

s-effect-rule0^{0,22}

$\forall i, x:\text{Id}, a:\text{Knd}, T, A:\text{Type}, f:(A \rightarrow T \rightarrow A).$

$@i: \text{ma-single-effect0}(x;A;a;T;f) \in \text{Dsys}$

$\& (\forall D:\text{Dsys}.$

$@i: \text{ma-single-effect0}(x;A;a;T;f) \subseteq D$

$\Rightarrow D$

 realizes es .

$\text{vartype}(i;x) \subseteq \rho A \ \& \ (\forall e:\text{E}. \text{loc}(e) = i \in \text{Id} \Rightarrow \text{kind}(e) = a \in \text{Knd} \Rightarrow \text{valtype}(e) \subseteq \rho T)$

$\& (\forall e:\text{E}.$

$\text{loc}(e) = i \in \text{Id} \Rightarrow \text{kind}(e) = a \in \text{Knd} \Rightarrow (x \text{ after } e) = f((x \text{ when } e), \text{val}(e)) \in A)$