Example 1

$$\dfrac{\text{Premise 1} \qquad \text{Premise 2} \qquad \text{Premise 3}}{\text{Conclusion}}\ \text{Rule name}$$

Example 2

$$\dfrac{\dfrac{\dfrac{}{\Gamma \vdash p \to q}\ \text{ax} \qquad \dfrac{\dfrac{}{\Gamma \vdash p \wedge \neg q}\ \text{ax}}{\Gamma \vdash p}\ \wedge_e^l}{\Gamma \vdash q}\ \to_e \qquad \dfrac{\dfrac{}{\Gamma \vdash p \wedge \neg q}\ \text{ax}}{\Gamma \vdash \neg q}\ \wedge_e^r}{p \to q, p \wedge \neg q \vdash \bot}\ \neg_e$$

$$\dfrac{p \to q, p \wedge \neg q \vdash \bot}{p \to q \vdash \neg(p \wedge \neg q)}\ \neg_i$$

$$\dfrac{p \to q \vdash \neg(p \wedge \neg q)}{\vdash (p \to q) \to \neg(p \wedge \neg q)}\ \to_i$$

Example 3

$$\dfrac{\text{Premisse 1}}{\Gamma}\ \text{Rule}$$

$$\dfrac{\text{Premisse} \quad \text{Premisse} \quad \text{Premisse} \quad \text{Premisse}}{\Gamma}\ \text{Rule}$$

$$\dfrac{\text{Premisse}}{\text{Conclusion} \quad \text{Conclusion} \quad \text{Conclusion} \quad \text{Conclusion} \quad \text{Conclusion}}\ \text{Rule}$$

Example 4

$$\dfrac{\text{Premisse}\ \dfrac{\dfrac{a}{b}}{c}}{\Gamma\ \dfrac{a}{b}}\ \text{Rule}$$

Example 5 : without names

$$\dfrac{\text{Premisse}\ a}{\Gamma a}$$

$$\dfrac{\text{Premisse} \quad \text{Premisse} \quad \text{Premisse} \quad \text{Premisse}}{\Gamma}$$

$$\dfrac{\text{Premisse}}{\text{Conclusion} \quad \text{Conclusion} \quad \text{Conclusion} \quad \text{Conclusion} \quad \text{Conclusion}}$$

Example 6 : long names

$$\dfrac{\dfrac{\dfrac{}{\Gamma \vdash p \to q}\ \text{aaaaaaaa} \qquad \dfrac{\dfrac{}{\Gamma \vdash p \wedge \neg q}\ \text{aaaaaaaa}}{\Gamma \vdash p}\ \text{aaaaaaaaaaaaaaaaaaaaaaaa}}{\Gamma \vdash q}\ \text{aaaaaaaaaaaaaaaaa} \qquad \dfrac{\dfrac{}{\Gamma \vdash p \wedge \neg q}\ \text{aaaaaaaa}}{\Gamma \vdash \neg q}\ \text{aaaaaaaa}}{p \to q, p \wedge \neg q \vdash \bot}\ \text{aaaaaaaa}$$

$$\dfrac{p \to q, p \wedge \neg q \vdash \bot}{p \to q \vdash \neg(p \wedge \neg q)}\ \text{aaaaaaaa}$$

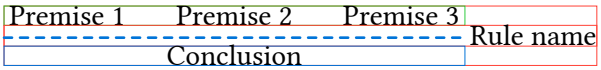
$$\dfrac{p \to q \vdash \neg(p \wedge \neg q)}{\vdash (p \to q) \to \neg(p \wedge \neg q)}\ \text{aaaaaaaa}$$

$$\dfrac{\text{Premise 1} \qquad \text{Premise 2} \qquad \text{Premise 3}}{\text{Conclusion}}\ \text{Rule name Rule name Rule name}$$

Differente Stroke

$$\dfrac{\text{Premise 1} \qquad \text{Premise 2} \qquad \text{Premise 3}}{\text{Conclusion}}\ \text{Rule name}$$

$$\dfrac{\text{Premise 1} \qquad \text{Premise 2} \qquad \text{Premise 3}}{\text{Conclusion}}\ \text{Rule name}$$


Premise 1
Premise 2
Premise 3
Rule name
Conclusion