## Grades

2022/2023 SEASON - SIXTH ROUND

Embrace The Challenge
You have $n$ grades in Mathematics - $x_{1}, x_{2}, \ldots, x_{n}$ - which can be only the natural numbers 2, 3, 4, 5, 6 and you want a GPA of at least 5.50 . Find the minimum number of additional grades that you need. Answer $t$ such tests.

## Input

The first line of the file grades.in contains the number $t$. Then, for each test, the next line contains the number $n$, followed by a line of $n$ natural numbers $x_{1}, x_{2}, \ldots, x_{n}$.

## Output

On $t$ lines in the grades.out file, print the minimum number of additional grades for each test.

## Constraints

$1 \leq n, t \leq 200$
$2 \leq x_{i} \leq 6$
Time limit: 0.2 sec.
Memory limit: $\mathbf{2 5 6}$ MB.

## Sample test

| Input (grades.in) | Output (grades.out) |
| :--- | :--- |
| 3 | 7 |
| 1 | 2 |
| 2 | 0 |
| 2 |  |
| 46 |  |
| 1 |  |
| 6 |  |

