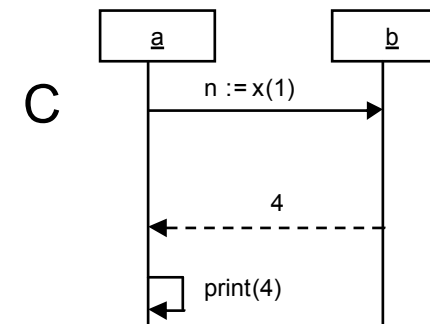
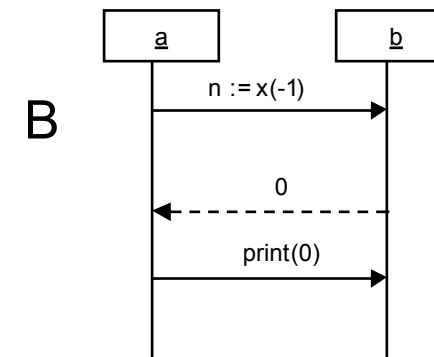
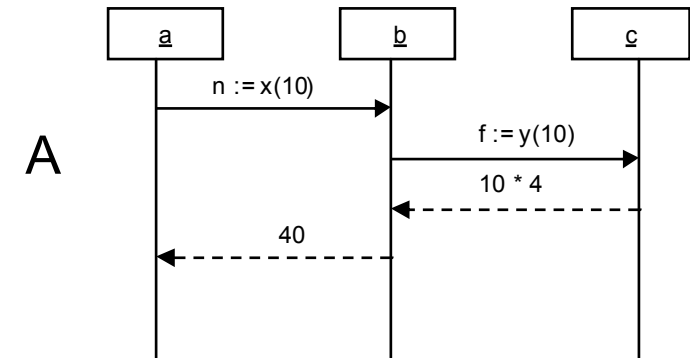
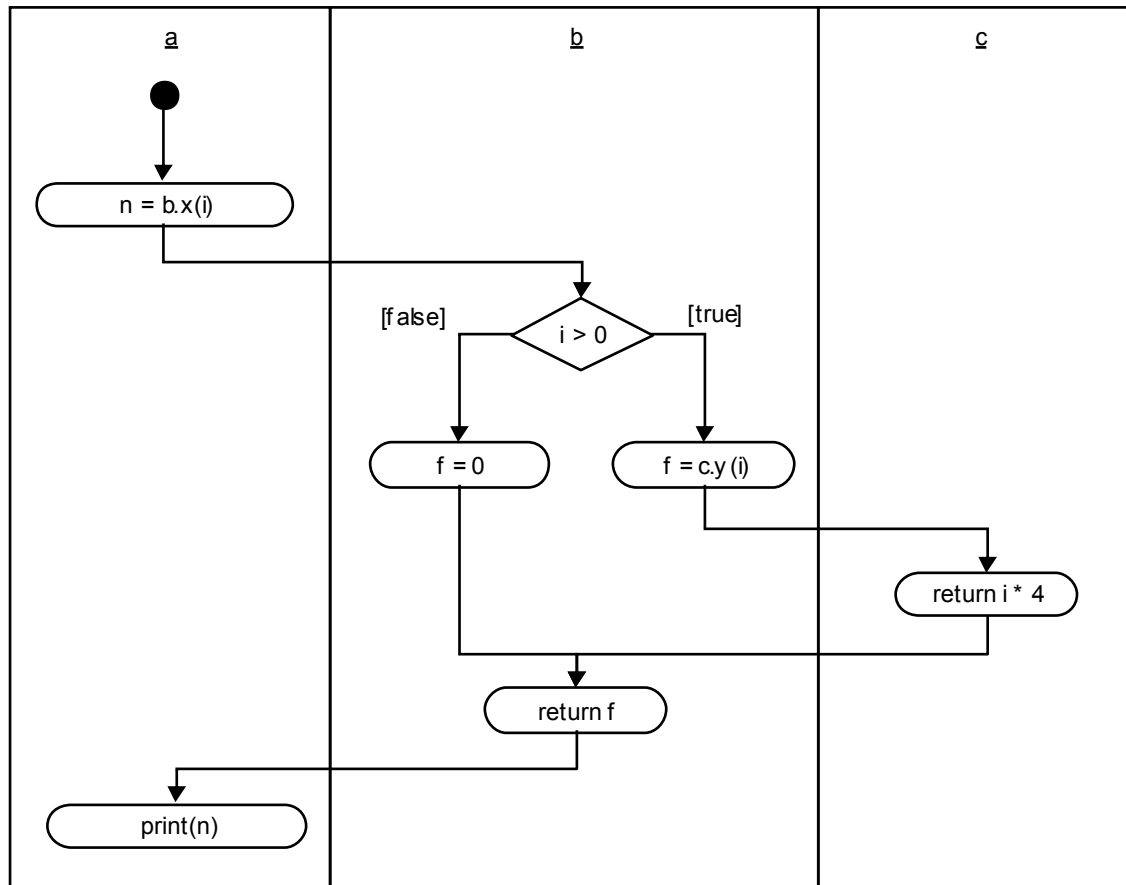


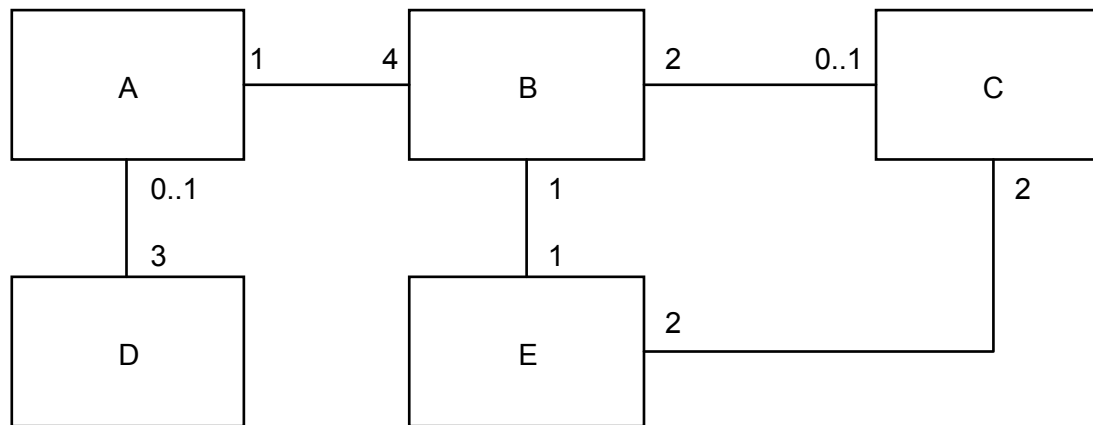
UML Quiz II

Jason Gorman

1. Which sequence diagram is *not* valid if it comes from the same model as the activity diagram?

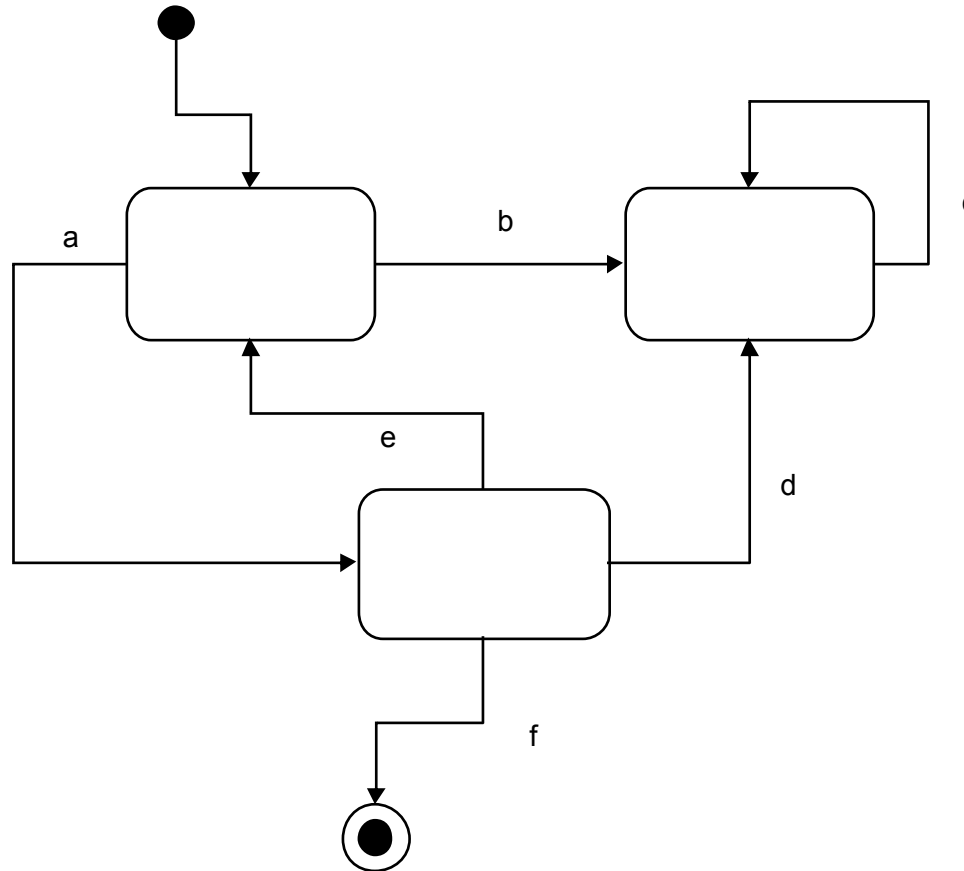


2. Calculate the effective multiplicity of each of the following navigations?

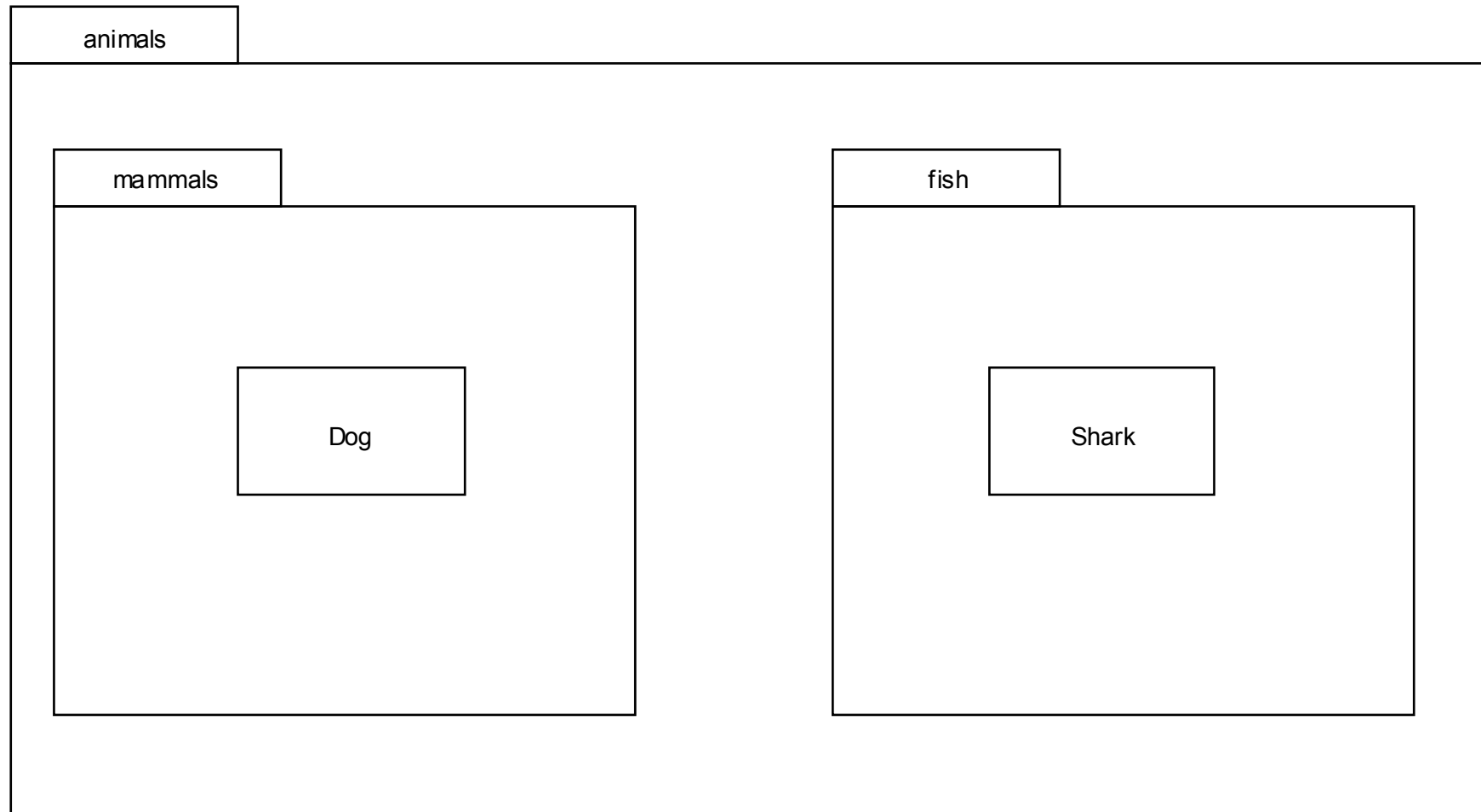


- i. a.b.c
- ii. d.a.b.c
- iii. e.c.b.a.d
- iv. a.b.e.c.b

3. List three sequences of events (beginning from the start state) that will cause the state machine to get stuck

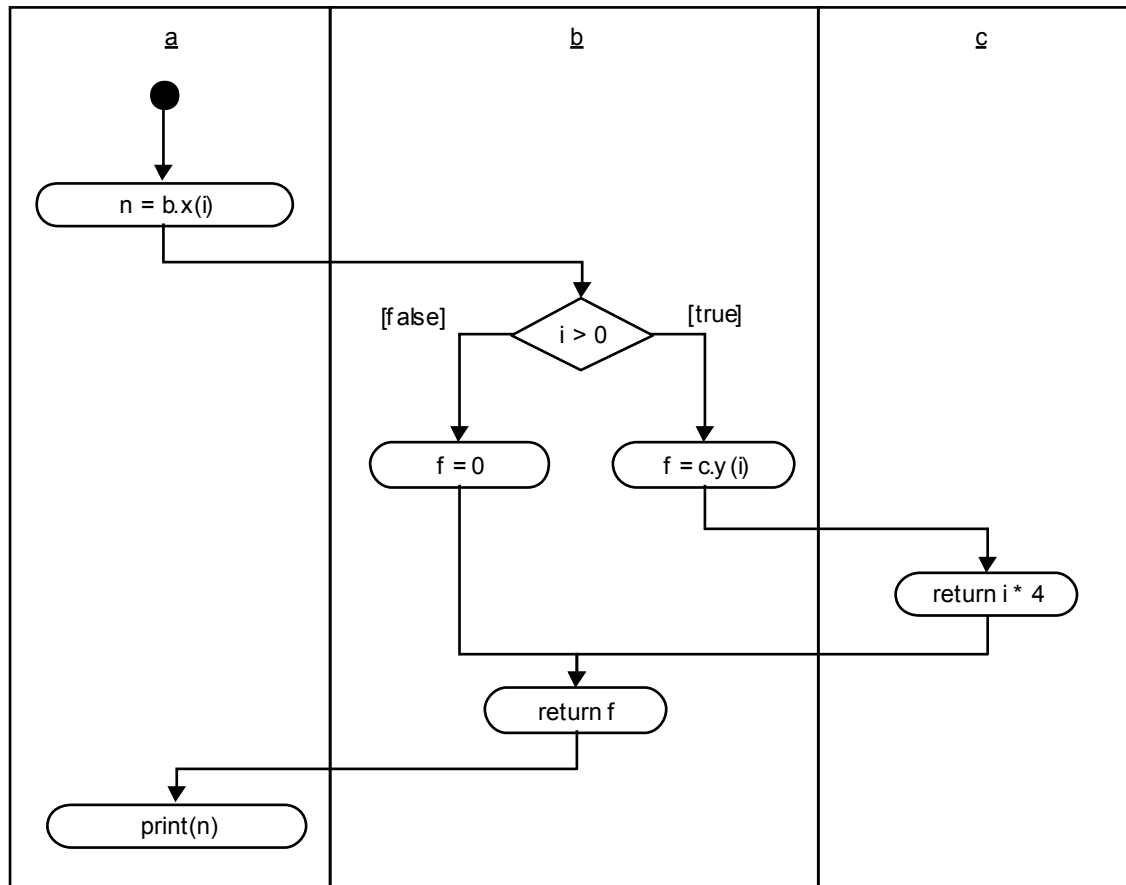


4. Using the shortest qualified name, how should the class Dog refer to the class Shark?

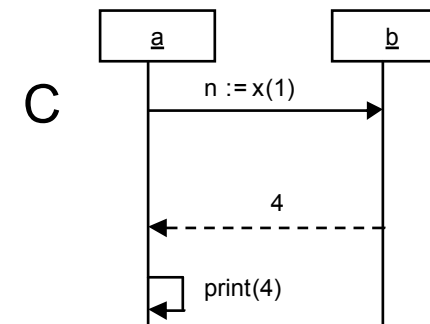
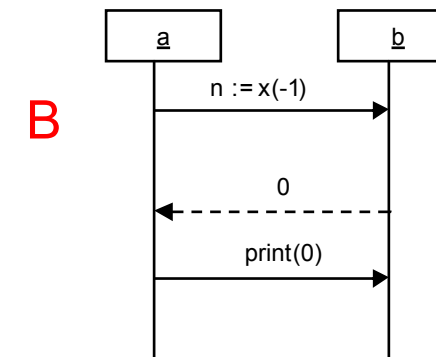
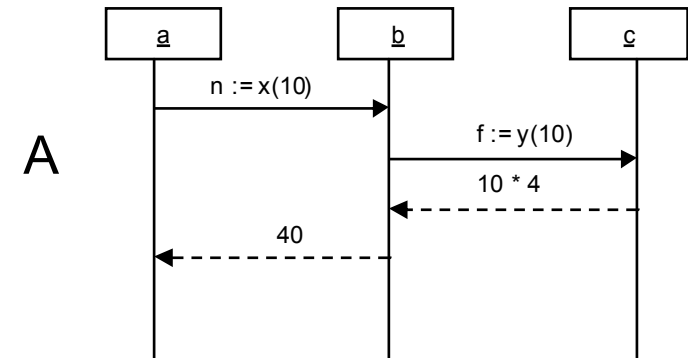


Solutions

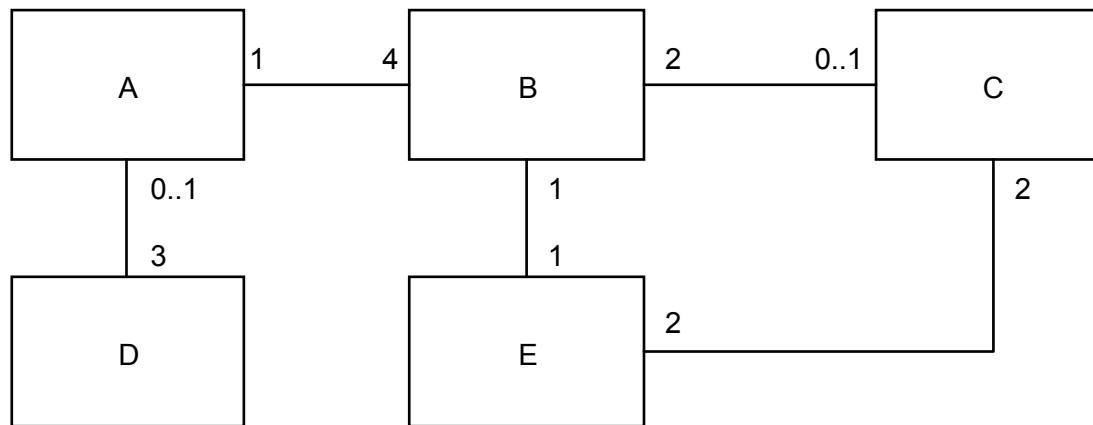
1. Which sequence diagram is *not* valid if it comes from the same model as the activity diagram?



The answer is B, because print(n) is not a method on object *b*

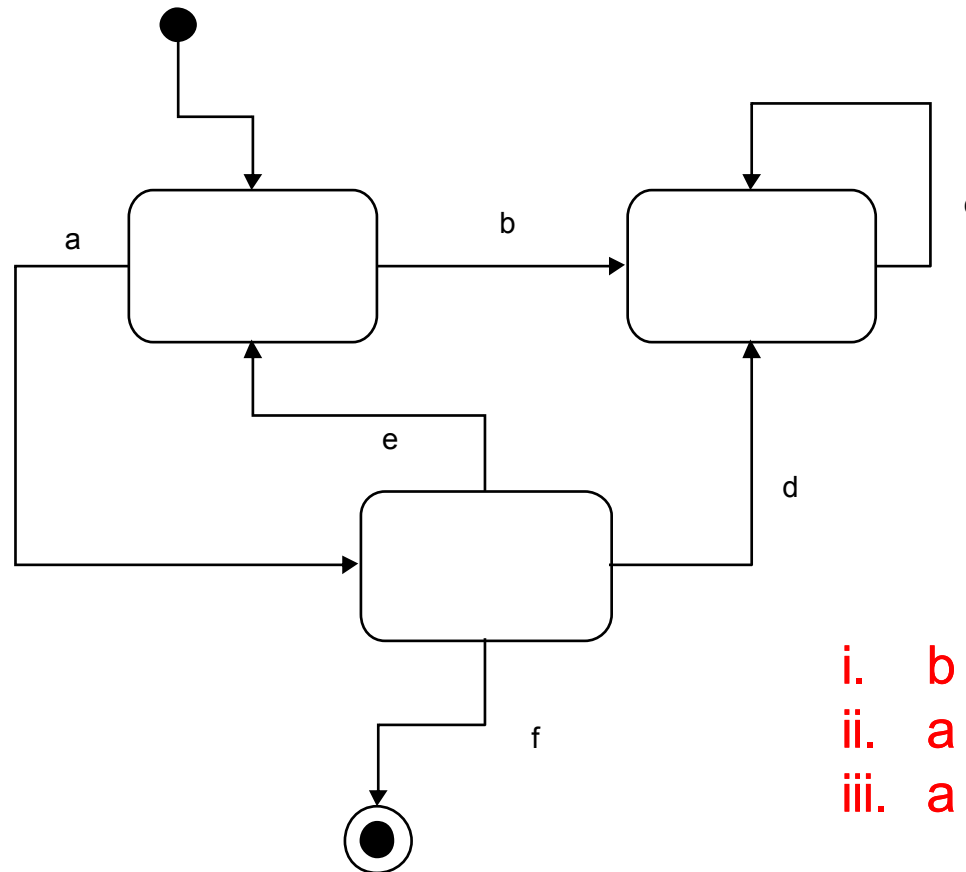


2. Calculate the derived multiplicity of each of the following navigations?



- | | |
|----------------|----------|
| i. a.b.c | i. 0..4 |
| ii. d.a.b.c | ii. 0..4 |
| iii. e.c.b.a.d | iii. 12 |
| iv. a.b.e.c.b | iv. 16 |

3. List three unique sequences of events (beginning from the start state) that will cause the state machine to get stuck



- i. b
- ii. a -> e -> b
- iii. a -> d

All end up in a state where the only transition possible is back to itself

4. Using the shortest qualified name, how should the class Dog refer to the class Shark?

