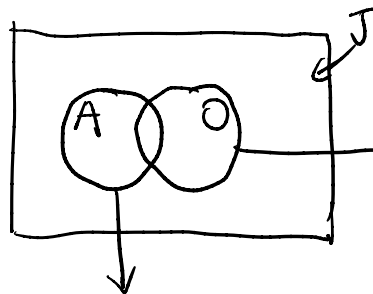


n jobs $\hat{p}_j, \check{p}_j \quad 0 \leq \check{p}_j \leq \hat{p}_j$

\hat{p}	3	5	10
\check{p}	2	2.5	0



J_A : set of jobs tested by ALG

$J_{\bar{A}}$

J_0 : set of jobs tested by opt

$$\leq \sum_{j \in J_A \cap J_0} \hat{p}_j$$

$$\leq OPT$$

(1) k jobs with biggest \hat{p}_j
 (2) $\hat{p}_j - \check{p}_j$
 (3)

$$ALG = \sum_{j \in J_A} \check{p}_j + \sum_{j \in J_{\bar{A}}} \hat{p}_j \leq 2 \cdot OPT = \sum_{j \in J_0} \check{p}_j + \sum_{j \in J_{\bar{0}}} \hat{p}_j$$

$$\sum_{j \in J_A \cap J_0} \check{p}_j + \sum_{j \in J_A \cap J_0} \hat{p}_j \leq \sum_{j \in J_0} \hat{p}_j \leq OPT$$