Question 1: In Prim's algorithm, we start with the root vertex r; it can be any vertex.

🕑 TRUE

FALSE

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Question 2: You have an adjacency list for G, what is the time compexity to compute Graph transpose G^T?



Question 3: In strong components algorithm, first of all DFS is run for computing finish times of vertices.



Question 4: We can use the optimal substructure property to devise a \_\_\_\_\_\_ formulation of the edit distance problem.

Selective
Optimum
Iterative
Recursive

Question 5: Although it requires more complicated data structures, Prim's algorithm for a minimum spanning tree is better than Kruskal's when the graph has a large number of vertices.



FALSE

Question 6: According to parenthesis lemma. vertex u is a descendent of v vertex if and only if,

Question 7: The \_\_\_\_\_\_ given by DFS allow us to determine whether the graph contains any cycles.



Time stamps