22.4.20

P53: 1 P54: 6, 7(1), 9, 11(2,4,5),12

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|. (a,b,c) = <(a,b),c> = \[\int \langle a,b> \rangle, \left(a,b),c \rangle \] = \[\int \int \int \rangle a, \int \rangle \rangle \rangle, \int \int \int \int \rangle \rangl

6. (1) < x, y, e(Axc) U(BxD)

(=) < x, y, e(Axc) V(x, y) < (BxD)

L= (xeanger) v (xeBnyeD)

=> (KEAUBIN (GECUD)

€ (x,4) € (AUB)x(CUD)

(2) <x,4>0(A-B)x(C-D)

(rea-B) 1 (yec-D)

€) (XEANX&BIN(YEC NY&D)

(XEA AGEC) A(MBAYED)

=) (XBANLIEC) N(KBYYFD)

€) (KEANYEC) / T (MEBNYED)

€) (x,y) €AxC / 7 (<x,y) eB xD)

(BXD)

7.(1) (X, Y) P (A-B)XC

(=)(XEA-B) N YEC

(=) (XEA NY B NY EC

(=) (XEA NY EC) N T (XEB NY EC)

(=) ((X, Y) EAXC) N T (X, Y) EBXC)

(=) (X, Y) CAXC-BXC

9.2mm

殿B: (1) ゆ (5) [ca,1>,(b1)>]
(2) [ca,1>] (6) [ca,1>,(c,1)]

(3) \((b,1) \\ (7) \\ \((b,1) \rangle \((c,1) \\ \) \((c,1) \\ \) \) \)

B型A: (1) ゆ (ま) 「くし、a>、くし、b>]

(2)[<1,a>| (6) [<1,a>,<1,c>|

(3) [<1,6) [7] [<1,6),<1,0)[
(4) [<1,0) [8] [<1,0),<1,6)[

11-12) dom R = fa,b,c; dom R = fa,b,d; dom R = fa,b,c,d;

141 RITA= {ca,b>, cc,c>, cc,d>}

Riff(= f(cie), (ci.d>) (RiUR) [A= f(aib), (aic), (ci.d)]

R= [< a.c.]

(5) RICAT = [bicid]

R2[A]= {c} (R(NB)[A] = \$ 12. iza=\$\phi, b= \phi \c= \phi, \phi \partial \text{, pi} \\

R= \{(a,c>, < b,a>, < a,a>\partial \text{, and } \\

(1) R^1 = \{(c,a), < a,b>, < a,a>\partial \text{, and } \\

(2) R \phi = \phi \\

R \partial \phi \partial = \phi \\

R \partial \phi \partial = \phi \\

R \partial \phi \partial \phi \partial \phi \\

R \partial \phi \partial = \partial \phi \\

R \partial \phi \partial \phi \partial \phi \quad \phi \quad \phi \quad \phi \quad \phi \quad \quad \phi \quad \quad

ran R= {a.c] fldR= \a.b.c?





R品有版性.必称性.

(2) B= [ca.ax, ca.b, ch. bx, ce.ax, cc.bx]

B.朝城郡性,住途性

21.
$$M(R_1) = \begin{pmatrix} 1 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix}$$
 $M(R_2) = \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix}$
 $M(R_1) \cdot M(R_2) = \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix}$

BORI= FCI, B>1.

V(x,y)eR,注题(x,x)eR, 从而成义<x,y>eRoR,故PSRoR. 述及说明RoRSR.

€ REXX A: 5a3, R= β.

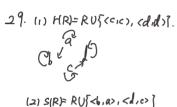
500 R. P= φ= R, Q R 766 R.

27. E CX. Y) ERM URM € <x, y> eRm V (x, y) eBm 63ti... Itm (< X, t, > ERA ... Actually) ERI) V 3ti... Itm (< X, ti > ERA ... 1(tim, 1) ER2) (*) =) 3ti...3tm-1(<x,ti>e,iUR2 A... A Ctm-1, Y>FR UR2) 6) CX19>FRIDENT 二年 (大) 数电影"长"。 A 7 方便 17 to=x, tm=4. 不妨议Ct.t.)ERI(若Cto.ti>eRi证例完全构图). 处法"长"减之,则引efi, ··, mil, (ti, tin)ele. 新心断意, Jie (1,...,mr), (tinto) ER, 1(tinton) eR. 事实上,可以依次考察(Fli2)…, m-1, 颇为知常个 (ti,tin)eR . It is the inter. 玩, tiefl(R) M(L), 新。 # G(R): 620 0

28. G(R): 62 c eft of G(R): 62

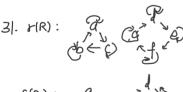
继续法, 拟发现 m=0, n=13即游戏。

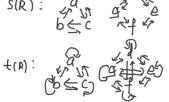


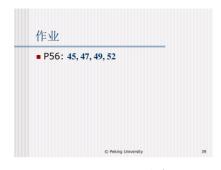




(3) t(R)= R







35. 吕萧证R是文书的、传递的. Yx, yeA国XRY, 由小说xRX, 是由公为yRX, 即R选对称的. YX, y, ZEA. 且XRY. JRZ, 由对称性有 YRX, 从而由心心x RZ, 即R是传送的。 #

37. 应收性: YXEA, X=X(mod5) 以存性: YX,YCA, XEY(mod5)=Y=X(mod3) 使选性: YX,Y,ZEA, XEY(mod5), Y=Z(mod5) =>X=Z(mod5)

ENCREMENTS.

(XPR=)[1.6,11,16], [2,7,12,17],
[3,8,13,15], [4,9,14,19],
[5,16,15,20]

39. (1) Rm= [<1,2), (2,1), <1,3), (3,1), (2,3>, <3,15, <1,17, <2.2) (3,3), (4,4)7.

A/R== [[1,2,3], [4]].

(2) () RI= RT \ {<1,2>, <2.1>, <1.3>, <3.1>} A/R= [[17, [2.31, [4]]

@B=R=1{<1,2>.(2.1), (2.3).(3,2)}

A/R= [[1,31, [2], [4]]

@R= 12 \[(213), (3,2), (113), (3,1) } A/R=111.21, 131, 1471

PR4- (<1,1),(2,2), (3,3), (4,4)? A/R4= [51], [21, [3], 541].

(E) Rq=RT, A/R4=A/R.

45. (1)

花:e 极坑:e 极坑:e 极坑:a

(2) a b c e

最大元:无极大元:a.d.e 成元: A ABORT: a,b,c,e

47. A= {1,2,3,6,9,18,27,54}



最終在14 至今可以到分为与个互下极交易处理 至多可以引动者尽个环构交的经产

49. 反向6性:

Kr. 4>GAXB.

(4,4>&B) <x.x> (R),

数(x,y) K<x,y>.

付俸性:

V(x1, y1>, (x2, y6>, (x3, y3> CAXB. 凤(X1,91)R(20192),(X2,92)R(X3,425

B4,=42, 42=43

ABY XIRIX, X.R.X3, W.T. XIRIX3.

tx<x1141>R<x3143>.

(34,=4, 15±4z

NB 42 R.42, MOTH 1843, \$\$\langle X1, 4, >R(X3,40>.

B) 91+42, 92=42

利路 4.R.L.从而与Ray3,

女(ベリリントくろリタン・

AJ, #42, 42# 43

利路与12年12年2931从而出版的, 数<x1,4,2 R(x3,43>.

E主L REAKBLIBANJ談子.

52. i&A= {a.b. c].

AL的的的的二元美元之6-64个, 共能漏出外,即偏隐经19个. 其类图134·T:

a a a a a a a a b a b c b c b c b c

Las poble la la la la

الماد الماد الماد الماد الماد

LES DE BEC LE ME LAS LAS