Proc sacarAlDeMásSupermenemos(inout S : seq⟨seq⟨$\mathbb{Z}$⟩⟩, out res : $\mathbb{Z}$) {

Pre $\{ S = S_0 \wedge_L |S| > 0 \wedge_L (\exists k : seq\langle \mathbb{Z} \rangle)(|k| > 0 \wedge k \in S) \}$

Post $\{ (\exists j : \mathbb{Z})($ esElSupermenemo$(S_0, j) \wedge_L (\forall k : \mathbb{Z})(0 \leq k < |S_0| \rightarrow_L$ contApariciones$(S_0[k], j) \leq$ contApariciones $(S_0[res-1], j)$

$)) \wedge_L$ ~~S=eliminarElElemento(S_0, res-1)~~ leFaltoElementoN$(S_0, S, res-1)$ }

~~Pred esElSupermenemo(S : seq⟨seq⟨$\mathbb{Z}$⟩⟩, j : $\mathbb{Z}$) {~~

~~$(\forall i : \mathbb{Z})(0 \leq i < |S| \rightarrow_L \neg(\exists l : \mathbb{Z})(S[i][l] < j)) \wedge$~~

Pred esElSupermenemo(S : seq⟨seq⟨$\mathbb{Z}$⟩⟩, j : $\mathbb{Z}$) {

$(\exists l : \mathbb{Z})(0 \leq l < |S| \wedge_L (\exists i : \mathbb{Z})(0 \leq i < |S[l]| \wedge_L S[l][i] = j)) \wedge (\forall k : \mathbb{Z})(0 \leq k < |S| \rightarrow_L \neg(\exists h : \mathbb{Z})(0 \leq h < |S[k]| \wedge_L$

$S[k][h] < j))$ }

aux contApariciones$(S : seq\langle \mathbb{Z} \rangle, j : \mathbb{Z}) : \mathbb{Z} = \sum_{i=0}^{|S|-1} (\text{if } S[i] = j \text{ then } 1 \text{ else } 0 \text{ fi})$

Pred leFaltoElementoN$(S_0, S : seq\langle \mathbb{Z} \rangle, N : \mathbb{Z})$ {

$((|S| = |S_0| - 1) \wedge 0 \leq N < |S_0|) \wedge_L (\forall i : \mathbb{Z})(0 \leq i < N \rightarrow_L S_0[i] = S[i]) \wedge_L (\forall j : \mathbb{Z})(N < j < |S_0| \rightarrow_L S_0[j] = S[j-1])$ }