LARSON—OPER 731—CLASSROOM WORKSHEET 05

Weyl’s Theorem

Let $X = \{ \begin{bmatrix} 0 \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ 0 \end{bmatrix}, \begin{bmatrix} 0 \\ 1 \end{bmatrix} \}$. 

1. Draw $\text{conv}(X)$.

2. Find a system of linear inequalities whose solutions are exactly $\text{conv}(X)$. 