HEAP and STACK Diagram for Sample.java
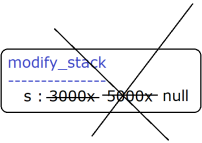---
HEAP MEMORY

1000x : SampleObject, i1 : 2000x
2000x : IntegerObject,900
3000x : SampleObject, i1 : 4000x
4000x : IntegerObject, ~~900~~ 9
5000x : SampleObject, i1 : 6000x
6000x : IntegerObject, ~~900~~ 20

STACK MEMORY
main_stack

s1 : ~~1000x~~ null
s2 : 3000x
s3 : null

modify_stack
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s : ~~3000x~~ ~~5000x~~ null

HEAP and STACK Diagram for Test.java

HEAP MEMORY
                           3000x
1000x : TestObject, t : ~~null~~ ,val :100

                        ~~3000x~~ 2000x
2000x : TestObject, t : ~~1000~~ ,val :200

                           4000x
3000x : TestObject, t : ~~1000x~~ ,val :300

4000x : TestObject, t : 2000x ,val :400

STACK MEMORY
main_stack
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t1 : 1000x
t2 : 2000x
t3 : 3000x
t4 : 4000x

t2.t = t3; //3000x
t3.t = t4; //4000x
t1.t = t2.t; //3000x
t2.t = t4.t; //2000x

System.out.println(t1.t.val); //300
System.out.println(t2.t.val); //200
System.out.println(t3.t.val); //400
System.out.println(t4.t.val); //200

HEAP and STACK Digarm for Demo.java

HEAP MEMORY
1000x : DemoObject, x : 0   , y : 0

2000x : DemoObject, x : 0   , y : 0

STACK MEMORY
main_stack
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d1 : 1000x
d2 : 2000x