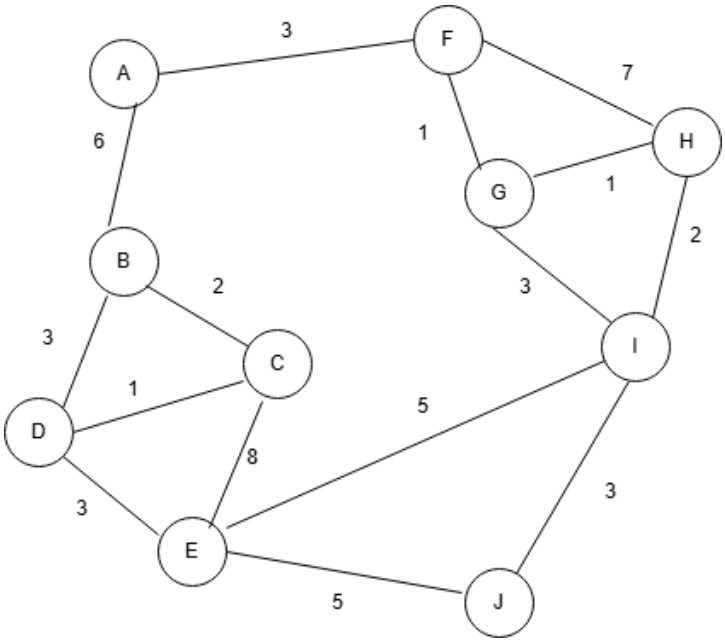
CSE 422 Assignment 1

Marks - 15

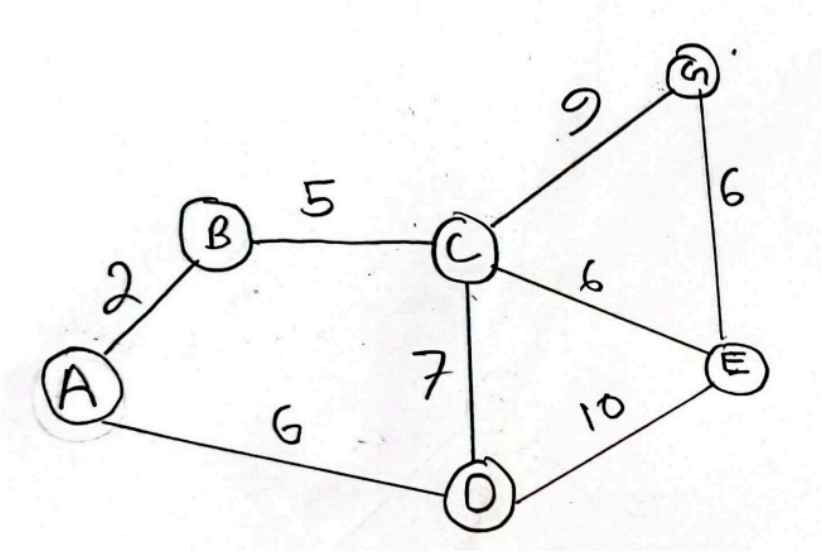
1.



Nodes	Heuristic
A	10
B	8
C	5
D	7
E	3
F	6
G	5
H	3
I	1
J	0

Question: Apply Greedy Best First Search and A Star Search and find the cost of the optimal path. Consider A as the starting point.

2.

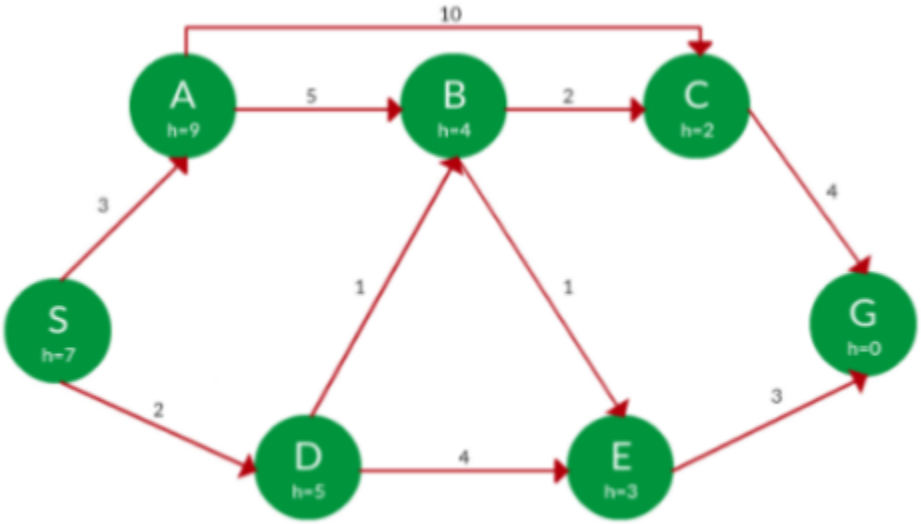


Nodes	Heuristic
A	20
B	16
C	6
D	10
E	4
G	0

Question:

a. Apply Greedy Best First Search and A Star Search, and find the cost of the optimal path.
b. Check whether the current heuristic value of D is both consistent and admissible or not.

3.



Apply A* Search [Tree Search] and Greedy Best First Search on the graph to find the path and cost. (Consider S as the start node)