

Vervollständige folgende Methoden

1.

The parameter `weekday` is true if it is a weekday, and the parameter `vacation` is true if we are on vacation. We sleep in if it is not a weekday or we're on vacation. Return true if we sleep in.

```
sleepIn(false, false) → true  
sleepIn(true, false) → false  
sleepIn(false, true) → true
```

```
public boolean sleepIn(boolean weekday, boolean vacation) {  
}
```

2.

Given two int values, return their sum. Unless the two values are the same, then return double their sum.

```
sumDouble(1, 2) → 3  
sumDouble(3, 2) → 5  
sumDouble(2, 2) → 8
```

```
public int sumDouble(int a, int b) {  
}
```

3.

Given a string and an index, return a string length 2 starting at the given index. If the index is too big or too small to define a string length 2, use the first 2 chars. The string length will be at least 2.

```
twoChar("java", 0) → "ja"  
twoChar("java", 2) → "va"  
twoChar("java", 3) → "ja"
```

```
public String twoChar(String str, int index) {  
}
```

4.

Count the number of "xx" in the given string. We'll say that overlapping is allowed, so "xxx" contains 2 "xx".

```
countXX("abcxx") → 1  
countXX("xxx") → 2  
countXX("xxxx") → 3
```

```
int countXX(String str) {  
}
```

5.

Given a string of any length, return a new string where the last 2 chars, if present, are swapped, so "coding" yields "codign".

```
lastTwo("coding") → "codign"  
lastTwo("cat") → "cta"  
lastTwo("ab") → "ba"
```

```
public String lastTwo(String str) {  
}
```