In a language with array element assignment and list concurrency, what is the exact precondition for

```plaintext
if #A \leq 1 \text{ then } ok
else if A \ 0 > A (\#A–1) \text{ then } ok
    else A \ 0 := A (\#A–1) \| \ A (\#A–1) := A \ 0 \ \text{ fi fi}
```

to refine

```
\forall i, j; \square A \cdot i \leq j \Rightarrow A' i \leq A' j
```

\$\#A \leq 1 \lor \forall i, j; 1,..,#A–1 \cdot A \ i \leq A \ j\$