

1.

$\top P \rightarrow Q \checkmark$

Assumption

2.

$\mathbb{F} (P \vee R) \rightarrow Q \checkmark$

Assumption

3.

$\top P \vee R \checkmark$

 $\rightarrow \mathbb{F} 2$

4.

$\mathbb{F} Q$

 $\rightarrow \mathbb{F} 2$

5.

$\top P$

$\top R$

 $\vee \top 3$

6.

$\mathbb{F} P$

$\top Q$

$\mathbb{F} P$

$\top Q$

 $\rightarrow \top 1$