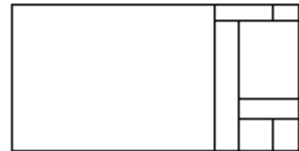
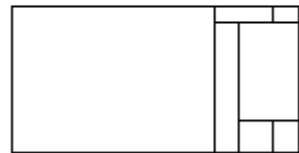
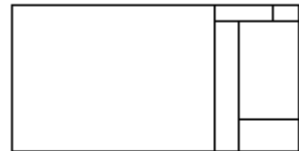
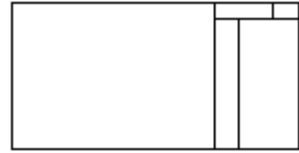
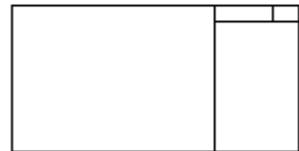
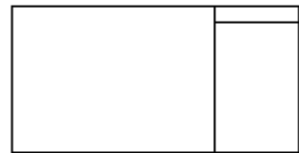
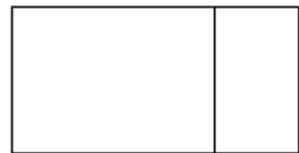


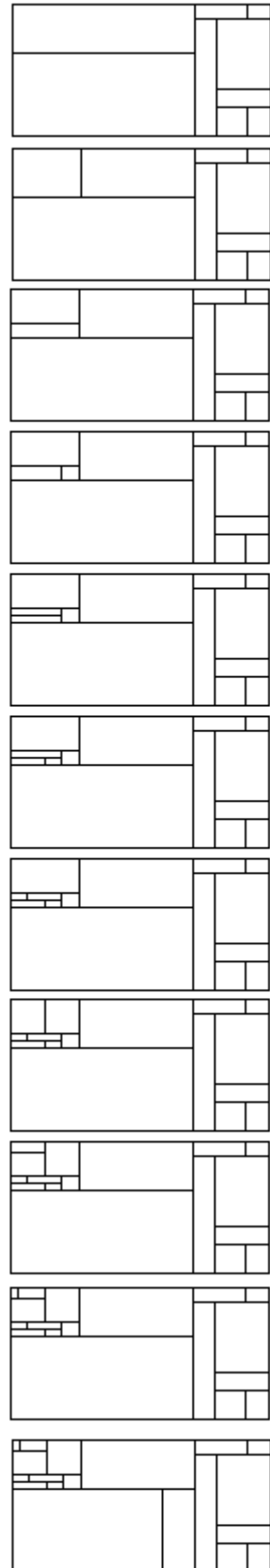
12.02 Virtual Lecture Notes

Mondrianian-like art is not difficult to imitate. The following instructions describe a step-by-step process that uses the principle of recursion to create an image that resembles the Neoplastic art style. There is an infinite variety of rectangles and colors that could be chosen, although not all would be aesthetically pleasing. As you examine this sequence, try to understand how recursion has been applied.

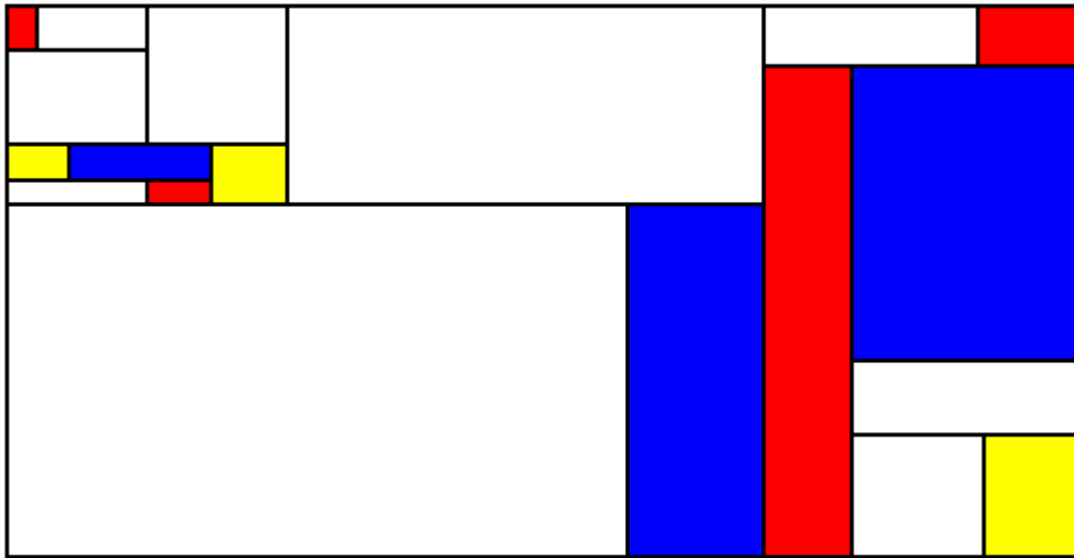
1. Start with a blank, rectangular canvas.
2. Divide the canvas into two smaller rectangles, with either a vertical or a horizontal line. (The size of either rectangle is up to you. In this example, we start with a vertical line. You can adapt the instructions if you choose to start with a horizontal line.)
3. Using the example on the right, start with the smaller of the two rectangles and divide it with a horizontal line into two even smaller rectangles.
4. Divide the very small horizontal rectangle at the top of the rectangle on the right side with a vertical line. You can continue dividing until your artistic muse is satisfied.
5. Next, turn your attention to the rectangle in the bottom of the original rectangle on the right. Draw a vertical line.
6. Continue working on this rectangle until you are satisfied with the design. Can you follow the sequence of divisions through to the bottom of this series?
7. Once you finish with the original rectangle on the right, it is time to turn your attention to the bigger rectangle on the left.



8. Divide the rectangle on the left with a horizontal line.
9. Divide the smaller top rectangle on the left with a vertical line.
10. Continue dividing rectangles until you create a design you are satisfied with.
11. Follow the sequence of divisions through to the last canvas and see if you can detect a pattern.



As a final step, primary colors can be applied to express your concept.



Sunset on Bird Island
B. Jordan, 07/07/2007