REGOLE DEL CALCOLO DEI SEQUENTI

$$\text{ax-id} \atop \Gamma, \text{pr}, \Gamma' \vdash \Delta, \text{pr}, \Delta'$$

$$\text{ax-}\bot \atop \Gamma, \bot, \Gamma' \vdash \nabla$$

$$\text{ax-}\top \atop \Gamma \vdash \nabla, \top, \nabla'$$

$$\frac{\Sigma, \Gamma, \Theta, \Gamma', \Delta \vdash \Sigma'}{\Sigma, \Gamma', \Theta, \Gamma, \Delta \vdash \Sigma'} \; \text{sc}_{\text{sx}}$$

$$\frac{\Gamma \vdash \Sigma, \Delta, \Theta, \Delta', \nabla}{\Gamma \vdash \Sigma, \Delta', \Theta, \Delta, \nabla} \; \text{sc}_{\text{dx}}$$

$$\frac{\Gamma \vdash \text{pr}_1, \Delta \quad \Gamma \vdash \text{pr}_2, \Delta}{\Gamma \vdash (\text{pr}_1) \& (\text{pr}_2), \Delta} \; \& - \text{D}$$

$$\frac{\Gamma, \text{pr}_1, \text{pr}_2 \vdash \Delta}{\Gamma, (\text{pr}_1) \& (\text{pr}_2) \vdash \Delta} \; \& - \text{S}$$

$$\frac{\Gamma \vdash \text{pr}_1, \text{pr}_2, \Delta}{\Gamma \vdash (\text{pr}_1) \vee (\text{pr}_2), \Delta} \; \vee - \text{D}$$

$$\frac{\Gamma, \text{pr}_1 \vdash \Delta \quad \Gamma, \text{pr}_2 \vdash \Delta}{\Gamma, (\text{pr}_1) \vee (\text{pr}_2) \vdash \Delta} \; \vee - \text{S}$$

$$\frac{\Gamma, \text{pr}_1 \vdash \Delta}{\Gamma \vdash \neg(\text{pr}_1), \Delta} \; \neg - \text{D}$$

$$\frac{\Gamma \vdash \text{pr}_1, \Delta}{\Gamma, \neg(\text{pr}_1) \vdash \Delta} \; \neg - \text{S}$$

$$\frac{\Gamma, \text{pr}_1 \vdash \text{pr}_2, \Delta}{\Gamma \vdash (\text{pr}_1) \rightarrow (\text{pr}_2), \Delta} \; \rightarrow - \text{D}$$

$$\frac{\Gamma \vdash \text{pr}_1, \Delta \quad \Gamma, \text{pr}_2 \vdash \Delta}{\Gamma, (\text{pr}_1) \rightarrow (\text{pr}_2) \vdash \Delta} \; \rightarrow - \text{S}$$