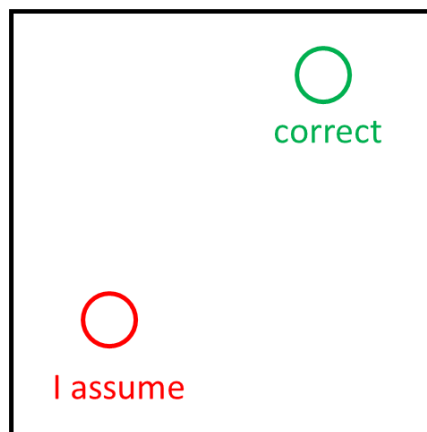


# Data structure Hw1

1. Language to implement: C++
2. Execution environment: Visual Studio Code
3. Problem encountered:
  - a. Not familiar with constructor for struct.
  - b. The x-axis and y-axis are vertical and horizontal respectively which is contrary to mathematics and is easy to confuse.

Ex: (1, 12)



- c. When to print the "steps:x,y" is hard to determined. If put it in first level of loop while( $d < 4$ ), it would print the same point repeatedly when trying different direction to move. The conclusion about "when to print path" I got is to print it whenever the point push in to the stack or pop out from the stack.