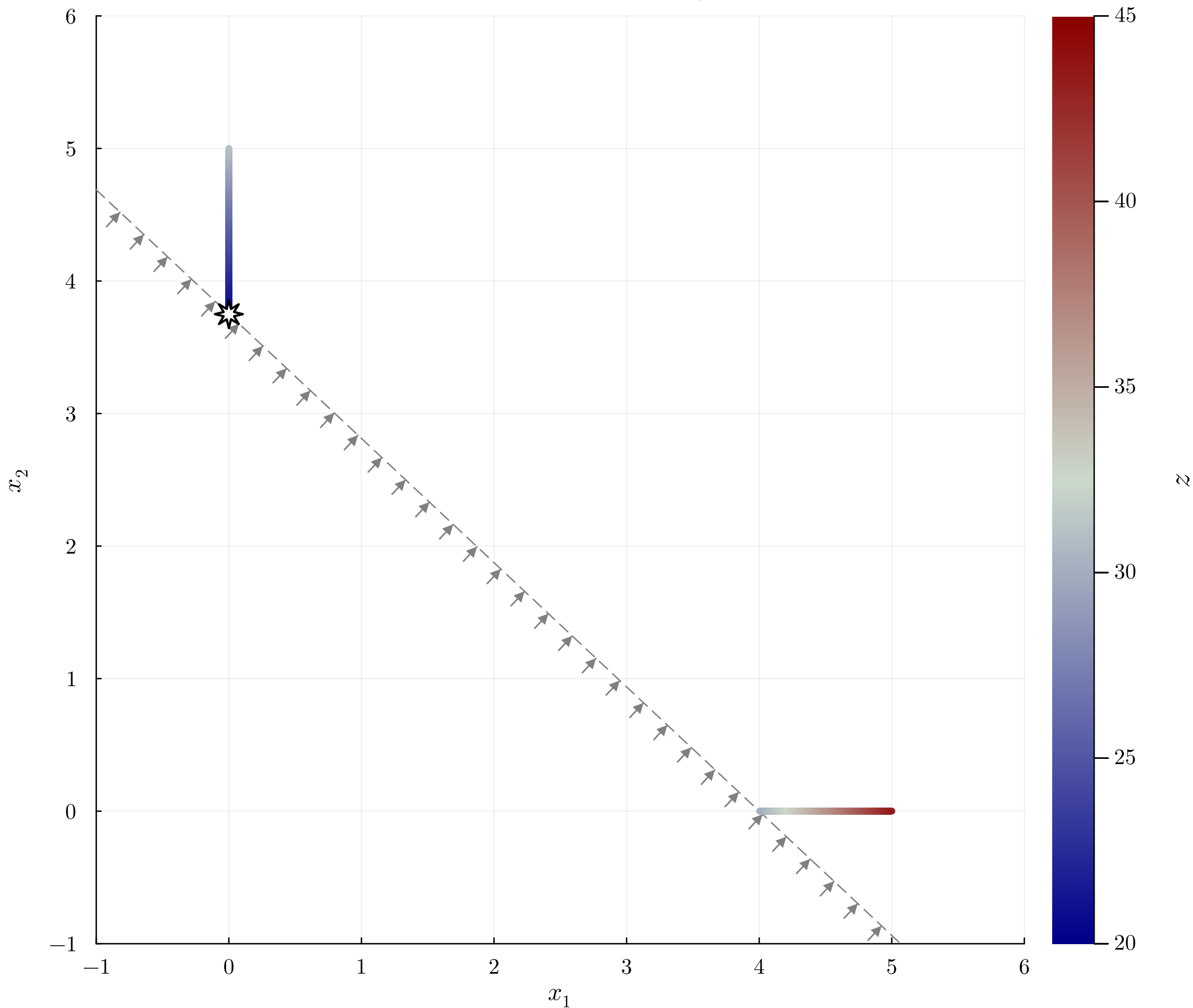


# Feasible Region $\diamond$ Optimal Solution

$$\min z = \mathbf{x}'\text{diag}(\mathbf{c}_x)\mathbf{x} + \mathbf{c}_y'\mathbf{y}$$



---  $\alpha'\mathbf{x} \geq d$      $\star$     Optimal