

## es-trans-state-from\_wf<sup>0,22</sup>

$\forall ds:x:\text{Id fp} \rightarrow \text{Type}, da:k:\text{Knd fp} \rightarrow \text{Type}, es:\text{ES}, i:\text{Id}, e_1, e_2:\{e:\text{E} \mid \text{loc}(e) = i\}$ .  
( $\forall x:\text{Id}. \text{vartype}(i;x) \subseteq \rho ds(x)?\text{Top}$ )  
 $\Rightarrow (\forall e:\text{E}. \text{loc}(e) = i \Rightarrow \text{valtype}(e) \subseteq \rho da(\text{kind}(e))? \text{Top})$   
 $\Rightarrow (\forall ks:\text{Knd List}, T:\text{Type}, z:T, g:(k:\{k:\text{Knd} \mid (k \in ks)\} \rightarrow \text{State}(ds) \rightarrow da(k)?\text{Top} \rightarrow T \rightarrow T).$   
     $\text{es-trans-state-from}\{i:l\}(es;ks;g;z;e_1;e_2) \in T$ )