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1 exercise9 Theory

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1.1 Theorems

[absorptionRule]

$$\vdash \forall p \ q. \ (p \Rightarrow q) \Rightarrow p \Rightarrow p \wedge q$$

[absorptionRule2]

$$\vdash \forall p \ q. \ (p \Rightarrow q) \Rightarrow p \Rightarrow p \wedge q$$

[constructiveDilemmaRule]

$$\vdash \forall p \ q \ r \ s. \ (p \Rightarrow q) \wedge (r \Rightarrow s) \Rightarrow p \vee r \Rightarrow q \vee s$$

[constructiveDilemmaRule2]

$$\vdash \forall p \ q \ r \ s. \ (p \Rightarrow q) \wedge (r \Rightarrow s) \Rightarrow p \vee r \Rightarrow q \vee s$$

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