2. Rezolvati vormadouvele sisteme de ecuati a) $|X+4y=1 \pmod{9}/.5 \times n = 5 \times n = 5 \pmod{9}$ $|5 \times n = 1 \pmod{9}| |5 \times n = 1 \pmod{9}$ (-) $|5 \times + 2y = 5 \pmod{9}$ (-) $(5 \times + 7y = 1 \pmod{9})$ (-)/ (-5).y = 4 (mod 9) 4y = 4 (med 9) y = 4-1. 4 (mod 3) $\chi_g = (A_10) \quad \chi_h = (0,1)$ 9 = 4.2 + 1 $X_1 = X_9 - 2X_4 = (1, -2)$ y = (-2). 4 (mod 9) y = 7.4 (mod 9) y = 28 (mod 9)

=>
$$X = -3 \pmod{3}$$

 $X = 6 \pmod{3}$
 $X = 7 \pmod{3}$