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## Array intersection P16072_en

Write a function that returns a sorted vector with the intersection of the sorted vectors $v 1$ and $v 2$. The result must have the common elements in $v 1$ and $v 2$, without repetitions. For instance, the result of the intersection of a vector with $1,2,2,5,5$ and 7 and a vector with 2 , 3,3 and 7 is a vector with 2 and 7 .

## Interface

C++ vector $<$ double $>$ intersection(const vector $<$ double $>\& v 1$, const vector $<$ double $>\& v 2$ );
Java public static double[] intersection (double[] v1, double[] v2);
Python intersection (v1, v2) \# returns list
MyPy intersection (v1: list [ float ], v2: list [ float ]) $\rightarrow$ list [ float ]

## Observation

You only need to submit the required procedure; your main program will be ignored.

## Problem information

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