decidable__existse-between1[11,40]

$\forall es$:ES, e_1, e_2:E, P:($\{e$:E| $\mathrm{loc}(e) = \mathrm{loc}(e_1) \in \mathrm{Id}\} \to \mathbb{P}$).
$(\mathrm{loc}(e_2) = \mathrm{loc}(e_1) \in \mathrm{Id}) \Rightarrow \forall e@\mathrm{loc}(e_1).\ \mathrm{Dec}(P(e)) \Rightarrow \mathrm{Dec}(\exists e{\in}[e_1,e_2).P(e))$

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http://www.nuprl.org/FDLcontent/p0_963683_/p44_289685_{decidable__existse-between1}.html