Problem Link:

<https://codeforces.com/problemset/problem/550/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* string s;
* cin >> s;
* **int** n = s.size();
* **bool** f = **false**;
* **for**(**int** i = 0; i < n - 1; ++i)
* {
* **if**(s[i] == **'A'** && s[i + 1] == **'B'**)
* {
* i += 2;
* **while**(i < n - 1)
* {
* **if**(s[i] == **'B'** && s[i + 1] == **'A'**)
* {
* f = **true**;
* **break**;
* }
* ++i;
* }
* **break**;
* }
* }
* **if**(!f)
* {
* **for**(**int** i = 0; i < n - 1; ++i)
* {
* **if**(s[i] == **'B'** && s[i + 1] == **'A'**)
* {
* i += 2;
* **while**(i < n - 1)
* {
* **if**(s[i] == **'A'** && s[i + 1] == **'B'**)
* {
* f = **true**;
* **break**;
* }
* ++i;
* }
* **break**;
* }
* }
* }
* cout << (f ? **"YES\n"** : **"NO\n"**);
* **return** 0;
* }