1 Base calculus (3.3.1)

$$\frac{x : t \in \Gamma}{\Gamma \vdash x \Uparrow t} \quad \text{(T-Var)}$$

$$\frac{\Gamma \vdash t_1 \Downarrow Set \quad \Gamma, x \Downarrow t_1 \vdash t_2 \Uparrow t_3}{\Gamma \vdash \lambda x : t_1.t_2 \Uparrow (x : t_1) \to t_3} \quad \text{(T-Abs)}$$

$$\frac{\Gamma \vdash t_1 \Downarrow Set \quad \Gamma, x \Downarrow t_1 \vdash t_2 \Downarrow Set}{\Gamma \vdash (x : t_1) \to t_2 \Uparrow Set} \quad \text{(T-Pi)}$$

$$\frac{\Gamma \vdash t_1 \Uparrow t_3 \quad t_3 \to^* ((x : t_4) \to t_5) \quad \Gamma \vdash t_2 \Downarrow t_4}{\Gamma \vdash t_1\ t_2 \Uparrow t_5[x \mapsto t_2]} \quad \text{(T-App)}$$

$$\frac{}{\Gamma \vdash Set \Uparrow Set} \quad \text{(T-SetInSet)}$$

2 Sigma types (4.2)