

In-lecture Exercise (Lecture 2)

For the interval scheduling problem, given lectures (s, f):

(0, 3), (2, 4), (4, 8), (1, 6), (2, 5), (7, 8), (5, 7), (9, 10), (10, 11), find a maximum subset of mutually compatible jobs.

(0, 3), (2, 4), (2, 5), (1, 6), (5, 7), (4, 8), (7, 8), (9, 10), (10, 11),

Answer:

$A = \{(0, 3), (5, 7), (7, 8), (9, 10), (10, 11)\}$