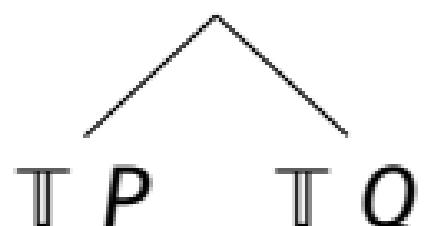


1.  $\top ((P \vee Q) \wedge \neg P) \wedge \neg Q$   
 2.  $\top (P \vee Q) \wedge \neg P$   $\wedge\top 1$   
 3.  $\top \neg Q$   $\wedge\top 1$   
 4.  $\top P \vee Q$   $\wedge\top 2$   
 5.  $\top \neg P$   $\wedge\top 2$   
 6.  $\mathbb{F} P$   $\neg\top 5$   
 7.  $\mathbb{F} Q$   $\neg\top 3$
- 
8.  $\top P$   $\top Q$   $v\top 4$