
```
Sort the intervals by their start times, breaking ties arbitrarily
Let  $I_1, I_2, \dots, I_n$  denote the intervals in this order
For  $j = 1, 2, 3, \dots, n$ 
    For each interval  $I_i$  that precedes  $I_j$  in sorted order and overlaps it
        Exclude the label of  $I_i$  from consideration for  $I_j$ 
    Endfor
    If there is any label from  $\{1, 2, \dots, d\}$  that has not been excluded then
        Assign a nonexcluded label to  $I_j$ 
    Else
        Leave  $I_j$  unlabeled
    Endif
Endfor
```
