Try running this test:
DArray *array = newDArray(displayInteger);
insertDArray(array,newInteger(3));
removeDArray(array);
displayDArray(stdout,array);
insertDArray(array,newInteger(4));
insertDArray(array,newInteger(7));
insertDArray(array,newInteger(2));
displayDArray(stdout,array);
for (int i = 0; i < 5000; i++) insertDArray(array,newInteger(7));
for (int i = 0; i < 4999; i++) removeDArray(array);
displayDArray(stdout,array);
fprintf(stdout,"%d\n",getInteger(getDArray(array,0)));
Do you get this? I hope so:
[[1][4,7,2][1][4,7,2,7][12]4
Mine matches except mine printing an extra comma after the second 7 in the third line. In my displayDArray, after I print array[i], I check if array[i+1] is NULL, if not, I print a comma. Does that sound right?

Do you set all the unused values in your array to NULL when you create it and when it grows? If not that might be why the check for NULL is not evaluating correctly.

Can also confirm.

Since the spec says that the output should have no white space or newline following the last set of brackets, shouldn’t the output be][][1][4,7,2][1][4,7,2,7][12]4?

You are correct. Will update.

I am getting (im adding the '\n' here just for readability):

```
[]
[2]
```
which means that my shrinking is slightly off?

Any suggestions? I believe I am checking for the shrinking correctly. I also believe that I am shrinking to the correct size. I also realize that just because I believe something does not mean that it is true...

Edit: Fixed it! It was, in fact, me checking if the array was full incorrectly. Man, I'm glad this forum exists!!!

Subject: Re: DArray Test  
Posted by lusth on Fri, 31 Mar 2017 14:48:48 GMT  
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Just a note. Make sure you never shrink the capacity to zero. If you do so, doubling the array capacity doesn't do much good.

Subject: Re: DArray Test  
Posted by jarobinson3 on Sat, 01 Apr 2017 16:18:35 GMT  
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Mine is

[[1][4,7,2][1][4,7,2,7][12]4]