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
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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