

1.	$\top P \rightarrow Q$ ✓	Assumption
2.	$\top Q \rightarrow R$ ✓	Assumption
3.	$\top \neg R$ ✓	Assumption
4.	$\mathbb{F} \neg P$ ✓	Assumption
5.	$\mathbb{F} R$	$\neg \top 3$
6.	$\top P$	$\neg \mathbb{F} 4$
7.	$\mathbb{F} Q$ $\top R$	$\rightarrow \top 2$
8.	$\mathbb{F} P$ $\top Q$	$\rightarrow \top 1$