Exercise 2.1

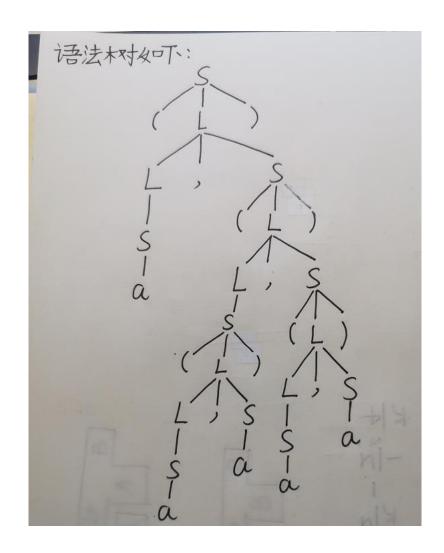
o Given the following grammar:

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

 $L \rightarrow L, S \mid S$

Construct a parse tree for the sentence (a, ((a, a), (a, a)))

答:



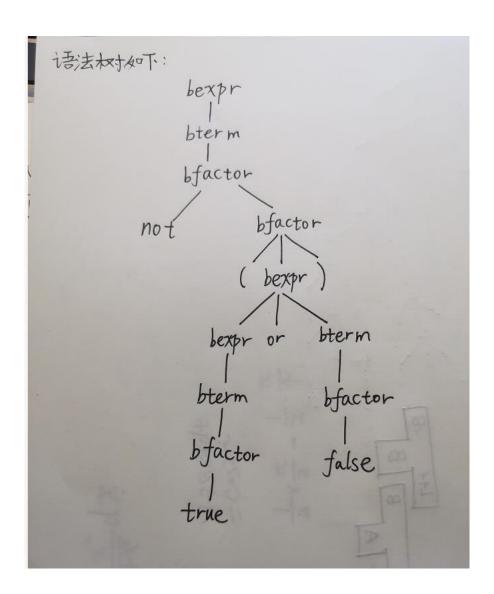
Exercise 2.2

o Given the following grammar:

```
bexpr 	o bexpr \ or \ bterm \ | \ bterm bterm 	o bterm \ or \ bfactor \ | \ bfactor \ | \ bfactor \ | \ true \ | \ false
```

Construct a parse tree for the sentence **not (true or false)**

答:



Exercise 2.3

o Is the grammar: $S \rightarrow a \ S \ b \ S \ | \ b \ S \ a \ S \ | \ \epsilon$ ambiguous? Why?

答:

