```
\begin{array}{l} \operatorname{proc\ seEnoj6?}\ (\operatorname{in\ s:\ se\~{n}al,\ in\ umbral:\ \mathbb{Z},\ in\ prof:\ \mathbb{Z},\ in\ freq:\ \mathbb{Z},\ out\ result:\ Bool)} \ \ \{ \\ \operatorname{Pre}\ \{umbral \geq 0 \wedge_L \ esSe\~{n}alAux(s,prof,freq) \} \\ \operatorname{Post}\ \{ \\ \operatorname{result} = umbralEnRango(umbral,prof) \wedge_L \\ \operatorname{existeUnaSubsecuenciaQueSuperaUmbral}(s,freq,umbral) \} \\ \} \\ \operatorname{pred\ umbralEnRango}\ (umbral:\ \mathbb{Z},\ p:\ \mathbb{Z})\ \{umbral \geq 2^{p-1}-1 \} \\ \operatorname{pred\ existeUnaSubsecuenciaQueSuperaUmbral}\ (s:\ se\~{n}al,\ freq:\ \mathbb{Z},\ 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 |subseq(s,d,h)[i]| > umbral)\ \} \\ \end{array}
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