

1.

 $\top \neg P \wedge (P \vee Q) \checkmark$

Assumption

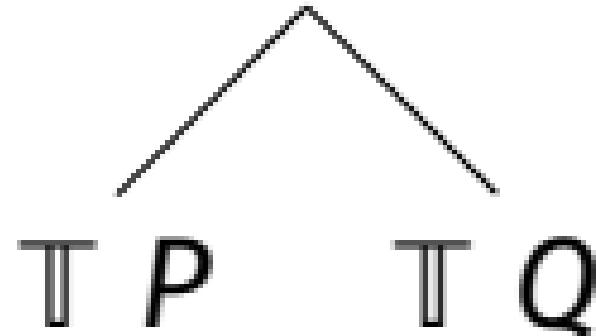
2.

 $\top \neg P \checkmark$ $\wedge \top 1$

3.

 $\top P \vee Q \checkmark$ $\wedge \top 1$

4.

 $\mathbb{F} P$ $\neg \top 2$ 

5.