

```

INF = 9999999
N = 5 # Number of vertices in the graph

# Creating the graph using an adjacency matrix
G = [
    [0, 19, 5, 0, 0],
    [19, 0, 5, 9, 2],
    [5, 5, 0, 1, 6],
    [0, 9, 1, 0, 1],
    [0, 2, 6, 1, 0]
]

selected_node = [0, 0, 0, 0, 0] # To keep track of selected nodes
no_edge = 0
selected_node[0] = True # Start with the first node as the initial selected node

# Printing the edges and their weights
print("Edge : Weight\n")
while no_edge < N - 1:
    minimum = INF
    a = 0
    b = 0
    for m in range(N):
        if selected_node[m]:
            for n in range(N):
                if (not selected_node[n]) and G[m][n]:
                    if minimum > G[m][n]:
                        minimum = G[m][n]
                        a = m
                        b = n
    print(str(a) + "-" + str(b) + ": " + str(G[a][b]))
    selected_node[b] = True
    no_edge = no_edge + 1
#GANESH

```