$$\cfrac{\cfrac{[](w); m, w \overset{\top}{\vdash} m; \qquad [](w); m, w \overset{\top}{\vdash} w;}{\cfrac{[](w); m, w \overset{(\top \wedge \top)}{\vdash} (m \wedge w);}{\cfrac{[](w); (m \wedge w) \overset{(\top \wedge \top)}{\vdash} (m \wedge w);}{[](w); \overset{(\top \wedge \top)}{\vdash} ((m \wedge w) \to (m \wedge w));} R \to_+} L \wedge_-} R \wedge_+}$$