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% SUMER CHUCK;D;E;F;G;H;I;L;N;P;R;S;T;X;Y;NN;SS;LOG;JUNK
H_200+G_1800+P_L_800+R_105+SS_77+E_13+I_2+Y_3+D_T_0
OUT1[4 RHO (CRLF)]
YEAR: OUT1['MY LORD AND MASTER, ABSOLUTE DICTATOR OF SUMER,']
OUT1['I, YOUR HUMBLE SERVANT, HAMURABI, BEG TO REPORT']
OUT['ON THE STATE OF YOUR DOMAIN. LAST YEAR';D_D-SS LE 0;' PERSONS']
OUT['DIED OF STARVATION, AND ';I;' NEW PERSONS CAME INTO YOUR DOMAIN']
LOG_5=QSC 10
LOG QQ 'MOST REGRETABLY, HALF OF THE POPULATION DIED IN A PLAGUE EPIDEMIC'
SS_SS DD 1+LOG
OUT['THE POPULATION OF YOUR DOMAIN IS NOW ';SS;' LOYAL SUBJECTS.']
LOG_SS<20
LOG QQ 'WE WHO ARE LEFT HAVE DECIDED TO EMIGRATE TO AMERICA.'
LOG QQ 'FRANKLY, MASTER, AS A RULER YOU ARE A FLOP.'
GOTO ((T GE 10),LOG)/ WIN,XT
OUT['YOU NOW OWN ';L;' ACRES OF LAND. WE PLANTED ';P;' ACRES LAST YEAR']
OUT['WE HARVESTED ';Y;' BUSHEL PER ACRE';(Y=0)/' DUE TO LOCUST.']
OUT1['THE TOTAL HARVEST WAS THEREFORE ',H,' BUSHEL.']
OUT1['YOUR ENEMIES CAUSED RATS TO DESTROY ',R,' BUSHEL.']
OUT1['AND SO YOU NOW HAVE ',G,' BUSHEL IN YOUR STOREHOUSE.']
OUT1['MASTER, THIS YEAR WE CAN BUY OR SELL MORE LAND']
BUY:OUT1['FOR ',E,' BUSHEL PER ACRE; HOW MANY ACRES DO YOU WISH TO BUY?']
LOG_1 RHO S_0 1>N_ININTSC
LOG QQ 'IT IS WRITTEN THAT THOU CANST NOT SELL NEGATIVE ACRES.'
GOTO S/ BUY,SELL
OUT1['THAT WILL COST ',(N_E MM NN_N),' BUSHEL.']
LOG_1 RHO S_N>G-0 1 // X_BUY
GOTO S/BUY,GRFT // LOG QQ 'THINK!!'
GOTO FEED- MUL L_L+NN // G_G-N
SELL: OUT1['HOW MANY ACRES DO YOU WISH TO SELL?']
LOG_1 RHO S_0 1>N_ININTSC
LOG QQ 'IT IS WRITTEN THAT THOU CANST NOT SELL NEGATIVE ACRES.'
GOTO S/ SELL,FEED
LOG_S[2] NE 1 RHO S_N >L-0 1 // X_SELL
LOG QQ 'PLEASE RECONSIDER. YOU WILL HAVE NO LAND LEFT.'
GOTO S/ GRFT,SELL
L_L-NN // G_G+N_E MM NN_N
OUT1['YOU HAVE GAINED ',N,' BUSHEL.']
OUT1['YOU NOW HAVE ',L,' ACRES AND ',G,' BUSHEL OF GRAIN.']
FEED: OUT1['HOW MANY BUSHEL OF GRAIN DO YOU WISH TO DISTRIBUTE AS FOOD?']
LOG_1 RHO S_0 20 > N_ININTSC
LOG QQ 'I KNOW NOT THE MEANING OF NEGATIVE NUMBERS, MASTER.'
LOG_S[2] NE 1 RHO S
LOG QQ 'TYRANT! ALL THY PEOPLE SHALL STARVE!'
LOG QQ ' I WILL LEAD THE COMING REVOLUTION'
GOTO S/ FEED,XT
LOG_G<N
LOG QQ 'THINK, MASTER. YOU HAVE NOT THAT MANY BUSHEL.'
S_G=N
S QQ 'YOU WILL HAVE NO GRAIN IN THE STOREHOUSE FOR SEED.'
S QQ 'SURELY I MISHEARD YOU, MASTER. PRAY TELL ME AGAIN,'
GOTO (S OR G<N) RHO FEED
G_G-F_N
PLANT: OUT1['HOW MANY ACRES DO YOU WISH TO PLANT WITH SEED?']

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LOG_(G<N) AND NOT S_L<N_ININTSC
LOG QQ 'THINK, MASTER. YOU HAVE NOT THAT MANY BUSHEL LEFT.'
LOG QQ 'THE GODS DECREE THAT ONE BUSHEL IS REQUIRED TO PLANT ONE ACRE.'
LOG QQ 'SURELY I MISHEARD YOU, MASTER. PRAY TELL ME AGAIN,'
S QQ 'COME NOW, MASTER. THERE ARE NOT THAT MANY ACRES IN YOUR DOMAIN.'
S QQ 'SURELY I MISHEARD YOU. PRAY TELL ME AGAIN,'
GOTO (S OR G<N) RHO PLANT
G_G+(H_N MM Y_(-1)+QSC 7)-R_((G_G-N) MM QSC 100) DD 100 // P_N
I_1+((QSC 100) MM 6+20 MM L) DD 100 MM SS)DD 100
SS_SS+I-D_D MUL 0<D_(SS+I DD 2)-F DD 19+QSC 6
E_13+(QSC 10)-1
GOTO YEAR,T_T+1 // OUT1[CRLF,'(A YEAR PASSETH. . .)']
WIN: OUT1['HONORED MASTER, I AND YOUR ',SS,' LOYAL SUBJECTS,']
OUT1['HAVING PROSPERED FOR ',T,' YEARS UNDER YOUR REIGN,']
OUT1['HAVE DECIDED TO LEAVE AND STUDY ECONOMICS']
OUT1['SO WE MAY BECOME AS WISE AS THEE.']
XT: RETURN // OUT1[CRLF,CRLF,'FAREWELL!']
GRFT: LOG_X=BUY
LOG QQ 'YOU WILL HAVE NO GRAIN LEFT IN THE STOREHOUSE'
LOG QQ 'TO USE AS SEED THIS YEAR, MOST GRACIOUS SIRE.'
JUNK _X=SELL
JUNK QQ 'GOOD GRIEF, MASTER. YOU HAVE NOT THAT MANY ACRES.'
OUT1['YET, FOR A GIFT OF BUT ',(N_1+G DD 10),' BUSHEL, I']
OUT1['GUARANTEE THAT NO ONE SHALL EXPOSE YOUR STUPIDITY']
OUT1['TO THE POPULACE',8 RHO (CRLF)]
OUT1[CRLF,'THANK YOU, SIRE. NOW, PRAY TELL ME AGAIN,']
GOTO X // G_G-N

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% A_B MM C
A_FLOOR B MUL C %

% A_B DD C
A_FLOOR B DIV C %