

Recursive drawing challenges (StdDraw)

#1

Write two methods to create concentric circles, one growing inside out and the other, shrinking (outside in), by completing the code in **RecCircleTest.java** [6 marks]

#2

RecursiveSquares.java (which requires and uses **StdDraw.java** to draw graphics) generates the recursive pattern shown next page, in figure **a**.

Examine the code carefully. Focus on the **draw** recursive method (lines 35 to 41).

For 3 challenge points, modify **RecursiveSquares.java** in order to generate the patterns shown in **b**, **c** and **d**. You should name your answers to this challenge **RecursiveSquaresB.java**, **RecursiveSquaresC.java** and **RecursiveSquaresD.java**

[3 marks]

Compress your answers (“zip” them) and submit the compressed archive (zip file) to the corresponding online homework. [1 base mark]

Good luck!

