Definition 0.0.3 (Structural Equivalence)   Structural Equivalence, denoted $\equiv$ is the smallest contextual equivalence relation that satisfies the following axioms:

$$
\begin{aligned}
P \mid Q &\equiv Q \mid P & \text{(S-COMP-COMM)} \\
(P \mid Q) \mid R &\equiv P \mid (Q \mid R) & \text{(S-COMP-ASSOC)} \\
P \mid stop &\equiv P & \text{(S-COMP-ID)} \\
\text{new}(c).stop &\equiv stop & \text{(S-REST-ID)} \\
\text{new}(c).\text{new}(d).P &\equiv \text{new}(d).\text{new}(c).P & \text{(S-REST-COMM)} \\
\text{new}(c).(P \mid Q) &\equiv P \mid \text{new}(c).Q, \text{ if } c \notin \text{fi}(P) & \text{(S-REST-COMP)}
\end{aligned}
$$