Bomonence D/ 1 my pary N4. Demuso ancomy proformemen necovan Tayera. $\begin{cases} x_1 + x_2 - x_3 - dx_4 = 0 \\ 2x_1 + x_2 - x_3 + x_4 = -2 \\ x_1 + x_2 - 3x_3 + x_4 = 4 \end{cases}$ $\begin{vmatrix} 1 & -1 & -2 & 0 \\ 2 & 1 & -1 & 1 & -2 \\ 1 & 1 & -3 & 1 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & -1 & 1 & 5 & -2 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & -2 & 3 & 4 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1 & -2 & 0 \\ 0 & 0 & 0 & 0 & 3 & -2 \end{vmatrix} = \begin{vmatrix} 1 & 1 & -1$ => $x_{4} = -\frac{2}{3}$, $\sqrt{200}$ $-2 \times 3 + 3 \times 4 = 4 = 2 - 2 \times 3 - \frac{2}{3}$ 3 = 4 $= 2 \times 3 = 6 = 2 \times 3 = -3$ $-x_2 + x_3 + 5x_4 = -2 = > x_2 = x_3 + 5x_4 + 2 = >$ $2 \times 2^{2} - 3 + 5 \cdot \left(-\frac{2}{3}\right) + 2 = \times 2^{2} - 1 - \frac{10}{3} = -\frac{13}{3}$ $x_1 + x_2 - x_3 - 2 \times y = 0 = > x_1 - \frac{13}{1} + 3 + 2 \cdot \frac{2}{3} = 0 = >$ $2) \times 12 \frac{4}{3} - \frac{4}{3} = 0 \Rightarrow \times 1 = 0$ $\begin{cases} 0 - \frac{13}{13} + 5 + 2 \cdot \frac{2}{3} = 0 \\ 2 \cdot 0 - \frac{13}{13} + 3 - \frac{2}{13} = -2 \\ 0 - \frac{13}{13} + 9 - \frac{2}{13} = 4 \end{cases}$ Redepus: $= \begin{cases} -\frac{1}{3} - \frac{2}{3} = -2 \\ \frac{1}{3} - \frac{2}{3} = 4 \end{cases}$ = $\begin{cases} 0 & 20 \\ -2 & = -2 \\ 4 & = 4 \end{cases}$ × 20 × 2 = 13/3 Uzama. Order. X3 = - 5 xy 2-2 permenin Sydes une 66 conserve unnemous y palment. $\begin{cases} 3x_1 - x_2 + x_3 = 4 \\ 2x_1 - 5x_2 - 3x_3 = -17 \\ x_1 + x_2 - x_3 = 0 \end{cases}$ $\begin{vmatrix} 3 & -1 & 1 & 4 \\ 2 & -5 & -3 & -17 \end{vmatrix} = \begin{vmatrix} 3 & -1 & 1 & 4 \\ 0 & -13 & -11 & -59 \\ 0 & 4 & -4 & -4 \end{vmatrix} = \begin{vmatrix} 3 & -1 & 1 & 4 \\ 0 & 0 & -13 & -11 & -59 \\ 0 & 0 & -96 & -288 \end{vmatrix} = \begin{vmatrix} 3 & -1 & 1 & 4 \\ 0 & 0 & -96 & -288 \end{vmatrix} = \begin{vmatrix} 3 & -1 & 1 & 4 \\ 0 & 0 & -96 & -288 \end{vmatrix}$ => $\times_3 = \frac{288}{96}$ -13x2-11x3=-59 => -13x2=-59+11x3=>-13x2=-59+13 -13x2=-26 => x2=2

3x1-x2+X3=4 => 3x1-2+3=4 => 1 x = 3 x =1 Down, X, 21 X2 2 X3 = 3 $\begin{cases} 2x_1 - 4x_2 + 6x_3 = 1 \\ x_1 - 2x_2 + 3x_3 = -2 \\ 2x_1 - 4x_2 + 6x_3 = -4 \\ 2x_1 - 6x_2 + 9x_3 = 5 \end{cases}$ report sacre I-20 a Icao gradonemus estimanas y sonobpenenne paloner pognom medent, 200 Devale ancieny necolemection. $\begin{cases} x_1 + 2x_2 + 5x_3 = 4 \\ 3x_1 + x_2 - 8x_3 = -2 \end{cases} \begin{vmatrix} 1 & 2 & 5 & 4 \\ 3 & 1 - 8 - 2 \end{vmatrix} = \begin{vmatrix} 0 & 5 & 23 & 14 \\ 3 & 1 - 8 - 2 \end{vmatrix} = \begin{vmatrix} 0 & 5 & 23 & 14 \\ 3 & 1 - 8 - 2 \end{vmatrix} = \begin{vmatrix} 0 & 5 & 23 & 14 \\ 3 & 1 - 8 - 2 \end{vmatrix}$ $\begin{cases} 5 \times_2 + 21 \times_3 = 14 \\ 5 \times_1 + \times_2 - 8 \times_3 = -2 \end{cases} \times_2 = \frac{14 - 21 \times_3}{5}$ mych x3=C ronda x22 14-23 c $3\times, \pm \frac{14-23c}{5} - 8c = -2 = 73\times, = 8c - 2 - \frac{14-23}{5}$ 3x, 2 40c-10-14+23c 2 63c-24 Mandem raconse jemenne: nyero c = 0 rozda x, 2 - 24 x, 2 25, x, 2 20 nyologyer { -24 + 2. 14 + 5. 0 = 4 } -24 + 28.3 + 0 = 4 } 3. (-24) + 5 - 8.0 = -2 (-24 + 14 = -2) $= \begin{cases} \frac{60}{15} & 24 \\ -\frac{10}{5} & 2-2 \end{cases} = \begin{cases} 424 \\ -2 & -2 \end{cases}$ Ucaura. Osuse permenne aucauson: X, 2 63c-24 , X2 2 14-23c | X32C vacore permenue aucounts: x, 2 - 24, x22 5, x120

(1) Mustepulo na colonie mores a bonsemito, creamono pernemini Sydec mucho meterna uneimois prebuenti, Jaannane facunpennon work fuzzer: $5 \times 2 + .0 \times_{2} + \times_{4} = 2 = 5 \times_{2} + \frac{1}{2} = 2 = 5 \times_{2} = \frac{3}{10}$ $\times_{1} + 3 \cdot \frac{3}{10} - 2 \cdot \frac{4}{3} + 4 \cdot \frac{1}{2} = 3 \Rightarrow \times_{1} = 3 - 2 + \frac{8}{3} - \frac{9}{10} = \frac{83}{30}$ cueseria colonierne y r.v. rank Azrank à = n auceura unes edinersemble peniena. (polognin: x, + 3x2 - 2x2 + 4x4 = 3 $\frac{83}{20} + 3 \cdot \frac{3}{10} - 2\frac{4}{3} + 4 \cdot \frac{1}{2} = 1 = 2 \cdot \frac{83}{30} + \frac{21}{30} - \frac{80}{30} + \frac{60}{30} = 3$ => 30 + 60 23 2> 1+223 Ucama Oder: x, 2 30 , x2 2 10, x, 2 1 , xy 22. (4) Dana enecerre umeimos ypalonenum, jadathad parmyennon nafruser A z (12566) b 1 2 5 6 6 2 8 9 c) naparregianera, b a c, you upopper ancoura elane de veroburer mois: Vernerue: Orgademen paus varjuison