$\equiv \boxed{-2 \leq i < |A|-2 \wedge_L (\forall j: \mathbb{Z})(0 \leq j < |A| \longrightarrow_L ((i+2 = j \wedge A[j] \geq 0))}$

? $\boxed{\text{Falso}}$ queda ...

(c) $wp(A[i] := A[i-1], Q) \equiv$

$wp(A := setAt(A, i, A[i-1]), Q) \equiv$

$\underbrace{def(setAt(A, i, A[i-1]))}_{①} \wedge_L \underbrace{Q^{A}_{setAt(A, i, A[i-1])}}_{②}$

① $def(A) \wedge def(i) \wedge def(A[i-1]) \wedge_L 0 \leq i < |A| \equiv$

$0 \leq i-1 < |A| \wedge_L 0 \leq i < |A| \equiv +1 \leq i < |A|+1 \wedge_L 0 \leq i < |A|$

Como tienen que cumplirse ambos lo vamos a resumir en: $\boxed{1 \leq i < |A|}$

② $\equiv (\forall j: \mathbb{Z})(0 \leq j < |A| \longrightarrow_L \overbrace{setAt(A, i, A[i-1])}^{exp}[j] \geq 0)$

$\equiv (\forall j: \mathbb{Z})(0 \leq j < |A| \longrightarrow_L ((i \neq j \wedge A[j] \geq 0) \vee (i = j \wedge exp[j] \geq 0))$

$\equiv \boxed{(\forall j: \mathbb{Z})(0 \leq j < |A| \longrightarrow_L ((i \neq j \wedge A[j] \geq 0) \vee (i = j \wedge A[i-1] \geq 0)}$

pero $(i \neq j \wedge A[j] \geq 0)$ implica $(i = j \wedge A[i-1] \geq 0)$ ya que $i-1 \neq j$ v.v. por lo que $A[i-1] \geq 0$ vale en el momento

$1 \leq i < |A| \wedge_L (\forall j: \mathbb{Z})(0 \leq j < |A| \wedge i \neq j) \longrightarrow_L A[j] = 0$