

Hackerland Univeristy has the following grading policy:

Every student receives a grade in inclusive range from 0 to 100.

Any grade less than 40 is failing grade.

Sam is professor at the university and likes to rund each student's grade according to these rules.

If the difference between the grade and the next multiple of 5 is less than 3,

then round grade up to 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.

Input Format

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

Each line of the n subsequent lines contains a single integer, $grades[i]$.

Sample Input 0

```
4
73
67
38
33
```

Sample Output 0

```
75
67
40
33
```