Fatmanur Yaman – 2019402204

HW1 – IE203 Spring 2022

My table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Jobs | 1 | 2 | 3 | 4 | 5 |
| Process Time | 2 | 2 | 1 | 3 | 4 |
| Due Time | 3 | 3 | 2 | 9 | 4 |

Sets:

J : Jobs (j = 1, 2, 3, 4, 5)

T = Time (t = 1, 2, 3, …)

Parameters:

Ptimej: processing time

Dtimej: due time

Decision Variables:

: 1 if job j starts at t

0 otherwise

: 1 if job j completed after due time

0 otherwise

Objective Function:

s. t.