CS4335 Design and Analysis of Algorithms

Tutorial 2

● Question 1:

Sorting based on finish time:

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

Selecting jobs:

(2, 3), (6, 7)

Maximum number of compatible jobs is 2.

● Question 2:

Sorting based on start time:

(0, 1), (0, 3), (1, 2), (2, 5), (3, 4), (4, 5), (4, 6)

Selecting jobs:

(0, 1), (1, 2), (2, 5)

(0, 3), (3, 4), (4, 5)

(4, 6)

Minimum number of classrooms is 3.