

$$\left[\begin{array}{ccc|c} 2.000000 & 1.000000 & -1.000000 & 8.000000 \\ -3.000000 & -1.000000 & 2.000000 & -11.000000 \\ -2.000000 & 1.000000 & 2.000000 & -3.000000 \end{array} \right]$$

$$\left[\begin{array}{ccc|c} 2.000000 & 1.000000 & -1.000000 & 8.000000 \\ 0.000000 & 0.500000 & 0.500000 & 1.000000 \\ 0.000000 & 2.000000 & 1.000000 & 5.000000 \end{array} \right]$$

$$\left[\begin{array}{ccc|c} 2.000000 & 1.000000 & -1.000000 & 8.000000 \\ 0.000000 & 0.500000 & 0.500000 & 1.000000 \\ 0.000000 & 0.000000 & -1.000000 & 1.000000 \end{array} \right]$$

$$\left[\begin{array}{ccc|c} 2.000000 & 1.000000 & 0.000000 & 7.000000 \\ 0.000000 & 1.000000 & 0.000000 & 3.000000 \\ 0.000000 & 0.000000 & 1.000000 & -1.000000 \end{array} \right]$$

$$\left[\begin{array}{ccc|c} 1.000000 & 0.000000 & 0.000000 & 2.000000 \\ 0.000000 & 1.000000 & 0.000000 & 3.000000 \\ 0.000000 & 0.000000 & 1.000000 & -1.000000 \end{array} \right]$$

$$\begin{aligned} x_1 &\approx 2.000000 \\ x_2 &\approx 3.000000 \\ x_3 &\approx -1.000000 \end{aligned}$$