编译原理第2次作业

学号:

Exercise 2.1

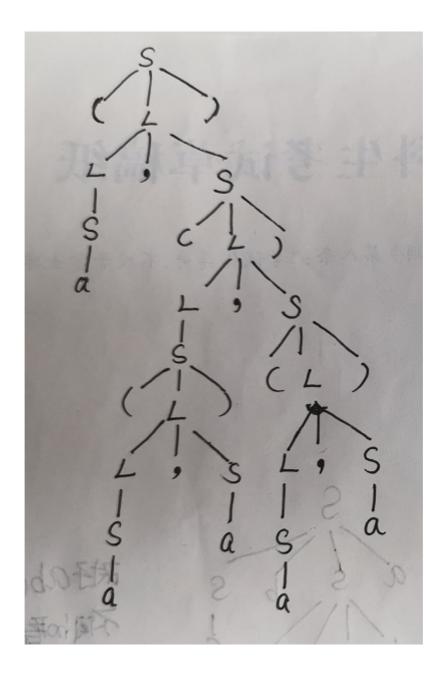
o Given the following grammar:

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

 $L \rightarrow L, S \mid S$

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

解:



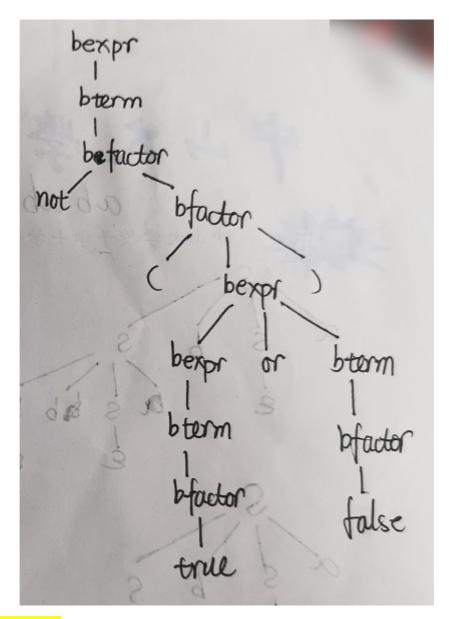
Exercise 2.2

Given the following grammar:

```
bexpr 	o bexpr \ or \ bterm \ | \ bterm bterm 	o bterm \ or \ bfactor \ | \ bfactor \ or \ bfactor \ or \ bfactor \ | \ bfac
```

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

解:



Exercise 2.3

Is the grammar:

S \rightarrow a S b S | b S a S | ϵ ambiguous? Why?

解:

