ITSC202 - Project 08-01

Part A, weight 0.5

Write a program **startreea.c** that will print the tree pattern below. The width, height, and trunk thickness of the tree are defined by following macros. The program must adjust for perfect symmetry, that is, if the trunk width is even, increment it by one to make it odd.

```
#define ROWS 10
#define TRUNK_HEIGHT 5
#define TRUNK_WIDTH 4
```

```
$ startree
              *
             ***
            *****
           *******
          *********
         ***********
        *************
       ***************
      *****************
     *******************
             HHHHH
             HHHHH
             HHHHH
             HHHHH
             HHHHH
```

Part B, weight 0.5

Write a program **startreeb.c,** which will take the three parameters from the command line, in the same order as the macro defined above.

Part C, weight 0.5

Write a program **startreec.c,** which will prompt the user for each parameter on a separate line.
Enter rows:
Enter height:
Enter width: