Qotd16

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1. Consider Eager Prim MST algorithm on a graph with v vertices and e edges. What are the run times for (respectively) an adjacency list and an adjacency matrix?
   (1 point)

   A. Theta(elge), Theta(v^3)

   ✓ B. Theta(elgv), Theta(v^2)

   C. Theta(v^2), Theta(v^2)

   D. Theta(elgv), Theta(v^2lgv)

2. Consider a sparse graph as we defined it previously. Which run-time is better?
   1) Theta(elgv)
   2) Theta(v^2)
   (1 point)

   ✓ A. 1) is better

   B. 2) is better

   C. They are equivalent