#include <stdio.h>

void main()

{

int i,j,n,a,b;

printf("Input number of rows : ");

scanf("%d",&n);

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

{

if(i%2==0)

{ a=1;

b=0;

}

else

{ a=0;

b=1;

}

for(j=1;j<=i;j++)

if(j%2==0)

printf("%d",a);

else

printf("%d",b);

printf("\n");

}

}