|  |  |
| --- | --- |
| Find the shortest path from A to F. | Priority queue |

Order that we visit vertices: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dist table Prev table

dist[A]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[A]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[B]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[B]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[C]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[C]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[D]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[D]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[E]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[E]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[F]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[F]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Final shortest path distance: \_\_\_\_\_\_\_\_\_\_\_\_  
  
  
Final shortest path: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Find the shortest path from A to E. | Priority queue |

Order that we visit vertices: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dist table Prev table

dist[A]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[A]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[B]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[B]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[C]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[C]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[D]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[D]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dist[E]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prev[E]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Final shortest path distance: \_\_\_\_\_\_\_\_\_\_\_\_  
  
  
Final shortest path: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_