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Medium ♥ Topics ♠ Companies
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Given a string s containing only three types of characters: (', ')' and '*', return true if s is **valid**.

The following rules define a valid string:

- Any left parenthesis '(' must have a corresponding right parenthesis ')'.
- Any right parenthesis ') ' must have a corresponding left parenthesis '('.
- Left parenthesis '(' must go before the corresponding right parenthesis ')'.
- '*' could be treated as a single right parenthesis ')' or a single left parenthesis '(' or an empty string "".

```
class Solution {
   func checkValidString( s: String) -> Bool {
       var openb = 0
       var closeb = 0
       var starcount = 0
       for i in s {
           if(i == "(") {
               openb = openb + 1
           } else if(i == ")") {
               if(openb == 0 && starcount == 0) {
                   return false
               }
               if(openb == 0) {
                   starcount = starcount - 1
               } else {
                   openb = openb - 1
               }
           } else {
               starcount = starcount + 1
           }
       }
       print(openb)
       print(starcount)
       if(openb > 0 && openb > starcount ) {
```

```
}
       openb = 0
       starcount = 0
       for i in s.reversed() {
           if(i == ")") {
               openb = openb + 1
           } else if(i == "(") {
               if(openb == 0 && starcount == 0) {
                   return false
               }
               if(openb == 0) {
                   starcount = starcount - 1
               } else {
                  openb = openb - 1
               }
           } else {
               starcount = starcount + 1
           }
       }
       if(openb > 0 && openb > starcount ) {
           return false
       }
      return true
  }
}
```

return false