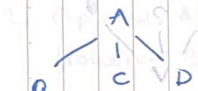
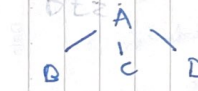
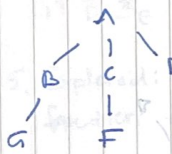
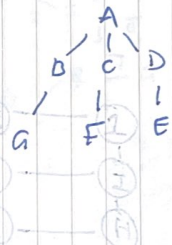


No.

Date

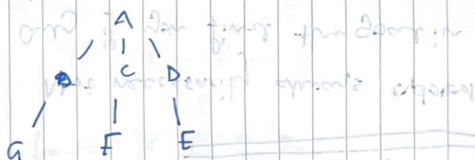
BFS

1. Explored: A

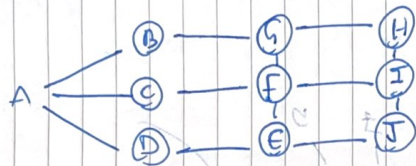
2. Explored: A, B  
frontier: C, D3. Explored: A, B, C  
frontier: G, D, F4. Explored: A, B, C, D  
frontier: G, F, E

5. Explored: A, B, C, D, G

frontier: F, E

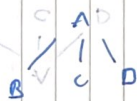


Path found: A, B, G.



### DFS:

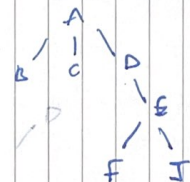
1. Explored: A  
frontier: B, C, D



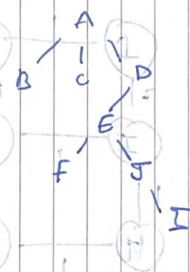
2. Explored: A, D  
frontier: B, C, E



3. Explored: A, D, E  
frontier: B, C, F, J



4. Explored: A, D, E, J  
frontier: B, C, F, I



5. Explored: A, D, E, J, I  
frontier: B, C, F, H



6. Explored: A, D, E, J, I, H  
frontier: B, C, F, G

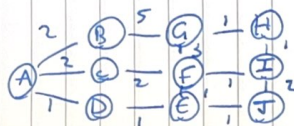


7. Explored: A, D, E, J, I, H, G  
frontier: B, C, F

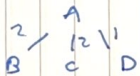
Path: A, D, E, J, I, H, G

Not necessarily always explored = path.  
Only if you find the goal in the first try.

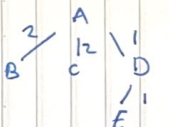
Uniform cost search:



1. Explored: A  
frontier: B, C, D

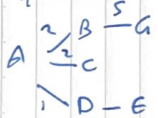


2. Explored: A, D  
frontier: B, C, E

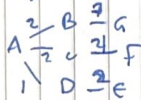


If tie, alphabetical.

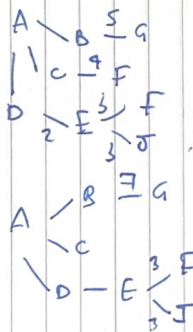
3. Explored: A, D, B  
frontier: C, E, G



4. Explored: A, D, B, C  
frontier: E, G, F

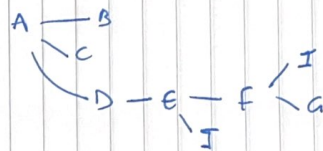
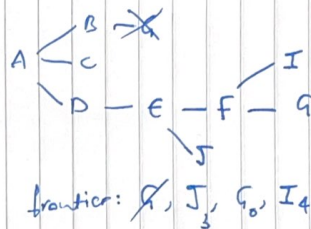


5. Explored: A, D, B, C, E  
frontier: G, F, J, F

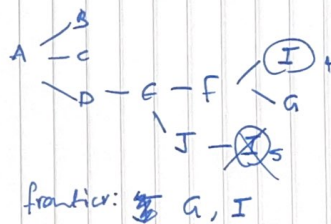


Path: A, D, E, F, G

6. Explored: A, D, B, C, E, F



7. Explored: A, D, B, C, E, F, J



8. Explored: A, D, B, C, E, F, J, I  
cost to H would be 5.

9. Explored: A, D, B, C, E, F, J, I, H  
frontier: G

10. Explored: A, D, B, C, E, F, J, I, H, G