

W & W SOFTWARE SALES
6594 SWARTOUT ROAD
ALGONAC, MICH. 48001

AIR TRAFFIC CONTROLLER

YOU HAVE CONTROL OF THE AIR SPACE SURROUNDING AN AIRPORT INDICATED BY # ON YOUR RADAR. THERE ARE SIX ENTRY AND EXIT POINTS ON THE RADAR, AND ALSO A BEACON INDICATED BY *.

WHEN A PLANE REQUESTS ENTRY TO YOUR AIRSPACE, IT WILL APPEAR IN THE LOWER RIGHT HAND CORNER IN THE FORM OF A FOUR DIGIT NUMBER. THE FIRST DIGIT IS THE PLANES NUMBER, THE SECOND IS HIS ALTITUDE, THE THIRD HIS ENTRY POINT, AND THE FOURTH, HIS DESTINATION. THE NUMBER 7 INDICATES THE AIRPORT.

WHEN THE WORD INPUT APPEARS, IF YOU WISH TO GIVE INSTRUCTIONS TO A PLANE, YOU PRESS 0, AND INPUT YOUR INSTRUCTIONS AS FOLLOWS:

1-PLANES NUMBER

2-TAKE OFF, LAND, NO CHANGE, LEFT TURN, RIGHT TURN, OR HOLD AT THE BEACON

3-ALTITUDE YOU WANT HIM TO GO TO

WHEN A PLANE WANTS TO GO TO THE AIRPORT, YOU MUST GET HIM TO THE BEACON AT AN ALTITUDE OF AT LEAST 3 THOUSAND FEET, WITH A HOLD COMMAND, BEFORE YOU CAN GIVE HIM THE COMMAND TO LAND. THE COMMAND TO LAND IS GIVEN IN THE FORM, 622. 6-PLANES NUMBER, 2-LAND, 2-ARBITRARY, BUT MUST BE DESIGNATED.

PLANES IN YOUR AIRSPACE WILL APPEAR ON THE RADAR WITH THEIR NUMBER, ALTITUDE, AND DIRECTION OF FLIGHT.

WHEN YOU ARE TRYING TO LAND A PLANE, YOU MUST GET HIM HEADED TOWARD THE BEACON, AND THEN GIVE HIM A HOLD COMMAND. HE WILL AUTOMATICALLY HOLD AT THE BEACON. ONCE HE REACHES THE BEACON YOU CAN GIVE HIM A LAND INSTRUCTION, WHICH IS ALSO AUTOMATICALLY CARRIED OUT.

YOU MUST NEVER ALLOW TWO PLANES TO COME WITHIN 2 THOUSAND FEET OF EACH OTHER, IF THEY ARE AT THE SAME ALTITUDE.

b=MULTIPLY
 c=DIVIDE
 a=RIGHT ARROW
 _=LEFT ARROW
 ^=DOWN ARROW

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10 :RETURN ;CLEAR ;NT=0;T=60;FOR Z=1TO 9;@(Z)=0;NEXT Z;BC=32;FC=4
20 FOR Z=1TO 500;IF @(Z)=16CY=-32;CX=-77;PRINT #23,T;GOSUB 700
26 NEXT Z;CY=40;CX=-77;PRINT ".....2.....3....
30 G      ";GOSUB 50;GOTO 60
50 FOR A=1TO 3;FOR B=1TO 20;PRINT ".",;NEXT B;PRINT ;NEXT A;RETURN
60 PRINT ".....5.....4.... ";PRINT "1T 2L 3NC _4 5a 6HLD ",#2,T
70 T=T-1;IF T<0PRINT "YOU WIN!";STOP
90 FOR Z=1TO 9;IF @(Z)#0GOSUB 800
100 NEXT Z;IF RND (3)=2GOTO 500
110 FOR Z=1TO 9;FOR B=1TO 9;IF (Z=B)+(@(Z)=0)+@(B)=0GOTO 150
120 IF @(Z)>@(B)-7IF @(Z)<@(B)+7IF @(Z+9)<@(B+9)+9IF @(Z+9)>@(B+9)-9GOTO 200
150 NEXT B;NEXT Z;CX=43;CY=8;PRINT "INPUT ";GOTO 20
200 A=@(Z+18)c10;A=Ac10;A=RM;F=@(B+18)c10;F=Fc10;F=RM;IF F=A CY=-32;PRINT "CONF
LICT",#2,Z,B;STOP
210 GOTO 150
500 FOR Z=1TO 99;P=RND (9);IF @(P)#0NEXT Z;GOTO 110
510 O=RND (7);A=0;D=RND (7);IF O<7A=RND (9)
530 CX=43;CY=-24;PRINT #1,P,A,O,D;IF O=1X=-77;Y=8;H=2
610 IF O=2X=-41;Y=40;H=3
620 IF O=3X=13;Y=40;H=3
630 IF O=4X=13;Y=-24;H=1
640 IF O=5X=-41;Y=-24;H=1
650 IF O=6X=37;Y=8;H=4
660 IF O=7X=-17;Y=8;H=2
670 @(P)=X;@(P+9)=Y;@(P+18)=Db100+Ab10+H;GOTO 110
700 CY=-32;CX=-77;INPUT "INPUT "J;CY=-32;PRINT "ROGER!";J=Jc10;L=RM;J=Jc10;K=RM

750 V=J+18;@(V)=@(V)c1000;@(V)=RM+Kb1000;@(V+9)=L;RETURN
800 X=@(Z);Y=@(Z+9);Q=@(Z+18);Q=Qc10;H=RM;Q=Qc10;A=RM;Q=Qc10;D=RM;C=Q
810 V=Z+18;IF H=2IF A=0IF C=1X=X+6
813 IF C=6IF X=-41IF Y=8GOTO 850
814 IF C=2GOTO 940
815 IF H=2IF A>0X=X+6
820 IF H=3Y=Y-8
830 IF H=4X=X-6
840 IF H=1Y=Y+8
850 @(Z)=X;@(Z+9)=Y;IF (X>31)+(X<-71)+(Y>32)+(Y<-16)@(Z)=0;GOSUB 1000
920 IF A<@(V+9)@(V)=@(V)+10
921 IF C=4@(V)=@(V)-1001;IF H=1@(V)=@(V)+4
922 IF C=5@(V)=@(V)-1999;IF H=4@(V)=@(V)-4
930 IF A>@(V+9)@(V)=@(V)-10
935 NT=2;CX=X;CY=Y;PRINT #1,Z,A,;NT=0;IF (C=2)+(H=2)PRINT "a",;RETURN
936 IF H=1PRINT "↑",
937 IF H=3PRINT "``",
938 IF H=4PRINT " _",
939 RETURN
940 IF X=-41IF Y=8IF A>2@(V)=@(V)-10
945 IF X=-41IF Y=8IF A<3@(V)=@(V)+10
950 IF X=-41IF Y=8IF A=3@(Z)=@(Z)+6
960 IF X=-23IF Y=8IF D=7@(Z)=0;GOTO 935
965 IF X=-23IF Y=8IF D#7GOTO 2000
  
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970 IF X#-41@ (Z)=@(Z)+6;@(U)=@(U)-10
980 GOTO 935
1000 IF D=2IF X=-41IF Y=40RETURN
1005 IF D=3IF X=13IF Y=40RETURN
1010 IF D=4IF X=13IF Y=-24RETURN
1015 IF D=5IF X=-41IF Y=-24RETURN
1020 IF D=1IF X=-77IF Y=8RETURN
1030 IF D=6IF X=37IF Y=8RETURN
2000 CY=-32;PRINT "ERROR".#2,Z,D
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