

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

$m = k + 1$

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

$m = m + 1$

if $m \leq n$

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

else return \emptyset