Part B. Analyze each of the following arguments in two stages. (1) First, use the suggested capital letters to abbreviate the <u>simple</u> sentences of the argument. This results in a <u>partial symbolization</u> consisting of capital letters connected by English operator expressions. (2) Next, finish symbolizing the arguments by replacing the English operator expressions by the symbolic connectives. Write the two results side by side for comparison. (3) <u>Optional</u>: In your <u>opinion</u>, is the argument valid or invalid?

	English argument	partial	complete

1. If George or Liz went to the party, then Tom and Susan were upset. Liz, as it turned out, didn't go, but Tom and Susan were still upset. Therefore, George did indeed go to the party. (G, L, T, S)
   Argument is: _____

2. If Al isn't singing then Bo isn't dancing. Either Bo or Clyde is dancing. So, if Clyde is not dancing then Al is singing. (A, B, C)
   Argument is: _____

3. The orchestra won't play both Stravinski and Mozart tonight. They will, as we know, play Mozart tonight. We must conclude, therefore, that they will not play Stravinski tonight. (M, S)
   Argument is: _____

4. It is not true that both you can't go on the kiddie rides and also you can't go on the adult rides. You, naturally, can't go on the kiddie rides. Therefore, you can go on the adult rides. (K, A)
   Argument is: _____

5. His driving license won't have been revoked if he hasn't violated the law. But he must have violated the law, because his license has been revoked. (R, V) Argument is: _____ [Note: "because"]

6. If this school is to survive, it must increase its tuition (in order to offset expenses). But, if this school is to survive, it can't increase its tuition (so as to remain competitive). So, this school is definitely not going to survive. (S, I)
   Argument is: _____

7. If this creature doesn't have teeth, then it does not bite. Ouch! Well, it is not the case that it doesn't bite. So, it is not the case that it doesn't have teeth. (T, B)　Argument is: _____

8. They won the battle, and it is false that they did
    not win the war. So, they did win the war, and it
    is not true that they didn't win the battle. (B, W)
    Argument is: _____   _____ _____

9. If some number N is the largest possible number,
    then both N is the largest possible number (by
    hypothesis) and N is not the largest possible   _____ _____
    number (since you can add 1 to it). So, it's false
    that some number N is the largest possible   _____ _____
    number. (L)   Argument is: _____

10. Paris, London, or Rome will host the Wine
    Convention this year. If Paris does, then French   _____ _____
    wines will win. If London does, then British wines   _____ _____
    will win. If Rome does, then Italian wines will win. _____ _____
    British wines will not win this year. So, either   _____ _____
    French wines or Italian wines will win this year.   _____ _____
    (P, L, R, F, B, I)   Argument is: _____   _____ _____