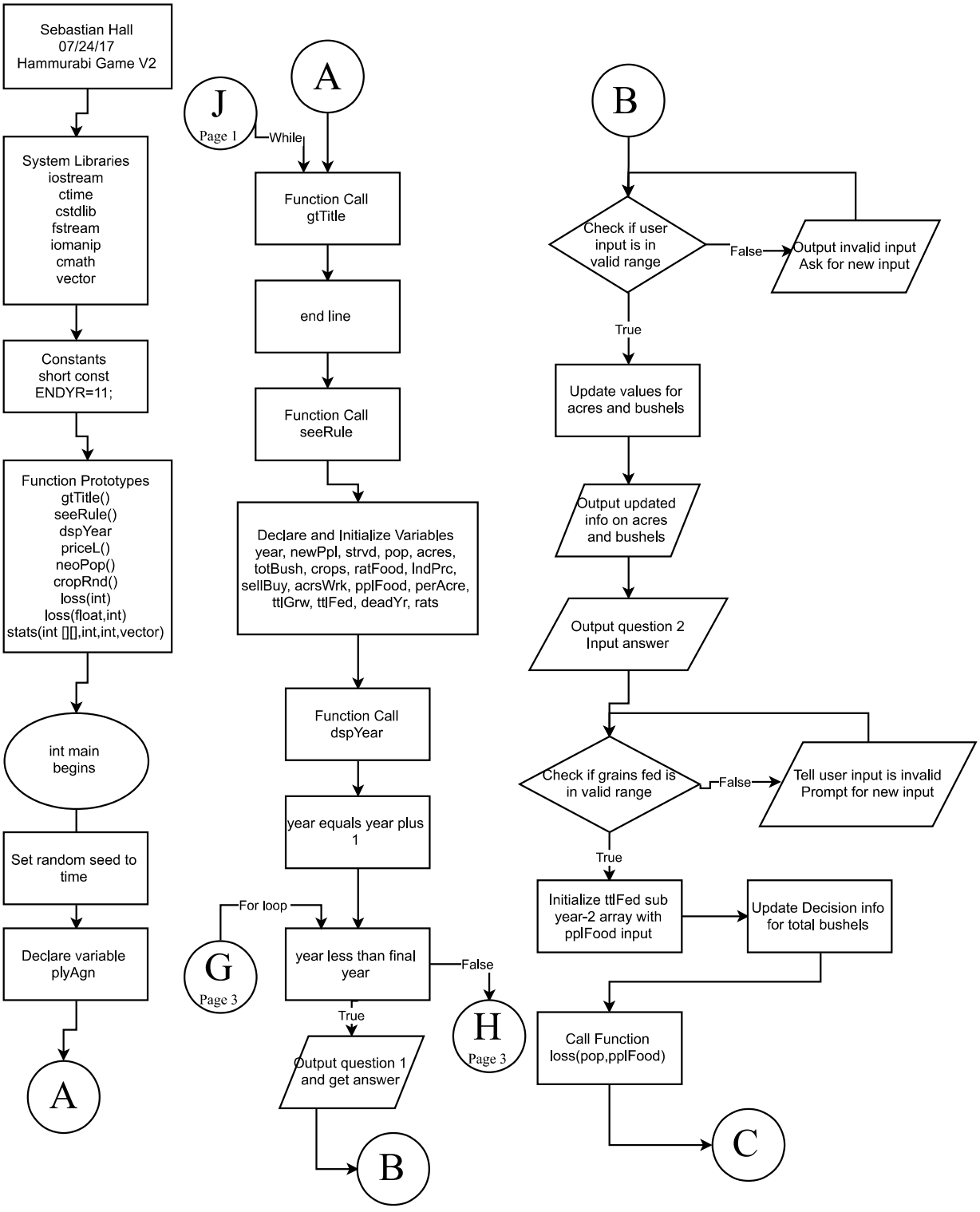
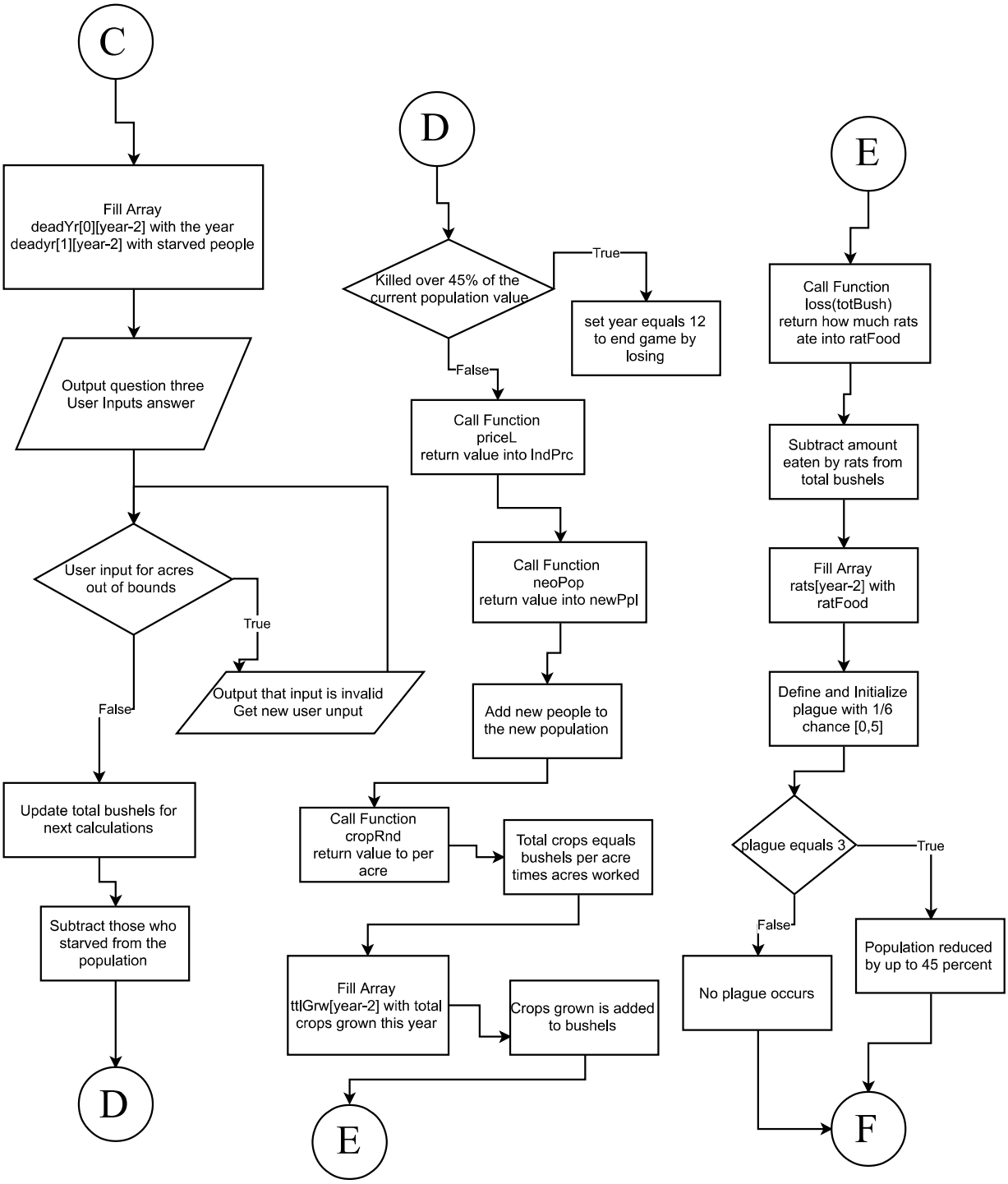
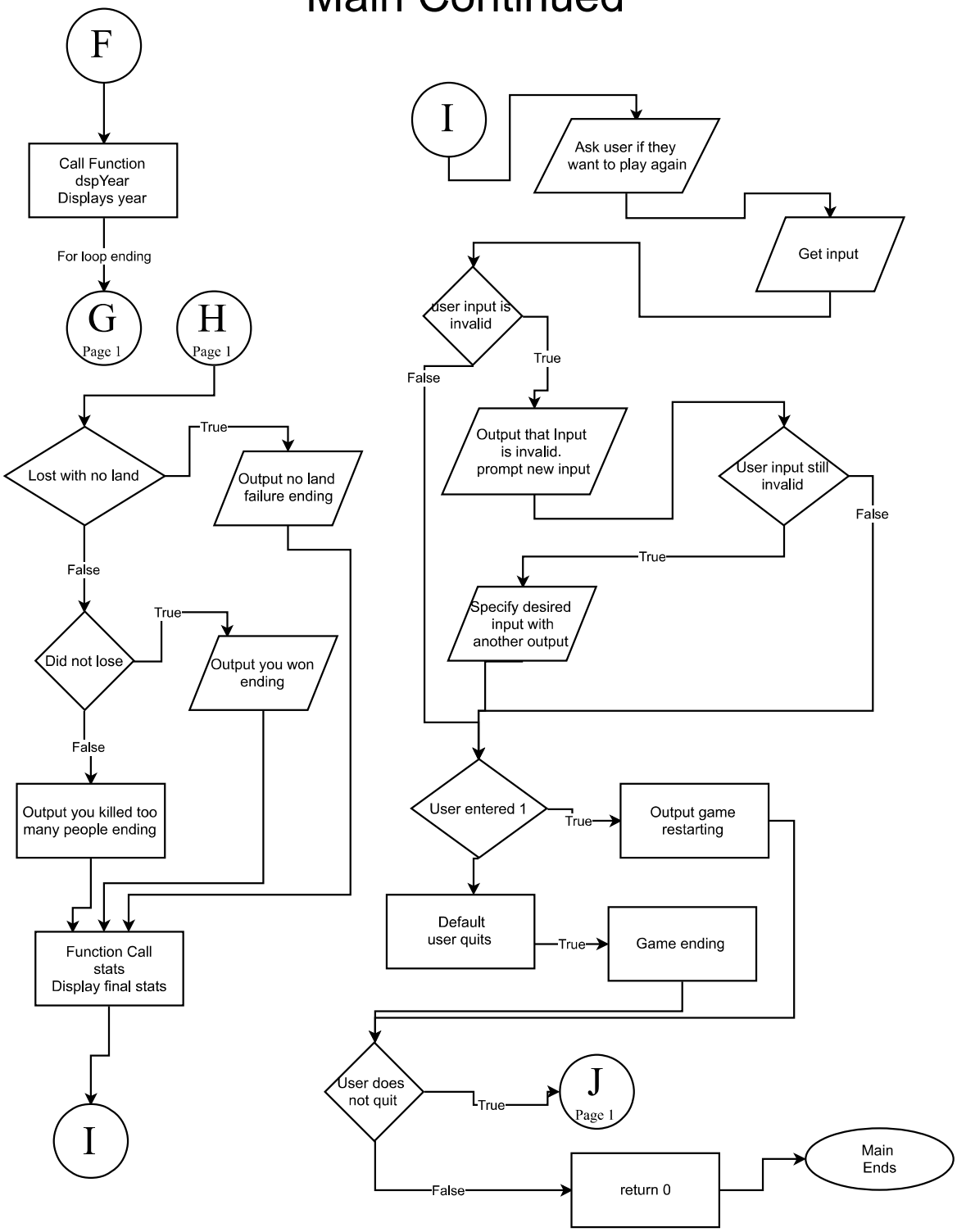
Hammurabi


Sebastian Hall
07/24/17
Hammurabi Game V2
System Libraries
iostream
ctime
cstdlib
fstream
iomanip
cmath
vector
Constants
short const
ENDYR=11;
Function Prototypes
gtTitle()
seeRule()
dspYear
priceL()
neoPop()
cropRnd()
loss(int)
loss(float,int)
stats(int [][],int,int,vector)
int main
begins
Set random seed to
time
Declare variable
plyAgn
A
J
Page 1
While
A
Function Call
gtTitle
end line
Function Call
seeRule
Declare and Initialize Variables
year, newPpl, strvd, pop, acres,
totBush, crops, ratFood, IndPrc,
sellBuy, acrsWrk, pplFood, perAcre,
ttlGrw, ttlFed, deadYr, rats
Function Call
dspYear
year equals year plus
1
For loop
G
Page 3
year less than final
year
False
True
H
Page 3
Output question 1
and get answer
B
B
Check if user
input is in
valid range
False
Output invalid input
Ask for new input
True
Update values for
acres and bushels
Output updated
info on acres
and bushels
Output question 2
Input answer
Check if grains fed is
in valid range
False
Tell user input is invalid
Prompt for new input
True
Initialize ttlFed sub
year-2 array with
pplFood input
Update Decision info
for total bushels
Call Function
loss(pop,pplFood)
C

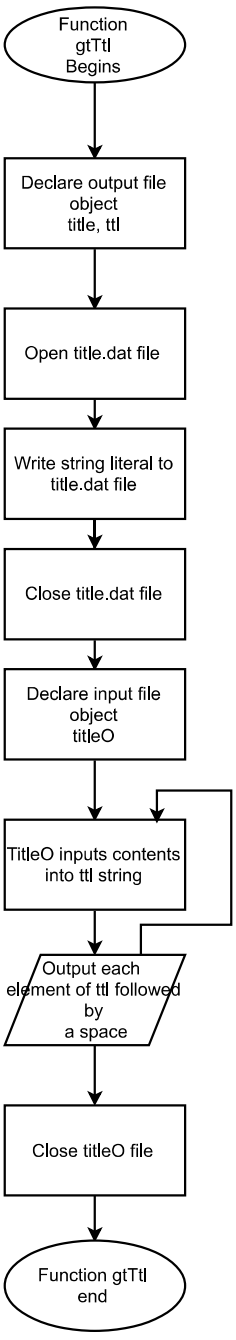
Main Continued



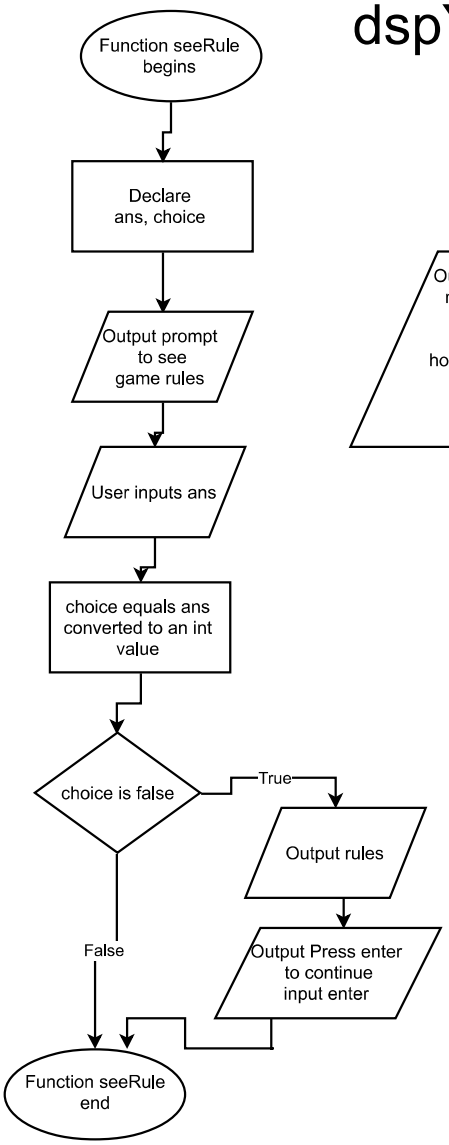
Main Continued



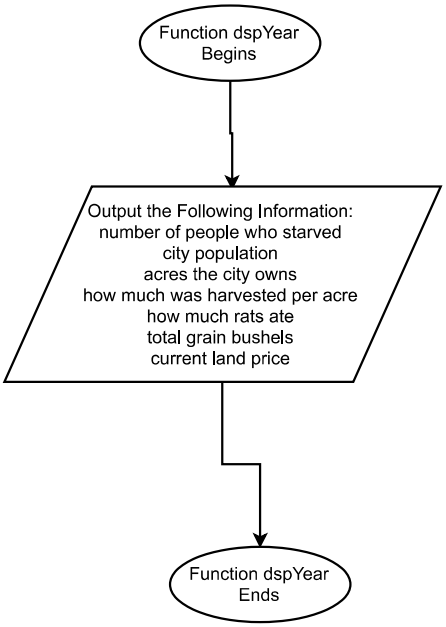
GtTtl Function



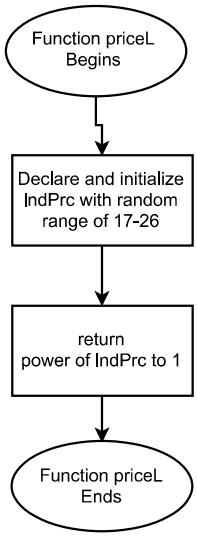
seeRuleFunction



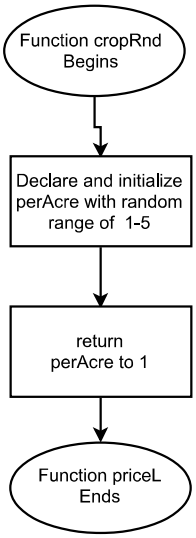
dspYear Function



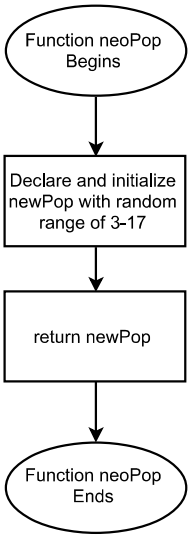
priceL Function



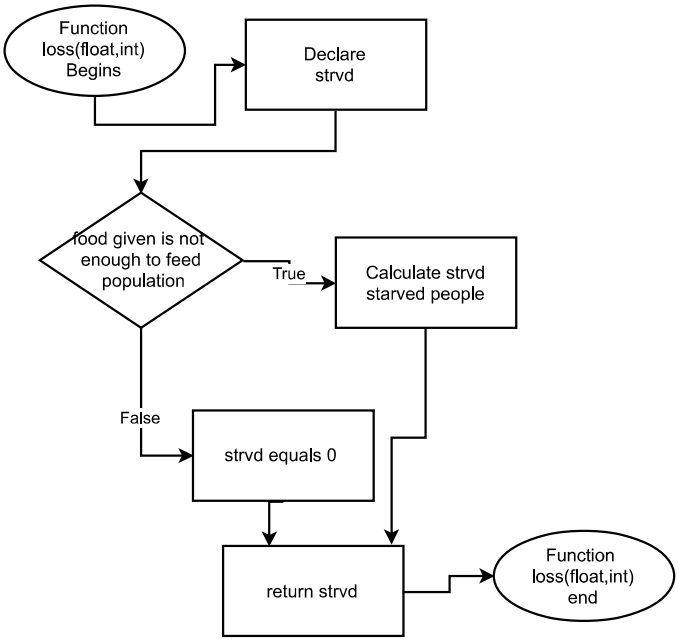
priceL Function



neoPop Function

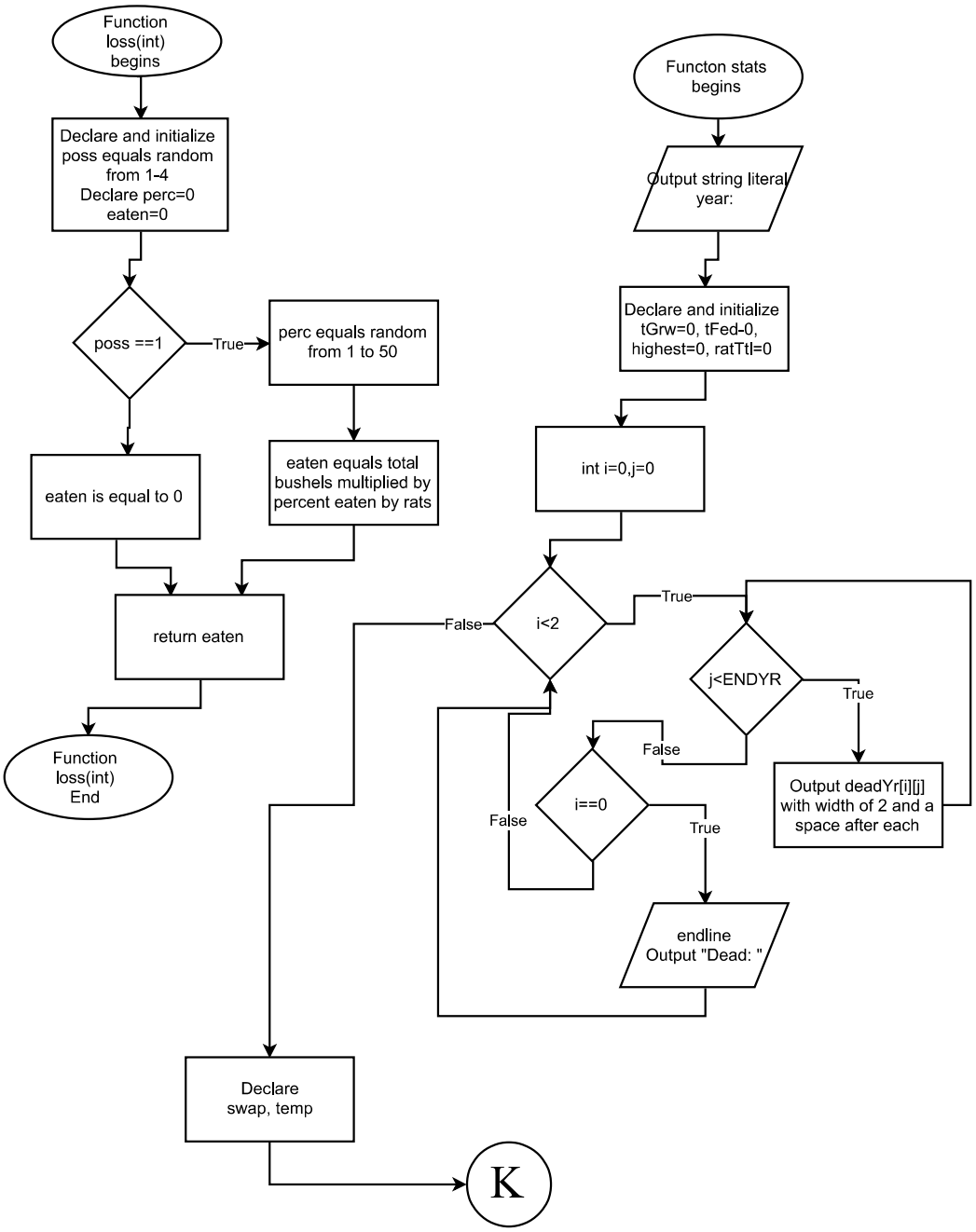


loss(float,int) Function

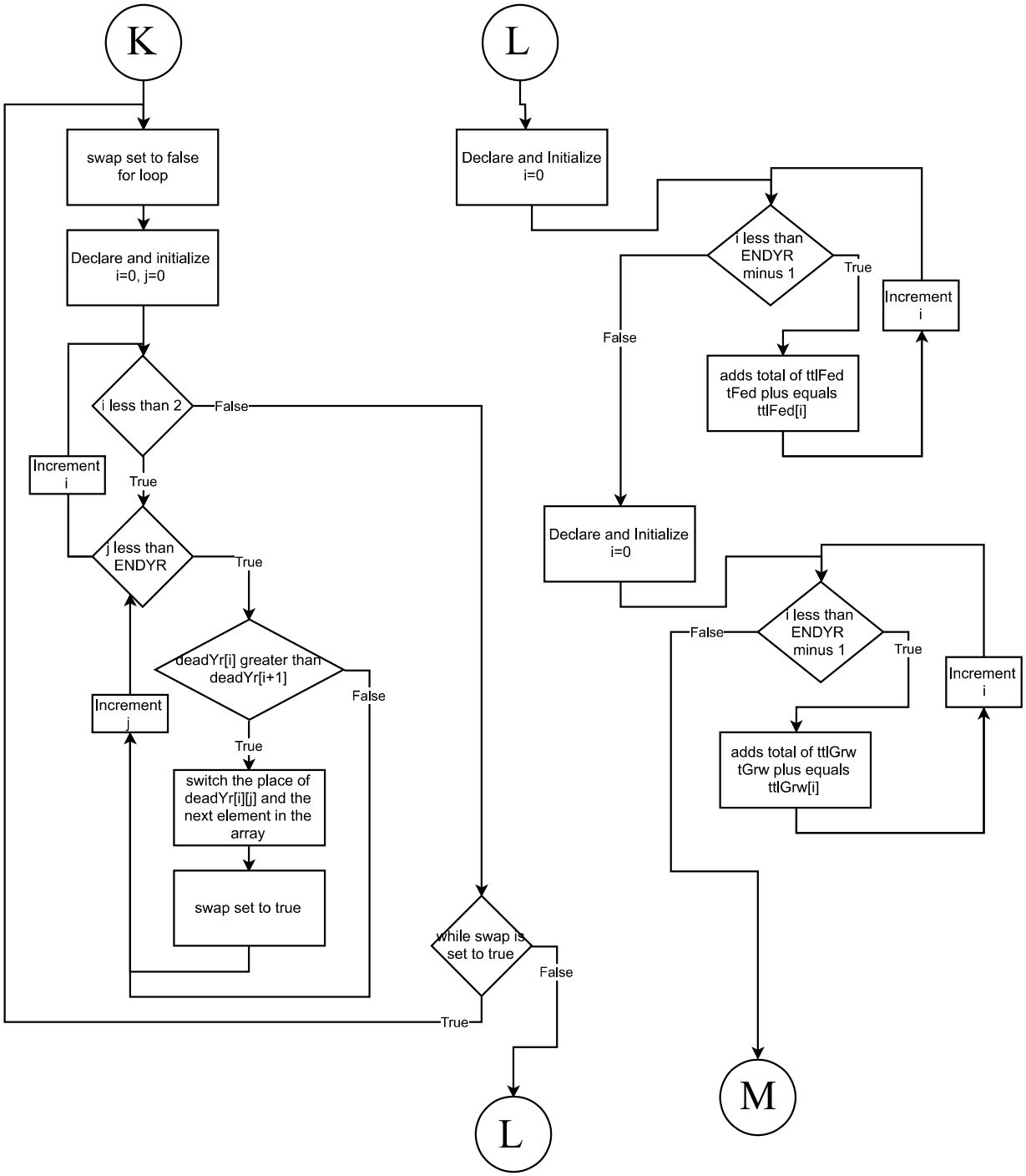
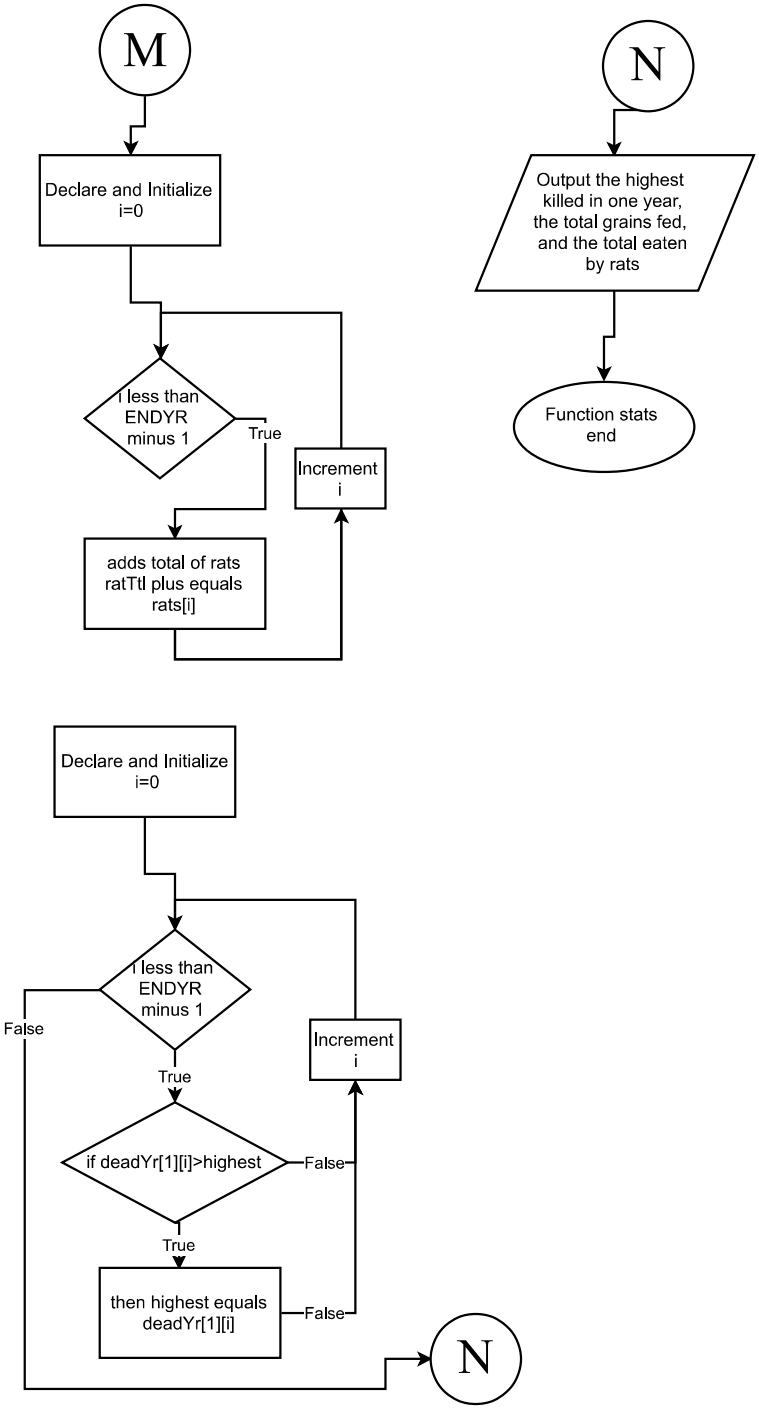


priceL Function

stats Function



stats Function Continued



stats Function Continued