

$$\begin{aligned}
&\wedge \text{mastership}[t].\text{master} \neq \text{Nil} \\
&\wedge \text{mastership}' = [\text{mastership} \text{ EXCEPT } ![t].\text{master} = \text{Nil}] \\
&\wedge \text{UNCHANGED } \langle \text{target} \rangle
\end{aligned}$$

Formal specification, constraints, and theorems.

$$\begin{aligned}
\text{Init} &\triangleq \\
&\wedge \text{target} = [t \in \text{DOMAIN } \text{Target} \mapsto \\
&\quad [path \in \{\} \mapsto \\
&\quad \quad [value \mapsto \text{Nil}]]] \\
&\wedge \text{mastership} = [t \in \text{DOMAIN } \text{Target} \mapsto [master \mapsto \text{Nil}, term \mapsto 0]] \\
\\
\text{Next} &\triangleq \\
&\vee \exists n \in \text{Node} : \\
&\quad \exists t \in \text{DOMAIN } \text{Target} : \\
&\quad \quad \text{SetMaster}(n, t) \\
&\vee \exists t \in \text{DOMAIN } \text{Target} : \\
&\quad \quad \text{UnsetMaster}(t)
\end{aligned}$$

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