CLASA A-IX-A Retolisati acuatio x+[x]=15-1x1 xell unde [x]
repressión porteo entreoso si (x) porteo fractionario a luix
Doina Avica si Macaa Mario Storca, Arad x = [x] + [x] = 15 - [x] = 2 - [x](4) =[x] (3) => x=0 este solutie (4) [e](5) [e](5) (6) = 1 (x) e[0;7) nZ(7) (8) = 1 (8) (12) = 1 (8) 13(9) => X=1++ = X= \(\bar{4}\)
\(\bar{1}(1) = \bar{1}(9=3x=3+2=x=24(16) =4=1x3=4(17) +(18) 7=5 (21) 7=5 (21) 7=5 (22) 7=5 (23) 7=5 (23) (2) (24) => $x = 6 + \frac{1}{4}$ (22) (23) (24) => $x = 6 + \frac{1}{4}$ (23) (23) (24) => $x = 6 + \frac{1}{4}$ (25) (23) (24) => $x = 6 + \frac{1}{4}$ (25)

CLASA A-XI-A Fiermatrices X=(46). Determinati x, yell estlel most X2=X.X+y.I. Doina Stoica & Mirca Morris Stoica, Arad Restoliana X=(+ 6) (1) $(1) \Rightarrow X^{2} = X \cdot X = \begin{pmatrix} 4 & 6 \\ 8 & 10 \end{pmatrix} \cdot \begin{pmatrix} 4 & 6 \\ 8 & 10 \end{pmatrix} = \begin{pmatrix} 64 & 84 \\ 112 & 148 \end{pmatrix} \Longrightarrow$ => X2=(12 148) (2) $(1) \Rightarrow x(x+y) = x(x+y) + y(y) + y(y) = (4x+y) = 0$ $(1) \Rightarrow x(x+y) = x(x+y) + y(y) = (4x+y) = 0$ $=) x_{1}X+y_{1}J_{2}=(4x+y_{1}) 6x (3)$ $X=x_{1}X+y_{1}J_{2}(4) 6x (6x+y_{1}) =(64-84) (5)$ $(2)(3)(4) =)(4x+y_{1}-6x_{1}) (5)$ $(2)(3)(4) =)(4x+y_{1}-6x_{1}) (5)$ $(3) =) \begin{cases} 8x = 112/18 \\ 6x = 84/16 \\ 6x = 112/18 \end{cases} = 148$ (4) + 114 + 14 = 64 $(5) =) \begin{cases} 4x + 14 = 64 \\ 6x = 148 \end{cases} = (6)$ (F) 8=H/4H=8 (F)

CLASA A-XI-A Rotohosti ecustia X= (3931 4187), unde X e M2 (Z). Doina Storca si Mircoa Mario Storca, Arad

Restatione

ETEMORE
$$X = \begin{pmatrix} 3931 & 4187 \\ 2133 & 2272 \end{pmatrix}$$

$$X = \begin{pmatrix} 2 & 4 \\ 2 & 4 \end{pmatrix} \implies X = X \cdot X \iff X = \begin{pmatrix} 2 & 4 \\ 2 & 4 \end{pmatrix}, \begin{pmatrix} 2 & 4 \\ 2 & 4 \end{pmatrix}$$

$$\Rightarrow X^2 = \begin{pmatrix} x^2 + 4^2 & xy + yt \\ 2x^2 + 4^2 & y^2 + t^2 \end{pmatrix} (2)$$

$$\Rightarrow X^2 = \begin{pmatrix} x^2 + 4^2 & xy + yt \\ 2x^2 + 4^2 & y^2 + t^2 \end{pmatrix} (2)$$

$$(1)(2) \Rightarrow \begin{cases} x_{2}+x_{2} & y_{2}+t_{1} \\ x_{2}+y_{2}=3931 \\ x_{3}+y_{2}=y_{1}+y_{3} \\ x_{2}+y_{2}=2133 \\ y_{2}+y_{2}=2133 \end{cases} \Rightarrow \begin{cases} x_{1}+x_{2}+y_{2}-y_{2}-t_{1}^{2}=3931-2272 \\ y_{1}+y_{2}+y_{3}=y_{1}+y_{3} \\ y_{2}+y_{3}=2133 \\ y_{2}+y_{3}=2133 \end{cases}$$

(5)
$$(x-t)\cdot(x+t) = 1659.$$
 (3) $(x+t) = 4817.$ (3) $(x+t) = 2133.$

1659=21.79 . 4187=53.79 2133=27.79(4)

(3)(4) =>
$$T$$
) $x-t=-21$
 $y=-53$
 $y=-27$
 $y=-27$
 $y=-29$. (5)