Clicker: frequency BB

How many memory cells are used to represent '(it seems (that you like me))?

- A. 7
- B. 8
- C. 13
- D. 14
- E. None of the above

13

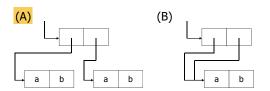
Clicker: frequency BB

How many memory cells are used to represent '(it (seems that) (you) (like me))?

- A. 8
- B. 9
- C. 14
- D. 15
- E. None of the above

14

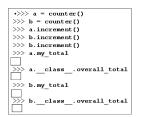
Clicker: frequency BB



Which one is the result of evaluating (cons (cons 'a 'b) (cons 'a 'b))?

Clicker: frequency BB

```
class counter:
   overall_total = 0
      # class attribute
   def __init_ (self):
      self.my_total = 0
      # data attribute
   def increment(self):
      counter.overall_total = \
      counter.overall_total + 1
      self.my_total = \
      self.my_total + 1
```



What's the value of a.my_total?

A: 1; B: 2; C: 3; D: 4

16

Clicker: frequency BB

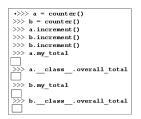
17

What's value of a.__class__.overall_total?

A: 1; B: 2; C: 3; D: 4

Clicker: frequency BB

```
class counter:
    overall_total = 0
        # class attribute
    def __init__(self):
        self.my_total = 0
            # data attribute
    def increment(self):
        counter.overall_total = \
        counter.overall_total + 1
        self.my_total = \
        self.my_total + 1
```



What's value of b.my_total?

A: 1; B: 2; C: 3; D: 4

18

Clicker: frequency BB

```
class counter:
   overall_total = 0
     # class attribute
   def __init_ (self):
        self.my_total = 0
        # data attribute
   def increment(self):
        counter.overall_total = \
        counter.overall_total + 1
        self.my_total = \
        self.my_total + 1
```

```
| *>>> a = counter()

| >>> b = counter()

| >>> a.increment()

| >>> b.increment()

| >>> b.increment()

| >>> a...glass_.overall_total

| | >>> b.my_total

| | >>> b.my_total
```

What's value of b.__class__.overall_total?

A: 1; B: 2; C: 3; D: 4

19

```
Clicker: frequency BB
class A {
   public void display(A a) {
         System.out.println("In A.display(A)");}
   public void display(B b) {
    System.out.println("In A.display(B)");}
                                                      What's the result
                                                      of ab.display(ab)?
class B extends A {
                                                      A. In A.display(A)
   public void display(A a) {
                                                      B. In A.display(B)
        System.out.println("In B.display(A)");}
   public void display(B b) {
                                                      C. In B.display(A)
        System.out.println("In B.display(B)");}
                                                      D. In B.display(B)
A ab = new B();
ab.display(ab);
```

Example 3

```
class A {
    A () {}
    public void display(A a) {System.out.println("In A.display(A)");}
    // public void display(B b) {System.out.println("In A.display(B)");}
}
class B extends A {
    B() {}
    public void display(A a) {System.out.println("In B.display(A)");}
    public void display(B b) {System.out.println("In B.display(B)");}
}
```

21

23

Clicker: frequency BB

```
A a = new A();
B b = new B();
A ab = new B();
```

What's the result of ab.display(b)?

A. In A.display(A)

B. In B.display(A)

C. In B.display(B)

D. Runtime error

22

Clicker: frequency BB

```
A a = new A();
B b = new B();
A ab = new B();
```

What's the result of ab.display(a)?

A. In A.display(A)

B. In B.display(A)

C. In B.display(B)

D. Runtime error

Clicker: frequency BB

```
A a = new A();
B b = new B();
A ab = new B();
```

What's the result of b.display(ab)?

A. In A.display(A)

B. In B.display(A)

C. In B.display(B)

D. Runtime error

24

Clicker: frequency BB

```
A a = new A();
B b = new B();
A ab = new B();
```

What's the result of b.display(b)?

- A. In A.display(A)
 B. In B.display(A)
 C. In B.display(B)
 D. Runtime error