Algorithms → Graphs → Dijkstra's algorithm

Dijkstra's algorithm → Running time

📊 Medium   🕐 1 minute   ⍰

For a graph G with n nodes and m edges, the array-based implementation of Dijkstra's algorithm works in … If a priority queue (implemented via a binary heap) is used, then the algorithm runs in …

📄 Report a typo

⌄ Select one option from the list

- ◯ $O(n^2 + m), O((n + m) \cdot \log n)$
- ◯ $O(m^2 + n), O((n + m) \cdot \log m)$
- ◯ $O(n^2 + m), O(n + m)$
- ◯ $O(n^2 + m), O(m^2 \cdot \log m)$

✓ Correct.

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