**es-lc-bool**[11,40]

$\forall es$:ES, $b$:$\mathbb{B}$, $x$:Id, $e$:$\{e$:E| @loc$(e)(x$:$\mathbb{B})\}$ .
$((x$ when $e) = b)$
$\Rightarrow ((x$ initially@loc$(e) = (\neg_b b) \in \mathbb{B}) \vee (\exists e'$:E. $(e' \leq$loc $e$ & $(x$ when $e') = (\neg_b b) \in \mathbb{B})))$
$\Rightarrow (\exists e'$:E
$\quad ((e' <$loc $e)$
$\quad$ & $(x$ when $e') = (\neg_b b) \in \mathbb{B}$
$\quad$ & $(x$ after $e') = b$
$\quad$ & $\forall e'' \in (e',e].(x$ when $e'') = b$
$\quad$ & $\forall e'' \in [e',e).(x$ after $e'') = b))$