

$$a_{ij}^{(k)} = \begin{cases} a_{ij}^{(k-1)} & \text{se } i = 1, 2, \dots, k-1 \text{ e } j = 1, 2, \dots, n+1 \\ 0 & \text{se } i = k, k+1, \dots, n \text{ e } j = 1, 2, \dots, k-1 \\ a_{ij}^{(k-1)} - \frac{a_{ik-1}^{(k-1)}}{a_{k-1,k-1}^{(k-1)}} a_{k-1,j}^{(k-1)} & \text{se } i = k, k+1, \dots, n \text{ e } j = k, k+1, \dots, n+1 \end{cases}$$