$$\frac{ [](w); m, w \stackrel{\intercal}{\vdash} m; \qquad [](w); m, w \stackrel{\intercal}{\vdash} w;}{[](w); m, w \stackrel{\intercal}{\vdash} m;} R \wedge_{+}$$

$$\frac{ [](w); m, w \stackrel{(\uparrow \wedge \uparrow \uparrow)}{\vdash} (m \wedge w);}{[](w); (m \wedge w) \stackrel{(\uparrow \wedge \uparrow \uparrow)}{\vdash} (m \wedge w);} L \wedge_{-}$$

$$\frac{ [](w); (m \wedge w) \stackrel{(\uparrow \wedge \uparrow \uparrow)}{\vdash} (m \wedge w);}{[](w); \stackrel{(\uparrow \wedge \uparrow \uparrow)}{\vdash} ((m \wedge w) \rightarrow (m \wedge w));} R \rightarrow_{+}$$