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## Array intersection

P16072\_en

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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
MyPy     intersection (v1: list [ float ], v2: list [ float ]) → list [ float ]
```

### Observation

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

### Problem information

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