member_interleaving[4,23]

$\forall T$:Type, L, L_1, L_2:T List.
interleaving(T;L_1;L_2;L) $\Rightarrow$ $\{\forall x{:}T.\ (x \in L) \Leftrightarrow (x \in L_1) \vee (x \in L_2)\}$

http://www.nuprl.org/FDLcontent/p0_802137_/p94_76613_{member_interleaving}.html