If there are N places and m roads, we can use dijustra algo. In the dijustra algo, we first build a heap so that we'll put the value in heap(N). The amministy for this is O(N). Then we put the distance in the lift object. which is also o(N) as there are N places. The far charge the weight 1 oss to places. Then we also need to perform a while 100p. So, It'll have a wnow case of O(N 10gN). Similarly will get o comlogn).

z O (Mlogh)

gf & on use and mown algorithm, 9"11 vie bfs. as it has the time complexity of O'(NHm). The bfs will take the graph as input.