6.39) cmmdc (21100, 12345) ji coef lui Betant $\times_{8755} = (1,0) - 1(0,1) = (1,-1)$ 2M00= 12345·1+ 8455 $\times_{3590} = (0,1) - 1(1,-1) = (-1,2)$ 12345=8755.1+3590 8755 = 3590.2 + 1575 $\times_{1575} = (1,-1)-2(-1,7)=(3,-5)$ $\times_{990} = (-1,2) - 2(3,-5) = (-7,12)$ 3590 = 1575.2+440 $X_{255} = (3,-5)-3(-4,12)=(24,-41)$ 1575 = 440.3 + 255 $\times 185 = (-4,12) - (24,-41) = (-31,53)$ 790=255.1+ 185 $\times_{40} = (24, -41) - (-34, 53) = (55, -94)$ 225=185.1+70 ×45 = (-31,53)-2(55,-94)=(-141,241) 185= 70.2 + 45 $X_{25} = (55, -94) - (-141, 241) = (136, -335)$ 70= 75.1 + 25 $\times_{20} = (-141, 241) - (196, -335) = (-337, 576)$ 45=25.1+20 $\times_{5} = (196, -335) - (-337, 576) = (533, -911)$ 25-20.1+5 =) 5 = 533.21100+(-911).12595 20=5.4+0 => CMM/dc (2/100, 12345)=5 7.39) 65 (mad 124) Calc Commdo (127,65) 127=65-1+62 65=62.1+3

62=3.20+2 3 = 2.1+1 2 = 1.2+0 $\times_{62} = (1_10) - \lambda(0_1) = (1_1 - 1)$ $\times_3 = (0,1) - 1(1,-1) = (-1,2)$ $\times_2 = (1,-1)-20(-1,2)=(21,-41)$ $\times_{1} = (-1,2) - (21,-41) = (-22,43)$ => 1=(-22)·127+43·65=> 1-43·65= 72·127=> 1=43·65 (mod 127) (2) Din (1) si (2) => 65-1= 43 (mod 124)