

# Lovász - Schrijver Procedures

$$K := \left\{ \begin{pmatrix} x_0 \\ x \end{pmatrix} \in \mathbb{R}^{n+1} : Ax \leq x_0 b, 0 \leq x \leq x_0 e \right\}$$

$K_I$  := the convex cone generated by all 0,1 vectors in  $K$ .

$$= \text{cone} \left\{ \begin{pmatrix} x_0 \\ x \end{pmatrix} \in \{0,1\}^{n+1} : \begin{pmatrix} x_0 \\ x \end{pmatrix} \in K \right\}.$$

