```java
import java.util.Scanner;
class Main
{
    public static void main(String[] args)
    {
        Scanner input=new Scanner(System.in);
        int test=input.nextInt();
        for(int i=0;i<test;i++)
        {
            int N=input.nextInt();
            int M=input.nextInt();
            if((N%2)==0&&(M%2)==0)
            {
                System.out.println(0);
            }
            else if((N%2)==0&&(M%2)!=0)
            {
                System.out.println(N);
            }
            else if((N%2)!=0&&(M%2)==0)
            {
                System.out.println(M);
            }
            else
            {
                System.out.println((M+N)-1);
            }
        }
    }
}
```