

x_1	x_2	x_3	s_1	s_2	z	RHS	
1	5	0	1	2	0	6	$x_1 = 6 \div 1$
0	2	1	2	3	0	15	$x_2 = 0$
0	4	0	1	-2	1	64	$x_3 =$

basic (bracketed over x_1)
non-basic (bracketed over x_2, x_3, s_1, s_2)

$$4x_1 + 2x_2 \leq 5$$

$$x_1 + 2x_2 \leq 4$$

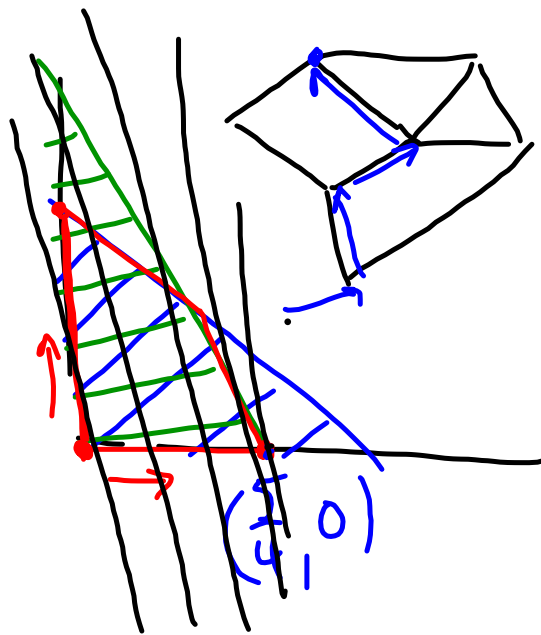
$$z = 7x_1 + x_2$$

Maximize z

$$z = 2$$

$$z = 7x_1 + x_2$$

$$x_2 = -7x_1 - 2$$



$$A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} \quad \text{transpose of } A \text{ is}$$

$$A^T = \begin{bmatrix} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{bmatrix}$$

