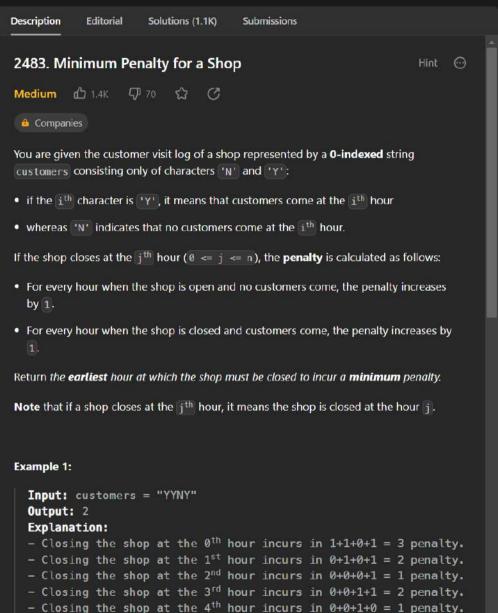


```
i Java ∨ | Auto
         public int pivotInteger(int n) {
             int totalSum = n * (n + 1) / 2;
             int leftSum = 0;
             for(int i = 1; i <= n; i++) {
                 leftSum += i;
                 if(totalSum - leftSum + i == leftSum) return i;
             return -1;
 12 }
Testcase
         Result
Accepted Runtime: 0 ms
 • Case 1
              • Case 2
                          Case 3
Input
  8
Output
  6
Expected
  6
Console v
                                                                             Run
                                                                                       Submit
```



Closing the shop at 2nd or 4th hour gives a minimum penalty. Since

```
i Java ∨ | Auto
     public class Solution {
         public int bestClosingTime(String customers) {
              int max score = 0, score = 0, best hour = -1;
              for(int i = 0; i < customers.length(); ++i) {</pre>
                  score += (customers.charAt(i) == 'Y') ? 1 : -1;
                  if(score > max score) {
                      max score = score;
                      best hour = i;
              return best hour + 1;
 13 }
Testcase Result
Accepted Runtime: 0 ms
  • Case 1
              • Case 2

    Case 3

Input
  "YYNY"
Output
  2
Expected
  2
Console v
                                                                               Run
                                                                                         Submit
```