SEMINAR 11_132

à EU(Zn) (=> Fbez à. s=1 (=>) (Fbez mlab-1) (=> (Fb, sez cel-12m) (F) (Fl, sez al-noz1) (=) (am)=1 dea':

U(Zn)={aeZn: (a,n)=1}.

Jew, U(Z18) = \(\hat{a} \in \frac{1}{4}; \((a,18) \in 1 \) = \(\hat{1}, \hat{1}, \hat{1}, \hat{1} \).

 $\hat{a} \in \mathcal{A}(Z_n) \longrightarrow (\exists b \in Z \quad (\hat{b} \neq \hat{o} \land \hat{a} \hat{b} = \hat{o})) \longrightarrow (n,a) \neq 1$ $E \Longrightarrow (\exists b \in Z \quad (n \nmid b \land n \land n \mid ab)) \longrightarrow (n,a) \neq 1$ $E \Longrightarrow (\hat{a},n)$

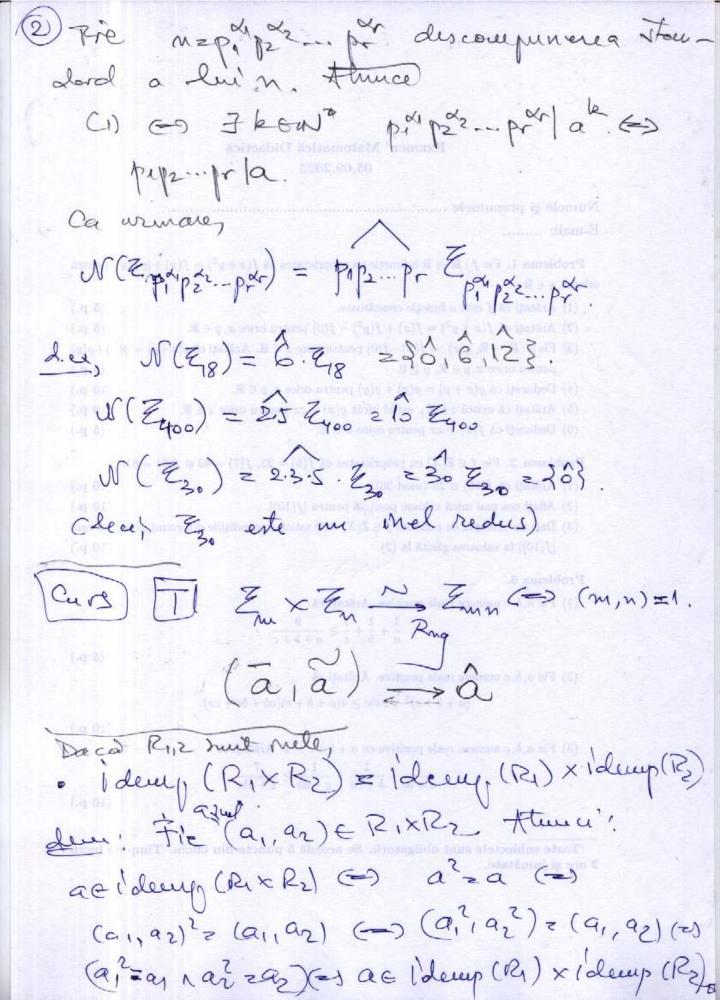
Deal,

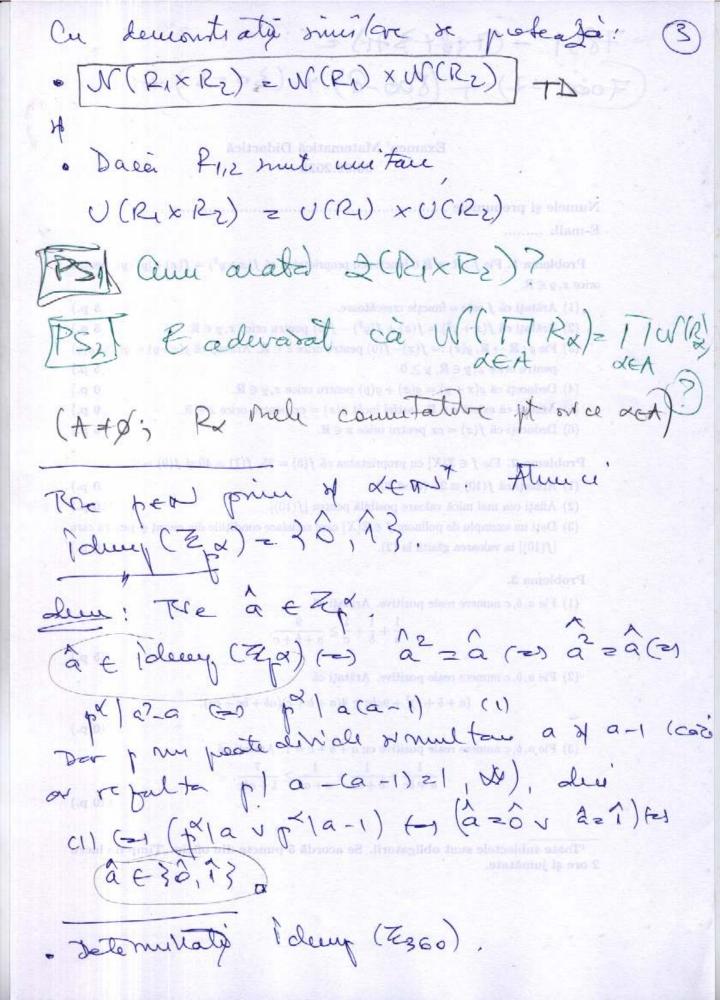
2 (En) = Lacem: (a,n) + 13.

d.ex, &(Z18)= 36,2,3,4,6,8,9,10,12,14,15,163

âc W(En) es = keant à cò (-s

FRENT Make (1) (0,000)





~ Z3 × Z2 × Z (a, ā, a) (500,00.an & , ~ ~) (o, o) olania in minima in olania in (3) Fle g (- (a) = f(s-f(0) pentral arx O + A D & O moderating (3) Antital (ca A suffice of the land land of the (6) Deduced of f(z) = dz peaks onto $A \in \mathbb{R}$ (iii. bem) (iii. = (01)\ 65 (pa)61A (1) (2) Adolf of the price value positive price (10)1 (3) Barl un exel plu de poline u f e ZiX eut e 1) An aplical: · I deen (12, 602, 602) = identy (R1) xident (R2) xident(R3) · loleur (Zpx) z 30,73 pt once read priming nitrucat statutul de solempotent al muni elemente le conterra prin pomorforme de mele, elementele volempetente du Z360 mit cele de pe coloana dei stinga a tabalulai de mai (TD) Detomuliable I deup (Z720)