

CSCE 155 – Lab: Recursion

Worksheet – Java Version

Name _____

- Activity 1: test your program on the following inputs:
 - “abba”
 - “aaba”
 - “foobar”
 - “civic”
 - “civil”
 - “foo”
- Fill out the following table with the specified values using the `RecursiveFunction` program.

n	f(n)	Time (s)
0		
1		
2		
5		
10		
20		
30		
40		
42		
44		
46		
48		

- Without actually running it, make a prediction on how long it would take to run the program for $n = 50$. How long would it run for $n = 100$?

2. What values do you get for each of the following inputs with your Jacobsthal program?

a. $n = 0$

b. $n = 1$

c. $n = 5$

d. $n = 10$

e. $n = 20$

f. $n = 32$

3. Demonstrate your working suffix generator program to a lab instructor.

Lab Instructor Signature_____