banerau Adela-Galriela, grupa 142

- D Numele de jamilie este DANESCU => a = 7 Branumale sunt ADELA (5) xi GABRICLA(8)=> l=8 m = min (a, b) = 7 M = max(a, b) = 8
- Ø T∈ S8 ord T=7 => T= cicler de ordin 7 prim Putern aloge 7 el din 8 In Cot moduri. Cu 7 el. date, 7 6! moderni de a forma cicluri cu cele 7 el 3 => In stotal cf.6! = 7.6! = 7! permetari de ordin 7 miloto

(3)
$$G = (1, 2, ..., 4)$$
, $(8, ..., 16)$, $(17, ..., 24)$
 $G^2 = G$
 $E(G^2) = (-1)^6$, $(-1)^9$, $(-1)^8 = (-1)^{23} = -1$
 $E(G^2) = -1$
 $E(G^2) = -1$
 $E(G^2) = -1$

$$(E(3))^{2} = 1$$

$$= \int_{-\infty}^{\infty} (-\infty)^{2} = 1$$

$$= \int_{-\infty}^{\infty} (-\infty)^{2} = 1$$

Danescu Adela - Cabriela, grupa 142

(a)
$$8^{\frac{1}{2}} = 8^{\frac{1}{2}} = 8 \pmod{31}$$

 $8^{\frac{1}{2}} = 8 \pmod{31}$
 $8^{\frac{1}{2}} = 8 \pmod{31}$

$$5) \times = 7 \pmod{13}$$

$$\times = 7 \pmod{14}$$

$$\times = 8 \pmod{15}$$

$$\times = 8 \pmod{15}$$

$$\times = 8 \pmod{15}$$

X = 7 (mod 182) (E) X = 182a+7

 $182a+7=8 \mod (15)$ =) $2a = 1 \pmod{15} = 16 \pmod{15} (2) a = 8 \pmod{15} (6)$

=> X = 1730.4 + 1463 = 6920 + 1463 = 8383 Cel

mai mare m. natural de 4 cifre au propriétable

Carried 1 grupa 142 8 (x,y) & 2/2 × 1/8 od (x,y)=12(=)(odx,ody]=12 In Zzt, ordx=2t, tell od x (12=) & = 30,1,21 ord x = 1(=) == x =0 ord x = 2(=) x = 26 ord x = 4 (E) x = 25 sou x = 3.25 ord x = 1=1 ord y=12(=)y=26,37,a, undoa631,5,7,119 Heramels » (= ord x = 2 =) ord y = 12 =) y = 26.37. a, sunde as 31,5,7,119 =) 4 elements ordx = 4 =) ordy = 33,6,124 i) ord y=3=) y = 3= 1 = 2 elemente => y \(\cdot \) 2 \(\cdot \) 3 \(\cdot \) 2 \(\cdo \cdot \) 2 \(\cdo \cdot \) 2 \(\cdo \cdot \) 2 \(\cdot \) 2 \(\cdot \) 2 \(\cdot \) 2 \(u) od y=6=) y∈ 3 27. 57. 57. 5 => Lolomoute ui) ord y = 12=) y elemente, analog stramale 31 = 4+5+5+4 + 4 labor me <=

Danescu Adela-Cabriela, grupa 142 (A) × by (e) ×2-1×+1-1= y2-7 y+8-8 (e) ×2-1×=y2-7y (=) x2-y2-7(x-y)=0(=)(x-y)(x+y-7)=0}(=)y=* sau y = 7 -* a - 3 HER IX - a a = 3 x erl x = a rau x = 7 - a (=) = 30,71 li = 3 x ER (x = b sou x = 7-by (=)8=3-1,84 Un sistem de representanti est [try, +00), undet y = 7. =) sistem complot si independent de rep: [= 1+00) $R/p = 3\hat{a} | a \in (\frac{1}{2}, \infty)$ f(x) = 2x(x-7)-7Jacker of (x-x) = 2(x-x)(x-x-7)-7= = 2(7-x)(-x)-1 = 2x(x-7)-7 = f(x)=)=> functia J a luine definita x 8 y => rom y = 7 -x 1 Refleximitate: xpx(Y)xeR, dimoxxxx 1 mil staist Simotrie: Dará × py =) y = x seu y = x x = y seu 3 x= 7-y = y px Trangitivitate: Daca x py si y p2 E) *= y sau *+4=7 of y=2 on y+2=7 => x=2 ron x+2=7=1 x P2 @ Din @ 3, 9 => p & relative de echivalenta

Danascu Adela - Calriala, grupa 142 (1) x7-8x+1picX+d au acessis clarse de adrivalents

 $\frac{\sqrt{2}}{(10^{-2})} = \frac{\sqrt{2}}{(8+5t-2)}$

x2 = 41=) x6 = 413 (=) x7 = 413x

=> $x^{3} - 8x + 1 = (u_{1}^{3} - 8)x + 1 = cx + d$ (e) $\frac{41^3-8}{c} = \frac{1}{d}$ (e) $d = \frac{c}{41^3-8} = \frac{68913}{68913}$ (c)

@ p: Z+ > Z8 morfim φ (m) = φ(1)+...φ(1) = m φ(1) + m ∈ Z

4(m) = 4(m+7) (=) m (1) = (m+7) 4(1)

(E) 7 4(1)=0 (E) 4(1)=0

(2,8)=1

=> &(m)=0 e unicul morfesm de la ZI la ZB p mu e nici inj, nici surj, nici liz

Banesau Adela - Caeriea, grupa (42)

(8) g(*) = 3 7* + 8(1-8), * < 7 $28 \times 2 - 28 \cdot 15 \times 449 \cdot 23 \times 8 \cdot 57, 7 \le \times \le 9$ $8 \times - 56 + 7, 4 > 8$ $f(*) = 1 + 26, \times 27$ $28 \times 2 - 420 \times 41583, \times E[78]$ $8 \times - 49, \times 8$