$T_r = \begin{pmatrix} 0 & 8 & 3 & -1 & 2 \\ 3 & 1 & 0 & 1 & 1 \end{pmatrix}$ $T_c = \begin{pmatrix} 1 & 0 & 3 & 1 & 1 \\ 0 & 1 & 1 & 3 & 1 \end{pmatrix}$

Drop label 0: "pivot column 0 from T_r"

minimum ratio test

row 1 $\frac{1}{1}$ row 2 $\frac{1}{3}$

pivot on row 2

$T_r = \begin{pmatrix} 0 & 8 & 3 & -1 & 2 \\ 3 & 1 & 0 & 1 & 1 \end{pmatrix}$

pivot ③ from T_c

ratio $\frac{1}{1}$, $\frac{1}{3}$

pivot on row 2

$T_c = \begin{pmatrix} 3 & -1 & 8 & 0 & 2 \\ 0 & 1 & 1 & 3 & 1 \end{pmatrix}$

pivot ① from T_r

ratio: $\frac{1}{4}$, $\frac{1}{1}$

pivot on row 1

$T_r = \begin{pmatrix} 0 & 8 & 3 & -1 & 2 \\ 24 & 0 & -3 & 9 & 6 \end{pmatrix}$

pivot ② from T_c

ratio $\frac{1}{4}$ $\frac{1}{1}$

pivot on row 1

$T_c = \begin{pmatrix} 3 & -1 & 8 & 0 & 2 \\ -3 & 9 & 0 & 24 & 6 \end{pmatrix}$

s_1 s_2 x_1 x_2

$0x_1 + 8x_2 = 2$ $\quad 8y_1 + 0y_2 = 2$

$24x_1 + 0x_2 = 6$ $\quad 0y_1 + 24y_2 = 6$

$(x_1, x_2) = (\frac{1}{4}, \frac{1}{4})$ $\quad (y_1, y_2) = (\frac{1}{4}, \frac{1}{4})$

Normalize:

$NE: \left\{ \left(\frac{1}{2}, \frac{1}{2}\right), \left(\frac{1}{2}, \frac{1}{2}\right) \right\}$