Being $v$ a vector of integer numbers. Starting in any position $p$ of $v$, jump in the vector according to $v[p]$: When it is positive, it must jump $v[p]$ steps to the right; when it is negative, it must jump $-v[p]$ steps to the left. The process is always repeated, unless it goes out of bounds.

Write a function

```cpp
string exit (int p, vector<int>& v);
```

that returns “left”, “right” or “never” depending on whether the process goes out of bounds on the left side, on the right side or never ends.

**Precondition**

$0 \leq p < v.\ size ()$

**Observation**

The value of $v$ at the end is not important. Moreover, notice that the parameter $v$ has not been declared as constant. Take advantage of this fact to write a function as efficient as possible.

**Observation**

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