$$
\begin{array}{ccccc|l}
1 & -2 & 1 & 2 & 8 & \cdot(-2) \quad \cdot(-4) \quad \cdot(-3) \\
2 & 3 & -2 & 3 & 14 & + \\
4 & -1 & 3 & -1 & 7 & + \\
3 & 2 & -4 & 5 & 5 & +
\end{array}
$$

$$
\begin{array}{ccccc|l}
1 & -2 & 1 & 2 & 8 & \\
0 & 7 & -4 & -1 & -2 & \cdot(-1) \quad \cdot(-\frac{8}{7}) \\
0 & 7 & -1 & -9 & -25 & + \\
0 & 8 & -7 & -1 & -9 & +
\end{array}
$$

$$
\begin{array}{ccccc|l}
1 & -2 & 1 & 2 & 8 & \\
0 & 7 & -4 & -1 & -2 & \\
0 & 0 & 3 & -8 & -23 & \cdot \frac{17}{3} \\
0 & 0 & -17 & 1 & -47 & +
\end{array}
$$

$$
\begin{array}{ccccc}
1 & -2 & 1 & 2 & 8 \\
0 & 7 & -4 & -1 & -2 \\
0 & 0 & 3 & -8 & -23 \\
0 & 0 & 0 & -\frac{133}{3} & \frac{-532}{3}
\end{array}
$$