= {x = 76 | s | x) =

= { multipl di 5 }

$$\begin{cases} X \equiv C \pmod{4} \\ X \equiv 2 \pmod{11} \end{cases}$$

1)
$$X = 6 + kq$$
, $k \in TL$

2)
$$6+9k=2 \pmod{11}$$
 $-b$ $9k=-4 \pmod{11}$

2)
$$6 + 9k = 2 \pmod{11}$$
 $-b$ $9k = -b \pmod{11}$
3) $H(0)(9,11)=2$ $A1 = 9.1 + 2$ $A = 9 + (-4)2 = 9 + (-4)(11 - 9) = 9 + (-4)(11 - 9) = 10$

(M2 (TR),+) i un grupp abeliano

$$A + B \in M_2(\mathbb{R}), A + B = B + A, A = (ab) B = (ef)$$

$$A+B=\begin{pmatrix} a & b \\ c & d \end{pmatrix} + \begin{pmatrix} e & f \\ g & h \end{pmatrix} = \begin{pmatrix} a+e & b+f \\ c+g & d+h \end{pmatrix} = \begin{pmatrix} e+a, & g+b \\ g+c, & g+d \end{pmatrix} =$$

$$(A+B)+C=(a_{i_{1}}+b_{i_{1}})_{i_{1}}+(c_{i_{1}})_{i_{1}}=(a_{i_{1}}+b_{i_{1}})+c_{i_{1}})_{i_{1}}=$$

3
$$\forall A \in M_2(\mathbb{R})$$
, $A = (ab)$, La matria (00) \bar{e} elements nurho

$$\begin{pmatrix} a & b \\ c & c \end{pmatrix} + \begin{pmatrix} o & o \\ o & o \end{pmatrix} = \begin{pmatrix} a & b \\ c & c \end{pmatrix}$$

(a)
$$\forall A \in H_2(\mathbb{R})$$
, $A = (a b)$, be matrix $-A = (-a - b) = (-c - d)$

if see smmeth co-

$$\begin{cases} X-3y+2=0\\ X+2y=-1\\ X-3l=2 \end{cases}$$

(1) CRAMER

$$\det(A) = (-1)^{3+2} \cdot 1 \cdot \det(-3 \ 1) + (-1)^{3+2} \cdot 0 \cdot \det(1 \ 1) + (-1)^{3+3} (-3) \det(1 \ -3) = (-3) \cdot (2+3) = -2 + (-15) = -17$$

$$X = \frac{\det \begin{pmatrix} 0 & -3 & 1 \\ -1 & 2 & 0 \\ 2 & 0 & 3 \end{pmatrix}}{-17} = -\frac{5}{17}$$

$$y = \frac{\det \begin{pmatrix} 1 & 0 & 1 \\ 1 & -1 & 0 \\ 1 & 2 & 3 \end{pmatrix}}{-17} = -\frac{6}{17}$$

$$2 = \begin{cases} 1 & -3 & 0 \\ 1 & 2 & -1 \\ 1 & 0 & 2 \end{cases} = -13$$