

From this graph, we have a regative reight EF(-8). Let's find the difference of path from D to E.

o we choose Das starting vertice, assign o to D, and infinite path values to all other vertices.

D so, to adjacent vertices of D and update their Path length, make them as visited.

visited = {D, A,B,E,F} unvisited = {C,G}

Once a vertice mark visited, its value obesat charge.

(a) Go to unvisited vertices and update their path roof.

50, awarding to Dijustra's algorithm, path ength from

D to E is 15, but in actually, path length from D to E is -2. (D -6 F -8 E).

So, we can get Didustra's algorithm will get incorrect answer when there's one or more edges is negative.