Type: FMB  
1. What are variables' values after the following code segment is executed?  
int quantity = 8;  
boolean f = 9 <= quantity;  
quantity: [8]
f: [false]  
  
Type: FMB  
2. What are variables' values after the following code segment is executed?  
boolean tall = false || true && false && true;  
tall: [false]  
  
Type: FMB  
3. Specify the output and the variables' values after the following code segment is executed.  
  
int index = 4;  
if (index < 2)  
{  
 System.out.print(index);  
 index = index - 1;  
}  
If there is no output, please specify "nothing" (no quotes) in the blank for the output.  
output of the code: [nothing]
index: [4]  
  
Type: FMB  
4. Specify the variables' values after the following code segment is executed.  
  
int x = 2;  
int y = 5;  
int z = 12;  
  
if (y % x == 0)  
{  
 if (x >= z)  
 {  
 z = x \* y;  
 }  
 else  
 {  
 z = x \* x;  
 }  
}  
else  
{  
 if (z >= x + y)  
 {  
 if (x >= y)  
 {  
 y = y \* y;  
 }  
 else  
 {  
 z = z \* z;  
 }  
 }  
}  
x: [2]
y: [5]
z: [144]