

All Strings

Task

Given an integer n and b , output all b -ary strings of length n , in increasing order.

INPUT

Line 1: Two integers n and b ($1 \leq n \leq 5$, $1 \leq b \leq 5$)

OUTPUT

Line 1.. b^n : Each line contains a string of length n .

EXAMPLE

Input	Output
2 3	00
	01
	02
	10
	11
	12
	20
	21
	22