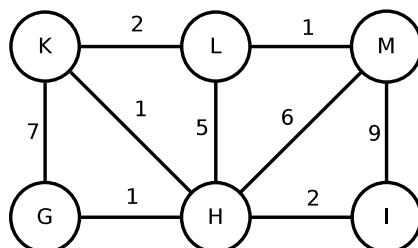


CS444 Minimum Cost Search Exercise

- Fill in the table below by tracing the execution of a minimum-cost search of the following graph:



Assume that G is the start state and L is the goal state. Use the following notation for path-nodes:

(State, Parent State, Path Cost)

Where “Parent State” refers to the state stored in the parent path node.

I’ve finished the first two rows to demonstrate the format.

Iteration #	Frontier	Explored
1.	(G, -, 0)	-
2.	(K, G, 7), (H, G, 1)	G
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Examine the path nodes that you have created to confirm that they can be used to reconstruct the lowest-cost path to the goal.