

## A. New Password

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Innokentiy decides to change the password in the social net "Contact!", but he is too lazy to invent a new password by himself. That is why he needs your help.

Innokentiy decides that new password should satisfy the following conditions:

- the length of the password must be equal to  $n$ ,
- the password should consist only of lowercase Latin letters,
- the number of distinct symbols in the password must be equal to  $k$ ,
- any two consecutive symbols in the password must be distinct.

Your task is to help Innokentiy and to invent a new password which will satisfy all given conditions.

### Input

The first line contains two positive integers  $n$  and  $k$  ( $2 \leq n \leq 100$ ,  $2 \leq k \leq \min(n, 26)$ ) — the length of the password and the number of distinct symbols in it.

Pay attention that a desired new password always exists.

### Output

Print **any** password which satisfies all conditions given by Innokentiy.

### Examples

<b>input</b>
4 3
<b>output</b>
java

  

<b>input</b>
6 6
<b>output</b>
python

  

<b>input</b>
5 2
<b>output</b>
phphp

### Note

In the first test there is one of the appropriate new passwords — `java`, because its length is equal to 4 and 3 distinct lowercase letters `a`, `j` and `v` are used in it.

In the second test there is one of the appropriate new passwords — `python`, because its length is equal to 6 and it consists of 6 distinct lowercase letters.

In the third test there is one of the appropriate new passwords — `phphp`, because its length is equal to 5 and 2 distinct lowercase letters `p` and `h` are used in it.

Pay attention the condition that no two identical symbols are consecutive is correct for all appropriate passwords in tests.