Solution 1 Solution 2

Our Solution(s)

Run Code

**Your Solutions** 

14рх

Run Code

```
Solution 1
```

33

// 0(1) time | 0(1) space

----

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 class LRUCache {
     constructor(maxSize) {
       this.cache = {};
       this.maxSize = maxSize || 1;
       this.currentSize = 0;
8
       this.listOfMostRecent = new DoublyLinkedList();
9
10
11
     // O(1) time | O(1) space
12
     insertKeyValuePair(key, value) {
       if (!(key in this.cache)) {
14
         if (this.currentSize === this.maxSize) {
15
           this.evictLeastRecent();
         } else {
16
17
           this.currentSize++;
18
19
         this.cache[key] = new DoublyLinkedListNode(key, value);
20
21
         this.replaceKey(key, value);
23
       this.updateMostRecent(this.cache[key]);
24
25
26
     // O(1) time | O(1) space
27
     getValueFromKey(key) {
28
       if (!(key in this.cache)) return null;
29
       this.updateMostRecent(this.cache[key]);
30
       return this.cache[key].value;
31
```

```
1 // Do not edit the class below except for the insertKeyValuePair,
 ^{2}\, // getValueFromKey, and getMostRecentKey methods. Feel free
 3 // to add new properties and methods to the class.
 4 class LRUCache {
    constructor(maxSize) {
       this.maxSize = maxSize || 1;
9
     insertKeyValuePair(key, value) {
10
       // Write your code here.
11
12
13
     getValueFromKey(key) {
14
       // Write your code here.
15
16
17
     getMostRecentKey() {
18
        // Write your code here.
19
20
21
   // Do not edit the line below.
23
   exports.LRUCache = LRUCache;
```

Solution 3

**Our Tests Custom Output** Submit Code

Run or submit code when you're ready.

the specific principle who is to be specified.