MAXI-BASIC Game Set 6

After having loaded the MAXI-BASIC Interpreter into your computer and selected the appropriate option (i.e. TV-only or HARDCOPY) start your audio cassette playing at the proper point and then type

LOADcr

Then wait until the READY message appears on the screen.

The programs on this tape are recorded in the following order:

#1 LUNAR LANDER
#2 23 MATCHES
#3 RADIX CONVERTER
#4 PIZZA
#5 BIORHYTHM

Once the READY Message appears after the load; Type

RUNcr

to start the program running.

All programs on this tape are self documenting in terms of execution instructions, or there are instructions provided in the documentation. In addition the directions, where applicable, can be read in the source listings as well as in the run examples.

Since BASIC is a character and line oriented language these programs should run equally well with either a 32 or 64 character video display. However, there is the possibility that minor changes in some of the PRINT statements might make the output more appealing to an individual user; such changes are left to the discretion of the user since complete source and run listings have been provided.
READY
LIST
1000 REM LUNER
1010 "DO YOU WANT INSTRUCTIONS? YES=Y OR NO=N ";
1020 INPUT A$
1030 IF A$="Y" THEN 1150
1040 "GROUND CONTROL CALLING LUNER"
1050 "LANDER, ON BOARD AND GROUND"
1060 "COMPUTERS KAPUT TAKE OVER!!"
1070 "CAPSULE WEIGHT 33000 LBS.
1080 "AVAILABLE FUEL 16500 LBS.
1090 "ESTIMATED FREE FALL IMPACT" TIME 120 SECONDS."
1100 "SET RETRO ROCKET BURN RATE TO"
1110 "ANY VALUE FROM 0 LBS/SEC TO 300 LBS/SEC, THEN"
1120 "THE BURN RATE IS THE AMOUNT OF"
1130 "FUEL THAT YOUR RETRO ROCKET WILL BURN EACH SECOND."
1140 "THE BURN TIME LENGTH IS THE"
1150 "NUMBER OF SECONDS YOU WANT YOUR"
1160 "RETRO ROCKETS TO BURN AT THIS"
1170 "RATE."
1180 "OUT OF FUEL AT %Z10F0 FT
1190 "YOU BLASTED A NEW LUNAR CRATER %5F0 FT DEEP."
1200 IF A$="N" THEN 1010
1210 "GOOD LANDING"
1220 "CRAFT DAMAGED. YOU ARE STRANDED"
1230 "UNTIL A RESCUE MISSION ARRIVES"
1240 "HOPE YOUR OXYGEN BOLDS OUT."
1250 "###YOU CRASHED-NO SURVIVORS###"
1260 "YOU BLASTED A NEW LUNAR CRATER %5F0 FT DEEP."
1270 "###GREAT LANDING###"
DO YOU WANT INSTRUCTIONS? YES=Y OR NO=N ?Y

GROUND CONTROL CALLING LUNER LANDER, ONBOARD AND GROUND COMPUTERS KAPUT TAKE OVER!!!

CAPSULE WEIGHT 33000 LBS.
AVAILABLE FUEL 16500 LBS.

ESTIMATED FREE FALL IMPACT TIME 120 SECONDS.

(RETURN)?

SET RETRO ROCKET BURN RATE TO ANY VALUE FROM 0 LBS/SEC (FREE FALL) TO 300 LBS/SEC, THEN TYPE A COMMA AND GIVE THE BURN TIME LENGTH.

THE BURN RATE IS THE AMOUNT OF FUEL THAT YOUR RETRO ROCKET WILL BURN EACH SECOND. THE BURN TIME LENGTH IS THE NUMBER OF SECONDS YOU WANT YOUR RETRO ROCKETS TO BURN AT THIS RATE.)

(RETURN)?

SEC MI + FT MPH FUEL
0 120 0 3600. 16500

BURN RATE, TIME 712,10
SEC MI + FT MPH FUEL
10 109 5489 3612.3934 16380
BURN RATE, TIME 715,10
SEC MI + FT MPH FUEL
20 99 4960 3618.7636 16230
BURN RATE, TIME 718,10
SEC MI + FT MPH FUEL
30 89 4432 3619.8222 16080
BURN RATE, TIME 720,10
SEC MI + FT MPH FUEL
40 79 4432 3615.8898 15850
BURN RATE, TIME 725,10
SEC MI + FT MPH FUEL
50 69 4315 3600.8179 15680

BURN RATE, TIME 730,10
SEC MI + FT MPH FUEL
60 59 4434 3575.9725 15300
BURN RATE, TIME 735,10
SEC MI + FT MPH FUEL
70 49 5298 3540.2962 14950
BURN RATE, TIME 740,10
SEC MI + FT MPH FUEL
80 40 1037 3495.3111 14550
BURN RATE, TIME 745,10
SEC MI + FT MPH FUEL
90 30 3030 3434.7129 14100
BURN RATE, TIME 750,10
SEC MI + FT MPH FUEL
100 21 691 3363.9539 13600
BURN RATE, TIME 755,10
SEC MI + FT MPH FUEL
110 12 3511 3218.6125 13050
BURN RATE, TIME 760,10
SEC MI + FT MPH FUEL
120 6 505 3095.3663 7602
BURN RATE, TIME 765,10
SEC MI + FT MPH FUEL
130 1 3533 1169.9279 4600
BURN RATE, TIME 770,10

ON THE MOON AT IMPACT VELOCITY 137. SEC
IMPACT VELOCITY 500.0124 MPH

###YOU CRASHED—NO SURVIVORS###

YOU BLASTED A NEW LUNAR CRATER 139 FT DEEP.

DO YOU WANT INSTRUCTIONS? YES=Y OR NO=N ?
LET'S PLAY 23 MATCHES. WE START WITH 23 MATCHES. YOU MOVE FIRST

THEN I MOVE. YOU MAY TAKE 1 OR 2 OR 3 MATCHES AND ON MY TURN SO MAY I. THE ONE WHO HAS TO TAKE THE LAST MATCH LOSES.

GOOD LUCK AND MAY THE BEST SCHEMER WIN.

THERE ARE NOW 23 MATCHES.

I TOOK 1.... THERE ARE NOW 21 MATCHES.

I TOOK 1.... THERE ARE NOW 17 MATCHES.

I TOOK 1.... THERE ARE NOW 13 MATCHES.

I TOOK 2.... THERE ARE NOW 9 MATCHES.

I TOOK 3.... THERE ARE NOW 5 MATCHES.

I TOOK 3.... THERE ARE NOW 1 MATCHES.

I WON!!! BETTER LUCK NEXT TIME.

THE SCORE IS NOW: ME 1 YOU 2

THE SCORE IS NOW: ME 1 YOU 2
10 DIM D$(3)
15 "PRINT "DEC# =","D$
20 IF D$="DEC" THEN 90
25 IF D$="OCT" THEN 300
30 PRINT "TYPE DEC OR OCT ONLY"
40 GOTO 40
50 INPUT "DEC# =","D$
60 IF D$>262143 THEN 520
70 LET P=1
80 RESTORE 210
90 LET O=0
100 LET C=1
110 Q=INT(D/8)
120 LET R(C)=D-Q*8
130 IF Q<8 THEN 210
140 LET D=Q
150 LET C=C+1
160 GOTO 150
170 DATA 1,10,100,1000,10000
180 READ I
190 LET O=O+R(P)*I
200 LET P=P+1
210 IF P<C+1 THEN 170
220 DATA 32768,4096,512,64,8,1
230 FOR J=1 TO 6
240 LET P(J)=INT(C)
250 IF P(J)<>7 THEN 480
260 LET O=O-F(J)
270 LET L=0
280 NEXT J
290 LET L=O
300 RESTORE 410
310 DATA 32768,4096,512,64,8,1
320 FOR J=1 TO 6
330 LET P(J)=INT(C)
340 IF P(J)<>7 THEN 480
350 LET L=O-F(J)
360 LET L=O
370 NEXT J
380 PRINT "DEC# =","L
390 GOTO 40
400 EXIT 490
410 "PRINT "THE ENTRY MUST BE IN OCTAL"
420 GOTO 40
430 PRINT "INPUT CANNOT EXCEED (DEC 222143) OR (OCT 777777)."
440 GOTO 40
450 END

RENTAL COMPUTER GAMES
10 REM PROGRAM: PIZZA
20 REM ADAPTED TO MAXI-BASIC BY J.R.BULL,SR
30 REM FROM 101 BASIC COMPUTER GAMES
40 REM 1/10/77
50 REM
60 DIM A$(26),S$(28),N$(8),A(10},M$(4)
70 INPUT "WHAT IS YOUR FIRST NAME? " N$
80 INPUT "WHERE ARE YOU FROM (CITY)?",X$
90 PRINT "HI," N$ IN THIS GAME YOU ARE TO TAKE ORDERS FOR PIZZAS.
100 PRINT "THEN YOU ARE TO TELL A DELIVERER WHERE TO DELIVER THE ORDERED PIZZAS.";
110 PRINT "BUT WHERE TO DELIVER THE ORDERED PIZZAS.
120 PRINT "THE ABOVE IS A MAP OF THE HOMES WHERE YOU ARE TO SEND PIZZAS."
130 PRINT "THE ABOVE IS A MAP OF THE HOMES WHERE YOU ARE TO SEND PIZZAS."
140 PRINT "THE ABOVE IS A MAP OF THE HOMES WHERE YOU ARE TO SEND PIZZAS."
150 GOSUB 940
160 PRINT "THE ENTRY MUST BE IN OCTAL"
170 GOTO 40
180 PRINT "INPUT CANNOT EXCEED (DEC 222143) OR (OCT 777777)."
190 GOTO 40
200 PRINT "INPUT "DO YOU NEED MORE DIRECTIONS? ",A$
210 IF A$="YES" THEN 570
220 PRINT "SOMEBODY WILL ASK FOR A PIZZA TO BE DELIVERED. THEN A DELIVERY"
"BOY WILL ASK FOR THE LOCATION"

EXAMPLE:

"THIS IS J. PLEASE SEND A PIZZA."

"DRIVER TO "n$: WHERE DOES J LIVE?"

"YOUR ANSWER WOULD BE 2,3"

INPUT "UNDERSTAND? " , A$

IF A$= "YES" THEN 806

"THIS JOB IS TOO DIFFICULT FOR YOU. THANKS ANYWAY." : GOTO 920

"GOOD. YOU ARE NOW READY TO START TAKING ORDERS."

"GOOD LUCK!!,

HELLO "n$: PIZZA. THIS IS "$$(S,S);" LIVES?"

"I LIVE AT "a(1); .. , "a(2)

LOAD TIME DELAY ROUTINE

END

printf "WHAT IS YOUR FIRST NAME? CHUCK"

WHERE ARE YOU FROM (CITY)? DENVER

WHAT IS YOUR FIRST NAME?

WHERE ARE YOU FROM (CITY)?

THE ABOVE IS A MAP OF THE HOMES WHERE YOU ARE TO SEND PIZZAS.

YOUR JOB IS TO GIVE A TRUCK DRIVER THE LOCATIONS OR COORDINATES OF THE HOME ORDERING THE PIZZA.

DO YOU NEED MORE DIRECTIONS? YES

EXAMPLE:

"HELLO Chuck'S PIZZA. THIS IS N PLEASE SEND A PIZZA.

DRIVER TO CHUCK. WHERE DOES N LIVE?"

"HELLO Chuck. WHERE DOES N LIVE?

YOUR ANSWER WOULD BE 2,3"

UNDERSTAND? YES

GOOD. YOU ARE NOW READY TO START TAKING ORDERS.

GOOD LUCK!!,

HELLO Chuck'S PIZZA. THIS IS N PLEASE SEND A PIZZA.

DRIVER TO CHUCK. WHERE DOES N LIVE? "4,2"

THIS IS N. I DID NOT ORDER A PIZZA.

I LIVE AT 4,2

HELLO Chuck. WHERE DOES N LIVE? "2,4"

HELLO Chuck. THIS IS N, THANKS FOR THE PIZZA.

HELLO Chuck'S PIZZA. THIS IS N PLEASE SEND A PIZZA.

DRIVER TO CHUCK. WHERE DOES N LIVE? "4,2"

HELLO Chuck. THIS IS N, THANKS FOR THE PIZZA.

HELLO Chuck'S PIZZA. THIS IS C PLEASE SEND A PIZZA.

DRIVER TO CHUCK. WHERE DOES C LIVE?"
COMPUTERIZED STUDY OF BIORHYTHMIC CURVES
SUBJECT, CHUCK
DATE OF STUDY - 770327 - DURATION 90 DAYS

HIGH CRITICAL

I: INTELLECTUAL ABILITY, AMBITION, 33 DAY CYCLE.
E: EMOTIONAL, NERVES, MOOD, 29 DAY CYCLE.
P: PHYSICAL STRENGTH, ENDURANCE, 23 DAY CYCLE.
C: SCALED ALGEBRAIC SUM OF I, E AND P.

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