Algorithms → Graphs → Dijkstra's algorithm

Dijkstra's algorithm → The shortest paths between nodes

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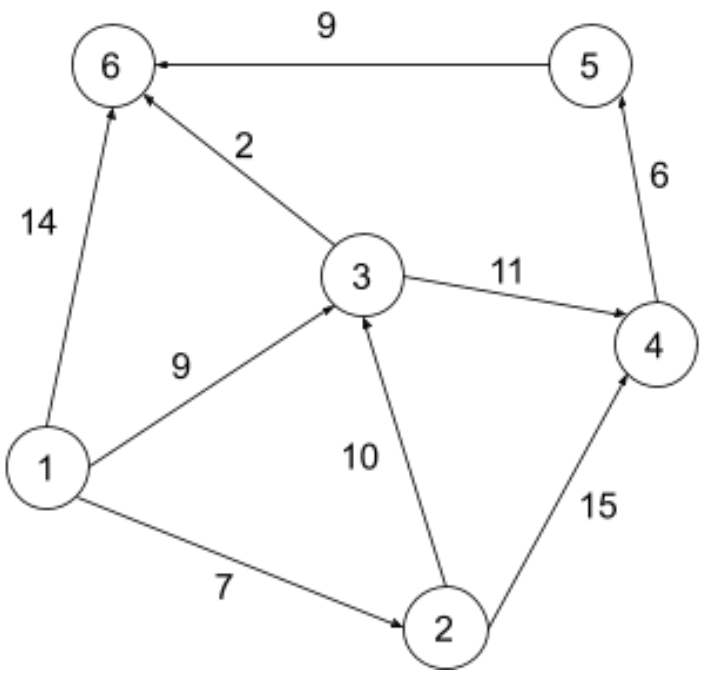
Easy 1 minute

Given below is a directed weighted graph:



Using Dijkstra's algorithm, find the shortest path from the node *1* to all other nodes of the graph. Choose one of the options below that corresponds to the distances of these paths.

Report a typo

Select one option from the list

- 1 to 2 is 7, 1 to 3 is 9, 1 to 4 is 20, 1 to 5 is 26, 1 to 6 is 11.
- 1 to 2 is 7, 1 to 3 is 9, 1 to 4 is 26, 1 to 5 is 23, 1 to 6 is 14.
- 1 to 2 is 7, 1 to 3 is 9, 1 to 4 is 20, 1 to 5 is 26, 1 to 6 is 35.
- 1 to 2 is 7, 1 to 3 is 9, 1 to 4 is 226, 1 to 5 is 20, 1 to 6 is 11.

✓ Correct.

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