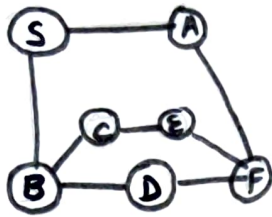


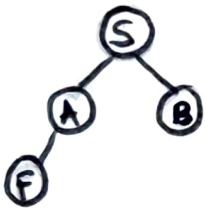
Assignment-I

Page-1

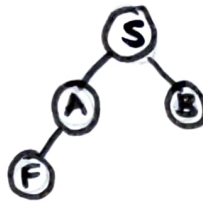
1) Graph I: BMS, BFS, DFS (Source S, Goal F)



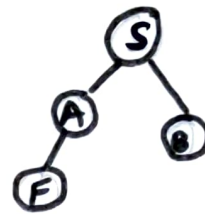
BMS:



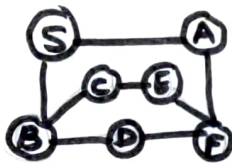
BFS:



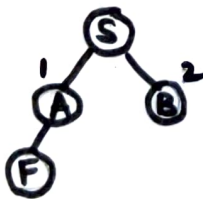
DFS:



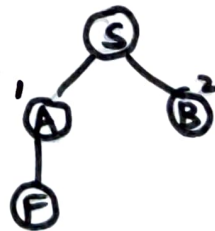
2) Graph 2: He, Beam Search (Source S, Goal F) Assume uniform cost/H.



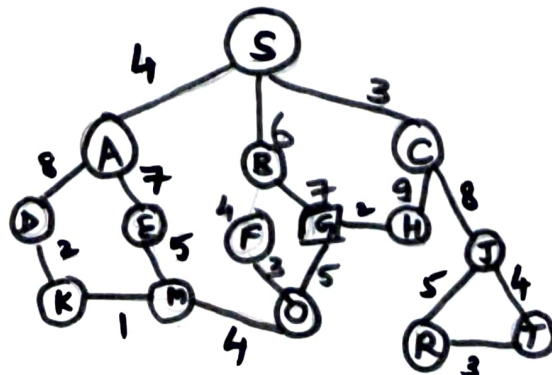
He:



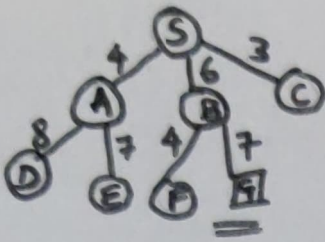
Beam Search:



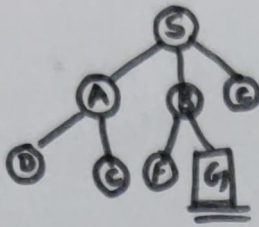
3) Apply all algorithms to problem below (Source S, Goal G).



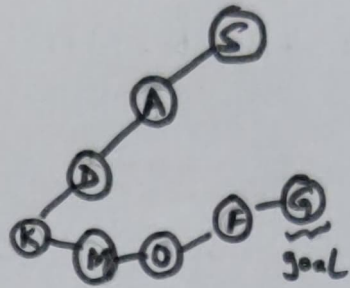
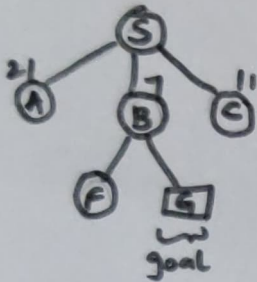
BMS :



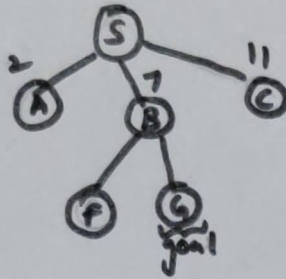
BF5:



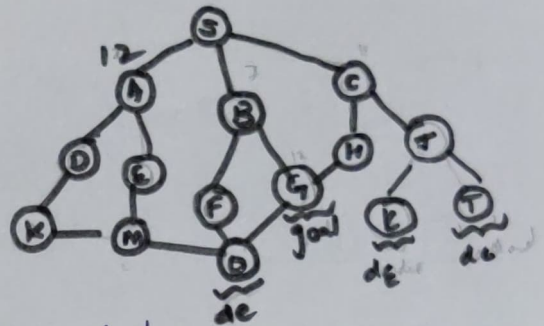
DFS :


$$HC:$$


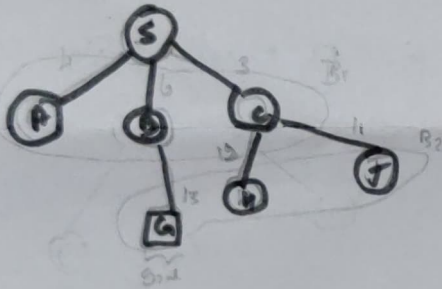
Beam Search:



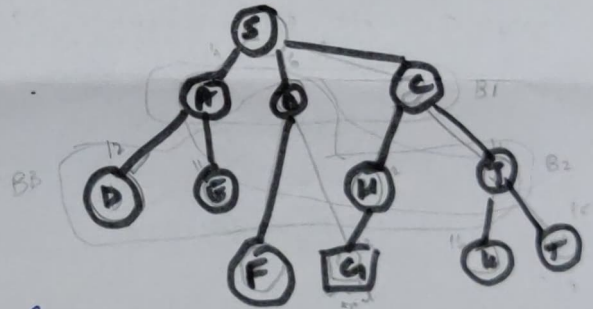
Grade:



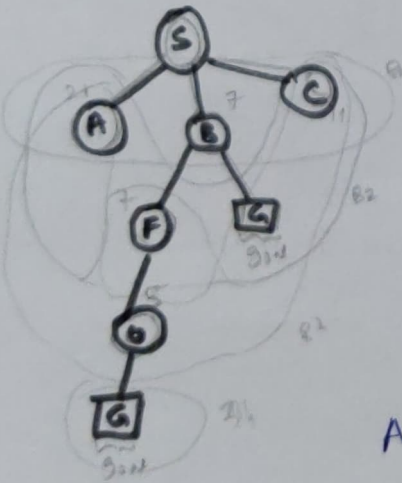
Branch & bound:



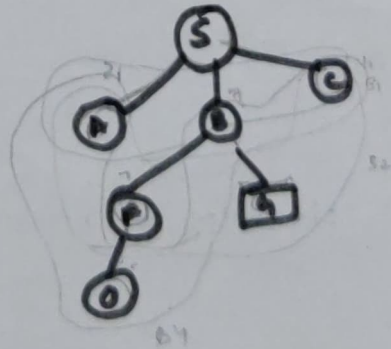
Branch & bound mks extended 1st:



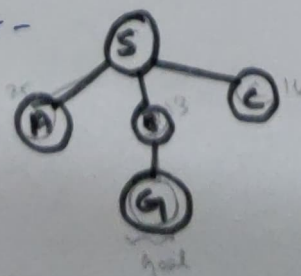
Branch & bound like heuristics -



Extended list branch \rightarrow bound with H.

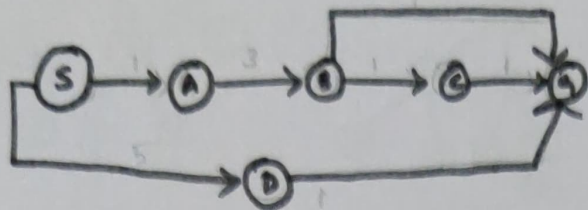


At -

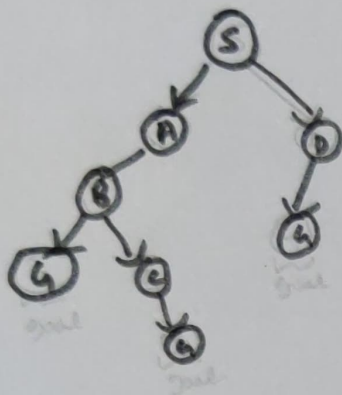


Best first Search -

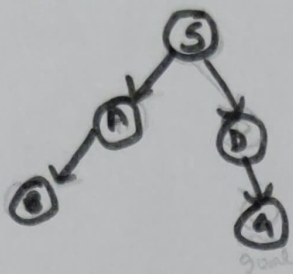
4) Apply all alg to problem below / Source S, Goal G)



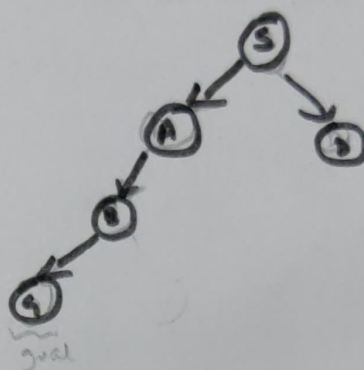
BFS:



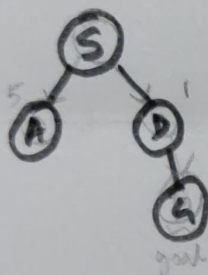
BFS:



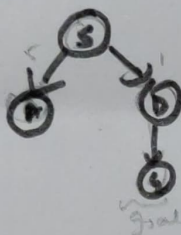
Dfs:



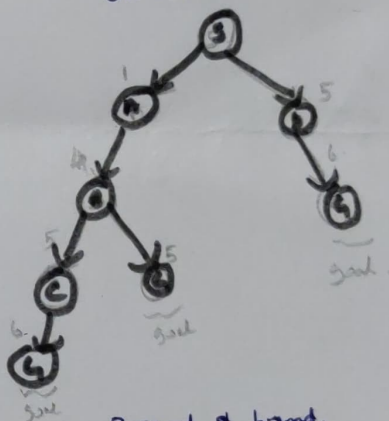
Hc:



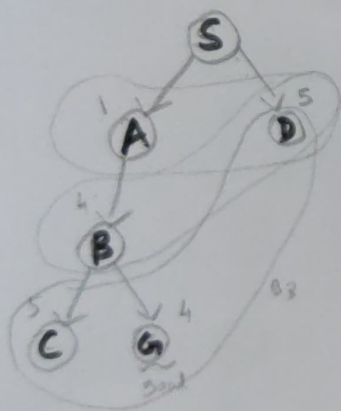
Beam search:



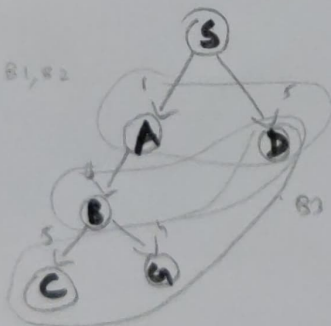
Oracle-



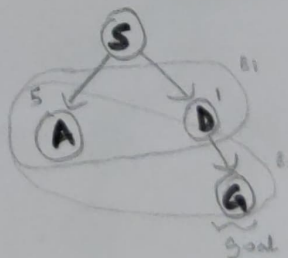
Branch + bound, c:



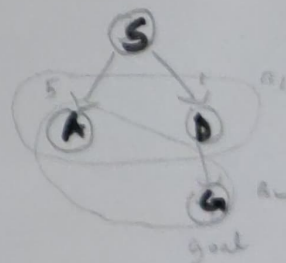
Branch + bound, EL:



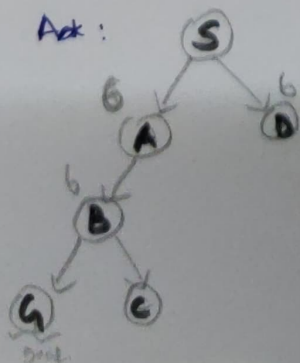
Branch + bound, H:



Ext list, branch + bound, h:



Adx:



Best first search =