Honor Pledge

On my honor, I have neither given nor received any unauthorized aid on this quiz.

By typing your first and last name in the space provided below you are electronically signing to indicate that:

(1) You are the person who is taking this quiz.

(2) You read and understood the Honor Pledge and you agree to be bound by it.

Write your answer below:

Xinhao Luo

`Clear` `Use Most Recent Submission`

Questions 1-4 refer to the "Dangling `else`" grammar we discussed in class:

$$start \rightarrow stmt \ \$\$$$
$$stmt \rightarrow \texttt{if b then } stmt \ else\_part \mid \texttt{a}$$
$$else\_part \rightarrow \texttt{else } stmt \mid \epsilon$$

Question 1. (2pts) The grammar is ambiguous.

Select one:
- ○ false
- ● true

`Clear` `Use Most Recent Submission`

Question 2. (2pts) The grammar is LL(1).

Select one:
- ● false
- ○ true

`Clear` `Use Most Recent Submission`

Question 3. (2pts) How many parse trees for string `if b then a else if b then a`?

Select one:
- ● 1
- ○ 3
- ○ 2

`Clear` `Use Most Recent Submission`

Question 4. (2pts) Recall that there is a conflict in LL(1) table entry [$else\_part$, else] as both $else\_part \rightarrow \texttt{else } stmt$ and $else\_part \rightarrow \epsilon$ apply on token else. (Or in other words, else is in the PREDICT set of both productions.) How can you resolve the conflict, so that an else would associate with the nearest unmatched then?

(a) Always expand by $else\_part \rightarrow \texttt{else } stmt$ on else.

(b) Always expand by $else\_part \rightarrow \epsilon$ on else.

Select one:
- ● (a)
- ○ (b)

`Clear` `Use Most Recent Submission`

Question 5. (2pts) There exist unambiguous grammars that are not LL(1) grammars.

Select one:
- ○ false
- ● true

`Clear` `Use Most Recent Submission`

By clicking "Submit" you are confirming that you have read, understand, and agree to follow the Academic Integrity Policy.

`Submit`

Select Submission Version: | Version #1   GRADE THIS VERSION | `Do Not Grade This Assignment`

Note: This version of your assignment will be graded by the instructor/TAs and the score recorded in the gradebook.

	Autograding Total *(Without Hidden Points)*	
10 / 10	Autograding Total *(With Hidden Points)*	
	Test 1 Honor Pledge signature submission	Show Details
	Test 2 Question 1 submission	Show Details
	Test 3 Question 2 submission	Show Details
	Test 4 Question 3 submission	Show Details
	Test 5 Question 4 submission	Show Details
	Test 6 Question 5 submission	Show Details
2 / 2	**HIDDEN: Test 7 Question 1**	
2 / 2	**HIDDEN: Test 8 Question 2**	
2 / 2	**HIDDEN: Test 9 Question 3**	
2 / 2	**HIDDEN: Test 10 Question 4**	
2 / 2	**HIDDEN: Test 11 Question 5**	
	Test 12 Check Honor Pledge	Show Details
	Test 13 Check Time Limit	Show Details