$$\begin{array}{ll}]a,b[&]\frac{1}{2},\frac{2}{3}[\\ [a,b] &]-\infty,b] &]a,\infty[&]a,+\infty[\\]-\infty,\infty[&]-\infty,+\infty[\\ [a;b] &]a..b] &]-\infty..+\infty[\\]1,2[\cup [2,3[=]1,3[\\ \text{Un test hors intervalle}: $a=b[p] \\ \end{array}$$