$$\frac{p,s; \stackrel{p}{\vdash} p,t;q,r}{p,s; \stackrel{p}{\vdash} (p \lor t);q,r} R \lor_{+} \underbrace{\frac{q;p,s \stackrel{q}{\vdash} q,r; \qquad r;p,s \stackrel{r}{\vdash} q,r;}{(q \lor r);p,s \stackrel{r}{\vdash} q,r;}_{(q \lor r)} L \lor_{+}}_{(q \lor r);p,s \stackrel{p}{\vdash} q,r;} L \lor_{+} \underbrace{\frac{((p \lor t) \to (q \lor r));p,s \stackrel{p}{\vdash} q,r;}{(p \to (q \lor r))}}_{(p \to (q \lor r));p,\neg(r),s \stackrel{p}{\vdash} q;} L \neg_{-} \underbrace{\frac{((p \lor t) \to (q \lor r));\neg(q),p,\neg(r),s \stackrel{p}{\vdash} q;}{(p \to (q \lor r))}}_{(p \to (q \lor r))} L \neg_{-} \underbrace{\frac{((p \lor t) \to (q \lor r));(\neg(r) \land s),\neg(q),p \stackrel{p}{\vdash} ;}{(p \to (q \lor r))}}_{(p \to (q \lor r));} L \land_{-} \underbrace{\frac{((p \lor t) \to (q \lor r));(\neg(r) \land s),\neg(q),p \stackrel{p}{\vdash} ;}{(p \to (q \lor r))}}_{(p \to (q \lor r));} R \rightarrow_{+} \underbrace{((p \lor t) \to (q \lor r));(\neg(r) \land s) \stackrel{p}{\vdash} (\neg(q) \to \neg(p));}_{(p \to (q \lor r))} R \rightarrow_{+} \underbrace{((p \lor t) \to (q \lor r));(\neg(r) \land s) \to (\neg(q) \to \neg(p));}_{(p \to (q \lor r))} R \rightarrow_{+} \underbrace{((p \lor t) \to (q \lor r));(\neg(r) \land s) \to (\neg(q) \to \neg(p)));}_{(p \to (q \lor r))}$$