

635 1

590 111

15 x 3      3  $\rightarrow$  4      45

15 x 5      2  $\rightarrow$  3  $\rightarrow$  4      75

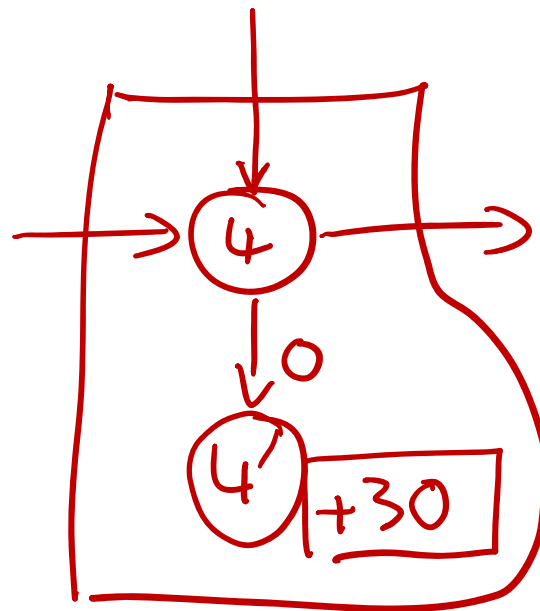
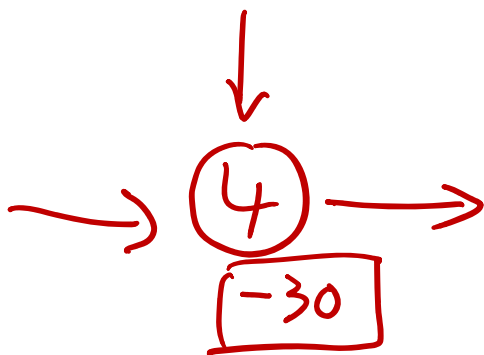
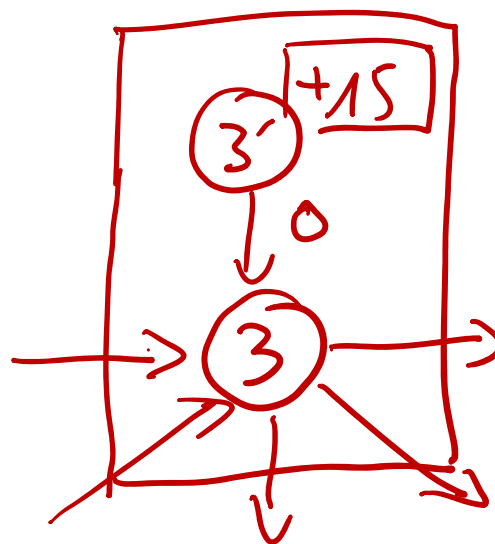
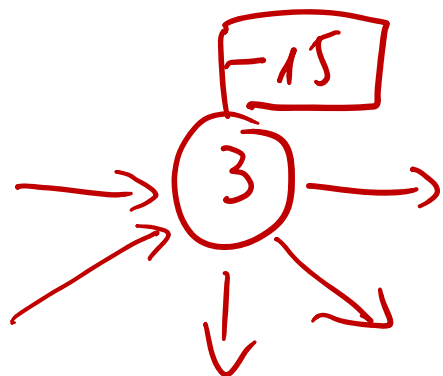
45 x 6      2  $\rightarrow$  3  $\rightarrow$  6      270

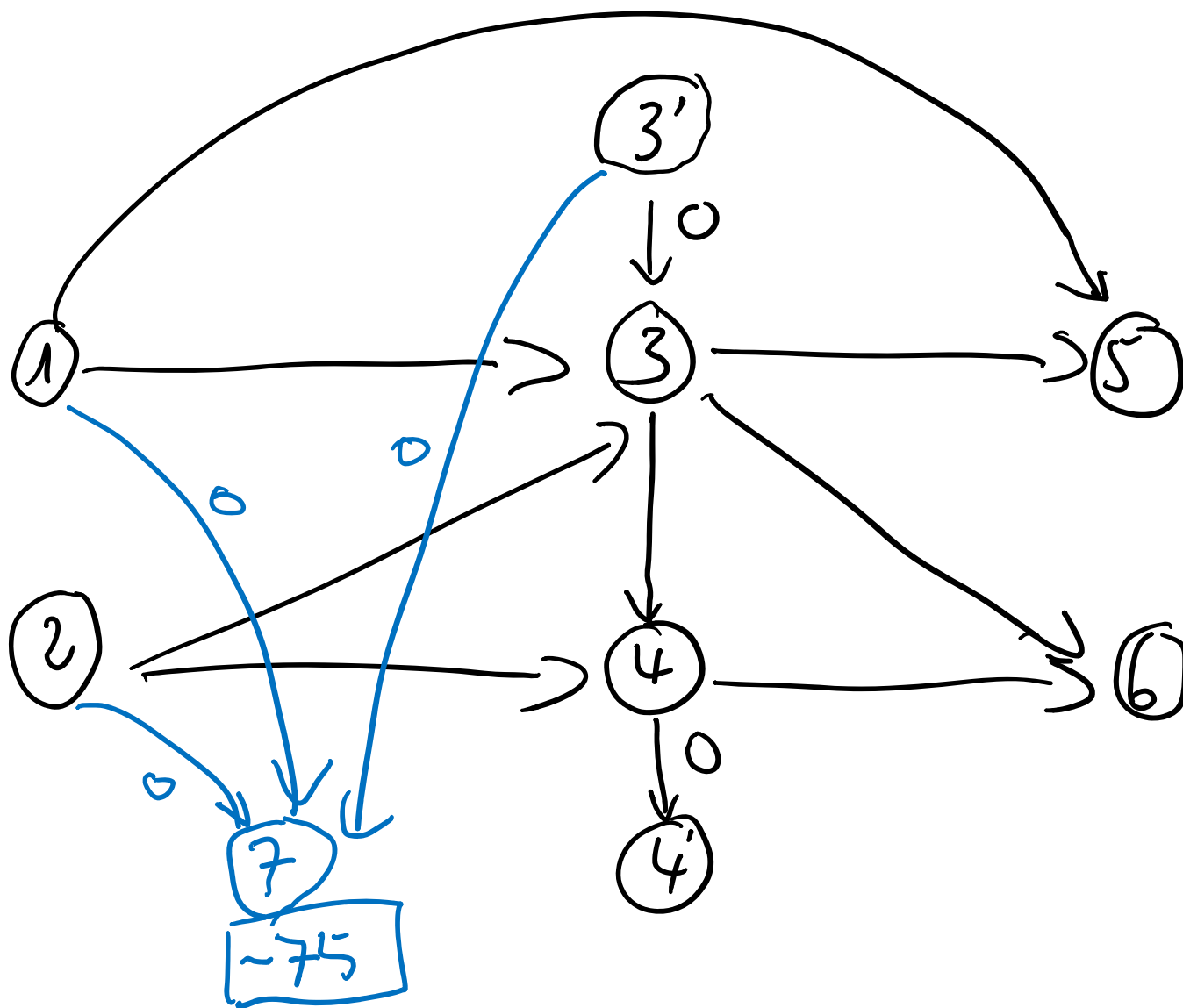
10 x 6      2  $\rightarrow$  3  $\rightarrow$  5      60

20 x 7      1  $\rightarrow$  3  $\rightarrow$  5      140  

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590





$$\text{Min } \sum_{i \in S} \sum_{j \in S} c_{ij} x_{ij}$$

$$S = \mathcal{I} \cup \mathcal{H} \cup \mathcal{C}$$

s.t

$$\sum_{j \in \Gamma_i^+} x_{ij} - \sum_{j \in \Gamma_i^-} x_{ji} = \begin{cases} P_i & i \in \mathcal{I} \\ 0 & i \in \mathcal{H} \\ -1_i & i \in \mathcal{C} \end{cases}$$