THE TARDY BUS PROBLEM

Given the following three statements as premises:

1.   If Bill takes the bus, then Bill misses his appointment, if the bus is late.
2.   Bill shouldn't go home, if (a) Bill misses his appointment, and (b) Bill feels downcast.
3.   If Bill doesn't get the job, then (a) Bill feels downcast, and (b) Bill should go home.

is it valid to conclude: YES   NO

Q1   that if Bill takes the bus, then Bill does get the job, if the bus is late?   ____   ____

Q2   that Bill does get the job, if (a) Bill misses his appointment, and (b) Bill
        should go home?   ____   ____

Q3   that if the bus is late, then (a) Bill doesn't take the bus, or Bill doesn't
        miss his appointment, if (b) Bill doesn't get the job?   ____   ____

Q4   that Bill doesn't take the bus, if (a) the bus is late, and (b) Bill doesn't
        get the job?   ____   ____

Q5   that if Bill doesn't miss his appointment, then (a) Bill shouldn't go home,
        and (b) Bill doesn't get the job?   ____   ____

Q6   that Bill feels downcast, if (a) the bus is late, or (b) Bill misses his
        appointment?   ____   ____

Q7   that if Bill does get the job, then (a) Bill doesn't feel downcast, or (b)
        Bill shouldn't go home?   ____   ____

Q8   that if (a) Bill should go home, and Bill takes the bus, then (b) Bill
        doesn't feel downcast, if the bus is late?   ____   ____