```
\begin{array}{l} \operatorname{proc\ seEnoj6?}\ (\operatorname{in\ s:\ se\~nal},\operatorname{in\ umbral:\ }\mathbb{Z},\operatorname{in\ prof:\ }\mathbb{Z},\operatorname{in\ freq:\ }\mathbb{Z},\operatorname{out\ result:\ Bool})\ \ \{ \\ \operatorname{Pre}\ \{umbral > 0 \wedge_L \operatorname{esSe\~nal}Aux(s,prof,freq)\} \\ \operatorname{Post\ }\{ \\ \operatorname{result} = umbralEnRango(umbral,prof) \wedge_L \\ \operatorname{existeUnaSubsecuenciaQueSuperaUmbral}(s,freq,umbral)\} \ \ \} \\ \\ \operatorname{pred\ umbralEnRango\ }(\operatorname{umbral:\ }\mathbb{Z},\operatorname{p:\ }\mathbb{Z})\ \{umbral \geq 2^{p-1}-1\} \\ \operatorname{pred\ existeUnaSubsecuenciaQueSuperaUmbral}\ (s:\operatorname{se\~nal},\operatorname{freq:\ }\mathbb{Z},\operatorname{u:\ }\mathbb{Z})\ \{ \\ (\exists d,h:\mathbb{Z})\ 0 \leq d,h < |s| \ \wedge (d < h) \wedge ((d + freq * 1000 * 5) < h) \wedge_L (\\ (\forall i:\mathbb{Z})\ 0 \leq i < |subseq(s,d,h)| \ \longrightarrow_L abs(subseq(s,d,h)[i]) > umbral) \} \\ \operatorname{fun\ abs\ }(x:\mathbb{Z}):\mathbb{Z} = \operatorname{if\ } x > 0 \operatorname{\ then\ } x \operatorname{\ else\ } -x \operatorname{\ fi\ }; \end{array}
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