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$$\begin{array}{r} 20 - 1 \\ 0 - 18 + 18 \\ 36 \\ 0 \rightarrow 0 \end{array}$$

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$$\begin{aligned} x + y + z &= 5 \\ x + 2y + 2z &= 4 \\ x + y + 3z &= 5 \\ x + 2y + 3z &= 7 \end{aligned}$$

$$\begin{array}{cccc} 1 & 1 & 1 & S \\ 0 & 1 & 1/17 & -1/17 \\ 0 & 0 & 17 & 0 \\ 0 & 1 & 2 & 2 \end{array}$$

$$\begin{array}{cccc} 1 & 1 & 0 & 0 \\ 0 & 2 & 1 & 0 \\ 2 & 0 & 0 & 1 \\ 0 & 0 & 2 & 2 \end{array}$$

$$C_1 + C_2 = 1$$

$$18C_1 + C_3 = 0$$

$$14C_1 - fC_9 \geq 0$$

$$C_3 + C_4 = 0$$

$$\begin{aligned} x + y &= 5 \\ x + 5y &= 4 \\ \Rightarrow z &= 0 \\ x + y &= 5 \\ x + 18y &= 4 \\ x + 2y &= 7 \\ \boxed{y} &= 2 \\ 5 + \frac{1}{12} &= \frac{86}{12} \end{aligned}$$

$$\begin{array}{l}
 C_1 + C_2 = 18 \\
 18C_2 + C_3 = 0 \\
 18C_1 + C_4 = 0 \\
 18C_3 + 18C_4 = 0
 \end{array}
 \begin{array}{cccc|c}
 1 & 0 & 0 & 0 & 1 \\
 0 & 18 & 1 & 0 & 0 \\
 18 & 0 & 0 & 1 & 0 \\
 0 & 0 & 18 & 18 & 0
 \end{array}$$