72787. Super square

Input file:	**standard input**
Output file:	**standard output**
Time limit:	1 second
Memory limit:	256 megabytes

Find all exact squares of natural numbers that do not exceed a given number N.

Input

Given positive integer N.

Output

Output answer for the problem in each line.

Examples

standard input	standard output
10	1 4 9
21	1 4 9 16
4	1 4
16	1 4 9 16
1000	1 4 9 16 25 36 49 64 81 100 121 144 169 196 225 256 289 324 361 400 441 484 529 576 625 676 729 784 841 900 961