In a language with array element assignment, what is the exact precondition for $A'(i') = 1$ to be refined by $(A(A \ i) := 0. \ A \ i := 1. \ i := 2)$ ?

After trying the question, scroll down to the solution.
∀A', i'· A'i' = 1 ⇐ (A := A i → 0 | A. A := i → 1 | A. i := 2)  expand final assignment

∀A', i'· A'i' = 1 ⇐ (A := A i → 0 | A. A := i → 1 | A. i' = 2 ∧ A' = A) substitute

∀A', i'· A'i' = 1 ⇐ i' = 2 ∧ A' = i → 1 | A i → 0 | A

\[(i → 1 | A i → 0 | A) 2 = 1\]  one-point

\[i = 2 \lor A i \neq 2 \land A 2 = 1\]