```
の证明 (AIB)*=(A*IB*)*
  A=A' B=B'
  : A | B C A* | B*
  : (AIB)* C (A* |B*)*
  任意, a ∈ (A* | B*)* , 成分的
  a的形式为 Ani Bn2 An3 Bn4... n., n, ... =0,1,2,
  存在be(AIB)*
 使得boAmBn2An3Bh4...
 RP b= 9
 ... (A* | B*)* C (A|B)*
(A|B)^* = (A^*|B^*)^*
② 证明 (A|B)*= (A*B*)*
 ACA*B*
  BCA*B*
 : AIBC A*B*
 : (AIB) * C(A*B*)*
任意, a E (A*B*)*
其形式公外为 AMB M2 AM3 BM4.
 则存在 be (AIB)*
 196ち AMBMAN3BN4...
 BP 6= 9
 .. (A*B*)* C (AIB)*
 : (A|B)* = (A*B*)*
第上: (A|B)* = (A*B*)* = (A*1B*)*
```

```
8.
(1) (0|1)*0|
(2) ANXXXX
(1|2|3|4|5|6|7|8|9)*(0|1|2|3|4|5|6|7|8|9|)*(0|5)
```



