$Q ::= 0$
$\quad | \; Q_1 \mid Q_2$
$\quad | \; \text{new } x:T; Q$
$\quad | \; \text{send } e_1(e_2); Q$
$\quad | \; \text{rec } e(pat); Q$
$\quad | \; \text{rec!} \, e(pat); Q$

$$\frac{}{\Sigma, \Gamma \vdash 0} \; (IO) \qquad \frac{\Sigma, \Gamma \vdash Q_1 \quad \Sigma, \Gamma \vdash Q_2}{\Sigma, \Gamma \vdash Q_1 \mid Q_2} \qquad \frac{\Gamma, x:T \vdash Q}{\Gamma \vdash \text{new } x:T, Q} \; x \notin \Gamma$$

~~$\Gamma \vdash e : T \quad \Gamma \vdash e_2 : T_2 \quad T_1 = T_2$~~

$$\frac{\Gamma(x) = \text{Chan } T \qquad \Gamma \vdash e : \text{Chan } T \qquad \Gamma \vdash e_2 : T}{\Gamma \vdash \text{send } e_1(e_2); Q}$$

~~$\vdash pat : T \rightsquigarrow \Gamma$~~

$$\frac{\Gamma_1 \vdash pat : T \rightsquigarrow \Gamma_2 \qquad \Gamma(x) = \text{Chan } T \qquad \Gamma_1 \vdash e : T \qquad \Gamma, \Gamma_2 \vdash Q}{\Gamma_1 \vdash \text{rec } e(pat), Q}$$

$$\frac{\Gamma \vdash \text{rec } e(pat), Q}{\Gamma \vdash \text{rec!} \, e(pat), Q}$$