Toma allabet 25 A-22 Decriptare CSAXDPISEFCAUYUYC [a b] => A* = [a b] => A* = [a - b] => => A-1=(detAi | -(a) det A = 3.5 - 7.11 = 15-77 = -62 => -2 (mod 30) ... (det A) -1 = (-2) -1 = 28-1 28-x=1 mad 30

(28,30) = 2 = 1 => 28 nu we invers modulo 30 decarece nu este prim in 30 matricea A nu este inversabili in mod 30 deci nu se poste decriptio mesajul en oceosti matrice en mod 30 nu existit matriele de decriptare à fara 1 = 28 A=(3 4) det A = 3.5-4.11=15-48=-62=>-4 (mod28) (dot A) = (-4) = 25-1 25 × = 1 (mod 29) (39,25) = 1 23 = 25 - 1 + 4 25 = 4 - 6 + 1 421.4 X = (1,0) X = (0,1) X 4 = X 25 - X25 (1,0) - (0,1) = (1,-1) X1 = X25 - 6 - X4 (0,1) - 6-(1,-1) = (0,1) - (6,-6) = (-6(7)) 25.7=1 (mod 23) A1 = 7 - (5 - 7) mod 25 = (35 - 40) mod 25 =



