

Task H. $2^i + 5^j$ (1 point)

Print in ascending order all the numbers that can be represented as $2^i + 5^j$ (i and j are non-negative integers) and do not exceed N .

Input format

The first line contains the integer N ($0 \leq N \leq 10^9$).

Output format

Print in ascending order all integers a ($0 \leq a \leq N$) satisfying the conditions. If a number can be obtained in several ways, then it needs to be displayed as many times.

Sample input:

10

Sample output:

2 3 5 6 7 9 9