

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.	$\top P$	$\neg \mathbb{F} 4$
	<pre> graph TD A["top P"] --> B["bottom Q"] A --> C["top R"] C --- D["X"] B --> E["bottom P"] B --> F["top Q"] E --- G["X"] F --- H["X"] </pre>	
7.	$\mathbb{F} Q$ $\top R$	$\rightarrow \top 2$
		X
8.	$\mathbb{F} P$ $\top Q$	$\rightarrow \top 1$
	X X	