es-next-bool-assign[11,40]

next event in $[e, bound]$ after which $x =_b b \equiv_{\text{def}}$ next event in $[e; bound]$ after which $x = b$

clarification:

es-next-bool-assign{i:l}
$\qquad\qquad (es;\; x;\; b;\; e;\; bound)$
$\equiv_{\text{def}}$ es-next-assign{i:l}
$\qquad\qquad (es;\; \mathbb{B};\; \text{BoolDeq};\; b;\; x;\; e;\; bound)$