

编译原理 HW1

牛庆源 PB21111733

- 2.1a $a \sim z, A \sim Z, 0 \sim 9$ 空格、水平制表符、垂直制表符、换行、换页! " # % & ` () * + , - . / : ; < = > ? [\] ^ _ { | } ~
- 2.2

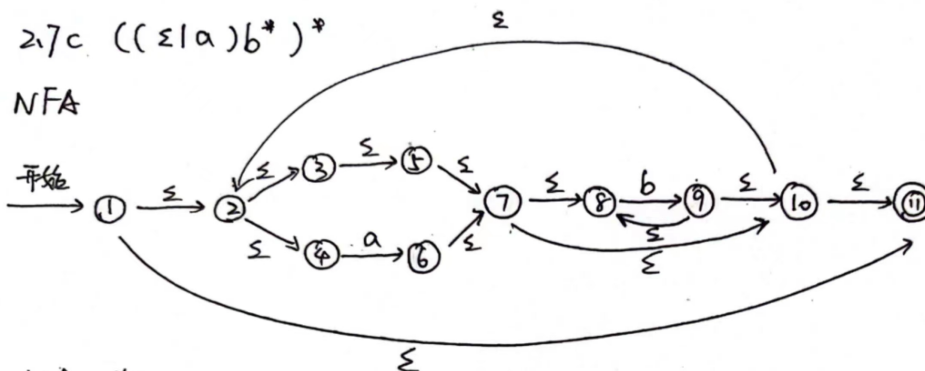
```

type id sep type id sep id sep sep
key sep id op id op num sep
key id sep
key
key id sep id sep id op id sep sep
sep
  
```

- 2.3a 首尾是0的长度大于等于2的01串
- 2.4h $1^*(0|01)^*$

2.7c $((\varepsilon|a)b^*)^*$

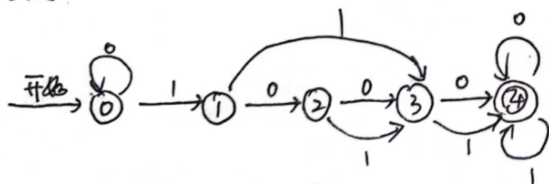
NFA



状态转换 ababbab

init $\rightarrow 1 \rightarrow 2 \xrightarrow{a} 6 \rightarrow 7 \rightarrow 8 \xrightarrow{b} 9 \rightarrow 10 \rightarrow 11$
 $\rightarrow 2 \rightarrow 4 \xrightarrow{a} 6 \rightarrow 7 \rightarrow 8 \xrightarrow{b} 9 \rightarrow 10 \rightarrow 11$
 $\rightarrow 2 \rightarrow 4 \xrightarrow{a} 6 \rightarrow 7 \rightarrow 8 \xrightarrow{b} 9 \rightarrow 10 \rightarrow 11 \rightarrow \text{end}$

2.15



状态代表的数字: 0: 0 3: 3, 4, 5
 1: 1 4: 6, 7, ...
 2: 2 4: 终止