

If

$$A = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 4 & 1 & 0 & 0 \\ 5 & 1 & 1 & 0 \\ -3 & -4 & -1 & 1 \end{bmatrix},$$

$$\text{then } A^{-1} = \begin{bmatrix} \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} \\ \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} \\ \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} \\ \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} \end{bmatrix}.$$

If

$$A = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 4 & 1 & 0 & 0 \\ 5 & 1 & 1 & 0 \\ -3 & -4 & -1 & 1 \end{bmatrix},$$

$$\text{then } A^{-1} = \begin{bmatrix} \boxed{1} & \boxed{0} & \boxed{0} & \boxed{0} \\ \boxed{-4} & \boxed{1} & \boxed{0} & \boxed{0} \\ \boxed{-1} & \boxed{-1} & \boxed{1} & \boxed{0} \\ \boxed{-14} & \boxed{3} & \boxed{1} & \boxed{1} \end{bmatrix}.$$