

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



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