#include <iostream>

using namespace std;

void view(int x[], int n){

for(int i = 1; i <= n; i++){

cout << x[i];

}

cout << "\n";

}

void Try(int k, int n, int x[]){

for(int i = 0; i <= 1; i++){

x[k] = i;

if(k == n) view(x, n);

else{

Try(k+1, n, x);

}

}

}

int main(){

int n;

n = 4;

int x[n+1] = {0};

Try(1, n, x);

}