

$$1 \left| \begin{array}{ccccc} 1 & 1 & 0 & 0 & \\ -1 & 1 & 1 & 0 & \\ 0 & -1 & 1 & 1 & \\ 0 & 0 & -1 & 1 & \end{array} \right| - 1 \left| \begin{array}{ccccc} 1 & 0 & 0 & 0 & \\ -1 & 1 & 1 & 0 & \\ 0 & -1 & 1 & 1 & \\ 0 & 0 & -1 & 1 & \end{array} \right| =$$

$$\left| \begin{array}{cccc} 1 & 1 & 0 & \\ -1 & 1 & 1 & \\ 0 & -1 & 1 & \end{array} \right| - \left| \begin{array}{ccc} -1 & 1 & 0 \\ 0 & 1 & 1 \\ 0 & -1 & 1 \end{array} \right| - \left| \begin{array}{ccc} 1 & 1 & 0 \\ -1 & 1 & 1 \\ 0 & -1 & 1 \end{array} \right| = -1(1+1) = -2$$