Problem F5201
Print The Integer

You are given two positive integers n and k. You need to write down all the integers from 1 to n, except those who satisfy at least one of the following conditions.

1. The integer is a multiple of 3. For example 9 is a multiple of 3.
2. The integer is a multiple of 5. For example 10 is a multiple of 5.
3. The decimal representation contains the digit 3. For example both 13 and 31 contains digit 3.
4. The decimal representation contains the digit 5. For example both 25 and 52 contains digit 5.

At the same time, you only need to write down at most k many integers, which means if more than k integers needed to be written down, you only write first k of them.

Input

The input consist of two space separated integers $n(1 \leq n \leq 99)$ $k(1 \leq k \leq 99)$.

Output

If there are more than k integers satisfy the requirements, output first k of them, one on each line.

Otherwise output all the integers satisfy the requirements, one on each line.

Sample Input 1

```
13 7
```

Sample Output 1

```
1
2
4
7
8
11
```

Sample Input 2

```
13 5
```

Sample Output 2

```
1
2
4
7
8
```

Explanation of Sample Data

For integers between 1 and 13 inclusive, $\{1, 2, 4, 7, 8, 11\}$ should be written down.

There are 6 of them, so for sample 1 we should output all of them. And for sample 2 we only output first 5 of them.