Quiz 5B: Context Free Grammar

CS 212 Nature of Computation

Habib University — Fall 2023

Total Marks: 10	Date: September 20, 2023
Duration: 10 minutes	Time: 830–840h
Student ID:	
Student Name:	·
1. (10 points) Consider the grammar given by the following rule. $A\implies A\circ A\mid A\wr A\mid 0\mid 1$ Use the string, $0\circ 1\wr 1$, to show that the grammar is ambiguous.	
Solution: The string, $0 \circ 1 \wr 1$, has two different parse trees for the Therefore the grammar is ambiguous.	given grammar as shown below.
A	A