SIL TIM QIM QIJ SIV SIS DID matheux Percoto Ribeiro Vieiro - matricula: 22. 1. 410,4 listo 1 - Teorie dos númbros Lo) a = 258 b= 12 n=6 258 = 158 + v 258=12.21+6 b) a = 573 b=-16 -573=- (-16 (35)] -13 -573=+[16(-35)]-13 (-1) 573 = -16(-35) +13 381=14(27)+3 (-1) -38T= TA(-52)-3 8=-55 -38L= L4(-27)-14+14-3 12= 11. - 38 F= 14 (-58) + 17 d) 0= 433 b=-17 433 = 17(25) + 8 (-1)-433 = - 17 (25) - 8 -433=-17(25)-17+17-8 - 433= - 17 (26) 49 Qz 26 7 9



2a) 18 = 2 ¹ ·3 ² 2 ⁶ ·3 ⁶ = 1	
18 2 2 · 3° = 2 9 3 2 · 3¹ = 3	
7 5.3 = 3	
$2^{1} \cdot 3^{2} = 18$	
5 . 3 = 18	
b) 256= 28 1, 2, 4, 8, 16, 32, 64, 128, 256	196 2
	df 5
c) $392 = 2^3 \cdot 7^2$	
2°.7°=1 , 21.72=98 23.71=56	
2.7=7. 2.70=4. 23.72=392	
2° - 7² = 49 2² - 7¹ = 28	
$\frac{1}{2}$ $\frac{7^2}{100}$ $\frac{1}{100}$	240 56 00 196 20-
2 ¹ · 7 ¹ = 14 - 2 ³ · 7° = 8 -	, 28, 49, 56, 98, 196, 392
21 52 59 (167 7. 7. 7. 7. 7. 9. 9. 9.	hiviel por 7
3) 53, 59, 61, 67, 71, 73, 79, 83, 89, 97 51, 93	hird por3
4) 0= 8316 b= 10920	
1) V= \$ 218 N= 10450	
1 1. (mala	
a) d= ~de (8316, 10920)	
10920 = 1(83/6) + 2604	
8316 = 3 (2604) + 504	
2604 = 5(504) + 84	
504 z 6(84) + 0	
d=84	
물거들 살아 됐다면서 나왔다. 그로 그 나를 보게 하는 것이 그렇다. 그리고 있는 사람들이 그리고 있다.	

SIL TIM QIM QIJ SIV SIS DID

1)			515 X 704 X 7 /
b) 84= 8316 a + 10920	P = 13 / A		197
84=2604 - 5(504)			
84=2604-5[P316-3(26047	· ·	
84 = 2604 - 5(8316) + 15			
84= -5 (8316) + 16(2604	Control of the second s		
84=-5(8316) +16(109	The state of the s	3	
84=-5(8316) + 16(109	the same of the same and the same of the s		- VI
84= 16(10920)- 21(83	make the contribution and a surviving of the last of the surviving of the		
27(8)	116)		1. 36 : 56 :
c) 8316·10920 = 10810	100		
			VERY STATE
84	No.		
5.) 135 3 13523 ³ .5	b 1330 2	2.5.7.19	
45 3 15 3	665 15		
5 5	19 17		
<u> </u>			
c) 3105 3 33.5.23	9) 577 2,00	, ,	6
1035 3	. 6) 222 2 07	m munition polar	°C
345 3 115 5 23 23	A CHARLES TO A SECTION OF	A SALE	
1 2	ktore ki sisa Masilani katina kat Katina katina katin		
6) a= 23.35.54.116.173			
b= 25.53.72.114.132			
			Sp. 7
mde (a, b) = 23.53.114			
more (a, b) = 2			
mmc(0,b): 25.35.54.	-3 116 12 1 3)	
mmcco, N	7 . 11 . 13 . 17		
an / Ene Fev / Feb Mar / Mar Abr / Abr Mai / May 01 02 03 04 05 06 07 08 09 10 11 12			<u> </u>

7 2) 446 - 278 = 24	V b) 793-622 237 V
7	9
	The second of th
c) 269-413 z-12 V	d) 473-369 = 4 V
12	26
	THE RESERVE OF THE PROPERTY OF THE STATE OF
2) 445-536 ~ -5,0555	F e) 383-126 = 17,1333 F
18	15
8) 386 = 55 (7) +1	7; 1
	The state of the s
b) 257=7(36)+5	-7,0,7 :2
	-7,0,7 -6, ¹ ,8
	-5, 2, g
	-4, 3, 10
	-3, 4,11
	-2, 5, 12
	-1, 6,13
c) 192= 7(27)+3 (-1)	d) 466=7(66)+4 (-1)
-192=-7(-27)-3	-466 = 7(-66) -4
-192=7 (-27)-7+7-3	-466=7(-66)-7+7-4
-192=7(-28)+4	-46627(-67)+3
13/123	· · · · · · · · · · · · · · · · · · ·
The state of the s	La Maria Cara Cara Cara Cara Cara Cara Cara

	-	(1 12)						u u	(III V B 1 8	(A.)	1		× 114
A STATE OF		Caro)	12					Gabaril	o mo	tra	do	04
					-	13									
					2	14									
					3	15									
					4	16		4			1.18	14 L			
					5	17									
					6	18									
						19	1				3	11 1	9 -		- 1
						50		No.			And the second	i. W			
	-39	-17	-15	-3	A CONTRACTOR	of the state of the	33	45	1		· Z	raulm	res	ter	cre
					10			13	,	4 - 7 1		P		ð	
					-	23									
		L	4												18.1
°) ~	a													W.	N
1), 3		16	r (30	a		2(9)	26								
	2, 4,			. 7		0 ()	U								
L -1	1 1		\a]	- 3526	10		31 J				X 70%		7.8	103	3 (1)
b) m =	16			- 7		mak h									
11, 3.		9, 11		2	Ø	16)=	D								
(-1 -1		11.	1 13/	(7)	/	<u> </u>									
z) m=	7			44.8	- 10				03		Wast	4. 9			A Ca
0	4,5,	5 }	Ø(7)	= 6	z feg		10.76/1			TO THE		0	4	8	
(-//	1/2/			Ty y				7				1	5	9	
1) +	0	L	2	3		×	0	T	2	3		2	6	10	
0	-	L.	2	3		0	0	0	0	0	2 38	3	7	u	
1	1	2	3	0		1	0	1	2	3	V 10 10 10 10	. 1			1 3 7
2	2	3	0	1		2	0	5	0	2	1 2 2 2 3 1		6		VAL
		0	1	2		3	0	3	2	1					

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```
12) 4x4-3x3+2x2+5x-4=0(mod 6)
                                       boluios (entre 0 e 5)
XZO
   = 4 = 0 ( mod6)
                 Jaho
K=1
   4-3+2+5-4=4= (mod 6) talso
X=2
  64-24+8+10-4 = 54 = 0 (mod 6) redodevio
x = 3
  324-81+19+15-4= 273=0 (mod 6) polo
824
  1024-192+32+20-4= 280 =0 (mod 6) tops
X = 5
   2500 - 375 + 50 + 25 -4 = 2196 = 0 (mod 6)
                                       woodadoin
  R: 2,5
13) (x)= 26x4-31x3+46x2-76x+57 = 0(md)
                                          26%8: 2
                                                   -31%8=1
        2x4+ x3 + 6x2 +4x +1 = 0 (mod P)
                                          46% 8=6 -76% 8=4
                                          57%8=1
f(0)= 57 € 0 (mod 8) polo
1(1) 2 26-31+46-76+57 = 22 = 0 (mod P) galo
      32 + 8 + 24 , 8 + 1 = 73 = 0 (mod & folso
      162 + 274 544 1241 = 256 = 0 (mod P) rendaderio
 (4)= 512 + 64+ 96+ 16+1= 689 =0 (mod 8)
```

SIL TIM QIM QIJ SIV SIS DID

The second of th	
(5) = 1250 + 125 + 150 +20 + 1 = 1546	= O(mod P) yalo
(6)= 2592+216+216+24+1 = 3049	아이가 하다가 되어 되어 되었다. 그는 사람들은 그 사람들은 그 사람들은 사람들은 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
(7) = 4802 +3434 8944 2841 = 5468	#####################################
	12 11112 13
R: x=3	46 0 6 5 1 11
	· · · · · · · · · · · · · · · · · · ·
4 \ 3 2 (0)	
4a) 3x = 2 (med p)	
3 e 8 sais primos entro si	5.6=3.2=6=60
L= 3x0 + 8 y0	1.2.3.2
8 = 2(3) + 2 $1 = 3 - 1(2)3 = 1(2) + 1$ $1 = 3 - 1[8 - 2(3)]$	Como 6 ester entre 0 e 7, loge,
2 = 2(1)+0 -1 1 1 = 3-8(+2(3)) T 11-	
d=1	(2) (2) (2)
$\times 0 = 3$ $\times 0 = -1$	
b) 6 x = 5(mod 9)	
mde (6,9) = 3	
3 ~ão divide 5, logo, não la solução	
c) 4x = 6 (mod 10)	
d= mde (4,10)=2	
2 divide 6, logo ho' duas solución	
2 = 41P +10 Q Xm = X0+ m m	(mod m)
2=-2(4),1(10)	
P 32-2 70=1 X 1=4+1.10(meg 10)
X02-2.6 mod (10)	
X4=4+5	,10,
X0=-6 med (10)=4 X1=9	
Jan / Ene Fev / Feb Mar / Mar Abr / Abr Mai / May Jun / Jun Jul / Jul Agg 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18	O/Ago Set / Sep Out / Oct Nov / Nov Dez / Dic 3 19 20 21 22 23 24 25 26 27 28 29 30 31

15) 1092 x = 213 (med 2295	
mdc (2295, 1092)	
2295 = 2(1092) + 111	
1092 = 9(111) + 93	
111 = 1(33) + 18	
93 = 5 (18) + 3	
18 = 6(3)+0	1
d= mde (2295,1092)=3	The state of the s
3 213 La colução	The state of the s
Singlificando a expressão por 3	Encontrando Xo o partir do made
364x = 71 (mod 765)	1 = 364 X 0 + 765 Yo
mde (364, 765)	T= 3T -2(e)
765 = 2(364) + 37	7=31-2[31-1(37)]
364 = 9 (37) + 31	12 -5(37) +6(31)
37 = 1 (31) + 6	12-5(37)+6[364-9(37)]
31 = 5(6) +1	12-5(37)+6(364)-54(37)
6 = 6(1)+0	1=6(364)-59[765-2(364)]
	1=6(364)-59(765)+118(364)
d= mdc (364,765)=1	1= 124 (364) - 59 (765)
lão primos entre si, logo há	Xo = 124 Yo = -59
uma aducas para o equação	7 = X0
Come 364 2 765 now coprismo	e ha uma solução, ela será x = bz
X= 71 . 124 = 8804 , Priem	8804 > 765, logo X= 8804 %, 765 = 389
Como o d do mode (2295, 1092)=	3, tereros mais duas solucitos se de elos
389+1-765=1,154. 0,389+3	765= 1919 S= (389, 1154, 1919)
Jan / Ene Fev / Feb Mar / Mar Abr / Abr Mal / May	Jun / Jun Jul / Jul Ago / Ago Set / Sep Out / Oct Nov / Nov Dez / Dic

	
16) 455 x = 204(mod 469.	
mde (455, 469)	
469 = 1(455) + 14	
455 = 32(14) +7	
141= 2 (7)+0	
d= mde (455, 469)=7	7 nov divide 204, logo, não la solução
7) X = 2 (mod 3) X = 4(m	-cd 7) x = 6(-ed 10) .
M = 3.7.10 = 210	
$M_1 = \frac{210}{3} = 70$ $M_2 = \frac{210}{7} =$	$30 M_3 = \frac{210}{10} = 21$
70× ≥ 1(med 3) 30 x = 1	(mod 7) 21 x = 1 (mod 10)
X=7 X=1	X=7
70 1 20 11 11	21.16 = 746
Xo= 70 · 1 · 2 + 30 · 4 · 4 ·	22.1.6 - 1/6
746 (mod 210) = 116	
116 (~00) 210)	
	rercius
1) Belon 9 0 n	1)
o) a = 608 b = - 17	$\frac{b) \ a = -279 \ b = 12}{278 = 12(28) + 2(-1)}$
609 = -17(-35) + 13	-328 = 13(-53) - 5 $528 = 73(53) + 5(-3)$
0 = -35 2= 13	-516 = 10(-52)-15415-5
g=-35 n=13	- 378= 15(-34)+10
	4 = - 2 H J Jo.

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