#include<stdio.h>

Int main()

{

Int fib[25], I,n,a,c=0;

Scanf(“%d”,&n);

Fib[0] = 0;

Fib[1] = 1;

For (I = 2; I < n; i++)

{

Fib[i] = fib[I – 1] + fib[i- 2];

}

Scanf(“%d”,&a);

For (I = 0; I < n; i++)

{

Printf(“%d “, fib[i]);

If(a==fib[i])

C=0;

Else

C++;

}

If(c==0)

Printf(“YES”);

Else

Printf(“NO”);

Return 0;

}