

Problem K. Ya Rajaie and Books

Time limit 500 ms

Mem limit 262144 kB

OS Windows

Mr. Ya Rajaie has N books and wants to put them in bookshelves, each bookshelf can have at most 5 books. Find the minimum number of bookshelves needed to store the N books.

Input

The first line of input contains a single integer T , the number of test cases.

Each test case contains a single integer N ($1 \leq N \leq 10^9$), the number of Ya's books.

Output

For each test case, print on a single line the minimum number of bookshelves needed to store the books.

Examples

Input	Output
2	2
7	3
15	