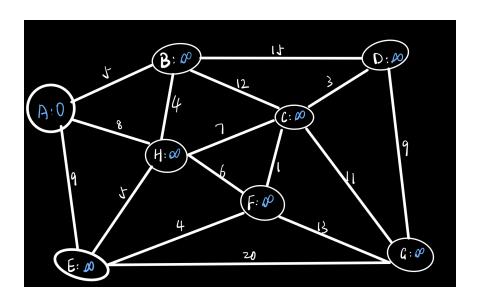
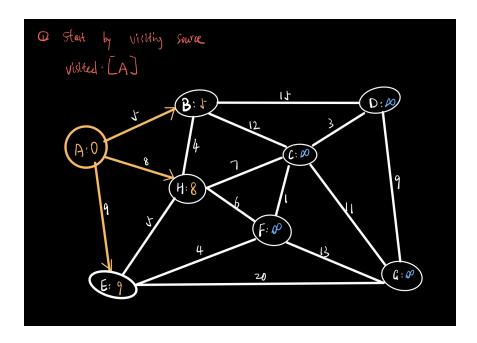
step-by-step

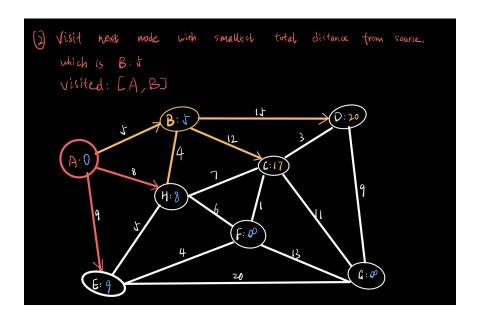
• initial:



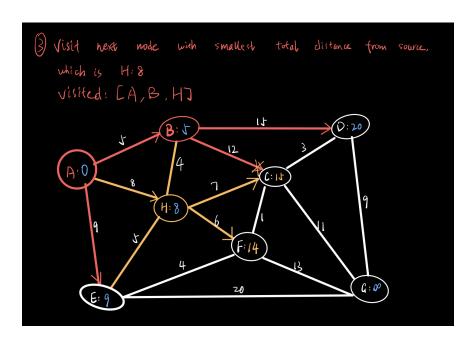
1. visit source A:



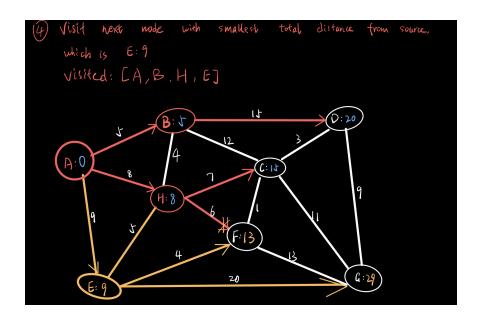
2. visit vertex **B**, which has the lowest total distance of **5** among all unvisited vertices:



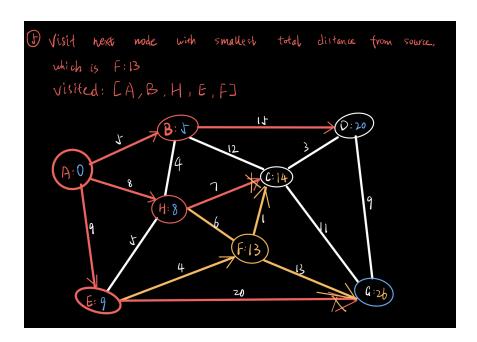
3. visit vertex \mathbf{H} , which has the lowest total distance of \mathbf{B} among all unvisited vertices:



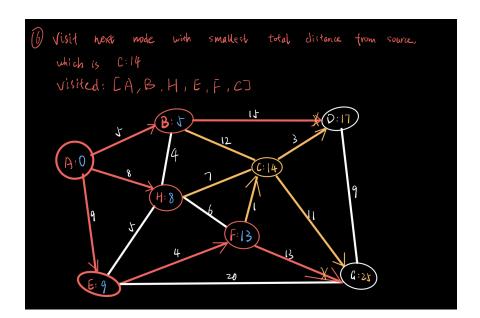
4. visit vertex [E], which has the lowest total distance of [9] among all unvisited vertices:



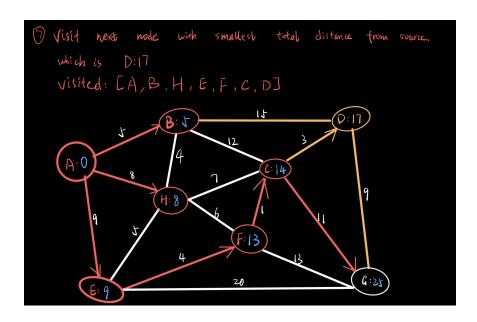
5. visit vertex F, which has the lowest total distance of 13 among all unvisited vertices:



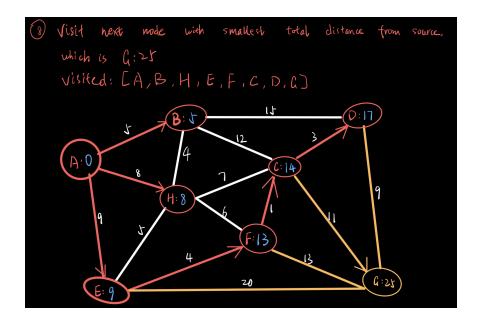
6. visit vertex c, which has the lowest total distance of 14 among all unvisited vertices:



7. visit vertex **D**, which has the lowest total distance of **17** among all unvisited vertices:



8. visit vertex **G**, which has the lowest total distance of **25** among all unvisited vertices:



• final & shortest path tree:

