

Grading Students

A University has the following grading policy:

- Every student receives a grade in the inclusive range from 0 to 100.
- Any grade less than 40 is a failing grade.

Sam is a professor at the university and likes to round each student's grade according to these rules:

- If the difference between the grade and the next multiple of 5 is less than 3, round grade up to the next multiple of 5.
- If the value of grade is less than 38, no rounding occurs as the result will still be a failing grade.

Examples:

Grade = 84 round to 85 (85 - 84 is less than 3)

Grade = 29 do not round (result is less than 40)

Grade = 67 do not round (60 - 57 is 3 or higher)

Given the initial value of for each of Sam's students, write code to automate the rounding process.

Input Format

The first line contains a single integer, **n**, and the number of students.

Each line of the subsequent lines contains a single integer, **grade[i]**.

Constraints

- $1 \leq n \leq 60$
- $0 \leq \text{grade}[i] \leq 100$

Sample Input

4
73
67
38
33

Sample Output

75
67
40
33