

MAYBE-MST-A(G, w)

```
1  sort the edges into monotonically decreasing order of edge weights  $w$ 
2   $T = E$ 
3  for each edge  $e$ , taken in monotonically decreasing order by weight
4      if  $T - \{e\}$  is a connected graph
5           $T = T - \{e\}$ 
6  return  $T$ 
```

MAYBE-MST-B(G, w)

```
1   $T = \emptyset$ 
2  for each edge  $e$ , taken in arbitrary order
3      if  $T \cup \{e\}$  has no cycles
4           $T = T \cup \{e\}$ 
5  return  $T$ 
```

MAYBE-MST-C(G, w)

```
1   $T = \emptyset$ 
2  for each edge  $e$ , taken in arbitrary order
3       $T = T \cup \{e\}$ 
4      if  $T$  has a cycle  $c$ 
5          let  $e'$  be a maximum-weight edge on  $c$ 
6           $T = T - \{e'\}$ 
7  return  $T$ 
```