SINGLE-SOURCE SHORTEST PATHS FOR A DAG

1) Topological sort

2) For each $v_i$ in t-sorted order
   RELAX all outgoing edges
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Single-source shortest paths for a DAG

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SINGLE-SOURCE SHORTEST PATHS FOR A DAG

1) Topological sort \( O(V+E) \) ... or \( O(E) \) in component of source

2) For each \( v_i \) in t-sorted order
   RELAX all outgoing edges \( O(V+E) \)