

## QotD14

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Questions: 2

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1. The run-time for BFS on a graph of  $v$  vertices and  $e$  edges is

(1 point)

- A.  $\Theta(v+e)$  for an adjacency list  
✓  $\Theta(v^2)$  for an adjacency matrix
- B.  $\Theta(v^2)$  for an adjacency list  
 $\Theta(v+e)$  for an adjacency matrix
- C.  $\Theta(v^2)$  for both adjacency list and adjacency matrix
- D.  $\Theta(v+e)$  for both adjacency list and adjacency matrix
- E. None of the above

2. A graph that is biconnected has [choose the best answer]

(1 point)

- A. one or more articulation points
- B. no articulation points

C. at least 2 distinct paths between all vertex pairs

D. at least 2 cycles

E. Both A. and C.

✓ F. Both B. and C.

G. All of A., C. and D.

H. All of B., C. and D.