proc acelerar (inout r: reunion, in prof: $\mathbb{Z}$, in freq: $\mathbb{Z}$) {

Pre $\{esReuniónVálidaAux(r, prof, freq) \wedge r_0 = r\}$

Post {

$esReuniónVálidaAux(r, prof, freq) \wedge_L$

$|r| = |r_0| \wedge_L$

$lasSeñalesTieneLaMitadDeMuestras(r, r_0) \wedge_L$

$losImpares(r, r_0)\}$

}

pred lasSeñalesTieneLaMitadDeMuestras (r: reunion, $r_0 : reunion$)$\{(\forall i : \mathbb{Z})\ 0 \leq i < |r| \ \longrightarrow_L$

if $esPar(|r[0]_0|)$ then $|r[i]_0| = \frac{|r[0]_0|}{2}$ else $|r[i]_0| = \frac{|r[0]_0|-1}{2}$ fi

}

pred losImpares (r: reunion, $r_0 : reunion$)$\{(\forall i : \mathbb{Z})\ 0 \leq i < |r| \ \longrightarrow_L$ (

$(\exists j : \mathbb{Z})\ 0 \leq j < |r| \ \wedge_L (r[i]_1 = r[j]_1) \wedge_L$

($(\forall q : \mathbb{Z})\ 0 \leq q < |r_0[i]_0| \wedge (\neg esPar(q)) \ \longrightarrow_L (r_0[i]_0[q] = r[j]_0[\frac{q-1}{2}])))\}$