

120 FORMAT(/, T5, 'ADJUSTED FOR DECLINE OF ANDERSON', T5,
&'% ANDERSON TO REAGAN', T60, F4.2)

WRITE(23,122) CAND

122 FORMAT(T5, '% OF ANDERSON TO CARTER', T60, F4.2)

AAND = 1.00 - (RAND + CAND)

WRITE(23,124) AAND

124 FORMAT(T5, '% OF ANDERSON STAYING FIRM', T60, F4.2)

WRITE(23,126) RTURN

126 FORMAT(/, T5, 'ADJUSTMENTS FOR TURNOUT', /, T5,

&'TURNOUT PROBABILITY OF REAGAN VOTE', T60, F4.2)

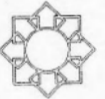
WRITE(23,128) CTURN, ATURN

128 FORMAT(T5, 'TURNOUT PROBABILITY OF CARTER VOTE', T60, F4.2, /,
&T5, 'TURNOUT PROBABILITY OF ANDERSON VOTE', T60, F4.2)

WRITE(23,20)

WRITE(23,10)

STOP



TY PINSAT.BBR

PINSTA.FOR IS A FORTRAN PROGRAM WHICH OUTPUTS TO THE USER'S TERMINAL COMPARATIVE BALLOT INFORMATION BY STATE ON THE MAJOR PRESIDENTIAL CANDIDATES FOR 1980. OUTPUT IS PRESENTED ACCORDING TO STATE AND SURVEY DATE. PINSTA.FOR UTILIZES THE DATA IN PINSTA.DAT AND THE LABELS IN STATES.LBL.

INITIALIZE ARRAYS AND VARIABLES

```
INTEGER IPC(50,25,4), ICHG(50,25,4), IH(50,3), NSRV(50)
INTEGER NEV(50), STATE(3)
REAL AVPC(50,4), SUM(4)
DOUBLE PRECISION ISRV(50,15), IDATE
DATA (SUM(L), L=1,4)/4*0/
```

READ IN STATE LABELS & DATA

```
OPEN(UNIT=20, FILE='STATES.LBL')
OPEN(UNIT=21, FILE='PINSTA.DAT')
OPEN(UNIT=22, ACCESS='SEQOUT', FILE='LNGSTA.DAT')
DO 30 I=1,50
  READ(20,400) (IH(I,L), L=1,3)
30 CONTINUE
35 READ(21,405,END=45) IS, NSRV(IS), NEV(IS)
  N1=NSRV(IS)
  DO 40 M=1,N1
    READ(21,410) ISRV(IS,M), (IPC(IS,M,L), L=1,4)
40 CONTINUE
  GO TO 35
45 CLOSE(UNIT=20, FILE='STATES.LBL')
  CLOSE(UNIT=21, FILE='PINSTA.DAT')
```

OUTPUT OF ALL STATES

COMPUTE PERCENTAGE AND AVG PERCENTAGE CHANGE

```
80 DO 88 I=1,50
  IF (NEV(I).EQ.0) GO TO 88
  NSV=NSRV(I)
  IF (NSV.EQ.1) GO TO 88
  DO 84 M=2,NSV
    DO 82 L=1,4
      ICHG(I,M,L)=IPC(I,M,L)-IPC(I,M-1,L)
      SUM(L)=SUM(L)+ICHG(I,M,L)
82 CONTINUE
84 CONTINUE
  DO 86 L=1,4
    AVPC(I,L)=SUM(L)/(NSV-1)
    SUM(L)=0
86 CONTINUE
88 CONTINUE
```

OUTPUT BALLOT TABLE

```
  ILINE = 10
90 DO 94 I=1,50
  IF (NEV(I).EQ.0) GO TO 94
  IF (ILINE .GE. 35) WRITE(5,180)
180 FORMAT(1H0,66('-',),12(/))

  IF (ILINE .EQ. 10 .OR. ILINE .GE. 35) 190, 192
190 CALL DATE(IDATE)
  CALL TIME(ETIME)
  IPAGE = IPAGE + 1
```




```

TY SIMULT.FOR
  INTEGER ISTATE(50,3)
  REAL V(50,6), PARMS(50,8)
  DOUBLE PRECISION DATE1, FILEO
  CALL DATE(DATE1)
  CALL TIME(ETIME)
  OPEN(UNIT=21,FILE='STABAL.DTA')
  OPEN(UNIT=22,FILE='STATES.LBL')
  DO 1 I = 1,50
    READ(21,2) (V(I,J),J=1,6)
    READ(22,3) (ISTATE(I,K),K=1,3)
  1 CONTINUE
  2 FORMAT(6F2.0)
  3 FORMAT(3A5)
  CLOSE(UNIT=21,FILE='STABAL.DTA')
  CLOSE(UNIT=22,FILE='STATES.LBL')
  TYPE 5
  5 FORMAT(1X,'ENTER OUTPUT FILENAME.')
  ACCEPT 6, FILEO
  6 FORMAT(A10)
  OPEN(UNIT=23,FILE=FILEO,ACCESS='SEQOUT')
  IPAGE = 1
  WRITE(23,10)
  10 FORMAT(4(/))
  WRITE(23,11)
  11 FORMAT(T15,'CURRENT STATE BY STATE BALLOT: UNADJUSTED')
  WRITE(23,12) DATE1, ETIME, IPAGE
  12 FORMAT(T18,A10,T35,A5,T45,'PAGE: ',I2)
  WRITE(23,14)
  14 FORMAT(70('='))
  WRITE(23,16)
  16 FORMAT(T2,'STATE',T18,'EV',T25,'REAGAN',T34,'CARTER',
    &T41,'TOSS',T47,'REAGAN',T54,'CARTER',T61,'AND',T66,'UND')
  17 FORMAT(T2,'STATE',T18,'EV',T25,'REAGAN',T34,'CARTER',T41,
    &'TOSS',T47,'REAGAN',T54,'CARTER',T61,'ANDERSON')
  WRITE(23,18)
  18 FORMAT(T22,'MARGIN',T31,'EV',T36,'EV',T42,'UP',T49,'% ',
    &T56,'% ',T62,'% ',T68,'% ')
  WRITE(23,20)
  20 FORMAT(70('--'))
  DO 22 I = 1,50
    AMARG = V(I,3) - V(I,4)
    IF (AMARG .GE. .1) REV = REV + V(I,2)
    IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
    IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
    IF (I .EQ. 1) WRITE(23,24)
    IF (I .EQ. 8) WRITE(23,26)
    IF (I .EQ. 21) WRITE(23,28)
    KK = V(I,1)
    WRITE(23,30) (ISTATE(KK,J),J=1,3),V(I,2),AMARG, REV, CEV,
    &TEV, (V(I,K),K=3,6)
  22 CONTINUE
  24 FORMAT(1X,'LARGE ELECTORAL STATES',47('*'))
  26 FORMAT(1X,'MEDIUM ELECTORAL STATES',46('*'))
  28 FORMAT(1X,'SMALL ELECTORAL STATES',47('*'))
  30 FORMAT(1X,3A5,T18,F3.0,T22,F5.1,T31,F4.0,T36,F4.0,T42,
    &F4.0,T49,F4.1,T55,F4.1,T61,F4.1,T67,F4.1)
  WRITE(23,20)
  WRITE(23,10)
  IPAGE = IPAGE + 1
  WRITE(23,32)
  32 FORMAT(T10,'SIMULATED VOTE: ADJUSTED BY DISTRIBUTING THE

```

&UNDECIDEDS')

WRITE(23,12) DATE1, ITIME, IPAGE

WRITE(23,14)

WRITE(23,17)

WRITE(23,18)

WRITE(23,20)

TYPE 34

34 FORMAT(1X,'SELECT UNDECIDED DISTRIBUTION OPTION.')

TYPE 35

35 FORMAT(1X,'OPTION #1 = USE STATE & REGIONAL ESTIMATES',//,

&1X,'OPTION #2 = NATIONAL ESTIMATES FOR ALL STATES'//,1X

&'ENTER A 1 OR A 2.')

ACCEPT 36, IOPT1

36 FORMAT(I1)

IF (IOPT1 .EQ. 2) 38, 48

38 TYPE 40

40 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO REAGAN.')

ACCEPT 42, RUD

42 FORMAT(F2.2)

TYPE 44

44 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO CARTER.')

ACCEPT 42, CUD

TYPE 46

46 FORMAT(1X,'ENTER % UNDECIDED THAT GOES TO ANDERSON.')

ACCEPT 42, AUD

48 REV = 0.0

CEV = 0.0

TEV = 0.0

DO 50 I = 1,50

IF (IOPT1 .EQ. 1) 52, 54

52 V(I,3) = V(I,3) + (PARMS(I,1) * V(I,6))

V(I,4) = V(I,4) + (PARMS(I,2) * V(I,6))

V(I,5) = V(I,5) + (PARMS(I,3) * V(I,6))

GO TO 56

54 V(I,3) = V(I,3) + (RUD * V(I,6))

V(I,4) = V(I,4) + (CUD * V(I,6))

V(I,5) = V(I,5) + (AUD * V(I,6))

TOTAL = V(I,3) + V(I,4) + V(I,5)

V(I,3) = (V(I,3)/TOTAL) * 100.0

V(I,4) = (V(I,4)/TOTAL) * 100.0

V(I,5) = (V(I,5)/TOTAL) * 100.0

56 AMARG = V(I,3) - V(I,4)

IF (AMARG .GE. .1) REV = REV + V(I,2)

IF (AMARG .LE. -.1) CEV = CEV + V(I,2)

IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)

IF (I .EQ. 1) WRITE(23,24)

IF (I .EQ. 8) WRITE(23,26)

IF (I .EQ. 21) WRITE(23,28)

KK = V(I,1)

WRITE(23,30) (ISTATE(KK,J),J=1,3),V(I,2),AMARG,REV,CEV,TEV,

&(V(I,K),K=3,5)

50 CONTINUE

WRITE(23,20)

WRITE(23,10)

IPAGE = IPAGE + 1

REV = 0.0

CEV = 0.0

TEV = 0.0

WRITE(23,58)

58 FORMAT(8X,'SIMULATED VOTE: ADJUSTED FOR UNDECIDEDS AND

&ANDERSON')

WRITE(23,12) DATE1, ITIME, IPAGE

WRITE(23,14)

WRITE(23,17)

WRITE(23,18)

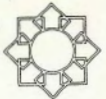
WRITE(23,20)



```

      TYPE 60
60 FORMAT(1X,'SELECT ANDERSON OPTION',/,1X,'OPTION #1 =
   &USE STATE AND REGIONAL ESTIMATES',/,1X,'OPTION #2 =
   &USE NATIONAL REDISTRIBUTION ESTIMATES FOR ALL STATES.',/,
   &1X,'ENTER A 1 OR A 2.')
      ACCEPT 62, IOPT2
62 FORMAT(I1)
      IF (IOPT2 .EQ. 2) 64, 72
64 TYPE 66
66 FORMAT(1X,'ENTER % ANDERSON TO REAGAN.')
      ACCEPT 68, RAND
68 FORMAT(F2.2)
      TYPE 70
70 FORMAT(1X,'ENTER % ANDERSON TO CARTER.')
      ACCEPT 68, CAND
72 REV = 0.0
      CEV = 0.0
      TEV = 0.0
      DO 74 I = 1,50
      IF (IOPT2 .EQ. 1) 76, 78
76 RA = PARMS(I,4) * V(I,5)
      CA = PARMS(I,5) * V(I,5)
      TFAND = RA + CA
      GO TO 80
78 RA = RAND * V(I,5)
      CA = CAND * V(I,5)
      TFAND = RA + CA
80 V(I,5) = V(I,5) - TFAND
      V(I,3) = V(I,3) + RA
      V(I,4) = V(I,4) + CA
      AMARG = V(I,3) - V(I,4)
      IF (AMARG .GE. .1) REV = REV + V(I,2)
      IF (AMARG .LE. -.1) CEV = CEV + V(I,2)
      IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)
      IF (I .EQ. 1) WRITE(23,24)
      IF (I .EQ. 8) WRITE(23,26)
      IF (I .EQ. 21) WRITE(23,28)
      KK = V(I,1)
      WRITE(23,30)(ISTATE(KK,J),J=1,3),V(I,2),AMARG,REV,CEV,TEV,
      &(V(I,K),K=3,5)
74 CONTINUE
      WRITE(23,20)
      WRITE(23,10)
      IPAGE = IPAGE + 1
      REV = 0.0
      CEV = 0.0
      TEV = 0.0
      WRITE(23,82)
82 FORMAT(5X,'SIMULATED VOTE: ADJUSTED FOR UNDECIDEDS, ANDERSON,
   & AND TURNOUT')
      WRITE(23,12) DATE1, ITIME, IPAGE
      WRITE(23,14)
      WRITE(23,17)
      WRITE(23,18)
      WRITE(23,20)
      TYPE 84
84 FORMAT(1X,'SELECT TURNOUT OPTION',/,1X,'OPTION #1 = ,
   &USE STATE AND REGIONAL ESTIMATES',/,1X,'OPTION #2 =
   &USE NATIONAL ESTIMATES FOR ALL STATES',/,1X,'ENTER
   &A 1 OR A 2.')
      ACCEPT 62, IOPT3
      IF (IOPT3 .EQ. 2) 88, 96
88 TYPE 90
90 FORMAT(1X,'ENTER % TURNOUT OF REAGAN VOTE.')
      ACCEPT 68, RTURN
      TYPE 92

```



92 FORMAT(1X,'ENTER % TURNOUT OF CARTER VOTE.')

ACCEPT 68, CTURN

TYPE 94

Decision/Making/Information



94 FORMAT(1X,'ENTER % TURNOUT OF ANDERSON VOTE.')

ACCEPT 68, ATURN

96 DO 98 I = 1, 50

IF (IOPT3 .EQ. 1) 100, 102

100 RT = PARMS(I,6) * V(I,3)

CT = PARMS(I,7) * V(I,4)

AT = PARMS(I,8) * V(I,5)

TOTAL = RT + CT + AT

V(I,3) = (RT/TOTAL) * 100

V(I,4) = (CT/TOTAL) * 100

V(I,5) = (AT/TOTAL) * 100

GO TO 104

102 RT = RTURN * V(I,3)

CT = CTURN * V(I,4)

AT = ATURN * V(I,5)

TOTAL = RT + CT + AT

V(I,3) = (RT/TOTAL) * 100

V(I,4) = (CT/TOTAL) * 100

V(I,5) = (AT/TOTAL) * 100

104 AMARG = V(I,3) - V(I,4)

IF (AMARG .GE. .1) REV = REV + V(I,2)

IF (AMARG .LE. -.1) CEV = CEV + V(I,2)

IF (AMARG .EQ. 0.0) TEV = TEV + V(I,2)

IF (I .EQ. 1) WRITE(23,24)

IF (I .EQ. 8) WRITE(23,26)

IF (I .EQ. 21) WRITE(23,28)

KK = V(I,1)

WRITE(23,30)(ISTATE(KK,J),J=1,3),V(I,2),AMARG,REV,CEV,TEV,

&(V(I,K),K=3,5)

98 CONTINUE

WRITE(23,20)

WRITE(23,10)

WRITE(23,110)

110 FORMAT(T10,'PARAMETERS USED IN THE SIMULATION')

WRITE(23,12) DATE1, ITIME, IPAGE

WRITE(23,14)

WRITE(23,112)

112 FORMAT(T5,'PARAMETER',T60,'VALUE')

WRITE(23,20)

WRITE(23,114) RUD

114 FORMAT(/,T5,'ADJUSTED FOR UNDECIDED',/,T5,'% UNDECIDED TO

&REAGAN',T60,F4.2)

WRITE(23,116) CUD

116 FORMAT(T5,'% UNDECIDED TO CARTER',T60,F4.2)

WRITE(23,118) AUD

118 FORMAT(T5,'% UNDECIDED TO ANDERSON',T60,F4.2)

WRITE(23,120) RAND

120 FORMAT(/,T5,'ADJUSTED FOR DECLINE OF ANDERSON',T5,

&'% ANDERSON TO REAGAN',T60,F4.2)

WRITE(23,122) CAND

122 FORMAT(T5,'% OF ANDERSON TO CARTER',T60,F4.2)

AAND = 1.00 - (RAND + CAND)

WRITE(23,124) AAND

124 FORMAT(T5,'% OF ANDERSON STAYING FIRM',T60,F4.2)

WRITE(23,126) RTURN

126 FORMAT(/,T5,'ADJUSTMENTS FOR TURNOUT',/,T5,

&'TURNOUT PROBABILITY OF REAGAN VOTE',T60,F4.2)

WRITE(23,128) CTURN, ATURN

128 FORMAT(T5,'TURNOUT PROBABILITY OF CARTER VOTE',T60,F4.2,/,

&T5,'TURNOUT PROBABILITY OF ANDERSON VOTE',T60,F4.2)

WRITE(23,20)

WRITE(23,10)



TY PINSAT.BBR

PINSTA.FOR IS A FORTRAN PROGRAM WHICH OUTPUTS TO THE USER'S TERMINAL COMPARATIVE BALLOT INFORMATION BY STATE ON THE MAJOR PRESIDENTIAL CANDIDATES FOR 1980. OUTPUT IS PRESENTED ACCORDING TO STATE AND SURVEY DATE. PINSTA.FOR UTILIZES THE DATA IN PINSTA.DAT AND THE LABELS IN STATES.LBL.

INITIALIZE ARRAYS AND VARIABLES

```
INTEGER IPC(50,25,4), ICHG(50,25,4), IH(50,3), NSRV(50)
INTEGER NEV(50), STATE(3)
REAL AVPC(50,4), SUM(4)
DOUBLE PRECISION ISRV(50,15), IDATE
DATA (SUM(L), L=1,4)/4*0/
```

READ IN STATE LABELS & DATA

```
OPEN(UNIT=20, FILE='STATES.LBL')
OPEN(UNIT=21, FILE='PINSTA.DAT')
OPEN(UNIT=22, ACCESS='SEQOUT', FILE='LNGSTA.DAT')
DO 30 I=1,50
  READ(20,400) (IH(I,L), L=1,3)
30 CONTINUE
35 READ(21,405,END=45) IS, NSRV(IS), NEV(IS)
  N1=NSRV(IS)
  DO 40 M=1,N1
    READ(21,410) ISRV(IS,M), (IPC(IS,M,L), L=1,4)
40 CONTINUE
  GO TO 35
45 CLOSE(UNIT=20, FILE='STATES.LBL')
  CLOSE(UNIT=21, FILE='PINSTA.DAT')
```

OUTPUT OF ALL STATES

COMPUTE PERCENTAGE AND AVG PERCENTAGE CHANGE

```
80 DO 88 I=1,50
  IF (NEV(I).EQ.0) GO TO 88
  NSV=NSRV(I)
  IF (NSV.EQ.1) GO TO 88
  DO 84 M=2,NSV
    DO 82 L=1,4
      ICHG(I,M,L)=IPC(I,M,L)-IPC(I,M-1,L)
      SUM(L)=SUM(L)+ICHG(I,M,L)
82 CONTINUE
84 CONTINUE
  DO 86 L=1,4
    AVPC(I,L)=SUM(L)/(NSV-1)
    SUM(L)=0
86 CONTINUE
88 CONTINUE
```

OUTPUT BALLOT TABLE

```
      ILINE = 10
90 DO 94 I=1,50
  IF (NEV(I).EQ.0) GO TO 94
  IF (ILINE .GE. 35) WRITE(5,180)
180 FORMAT(1H0,66('-',12(/))

  IF (ILINE .EQ. 10 .OR. ILINE .GE. 35) 190, 192
190 CALL DATE(IDATE)
  CALL TIME(ETIME)
  TRACE = TRACE + 1
```