

Assignment 1:

a)

So....I think the answer you want is

out1:16

out2:17

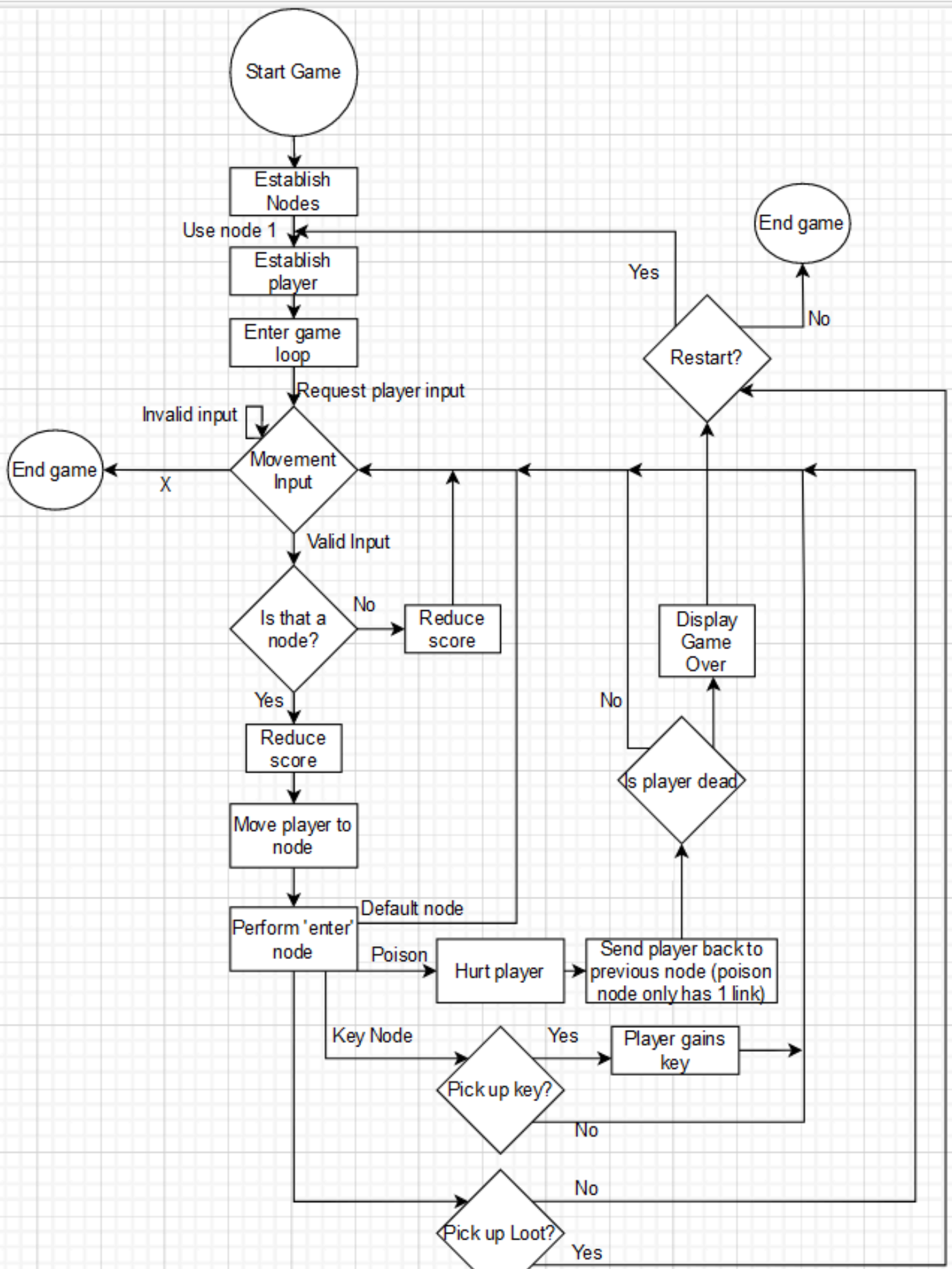
However you (i assume it is a typo) used the undeclared variable 'n'. So this would not compile.

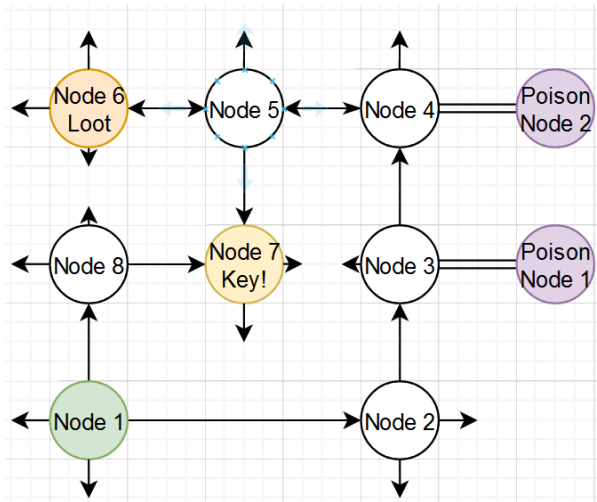
b)

6 11 16 21 26

2) only code? Its in the zip.

3) below are my flow charts and preparation for nodes.





- Nodes will need cardinal pointers.
- Derived class for key node, derived class for loot node.
- Derived poison nodes.
- Poison nodes when stepped on should poison the player, and send them back to the node you came from

So nodes need: 4 pointers, and a 'enter' function (does nothing in base class)

Key node needs: override 'enter' function

Loot node needs: override 'enter' function

Poison nodes need: override 'enter' function

-Key node enter function; ask player if they shall pick up the key. If they do, set 'hasKey' on player true

-Loot node enter function; if player hasKey, ask player if they shall pick up the loot. If they do, end the game.

-Poison node enter function; player takes one damage, and is sent back the node 3. This should not cost player the movement score penalty.

Player needs: (player is just a collection of variables, a class is redundant here i think)

The node they are on(location)

Int health

bool hasKey

Int score

As for general functions, I will need a 'assign.reassign all player values' function, 'assign all node links' function, and a 'game over function'. Also, you need to change location to our current location's relevant direction as per player input. If the direction reference is a nullptr, you run into a wall instead! I think that is clever, anyways.