

preinit1R^{0,22}

$$\text{preinit1R}\{\$x:\text{ut2}, \$a:\text{ut2}\}$$

$$(i; X; T; x_0; P)$$

$$\equiv_{\text{def}} \oplus([\text{@}i \text{ precondition for } "\$a"(v:T):$$

$$\lambda s, v. P(s.\text{"\$x"}, v) \text{ State}("\$x" : X) \vee$$

$$; \text{@}i \text{ "\$x" initially } x_0:X])$$

clarification:

$$\text{preinit1R}\{\$x:\text{ut2}, \$a:\text{ut2}\}$$

$$(i; X; T; x_0; P)$$

$$\equiv_{\text{def}} \oplus(\text{@}i \text{ precondition for } "\$a"(v:T):$$

$$\lambda s, v. P(s.\text{"\$x"}, v) \text{ State}("\$x" : X) \vee$$

$$.\text{@}i \text{ "\$x" initially } x_0:X.\text{nil})$$