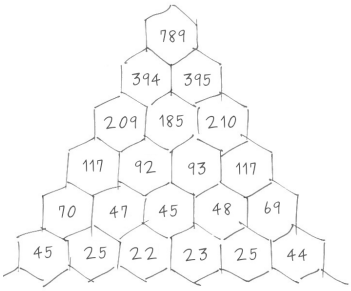
Problem I
Integral Pyramid



Pascal's triangle is a marvel of the combinatorical world, and what's more you can easily build one for yourself at home.

The lowest row has n numbers. The next row is staggered and has $n - 1$ numbers, where the ith is the sum of the ith and the $i + 1$th on the previous row.

You can choose any positive integers for the lowest row, but the single cell on the top row needs to be equal to a given x. Is this possible?

Input

- The only line contains the number of rows, n ($1 \leq n \leq 20$), and the value needed at the top, x ($1 \leq x \leq 10^9$).

Output

If a pyramid can be constructed, output all of the numbers on each row, starting from the top. Every number must be greater than or equal to 1.

Otherwise, output `impossible`.

Sample Input 1

```
3 15
```

Sample Output 1

```
15
8 7
3 5 2
```

Sample Input 2

```
6 789
```

Sample Output 2

```
789
394 395
209 185 210
117 92 93 117
70 47 45 48 69
45 25 22 23 25 44
```

Sample Input 3

```
20 1
```

Sample Output 3

```
impossible
```

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