$$\frac{\overline{\neg(A \lor \neg A)}^{1} \overline{A}^{0}}{\frac{\bot}{\neg A}^{0 \neg I}} \neg E$$

$$\frac{\overline{A} \lor \neg A}{A \lor \neg A}^{1} \xrightarrow{\text{RAA}} \nabla \Gamma_{r}$$