

# M3: Hands-On: Dynamic Array Resizing Results for Honey Reddy Nagireddy

⚠️ Correct answers are hidden.

Score for this attempt: 1 out of 1

Submitted Feb 22 at 10:05am

This attempt took less than 1 minute.

## Question 1

1 / 1 pts

Consider the object **b** below, an instance of the **ArrayBag** class discussed in lecture and illustrated in lab. Recall that the **ArrayBag** uses an array as the physical storage structure and uses the *dynamic resizing* strategy exactly as we discussed in class. Assuming the array begins with capacity 1, what will the **capacity** (i.e., length) of the array be after the following sequence of statements are executed?

```
ArrayBag b = new ArrayBag();  
for (int i = 1; i <= 18; i++) {  
    b.add(i);  
}  
for (int i = 1; i <= 15; i++) {  
    b.remove(i);  
}
```

- A. 4
- B. 8
- C. 16
- D. 32

☐ A

☒ B

☐ C

☐ D

Quiz Score: 1 out of 1