

es-first-before^{0,22}

$\forall es:\text{ES}, i:\text{Id}, e':\text{E}, P:(\{e:\text{E} \mid \text{loc}(e) = i\} \rightarrow \text{Prop})$.

$\forall e@i. \text{Dec}(P(e)) \Rightarrow \text{loc}(e') = i \Rightarrow (\exists e < e'. e \text{ is first@ } i \text{ s.t. } e.P(e) \Leftrightarrow \exists e < e'. P(e))$