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$$A_2 = \begin{pmatrix} 3 & 21 & 4 \\ 5 & 15 & 1 \\ 2 & 10 & 3 \end{pmatrix}$$

$$\begin{aligned} |A_2| &= 3 \begin{pmatrix} 15 \times 3 - 10 \times 1 \\ 45 - 10 \end{pmatrix} - 21 \begin{pmatrix} 5 \times 3 - 2 \times 1 \\ 15 - 2 \end{pmatrix} + 4 \begin{pmatrix} 5 \times 10 - 2 \times 15 \\ 50 - 30 \end{pmatrix} \\ &= 3(35) - 21(13) + 4(20) \\ &\quad 105 - 273 + 80 \end{aligned}$$

$$|A_2| = -88$$

$$A_3 = \begin{pmatrix} 3 & 1 & 21 \\ 5 & 3 & 15 \\ 2 & 4 & 10 \end{pmatrix}$$

$$\begin{aligned} |A_3| &= 3 \begin{pmatrix} 3 \times 10 - 4 \times 15 \\ 30 - 60 \end{pmatrix} - 1 \begin{pmatrix} 5 \times 10 - 2 \times 15 \\ 50 - 30 \end{pmatrix} + 21 \begin{pmatrix} 5 \times 4 - 2 \times 3 \\ 20 - 6 \end{pmatrix} \\ &\quad 3(-30) - 1(20) + 21(14) \\ &\quad -90 - 20 + 280 \end{aligned}$$

$$|A_3| = 170$$

$$x = \frac{|A_1|}{|A|}$$

$$y = \frac{|A_2|}{|A|}$$

$$z = \frac{|A_3|}{|A|}$$

$$x = \frac{270}{58}$$

$$y = \frac{-88}{58}$$

$$z = \frac{170}{58}$$

$$x = 4.65$$

$$y = -1.51$$

$$z = 2.93$$