

# 1. 2<sup>nd</sup>/3<sup>rd</sup> : may cause out of bounds.  
3<sup>rd</sup> before 2<sup>nd</sup> : may cause repetition

# 2. Order doesn't matter { doesn't change

# 3. Yes, that's the shortest

```
3 import java.awt.Color;
4
5 public interface GridColors
6 {
7     Color PATH = Color.white;
8     Color TEMPORARY = Color.black;
9     Color ABNORMAL = Color.light_gray;
10    Color BACKGROUND = Color.dark_gray;
11 }
12
13 2)
14 public resetTemp(int x, int y)
15 {
16     if(x >= maze.getNCols() || y >= maze.getNRows())
17     {
18         return;
19     }
20     else
21     {
22         if(maze.getColor(x,y).equals(TEMPORARY))
23         {
24             maze.recolor(x,y,BACKGROUND);
25         }
26         resetTemp(x, y+1);
27         resetTemp(x+1, y);
28     }
29 }
30
31 3).
32 public void restore()
33 {
34     resetTemp(0,0);
35     maze.recolor(PATH, BACKGROUND);
36 }
```