```
\begin{array}{l} \operatorname{proc \ ordenar \ (inout \ r: \ reunion, \ in \ freq: \ \mathbb{Z}, \ in \ \operatorname{prof: \ }\mathbb{Z}) \ \ \{} \\ & \operatorname{Pre} \ \{esReuni\acute{o}nV\acute{a}lidaAux(r,prof,freq) \land r_0 = r\} \\ & \operatorname{Post} \ \{ \\ & \operatorname{esReuni\acute{o}nV\acute{a}lida}Aux(r,\operatorname{prof},\operatorname{freq}) \land \\ & \operatorname{ordenadaDeMayorAMenorPorTonoDeVoz(r)} \land \\ & \operatorname{esUnaPermutaci\acute{o}n(r_0,r)} \\ \ \} \\ \} \\ & \operatorname{pred} \ \operatorname{ordenadaDeMayorAMenorPorTonoDeVoz} \ (r: \ \operatorname{reunion}) \ \{ \\ & (\forall i: \mathbb{Z}) \ 1 \leq i < |r| \ \longrightarrow_L tonoDeVoz(r[i-1]_0) \geq tonoDeVoz(r[i]_0) \\ \ \} \\ & \operatorname{pred} \ \operatorname{esUnaPermutaci\acute{o}n} \ (x: \ \operatorname{reunion}, \ y: \ \operatorname{reunion}) \ \{ \\ & |x| = |y| \land_L \\ & (\forall i: \mathbb{Z}) \ 0 \leq i < |x| \ \longrightarrow_L (\\ & (\exists j: \mathbb{Z}) \ 0 \leq j < |y| \ \land_L (x[i]_1 = y[j]_1) \land_L (x[i]_0 = y[j]_0)) \\ \ \} \end{array}
```