

$$A_{2,3} = \begin{vmatrix} 1 & 4 & 1 \\ 0 & 0 & -1 \\ 5 & 13 & 7 \end{vmatrix} = \begin{vmatrix} \boxed{1} & \boxed{4} & 1 \\ \cancel{0} & \cancel{0} & \textcircled{-1} \\ \boxed{5} & \boxed{13} & 7 \end{vmatrix} = -1 \cdot (-1)^{(i+j)} \det \begin{vmatrix} 1 & 4 \\ 5 & 13 \end{vmatrix}$$