$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 1 \\ 2 & -6 & 6 & 2 \\ -3 & 5 & -1 & 3 \end{array}\right] \begin{matrix} \\ \cdot(-2) \\ \cdot 3 \end{matrix}$$

$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 1 \\ 0 & -2 & 4 & 0 \\ 0 & -1 & 2 & 6 \end{array}\right] \begin{matrix} \\ \\ \cdot(-1/2) \end{matrix}$$

$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 1 \\ 0 & -2 & 4 & 0 \\ 0 & 0 & 0 & 0 \end{array}\right] \leftarrow \text{Raden ger att } 0 \cdot z = 0$$

$\Rightarrow$ Finns ingen lösning