Problem Link:

<https://codeforces.com/problemset/problem/1428/C>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* string s;
* cin >> s;
* **stack<char>** st;
* **for**(**char** ch : s)
* {
* **if**(!st.empty())
* {
* **if**(ch == **'B'** && st.top() == **'A'**)
* {
* st.pop();
* }
* **else** **if**(ch == **'B'** && st.top() == **'B'**)
* {
* st.pop();
* }
* **else**
* {
* st.push(ch);
* }
* }
* **else**
* {
* st.push(ch);
* }
* }
* cout << st.size() << **"\n"**;
* }
* **return** 0;
* }