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The Virtual Learning Environment for Computer Programming

## Printing cool words

Examen parcial d'Algorísmia, FME (2010-10-26)
In this problem, we say that a word is cool if it does not have two consecutive consonants. Write a program to print all the cool words with $n$ lowercase letters, $v$ of which are vowels, that can be made up from the $x$ first letters of the alphabet.
For instance, these are some of the many cool words for $n=5, v=3$ and $x=5$ :
aabab ababa babaa cecea deeac

## Input

Input consists of three natural numbers $n>0,0 \leq v \leq n$, and $2 \leq x \leq 26$.

## Output

Print, in alphabetic order, all the cool words with $n$ lowercase letters, $v$ of which are vowels, that can be made up from the $x$ first lowercase letters. Assume that ' $y$ ' is a consonant.

## Sample input 1

323

## Sample output 1

aab
aac
aba
aca
baa
caa

## Sample input 2

215

Sample output 2
ab
ac
ad
ba
be
ca
ce
da
de
eb
ec
ed

## Sample output 3

## Sample output 4

bababababababababababababababab

## Sample input 5

226

Sample output 5

## Problem information

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Generation : 2014-08-05 15:34:03
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