

QotD19

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Questions: 2

1. If I can find a polynomial time solution for an NP-complete problem, I will have shown that
(1 point)
 - ✓ A. $P = NP$
 - B. P is a subset of NP
 - C. Neither A. nor B.

2. Consider an instance of the Traveling Salesman with vertices A, B, C, D, E and a candidate tour ABCDEA. Consider edges AB and CD in the tour. A 2-opt neighbor of the tour with the same four vertices would have edges
(1 point)
 - A. AD and BC
 - B. BA and DC
 - ✓ C. AC and BD