Subject: Understanding basic DArray and displayDArray
Posted by Witherspoon on Wed, 22 Mar 2017 04:46:45 GMT

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Quote: For example, if the elements 5, 3, 4, 8, and 9 are inserted in the order given and then followed by one removal, the array would display as:

[5,3,4,8][4]

For this problem given in the example, it was my assumption that the dynamic array will have a capacity of the highest vertex value. If that is correct, then 9 would be the highest vertex value and therefore should have an array with capacity of 9. With one value being removed and 4 other spots being currently occupied, it should have a size of 4. 9 total spots minus 4 should leave 5 spots left, correct?

Subject: Re: Understanding basic DArray and displayDArray
Posted by SSinischo on Wed, 22 Mar 2017 04:52:00 GMT

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The capacity of the array has nothing to do with the value of whatever is inside it. The capacity doubles when the array is full and halves when the size is less than 25%, according to the specs.

Subject: Re: Understanding basic DArray and displayDArray
Posted by jarobinson3 on Wed, 22 Mar 2017 14:44:48 GMT

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From my understanding displaying the dynamic array outputs the contents of the array followed by the number of empty spots in the array. This means if the capacity is 8 but you have 6 elements then you would display the 6 elements followed by the number of empty slots, which is 2.