

```
def Kruskal_MST (G):
```

```
    A =  $\emptyset$ 
```

```
    for v in G.V:
```

```
        make_set(v)
```

```
    E = sort(G.E, G.w) // vzestupně podle w
```

```
    for (u,v) in E:
```

```
        if find_set(u)  $\neq$  find_set(v):
```

```
            A = A  $\cup$  {(u,v)}
```

```
            union(u,v)
```

```
    return A
```