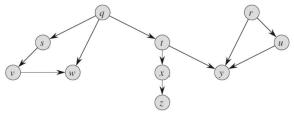


Question 1
Partially correct
3.00 points out of 20.00

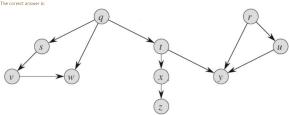


Starting at node Q, perform a DFS on the above graph. Consider the vertices in alphabetical order (for example, if you have a choice between vertex X and vertex Y, choose vertex X because it is first alphabetically). Assume that each adjacency list is ordered alphabetically. Give the discovery and finishing times for each vertex. ONE FREE ANSWER. Discovery time on vertex Q is 1.



Your answer is partially correct.

You have correctly selected 3. The correct answer is:



Starting at node Q perform a DFS on the above graph. Consider the vertices in alphabetical order (for example. If you have a choice between vertex X and vertex Y, choose vertex X because it is first alphabetically). Assume that each adjacency list is ordered alphabetically, Give the discovery and finishing times for each vertex. ONE FREE ANSWER. Discovery intens on vertex O is 1.

Discovery time on vertex Q is 1.		
Vertex	Discovery Time	Finishing T
Q	[1]	[16]
R	[17]	[20]
S	[2]	[7]
T	[8]	[15]
U	[18]	[19]
٧	[3]	[6]
W	[4]	[5]
Х	[9]	[12]
Υ	[13]	[14]
Z	[10]	[11]