

$$\begin{cases} ax + by + cz = d \\ ax + by + cz = d \\ ax + by + cz = d \end{cases}$$

$$\left[\begin{array}{c|c} & \end{array} \right] \xrightarrow{\text{swap rows}} \left[\begin{array}{c|c} 1 & \end{array} \right]$$

$$\begin{array}{l} R2 + (\quad) \cdot R1 \\ R3 + (\quad) \cdot R1 \end{array} \rightarrow \left[\begin{array}{c|c} 1 & \end{array} \right] \xrightarrow{R2 \cdot (\quad)} \left[\begin{array}{c|c} 1 & \\ 0 & 1 \\ 0 & \end{array} \right]$$

$$\begin{array}{l} R1 + (\quad) \cdot R2 \\ R3 + (\quad) \cdot R2 \end{array} \rightarrow \left[\begin{array}{cc|c} 1 & 0 & \\ 0 & 1 & \\ 0 & 0 & \end{array} \right] \xrightarrow{R3 \cdot (\quad)} \left[\begin{array}{cc|c} 1 & 0 & \\ 0 & 1 & \\ 0 & 0 & 1 \end{array} \right]$$

$$\begin{array}{l} R1 + (\quad) \cdot R3 \\ R2 + (\quad) \cdot R3 \end{array} \rightarrow \left[\begin{array}{ccc|c} 1 & 0 & 0 & \\ 0 & 1 & 0 & \\ 0 & 0 & 1 & \end{array} \right] \quad \boxed{\text{solution: } (\quad, \quad, \quad)}$$