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Valid String

Problem	Submissions	Leaderboard	Discussions

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✔ Test Case #0	✔ Test Case #1	✔ Test Case #2
✔ Test Case #3	✔ Test Case #4	✔ Test Case #5
✔ Test Case #6	✔ Test Case #7	

Submitted Code

Language: C++20   ⌥ Open in editor

```cpp
1  #include <bits/stdc++.h>
2  using namespace std;
3
4  int main()
5  {
6      int t;
7      cin >> t;
8      while (t--)
9      {
10         string str;
11         cin >> str;
12
13         stack<char> st;
14         for (char c : str)
15         {
16             if (c == 'A')
17             {
18                 if (!st.empty())
19                 {
20                     if (st.top() == c)
21                     {
22                         st.push(c);
23                     }
24                     else
25                     {
26                         st.pop();
27                     }
28                 }
29
30                 else
31                 {
32                     // stack khali
33                     st.push(c);
```

```
34                  }
35              }
36
37          if (c == 'B')
38          {
39              if (!st.empty())
40              {
41                  if (st.top() == c)
42                  {
43                      st.push(c);
44                  }
45                  else
46                  {
47                      st.pop();
48                  }
49              }
50
51              else
52              {
53                  // stack khali
54                  st.push(c);
55              }
56          }
57      }
58
59      // while(!st.empty())
60      // {
61      //     cout<<st.top()<<" ";
62      //     st.pop();
63      // }
64      if (st.empty())
65      {
66          cout << "YES" << endl;
67      }
68
69      else
70          cout << "NO" << endl;
71  }
72
73      return 0;
74 }
```

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