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Matematica discreta

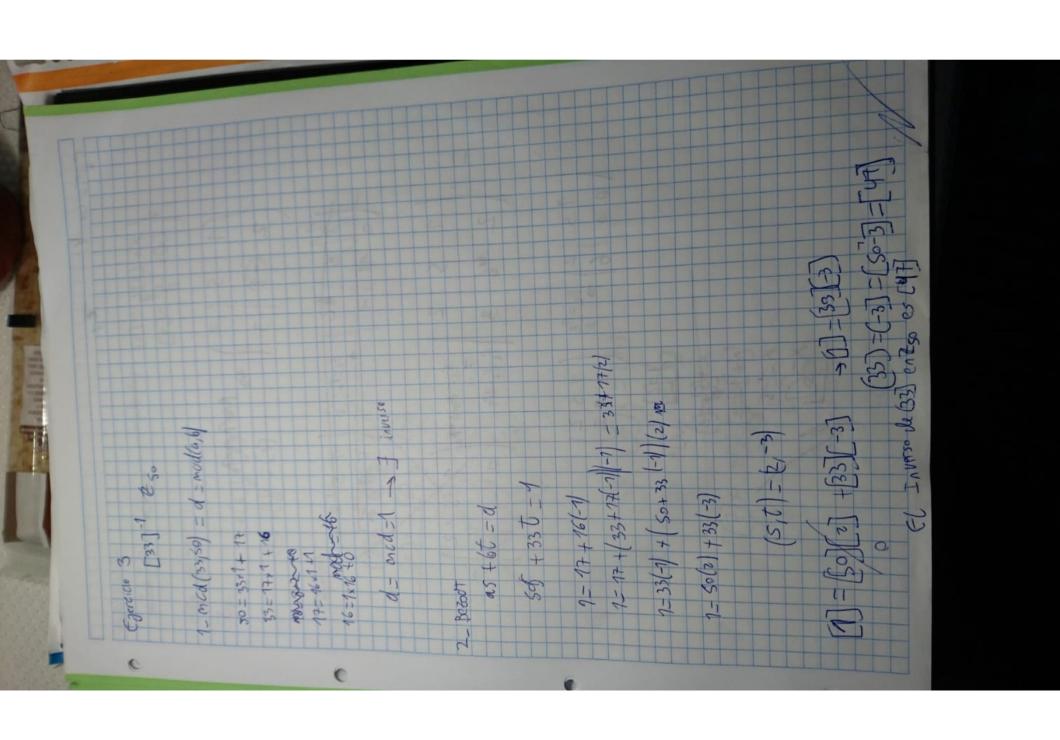
Aritmetica entera y modular (Sesiones 10-12) THE TANDEST PROPERTY OF THE PARTY OF THE PAR of CTX C= Kd algor: K62 L= K.d = MMD + 6TK hay solutiones d= mid(ap)=> dla gd/6 d/c かったこって X02 K1 - 05 28 x -364 = 44 0 x + 64 = 6 d=med (4,6/= med (26, 28) C 1/h 42 med 36,28)=4 36-28×1 +8 d= ned(a,6) | C 18 - 8 x 3 + 4 8= 8,2 40 MD OF THE LIGHT

(B1.7) )=( a4,-33 1 9-28-486-34+28(3) -228(9)+36(-3) (5-1) - (4,-3) BUDIE 128 MIZA4 (x0, 20) = (08,0x) 136-84 ececon (2-) (1-)82+95800)+82-h de la \$ 285 + 36T = 4 4 => n=11 as +65= d 916 12-18+82=4 3 sal Paricular 9 a= 20 4. Determinal da = 44 d= 24

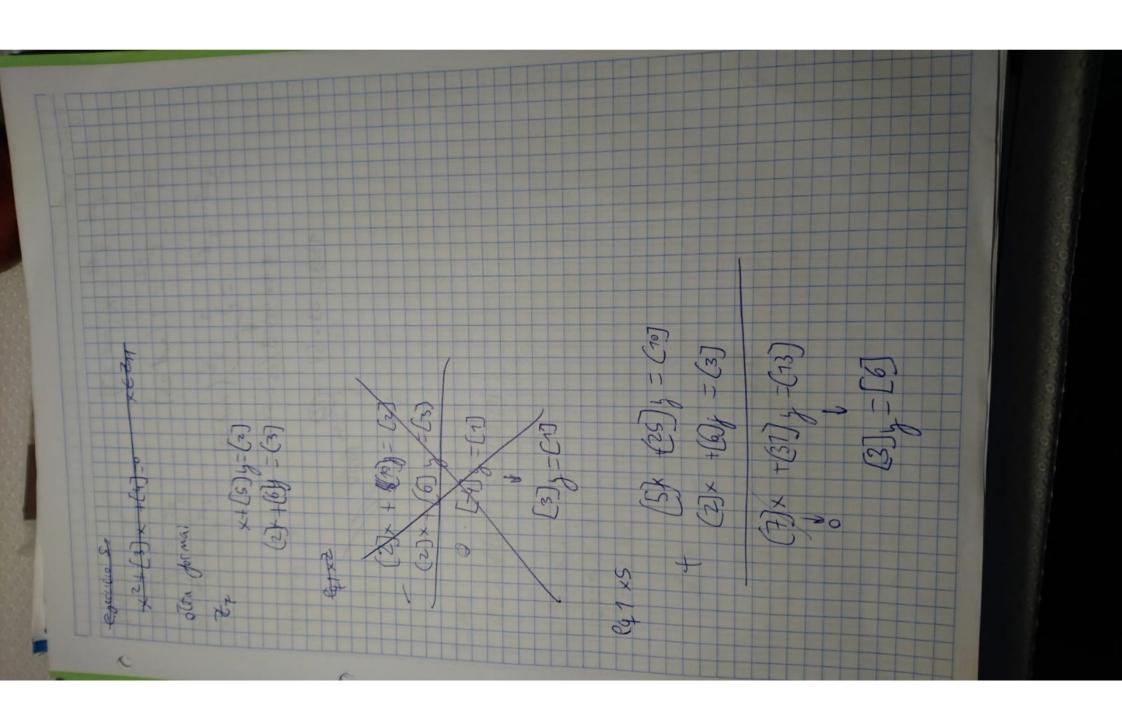
ax +64=0 68x-201=32 162 n 2-52420g 00SV 7 2 7000V de la eccación 140 = 44 hy= (04-)98+ (85)82 8 8 - 3 - 4 KB X= contendante 63 quits of 4 = -23 - 4 = -40 5 Solveion general 1484 12-0 (med 68) 6- ComProbaction Practica 3= 2= Cqups

4-20+(69(-1)+20(6) = (83(-1)+20(7) 5060000 A (xo/20)=(12/01)=(12/0x) 7- med dajb/ = med (68,20) (5,t)=(-1,7) 2 48 (2-)((E-)02+89) +07 -h 8=0 6 28=00 685+20t=4 12-18 +02 =n 4135 8= 4x2+0 Be 2001

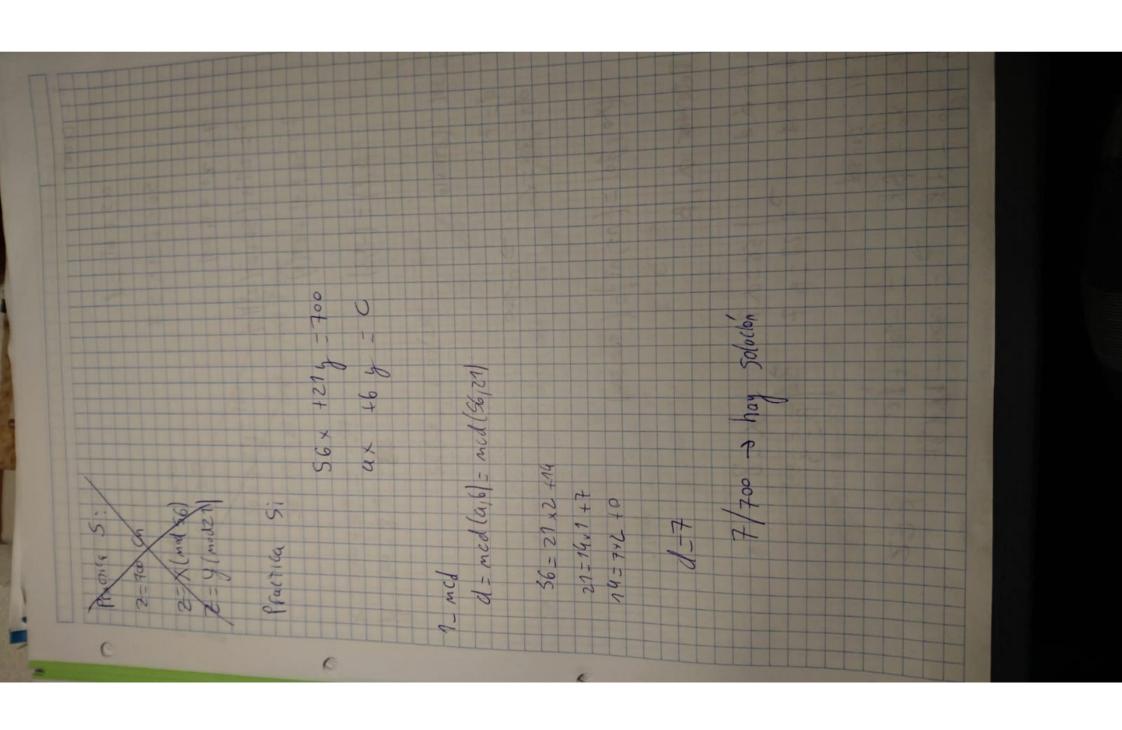
340. 6= 2040 -> 2040 -1086= 052 < 1000 32-20(56-4K)= 32-106 4340 K 7 - 68 - - 68 (-16+5K) = -1088 + 340K KEE 5 168= 24 2 14= 17 2=-1088 [ mod 340] = 1292 equitors K= 2088 = 61~ 340 K= 100 + 108 5-50(ucio, general = -16 + 58K 1 x = x + KB = -16 + 58K 68(-11) +20(39)=32 sylver 2=1000 11-25 + 35 - 80 6 - Controbación K=1 Detaminar 面面



5 0 \$2- Fore 462 ×+839-451 X+(10-16) X-1-18 Fz=F, 7 13-6 F2=F2 2 90 20 7 0 3 0 chercion



2 t 39 t 39 t 2 perto \* 4× +1323/23- 5+ 1323 = 23 - 57 + 123 322 9 decres 6 325

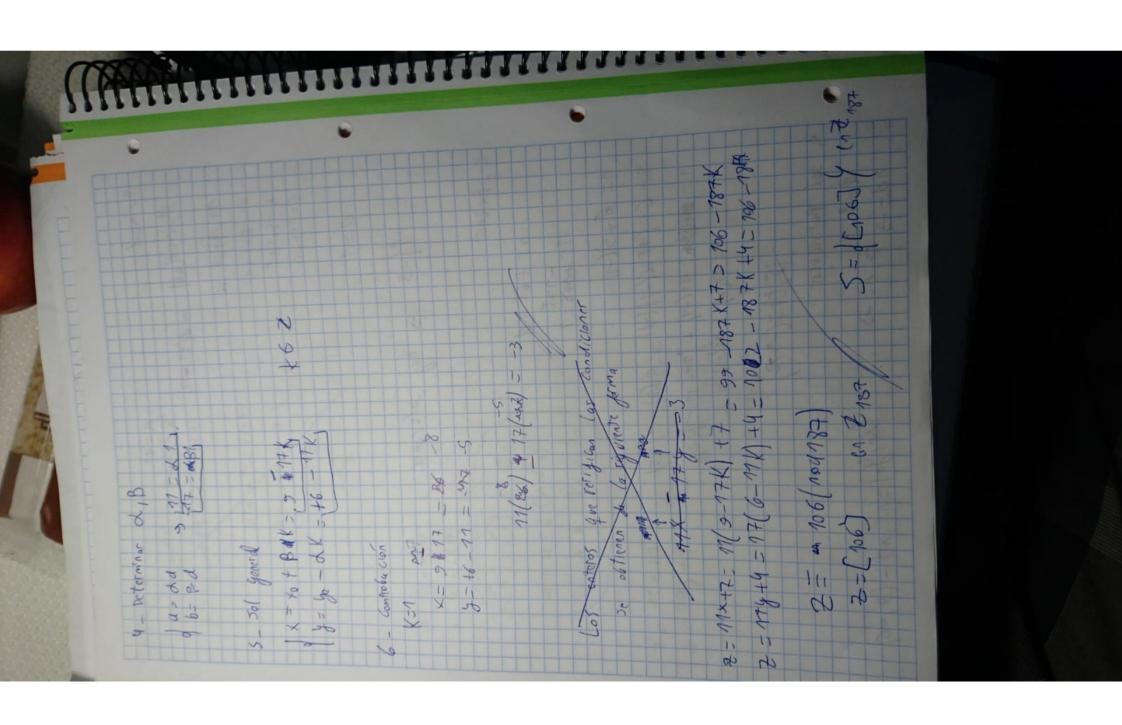


ER V 8:800 - 300 - 34 1/3K -78 + 84 (X0190)=(15,11)=(-100,380) 1862A7 1-11(2-)12+95)+12-t 3 00 100 565 + 21C = 7 us + 6t = a (5,0) = (-1,3) (s)12+ (1-) 95=t 4. Determine A, B フニのとこり 3-50 Particlos p 8 = 9 4-7 Cetar

Para estiner Se poede llevar el Trabago dun de la signieite forma N S6[-02] + 27/28/ = 700 56 (2) + 21(28) = 70 26(-92) +27 (282) = 7058 56x +21 4= 700 82 - 222- + 008 - f X=-100+3 34=2 5 inds X=-100 +3 K 4-300-8.1 - 97 K=39 A

MA 11x-1744=-3, 1+ ft = 1+1/6 9 = 6 = C 6x=3 [4]=[6] e, 2, P 6+4+1 = 2 Practice 6

[0\*(8) = pu/su)=(8/0x) 7=6+(11+6(-1)(-1)=6(2)+11(-1) 15 64(844 11(-1)+(17+11(-1)(2) sold lines (5,t)=(-3,72) has d=mcd(a,b)= mcd(11,-17) 14=3 - 12-3 115 pose = 1 sol Perticular 1= 6+5(-1) 11-6x1 +9 5=12540 1=1 2. Berout 3



- (27) 6 2x -> (27) (35) 7- {(35) = {(5×7) - {(5) , {(7) = 4, 6 - [54] en 2 xs} - [6] [m] - [3] mad(a,n)=1 = hay mca=1 17=8x3+443 32-27×11 48 3-3×2+2 Dow 012112 med (27/35) (3) 62× practile 7

(23 1= (13) co 24 2 (35) 2 (4) (13) 26) 26) 26 (3) (13) (2) (3) 2000 24 4 5 2 8 - 8 - 8 (mod 35) en 1835 = 13 (nd 35) -> 4-273-19683 4-273= 8-45,562+13 2- 235 = X (mod 35) 3562\* mcd (2,35)=1

= 35 562+13 =13(ma)35) = 27 24 14 23 = 14 2 1 2 1 2 1 2 1 3 5 196 83 10 mg 27(8)-7(mod 35) 27(8)-7(8) (1) alton 35-13-7 27 35 - 24×4+3 35 Q mcd (27,35)=1 35=27×118 23 C Z + 2 2 S E Z + 2 2 C Z + 8-3×2+2 552 2=12240