1. (6pts) Consider the statement

If chatGPT learns logic, then I'm out of a job and all hell breaks loose.

- a. Describe two distinctly different ways to interpret the expression above, based on the imprecision in our language (and lack of parentheses!). Which do you think that I meant?
- 1) The first interpretation could be that you being out of a job is a necessary condition for chatGPT to learn logic and all help breaks loose,
- 2) You being out of a job and all hell breaking loose will follow from chatGPT learning logic.
- I believe you meant the second interpretation.
 - b. Using the letters
 - i. C chatGPT learns logic
 - ii. J I'm out of a job
 - iii. H all hell breaks loose.

write the expression as a wff, using these statement letters (using your preferred interpretation from above).

(-> (JAH)

c. Negate your wff from above, and interpret in terms of the original expression.

-> Chat GPT leaves logic but either I don't losse my job or all heel will not break loose.

Well

1. (6pts) Consider the statement

If chatGPT learns logic, then I'm out of a job and all hell breaks loose.

a. Describe two distinctly different ways to interpret the expression above, based on the imprecision in our language (and lack of parentheses!). Which do you think that I meant? You could mean $A \rightarrow (B_{\Lambda}C)$, or You might mean $(A \rightarrow B)_{\Lambda}C$. I think you probably meant the second one. I am guessing (it's possible) all hell breaks loose because it's true that you lost your job $(A \rightarrow B)$ was true). But you could also mean chat GPT learning logic causes B and C; I don't think all hell breaking loose would be a consequence of chat GPT learning logic, on its own.

i. C - chatGPT learns logic

ii. J - I'm out of a job

iii. H – all hell breaks loose.

write the expression as a wff, using these statement letters (using your preferred interpretation from above).

(C → J) N H

c. Negate your wff from above, and interpret in terms of the original expression.

This would mean, chatGPT learning logic implies

You're not out of a job, or all hell doesn't break loose.

~/

of CAJ: CAJ () CAJ

1. (6pts) Consider the statement	ent	//0
If shotCDT learns lesis	than I'm out of a io	h and all hall brooks loose

If chatGPT learns logic, then I'm out of a job and all hell breaks loose.

a. Describe two distinctly different ways to interpret the expression above, based on the imprecision in our language (and lack of parentheses!). Which do you think that I meant?

1) this can be interpreted as if it is able to learn logic, then you at out of a job and as a result of losing your job, all hell breaks lose.

2) The second war this can be interpreted is it chatGPT learns logic, an touse out of sob, and as a result of ChatGPT learns logic, all hell breaks loose.

b. Using the letters

i. C – chatGPT learns logic

ii. J-I'm out of a job

iii. H-all hell breaks loose.

write the expression as a wff, using these statement letters (using your preferred interpretation from above).

pretation from above).

$$C \rightarrow (J \wedge H) \qquad J \cdot see yours as$$

$$1) (C \rightarrow J) \wedge (J \rightarrow H)$$

$$Dis is$$

$$2) (C \rightarrow J) \wedge (C \rightarrow H)$$
what J
what J
where J

- 2. (2pts) My slogan for the semester is "Education is not the filling of a pail, but the lighting of a fire." Let's talk about fire (and smoke):
 - a. Write the expression "where there's smoke there's fire" as an implication, using statement letters S and F.

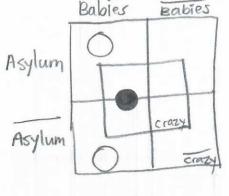


b. Is this the same as "Fire is a necessary condition for smoke?"



- 3. (2pts) You know that my favorite syllogism of Lewis Carroll is about babies:
 - a. Babies are crazy;
 - b. Crazy people should be in an asylum.

Set up Carroll's game board, and indicate the position of the grey and red counters for the first premise: "Babies are crazy".



"Babies are crazy"
(all)

Nice