KRUSKAL

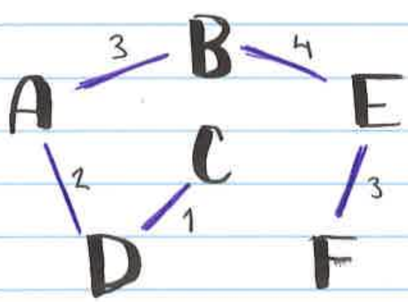
KRUSKAL(G): $\in O(E)$ EDGES

(BY WEIGHT, LEAST TO GREATEST)

```
KRUSKAL(G):
    RV = {}
    S = MFSET(V)
    l = SORTED(E, wt, incr)

    for (x,v) ∈ l:
        if FIND(x,S) ≠ FIND(v,S):
            RV = RV ∪ {(x,v)}
            MERGE(x,v,S)
        fi
    rof
    return RV
end
```

RESULTING MST:



- PUTS EDGES IN INCREASING ORDER
- PICKS EDGE IF THERE IS NO CYCLE