Dual Problem (Example)

Example

$$ec{y}=\left(egin{array}{c} y_1\ y_2\ y_3 \end{array}
ight)$$

• Dual Decision Variables
$$\vec{y}=\left(\begin{array}{c}y_1\\y_2\\y_3\end{array}\right)$$
 $\begin{array}{c}\max & -2x_1 & +3x_2 & +x_3\\x_1 & -x_2 & +x_3 & \leq & 10\\2x_1 & -3x_2 & -x_3 & \leq & 10\\+6x_2 & +2x_3 & \leq & 10\\x_1,x_2,x_3 & \geq & 0\end{array}$

• Dual Problem:

Example-2

Example-3