

RECURSIVE-ACTIVITY-SELECTOR(s, f, k, n)

1 $m = k + 1$

2 **while** $m \leq n$ and $s[m] < f[k]$ *// find the first activity in S_k to finish*

3 $m = m + 1$

4 **if** $m \leq n$

5 **return** $\{a_m\} \cup \text{RECURSIVE-ACTIVITY-SELECTOR}(s, f, m, n)$

6 **else return** \emptyset