



```
n = 4
edges = [
    (0, 1, 10),
    (0, 2, 6),
    (0, 3, 5),
    (1, 3, 15),
    (2, 3, 4)
]

mst = boruvka(n, edges)
print("Edges in the MST:")
for u, v, weight in mst:
    print(f"({u}, {v}) with weight {weight}")
```

**Output:**

**Time Complexity:**

- $T(n) = O(\log V)$