ValidParentheses.java

```
1    package String;
2
3    public class ValidParentheses {
4        public static boolean ValidCheck(String s) {
5            char[] stack = new char[s.length()];
6            int head = 0;
7            for (char c : s.toCharArray()) {
8                switch (c) {
9                case '{':
10               case '[':
11               case '(':
12                   stack[head++] = c;
13                   break;
14               case '}':
15                   if (head == 0 || stack[--head] != '{') return false;
16                   break;
17               case ')':
18                   if (head == 0 || stack[--head] != '(') return false;
19                   break;
20               case ']':
21                   if (head == 0 || stack[--head] != '[') return false;
22                   break;
23               }
24           }
25           return head == 0;
26       }
27   }
```

Mutations

12	1. Changed increment from 1 to -1 → KILLED
15	1. negated conditional → KILLED 2. replaced boolean return with true for String/ValidParentheses::ValidCheck → KILLED 3. Changed increment from -1 to 1 → KILLED 4. negated conditional → KILLED
18	1. negated conditional → KILLED 2. replaced boolean return with true for String/ValidParentheses::ValidCheck → NO_COVERAGE 3. Changed increment from -1 to 1 → KILLED 4. negated conditional → KILLED
21	1. negated conditional → KILLED 2. negated conditional → KILLED 3. replaced boolean return with true for String/ValidParentheses::ValidCheck → KILLED 4. Changed increment from -1 to 1 → KILLED
25	1. replaced boolean return with true for String/ValidParentheses::ValidCheck → SURVIVED 2. negated conditional → KILLED

Active mutators

- CONDITIONALS_BOUNDARY
- EMPTY_RETURNS
- FALSE_RETURNS
- INCREMENTS

- INVERT_NEGS
- MATH
- NEGATE_CONDITIONALS
- NULL_RETURNS
- PRIMITIVE_RETURNS
- TRUE_RETURNS
- VOID_METHOD_CALLS

Tests examined

- String.ValidParenthesesTest.testValidParentheses(String.ValidParenthesesTest) (0 ms)

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