```
2DIM B(10),Q(10)
5ON ERROR GOTO 40
100OPEN OLD "VOC.DAT" AS 2
20INPUT_2,H10$,H11$,H12$
21INPUT_2,H20$,H21$,H22$
22INPUT_2,H25$,H26$,H27$
23INPUT_2,H1$,H2$,H3$
24INPUT_2,H5$,H6$,H7$
30GOTO 310
40IF ERR=8 OR ERR=20 THEN STOP
42IF ERR=0 THEN LIST 5-100:STOP
45PRINT"ERROR":STOP
310IF INCH$=CHR$(0) THEN310
320TREE$=H10$:GOSUB 60000
330TREE$=H20$:GOSUB 60000
335TREE$=H25$:GOSUB 60000
340TREE$=H1$ :GOSUB 60000
345TREE$=H5$ :GOSUB 60000
350FOR T=1 TO 6:Q(T)=B(T)*3:NEXT
355TREE$=H11$:GOSUB 60000
360TREE$=H21$:GOSUB 60000
365TREE$=H26$:GOSUB 60000
370TREE$=H2$ :GOSUB 60000
375TREE$=H6$ :GOSUB 60000
380FOR T=1TO 6:Q(T)=Q(T)+(B(T)*2):NEXT
390TREE$=H12$:GOSUB 60000
395TREE$=H22$:GOSUB 60000
400TREE$=H27$:GOSUB 60000
405TREE$=H3$ :GOSUB 60000
410TREE$=H7$ :GOSUB 60000
415FOR T=1TO 6:Q(T)=Q(T)+(B(T)*1):NEXT
420FOR T=1 TO 6 :B(T)=Q(T):NEXT
425GOSUB 34000
430STOP
1000GOTO 25
34000REM                              SORT FOR HIGHEST IN B(W)
34010FOR I3=1 TO 6
34020LET C=B(I3)
34030FOR F1= 1 TO 6
34040IF F1=I3 THEN 34070
34050IF C=B(F1) THEN 34500
34060IF C<B(F1) THEN A=A+1
34070NEXT F1
34080IF A=0 THEN 34200
34110IF A=1 THEN 34300
34115IF A=2 THEN 34400
34120A=0:SAME=0:FLAG=0                 :NEXT I3
34135RETURN
34200IF I3=1 THEN SELF1$="R"
34210IF I3=2 THEN SELF1$="I"
34220IF I3=3 THEN SELF1$="A"
```

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34230IF I3=4 THEN SELF1$="S"
34240IF I3=5 THEN SELF1$="E"
34250IF I3=6 THEN SELF1$="C"
34270IF FLAG <>1 THEN   S1N1$=SELF1$
34275IF FLAG = 1 THEN S1N1$=S1N1$+","+SELF1$:I3=TEMP:GOTO 34280
34276IF SAME <> 0 THEN TEMP = I3:FLAG=1:I3=SAME:GOTO 34200
34280GOTO 34120
34300IF I3=1 THEN SELF2$="R"
34310IF I3=2 THEN SELF2$="I"
34320IF I3=3 THEN SELF2$="A"
34330IF I3=4 THEN SELF2$="S"
34340IF I3=5 THEN SELF2$="E"
34350IF I3=6 THEN SELF2$="C"
34370IF FLAG<>1 THEN S1N2$=SELF2$
34375IF FLAG = 1 THEN S1N2$=S1N2$+","+SELF2$:I3=TEMP:GOTO 34380
34376IF SAME <> 0 THEN TEMP = I3:FLAG=1:I3=SAME:GOTO 34300
34380GOTO 34120
34400IF I3=1 THEN SELF3$="R"
34410IF I3=2 THEN SELF3$="I"
34420IF I3=3 THEN SELF3$="A"
34430IF I3=4 THEN SELF3$="S"
34440IF I3=5 THEN SELF3$="E"
34450IF I3=6 THEN SELF3$="C"
34460IF FLAG<>1 THEN S1N3$=SELF3$
34475IF FLAG = 1 THEN S1N3$=S1N3$+","+SELF3$:I3=TEMP:GOTO 34480
34476IF SAME <> 0 THEN TEMP = I3:FLAG=1:I3=SAME:GOTO 34400
34480GOTO 34120
34500SAME=F1:B(F1)=0:GOTO 34070
60000REM                              FINAL TALLY
60005FOR T=1 TO 6:B(T)=0:NEXT
60010IF LEN(TREE$) = 1 THEN 60090
60020IF TREE$="R" THEN B(1)=B(1)+1
60030IF TREE$="I" THEN B(2)=B(2)+1
60040IF TREE$="A" THEN B(3)=B(3)+1
60050IF TREE$="S" THEN B(4)=B(4)+1
60060IF TREE$="E" THEN B(5)=B(5)+1
60070IF TREE$="C" THEN B(6)=B(6)+1
60080RETURN
60090IFFLAG1=0THENTEMP1$=TREE$:TREE$=LEFT$(TEMP1$,1):FLAG1=1ELSETREE$=TEMP1$:TREE$=RIGHT$(TEMP1$,1)
60100IF TREE$="R" THEN B(1)=B(1)+1
60110IF TREE$="I" THEN B(2)=B(2)+1
60120IF TREE$="A" THEN B(3)=B(3)+1
60130IF TREE$="S" THEN B(4)=B(4)+1
60150IF TREE$="E" THEN B(5)=B(5)+1
60160IF TREE$="C" THEN B(6)=B(6)+1
60170IF FLAG1=0 THEN  GOTO 60090
60180GOSUB  34000
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