

es-interface-finite^{11,40}

X is finite

$\equiv_{\text{def}} \text{finite-type}(\{p::\text{Id} \times \text{Knd} \mid \exists e:\text{E}. (\text{loc}(e) = (p.1) \ \& \ \text{kind}(e) = (p.2) \ \& \ (\uparrow(e \in_b X)))\})$

clarification:

$\text{es-interface-finite}(es; A; X)$

$\equiv_{\text{def}} \text{finite-type}(\{p::\text{Id} \times \text{Knd} \mid$
 $\quad \exists e:\text{es-E}(es)$
 $\quad (\text{es-loc}(es; e) = (p.1) \in \text{Id}$
 $\quad \& \ \text{es-kind}(es; e) = (p.2) \in \text{Knd}$
 $\quad \& \ (\uparrow(e \in_b X)))\})$