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## Position of the maximum

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Write a function that returns the position of the maximum element of  $v$   $[0..m]$ . If there is a tie, the smaller position must be returned.

### Precondition

$0 \leq m < \text{size of } v$ .

### Interface

C++	<b>int</b> <i>position_maximum</i> ( <b>const vector</b> < <b>double</b> >& <i>v</i> , <b>int</b> <i>m</i> );
C	<b>int</b> <i>position_maximum</i> ( <b>double*</b> <i>v</i> , <b>int</b> <i>m</i> );
Java	<b>public static int</b> <i>positionMaximum</i> ( <b>double</b> [] <i>v</i> , <b>int</b> <i>m</i> );
Python	<i>position_maximum</i> ( <i>v</i> , <i>m</i> ) # returns int <i>position_maximum</i> ( <i>v</i> : list , <i>m</i> : int) → int

### Observation

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

### Problem information

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