

# 编译原理第2次作业

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## Exercise 2.1

Given the following grammar:

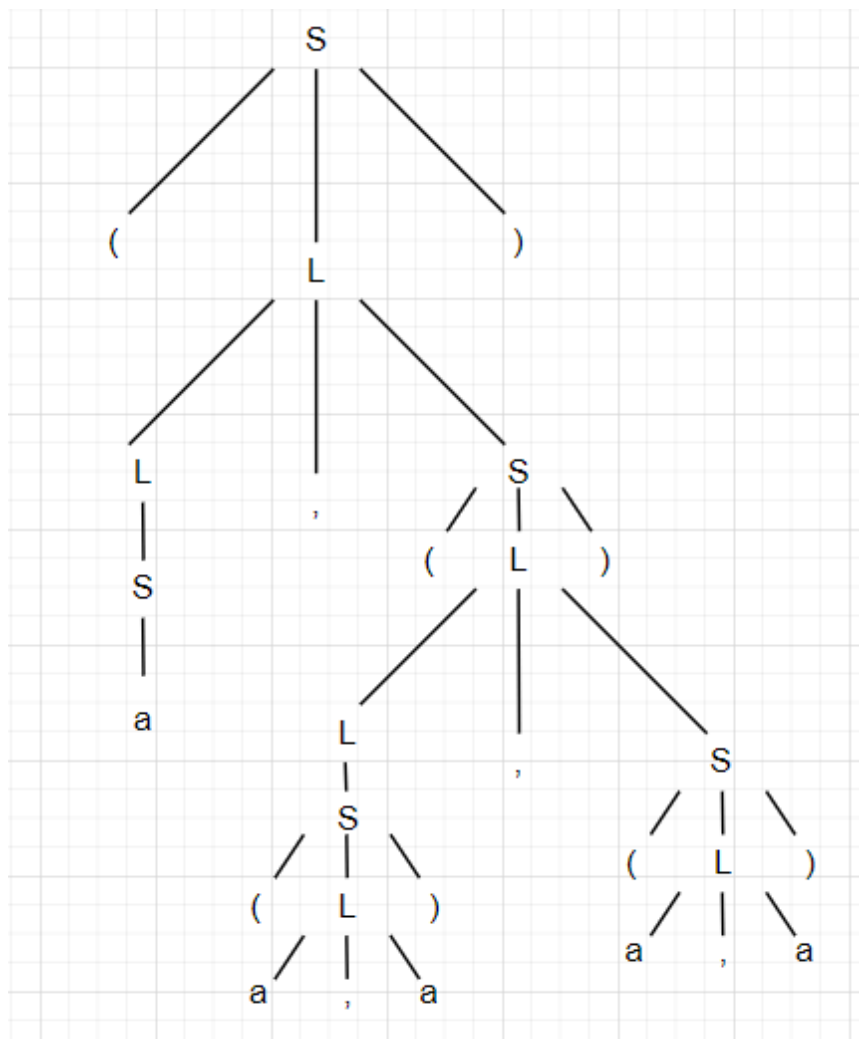
$$S \rightarrow (L)|a$$

$$L \rightarrow L, S|S$$

Construct a parse tree for the sentence

$$(a, ((a, a), (a, a)))$$

结果如下



## Exercise 2.2

Given the following grammar:

$$bexpr \rightarrow bexpr \text{ or } bterm | bterm$$
$$bterm \rightarrow bterm \text{ and } bfactor | bfactor$$
$$bfactor \rightarrow \text{not } bfactor | (bexpr) | \text{true} | \text{false}$$

Construct a parse tree for the sentence

*not(true or false)*

结果如下

