

$$\begin{aligned}
\textit{Connect}(n) &\triangleq \\
&\wedge \neg \textit{conn}[n].\textit{connected} \\
&\wedge \textit{target}.\textit{running} \\
&\wedge \textit{conn}' = [\textit{conn} \text{ EXCEPT } ![n].\textit{id} = \textit{conn}[n].\textit{id} + 1, \\
&\quad \quad \quad ![n].\textit{connected} = \text{TRUE}] \\
&\wedge \text{UNCHANGED } \langle \textit{target} \rangle
\end{aligned}$$

$$\begin{aligned}
\textit{Disconnect}(n) &\triangleq \\
&\wedge \textit{conn}[n].\textit{connected} \\
&\wedge \textit{conn}' = [\textit{conn} \text{ EXCEPT } ![n].\textit{connected} = \text{FALSE}] \\
&\wedge \text{UNCHANGED } \langle \textit{target} \rangle
\end{aligned}$$
