Compile

```
shuqiny2@circinus-14 05:26:08 ~/253P/HW7/src
$ javac RomanNumeralConverter.java
shuqiny2@circinus-14 05:26:14 ~/253P/HW7/src
$ java RomanNumeralConverter
```

Input:

```
9
IX
476
CDLXXVI
```

Output:

```
IX
9
CDLXXVI
476
```

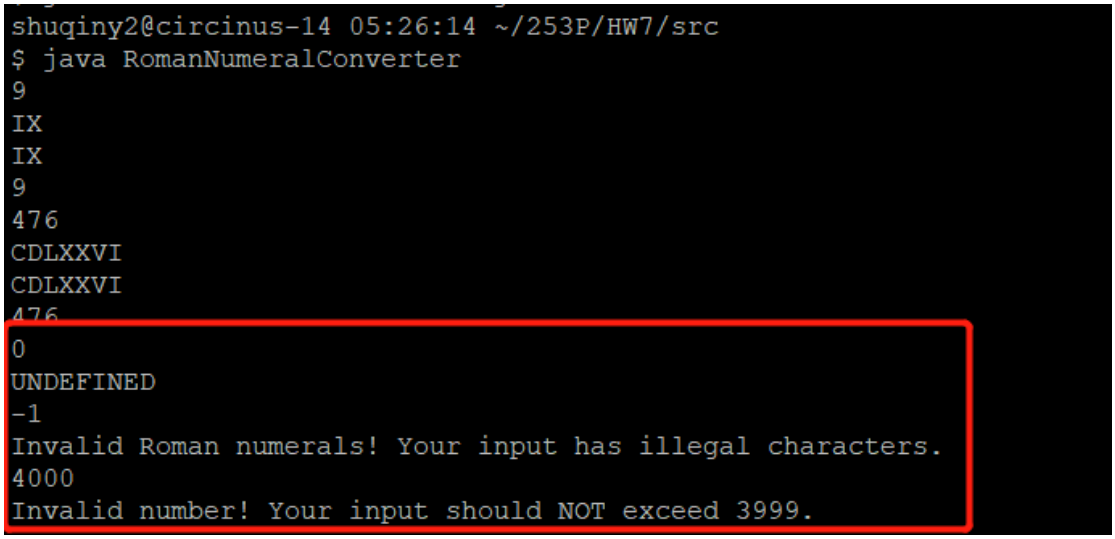
```
shuqiny2@circinus-14 05:26:14 ~/253P/HW7/src
$ java RomanNumeralConverter
9
IX
IX
9
476
CDLXXVI
CDLXXVI
476
```

Input:

```
0
-1
4000
```

Output:

```
UNDEFINED
Error
Error
```

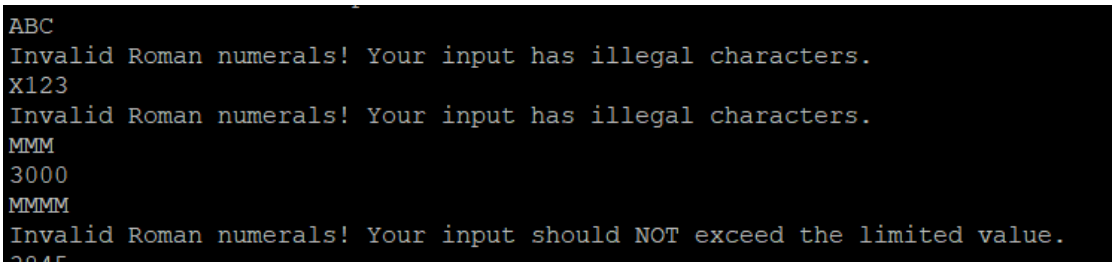


Input:

```
ABC
X123
MMMM
```

Output:

```
Error
Error
Error
```



Input:

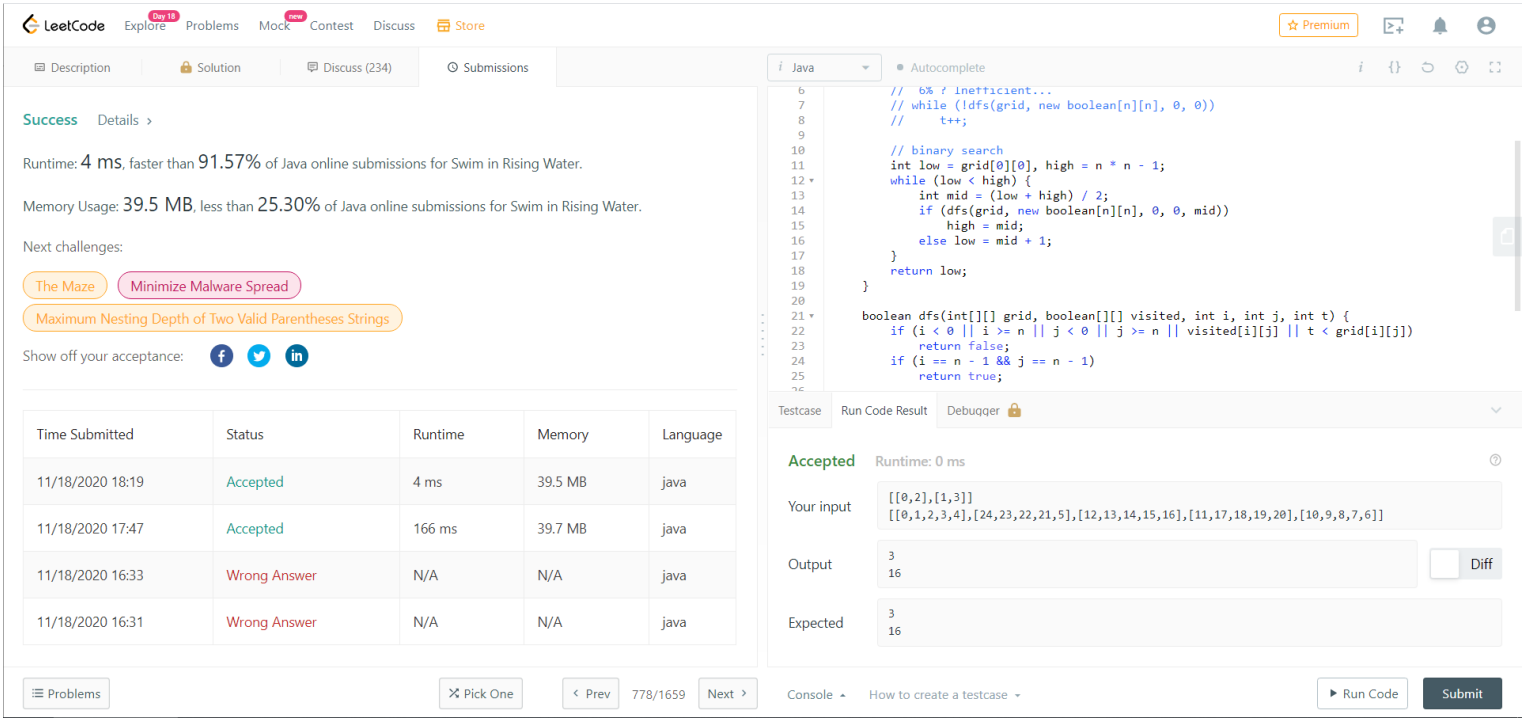
```
3845
1999
235
64
3
MMMDCCCXLV
MCMXCIX
CCXXXV
LXIV
III
```

Output:

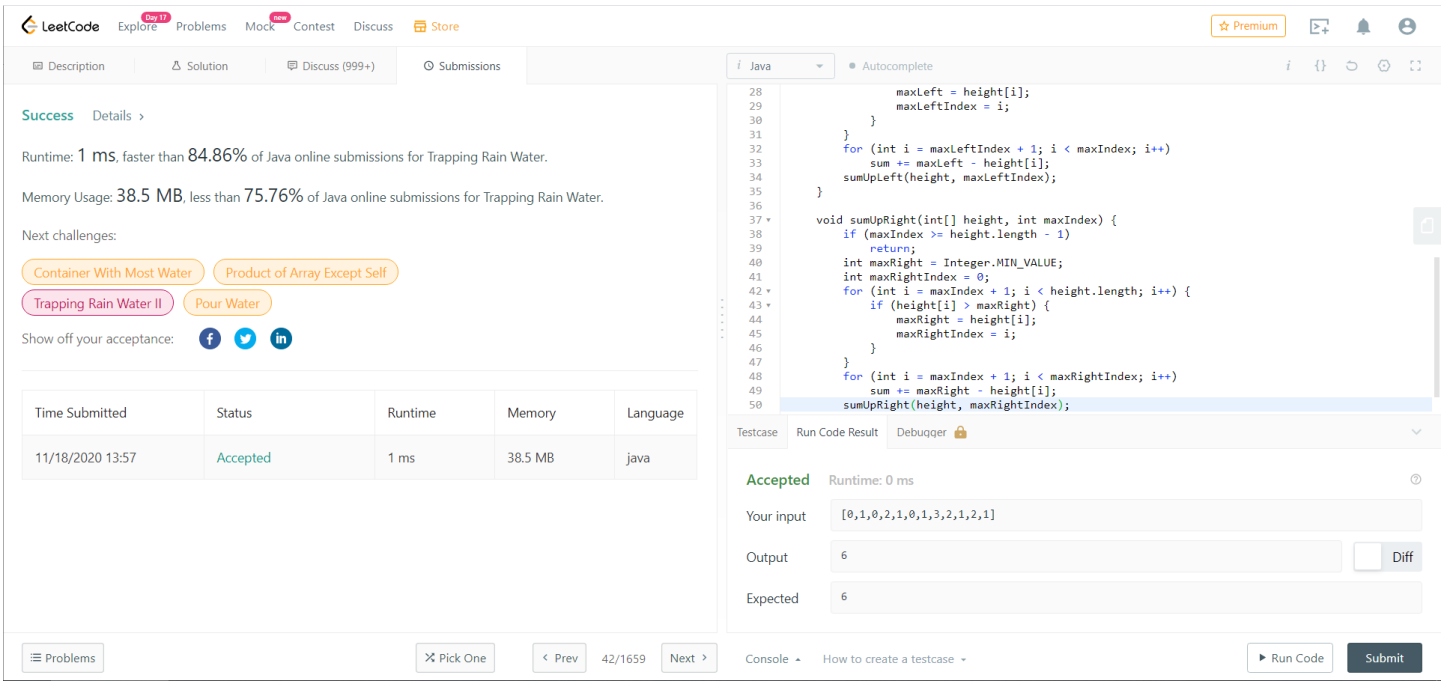
```
MMMDCCCXLV
MCMXCIX
CCXXXV
LXIV
III
3845
1999
235
64
3
```

```
3845
MMMDCCCXLV
1999
MCMXCIX
235
CCXXXV
64
LXIV
3
III
MMMDCCCXLV
3845
MCMXCIX
1999
CCCXXXV
335
CCXXXV
235
LXIV
64
III
3
```

Leetcode 778. Swim in Rising Water



Leetcode 42. Trapping Rain Water



LeetCode 1224. Maximum Equal Frequency