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100 DIM C1$(15),C2$(15),D(15),G1(15,15),G$(15),M1(15,15), +
 R1(15,15),R$(15),W(15),ZZ(15)
110 FOR I=1 TO 15
120 C1$(I)=" ":C2$(I)=" "
130 D(I)=0:G$(I)=" ":R$(I)=" "
140 FOR J=1 TO 15
150 M1(I,J)=0
160 G1(I,J)=0
170 R1(I,J)=0
180 NEXT J
190 NEXT I
200 N=3
210 R$(1)="PRESS"
220 R$(2)="JUMP"
230 R$(3)="ROTATE"
240 N2=2
250 U=2
260 C2$(1)="FOOD"
270 C1$(1)="SAL"
280 G$(1)="SALING"
290 C(1)=1
300 D(1)=.5
310 M1(1,1)=1
320 C2$(2)="WATER"
330 C1$(2)="GULP"
340 G$(2)="GULPING"
350 G(2)=1
360 M1(2,2)=1
370 C=U+1
380 L=1
18301 PRINT
18310 PRINT "STIMULUS: ";:INPUT S$
18320 IF S$="FIN" THEN 60001
18330 FOR K=1 TO C
18340 IF C2$(K)<>S$ THEN 25201
18350 FOR J=1 TO N2
18360 IF M1(L,J)=1 THEN 21001
18370 IF L=K THEN 21001
18380 M1(L,J)=M1(L,J)+.01*M1(K,J)
21001 PRINT "CLASSICAL RESPONSE AND STRENGTH:",C1$(J),M1( +
 K,J)
21011 G1(K,J)=G1(K,J)*.01*M1(K,J)
21021 NEXT J
21031 Y=0
21041 Y1=0
21051 FOR J=1 TO N
21061 IF R1(K,J)>.0505 THEN 22501
21071 Y1=Y1+1
21081 GOTO 22532
22501 PRINT "INSTRUMENTAL RESPONSE AND STRENGTH:",R$(J),R +
 1(K,J)
22530 Y=Y+1
22531 Z(Y)=J
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22532 NEXT J
22540 IF Y1<2 THEN 24401
22550 Y2=INT(Y1/2)
22560 FOR J=1 TO Y2
22570 X=INT(N*RND(1)+1)
22580 IF R1(K,X)>.0505 THEN 22891
22590 R1(K,X)=.051
22600 PRINT "INSTRUMENTAL RESPONSE AND STRENGTH:",R$(X),R +
  1(K,X)
22610 Y=Y+1
22620 Z(Y)=X
22891 NEXT J
24401 FOR J=1 TO N
24500 IF M1(K,J)>M1(L,J) THEN 25061
24510 IF M1(K,J)=0 THEN 25001
24520 IF M1(K,J)=1 THEN 25001
24530 M1(K,J)=M1(K,J)-5E-03*M1(K,J)
24540 G1(K,K)=G1(K,J)-5E-03*G1(K,J)
25001 FOR J1=1 TO N
25020 IF R1(K,J1)<=.05049 GOTO 25041
25030 R1(K,J1)=R1(K,J1)-5E-04*(M1(L,J)-M1(K,J))-1E-05
25041 NEXT J1
25050 GOTO 25111
25061 FOR J1=1 TO Y3
25070 R1(L,W(J1))=R1(L,W(J1))+.01*R1(L,W(J1))+1E-03*D(K)
25080 D(K)=D(K)-.01*D(K)
25090 NEXT J1
25111 NEXT J
25120 L=K
25130 FOR J=1 TO Y
25140 W(J)=Z(J)
25150 NEXT J
25160 Y3=Y
25170 GOTO 18301
25201 NEXT K
26000 IF C>15 THEN 50001
30000 L=C
30010 C2$(L)=S$
30130 Y3=INT(N/2)
30140 FOR J=1 TO Y3
30150 X=INT(N*RND(1)+1)
30160 R1(L,X)=.051
30170 PRINT "INSTRUMENTAL RESPONSE AND STRENGTH:",R$(X),R +
  1(L,X)
30180 W(J)=X
30190 NEXT J
30200 C=C+1
30210 GOTO 18301
50001 PRINT "MY MEMORY IS FULL, I REFUSE TO LEARN ANY MORE."
50011 PRINT
50021 PRINT "THIS STIMULUS WAS IGNORED.  LAST STUMULUS IS +
    STILL CURRENT."
50031 PRINT
50041 GOTO 18001
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60001 PRINT "ALL FINISHED, THANKS FOR A REAL LEARNING EXP +
ERIENCE."
60010 END
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