

b2.equals(b3)	
b2.equals(b4)	
✓ b3.equals(b1)	
✓	
Explanation Behavioral equality of mutable ADTs requires two references to be equal if and only if they are aliases for the same object. So b1 and b3 must but b2 must not be equal to them, and it must also not be equal to b4. Symmetry should also still apply.	compare equal,
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bean bag	
1/1 point (graded)	
If Bag were part of the Java API, it would probably implement observational equality, counter to the recommendation in the reading.	
If Bag implemented observational equality despite the dangers, which of the following expressions are true? Check all that apply.	
b1.equals(b2)	
✓ b1.equals(b3)	
b1.equals(b4)	
b2.equals(b3)	
☑ b2.equals(b4)	
☑ b3.equals(b1)	
✓	
Explanation Equality is now defined by the observer operation count , so b1 and b3 are certainly equal, but b2 and b4 are now considered equal as The Java Collections implement observational equality because it is often convenient, but it would be better to implement a different operation fo equality of mutable types.	
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