

Prims Algo :

Time complexity

- 1) initializing key values
- 2) deleting minimum vertices
- 3) find adjacency
- 4) performing decreasing key operation on all possible adjacent places

$$TC = V + V \log V + V^2 + E \log V$$

$$= V^2 + E \log V$$

$$= O(V^2 + E \log V)$$

$$= O(E \log V)$$