

Ascending squares

Problem ID: a10p01ascendingsquares

Write a program that, given n , prints out a list containing the first n squares in ascending order, starting at 1.

Input

The input consists of one line containing one integer n , with $1 \leq n \leq 10^5$.

Output

The output consists of 1 line, the string representation of the list.

Sample Input 1

5

Sample Output 1

[1, 4, 9, 16, 25]

Sample Input 2

1

Sample Output 2

[1]

Sample Input 3

10

Sample Output 3

[1, 4, 9, 16, 25, 36, 49, 64, 81, 100]