

18. 2. 4

04/16

10:09 AM

write a recursive method
for computing 2^n for a positive

```
integer n.  
public class Test {  
    public static void main(String[] args) {  
        System.out.println(ComputeTwoN(3));  
    }  
  
    public static int computeTwoN(int n) {  
        if (n == 0) [base case]  $2^0 = 1$   
            return 1;  
        return 2 * Math.pow(2, n-1);  
    }  
}
```