```
proc acelerar (inout r: reunion, in prof: ℤ, in freq: ℤ)  {
       Pre {
         esReuniónVálidaAux(r, prof, freq) ∧_L
           lasSeñalesDuranMásDe2Segundos(r) ∧
           r_0 = r
       }
       Post {
         |r| = |r_0| ∧_L
           lasSeñalesTieneLaMitadDeMuestras(r, r_0)∧_L
           losImpares(r, r_0)
       }
}
```

pred lasSeñalesDuranMásDe2Segundos ($r : reunion, freq : \mathbb{Z}$) $\{duraciónEnSegundos(r[0]_0, freq) > 2\}$

pred lasSeñalesTieneLaMitadDeMuestras (r: reunion, $r_v : reunion$){
$(\forall i : \mathbb{Z})\ 0 \leq i < |r| \ \longrightarrow_L$ if $esPar(|r_v[i]_0|)$ then $|r[i]_0| = \frac{|r_v[i]_0|}{2}$ else $|r[i]_0| = \frac{|r_v[i]_0|-1}{2}$ fi
}

pred losImpares (r: reunion, $r_v : reunion$){
$(\forall i : \mathbb{Z})\ 0 \leq i < |r_v| \ \longrightarrow_L ($
$(\exists j : \mathbb{Z})\ 0 \leq j < |r| \ \wedge_L (r_v[i]_1 = r[j]_1) \wedge_L ($
$(\forall q : \mathbb{Z})\ 0 \leq q < |r_v[i]_0| \wedge (\neg esPar(q)) \ \longrightarrow_L (r_v[i]_0[q] = r[j]_0[\frac{q-1}{2}])))$
}