At HackerLand University, a passing grade is any grade 40 points or higher on a 100 point scale. Sam is a professor at the university and likes to round each student's grade according to the following rules:

- If the difference between the grade and the next higher multiple of 5 is less than 3, round to the next higher multiple of 5
- If the grade is less than 38, don't bother as it's still a failing grade

Automate the rounding process then round a list of grades and print the results.

Input Format

The first line contains a single integer denoting n (the number of students).
Each line i of the n subsequent lines contains a single integer, $grade_i$, denoting student i's grade.

Constraints

- $1 \leq n \leq 60$
- $0 \leq grade_i \leq 100$

Output Format

For each $grade_i$ of the n grades, print the rounded grade on a new line.

Sample Input 0

```
4
73
67
38
33
```

Sample Output 0

```
75
67
40
33
```

Explanation 0

The first grade, 73 is two below the next higher multiple of 5, so it rounds to 75.
67 is 3 points less than the next higher multiple of 5 so it doesn't round.
38, like 73, rounds up to next higher multiple of 5, or 40 in this case.
33 is less than 38, so it does not round.