```java
import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.Arrays;

import java.util.StringTokenizer;


class Day90 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        int t1 = Integer.parseInt(br.readLine());
        for (int t = 1; t <= t1; t++) {
            StringTokenizer tk = new StringTokenizer(br.readLine());
            int n = Integer.parseInt(tk.nextToken());
            int p = Integer.parseInt(tk.nextToken());
            String s = br.readLine();
            char c[] = s.toCharArray();
            int b = 0;
            for (int i = 0; i < c.length; i++) {
                if (s.charAt(i) == 'b') {
                    b++;
                }
            }
            int a1 = 0;
            for (int i = c.length - 1; i >= n - b; i--) {
                if (c[i] == 'a') {
                    a1++;
                }
            }
            if (p <= a1) {
                int p1 = p;
                for (int i = 0; i < c.length && p1 > 0; i++) {
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        if (c[i] == 'a') {

            continue;

        } else {

            c[i] = 'a';

            p1--;

        }

    }

    p1 = p;

    for (int i = n - 1; i >= 0 && p1 > 0; i--) {

        if (c[i] == 'b') {

            continue;

        } else {

            c[i] = 'b';

            p1--;

        }

    }

    System.out.println(String.valueOf(c));

} else {

    char c2[] = s.toCharArray();

    Arrays.sort(c2);

    int p1 = p - a1;

    for (int i = n - b; i < c.length && p1 > 0; i++) {

        if (c[i] == 'b') {

            if (p1 >= 2) {

                c2[i] = 'a';

                p1 -= 2;

            }

        } else {

            c2[i] = 'a';

            p1--;

        }
```

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            }
            System.out.println(String.valueOf(c2));
        }
    }
}
```