

es-partial-state^{11,40}

$\text{state}@i|xs \equiv_{\text{def}} x:\text{Id} \rightarrow \text{if deq-member}(\text{IdDeq};x;xs) \text{ then vartype}(i;x) \text{ else Top fi}$

clarification:

$\text{es-partial-state}(es;i;xs)$
 $\equiv_{\text{def}} x:\text{Id} \rightarrow \text{if deq-member}(\text{IdDeq};x;xs) \text{ then es-vartype}(es; i; x) \text{ else Top fi}$