

## **es-decls-join-single**<sup>11,40</sup>

$\forall i:\text{Id}, ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), T:\text{Type}, es:\text{event\_system}\{i:l\}.$   
 $es\text{-decls}(es;i;ds;da)$   
 $\Rightarrow \text{subtype\_rel}(es\text{-vartype}(es; i; \text{mkid}\{\text{ecl:ut2}\}); T)$   
 $\Rightarrow (\neg(\uparrow\text{fpf\_dom}(\text{id-deq}; \text{mkid}\{\text{ecl:ut2}\}; ds)))$   
 $\Rightarrow es\text{-decls}(es;i;\text{fpf-join}(\text{id-deq}; ds; \text{fpf-single}(\text{mkid}\{\text{ecl:ut2}\}; T));da)$