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proc ralentizar (inout r: reunion, in prof:  $\mathbb{Z}$ , in freq:  $\mathbb{Z}$ ) {
  Pre {esReuniónVálidaAux(r, prof, freq)  $\wedge$  r0 = r}
  Post {
    esReuniónVálidaAux(r, prof, freq)  $\wedge_L$ 
     $|r| = |r_0| \wedge_L$ 
    lasSeñalesTienenElDobleDeMuestras(r, r0)  $\wedge_L$ 
    promedioEntrePares(r, r0)}
}

pred lasSeñalesTienenElDobleDeMuestras (r: reunion, rv : reunion){
  ( $\forall i : \mathbb{Z}$ )  $0 \leq i < |r_v| \rightarrow_L (2 \cdot |r_v[i]_0| = (|r[i]_0| + 1))$ 
}
pred promedioEntrePares (r: reunion, rv : reunion){
  ( $\forall i : \mathbb{Z}$ )  $0 \leq i < |r| \rightarrow_L ($ 
  ( $\exists j : \mathbb{Z}$ )  $0 \leq j < |r_0| \wedge_L (r[i]_1 = r_v[j]_1) \wedge_L ($ 
  ( $\forall q : \mathbb{Z}$ )  $0 \leq q < |r[i]_0| \rightarrow_L$ 
  if esPar(q) then  $r[j]_0[q] = r_v[i]_0[\frac{q}{2}]$  else  $r[j]_0[q] = \frac{r_v[i]_0[\frac{q-1}{2}] + r_v[i]_0[\frac{q+1}{2}]}{2}$  fi ) ) }

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