编译原理 第二次理论作业

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Given the following grammar:

S → (L) | **a**

L → L , S | S

Construct a parse tree for the sentence

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

Given the following grammar:

bexpr → bexpr **or** bterm | bterm
bterm → bterm **and** bfactor | bfactor
bfactor → **not** bfactor | **(** bexpr **)** | **true** | **false**

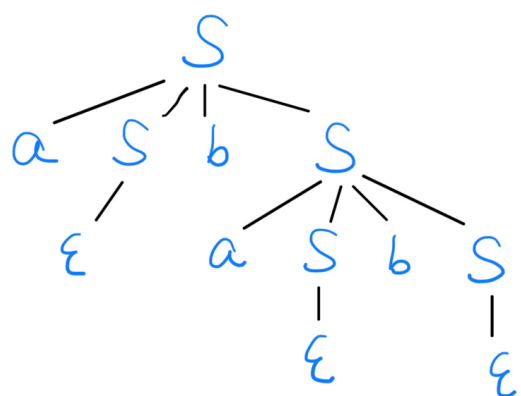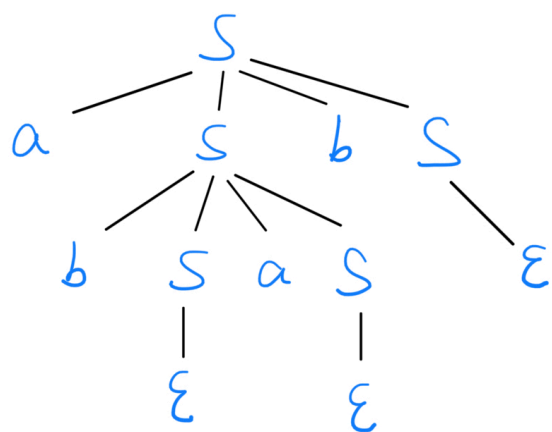Construct a parse tree for the sentence

not (true or false)
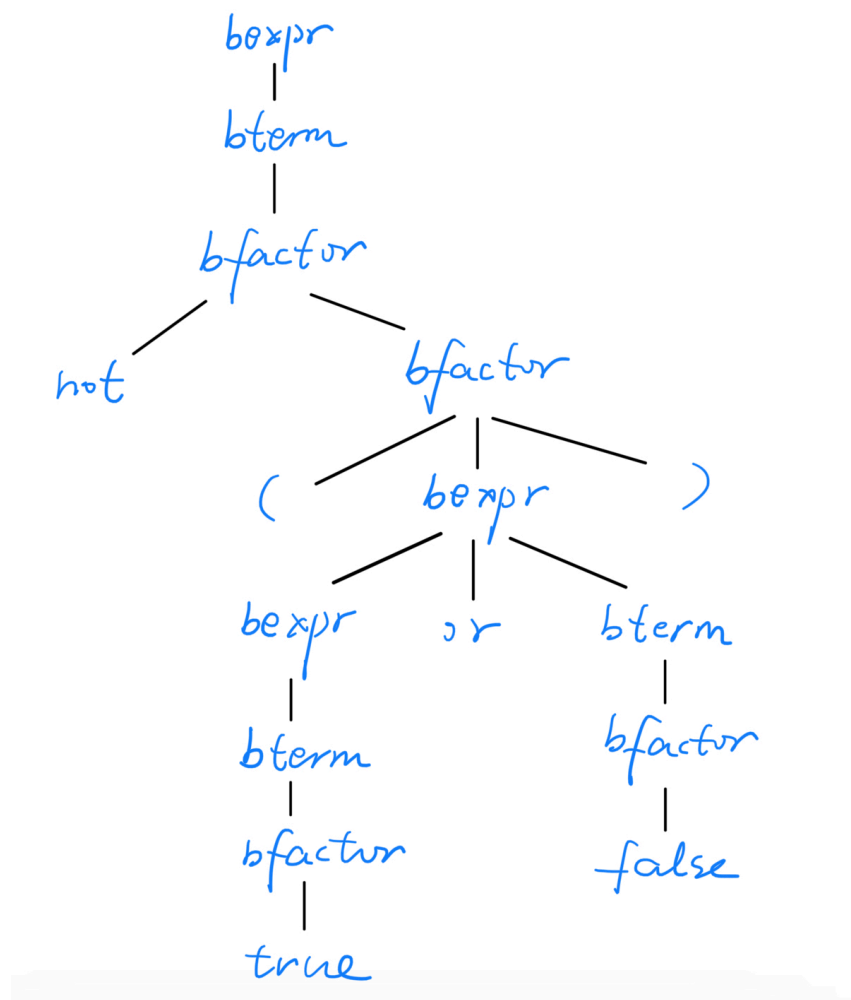
Is the grammar:

    $S \rightarrow aS\ b\ S\ |\ b\ S\ aS\ |\ \epsilon$

ambiguous? Why?

如下图,

对于abab有两种语法树，所以是具有二义性的。