REGOLE DEL CALCOLO DEI SEQUENTI

$$\begin{matrix} \text{ax-id} \\ \Gamma, \text{pr}, \Gamma' \vdash \Delta, \text{pr}, \Delta' \end{matrix}$$

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

$$\begin{array}{ccc} \operatorname{ax-}\bot & \operatorname{ax-}\top & & & & & & \\ \Gamma,\bot,\Gamma'\vdash\nabla & & & & & & & & & & & \\ \end{array}$$

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

$$\frac{\Gamma \vdash \Sigma, \Delta, \Theta, \Delta', \nabla}{\Gamma \vdash \Sigma, \Delta', \Theta, \Delta, \nabla} \stackrel{\mathrm{Sc}_{dx}}{\longrightarrow}$$

$$\frac{\Gamma \vdash \mathtt{pr_1}, \Delta \quad \Gamma \vdash \mathtt{pr_2}, \Delta}{\Gamma \vdash (\mathtt{pr_1}) \& (\mathtt{pr_2}), \Delta} \ \& - D$$

$$\frac{\Gamma, \mathtt{pr_1}, \mathtt{pr_2} \vdash \Delta}{\Gamma, (\mathtt{pr_1}) \& (\mathtt{pr_2}) \vdash \Delta} \ \& - \mathrm{S}$$

$$\frac{\Gamma \vdash \mathtt{pr_1}, \mathtt{pr_2}, \Delta}{\Gamma \vdash (\mathtt{pr_1}) \lor (\mathtt{pr_2}), \Delta} \lor - D$$

$$\frac{\Gamma, \mathtt{pr_1} \vdash \Delta \quad \Gamma, \mathtt{pr_2} \vdash \Delta}{\Gamma, (\mathtt{pr_1}) \lor (\mathtt{pr_2}) \vdash \Delta} \lor -S$$

$$\frac{\Gamma, \mathtt{pr_1} \vdash \Delta}{\Gamma \vdash \neg (\mathtt{pr_1}), \Delta} \neg - D$$

$$\frac{\Gamma \vdash \mathtt{pr_1}, \Delta}{\Gamma, \neg (\mathtt{pr_1}) \vdash \Delta} \neg - S$$

$$\frac{\Gamma, \mathtt{pr_1} {\vdash} \mathtt{pr_2}, \Delta}{\Gamma {\vdash} (\mathtt{pr_1}) {\rightarrow} (\mathtt{pr_2}), \Delta} \rightarrow - D$$

$$\frac{\Gamma \vdash \mathtt{pr_1}, \Delta \quad \Gamma, \mathtt{pr_2} \vdash \Delta}{\Gamma, (\mathtt{pr_1}) \rightarrow (\mathtt{pr_2}) \vdash \Delta} \rightarrow -S$$