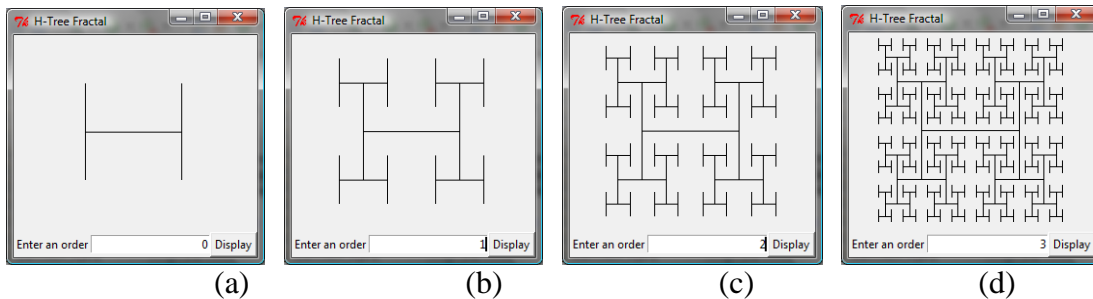


Please write a program to display H-tree fractal described as follows:

1. Begin with a letter H. The three lines of the H are of the same length, as shown in Figure a.
2. The letter H (in its sans-serif form, H) has four endpoints. Draw an H centered at each of the four endpoints to an H-tree of order 1, as shown in Figure b. These H's are half the size of the H that contains the four endpoints.
3. Repeat step 2 to create a H-tree of order 2, 3, ..., and so on, as shown in Figure c-d.



The H-tree is used in VLSI design as a clock distribution network for routing timing signals to all parts of a chip with equal propagation delays. Write an Application that draws an H-tree, as shown in the figure.

What to upload in CSNS?

1. Java source file
2. Screen shot of two sample runs

Without source code and screenshots, your homework will not be graded.