

# Easy Task

Mosa loves geometry, his lifelong ambition is to become a geometry teacher to teach children geometry, one day he wrote down  $N$  angles (in degrees), and he wonders if he can construct a polygon using all of the  $N$  angles he had written.

Help Mosa with his easy task.

## Input

The first line contains a single integer  $T$  ( $1 \leq T \leq 100$ ) – the number of test cases. Then follow  $T$  lines. Each line contains a positive integer  $N$  ( $3 \leq N_i \leq 20$ ) – the number of angles, then follows  $N$  real numbers ( $1 < N_i < 180$ ) separated by spaces.

## Output

For each test case print one line that contains "POSSIBLE" if it's possible for Mosa to construct a polygon with  $N$  angles, otherwise print "IMPOSSIBLE" if it's not possible.

## Example

**Input:**

```
3
3 60 62.5 57.5
4 135.5 44.5 135.5 44.5
4 100 95 160 10
```

**Output:**

```
POSSIBLE
POSSIBLE
IMPOSSIBLE
```