

# Homework II

## Advanced Topics in Optimization

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### 1 Question 1

**system description:**  $1|chains|\sum w_j C_j$

jobs	1	2	3	4	5	6	7
$w_j$	0	18	12	8	8	17	16
$p_j$	3	6	6	5	4	8	9

$1 \rightarrow 2$

$3 \rightarrow 4 \rightarrow 5$

$6 \rightarrow 7$