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for _ in range(int(input())):
    n, p = map(int,input().split())
    s = list(input())
    a=s.count('a'); b=s.count('b'); swap = 0
    arr = [i for i in s]
    for i in range(a):
        if s[i] == 'b':
            swap += 1
        if p <= swap:
            i=0; tmp=p
            while p>0 and i<n:
                if arr[i]=='b':
                    arr[i]='a'
                    p -= 1
                    i += 1
            p = tmp; i = n-1
            while p>0 and i>0:
                if arr[i] == 'a':
                    arr[i] = 'b'
                    p -= 1
                    i -= 1
            print("".join(arr))
        else:
            for j in range(n):
                if j < a:
                    arr[j] = 'a'
                else:
                    arr[j] = 'b'
                p -= swap
            for k in range(n):
                if arr[k] == 'b':
                    if s[k] == 'b' and p >= 2:
                        p -= 2
                        arr[k] = 'a'
                    if s[k] == 'a' and p >= 1:
                        p -= 1
                        arr[k] = 'a'
            print("".join(arr))

```