

HackerLand 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.

For example, grade=84 will be rounded to 85 but grade=29 will not be rounded because the rounding would result in a number that is less than 40.

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

Function Description

Complete the function *gradingStudents* in the editor below. It should return an integer array consisting of rounded grades.

gradingStudents has the following parameter(s):

- *grades*: an array of integers representing grades before rounding

Input Format

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

Each line i of the n subsequent lines contains a single integer, $grade[i]$, denoting student 's grade.

Output Format

For each $grade[i]$, print the rounded grade on a new line.

Sample Input 0

```
4
73
67
38
33
```

Sample Output 0

75

67

40

33