[15] 1.11, 核似	暴加到	1 to 2 - 16 to 3).	满龙之, 满龙龙水
pusm A	LOAD B	LOAD RO. B	LOAD RO B
PUSH B	ADD C	ADD. RI. RO. C	LOAD RI, C
V	STORE TI	LOAD RZ. A	ADD RZ.RI, RO
PUSH C ADD	LOAD A	MML R3. R2, R1	LOAD R3 A
MUL	MUL TI	ADD. R4 RO. C	MML R4. R3. RZ
push D	STORE TI	LOAD RS D	ADD RS RI, RO
ризн В	LOAD B	DIV Rb. RD R4	LOAD Rb D
pust c	ADD C	SUB RT. R3. Rb	DW RT RG.RS
\ ADD	STORZ TZ	STORE RT. X	sub k7 Ru. e7
DZV	LOAD D	/	STORZ RT. X
SUB	DIV TZ		/
POP. X.	STORZ TZ		
·	LOAD TI		
	SUB 72		
	STORZ X		
四周期份: 26	45	2/	20.
了清出台 3'记 (接近沙涛花巷3'号1'为R·R			31/20Ro. Ra
了一样出台. 当记 样以 a. 不言记 样以 x. 可记 样以 y. 言记 样以 y. 言记		13172: 3'int i. Ro y, RI	
14.0			<del>-</del> ,

=)
12112 3 in 2 i Ro
y R1
6 R0

```
L(A/A) = L(A) UL(A) = L(A)
411.
     211 AIA = A
   发证:对于集合S. 冷u= Usi, 右UK=U, KEZt.
(2).
     龙多归纳洁①K=1时显过成主,
     2 18 K=nmf, Uk= U= UB(2, 2/
          当K=n+1mf un+=unu=ur
                         = (\mathcal{\tilde{U}}S^{i})(\mathcal{\tilde{U}}S^{j})
                        = U (S'US')
                        = U ( U S + )
                       = \( \mathcal{U} \) \( \mathcal{U} \) \( \mathcal{S}' \)
                       = US = U
  ents S= L(A). U= DL'(A) = L(A*)
 DIL((A*)*) = DL'(A*) = DU' = U = L(A*) DI (A*)* = A*
 13). L(E/AA*) = L(E) U L(AA*)
               = L(A) U L(A) L(A*)
               = L'(A) U L(A) UL'(A)
               = L°(A) U DL'(A)
               = ( L'(A)
               = L(A*) by A*= E|AA*
 (4) 划记,对通后A.B. 有 (AB) KA= A(BA) K, KEZ.
     児子川(はき ①、K=Ort) (AB)"A=A=A(BA)" 显过成色
       ② (路) K=n mf (AB) nA = A(BA) n 成色,
        DII (AB) THA = (AB) ABA = A(BA) BA = A(BA) THA 成色
    211 ∠((AB)*A) = ∠((AB)*) L(A)
                   =[ DLIAB)] LIA)
                   =[ V (L(A)L(B)) ] L(A)
```

$$= \bigvee_{i \geq 0} (L(A)L(B))^{i} L(A)$$

$$= \bigvee_{i \geq 0} L(A) (L(B)L(A))^{i}$$

$$= L(A) \bigvee_{i \geq 0} (L(B)L(A))^{i}$$

$$= L(A) \bigvee_{i \geq 0} L^{i}(BA)$$

$$= L(A)L((BA)^{*})$$

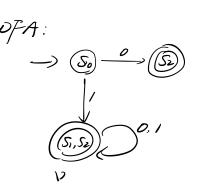
$$= L(A(BA)^{*}) \qquad \text{Ell}(AB)^{*}A = A(BA)^{*}$$

(5), ZVGZ((AIB)\*) = Z((A\*B\*)\*)

- ①  $L(A), L(A) \subset L(A^*)$   $L(B), L(B) \subset L(B^*)$   $L(A)L(B), L(A)L(B) \subset L(A^*)L(B^*) = L(A^*B^*)$   $L(A)B) = L(A)UL(B) = L(A)L(B)UL(A)L(B) \subset L(A^*B^*)$  $L(A)B)^*) \subset L((A^*B^*)^*)$
- ②  $\angle(A), \angle(B) \subset \angle(A) \cup \angle(B) = \angle(A|B)$   $\angle(A^{*}), \angle(B^{*}) \subset \angle((A|B)^{*})$   $\angle(A^{*}B^{*}) = \angle(A^{*}) \angle(B^{*}) \subset \angle((A|B)^{*}) \angle((A|B)^{*})$   $\subset \angle(((A|B)^{*})^{*}) = \angle((A|B)^{*})$   $\angle((A^{*}B^{*})^{*}) \subset \angle(((A|B)^{*})^{*}) = \angle((A|B)^{*})$   $A^{*}, B^{*}, \angle((A|B)^{*}) = \angle((A^{*}B^{*})^{*})$   $A^{*}, B^{*}, \angle((A^{*}B^{*})^{*}) = ((A^{*}B^{*})^{*})^{*} = (A^{*}B^{*})^{*}$   $A^{*}, B^{*}, \angle((A^{*}B^{*})^{*}) = ((A^{*}B^{*})^{*})^{*} = (A^{*}B^{*})^{*}$  $A^{*}, B^{*}, \angle((A^{*}B^{*})^{*}) = ((A^{*}B^{*})^{*})^{*}$

Z.(1). 发星以NFA,

編成 か 0 / 50 52 51,52 52 Ø Ø 51,52 51,52 51,52 同时設有所合并加狀态.已信頼がし



計成器 Z→ Za | Zb | a. 大成年 Z→ Z(a)b) | a. 清解を動き Z→ a(a)b)\* いから.