

# PROGRAM VFLFIX

PROGRAM TO PREDICT WINNING TEAMS & THEIR SCORE  
USED FOR VFL TEAMS.  
VERSION 10  
JOHN B 08-7-85

DIMENSION I1TND(10),I1SUB(10,3),IWAG1(10,2),IWAG2(100,3)  
DIMENSION I2TND(100,2),I2SUB(100,4),IPSUM(66,3)  
INTEGER TEAMNO(2),GAMETAB(12,12),ROUND(12,12),DIFFMAT(12,12)  
INTEGER DD,MM,YY,RND,ITM  
CHARACTER\*1 CRMAT,CDTL,CLAD,CLOOP,COMAT  
CHARACTER\*2 TEAM(2),ALLTEAM(12),T1SUM(66,2)  
CHARACTER\*4 PW

COMMON GAMETAB,DIFFMAT  
COMMON /TNUMBER/ TEAMNO  
COMMON /TNAMES/ TEAM,ALLTEAM  
COMMON /TIMES/ DD,MM,YY,RND,ROUND  
COMMON /SUMSCOR/ WTO,WT1,WT2,WT3,WT4,WT5,WT6,IPSUM  
COMMON /SUMTEAM/ T1SUM  
DATA ALLTEAM /'CA','CD','ES','FI','FO','GE','HA','HE',  
'HM','RI','ST','SU'/  
INITIALISE VARIABLES

OPEN(UNIT=2,FILE='INPUT')  
OPEN(UNIT=3,FILE='OUTPUT')

WRITE(3,41)  
41 FORMAT(//,1X,'#### VFLFIX VERSION 10 ####',10X,'JB 08-7-85',  
1X,27(' '))

WRITE(3,1)  
1 FORMAT(1X,'PLEASE ENTER THE PASSWORD ')  
READ(2,'(A)') PW  
WRITE(3,'(21(//))')  
IF(PW.NE.'BOOT'.AND.PW.NE.'HOPE') CALL ERR(1,0)

WRITE(3,21)  
21 FORMAT(1X,'READ TABLE (1) OR MATRIX (2)')  
READ(2,'(I1)') ITM  
IF(ITM.EQ.2) IND=1

IF(ITM.FQ.1) THEN  
LGND=1  
MGND=250  
WRITE(3,71)  
71 FORMAT(1X,'READ ALL DATA Y/N')  
READ(2,'(A)') CALLO  
IF(CALLO.EQ.'N') THEN  
WRITE(3,81)  
81 FORMAT(1X,'ENTER THE LOWEST GAME NO TO READ (13)')  
READ(2,'(I3)') LGND  
WRITE(3,91)  
91 FORMAT(1X,'ENTER THE HIGHEST GAME NO TO READ (13)')  
READ(2,'(I3)') MGND  
ENDIF  
ENDIF

WRITE(3,31)  
31 FORMAT(1X,'DO YOU WANT TO PRODUCE A RESULTS MATRIX Y/N')  
READ(2,'(A)') CRMAT

WRITE(3,101)

101 FORMAT(1X,'DO YOU WANT TO PRODUCE A LADDER ETC Y/N')  
READ(2,'(A)') CLAD

IF(ITM.EQ.1) THEN  
READ DATA FROM RESULTS TABLE  
CALL INTAB(LGND,MGND,IND)  
LND=0  
ELSE  
READ DATA FROM MATRICES  
CALL INMAT(LGND,MGND,LND)  
LND=LND+1  
ENDIF  
IF(CRMAT.EQ.'Y') CALL OUTMAT(LGND,MGND,LND,1)  
IF(CLAD.EQ.'Y') CALL OUTLAD(LGND,MGND)  
IF(PW.EQ.'BOOT') STOP

WRITE(3,51)  
51 FORMAT(1X,'DO YOU WANT TO PRODUCE A DIFFERENCE MATRIX Y/N')  
READ(2,'(A)') COMAT  
IF(COMAT.EQ.'Y') CALL OUTDIFF(LGND,MGND,LND)

WRITE(3,11)  
11 FORMAT(1X,'INITIATE FEEDBACK LOOP Y/N')  
READ(2,'(A)') CLOOP

IF(CLOOP.EQ.'Y') THEN  
CALL FEEDLOOP(LGND,MGND)  
ELSE  
CALL NOLOOP(ITM,LGND,MGND,IND)  
ENDIF  
STOP  
END

SUBROUTINE NOLOOP(ITM,LGND,MGND,IND)  
DIMENSION I1TND(10),I1SUB(10,3),IWAG1(10,2),IWAG2(100,3)  
DIMENSION I2TND(100,2),I2SUB(100,4),IPSUM(66,3)  
INTEGER TEAMNO(2),GAMETAB(12,12),ROUND(12,12)  
INTEGER DD,MM,YY,RND  
CHARACTER\*1 CDTL,CLAD  
CHARACTER\*2 TEAM(2),ALLTEAM(12),T1SUM(66,2)

COMMON GAMETAB  
COMMON /TNUMBER/ TEAMNO  
COMMON /TNAMES/ TEAM,ALLTEAM  
COMMON /TIMES/ DD,MM,YY,RND,ROUND  
COMMON /SUMSCOR/ WTO,WT1,WT2,WT3,WT4,WT5,WT6,IPSUM  
COMMON /SUMTEAM/ T1SUM

WRITE(3,61)  
61 FORMAT(1X,'DO YOU WANT TO SEE DETAILS Y/N')  
READ(2,'(A)') CDTL

WRITE(3,51)  
51 FORMAT(//,1X,'UP TO 66 PAIRS OF TEAMS MAY NOW BE ENTERED',  
1X,'ENTER AA FOR TEAM 1 TO STOP')  
1

DO 50 IP=1,66  
WRITE(3,111)  
111 FORMAT(1X,'PLEASE ENTER TEAM ',11,' ( A2 )')  
READ(2,'(A)') ERR=10 TEAM(1)  
IF(TEAM(1).EQ.'AA') GO TO 70  
55 WRITE(3,112)  
112 READ(2,'(A)') ERR=55 TEAM(2)