

• Cambio base

$n=3 \rightarrow x_3$  entrante

- Scelgo  $u$  (CRM)

$$\text{wim} \left\{ \frac{(B^{-1}b)_i}{(\pi_n)_i} \right\} = \min \left\{ \frac{2}{1}, \frac{0}{1} \right\} \quad u=1 \rightarrow x_1 \text{ uscente}$$

$$A_2 = \left( \underbrace{x_4 \ x_2 \ x_1}_{N_2} \ \underbrace{x_3 \ x_5}_{B_2} \right)$$

$$c^T_1 = \left( \underbrace{0 \ 2 \ -1}_{N_2} \ \underbrace{-3 \ 0}_{B_2} \right)$$

$$M = \begin{array}{c|ccc|c} & \pi_n & \pi_1 & \pi_2 & e_u & B^{-1}b \\ \hline k=1 \rightarrow & 1 & 1 & -2 & 1 & 2 \\ N= & -5 & -3 & 5 & 0 & 0 \end{array} = \left( \begin{array}{ccc|cc} 1 & 1 & -2 & 1 & 2 \\ 0 & 2 & -5 & 5 & 10 \end{array} \right)$$

$B_2^{-1}N_2 \quad B_2^{-1}b$

$$\bullet \gamma = c^T_{N_2} - c^T_{B_2} B_2^{-1} N_2 = (0 \ 2 \ -1) - (-3 \ 0) \begin{pmatrix} 1 & -2 & 1 \\ 2 & -5 & 5 \end{pmatrix} =$$

$$= (0 \ 2 \ -1) - (-3 \ 6 \ -3) = (3 \ -4 \ 2)$$

- ottimalità non soddisfatta
- illimitatezza soddisfatta