

PROGRAM NAME: HAMURABI

Stored on Tape #

Written By: Various Sources Changed By: R.M. Houser

Memory Left: 52=

PROGRAM DESCRIPTION

Type Economic

Opponent Computer

Length 10-20 min

Controls Used Keyboard

DESCRIPTION OF PROGRAM

YOU ARE KING HAMURABI AND MUST MAKE DECISIONS ON RUNNING YOUR KINGDOM ECONOMICALLY.

YOU START WITH 100 PEOPLE

1000 ACRES OF LAND

3000 BUSHELS OF FOOD

YOU ARE TO TRY AND GOVERN FOR A PERIOD OF TEN YEARS.

THE OBJECT IS TO SEE HOW WELL YOU DO
AND FIGURE HOW THE GAME WORKS.

REMEMBER THAT IT TAKES SO MANY BUSHELS TO
PLANT LAND AND THAT PEOPLE CAN ONLY PLANT
SO MANY ACRES.

VARIABLES USED

[illegible]

KING HAMURABI by R. M. Houser

Governing the Kingdom of Sumeria

You are King Hamurabi and must make decisions on running your kingdom economically. You start with a population of 100, 1000 acres of land, and 3000 bushels of food. You are to buy and sell land, feed your people and plant your crops using the bushels of food as barter. Your reign if completed lasts 10 years. The object is to garner performance points based on how you govern and to figure out how the game works. Remember that it takes bushels to plant land and people can plant only so many acres. The game takes from 15 to 20 minutes to complete.

Instructions: Load the program and store on tape. When you have reached the end of the program push WORDS RUN GO and the program will automatically start and show the header whenever you load the program. To clear the header and start the game push any key. To play again push any key. Answer any input requests using the keyboard and then press GO.

Hamurabi Documentation

10-20	Gosub Title, Goto Start
30-70	Subroutines Buy, Sell, Give, Plant Updates
80-90	Initialize variables
100-130	Start rule
140-160	During rule
170-220	End rule
230-270	Performance Points Calculation, Play again
280-290	Land value
300-400	Buy land routine
410-500	Sell land routine
510-560	Give out food
570-620	Plant crops
630-710	Died, harvest, rats, food, Immigration Calc.
720	Totals update
730-740	Last year heading
750	Starved
760-770	Deaths, births
780-790	Immigrants exceed Countrymen
800-840	Plague Deaths
850-890	Yearly update
900-910	Title

Line #

Statement(s)

Comments

USE OF SHADED AREA IS FOR 2ND OR MORE LINES OF MULTIPLE STATEMENTS

DO NOT ENTER A SPACE BETWEEN LINE # AND STATEMENT, THIS IS DONE BY THE UNIT

1

.

2

.

3

:RETURN

4

.

5

.

10 CLEAR ;GOSUB 900

20 GOTO 80

30 CY=16;PRINT F," BUSHELS OF
FOOD";RETURN40 CY=8;PRINT A," ACRES OF LA
ND";RETURN

50 PRINT "HOW?";RETURN

60 FOR E=1 TO 2000;NEXT E;RETU
RN70 CY=-24;PRINT " ";RETUR
N80 P=100;F=3000;A=1000;Y=0;L=
0;NT=0;W=0;K=0;N=18+RND (3)

90 CLEAR

100 PRINT "KING HAMURABI

110 IF Y>0 GOTO 140

120 PRINT "YOU START YOUR RULE
WITH:

130 GOTO 180

140 IF Y=10 GOTO 170

150 PRINT "AFTER ",#1,Y," YEAR
(S) OF RULE:

160 GOTO 180

170 PRINT "AT THE END OF YOUR
REIGN:

180 PRINT P," PEOPLE

190 GOSUB 30;GOSUB 40

200 IF Y#10 GOTO 280

210 PRINT K," PEOPLE DIED

220 PRINT

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Line #	Statement(s)	Comments
230	$Z = (P \times 2) + ((F - (P \times 20)) \div 10) + ((A \times 10) \div P) - ((K - 10) \times 5)$	
240	PRINT Z, " PERFORMANCE PTS.	
250	IF Z > M: M = Z	
260	PRINT "TODAY'S HIGH SCORE="	
	" #5, M	
270	PRINT "AGAIN?"; A = KP; GOTO 10	
280	V = 17 + RND (5)	
290	PRINT V, " BHL/AC LAND VALUE	
300	PRINT "BUY LAND HOW MANY ACRES?"	
310	INPUT B	
320	IF B = 0 GOTO 410	
330	L = B x V	
340	IF L < F GOTO 380	
350	IF L > F GOTO 50	
360	GOSUB 60; GOSUB 70	
370	GOTO 310	
380	F = F - L; A = A + B	
390	GOSUB 30; GOSUB 40	
400	IF B > 0 GOTO 510	
410	CY = -8; PRINT "SELL LAND HOW MANY ACRES?"	
420	INPUT S	
430	IF S = 0 GOTO 510	
440	IF S < A GOTO 490	
450	IF S = A PRINT "SO YOUR QUITTING!!"; GOTO 260	
460	IF S > A GOSUB 50	
470	GOSUB 60; GOSUB 70	
480	GOTO 420	
490	A = A - S; F = F + V x S	
500	GOSUB 30; GOSUB 40	
510	CY = -8; PRINT "GIVE OUT FOOD # BUSHEL'S?"	
520	INPUT C	
530	IF C < F GOTO 560	

USE OF SHADED AL-
S FOR 2ND OR
MORE LINES OF MULTI-
LINE STATEMENTSDO NOT ENTER A SPACE
AND STATEMENT, THIS
BETWEEN LINE #
AND BY THE UNIT

Line #	Statement(s)	Comments
540	IF C>FGOSUB 50	
550	GOSUB 60;GOSUB 70;GOTO 520	
560	F=F-C;GOSUB 30	
570	CY=-8;PRINT "PLANT CROPS? # OF ACRES? "	
580	GOTO 600	
590	GOSUB 60;GOSUB 70	
600	INPUT G;X=G/2	
610	IF (G>A)+(X>F)+(G>15XP)GOS UB 50;GOTO 590	
620	F=F-X;GOSUB 30;GOSUB 60	
630	D=P-C/N	
640	IF D>0GOTO 660	
650	IF D<0D=0;V=RND (3)-1	
660	H=RND (4)+1;T=H*XG	
670	R=((F+T)/100)*RND (7)	
680	F=F-R+T;J=RND (9)	
690	I=((F/250)/(D+1))+((A/P)-1 0)	
700	IF I<=50GOTO 720	
710	I=50	
720	P=P+I-D+U;Y=Y+1;W=W+I;K=K+ D;CLEAR	
730	PRINT "KING HAMURABI	
740	PRINT "LAST YEAR	
750	IF D>P/4IF J#5IF Y>3PRINT D," PEOPLE STARVED YOU HAVE BEEN THROWN IN PRI SON!";GOTO 260	
760	IF D>0PRINT D," DEATHS	
770	IF U>0PRINT U," BIRTHS	
780	PRINT I," PEOPLE IMMIGRATED	
790	IF W>(P/2)+W/3PRINT "IMMIG RANTS EXCEED COUNTRY-MEN A ND HAVE TAKEN OVER THE C OUNTRY!";GOTO 260	

Line #

Statement(s)

Comments

800 IF J#5 GOTO 850

810 PRINT "THE PLAGUE KILLED

820 Q=(P*(10*RND(5)))÷100

830 PRINT Q, " PEOPLE

840 P=P-Q

850 PRINT "YOUR PEOPLE HARVEST
ED

860 PRINT T, " BUSHELS AT

870 PRINT H, " BUSHELS PER ACRE

880 PRINT "RATS ATE ", #3, R, " B
USHELS

890 GOSUB 60; GOTO 90

900 FOR A=-63 TO 57 STEP 24; BOX
A, 32, 12, 8, 1; NEXT A; BOX -3,
-4, 132, 64, 1910 CX=-47; CY=0; PRINT " KING
HAMURABI"; CX=-47; PRINT " B
Y R M HOUSER"; A=KP; RETURNUSE OF SHADED AT
MORE LINES OF MUL
LINE STATEMENTSDO NOT ENTER A SPA
AND STATEMENT, THIS
BETWEEN LINE #
ONE BY THE UNIT