223 3407 五份

绮泽第四次作业.

约73:

1.

搬:

内状态图可知, f不合法, eeff 不合法, eefe 合法

2. (1) 政政法: 2→ A1 | 0 A→ A0 | 0

(2)
$$V = \{A.Z.0.1\}$$

 $Vt = \{0.1\}$
 $Vn = \{A.Z.\}$

(3) 由文法可知·L(G[2])={0} U{01|n>1}

```
procedure getSymbol()
   while read char != EOF do
        if char is a whitespace or newline then
            skip char
        else if char is a letter then
            symbol := ""
            while char is a letter or digit do
                symbol := symbol + char
                read next char
            retract
            if symbol is a keyword then
                return keyword token
            else
                return identifier token
        else if char is a digit then
            number := ""
            while char is a digit do
                number := number + char
                read next char
            retract
            return number token
        else if char is ':'
            op := char
            read next char
            if char is '=' then
                op := op + char
            else retract
        else if char is '<' or '>' then
            op := char
            if char is '<' then
                read next char
                if char is '=' or '>' then
                    op := op + char
                else retract
            else char is '>' then
                read next char
                if char is '=' then
                    op := op + char
                else retract
            return operator token for op
        else if char is '+' or '-' or '*' or '/' then
            return operator token for char
        else if char is '(' or ')' or ',' or ';' then
            return punctuation token for char
        else
            error("Unexpected character")
    return EOF
```

