Ilma 1 (2.9) Det CHMBC at lei 901275'32107 fol. alg his Euclid extins Si det. coef. Berout. X = (1,01, X =(0,1) Xn = (1,0)-2·(0,1)=(1,-2) 90127 = 2.32107 + 25913 32107 = 1.25913 + 6194 $X_{1} = (0, 1) - 1 \cdot (1, -2) = (-1, 3)$ 25913 = 4.6194 + 1137 $X_{\lambda} = (1, -2) - 6 \cdot (-1, 3) = (5, -19)$ 6194 = 5.1137 +509 $X_2 = (-1,3)-5\cdot(5,-14)=(-26,73)$ 1137 = 2.509 + 119 $\times_{\Lambda} = (5, -15) \cdot 2 \cdot (-26, 73) = (57, -160)$ 509 = 4.119 + 33 ×2 = (-26,73)-4(57,-160)=(-254,713) 119 = 3.33 + 20 Xn = (57,-160/-3(-254,713)=(819,-2295) 33 = 1.20 +13 $x_1 = (-254, 713) - (819, -2299) = (-1073,3012)$ 20= 1.13+7 X2 = (819, -2259) - (1073, 3012)=(1892, 5311) 13=1.7+6 $X_{1} = (-1073, 5012) - (1892, 5311) = (2965, 8323)$ 7= 1.6+1 Xn = (1892,5311/-(2965,8323)= (4857,-13634) 6 = 6.1+101 1=4857.90127+(-13634).32107 3. 9.) Det mursal lui 10 modulo 37. (10,37): 37=3·10+7

10 = 1.7 +3

7=2.3+[]=1 (10,37)=1=1 7 januer sul hir 10 mod 37

3 = 3.1+0

1= Ua+VM =) 1= 10 u + 37 v => 1= 10 u (mod 37) (=> (u=inversul

37-3=111=110+1

37.7=259 | = 1+259 = 10.26

= 0 mod 37

1 = 10.26 mod 37 => (u = 26)