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 \begin{array}{l} \text{proc hablantesSuperpuestos (in r: reunion, in prof: $\mathbb{Z}$, in freq: $\mathbb{Z}$, in umbral: $\mathbb{Z}$, out result: Bool) } \\ \text{Pre } \{esReuni\acute{o}nV\acute{a}lidaAux(r,prof,freq)\} \\ \text{Post } \{result = \neg noHayHablantesSuperpuestos(r,freq,umbral)} \} \\ \text{pred haySilencio (s: señal, umbral: $\mathbb{Z}$, freq: $\mathbb{Z}$) } \{(\exists i,j:\mathbb{Z}) \ 0 \leq i,j < |s| \land (i < j) \ \land_L esSilencio(s,umbral,(i,j))\} \\ \text{pred noHayHablantesSuperpuestos (r: reunion, freq: $\mathbb{Z}$, umbral: $\mathbb{Z}$) } \{\\ (\forall i,j:\mathbb{Z}) \ 0 \leq i,j < |r| \land (i \neq j) \ \longrightarrow_L \\ (\forall k,l:\mathbb{Z}) \ 0 \leq k,l < |r[i]_0| \ \land k < l \ \longrightarrow_L \\ \neg haySilencio(subseq(r[i]_0,k,l),umbral,freq) \ \longrightarrow_L esSilencio(r[j]_0,umbral,freq,(k,l)) \} \\ \end{array}
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