——— Formation rules for Types ——

— Formation rules for Values —

$$\frac{}{\vdash e^{i\theta}:I} \quad \frac{\vdash v_1:T_1 \quad \vdash v_2:T_2}{\vdash v_1\times v_2:T_1\otimes T_2} \quad \frac{\vdash v:T_1}{\vdash inl\ v:T_1\oplus T_2} \quad \frac{\vdash v:T_2}{\vdash inr\ v:T_1\oplus T_2} \quad \frac{\vdash v:T}{\vdash \overline{v}:T^\star} \quad \frac{\vdash v:T[\mu\,X.T/X]}{\vdash fold\ v:\mu\,X.T}$$

$$\frac{\vdash v_1:T \qquad \vdash v_2:T}{\vdash v_1+v_2:T} \qquad \frac{\vdash v_1:T^{\star} \qquad \vdash v_2:T}{\vdash v_1,v_2:T^{\star}\otimes T} \qquad \frac{\vdash v_1:T_1 \qquad \vdash v_2:T_1^{\star}\otimes T_2}{\vdash v_1\;v_2:T_2} \qquad \frac{\vdash v_1:T_1^{\star}\otimes T_2}{\vdash v_1\;\circ v_2:T_1^{\star}\otimes T_3} \qquad \frac{\vdash v_1:T_1^{\star}\otimes T_2}{\vdash v_1\circ v_2:T_1^{\star}\otimes T_3}$$