1. $\vdash \Big(\{Q \supset [(R \wedge T) \vee (S \vee L)]\} \supset \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\} \Big) \vee \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\}$

2. $\vdash \neg \Big[\neg \Big(\{Q \supset [(R \wedge T) \vee (S \vee L)]\} \supset \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\} \Big) \wedge \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \Big]$

3. $\neg \Big(\{Q \supset [(R \wedge T) \vee (S \vee L)]\} \supset \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\} \Big) \wedge \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $\neg \Big(\{Q \supset [(R \wedge T) \vee (S \vee L)]\} \supset \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\} \Big) \wedge \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

4. $\neg \Big(\{Q \supset [(R \wedge T) \vee (S \vee L)]\} \supset \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\} \Big), \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $\neg \Big(\{Q \supset [(R \wedge T) \vee (S \vee L)]\} \supset \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\} \Big), \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

5. $Q \supset [(R \wedge T) \vee (S \vee L)], \neg \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\}, \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $Q \supset [(R \wedge T) \vee (S \vee L)], \neg \{[(T \wedge M) \supset (R \supset M)] \vee [(Q \wedge Q) \supset (Q \wedge S)]\}, \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

6. $Q \supset [(R \wedge T) \vee (S \vee L)], \neg [(T \wedge M) \supset (R \supset M)], \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $Q \supset [(R \wedge T) \vee (S \vee L)], \neg [(T \wedge M) \supset (R \supset M)], \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

7. $Q \supset [(R \wedge T) \vee (S \vee L)], T \wedge M, \neg (R \supset M), \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $Q \supset [(R \wedge T) \vee (S \vee L)], T \wedge M, \neg (R \supset M), \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

8. $Q \supset [(R \wedge T) \vee (S \vee L)], T, M, \neg (R \supset M), \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $Q \supset [(R \wedge T) \vee (S \vee L)], T, M, \neg (R \supset M), \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

9. $Q \supset [(R \wedge T) \vee (S \vee L)], T, M, R, \neg M, \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash Q$

   $Q \supset [(R \wedge T) \vee (S \vee L)], T, M, R, \neg M, \neg [(Q \wedge Q) \supset (Q \wedge S)], \neg \{[(Z \vee R) \vee (Y \wedge P)] \vee \neg W\} \vdash \neg Q$

10. $M \vdash M$

    $\neg M \vdash \neg M$