

RETURN  
END

```
C
SUBROUTINE SUMMARY(IP, LGNO, MGNO, IND)
DIMENSION I1SUB(10,3), IWAG1(10,2), IPSUM(66,3)
DIMENSION I2SUB(100,4), IWAG2(100,3)
INTEGER TEAMNO(2), DD, MM, YY, RND
CHARACTER*2 TEAM(2), ALLTEAM(12), T1SUM(66,2)
CHARACTER*2 WTSUM, WTSUM2, WTSUM3, FSUM
COMMON /TNAMES/ TEAM, ALLTEAM
COMMON /TIMES/ DD, MM, YY, RND
COMMON /SUMSCOR/ WTO, WT1, WT2, WTH1, WTH2, WTH3, IPSUM
COMMON /SUNTEAM/ T1SUM
```

```
C
OPEN(UNIT=4, FILE='OUTFILE', STATUS='UNKNOWN')
WRITE(4,9) DD, MM, YY, RND, LGNO, MGNO
9 FORMAT(11, '/// SUMMARY OF GAME HISTORY ANALYSIS',
1 /5X, 'FROM DATA UP TO ', I2, '- ', I2, '- ', I2, 4X,
1 'R ', I2, 8X, 'GAME NO'S ', I3, ' - ', I3//
1 65X, 'SUMMARY', 25X, 90(' ')/
1 5X, 'MATCH', 15X, 'STRAIT AVERAGE', 14X, 'WITH TIME',
1 14X, 'TIME SQUARED', 13X, 'GRAND SUMMARY', I1)
IP=IP-1
```

```
C
DO 10 I=1, IP
IF(IPSUM(I,2).NE.0000) THEN
IF(IND.EQ.1) THEN
ELSE
IFSC=INTERLS(I)
ENDIF
C
IF(IPSUM(I,1).GE.0) THEN
WTSUM=T1SUM(I,1)
ELSE
WTSUM=T1SUM(I,2)
IPSUM(I,1)=IPSUM(I,1)
END IF
```

```
C
IF(IPSUM(I,2).GE.0) THEN
WTSUM2=T1SUM(I,1)
ELSE
WTSUM2=T1SUM(I,2)
IPSUM(I,2)=IPSUM(I,2)
END IF
```

```
C
IF(IPSUM(I,3).GE.0) THEN
WTSUM3=T1SUM(I,1)
ELSE
WTSUM3=T1SUM(I,2)
IPSUM(I,3)=IPSUM(I,3)
END IF
```

```
C
IF(IFSC.GE.0) THEN
FSUM=T1SUM(I,1)
ELSE
FSUM=T1SUM(I,2)
IFSC=-IFSC
END IF
```

```
C
WRITE(4,19) T1SUM(I,1), T1SUM(I,2), WTSUM, IPSUM(I,1),
1 WTSUM2, IPSUM(I,2), WTSUM3, IPSUM(I,3), FSUM, IFSC
19 FORMAT(5X, (A), 1X, 'V', 1X, (A), 15X, (A), 4X, I4, 15X, (A), 4X, I4,
1 15X, (A), 4X, I4, 15X, (A), 4X, I4)
```

```
ELSE
WRITE(4,29) T1SUM(I,1), T1SUM(I,2)
29 FORMAT(5X, (A), 1X, 'V', 1X, (A), 8X, 42(' '))
END IF
CONTINUE
```

```
10
C
WRITE(4,39) WTO, WT1, WT2, WTH1, WTH2, WTH3
39 FORMAT(//, 10X, 'WEIGHT FACTORS USED',
1 10X, 'IO WT= ', F7.2/10X, 'I1 WT= ', F7.2/10X, 'I2 WT= ', F7.2//
1 10X, 'H1 WT= ', F7.2/10X, 'H2 WT= ', F7.2/10X, 'H3 WT= ', F7.2)
RETURN
END
```

```
C
SUBROUTINE LOOPSUM(IP, LGNO, MGNO, LNO, LPOPS)
DIMENSION I1SUB(10,3), IWAG1(10,2), IPSUM(66,3)
DIMENSION I2SUB(100,4), IWAG2(100,3)
INTEGER TEAMNO(2), DD, MM, YY, RND
INTEGER GAMETAB(12,12), ROUNDT(12,12)
CHARACTER*2 TEAM(2), ALLTEAM(12), T1SUM(66,2)
CHARACTER*2 WTSUM, WTSUM2, WTSUM3, FSUM
COMMON GAMETAB
COMMON /TNAMES/ TEAM, ALLTEAM
COMMON /TIMES/ DD, MM, YY, RND, ROUNDT
COMMON /SUMSCOR/ WTO, WT1, WT2, WTH1, WTH2, WTH3, IPSUM
COMMON /SUNTEAM/ T1SUM
```

```
C
OPEN(UNIT=4, FILE='OUTFILE', STATUS='UNKNOWN')
I=0
KIND=0
DO 10 I1L=1, 12
DO 10 I2L=1, 12
IF(I1L.LE.I2L) GO TO 10
I=I+1
IF(IPSUM(I,2).NE.0000) THEN
IFSC=INTERLS(I)
GAMETAB(I1L, I2L)=IFSC
GAMETAB(I2L, I1L)=IFSC
ROUNDT(I1L, I2L)=1
ROUNDT(I2L, I1L)=1
ELSE
GAMETAB(I1L, I2L)=9999
GAMETAB(I2L, I1L)=9999
ROUNDT(I1L, I2L)=0
ROUNDT(I2L, I1L)=0
KIND=KIND+1
ENDIF
```

```
C
CONTINUE
10
WRITE(3,9) LNO, KIND
9 FORMAT(1X, 'INDETERMINATE GAMES IN STEP ', I2, ' = ', I3)
IF(LNO.NE.LPOPS) THEN
CALL OUTTHAT(LGNO, MGNO, LNO, 0)
ELSE
CALL OUTTHAT(LGNO, MGNO, LNO, 1)
ENDIF
```

```
C
RETURN
END
```

```
C
FUNCTION INTERP(I)
COMMON /SUMSCOR/ WTO, WT1, WT2, WTH1, WTH2, WTH3, IPSUM
DIMENSION IPSUM(66,3)
C
PARABOLIC INTERPOLATION
PRINT*, 'PARAB'
```