

# HOW MANY TIMES HAS STRING BEEN ROTATED

\* In this problem, we are given a string  $s$  and a desired string  $goal$ . Our job is to check if  $s$  can be made  $goal$  by a few rotations.

The solution to this is very straight forward. Obviously, if the lengths of both strings don't match then the answer is obviously false. Otherwise, a new string which is the concatenation of  $s$  with itself will contain all possible rotations of  $s$ . So we just check if  $goal$  is a substring of the new String or not

Pseudocode :

```
string Rotated(s, goal) {  
    if (s.length() != goal.length()) {  
        return false  
    }  
    newStr = s + s  
    if (newStr.find(goal)) {  
        return true  
    } else {  
        return false  
    }  
}
```