

$$\textcircled{1} \quad \left[\begin{array}{c|cc} 3 & 1 & 2 & 4 \\ \hline 1,3 & 3 & 4 \end{array} \right] \rightarrow \left[\begin{array}{c|cc} 3 & 1 & 2 & 4 \\ \hline 1 & & 4 \end{array} \right] \rightarrow \left[\begin{array}{c|cc} 3 & 2 & 4 \\ \hline 1 & & 4 \end{array} \right] \rightarrow \left[\begin{array}{c|c} 3 & 2 \\ \hline 1 & 4 \end{array} \right]$$

$$\textcircled{2} \quad \left[\begin{array}{c|cc} 5 & 6 & 8 \\ \hline 7 & 7 & 8 \end{array} \right] \rightarrow \left[\begin{array}{c|c} 5 & 6 \\ \hline 7 & 8 \end{array} \right] \rightarrow \left[\begin{array}{c|c} 5 & 6 \\ \hline 8 & 7 \end{array} \right]$$

\textcircled{3} True

$$\textcircled{4} \quad \left[\begin{array}{c|c} 1 & 3 \\ \hline 4 & 1 & 2 \end{array} \right] \rightarrow \left[\begin{array}{c|cc} 1 & 3 & 4, [1, 2] \\ \hline 2 & 3 & 4, [1, 3] \end{array} \right]$$

