A. Roma and Lucky Numbers

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Roma (a popular Russian name that means 'Roman') loves the Little Lvov Elephant's lucky numbers.

Let us remind you that lucky numbers are positive integers whose decimal representation only contains lucky digits 4 and 7. For example, numbers $47, 744, 4$ are lucky and $5, 17, 467$ are not.

Roma's got n positive integers. He wonders, how many of those integers have not more than k lucky digits? Help him, write the program that solves the problem.

Input

The first line contains two integers n, k $(1 \le n, k \le 100)$. The second line contains n integers a_i $(1 \le a_i \le 10^9)$ — the numbers that Roma has.

The numbers in the lines are separated by single spaces.

Output

In a single line print a single integer — the answer to the problem.

Examples

input
3 4 1 2 4

output
3

input
3 2 447 44 77

output
2

Note

In the first sample all numbers contain at most four lucky digits, so the answer is 3.

In the second sample number 447 doesn't fit in, as it contains more than two lucky digits. All other numbers are fine, so the answer is 2.