preinit1R^{0,22}

preinit1R{\$x:ut2, \$a:ut2}
$(i;\ X;\ T;\ x_0;\ P)$
$\equiv_{\text{def}}$ $\oplus$([@i precondition for "\$a"(v:T):
$\lambda s,v.\ P(s.$"\$x",v) State("\$x" : X) v
; @i "\$x" initially x_0:X])

clarification:

preinit1R{\$x:ut2, \$a:ut2}
$(i;\ X;\ T;\ x_0;\ P)$
$\equiv_{\text{def}}$ $\oplus$(@i precondition for "\$a"(v:T):
$\lambda s,v.\ P(s.$"\$x",v) State("\$x" : X) v
.@i "\$x" initially x_0:X.nil)

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p11_685298_{preinit1R}.html