We know the time complexity at Dijkstna algorithm is 0 (v2) but when we we priority queve, the time complexity become 0 (V+E logV). In this algorithm, priopity queque and wed so the time complexity and be 0 (V+ E log V) where V refors to ventices and E nefers to edges. So, it there are N places and M noads, the time complexity is OM+NO(N+M logN). If the number of titans of each read is exactly 1, then the weight on number of titans is negligible and them can be solved using BFS which has the time complexity of 0 (M+N).

det BFS (visited, graph, source, destination)

Do visited [int (source)-1] 

Do queue 

append (source)

While queue not empty

Do m 

pop()

If m = destination break

For each neighbor at m in graph

If visited [int (neighbor) -1] =0

Do visited [int (neighbor) -1] 

Do queue 

append (neighbor).