

Search for x from A[1] to A[N]

$A[0] \leftarrow x$

$i \leftarrow N$

while $A[i] \neq x$ $(A[i] \neq x \equiv B)$

$i \leftarrow i-1$

end while

$$\left\{ \frac{((i+1 \leq j \leq N) \Rightarrow x \neq A[j]) \wedge x = A[0]}{P} \wedge \frac{x = A[i]}{\neg B} \right\}$$

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$\{P[i-1/i]\} = \{((i \leq j \leq N) \Rightarrow x \neq A[j]) \wedge x = A[0]\} = \{P \wedge B\}$

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$\{ \underbrace{((i+1 \leq j \leq N) \Rightarrow x \neq A[j]) \wedge x = A[0]}_P \wedge \underbrace{x = A[i]}_{\neg B} \}$

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