w-automaton[11,40]

w-automaton(T;TA;M)
$\equiv_{\text{def}}$:(b:Id$\to$ $\mathbb{N}$ $\to$(x:Id$\to T(x)$)$\to$(?($TA(b)$)))
× (:(k:Knd$\to$kindcase(k; $a.TA(a)$; l,$tg.M(l,tg)$)$\to$(x:Id$\to$ $\mathbb{Q}$ $\to T(x)$)$\to$(x:Id$\to$ $\mathbb{Q}$ $\to T(x)$))
× (k:Knd$\to$kindcase(k; $a.TA(a)$; l,$tg.M(l,tg)$)$\to$(x:Id$\to T(x)$)$\to$((l:IdLnk
× (t:Id
× ($M(l,t)$)))) List)))

clarification:

w-automaton(T;TA;M)
$\equiv_{\text{def}}$:(b:Id$\to$ $\mathbb{N}$ $\to$(x:Id$\to T(x)$)$\to$(($TA(b)$) + Unit))
× (:(k:Knd$\to$kindcase(k; $a.TA(a)$; l,$tg.M(l,tg)$)$\to$(x:Id$\to$ $\mathbb{Q}$ $\to T(x)$)$\to$(x:Id$\to$ $\mathbb{Q}$ $\to T(x)$))
× (k:Knd$\to$kindcase(k; $a.TA(a)$; l,$tg.M(l,tg)$)$\to$(x:Id$\to T(x)$)$\to$((l:IdLnk
× (t:Id
× ($M(l,t)$)))) List)))

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http://www.nuprl.org/FDLcontent/p0_963683_/p30_394208_{w-automaton}.html