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FILT (4) enten Vimes GELA VÃO I=8= 1 sein Ger adon cíclica 91 EI levestemate do 30 H Lema Tem 05. 11.

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ele montos

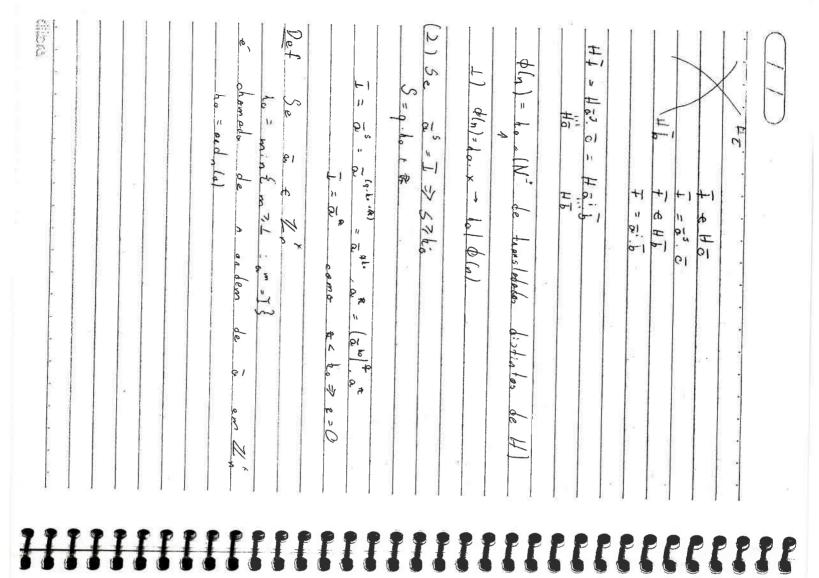
então, como

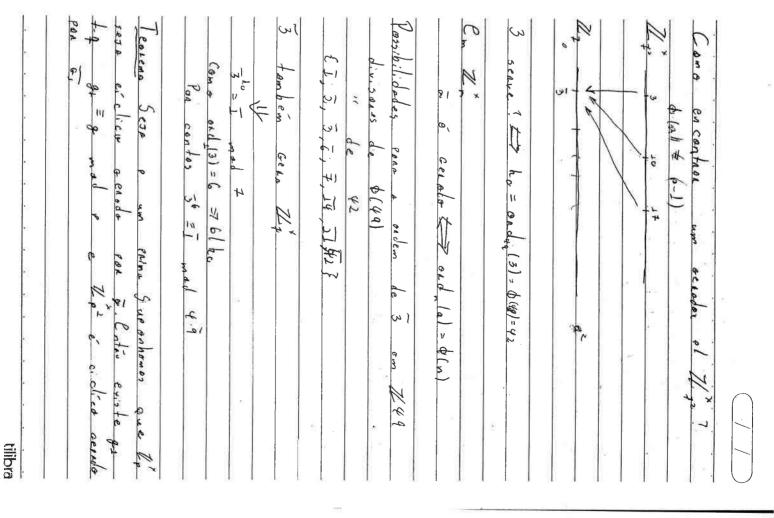
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H 25 = H

K

= 1H1= 19H1





Portanto THUSE ! Sensa 87 = (8+6)-J SEAVE 0(0-1) (p-1) ond p (g) = (p-1) and poly = pul (0)= 6(0°) (g+P) = o(p-1) = b(p2) of The all good (\$10°) = as (, (g) 1 \$(e-1) mad reabou 16-1 (F-4)

10mm 9, 2 9 + 52	Se and, (g) = (p-1)	$\frac{g_{+}}{g_{+}} = \frac{g_{+}(\rho_{-1})}{g_{+}} + \frac{g_{+}(\rho_{-1})}{g_{+}} $	(10-1) (Tama gishtp	Se ond (8) = ((p-1)	6	(0.3) bilidades	divide sadea	\$ 200 = 62 (p	de II pa	scra cíclica cerado pan g.	Tearens Sego I um erimal Screenhamos	Ā
		1) 8.9	6 1 + P((r))					12	(63)?	9	en g. Cutés	C B : MO !! W. B. A.	h

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STORY OF THE PARTY O MA Poss. bilidades Dem Quelo A, Tear. Sei: and, (4) = \$ (0) = 0 - (P-1) (1) g = ciclica 6(0-1) 1 ho = (e-1) 0 to = p(p-1) 0 10 = \$(p3) = p2(p-1) sed, slgul to mind = d(p3) = p(p-1) my 19+8 8+= 8+P 8 810 8+28 1 \$ (0) 91= 9+20 mod 371: 3 11-170 13 Al Gum 6(6-1) a 6 2 (6-1) (6(1-1)-1) 8 (6-1)-1) nou selve Zueanhamas GENA mad cíclica accedo rae qu Que Ve sera Tear 1000 8+ 8 + 6 Bosto 81 = 8 + l.o $\rho(\rho-1)$ € e= 3 15030 (t-0)d P. = (5-474 (1-0) = (8 + 6+) 9(8-1) 300 and (y) = \$ (p) = p2 (p-1) = p (p-1) (19+pl) (19+p) = (1+bp) - 1+p. bp + p.(p-1).bp # 36 mod o SPAVE 5 CJ 8 e 14 142 81 Grandon , s(1-1) d bg. 3 Genoden + o [0-1) 1 g (1-1)-L (6-4) Too, que accordon de 0 = 1+6.0 de mad o 84 EL 84 \$1 mad + Page a render Ker.

#1 mad

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mad olP.T.F

7 ,... Up "L e=4 Hox 4 2 (P-J) P 12 (P-1) (4.6) 0 (12602) P= 1+ 8.602 +0.(p-1). 62.04 + GELA 1+ b-pn-2 44 1 + b p 1 -2) Tese: 84d , 1 (24) = 00 (0-1) = 00 (10-1) => gt + 1 redo # 5 ° 64-2 (1-1) p(x-1) (1-9) 4 T-502-T + P. b. p. + p (p-1), b. p. a. . med ou #1 P(0-1) = 1 + 6 p2 El mod part [Ten Cules] 111 Ħ 010 made (Tea Culer) mad of XI was mad policis so a beardons 36 (4) - 0 (4) - 0 (6-1) (IL n. 1 Gees mod OBS

Tear Question enta, \$(w) = an x"+ H & MAX. MO \$(x) = 0 LAGRANGE Sela, que MUMERO mad + Q1 x + Q0 classes de soluções 0 21. mo e 7 primo Ip é ciclica 1×7/2 = (1) =

Dem . n=1 otat ~ at tem inverse Il x f(x) = 0 mad o (a) x = a a mad Indu cão 1(x) = a1 x+ a0 dessa equação

1(4)= 2-1

Sesa 5 UP Onhemos x - ch = (x - co)(x - 1 + x - ca + f(x) - f(ca)= an(x"-c")+ an-1(x"supenhomes yeadedeing 1(1) =0 Carety ... + Ca c Saluções GRAU de Gasa n-1 200 1. 1 y. co + co 1.1) sejon net -Co 1) 17 ... 1 as (x-co)of todo polyamin classes distin

f(x)-f(ca)=(x-ca) g(x) Substituinda 1(c)-1(c)=(c,-ca) gles co \$Co mad + > g(cs)=0, mad + 0 = (co-ca)-glcz) mode cost dominante de q a a gran 8= n-1 ことりたい tilibra

SICHE. Tear Dentro Pers 80 0 Obs: x. d >1 100 Seso Par 20 Se P.T. 101 862 Ented or dem 10354 Desa lob non be 6-1 -150 d1(p-1) x-1-1x dk-1= (x)x anula em possui exotamente Cntoo (x-1)(x (11-1) das d=2 =0exo to intate Phimo imean no moximo de 1) voises + canacan 10 t ... + &d-1)=0 med o EGUASAO DE 1- p 2 mad 0-1= dk mod 0 rd o(x4) = 0 Phimo imper. C c 05505 e-1 - (dk -d) onulam -1=(xd-1)(xd(1.1) + d(1.1) o tem \$ (d) mad mad = d1(0-1) 11 maco solución distintos en la closses de pl soluçõe mad so ten 2 tem exotomente (P) P tem p-1 sologoes sesa dip-1 this and 50 lucie (T+pxr solucoel I I H 111111111111 I Zi. Coes um canto or) em Zox X Canalania Conclosio 7= +× d(p-1) saluçası cusa andem é Tean Sesa Question ×5 ean asad Gra A 714 Quantos cielico

1= 1

mad

soluções

0 = X.

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7/ × ×

N X

pa as d

Gouss

T = 7-0

Francisco 10 Conol coe do Cocantre Coast Sega N= P. .. PER 2 31 524, 2) (231 524, 4) (231 524, 6) = 16 1 7:1 (4, d(poi)) Ars 195 [n-1, o(e,) = fin-1, 13-1] T = 7.8 × 09. n= Par Ter per so lucies mod 231 525 imper Cutar CQUACTO tilililililililililililililililili φ(5)= U

f- 181-1-101-9-577 + 6971 = 4-45 17 - 1 25 77 = h-92 9 77 × 231 524 g(5): 2 X 131 SJY 1 20 165 1 PL) 125 242 367 + 105 recl & 231514 231824 32) = 7 8/8 31514 X 57681.830 15+61 31524 w >=7147, 2943 (II 111 Sis. 8 (7) = 3 5= £9, 183 MOC! d(1)=6 mod 2 (72) = 0 Q 0 300 500 300 3 8 5 الهي 5 DB W 4 mo: 1000 2 5 4 10 \$(3)=2 815-8 3) = 2 40 0 d(2)(=)00 tik 1.2 Ūή, 12573 U 3 (= 16 T. 0 110 5762

CIDIO

Resolução ncontre q= 242 = 112. Genodan 5, (24) 12 61 renifices 242 P = ((L) & bis w X 2 es 111 30/ usper =4 Gerador. Gen Adon (2) = 6(5) - S = (24) × S = (24) 5, 4 = d(52) N mad 5 00 97 = 1 S. S. (2.11 5°.4) 22 serve? 7 d(51)) 32 211.7.6)=2 50 (479 (4) K Land I

(38) = 1 mod to 5 = 1 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2	\$ 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\frac{2x}{2x} + \frac{2}{x^{2}} = \frac{1}{x^{2}} = $	x=5,2,k X=5,2,k	2 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4
5 5 5 7 - I}	36 = 8 mad t2 3 6000 7/22	auc 3 a ceather)	x = 4 6 3	5°4 5°4

Cilibra

HODE X43-1 Preciso x.) = 5, (242) aventer b to un mod med 5 $\times S_{1}$ (242)= $\{(\overline{1},\overline{1}),(\overline{1},\overline{-1}),(\overline{-1},\overline{1}),(\overline{-1},\overline{-1})\}$ (4,) Si S 5 and (Ky >-1) 5 a = 2 mad 11111111111111111111111111111111111

	ordem d	Quacas X d =	tem exata	cosemo	
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3 do - > \$(i) (\sum_{\pi | de (\pi) - \pi | de (d_0)} de solucosi IN teorem A ardem ord own

Those of 2, 2 vers : ext by 600th.

1.11.11 81:82 apple) · aproto di ayma ! 2 22 23 36-347= 54(242)= {1, 2} Bute que 21 rea =1 or não 15 fear TENDOX 20 = 2 7 = 28 3 70 = 24.5= I X2:+12 > 0 × 10 (53.4) <> 112 × 0 → 10 (53.4) 25 grade de 75 30=16.有一大多 genoage on 1x ans flywor on toour on =32.9=,76 · 50 pe co 2003. 2242 July 33 To you I low you by I repropose so the your (phy.52-0(54).) X= 5 45 mm TE 277 0. 87 proti dimine X2. 112 ۱., نگر 5x4 = 9(52) Took I' is not P-1)

DATAPEL

Testo-p 2,254 (5:2) por 0= 2,278 bons de religió se la gogo DX=53.72 REL mod 73 X=1 mod 54 $S_{+}(xy_{2}) \times S_{+}(xy_{3}) =$ 53(210) = {I, -I} 5 de 1-7 かいけかいころ Species of pers sign a d (pre). Entro mater material of (d) Mysto 7 asse as of in I'm immades 1/ Seizant 2=115次 7 = -1 mod 7 1 (51.3)=1 Being investor 54 7+54K=-1 mx17 15 year T= 22 51 X = - 2 mod 7 20 21 mode 7 Tro Enter). 田田 t por T = 70.287 九三しかが 2, = -1 my 5" o solving of order of an autification To-a eles メッニーノ trant?

2x 2	Exists: h=3.52.7° = 272.525 Enests tobas on soften de 2.32.524 2.32.524 2.32.524 2.32.525 2.606/LL 2.400 Enests tobas on soluções do seg. (5.54) 2.402 = 2.112 2.403 = 2.112 2.403 = 2.112 2.403 = 2.112
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Lemaho (if 11 for) 10 $\varphi(\rho^e) = \underbrace{\mathcal{E} \, \phi(\dot{\gamma})}_{\text{lipe}} = \dot{\phi(l)} + \dot{\phi(\rho)} + \dot{\phi(\rho)} + \dot{\phi(\rho^2)}_{\text{dist}}$ P(n) = 5 6(j) Temos ti P(m) P(n)= ($\sum_{j,l,n} \sum_{a,l,n} \phi(a_{j,l}) \cdot \phi(a_{j,l})$ July July 51d & (j) = do E. E. \$(5,5) · masterenes do - (5/6/06) - 6(60)) = do 3 12 0 a)=1 => e(m, a)=e(m) e(a) Dixlos) , Dixlos 5. d (74). (1 + p-1 + p(p-1) + , + pe-1 (p-1)=pe Pustad 11 Sus P(nm)=m.n=Q(n), P(m) 2/27 M 5. 6(20) 6/a) = 4 (ma 5 d(;) = do 3 + d (pe) 0; um absurda titititititititititititititit Miller S 50

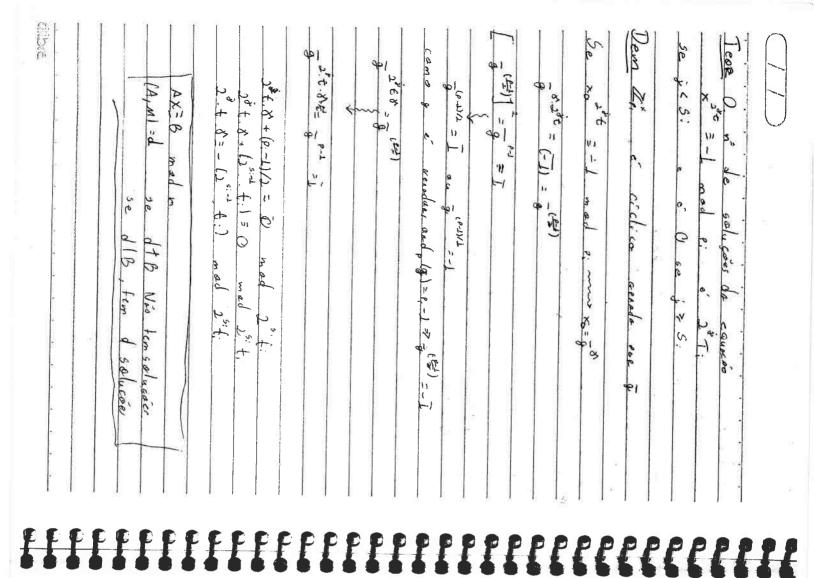
4/(T-U) 0780 PAC, entra Teo [Millen-Rabin] bases (c) # # Sals = n-1 = 2 t n=12. pes P0550 |"| |-||* 90 ---(BC) = 1 35 (b3.+) = [-1] = 1 P 855 A 5 Q (n-1 tadas 10 m e pseudophima 2-7 bases no meso oscu do paims 200 6075A comiosto ((n-1), b(es)) SOULARS 50 2000 10 Miller wo a 7:0 15b5 [n-1] no teste 605 a - . b de 00 0030 nod! t in Par Quo'S forte) no base soluções > de 1-5 g(T) T= 9 (7) 31 200 PASSA bi milled no F= 9 desto composto in mod mod mad n (05541) mod n RENPERO maximo les to de

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TOTA 273 K 6/27 # Sals = TT # 50/s 779 le × 4/x Casa 9 2 Rek est. man 11 Per # Sols 9x-9 > 6x (n-1, ez-1) & th (ez-1) < th esteril 5 \$ h ton × 2-1 × 39 100 10 h IA 11/ 100 31/2 t 747 1 cx 3/2 X O 20 cento 9 10 2 10 LSKSF

Ty: (t, ty)	+ Sols = T	te t	f = 4	0-1= 25 0-1= 25	do tivo	186: Se n = escudo # Sols de # Sols de
45 £5.	1 # c(r.10 t)	de	Miller no	2. P. 12 37 L	7000 n	eq x n-1
المرد المراجع	(t, 2, 4) = To	* Lt . *	bose b	t ment	de CARMIChOE	todes as be
	$(\xi, \xi_{\hat{\xi}})$	7	1 S 1 S 1	069	el é de forma	eam chel Codis

Cillura



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Resums Colosen Se. (2+t, 25t) = 2 min(5,51) # 5012 X 24 X 05 Sals \$5:-1 125; de 中中 # 54 \$ + pow (~=+ox era. M (t, t;) = 2 min(2, 5)) \$ 0 # O 501 mad 7rt · · · 05 j & 5, 25.3-1 solucare med o; V: 5 0 \$

H

1-15 ≥ £

Ven entre Cution MOVAL Tr. X(1 + 5 10550 Wa \$ des de 1=7. Miller sume OUE (2"T-) 7 05:55 J 612 base 2-1 \$(n) < n-1 b esta 8

THE STATE Yau 1-1 PROVEN 3 + 5 + 1 ... V 5 n T. st. 52+52 6... 350 52 + 52+ ... + 54 25:7-1 gue 25-1 V 2,51 2,52 € le-1/(e,-1)...(er-1)=2t. 2"-1 STOSTON TONE CAR F 1 th 81+2+ -. +5h 3.3 4 (F) (5 - J)) 3 sut スペーン 2 6 .. 2 6 2 2 (2 -1)

Potion of interior compasta image

Cotion of cosso of tests be Miller no maximo

p-1 bobes b's 1 < b < n-1

posson no Miller bat ou mod no dere demand of 2 2 5 2 1 - 1 inter

Cossoli en en Chaz

x = 1 and n = x n-1= 1 mod ois bi

Sols de x"-1=1 mad n > tt (n-1, ola) = tt (n

2 2 n 2 9 => 2 n 5 n-t

q

q

q

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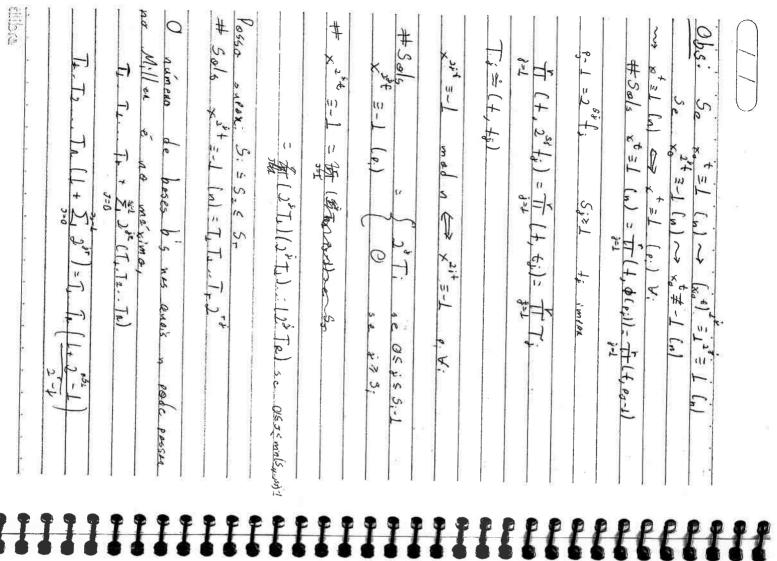
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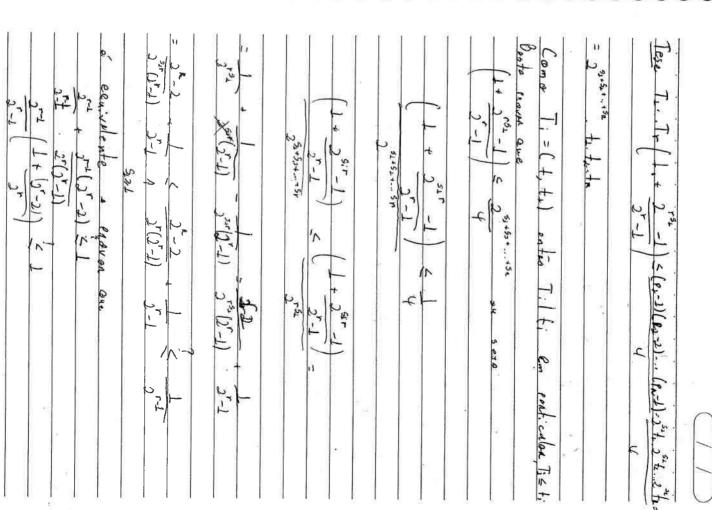
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nosso no Miller - x = 1 mado





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51- 51 20 Sub caso Bost, 2/67 Lonclusai Tese n=1= 2.t 6367 50 25.62 11.0 VAN. 1+2-1 17 32-31 0000 in 3 4 5,58 7 54-91 2=2

HEEFEE EEEEEEEEEEEEEEEEEEEEEEEEEE

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beste

Que

Absurde

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571

ilas

Jub Sub Casa

52=51

n= 4.82

91-1=2

p-1: 2 52 +2

Dez- :::-

Out. Oct

Nov . Nov

Set Sep Ago Ago

Fev. Fab

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Provas Examenes

Data . Fecha

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Faltas . Inasistencias

Sala

Professor . Profesor

MATÉRIA . MATERIA :

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