Operazioni con gli intervalli

	per ogni coppia di intervalli A e B determinare gli insiemi $A \cup B$, $A \cap B$ e $A - B$				
1	$A = \,]1,5[$	$B = [2,6]$	$A \cup B = \,]1,6]$	$A \cap B = [2,5[$	$A - B = \,]1,2[$
2	$A = \,]-1,6[$	$B = \left[0, \frac{3}{5}\right[$	$A \cup B = \,]-1,6[$	$A \cap B = \left[0, \frac{3}{5}\right[$	$A - B = \,]-1,0[\,\cup\, \left[\frac{3}{5}, 6\right[$
3	$A = [\pi, 10]$	$B = [\pi^2, 12]$	$A \cup B = [\pi, 12]$	$A \cap B = [\pi^2, 10]$	$A - B = [\pi, \pi^2[$
4	$A = \,]-2,0]$	$B = [0,2[$	$A \cup B = \,]-2,2[$	$A \cap B = \{0\}$	$A - B = \,]-2,0[$
5	$A = \,]-2,0[$	$B = \,]0,2[$	$A \cup B = \,]-2,0[\,\cup\,]0,2[$	$A \cap B = \emptyset$	$A - B = \,]-2,0[$
6	$A = [-1,1]$	$B = \,]-2,3[$	$A \cup B = \,]-2,3[$	$A \cap B = [-1,1]$	$A - B = \emptyset$
7	$A = \,]0,1[$	$B = [0,1]$	$A \cup B = [0,1]$	$A \cap B = \,]0,1[$	$A - B = \emptyset$
8	$A = [1,4]$	$B = \,]1,4[$	$A \cup B = [1,4]$	$A \cap B = \,]1,4[$	$A - B = \{1,4\}$
9	$A = [1.9,3[$	$B = [1, 1.\overline{9}]$	$A \cup B = [1,3[$	$A \cap B = [1.9, 2]$	$A - B = \,]2,3[$
10	$A = \,]0,9[$	$B = [3,6]$	$A \cup B = \,]0,9[$	$A \cap B = [3,6]$	$A - B = \,]0,3[\,\cup\,]6,9[$
11	$A = [-2,3[$	$B = [0,4[$	$A \cup B = [-2,4[$	$A \cap B = [0,3[$	$A - B = [-2,0[$
12	$A = \left[-1, \frac{3}{2}\right[$	$B = \left]\frac{2}{3}, 1\right]$	$A \cup B = \left[-1, \frac{3}{2}\right[$	$A \cap B = \left]\frac{2}{3}, 1\right]$	$A - B = \left[-1, \frac{2}{3}\right] \cup \left]1, \frac{3}{2}\right[$
13	$A = \left[-1, \frac{2}{3}\right[$	$B = \left]\frac{3}{2}, 2\right]$	$A \cup B = \left[-1, \frac{2}{3}\right[\cup \left]\frac{3}{2}, 2\right]$	$A \cap B = \emptyset$	$A - B = \left[-1, \frac{2}{3}\right[$
14	$A = \,]-\infty, 5[$	$B = [2, +\infty[$	$A \cup B = \mathbb{R}$	$A \cap B = [2,5[$	$A - B = \,]-\infty, 2[$
15	$A = \,]0, +\infty[$	$B = \,]-\infty, 0]$	$A \cup B = \mathbb{R}$	$A \cap B = \emptyset$	$A - B = \,]0, +\infty[$
16	$A = [0, +\infty[$	$B = \,]-\infty, 0]$	$A \cup B = \mathbb{R}$	$A \cap B = \{0\}$	$A - B = \,]0, +\infty[$
17	$A = [0, \pi]$	$B = [2, +\infty[$	$A \cup B = [0, +\infty[$	$A \cap B = [2, \pi]$	$A - B = [0,2[$
18	$A = \,]-\infty, 1[$	$B = [0,1]$	$A \cup B = \,]-\infty, 1]$	$A \cap B = [0,1[$	$A - B = \,]-\infty, 0[$
19	$A = \,]-\infty, 3[$	$B = \{3\}$	$A \cup B = \,]-\infty, 3]$	$A \cap B = \emptyset$	$A - B = \,]-\infty, 3[$
20	$A = \left]\frac{13}{7}, 2\right[$	$B = \left[0, \frac{15}{7}\right]$	$A \cup B = \left[0, \frac{15}{7}\right]$	$A \cap B = \left]\frac{13}{7}, 2\right[$	$A - B = \emptyset$