

existse-between3^{0,22}

$\exists e \in (e_1, e_2]. P(e) \equiv_{\text{def}} \exists e: E. (e_1 < \text{loc } e) \ \& \ e \leq e_2 \ \& \ P(e)$

clarification:

$\text{existse-between3}(es; e_1; e_2; e. P(e))$
 $\equiv_{\text{def}} \exists e: \text{es-E}(es). \text{es-locl}(es; e_1; e) \ \& \ \text{es-le}(es; e; e_2) \ \& \ P(e)$