$$\begin{cases} x_{1} + x_{2} - x_{3} - 2x_{1} = 0 \\ 2x_{1} + x_{2} - x_{3} + x_{4} = -2 \\ x_{1} + x_{2} - 3x_{3} + x_{4} = -4 \end{cases}$$

$$\begin{cases} 1 - 1 - 2 & 0 & 1 - 3 & 1 & 1 - 1 - 2 & 0 & 1 \\ 2 - 1 - 1 & 1 & -2 & 2 & 1 - 1 & 1 & -2 \\ 1 - 3 & 1 & 4 & 0 & 0 & 2 - 3 & -4 \end{cases}$$

$$\begin{cases} 1 - 1 - 2 & 0 & 1 - 2 & 1 & 0 & 3 & 1 - 2 \\ 0 & 1 - 1 - 5 & 2 & 0 & 1 - 5 - 5 & 2 \\ 0 & 1 - 1 - 5 & 2 & 0 & 1 - 5 - 5 & 2 \\ 0 & 0 & 2 - 3 - 4 & 0 & 0 & 2 - 3 - 4 \end{cases}$$

$$\begin{cases} 0 - 2 - 3 - 4 & 0 & 0 & 2 - 3 - 4 \\ 0 - 2 - 3 - 4 & 0 & 2 - 3 - 4 \end{cases}$$

$$\begin{cases} 0 - 2 - 3 - 4 & 0 & 0 & 2 - 3 - 4 \\ 0 - 2 - 3 - 4 & 0 & 2 - 3 - 4 \end{cases}$$

$$\begin{cases} 0 - 2 - 3 - 4 & 0 & 0 & 2 - 3 - 4 \end{cases}$$

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$$\begin{cases} 0 - 2 - 3 - 4 & 0 & 0 - 2 - 3 - 4 \end{cases}$$

$$\begin{cases} 0 - 2 - 3 - 4 & 0$$

 $X_{2} = \frac{-19}{3} / X_{3} = -5 ; X_{4} = \frac{2}{3}$

$$\sum_{x_1 + x_2 - x_3 = 0}^{x_3 \times y_1 - x_2 + x_3 = 4} x_1 + x_2 - x_3 = 0$$

$$B = \begin{cases} 2x_1 - 4x_2 + 6x_3 = 1 \\ x_1 - 2x_2 + 3x_3 = -2 \\ 3x_1 - 6x_2 + 9x_3 = 5 \end{cases}$$

vank B frank B - cucrema reconnection

$$C = \begin{cases} x_1 + 2x_2 + 5 \times 3 = 4 \\ 3x_1 + x_2 - 8x_3 = -2 \end{cases}$$

$$C = \begin{pmatrix} 1 & 2 & 5 & | & 4 \\ 3 & 1 & -8 & | & -3 \end{pmatrix} \begin{pmatrix} 0 & 5 & 23 & | & 15 \\ 1 & 2 & 5 & | & 4 \end{pmatrix}$$

Rank C = Rank C=2 < (h=3)

Cucrema Cobmetha, reonpequena pemesum f(x) = xE(fin) = (esited) +1(X) = 1 lionos office E(fr)= 0 hpu xco 1 hpu x>0 pyhuyun Monoronna $-e^{*/.(e^{*}+e^{-*})}-(e^{*}-e^{*/.(e^{*}+e^{-*})})$ (ex + e-x)2 (ex+e-x).(ex+e-x)-(ex-e-x)(ex-e-x) (ex+ex)2 $=1-\frac{(e^{x}-e^{-x})^{2}}{(e^{x}-e^{-x})^{2}}$ 2x + 2exe-x + e-2x = 2x = x = -2x $(e^{x} + e^{-x})^{2}$ Cum x > 5, To e-x > 0, ex > 0 1 N X > - 6, To e-x > 6, ex > 0 l'im (f) = == 1 => E(1/1)

4) Re[U
$$f(x) = \frac{2}{x} \times 20$$
 EAN = [0;+0]

 $f(x) = \begin{cases} 0, x < 0 \\ 1, x > 0 \end{cases}$

The following that

 $f(x) = \begin{cases} 1 + e^{x} \\ 1 + e^{x} \end{cases} = \frac{e^{x}}{1 + e^{x}}$

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 $f(x) = \begin{cases} 1 + e^{x} \\ 1 + e^{x} \end{cases} = \begin{cases} 1 + e^{x} \\ 1 + e^{x} \end{cases}$

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 $f(x) = \begin{cases} 1 + e^{x} \\ 1 + e^{x} \end{cases} = \begin{cases} 1 + e^{x} \\ 1 + e^{x} \end{cases}$

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 $f(x) = \begin{cases} 1 + e^{x} \\ 1 + e^{x} \end{cases} = \begin{cases} 1$