

**PIVOTAJE SOBRE  $y_{l,N_k}$**

- Dividir la fila  $l$  entre  $y_{l,N_k}$ .
- Para cada  $i \in \{1, \dots, m\} \setminus \{l\}$ , restarle a la fila  $i$  la nueva fila  $l$  multiplicada por  $y_{i,N_k}$ .
- Restarle a la fila 0 la nueva fila  $l$  multiplicada por  $z_{N_k} - c_{N_k}$ .

$x_1 \dots$	$x_{B_l}$	$\dots x_m$	$x_{m+1}$	$\dots x_{N_k} \dots$	$x_n$	
$0 \dots$	$-(z_{N_k} - c_{N_k}) \frac{1}{y_{l,N_k}} \dots$	$0$	$(z_{m+1} - c_{m+1}) - (z_{N_k} - c_{N_k}) \frac{y_{l,m+1}}{y_{l,N_k}} \dots$	$0 \dots$	$(z_n - c_n) - (z_{N_k} - c_{N_k}) \frac{y_{l,n}}{y_{l,N_k}}$	$\bar{z} - (z_{N_k} - c_{N_k}) \frac{\bar{x}_{B_l}}{y_{l,N_k}}$
$x_1$	$1 \dots$	$0$	$y_{1,m+1} - y_{1,N_k} \frac{y_{l,m+1}}{y_{l,N_k}} \dots$	$0 \dots$	$y_{1,n} - y_{1,N_k} \frac{y_{l,n}}{y_{l,N_k}}$	$\bar{x}_1 - y_{1,N_k} \frac{\bar{x}_{B_l}}{y_{l,N_k}}$
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
$x_{N_k}$	$0 \dots$	$0$	$\frac{y_{l,m+1}}{y_{l,N_k}} \dots$	$1 \dots$	$\frac{y_{l,n}}{y_{l,N_k}}$	$\frac{\bar{x}_{B_l}}{y_{l,N_k}}$
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
$x_m$	$0 \dots$	$1$	$y_{m,m+1} - y_{m,N_k} \frac{y_{l,m+1}}{y_{l,N_k}} \dots$	$0 \dots$	$y_{m,n} - y_{m,N_k} \frac{y_{l,n}}{y_{l,N_k}}$	$\bar{x}_m - y_{m,N_k} \frac{\bar{x}_{B_l}}{y_{l,N_k}}$