```
\begin{array}{l} \Sigma RE\emptyset \\ \epsilon \Sigma RE\{\epsilon\} \\ \forall a \in \\ \Sigma, a \Sigma RE\{a\} \\ r, s \Sigma R, S RE \\ r, s (r+s) \Sigma RE, (r+s) 
s)R\cup S
\begin{array}{l} S\\ r, s(rs)\Sigma RE, (rs)RS\\ r(r^*)\Sigma RE, (r^*)R^*\\ \Sigma RE\\ \{0,1\}\\ =\\ 0\{0\}\\ 1\{1\}\\ (0+\\ 1)\{0,1\}\\ (01)\{01\}\\ (0+\\ 1)\{0,1\}\\ \end{array}
(01){01}
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1)*{0,1}*
(00)(00)*{00}}{00}}
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1)(0+
1)*{0,1}+
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  1)*000(0+
1)*{0,1}0
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1)*01010,1
     1(0+
     1)*0100, 1 
 rr^+r(r^*)(r^*)r
     r^+ = rr^* = r^*r
     ",+
     RErL(r)r
                                                            r,s\acute{\Sigma}L(r) =
     L(s)rs (equivalence,
     (rs)t =
     r(st)
     (r+
  s)+
t=
r+
(s+
     \dot{t})
     r(s+
     t) =
     rs+
rt
(s+
     \dot{t})r =
  \begin{array}{l} r' - r \emptyset = 0 \\ r \emptyset = 0 \\ 0 \\ 0 \\ 0 \end{array}
     L(\emptyset) = \emptyset
L(\epsilon) = \{\epsilon\}
L(a) = \emptyset
     \{a\}, a \in \Sigma
L(rs) = 0
```

I(r)I(e)