Instructions:

a) Identify if the statement is a logical conjunction, negation or both. If it isn’t either of these two, mark it as being atomic.
b) If the statement is compound, separate the sentence into its independent statements and connect them into one long statement using ‘and’ and ‘it is not the case that’, filling in the pronouns for clarity.
c) Assign a capital letter to represent each independent statement.
d) Using only the capital letters from c) and the ampersand symbol (&), and the tilde (~), rewrite b).

Example Problem:
Both Seth and Trevor went to college.
Example Answer:
Seth went to college, and Trevor went to college.
Let S = “Seth went to college.”
Let T = “Trevor went to college.”
S & T.

Example Problem:
Regis did not remember to button his fly before walking on set.
Example Answer:
It is not the case that Regis remembered to button Regis’s fly before walking on set.
Let R = “Regis remembered to button Regis’s fly before walking on set.”
~R.

1. People aren’t concerned about the CIA.
   It is not the case that people are concerned about the CIA.
   C = “People are concerned about the CIA.”
   ~C

2. There is no way that no one went to Oscar’s party.
   It is not the case that it is not the case that someone went to Oscar’s party.”
   P = “Someone went to Oscar’s party.”
   ~~P

3. The teacher’s presentation today was unremarkable.
   It is not the case that the teacher’s presentation today was remarkable.
   R = “The teacher’s presentation today was remarkable.”
   ~R

4. My shoelaces have unraveled.
   X = “My shoelaces have unraveled.”
   X

5. Wearing Tool shirts does not mean that the person wearing them is a geek.
   It is not the case that wearing Tool shirts means that the person wearing them is a geek.
W = “Wearing Tool shirts means that the person wearing them is a geek.”
~W

6. I cannot understand why you said such a thing.
   It is not the case that I can understand why you said such a thing.
   U = “I can understand why you said such a thing.”
   ~U

7. People cannot live without food.
   It is not the case that people can live without food.
   P = “People can live without food.”
   ~P

8. He thinks you shouldn’t do that.
   S = “He thinks you shouldn’t do that.”
   S

9. The detectives did not uncover the truth in time for the trial.
   It is not the case that the detectives did uncover the truth in time for the trial.
   D = “The detectives did uncover the truth in time for the trial.”
   ~D

10. Students can never take ten courses in one semester.
    It is not the case that students can take ten courses in one semester.
    S = “Students can take ten courses in one semester.”
    ~S