

# Kruskal's algorithm

$$w(B, C) = 1$$

$$w(M, N) = 1$$

$$w(G, I) = 5$$

$$w(D, L) = 6$$

$$w(C, M) = 8$$

$$w(F, I) = 9$$

$$w(A, B) = 11$$

$$w(D, K) = 13$$

$$w(C, D) = 14$$

$$w(G, J) = 16$$

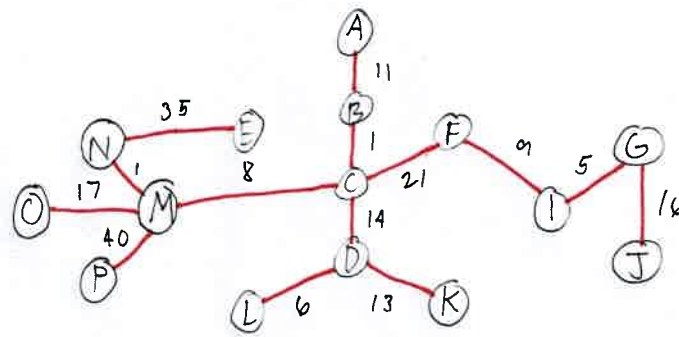
$$w(M, O) = 17$$

$$w(C, F) = 21$$

$$w(E, N) = 35$$

$$w(M, P) = 40$$

$$\underline{197}$$



Graph G<sub>29</sub>

Cost of the minimum spanning tree = 197

## Prims Algorithm

$$w(A, B) = 11$$

$$w(B, C) = 1$$

$$w(C, M) = 8$$

$$w(M, N) = 1$$

$$w(M, O) = 17$$

$$w(E, N) = 35$$

$$w(M, P) = 40$$

$$w(C, D) = 14$$

$$w(D, L) = 6$$

$$w(D, K) = 13$$

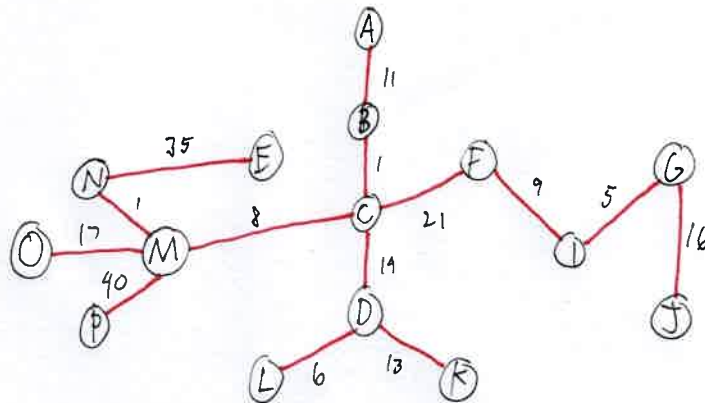
$$w(C, F) = 21$$

$$w(F, I) = 9$$

$$w(G, I) = 5$$

$$w(G, J) = 16$$

$$\underline{197}$$



Graph G<sub>29</sub>

Cost of the minimum spanning tree = 197