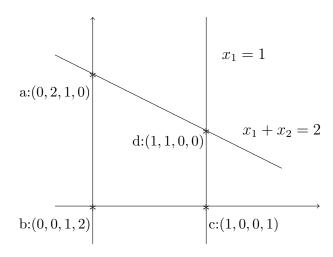
1 Standard Form

The standard form of a linear programming problem is as follows,

$$\min c^T x$$
, subject to $Ax = b, x \ge 0$,

where $A \in \mathbb{R}^{mxn}$, c and $x \in \mathbb{R}^{nx1}$ and $b \in \mathbb{R}^{mx1}$. Also, $m \leq n$ and $\operatorname{Rank}(A) = m$. Often, framing a linear programming problem in the standard form is an important task itself.

2 Revised Simplex Algorithm



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