

Leetcode Dry Run on 2914. Minimum Number of Changes to Make Binary String Beautiful

Example 1:

$s = 1\ 0\ 0\ 1$
0 1 2 3

```
i = 0
minCount = 0

if( s[0] != s[1] ){
    minCount++;
}
```

```
i = 2
minCount = 1

if( s[2] != s[3] ){
    minCount++;
}
```

```
i = 4
minCount = 2
```

$s = 1\ 1\ 0\ 1$
0 1 2 3

$s = 1\ 1\ 0\ 0$
0 1 2 3

$s1 = 1\ 1$ $s2 = 0\ 0$
0 1 0 1

Two Even Length SubString Both Are Containing Only 1's or 0's
Time Complexity: $O(N)$
Space Complexity: $O(1)$



```
class Solution {  
public:  
    int minChanges(string s) {  
        int minCount = 0;  
        for(int i = 0; i < s.size() - 1; i += 2){  
            if(s[i] != s[i + 1]){  
                minCount++;  
            }  
        }  
        return minCount;  
    }  
};
```