

ma-single-effect-ma-single-pre-compatible^{0,22}

$\forall a:\text{Id}, T:\text{Type}, ds:x:\text{Id} \text{ fp} \rightarrow \text{Type}, P:\text{Top}, x:\text{Id}, k:\text{Knd}, d_1:x:\text{Id} \text{ fp} \rightarrow \text{Type}, da:a:\text{Knd} \text{ fp} \rightarrow \text{Type},$
 $f:\text{Top}.$
 $ds \parallel d_1$
 $\Rightarrow \text{locl}(a) : T \parallel da$
 \Rightarrow (with declarations
 $ds:d_1$
 $da:da$
 effect of $k(v)$ is $x := f \text{ s } v$
 $\parallel+$ (with $ds: ds$
 action $a:T$
 precondition $a(v)$ is
 $P \text{ s } v$))