Compile

```
shuqiny2@circinus-27 13:47:07 ~/hw/253P-HW2/src

$ ls

HW2_1.java HW2_2.java Solution.java

shuqiny2@circinus-27 13:47:09 ~/hw/253P-HW2/src

$ javac HW2_1.java

shuqiny2@circinus-27 13:47:22 ~/hw/253P-HW2/src

$ java HW2_1
```

```
Test case 1 (the provided example from the assignment)
```

```
input:
```

needle <-- chem
haystack <-- alchemy</pre>

output:

2

```
shuqiny2@circinus-27 13:47:22 ~/hw/253P-HW2/src
$ java HW2_1
needle <-- chem
haystack <-- alchemy
2
shuqiny2@circinus-27 13:47:58 a/bw/253P-HW2/src
```

```
Test case 2(the provided example from the assignment)
```

```
input:
    needle <-- chem
    haystack <-- heartache

output:
    -1
shuqiny2@circinus-27 13:47:58 ~/hw/253P-HW2/src
$ java HW2_1
needle <-- chem
naystack <-- heartache
-1</pre>
```

```
input:
    needle <-- "" // empty String
    haystack <-- "" // empty String

output:
    -1

shuqiny2@circinus-27 13:48:12 ~/hw/253P-HW2/src

sjava HW2_1
needle <--
haystack <--
-1</pre>
```

Test case 3

```
Test case 4
    input:
        needle <-- abc
        haystack <-- ab

output:
    -1
shuqiny2@circinus-27 13:48:20 ~/hw/253P-HW2/src
$ java HW2_1</pre>
```

```
shuqiny2@circinus-27 13:48:20 ~/hw/253P-HW2/src

$ java HW2_1

needle <-- abc

haystack <-- ab

-1
```

```
Test case 5

input:

needle <-- ab
haystack <-- ababab

output:

0

shuqiny2@circinus-27 13:48:39 ~/hw/253P-HW2/src

5 java HW2_1
needle <-- ab
haystack <-- ababab

0
```

Compile

```
shuqiny2@circinus-27 13:48:46 ~/hw/253P-HW2/src

$ javac HW2_2.java

shuqiny2@circinus-27 13:53:08 ~/hw/253P-HW2/src

$ java HW2_2

peedle <-- na
```

```
Test case 1 (the provided example from the assignment)
```

```
input:
    needle <-- na
    haystack <-- bananas

output:
    2
shuqiny2@circinus-27 13:53:08 ~/hw/253P-HW2/src
$ java HW2_2
needle <-- na
haystack <-- bananas
2</pre>
```

```
Test case 2 (the provided example from the assignment)
```

```
Test case 3
    input:
        needle <-- ""
        haystack <-- "" // Empty String

output:
        -1
shuqiny2@circinus-27 14:12:08 ~/hw/hw2/253P-Hw2/src
$ java HW2_2
needle <--
haystack <--
-1</pre>
```

```
Test case 4

input:

needle <-- aaa
haystack <-- aa

output:

-1
```

```
shuqiny2@circinus-27 14:12:22 ~/hw/hw2/253P-HW2/src

$ java HW2_2

needle <-- aaa

haystack <-- aa

-1
```

```
Test case 5

input:

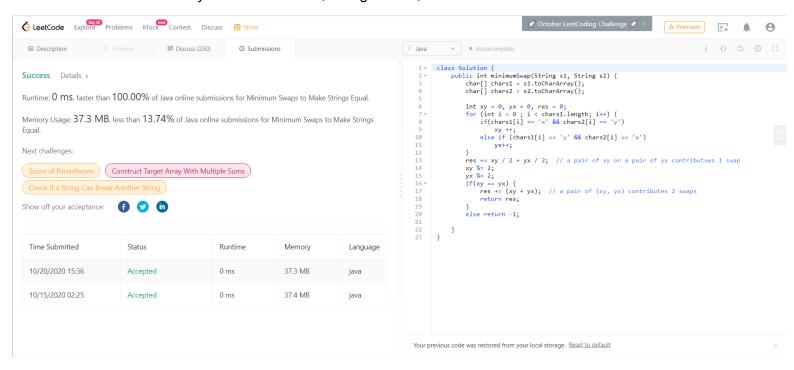
needle <-- bab
haystack <-- abababab

output:

3

shuqiny2@circinus-27 14:12:32 ~/hw/hw2/253P-HW2/src
$ java HW2_2
needle <-- bab
haystack <-- ababababa
3
```

Substitute by LeetCode # 1247, String related, medium



Substitute by LeetCode # 481, string related, medium

