

Mar 13

Interval Scheduling Problem

Input: n intervals; i th interval: $[s(i), f(i))$

↑
start time

↑
finish time
 $f(i)-1$

Output: A valid schedule

with max # intervals in it.

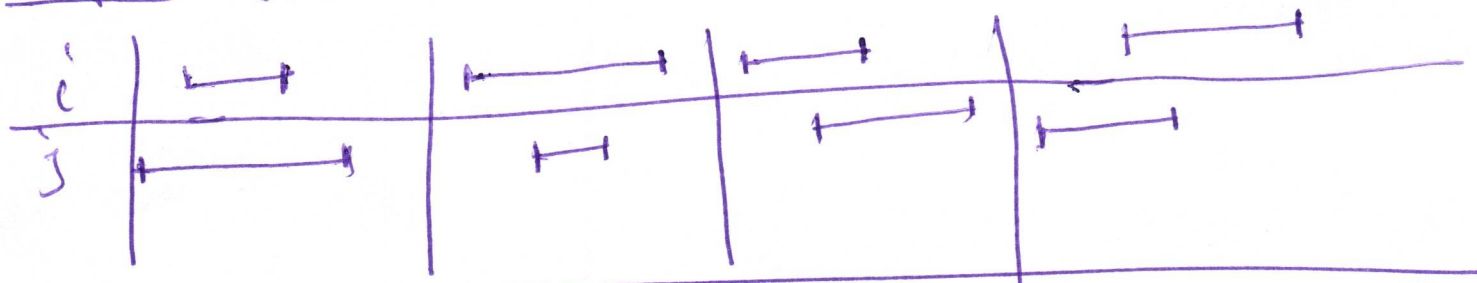
def: A schedule $S \subseteq [n] \stackrel{\text{def}}{=} \{1, \dots, n\}$

$[2, 5)$

$= \{2, 3, 4\}$

def: A valid schedule has no conflicts.

def: Intervals i & j conflict if they overlap.



no conflicts:

