```
method A()
                                                                                            instance sum
                                                                              local y
                                                   states
                                                               local X
public class Test {
 int sum;
                                                initial
                                                                   0
                                                                                                0
                                                                                0
 public int y;
 public void methodA() {
                                                                                                 0
                                                                   0
                                                                               7
                                                4= 4+7
   int x = 0, y = 0;
                                                x= y+11
                                                                  18
   y = y + 7;
x = y + 11;
                                                                                7
                                                                                                 0
                                               Sum = x+ y
   sum = x + y;
                                                                                               25
                                                                 18
                                                                               7
   System.out.println(x + " " + y + "
                                   + sum);
                                                                  18
                                                                               25
                                                print
                                                                          7
 public void methodB() {
   int x = 0;
                                             method B()
   y = y + 11;
x = x + 33 + y;
                                                                                        instance sum
                                                              local x instance y
   sum = sum + x + y;
System.out.println(x + "
                                                states
                                                                                             25
                                                                0
                                                                             0
                                               initial
 // Trace the outputs
                                                                                            25
                                                                0
                                                                           11
                                                9 = 9 + 11
 public static void main(String[] args) {
   Test t = new Test():
                                                                                           25
                                                                           11
                                                               94
                                               x=x+33+4
   t.methodA(); ~
   t.methodB();
                                              sum = sum+
                                                                                          80
                                                             44
                                                                         11
                                                     x+ y
                                                                                80
                                                Print
                                                               4 4
                                                                        11
```









