ICPC Assiut University Community
Newcomers Training ,Do Your Best

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PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

V. 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 $(2 \le n \le 100, 2 \le k \le min(n, 26))$ — 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

input	Copy
4 3	

output	Copy
java	

input	Copy
6 6	

output	Copy
python	

input	Copy
5 2	

output	Copy
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

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Assiut University Training - Newcomers

Public

Participant

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→ About Group

Group website

→ Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

Sheet #10 (General Hard)

Finished

Practice

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→ About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the link.