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CS450

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Title: HW4

Step 1

Input: An empty line is a bug

Token Name	Token Values = Lexemes
article	an
adjective	Empty
noun	line
verb	is
article	a
noun	Bug

Input: This line is a longer sentence

Token Name	Token Values = Lexemes
article	This
noun	Line
verb	Is
article	a
adjective	Longer
noun	sentence

Step 2

Input:

Token Name	Token Values = Lexemes
article	an
adjective	Empty
noun	line
verb	is
article	a
noun	Bug

Derivation:

Article adjective noun verb article noun

Input:

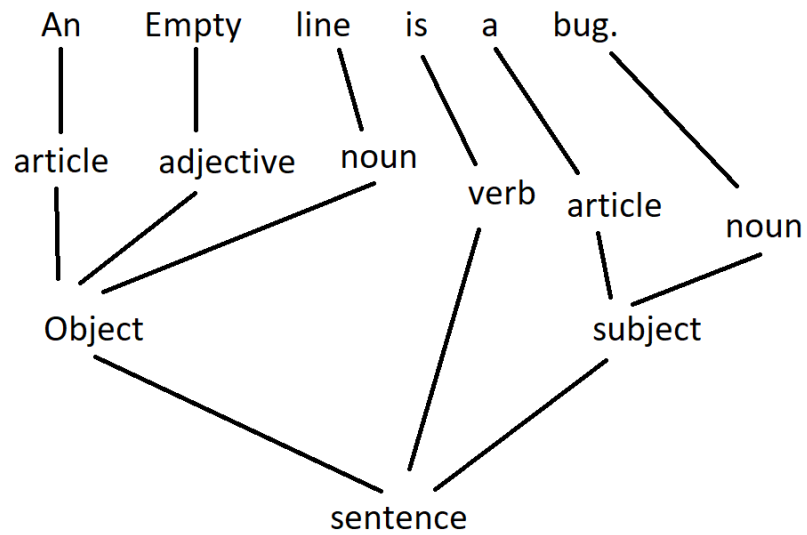
Token Name	Token Values = Lexemes
article	This
noun	Line
verb	Is
article	a
adjective	Longer
noun	sentence

Derivation:

Article noun verb article adjective noun

Parser Tree:

An empty line is a bug.



This is a longer sentence.

