

$$\therefore Y = \frac{\begin{vmatrix} -9 & 182 & 7 \\ 200 & 1082 & -1 \\ -900 & 2008 & 70 \end{vmatrix}}{|A|}$$

$$= \frac{-9(75740 + 2008) - 182(401600 + 973800) + 7(14000 - 900) + 7(401600 + 973800)}{787800}$$

$$= \frac{6543868}{787800} = 8.307$$

$$\therefore Z = \frac{\begin{vmatrix} -9 & 6 & 182 \\ 200 & 300 & 1082 \\ -900 & -600 & 2008 \end{vmatrix}}{|A|}$$

$$= \frac{-9(602400 + 649200) - 6(401600 + 973800) + 182(-120000 + 270000)}{787800}$$

$$= \frac{7783200}{787800} = 9.880$$

$$\therefore \begin{aligned} x &= -7.00037 \\ y &= 8.307 \\ z &= 9.880 \end{aligned} \quad \left. \vphantom{\begin{aligned} x &= -7.00037 \\ y &= 8.307 \\ z &= 9.880 \end{aligned}} \right\} \underline{\text{Ans}}$$