#include<stdio.h>

#include<stdlib.h>

int main()

{

int a[100],n,i=1;

scanf("%d",&n);

a[0]=1;

a[1]=-1;

while(i<n)

{

printf("%d\n",a[0]);

printf("%d\n",a[1]);

i=i+2;

}

if(n%2!=0)

{

printf("%d\n",a[0]);

}

}