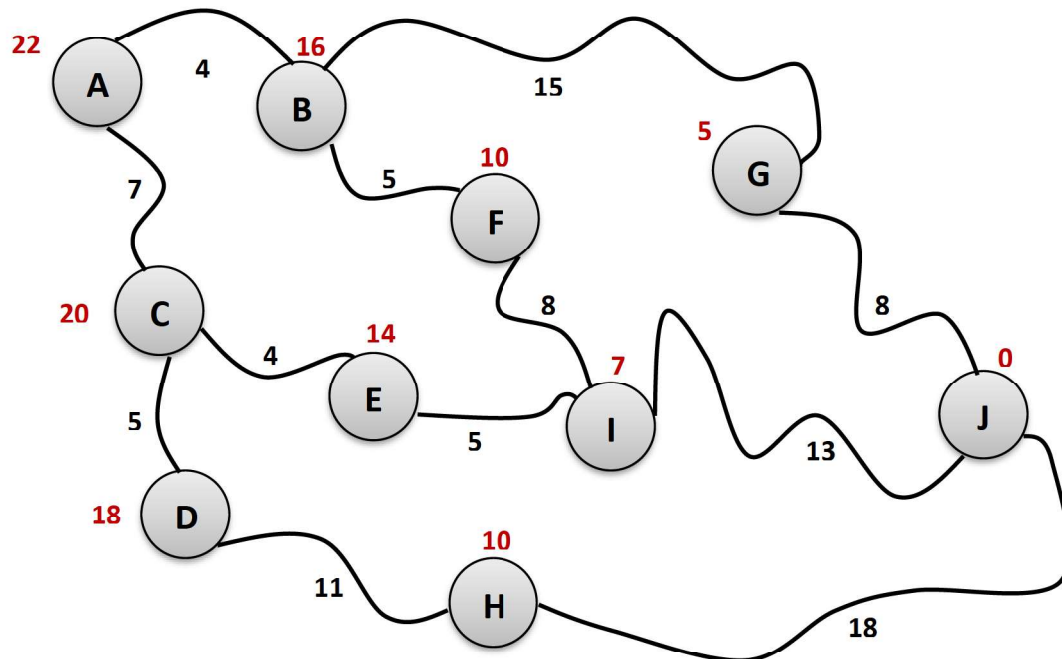


## Shortest Path Algorithms (A\*)

Use A\* Algorithm to demonstrate the shortest path in each of the following examples. Remember to show updated distances and previous nodes!

### 1. Demonstrate the shortest path between A and J

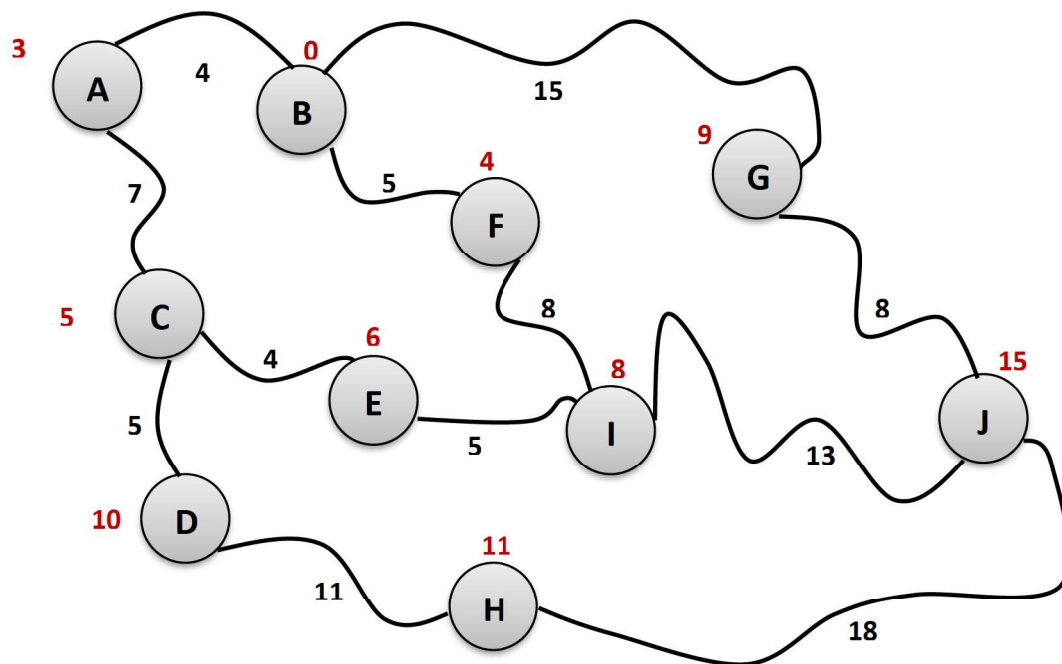


Node	Path Distance (p)	Heuristic (h)	p + h	Last Node
A				
B				
C				
D				
E				
F				
G				
H				
I				
J				

Shortest Path:

[11]

## 2. Demonstrate the shortest path between H and B

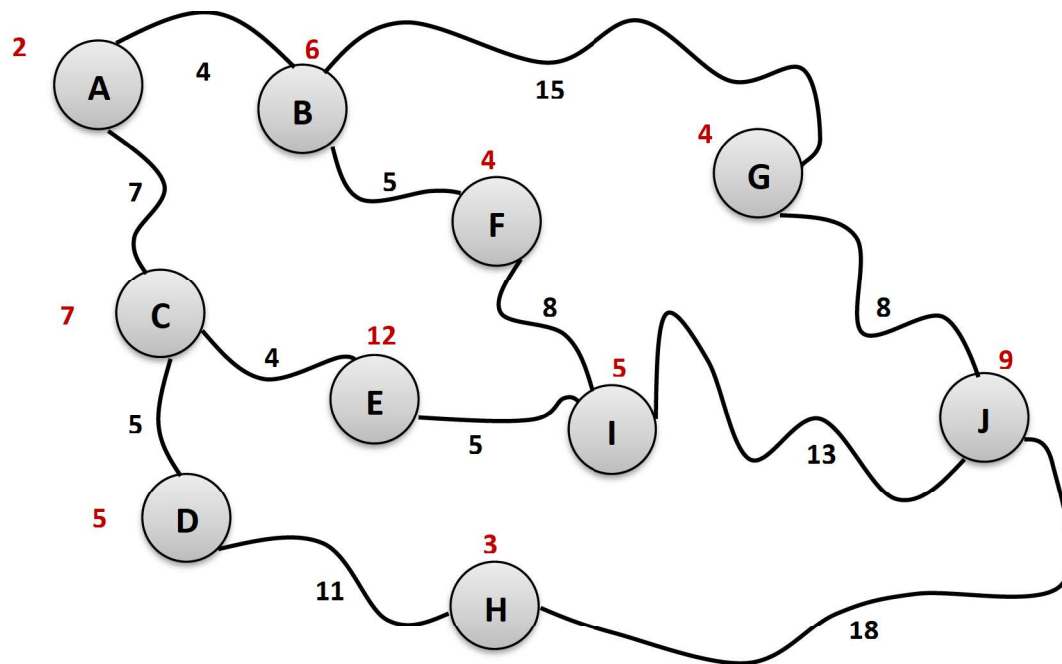


Node	Path Distance (p)	Heuristic (h)	p + h	Last Node
A				
B				
C				
D				
E				
F				
G				
H				
I				
J				

Shortest Path:

[11]

### 3. Demonstrate the shortest path between D and G



Node	Path Distance (p)	Heuristic (h)	p + h	Last Node
A				
B				
C				
D				
E				
F				
G				
H				
I				
J				

Shortest Path:

[11]