

Java Recursive Array for final exam

Task I: DimensionChecker.java

This class can check how many dimension the array is using recursion

Example: `int[][][] arr = new int[1][2][3];`

Use `DimensionChecker.dimension(arr)` will return 3;

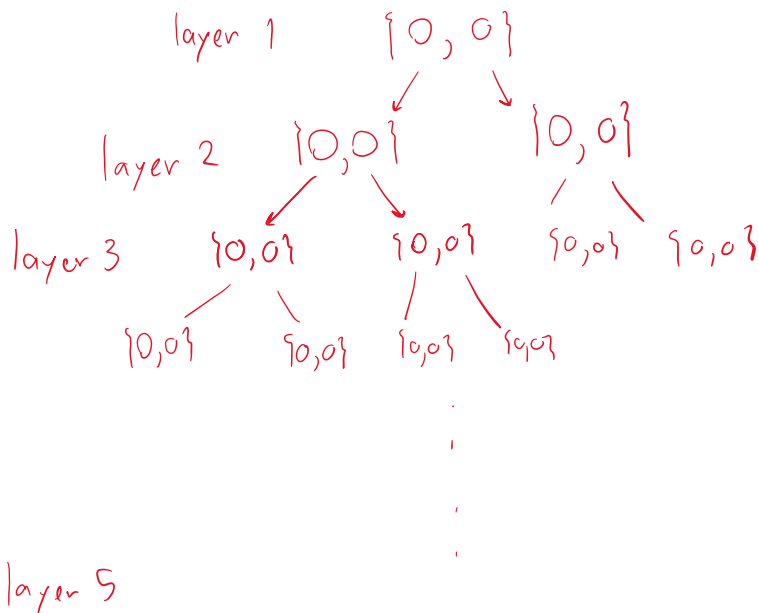
The result from test case(`DimensionCounterTest`) will be like this:

```
Case[1](1D array)have: 1 dimension(s)
Case[2](array in array case)have: 2 dimension(s)
Case[3](not array)have: NOT ARRAY
Case[4](Integer Array)have: 2 dimension(s)
Case[5](Arrays in array (10 layers))have: 10 dimension(s)
```

Task II: ArrFill.java

This will fill each of the element of the arr (one dimensional) with an `Object[]` with 'size' length, do this until the input array reaches 'x' dimensions

Example: `Object[] x = new Object[2]; size = 2, x = 5;`



The result from test case(MassFillTest) will be like this:

```
//-----TESTER FOR DimensionChecker-----//  
  
case[0]( increase to 0 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 1 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 2 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 3 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 4 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 5 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 6 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 7 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 8 layer(s): have 0 layers(check with dimension checker)  
case[0]( increase to 9 layer(s): have 0 layers(check with dimension checker)  
  
//-----END OF TESTING-----//
```

Finally when you finish both tasks, run visualizeTest(), the result should be like this:

```
1:0|  
2:00|  
3:00|00|  
4:00|00|00|00|  
5:00|00|00|00|00|00|00|00|
```