

Problem A. List of squares

For a given integer N, print all squares of natural numbers not exceeding N in ascending order.

Input data

A natural number is entered.

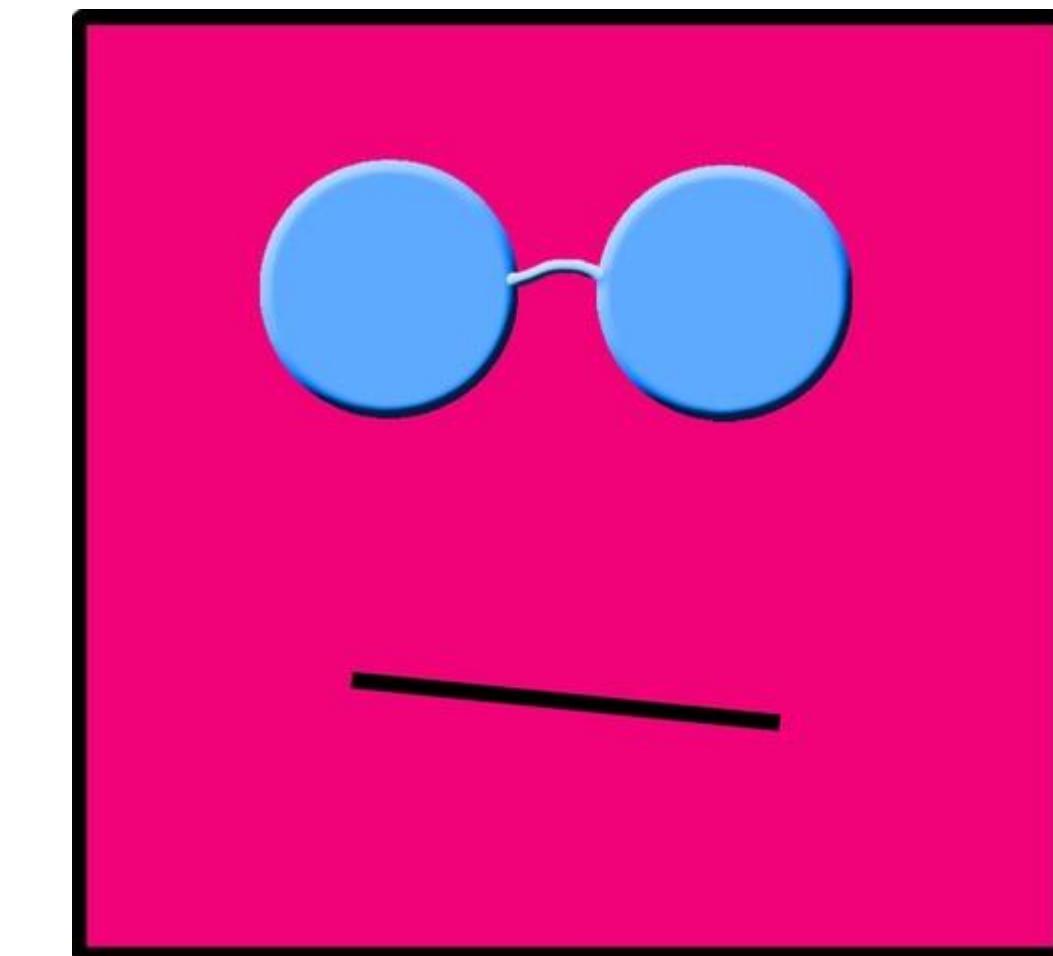
Output

Print the answer to the problem.

Examples of
input data
fifty

output

1 4 9 16 25 36 49



31 dec 11:00 (9AM)

```
int N;  
  
int squaresOfNum = 1;  
  
std::cin >> N;           // N = 50  
  
for (int i = 1; squaresOfNum <= N; i++) {    // loop until i <= N (50)  
    std::cout << squaresOfNum << " ";    // squaresOfNum = 1 (print)  
    squaresOfNum = i * i;  
}  
}
```

```
int N;  
  
std::cin >> N;           // N = 50  
  
for (int i = 1; i * i <= N; i++) {    // loop until i <= N (50)  
    std::cout << i * i << " ";    // squaresOfNum = 1 (print)  
}
```