//{ Driver Code Starts

//Initial Template for C

#include <stdio.h>

// } Driver Code Ends

Int josephus(int n, int k)

{

If(n==1)

Return 1;

Else

Return(josephus(n-1,k)+k-1)%n+1;

}

//{ Driver Code Starts.

Int main() {

Int t;

Scanf(“%d”, &t);//testcases

While(t--)

{

Int n,k;

Scanf(“%d%d”, &n, &k);//taking input n and k

//calling josephus() function

Printf(“%d\n”, josephus(n,k));

}

Return 0;

}

// } Driver Code Ends