

```

import java.util.*;
class Main
{
    public static void main (String[] args)
    {
        Scanner input= new Scanner(System.in);
        int test=input.nextInt();
        while(test-->0)
        {
            int n =input.nextInt();
            boolean value[] = new boolean[n];
            int k =input.nextInt();
            String str = input.next();
            char[] array = str.toCharArray();
            int A=A(array, array.length-1);
            int B= B(array, 0);
            while(A>B)
            {
                if(k>0 && A!= -1 && B!= -1)
                {
                    value[A] = true;
                    array[A] = 'b';
                    array[B] = 'a';
                    A= A(array, A);
                    B=B(array, B);
                    k--;
                }
                else
                    break;
            }
            for(int i=B; i<array.length; i++)
            {
                if(k>0 && i != -1)
                {
                    if(value[i] == true)
                    {
                        array[i] = 'a';
                        k--;
                    }
                    else if(k > 1)
                    {
                        array[i] = 'a';
                        k = k -2;
                    }
                }
            }
            else break;
        }
        str = new String(array);
        System.out.println(str);
    }

}

public static int A(char[] array, int index)
{
    for(int i=index; i>=0; i--)

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    {
        if(array[i] == 'a')
            return i;
    }
    return -1;
}
public static int B(char[] array, int index)
{
    for(int i=index; i<array.length; i++)
    {
        if(array[i] == 'b')
            return i;
    }
    return -1;
}
}
```