

ma-single-effect_wf^{0,22}

$\forall x:\text{Id}, k:\text{Knd}, ds:x:\text{Id} \text{ fp} \rightarrow \text{Type}, da:a:\text{Knd} \text{ fp} \rightarrow \text{Type},$
 $f:(\text{State}(ds) \rightarrow \text{Valtype}(da;k) \rightarrow ds(x)?\text{Void}).$

with declarations $ds:dsda:da$ effect of $k(v)$ is $x := f \text{ s } v \in \text{MsgA}$