(1) A = 53n-2 (nEN) R = 51003 -2m/m EW)

B = 21003 -2m/m ENG Fie x E A-NB en XEA, XEB en 5n, m EN

 $\alpha.\overline{\Lambda}. \quad \lambda = 3n-2$

X = 1803-2m

Deci 3m-z = 1003-zm &= 3n+zm = 1005

Obo 3/3n; 3/1005 => 3/2m Deci 3/m

Dei m=3m; m & Z 3n+6m'=1005 1:3 n + 6 m' = 1005 [: 3 n + 2m' = 335 De unde obs. ca m = 335 - 2m'Dri A 11 B = {1003-6mi | 0 = mi = 167 } CZ O ax+br= C; a, b, c E K*

Europa ore solutii in & v Z co (A,B) | c => Fie (Xo, Yo) & Z X Z rolute as about 5/0 = C infection (a, b) | a 1 (a, b) | b >> (a, b) | ato + b/o = \leftarrow (a,b)|cThe Noton $(a,b)=d \Rightarrow a=da'$ cu(a',b')=1=> d/c => c=dc/c'EZ Deci dax + 16 r = dc | d ax7 bY = c (á, b) = 1 = 3 u, o & Z a î. ua+ob: (c' => duc + b oc = c . d auc + 600 = 0

Dri (ac' oc') rol. a austici 3 281x -1338 = 3 Deternate a solutie justi accorde accutie 781 (133 = ZR15 => 15= 281-2.133 >> 13 = 133 - 8.15 = 133 - 8 (281 - 2.133) 133/15 = 8213 = -8.281 +#133 15/13 = 1 12 2 2 = 15-1.13 = 15+8.281-17.133 13/2 = 621 231-2-133 1 2/11 = 220 (281, 133) = 1 (3 => ectentra oce nol 1 = 13 - 26 = -8 - 281 + 17 - 133 - 6 (9 - 781 - 13 - 132) - -62 - 781 + 131 - 133 -> -62.281 + 131.133 = 1 (3 - 186 - 281 + 393. 133 = 3 ⇒ X = -186 Dem. frag (9) apolly = C 9,6 E Z* d=(a, b) Ad/c a = da' en (a', b') = 1 B = db' c = dc Den ax + 6/ = c Constituen (50,20) soluti porticulora

Docat (p,r) esto o obta soluție a sevolgii -> dxo+8'r = ax+64 $cs \dot{a}(x_{0-x}) = b'(x_{0}-x_{0}) = a' | b'(x_{0}-x_{0}) | a' | x_{0} | x_{0} | a' | x_{0} | x_{0} | a' | x_{0} |$ 381x - 133Y = 3 $\chi = -186 + 133 \text{ T}$ cut $\in \mathbb{Z}$ (rolution operation) (5) A = {3n-2 | n E Z} B = {1003-2m | m E Z} XEAOB <=> X=3m-2 n, m EN X=1003-2m 2) 3n-7 = 1003-7m @s 3n +2m = 1005 1=3-2 1000 2) 3.1005 - 7.1005 = 1005 Dei 1 = 1005 mo = 1005 Gin=1005-2t / tell
m=-1005+3t / tell

