$$C = \begin{bmatrix} \frac{1}{3} \\ \frac{1}{3} \end{bmatrix} \quad H = \begin{bmatrix} \frac{1}{3} \\ \frac{1}{3} \end{bmatrix} \quad O = \begin{bmatrix} \frac{3}{3} \\ \frac{1}{3} \end{bmatrix} \quad C \neq H_6 = \begin{bmatrix} \frac{7}{6} \\ \frac{1}{6} \end{bmatrix}$$

$$2x_1 + 0x_2 - 2x_3 + 0x_4 = 0$$

$$6x_1 + 0x_2 - 0x_3 - 2x_4 = 0$$

$$0 + 1 + 2x_2 - 2x_3 - x_4 = 0$$

$$0 + 1 + 2x_2 - 2x_3 - x_4 = 0$$

$$x_1 = \frac{1}{3}x_4, \quad x_2 = \frac{1}{6}x_4, \quad x_3 = \frac{1}{3}x_4$$

$$x_4 = 6,$$

$$x_1 = 2, \quad x_2 = 1, \quad x_3 = 4, \quad x_4 = 6$$

$$2c_2H_6 + 1o_2 = 4co_2 + 6H_2O$$

$$\begin{cases} x_{1}+24=500 \\ x_{1}+x_{2}=800 \\ x_{2}+x_{3}=1100 \\ x_{3}+x_{4}=800 \end{cases} \begin{cases} z_{1}+z_{4}=500 \\ z_{1}+z_{3}=1100 \\ z_{3}+z_{4}=600 \end{cases} \begin{cases} x_{1}=500-x_{4} \\ x_{2}=300+x_{4} \\ x_{3}+x_{4}=600 \end{cases} \begin{cases} x_{1}=500-x_{4} \\ x_{3}=800-x_{4} \end{cases} \end{cases}$$

$$3 \times_{1-x_{2}+x_{3}=0}$$

$$-x_{1}+x_{2}-x_{3}=0$$

$$4x_{1}+2x_{2}=1/4$$

$$2x_{2}+5x_{3}=1/6$$

$$-1 \quad 1 \quad 10$$

$$-1 \quad 1 \quad 0$$

$$4 \quad 2 \quad 5 \quad 1/6$$

$$0 \quad 2 \quad 5 \quad 1/6$$

$$-1 \quad 1 \quad 1$$

74=2, 72=4, 73=2.