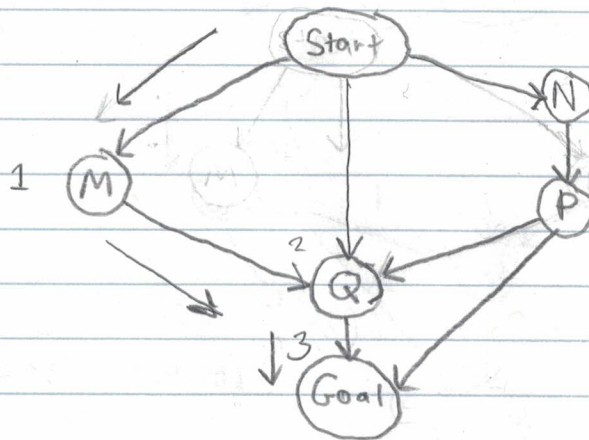


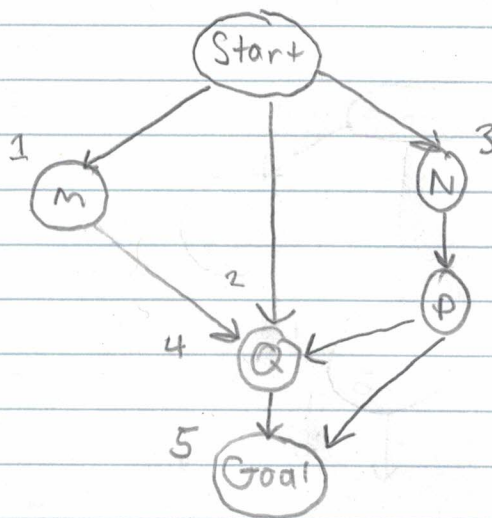
## Assignment 1

### 2. Depth-first search



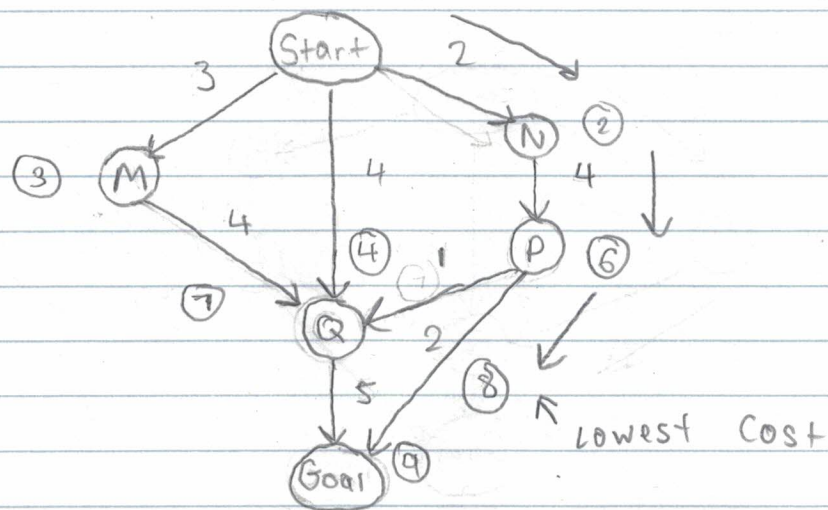
Returned Path: Start  $\rightarrow$  M  $\rightarrow$  Q  $\rightarrow$  Goal

### Breadth-first search



Returned Path: Start  $\rightarrow$  M  $\rightarrow$  Q  $\rightarrow$  N  $\rightarrow$  Q  $\rightarrow$  Goal

## Uniform cost search

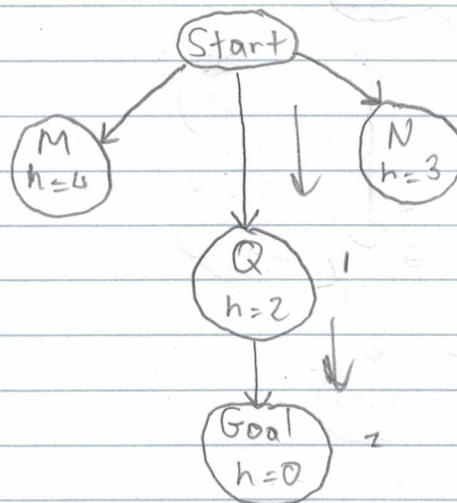


Visited:

S  
N  
M  
Q  
P

Returned Path: Start  $\rightarrow$  N  $\rightarrow$  P  $\rightarrow$  Goal

## Greedy search



Returned Path: Start  $\rightarrow$  Q  $\rightarrow$  Goal