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## Sequential search in an array

P11725\_en

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Write a function that tells if the integer number  $x$  is present in the vector of integer numbers  $v$ .

In order to compare the efficiency of your solution against the efficiency of the solution of the Judge, start searching for  $x$  from the lowest positions.

### Interface

C++	<b>bool</b> <i>exists</i> ( <b>int</b> $x$ , <b>const vector</b> < <b>int</b> >& $v$ );
C	<b>int</b> <i>exists</i> ( <b>int</b> $x$ , <b>const int</b> $v$ [], <b>int</b> $vsize$ );
Java	<b>public static boolean</b> <i>exists</i> ( <b>int</b> $x$ , <b>int</b> [] $v$ );
Python	<i>exists</i> ( $x$ , $v$ ) # returns bool <i>exists</i> ( $x$ : <i>int</i> , $v$ : <i>list</i> ) $\rightarrow$ <i>bool</i>

### Observation

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

### Problem information

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