# Problem AA. AA

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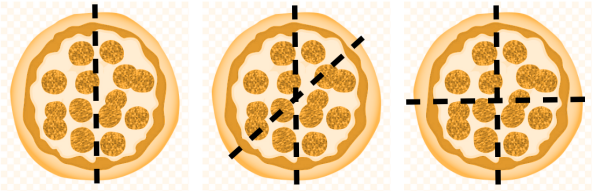
|---|---|
| **Time limit** | 1000 ms |
| **Code length Limit** | 50000 B |
| **OS** | Linux |

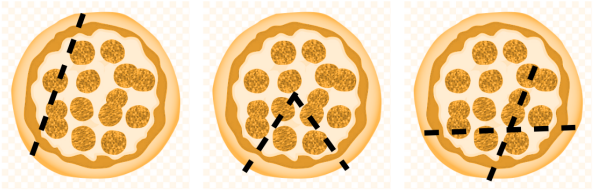
Chef has a circular pizza and a knife to cut that into pieces.
He can only cut the pizza in a way such that the knife starts from the boundary of the pizza, passes the centre, and ends at the boundary.

Find whether Chef an divide the pizza into $N$ pieces using any (possibly zero) number of cuts.

Some valid cuts are:



Whereas, the following cuts are invalid:



## Input Format

- The first line of input will contain a single integer $T$, denoting the number of test cases.
- Each test case consists of a single integer $N$ — denoting the desired number of cuts.

## Output Format

For each test case, output on a new line, `YES`, if Chef can divide the pizza into $N$ pieces using any (possibly zero) number of cuts, and `NO` otherwise.

Note that you may print each character in uppercase or lowercase. For example, the strings `NO`, `no`, `No`, and `nO` are considered the same.

## Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 100$

## Sample 1

| Input | Output |
|---|---|
| 4<br>1<br>2<br>3<br>4 | YES<br>YES<br>NO<br>YES |

**Test case 1:** Chef can have single piece of pizza by making zero cuts.

**Test case 2:** Refer the first image in valid cuts. Chef has divided the pizza into two pieces by making one cut.

**Test case 3:** It is not possible for Chef to divide the pizza into 3 pieces by using only valid cuts.

**Test case 4:** Refer the second and third image in valid cuts. Chef has divided the pizza into four pieces by making two cuts.