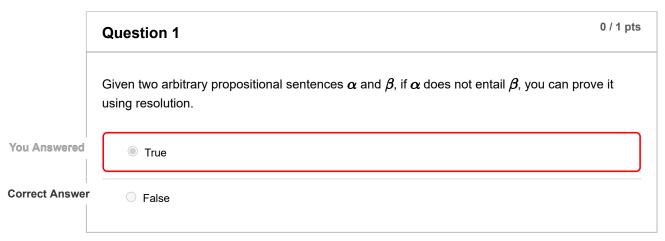
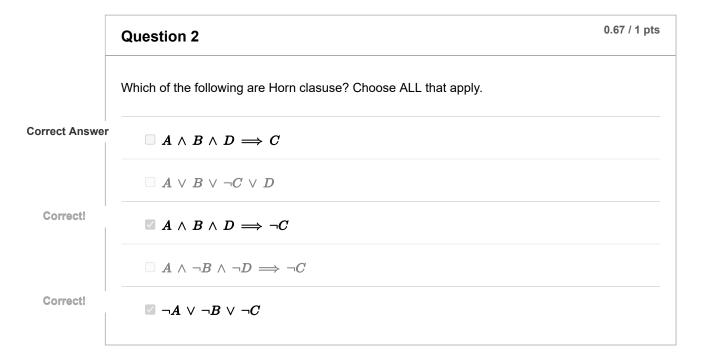
CS161 - Quiz 4 Results for ZHANG, CHARLES XIAN

Score for this quiz: **2.1** out of 4 Submitted Feb 24 at 7:01pm This attempt took 20 minutes.





Question 3

0.44 / 1 pts

For this question, you will need to convert a propositional sentence to Conjunction Normal Form (CNF).

Please fill in the blanks with symbols like "A" or "~A".

How to represent a CNF:

- For each blank below, you fill in either a positive literal like "A" or a negative literal like "~A". Negation is represented by "~".
- · It is possible that more blanks are provided than needed. If that's the case, fill in the blanks with "None".
- Important: Please follow the alphabetical order to sort <u>clauses</u> and <u>literals within a clause</u>.

Example:

Given the sentence $(\neg B \lor C) \land (\neg B \lor A) \land (C \land B \land F)$

your result should look like this:

(A ∨~B ∨ None ∨ None)

∧ (~B ∨ C ∨ None ∨ None)

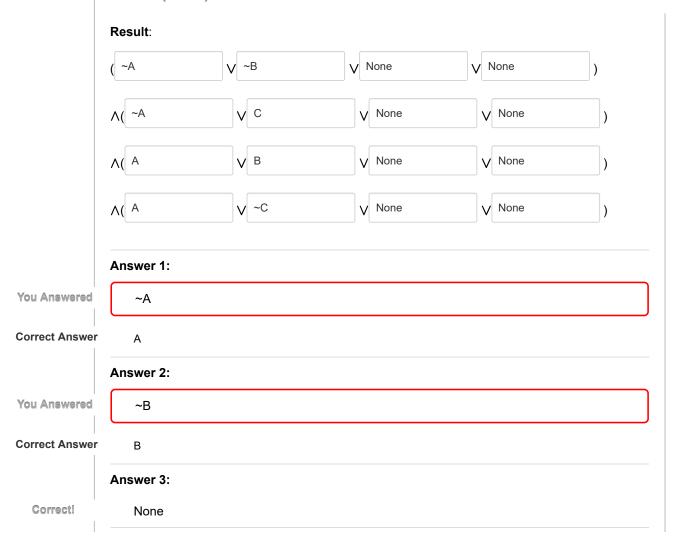
 \land (B \lor C \lor F \lor None)

∧ (None ∨ None ∨ None ∨ None)

- Note that here BC is considered ahead of BCF alphabetically, so the clause (~B ∨ C) will be before (B ∨ C ∨ F).
- If we have clauses (A v B) and (A v C), (A v B) will be before (A v C) because AB is alphabetically ahead of AC.

Convert the following sentence to CNF:

$$A \Leftrightarrow (B \Rightarrow C)$$



	Answer 4:
Correct!	None
	Answer 5:
You Answered	~A
Correct Answer	A
	Answer 6:
You Answered	С
Correct Answer	~C
	Answer 7:
Correct!	None
	Answer 8:
Correct!	None
	Answer 9:
You Answered	A
Correct Answer	~A
	Answer 10:
You Answered	В
Correct Answer	~B
	Answer 11:
You Answered	None
Correct Answer	С
	Answer 12:
Correct!	None
	Answer 13:
You Answered	A
Correct Answer	None
	Answer 14:
You Answered	~C

Correct Answer	None		
	Answer 15:		
Correct!	None		
	Answer 16:		
Correct!	None		

	Question 4	
	$lpha \models eta$ if and only if $lpha \models eta$ is satisfiable.	
	○ True	
Correct!	False	

Quiz Score: 2.1 out of 4