
Resistant dichotomic search

P33412_en

Write an efficient function

```
bool resistant_search (double x, const vector<double>& v);
```

that tells if `@x@` belongs to the vector `@v@` or not.

Precondition

The vector `@v@` is “almost sorted” in nondecreasing order, in the sense that there may be at most a pair of indices i and j such that $0 \leq i < j < n$ and `@V@[i] > @V@[j]`.

Observation

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

Problem information

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