

$\vdash ((\varphi \rightarrow \psi) \rightarrow \varphi) \rightarrow \varphi$

$$\frac{\frac{\frac{\frac{[\varphi]^u}{\vdash} \quad [\neg\varphi]^v}{(\neg e)}{\vdash} \quad \varphi}{\varphi} (\neg e)}{\varphi \rightarrow \psi} (\rightarrow i) u}{\varphi} (\leftrightarrow e) \quad \frac{[\neg\varphi]^v}{(\neg e)} \quad \frac{\vdash}{\varphi} (PBC) \sigma}{\varphi} (\rightarrow i) w$$

clássica