

## **R-state-var-init\_wf**<sup>11,40</sup>

$\forall i:\text{Id}, ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), x:\text{Id}, T:\text{Type}, v:T, ks:(\text{Knd List}),$   
 $tr:(k:\{k:\text{Knd} \mid (k \in ks)\} \rightarrow \text{decl-state}(ds) \rightarrow \text{ma-valtype}(da; k) \rightarrow T \rightarrow T).$   
 $\text{fpf-compatible}(\text{Id}; x.\text{Type}; \text{id-deq}; ds; \text{fpf-single}(x; T))$   
 $\Rightarrow (\text{R-state-var-init}(i; ds; da; x; T; v; ks; tr) \in \text{es\_realizer}\{i:1\})$