
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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