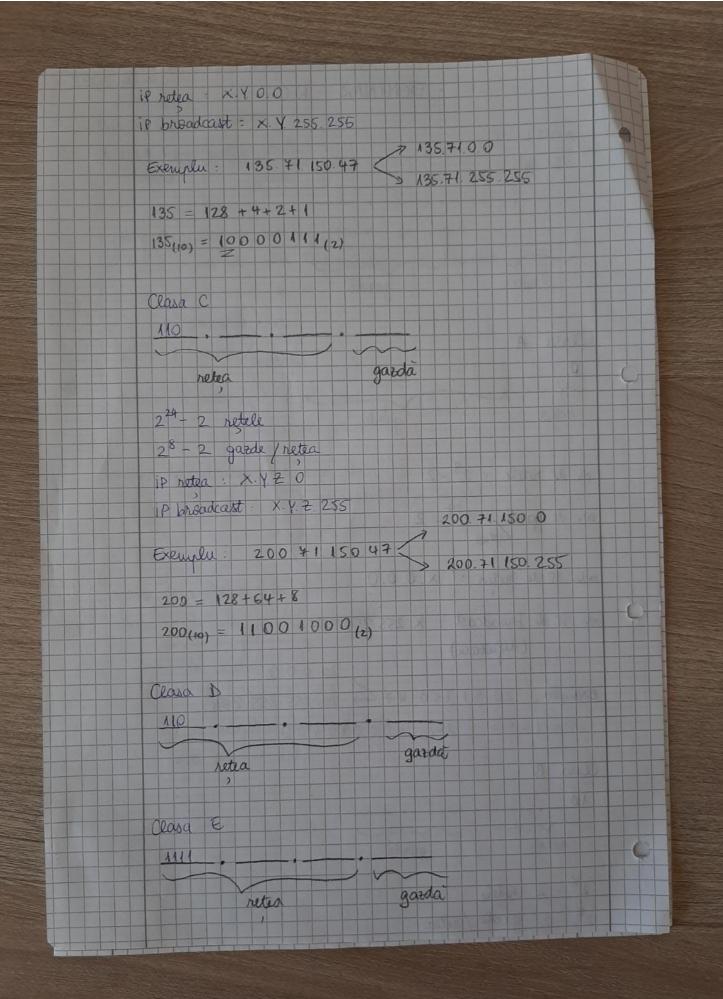
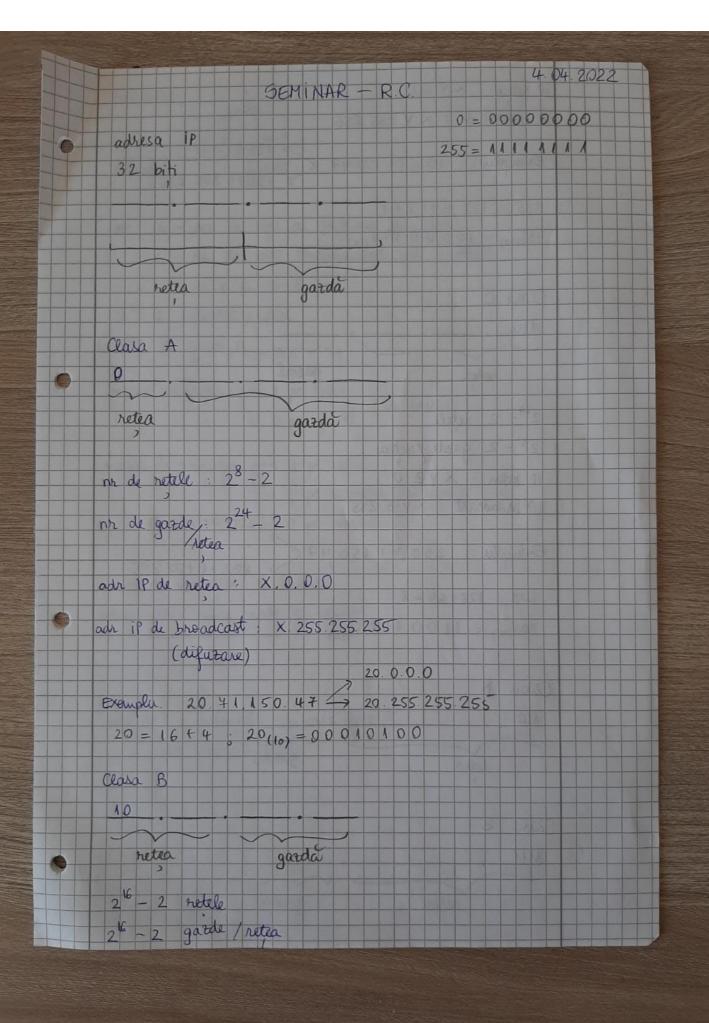


Subretele subretea i M-K gazda retea n - ur de biti ai sectivii de gazda K - m de biti ruprumutati pt subretele 2 4 K 4 M-2 2 K - 2 subretelle / retea - 2 garde/subretea masca de retea - 1 pe retea o pe gardi (in binar) masca de subretea 1 pe retea pe subretea ( in binar) O pe gazda massa de subretier ( Du binar, adresa it a unei garde (In binar) SI LOGIC adr iP a subretelei din care face nante adr iP data





→ 3 birowi cu 32,16,16 adr iP adr diu ficcare subleabloc (Discuție) Fie M1, M2, M3 mastile celor 3 subblocuri

$$\begin{cases} 2^{32-u} = 32 = 2^{5} \\ 2^{32-n}2 = 16 = 2^{4} \end{cases} = \begin{cases} 32-m_1=5 \\ 32-m_2=4 \\ 2^{32-m_3} = 16=2^{4} \end{cases} \begin{cases} 32-m_1=5 \\ 32-m_2=4 \\ 32-m_3=4 \end{cases} \begin{cases} m_1=27 \\ m_2=28 \\ m_3=28 \end{cases}$$

Subret T: (17.12.14.0/27) M1 = 27

I adr 00010001.00001100.00001110.00000000 (17.12.14.0) ] with adr -11-...-11-...-11-...00011111 (17.12.14.31) ] Subject  $\overline{1}$ : (17.12.14.32/28)  $N_2 = 28$ 

I adr 0-11 - 11 - 00 100000 (17.12.14.32) ] =

Subnet III (17.12.14.48/28) U3=28

I adr. -11- 11- 00 110000 (17.12 14.48) ]

what adr: -11-10011111 (17.12.14.63)

Discutse: 16,32,16 (carul II)
16,16,32 (carul III)

Protocolul CiDR ( Classless Triter Domain Routing ) Un bloc de adrese iP. - are toate adr consecutive - m adr dia bloc e o putere a lui 2 -> I adu il a blocului e divitabilà cu un de adr il din bloc ex 205.16.37.32 ( 16 adr ip 326 = 3 10 2 + 2.10 + 6  $x. y. z. t = x. 256^3 + y. 256^2 + z. 256 + t$ 205-163 163+ 16-162 162+ 37-16-16+162 = exte divitibil cu lé Blocul de adrese: x-y-t-t/u
adrip du masca ur de adr ip die bloc: 2 32-4 adrese ne biti ficsi 32-u biti

definesc

reteaua  $2^{32-4} = 16 = 2^4$  32-4-4 = 0 4=28EX 205 16.37 39 /28 ( n=28) 11001101,00010000.00100101.00100111 [ adr 17 a bloculus -11- -11- 00100000 (205.16.37.32) ult adr ip a blocului -11-. -11-. -11-. 00101111 (205.16.37.47) 17. 12. 14. 0 / 26  $\Rightarrow$   $2^{32-26} = 2^6 = 64$ I adr is a bloculu \$2001000.00001100.00001110.0000000 (17.1214.0) ult adr il a blocului. — 11 — 11 — 11 — 00111111 (17.12.14.63)

0000011000001100.00001101.00001110 11111111111110,0000000,0000000 (11 12 00)

gie max 62 gazde, dar cel putiu 10 00001011.00001100 0000110 1 00001110 a) de A, 224-2 gazde, gazda b) IP retia 11.0.0.0  $\begin{pmatrix} 2 & -2 & 7 & 64 \\ 2^{1} & -2 & 7 & 64 \\ 2^{1} & -2 & 7 & 500 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 502 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7 & 7 \\ 2^{2} & -2 & 7$ ip broadcast 11 255 255 255 c) [2×-2764 K-minhu K-miniah 2 4 7 4 22 (A) 2 17 2 502 (A) d) 0000 1011. 00 0 0 0 10 0. 0000 0000. 0000 0000 2(10) = 10(2) (11.4.0.0) (11 253. 255.255) 8) 10 4 24-k-2 4 62 | +2 24-k 24-k 64 24-k 64 24-k 64 24-k 64 24-k 64 4 c 24-K 4 6 | - 24 -20 4 - K 4 - 18 ((-1) =) 18 < K < 20 => K & { 18, 19, 20 }

