Write an efficient function

```c
int first_occurrence (double x, const vector<double>& v);
```

that returns the position of the first occurrence of \( x \) in the vector \( v \). If \( x \) does not belong to \( v \), return a -1.

**Precondition**

The vector \( v \) is 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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