```
\label{eq:activity} \begin{split} & \text{SORT(A)} \\ & \text{ans=}\varnothing \\ & \text{Ans U } \{A_1\} \\ & \text{K =1} \\ & \text{For i = 2 to A.size} \\ & \text{If } A_k.\text{finish} \leq A_i.\text{start} \\ & \text{k= i} \\ & \text{Ans U } \{A_i\} \\ & \text{return Ans} \end{split}
```