
Array intersection

P16072_en

Write a function that returns a sorted vector with the intersection of the sorted vectors $v1$ and $v2$. The result must have the common elements in $v1$ and $v2$, 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>& v1, const vector<double>& v2);
Java     public static double[] intersection (double[] v1, double[] v2);
Python   intersection (v1, v2) # returns list
         intersection (v1: list , v2: list ) → list
```

Observation

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

Problem information

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