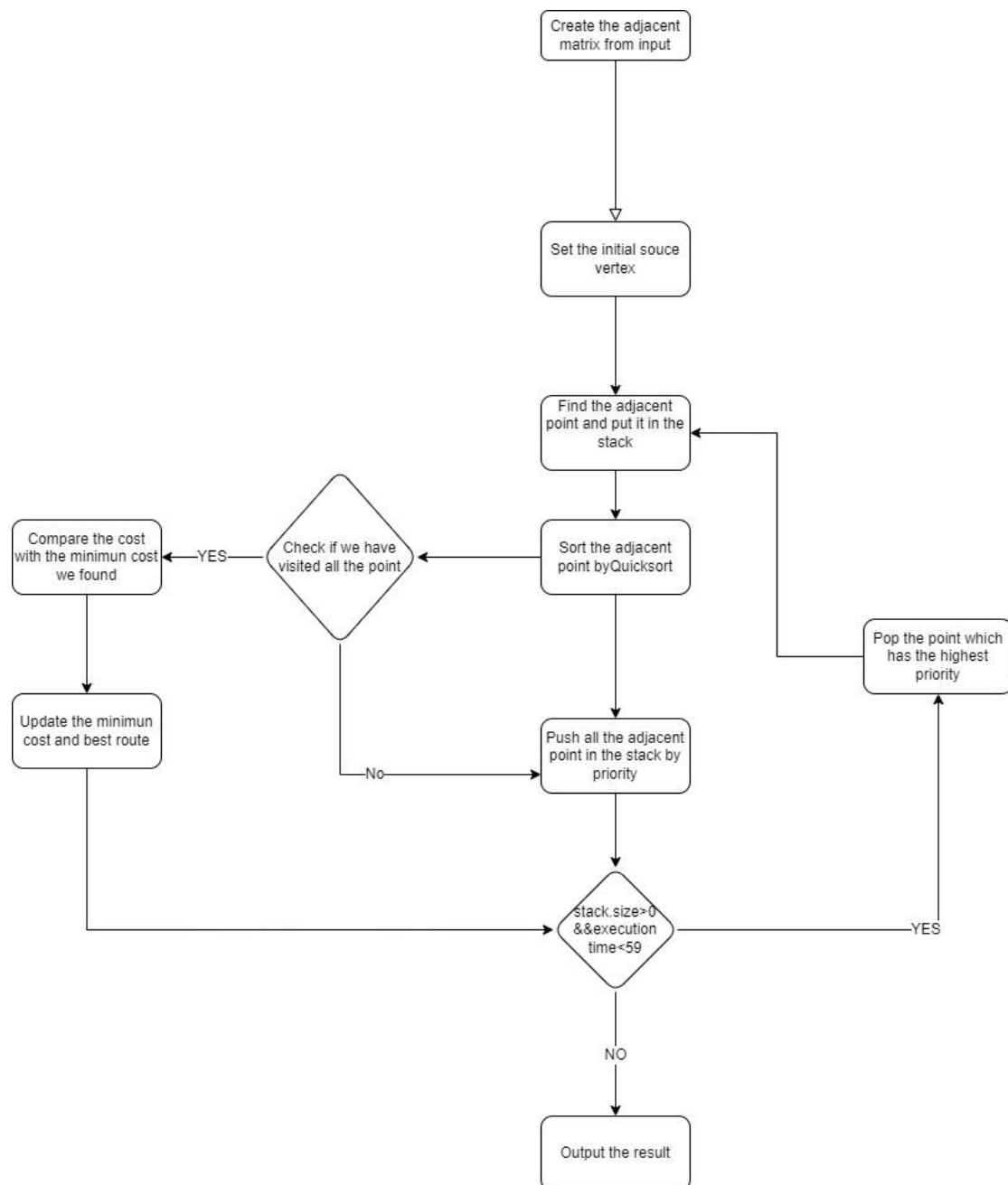


1.Flow diagram:



2.Time complexity:

This is a greedy solution for travelling salesman problem. First, we analysis the best case of time consumption of finding out the first greedy solution. Assuming that every vertex will connect to each other, we will find $n-k$ adjacent none visited point at k iteration. In the n times iteration, we will do quicksort which take $O(n \log n)$ time, thus the total time consumption is $O(n * n * \log n)$.

Second, we analysis the worst case. All vertex should be find out in every iteration, and it will take $O(n!)$ time.