#include <stdio.h>

#define MAXN 1000000

int df[2\*MAXN+10];

int main()

{

freopen("dance.in", "r", stdin);

freopen("dance.out", "w", stdout);

char a;

int d = 0, n;

long long m = 0;

scanf("%d", &n);

getchar();

df[0+MAXN] = 1;

while (n--)

{

a = getchar();

if (a <= 'B')

a = a-'A'+'a';

if (a == 'a')

d++;

else

d--;

m += df[d+MAXN];

df[d+MAXN]++;

}

printf("%lld\n", m);

return 0;

}