

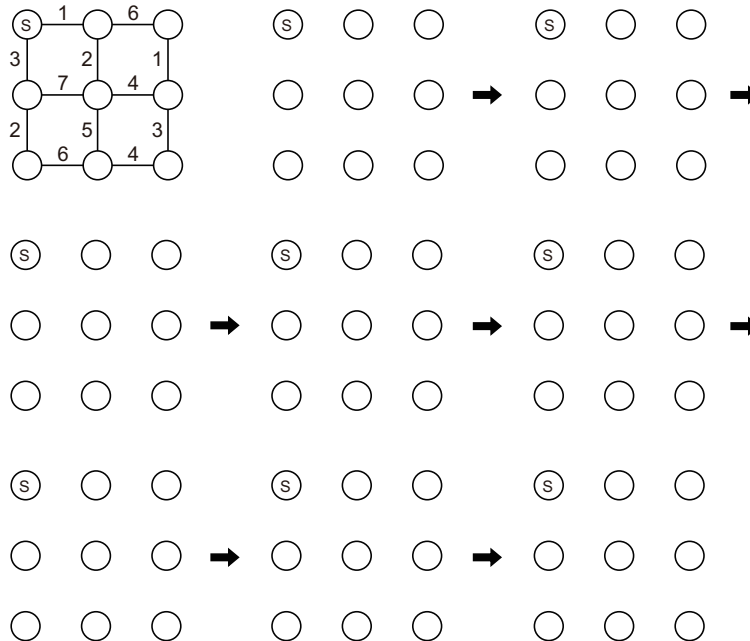
Algorithms and Data Structures

Algorithm Assignment: Lecture 12

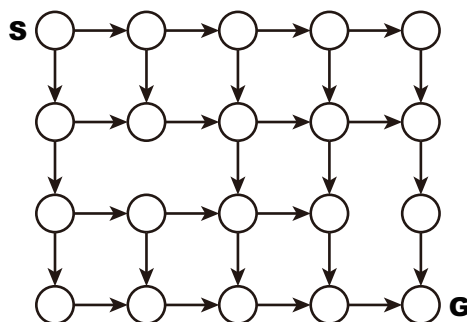
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1. Illustrate Prim's Algorithm to find the minimum-spanning-tree (MST) of the following graph. Show edges added to MST in order.



2. Find the number of ways to go to node 'G' from node 'S'.



3. Illustrate the shortest path from node 'S' to node 'G' for the following graph.

