Part B. Give deductions for the following arguments, use as many blanks as you need. These are a bit harder.

(1)
1. ~\((A \& B)\)  Prem
2. \(A\)  Prem
3. \(\sim B \supset D\)  Prem \(\therefore\) D

(2)
1. ~\((G \& \sim(\sim H))\)  Prem
2. \(\sim H \supset D\)  Prem \(\therefore\) G \(\supset\) D

(3)
1. \(\sim L\)  Prem
2. \(\sim N\)  Prem

3. \(\therefore\) \(\sim (L \lor N) \lor Q\)

(4)
1. \(K \lor M\)  Prem
2. \(\sim M\)  Prem

3. \(\therefore\) \(\sim (\sim K \lor M)\)

(5)
1. \(\sim R \lor \sim S\)  Prem
2. \(\sim R \lor S\)  Prem \(\therefore\) \(\sim R\)

(6)
1. \(F \supset (G \& A)\)  Prem
2. \((\sim G) \& M\)  Prem \(\therefore\) \(\sim F\)

(7)
1. \(F \supset A\)  Prem
2. \(G \& \sim A\)  Prem \(\therefore\) \(\sim F \lor X\)

(8)
1. \(S \supset \sim M\)  Prem
2. \(M \lor T\)  Prem

3. \(\therefore\) \(\sim S\)