

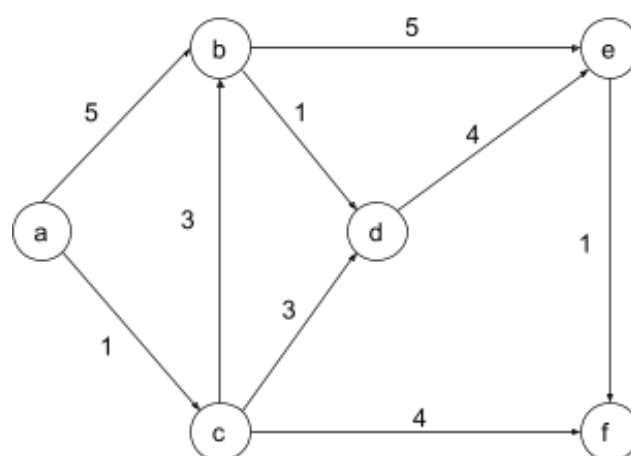
Algorithms → Graphs → [Dijkstra's algorithm](#)

Dijkstra's algorithm → The shortest path tree

Medium ⌚ 2 minutes ?

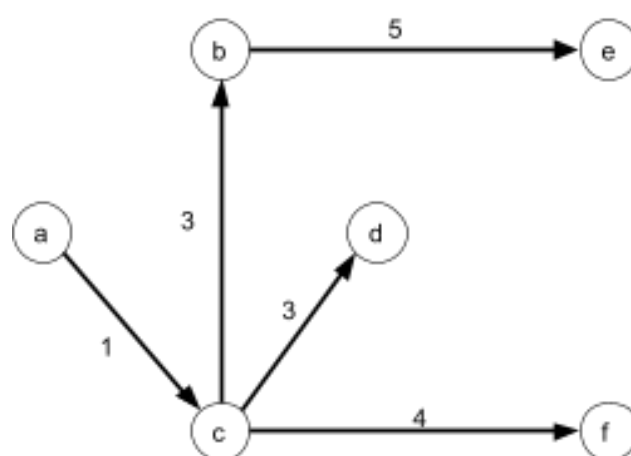
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Given below is a directed weighted graph:

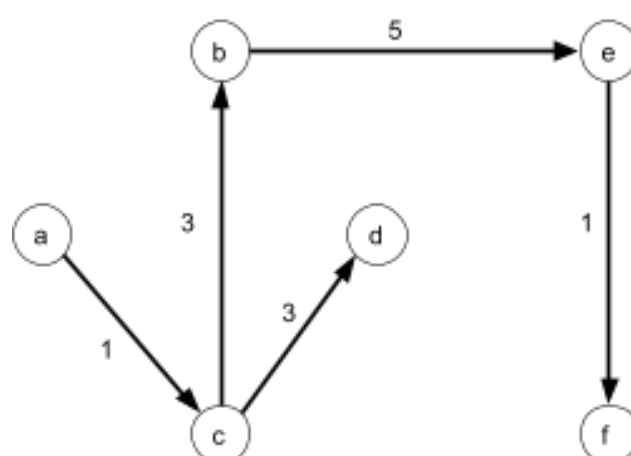


Using Dijkstra's algorithm, build the shortest path tree with a root in the node *a*. Which of the graphs below corresponds to this tree?

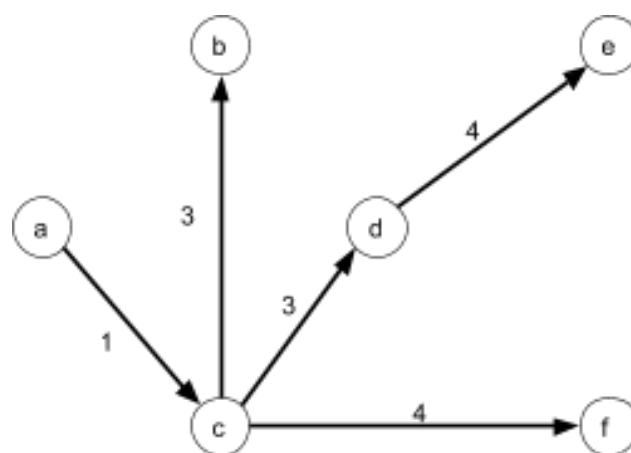
a:



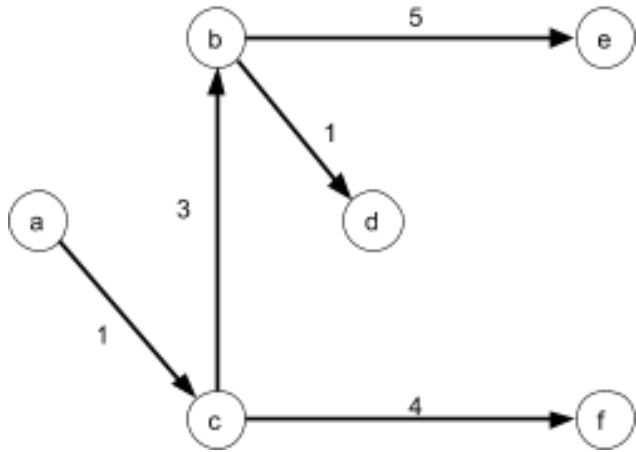
b:



c:



d:



Report a typo

⌵ Select one option from the list

- ☐ a
- ☐ b
- ☐ c
- ☐ d

✓ Correct.

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