

d-chooser^{0,22}

$\text{d-chooser}(D; dec)$

$$\begin{aligned} &\equiv_{\text{def}} \forall j, b:\text{Id}, s:\text{M}(j).\text{state}. \\ &\quad (\text{isl}(dec(j,b,s)) \Leftrightarrow b \text{ in } \text{dom}(\text{M}(j).\text{pre}) \ \& \ (\exists v:\text{M}(j).\text{da}(\text{locl}(b)). \text{M}(j).\text{pre}(b,s,v))) \\ &\quad \ \& \ (\text{isl}(dec(j,b,s)) \Rightarrow b \text{ in } \text{dom}(\text{M}(j).\text{pre}) \ \& \ \text{M}(j).\text{pre}(b,s,\text{outl}(dec(j,b,s)))) \end{aligned}$$

clarification:

$\text{d-chooser}(D; dec)$

$$\begin{aligned} &\equiv_{\text{def}} \forall j:\text{Id}, b:\text{Id}, s:\text{d-m}(D; j).\text{state}. \\ &\quad (\text{isl}(dec(j,b,s)) \\ &\quad \Leftrightarrow \\ &\quad \quad b \text{ in } \text{dom}(\text{d-m}(D; j).\text{pre}) \ \& \ (\exists v:\text{d-m}(D; j).\text{da}(\text{locl}(b)). \text{d-m}(D; j).\text{pre}(b,s,v))) \\ &\quad \ \& \ (\text{isl}(dec(j,b,s)) \Rightarrow b \text{ in } \text{dom}(\text{d-m}(D; j).\text{pre}) \ \& \ \text{d-m}(D; j).\text{pre}(b,s,\text{outl}(dec(j,b,s)))) \end{aligned}$$