f-round-start[11,40]

$\forall es$:ES, x, *free*:Id, e:E.
@loc(e)(x:Id)
$\Rightarrow$ ($\neg$((x after e) = (x when e) $\in$ Id))
$\Rightarrow$ (0 < round(e))
$\Rightarrow$ ($\exists e'$:E
  ($e' \leq$loc e
  & rank(e') = <round(e), 0> $\in$ (:$\mathbb{N} \times \mathbb{N}$)
  & ($\neg$((x after e') = (x when e') $\in$ Id))))

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http://www.nuprl.org/FDLcontent/p0_963683_/p74_574980_{f-round-start}.html