

4번 문제

$$a. L \wedge M \Rightarrow p$$

$$B \wedge L \Rightarrow M$$

$$A \wedge B \Rightarrow L$$

$$p \Rightarrow Q$$

A

B

A

B

$$\therefore A \wedge B \text{ (결합)}$$

$$A \wedge B \Rightarrow L$$

$$A \wedge B$$

$$\therefore L \text{ (Modus Ponens)}$$

B

L

$$\therefore B \wedge L \text{ (결합)}$$

$$B \wedge L \Rightarrow M$$

$$B \wedge L$$

$$\therefore M \text{ (Modus Ponens)}$$

$\vdash Q$

L

M

$$\therefore L \wedge M \text{ 결합}$$

$$L \wedge M \Rightarrow p$$

$$L \wedge M$$

$$\therefore p \text{ (Modus Ponens)}$$

p

$$p \Rightarrow Q$$

$$\therefore Q \text{ (Modus Ponens)}$$