
Array merge

P70093_en

Write a function that merges the sorted vectors $v1$ and $v2$ and returns the result, repeated elements included. For instance, the result of merging a vector with 2, 3 and 5 with a vector with 3, 5, 5 and 7 is a vector with 2, 3, 3, 5, 5, 5 and 7.

Interface

C++	<code>vector<double> merge(const vector<double>& v1, const vector<double>& v2);</code>
Java	<code>public static double[] merge(double[] v1, double[] v2);</code>
Python	<code>merge(v1, v2) # returns list</code>
MyPy	<code>merge(v1: list [float], v2: list [float]) → list [float]:</code>

Precondition

$v1$ and $v2$ are sorted in nondecreasing order.

Observation

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

Problem information

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