: S'27 N
10 1 18 6 66 6 16 NIVIN 21 22 X = {X1, ..., Xk} 11, 1, 1 :X 16 V125V011) 2,31119 $P_{\chi}(\chi_{i}) = P_{i} \qquad P_{\chi}(\chi_{h}) = P_{\kappa} \qquad 0 \leq P_{i} \leq 1.$ 1=:= K 808 X; Se ~12x 12 17031) (6(X:) ,y v - le(x:) le 1)1231)], 11 (1; x, 1) $(\sim 1780 \ 3)$ $0 = 3 \ 5^{16}$ $((\times_{1}) = 001)$ $(\sim 1780 \ 5)$ $0 = 5 \ 5^{16}$ $((\times_{1}) = 001)0$ $((\times_{1}) = 001)0$ (۱۱۵٬۵۱۱) عم P, 7 P27 -- > 7 P+ N. 9 N. 1, 1 N V. 1, 1 N, C. N. P. N 215 (VIU) V

754 63EN

5"CNN 730N a,b,c,d E/R

a > 5 10 510 € ≥d -1 .ac + bd 2 ad + bc

:ソリントリ

 $a \ge b \implies (a-b) \ge 0$

 $c \geq a \Rightarrow (c - d) \geq 0$

125

 \Rightarrow $ac + bd - bc - ad <math>\geq 0$ $(a-5)(c-d) \ge 0$

 \Rightarrow ac +bd \geq be +ad

=1) (>11)

110311) JUK NAVINI) 10 UIDI JIB

E=1,P,+--+1,P; ~11/1/1 177/240

-2 V,77 V,772 V9591) 15 P2 $P_{i} = P_{i}$ ア、シアz>···> >アル 1c "5 $= P_{ij} = P_i = poax(P_i, \dots, P_{in})$ $P_{i-1} \leq P_{i}$ $\longleftarrow \cap_1 \leq \cap_2 \leq \cdots \leq \cap_{k} \qquad \stackrel{\triangleleft}{\leftarrow} \circ \cap_3 \geq$: E 10 '16'21) > () 6 $E = \bigcap_{i} P_{i} + \cdots + \bigcap_{j=1}^{n} P_{j-1}^{i} + \bigcap_{j=1}^{n} P_{j}^{i} + \cdots + \bigcap_{k} P_{k}^{k}$ F C, ('NOCO & SC PNAPU: $P_{j-1}P_{j-1}+P_{j}P_{j}\geq P_{j-1}P_{j}+P_{j}P_{j-1}$ $E = \wedge_{i} P_{i} + \cdots + \wedge_{i} P_{i-1} + \wedge_{i} P_{i} + \cdots + \wedge_{k} P_{k}$ $\geq \cap_{i} P_{i} + \cdots + \wedge_{i} P_{j} + \wedge_{i} P_{j} + \wedge_{i} P_{i} = : \bar{\Box}$. ~ JN'S'N) NIN(N) E -0 705 (12'MO2

= N,919U UUDI')

173337) BONNIN EO = NIBITION PLA 171937) BONNIN TO UIDI JIZ

名い、、・・・ハアはないいいのかい、アロックのころ

. ~ 'UN'N E = 1, P, + --- + 1; PK ~ 11/1/1 17/2 > C

 $P_{i,-i} \geq P_i \iff P_i \geq P_2 \geq \cdots \geq P_n$

: E 10 (16/21) > </ >

 $E = \bigcap_{i} P_{i} + \cdots + \bigcap_{i} P_{i-1} + \bigcap_{i} P_{i-1} + \bigcap_{i} P_{i} + \cdots + \bigcap_{i} P_{i}$ $: \bigcap_{i} P_{i} + \bigcap_{i} P_{i} + \cdots + \bigcap_{i} P_{i}$

 $A_{j-1}P_{j-1}+A_{1}P_{j} \geq A_{j-1}P_{j}+A_{1}P_{j-1}$

129

. 8" e N

1783/1) 512/ NAJIE 0'SIC (IC 10/3 N/83N16 > 1/87/1/1 N/1 11/931) 0'616 212 1816 1183/1/1 de /031N,) 60,-61) / = DOOCKUCL. (C/1) 62; N 7 e K 1) (7 1 1) 1) de 118 2 60 7 6 11 NK (>e1 . 111de 0'1k d/N 'J' d/C d/J d/C NADN . <math>K = (5.23) '11' (> d/C(Y) = aY + b '11' . Z

1) 1/1 / 1) 1/1 / 1) 1/1 / 1) 1/1 / 1) 1/1 / 1) 1/1 / 1) 1/1 / 1) 1/1 / 1/2 / 2) 1/2 / 1/2 / 1/2 / 2) 1/2 / 1/2 / 2) 1/2 / 2/2

$$\pi = \begin{pmatrix}
1 & 2 & 3 & 4 \\
4 & 2 & 3 & 1
\end{pmatrix}$$

$$\vdots (c',1) \qquad \wedge (3) \partial (1)(1) \qquad (13) (N, N, 1) \qquad (13) \begin{pmatrix} 3 & 6 \\ 4 & 2 & 3 & 1 \end{pmatrix}$$

$$\pi^{-1} = \begin{pmatrix}
1 & 2 & 3 & 4 \\
4 & 2 & 3 & 1
\end{pmatrix}$$

X 6C	D	\bigcirc	0	Ç	k	U	C	_	
y E Z 26	3	14	14	6	10	20	2	11	
x = f(g)	6	14	14	3	įl	, ZS	2	10	
X C P	C	0	0	D	L	U		l-c	

 $(2) \frac{1}{2}$ 16 "3 . "1' DIC / DI3 16 $e_{(x}(x) = 5x + 23. \mod \mathbb{Z}_{3/2}$ (16H N88LA NA7</br> : Z -> (KX) de V.09/1)1) $\gamma = 5x + z3 \longrightarrow \gamma - z3 = 5x$ - $\frac{1}{5}$ $\frac{1}{5}$ (/2 { d₁₁(Y) = 5 (Y-23) mod 31 -23 mod 31 8en1 , 5 mod 31 .-23 mod 31 =8 $a = 5 \mod 31$ (> () J

5.1 = 5, mod 31 5.25 = 125 mod 31 =1 mod 31 5 mod 31 = 25 dy (Y) = 5 (Y-23) mod 31 = 75(×+8) mod P1 = 25 x + 200 mod 31 = 257 + 14 mod 21 () > { dr 14) = ax + 6 mod 31 a = 25, b = 14.