

## L12 PROBLEM 4 (5/5 points)

This problem will ask some questions about the previous problem. You will want to refer to the `Hand` class from `L12_hand.py`.

1. There are two ways to write the `Hand.update` method: you could write this method in a way that gets rid of the key letter in the attribute `hand` dictionary when the frequency of the letter falls to 0, or write it in a way that leaves the key letter in the attribute `hand` dictionary even when the frequency of the letter falls to 0.

Will the two different implementations of the `Hand.update` method lead to `Hand` objects having different `hand` internal attributes?

- ☐ Yes, always
- ☒ Yes, depending on what happened during the `update` call ✓
- ☐ No

**EXPLANATION:**

The internal representation of the `hand` attribute will be different once `update` removes the last of a given letter from the `hand`.

In this case, the `hand` may go from something like `{'a': 2, 'z': 1}` to either `{'a': 1, 'z': 0}` or `{'a': 1}`.

2. There are two ways to write the `Hand.update` method: you could write this method in a way that gets rid of the key letter in the attribute `hand` dictionary when the frequency of the letter falls to 0, or write it in a way that leaves the key letter in the attribute `hand` dictionary even when the frequency of the letter falls to 0.

Does the `calculateLen` method, as defined, return different values for the two different implementations of the `update` method?

- ☐ Yes, always
- ☐ Yes, depending on what happened during the `update` call
- ☒ No ✓

**EXPLANATION:**

The internal representation of the `hand` attribute has no bearing on the results of `calculateLen`.

Check

Hide Answer

Show Discussion

 New Post



About (<https://www.edx.org/about-us>) Jobs (<https://www.edx.org/jobs>)  
Press (<https://www.edx.org/press>) FAQ (<https://www.edx.org/student-faq>)  
Contact (<https://www.edx.org/contact>)



EdX is a non-profit created by founding partners Harvard and MIT whose mission is to bring the best of higher education to students of all ages anywhere in the world, wherever there is Internet access. EdX's free online MOOCs are interactive and subjects include computer science, public health, and artificial intelligence.



(<http://www.meetup.com/YourMeetup>)



(<http://www.facebook.com/EdxOnline>)



(<https://twitter.com/YourPlatformTwitterAcco>)



(<https://plus.google.com/YourGooglePlusAcco>)



(<http://youtube.com/user/edxonline>)

© 2014 edX, some rights reserved.

Terms of Service and Honor Code -  
Privacy Policy (<https://www.edx.org/edx-privacy-policy>)