HW 8.3 - DNA Sequence Alignment Part I (25 pts)

Compile

```
shuqiny2@circinus-25 12:28:54 ~/253P/HW8/src
$ javac DNASequenceAlignment.java
shuqiny2@circinus-25 12:29:05 ~/253P/HW8/src
$ java DNASequenceAlignment
```

input:

```
A G C T T G
 T G C G A A
```

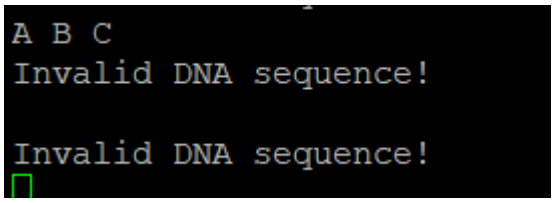
output:

```
A _ G C T T G
T G C G A A _
```

```
shuqiny2@circinus-25 12:29:54 ~/253P/HW8/src
$ java DNASequenceAlignment
A G C T T G
T G C G A A
A _ G C T T G
T G C G A A _
```

Error detection

Illegal letters or empty string



HW 8.4 - DNA Sequence Alignment Part II (25 pts)

Compile

```
shuqiny2@circinus-25 12:35:12 ~/253P/HW8/src
$ javac  DNASequenceAlignmentWithInvalidPairs.java
shuqiny2@circinus-25 12:35:21 ~/253P/HW8/src
$ java  DNASequenceAlignmentWithInvalidPairs
```

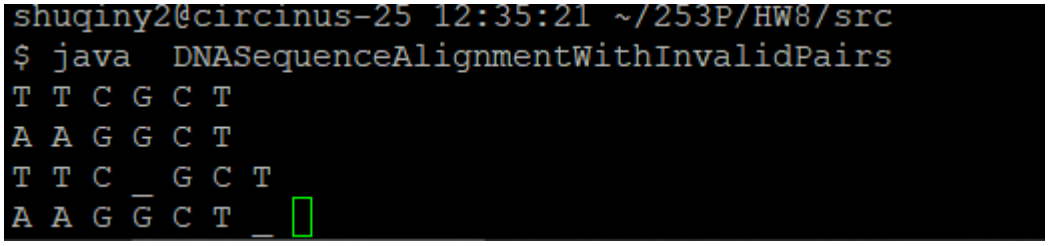
Input:

```
T T C G C T
A A G G C T
```

Output:

```
T T C G C _ T
A A G _ G C T
```

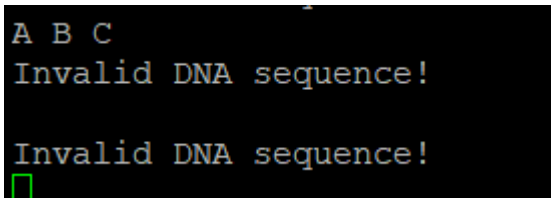
(or equivalent solution)



(This is an equivalent solution to sample output because T - T, C - C, and T – C are with the same penalty)

Error detection (Same as HW8.3)

Illegal letters or empty string



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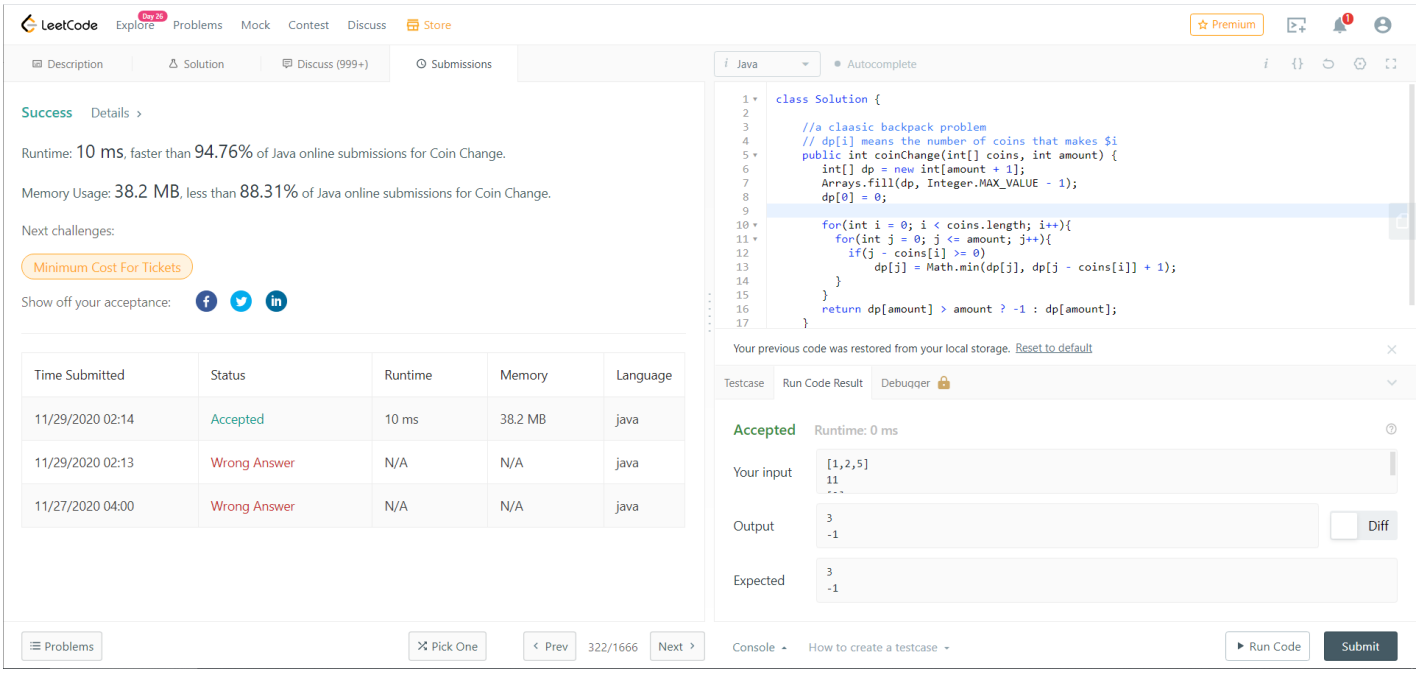

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