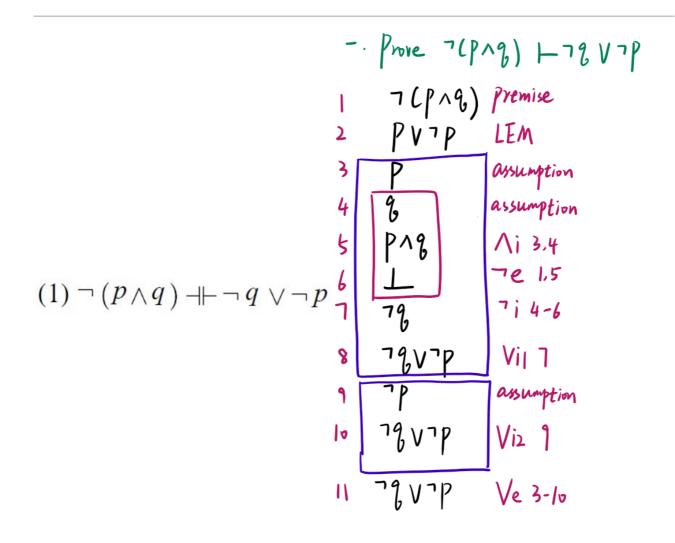
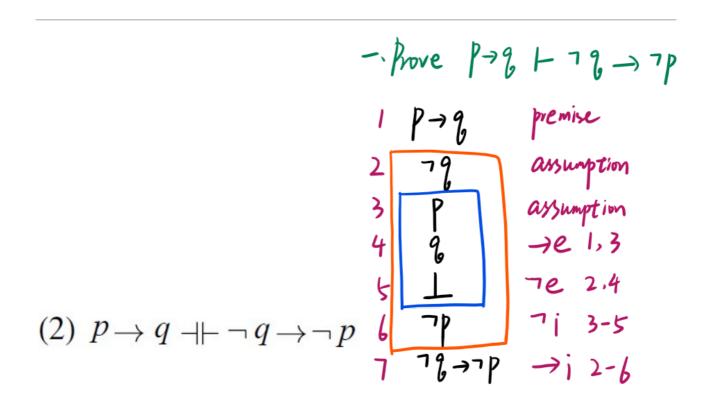
计算机逻辑基础第一次作业 10205101530-赵晗 瑜

(1)



(2)



=. Prove 73->7P + P-> 3

179
$$\rightarrow$$
 7 Premise
2 P assumption
3 79 Assumption
4 79 \rightarrow 2 1.3
5 1 9 PBC 3-5
7 P-9 \rightarrow 1 2-6

- Prove PAQ -> P + rv7r

$$(2) \ p \rightarrow q + \neg q \rightarrow \neg p$$

(3)

1
$$P \land q \rightarrow P$$
 Premise
2 $Y \lor 7Y$ LEM
5. Prove $Y \lor 7Y$ $\vdash P \land q \rightarrow P$
1 $Y \lor 7Y$ Premise
3 $P \land q \rightarrow P \dashv \vdash r \lor \neg r$ 2 $P \land q$ assumption
3 P $\land e_1 \lor 2$
4 $P \land q \rightarrow P$ $\rightarrow 1$ $2 \cdot 3$