

## ma-single-effect-ma-single-effect-compatible<sup>0,22</sup>

$\forall x:\text{Id}, k:\text{Knd}, ds:x:\text{Id fp} \rightarrow \text{Type}, da:a:\text{Knd fp} \rightarrow \text{Type}, f:\text{Top}, x_1:\text{Id}, k_1:\text{Knd}, d_1:x:\text{Id fp} \rightarrow \text{Type},$   
 $d_2:a:\text{Knd fp} \rightarrow \text{Type}, f_1:\text{Top}.$

$ds \parallel d_1$

$\Rightarrow da \parallel d_2$

$\Rightarrow \neg \langle k, x \rangle = \langle k_1, x_1 \rangle$

$\Rightarrow$  (with declarations

$ds:ds$

$da:da$

  effect of  $k(v)$  is  $x := f \text{ s } v$

$\parallel+$  with declarations

$ds:d_1$

$da:d_2$

    effect of  $k_1(v)$  is  $x_1 := f_1 \text{ s } v$ )