$$[\![\mathbf{w}, f(x_1, \cdots, x_n) > 0]\!] := f\big(\mathbf{w}(0)(x_1), \cdots, \mathbf{w}(0)(x_n)\big)$$

$$[\![\mathbf{w}, \bot]\!] := -\infty \qquad [\![\mathbf{w}, \neg\varphi]\!] := -[\![\mathbf{w}, \varphi]\!]$$

$$[\![\mathbf{w}, \varphi_1 \wedge \varphi_2]\!] := [\![\mathbf{w}, \varphi_1]\!] \sqcap [\![\mathbf{w}, \varphi_2]\!] \qquad [\![\mathbf{w}, \varphi_1 \vee \varphi_2]\!] := [\![\mathbf{w}, \varphi_1]\!] \sqcup [\![\mathbf{w}, \varphi_2]\!]$$

$$[\![\mathbf{w}, \varphi_1 \,\mathcal{U}_I\, \varphi_2]\!] := \bigsqcup_{t \in I \cap [0,T]} \big([\![\mathbf{w}^t, \varphi_2]\!] \sqcap \bigsqcap_{t' \in [0,t)} [\![\mathbf{w}^{t'}, \varphi_1]\!] \big)$$