

Solution to Practice 2d

**B5(i)(a)**

$$\left[ \begin{array}{ccc|c} 2 & 1 & 5 & -4 \\ 1 & 1 & 1 & -2 \end{array} \right]$$

**B5(i)(b)**

$$\left[ \begin{array}{ccc|c} 2 & 1 & -1 & 6 \\ 1 & -2 & -2 & 1 \\ -1 & 12 & 8 & 7 \end{array} \right]$$

**B5(i)(c)**

$$\left[ \begin{array}{ccc|c} 0 & 1 & 1 & 2 \\ 1 & 1 & 1 & 3 \\ 2 & 3 & 3 & 9 \end{array} \right]$$

**B5(i)(d)**

$$\left[ \begin{array}{ccc|c} 1 & 1 & 0 & -7 \\ 2 & 4 & 1 & -16 \\ 1 & 2 & 1 & 9 \end{array} \right]$$

**B5(i)(e)**

$$\left[ \begin{array}{cccc|c} 1 & 1 & 2 & 1 & 3 \\ 1 & 2 & 4 & 1 & 7 \\ 1 & 0 & 0 & 1 & -21 \end{array} \right]$$

**B5(i)(f)**

$$\left[ \begin{array}{cccc|c} 1 & 1 & 2 & 1 & 1 \\ 1 & 2 & 4 & 1 & -1 \\ 1 & 0 & 0 & 1 & 3 \end{array} \right]$$