

Problem: Week 2 - Binary sequences generation without consecutive 11

Description

Given an integer n , write a program that generates all binary sequences without consecutive 11 in a lexicographic order.

Input

- Line 1: contains an integer n ($1 \leq n \leq 20$)

Output

Write binary sequences in a lexicographic order, each sequence in a line

Example

Input

3

Output

000

001

010

100

101

Sample TestCase

C 17



1 Write your Source code here

Source code

C 17



```
1 //C
2 #include <stdio.h>
3
4 int main()
5 {
6
7 }
```

SUBMIT CODE

Currently, this contest problem is not open for submissions

Or

C 17 ▼

Select file

SUBMIT

🔍 Tìm kiếm

✕ ↺

ID	Bài tập	Trạng thái	Message
92823e	BINARY_GEN_WITHOUT_CONSECUTIVE_11	Accept	i

https://programming.daotao.ai/programming-contest/student-view-contest-problem-detail/PROJECT1_20231_WEEK1/BINARY_GEN_WITHOUT_CONSECUTIVE_11