

```
In[1]:= StalinSort[list_] := Module[{max = list[[1]],  
    Reap[Scan[If[# ≥ max, Sow[#]; max = #] &, list]][2, 1]]  
    ]
```

```
In[2]:= list = {1, 2, 5, 3, 5, 7};
```

```
In[3]:= list2 = {1, 2, 5, 5, 3, 3, 7};
```

```
In[4]:= StalinSort[list]
```

```
Out[4]= {1, 2, 5, 5, 7}
```

```
In[5]:= StalinSort[list2]
```

```
Out[5]= {1, 2, 5, 5, 7}
```