**词法分析**

**第一部分 语言形式化描述**

采用文法对语言进行描述：

**P:**

**第二部分 单词编码表**

|  |  |
| --- | --- |
| 单词符号 | 类别码 |
| if | 1 |
| else | 2 |
| int | 3 |
| while | 4 |
| read | 5 |
| write | 6 |
| real | 7 |
| + | 11 |
| - | 12 |
| \* | 13 |
| / | 14 |
| = | 15 |
| += | 16 |
| -= | 17 |
| \*= | 18 |
| /= | 19 |
| < | 21 |
| > | 22 |
| == | 23 |
| <> | 24 |
| >= | 25 |
| <= | 26 |
| != | 27 |
| ! | 28 |
| ( | 31 |
| ) | 32 |
| { | 33 |
| } | 34 |
| [ | 35 |
| ] | 36 |
| , | 47 |
| ; | 48 |
| 常数 | 49 |
| 标识符 | 50 |

**第三部分 状态转换图**

