

```

<RE>      ::=      <union> | <simple-RE>
<union>    ::= <RE> "|" <simple-RE>
<simple-RE> ::=      <concatenation> | <basic-RE>
<concatenation> ::= <simple-RE> <basic-RE>
<basic-RE> ::= <star> | <plus> | <elementary-RE>
<star>     ::= <elementary-RE> "*"
<plus>     ::= <elementary-RE> "+"
<elementary-RE> ::= <group> | <any> | <eos> | <char> | <set>
<group>    ::=      "(" <RE> ")"
<any>      ::=      "."
<eos>      ::=      "$"
<char>     ::=      any non metacharacter | "\" metacharacter
<set>      ::=      <positive-set> | <negative-set>
<positive-set> ::=      "[" <set-items> "]"
<negative-set> ::=      "[" ^" <set-items> "]"
<set-items> ::=      <set-item> | <set-item> <set-items>
<set-items> ::=      <range> | <char>
<range>    ::=      <char> "-" <char>

```