

文件(F) 编辑(E) 搜索(S) 视图(V) 格式(M) 语言(L) 设置(T) 宏(O) 运行(R) 插件(P)



new 1

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1 S-> +SS | * SS | a
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3 1. predictive parser
4
5 transform
6 S -> +SS
7   | *SS
8   | a
9
10 -----
11 S -> aS'
12   | S'
13 S' -> +S'
14   | *S'
15   | SS
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21 2. Parsing table
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23 +*aaa
24
25 

| Stack  | INPUT |    | ACTION           |
|--------|-------|----|------------------|
| \$     | +*aaa | \$ | shift            |
| \$a    | +*aa  | \$ | reduce by S->a   |
| \$S    | +*aa  | \$ | shift            |
| \$SS   | +*a   | \$ | shift            |
| \$SSS  | +*    | \$ | shift            |
| \$*SSS | +     | \$ | reduce by S->*SS |
| \$SS   | +     | \$ | shift            |
| \$+SS  |       | \$ | reduce by S->+SS |
| \$S    |       | \$ | ACCEPT           |


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3. how to parse +\*aaa

$S \xRightarrow{lm} +SS \Rightarrow +*SSS \Rightarrow +*aSS \Rightarrow +*aaS \Rightarrow +*aaa$