R-base-recognize[0,22]

R-base-recognize(i;ds;x;k;T;$test$)
$\equiv_{\text{def}}$ (@i x initially false$_2$:$\mathbb{B}$ $\oplus$ @i only events in [k] change x:$\mathbb{B}$)
$\oplus$ @i effect k(v:T) x := $\lambda s,v.$ if $test(s,v)\rightarrow$ true$_2$ else $s(x)$ fi State(x : $\mathbb{B}$ $\oplus$ ds) v

clarification:

R-base-recognize(i;ds;x;k;T;$test$)
$\equiv_{\text{def}}$ (@i x initially false$_2$:$\mathbb{B}$ $\oplus$ @i only events in k.nil change x:$\mathbb{B}$)
$\oplus$ @i
effect k(v:T)
x := $\lambda s,v.$ if $test(s,v)\rightarrow$ true$_2$ else $s(x)$ fi State(fpf-join(IdDeq;x : $\mathbb{B}$;ds)) v

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p53_71664_{R-base-recognize}.html