# Regex Substitution

The *re.sub()* tool (*sub* stands for *substitution*) evaluates a pattern and, for each valid match, it calls a *method* (or *lambda*).
The *method* is called for all matches and can be used to modify strings in different ways.
The *re.sub()* method returns the modified string as an output.

Learn more about $re.sub()$.

## Transformation of Strings

**Code**

```
import re

#Squaring numbers
def square(match):
    number = int(match.group(0))
    return str(number**2)

print re.sub(r"\d+", square, "1 2 3 4 5 6 7 8 9")
```

**Output**

```
1 4 9 16 25 36 49 64 81
```

## Replacements in Strings

**Code**

```
import re

html = """
<head>
<title>HTML</title>
</head>
<object type="application/x-flash"
  data="your-file.swf"
  width="0" height="0">
  <!-- <param name="movie"  value="your-file.swf" /> -->
  <param name="quality" value="high"/>
</object>
"""

print re.sub("(<!--.*?-->)", "", html) #remove comment
```

**Output**

```
<head>
<title>HTML</title>
</head>
<object type="application/x-flash"
  data="your-file.swf"
```

```
    width="0" height="0">

    <param name="quality" value="high"/>
</object>
```

## Task

You are given a text of $N$ lines. The text contains `&&` and `||` symbols.
Your task is to modify those symbols to the following:

```
&& → and
|| → or
```

Both `&&` and `||` should have a *space* " " on both sides.

## Input Format

The first line contains the integer, $N$.
The next $N$ lines each contain a line of the text.

## Constraints

$0 < N < 100$

Neither `&&` nor `||` occur in the *start* or *end* of each line.

## Output Format

Output the modified text.

## Sample Input

```
11
a = 1;
b = input();

if a + b > 0 && a - b < 0:
    start()
elif a*b > 10 || a/b < 1:
    stop()
print set(list(a)) | set(list(b))
#Note do not change &&& or ||| or & or |
#Only change those '&&' which have space on both sides.
#Only change those '|| which have space on both sides.
```

## Sample Output

```
a = 1;
b = input();

if a + b > 0 and a - b < 0:
    start()
elif a*b > 10 or a/b < 1:
    stop()
print set(list(a)) | set(list(b))
#Note do not change &&& or ||| or & or |
```

```
#Only change those '&&' which have space on both sides.
#Only change those '||' which have space on both sides.
```