Task 1: BNF ?

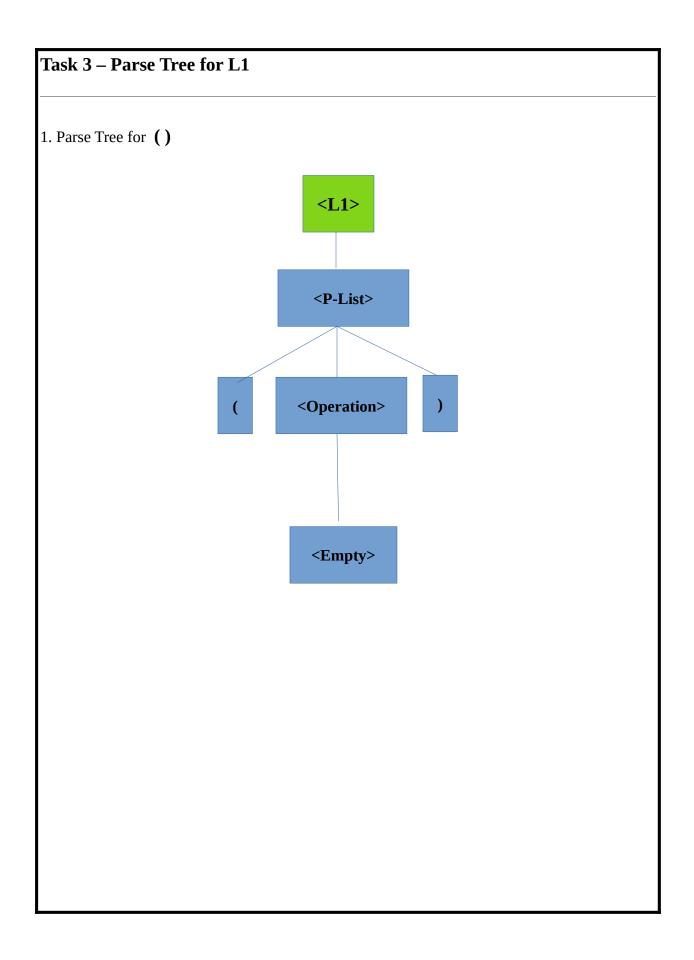
"BNF stands for Backus Naur Form it is a Formalization of a language that is to say that it is a map to all possible inputs in a language. In essence it is the constraints a given language has, this allows for a diagrammatic representation of a language, giving a visual representation of what is allowed at all levels in the language.

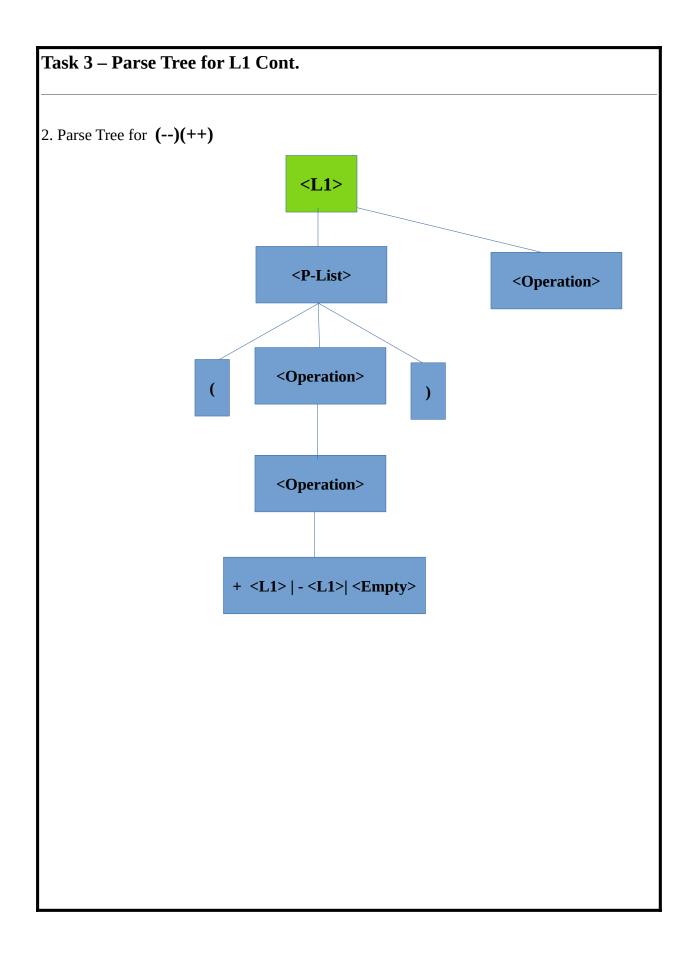
Task 2: BNF Description of L1s

<L1> ::= <P-List > | <Operation>

<P-List> :: = (<Operation>) | <empty>

<Operation>::= + <L1> | -<L1> | <empty>



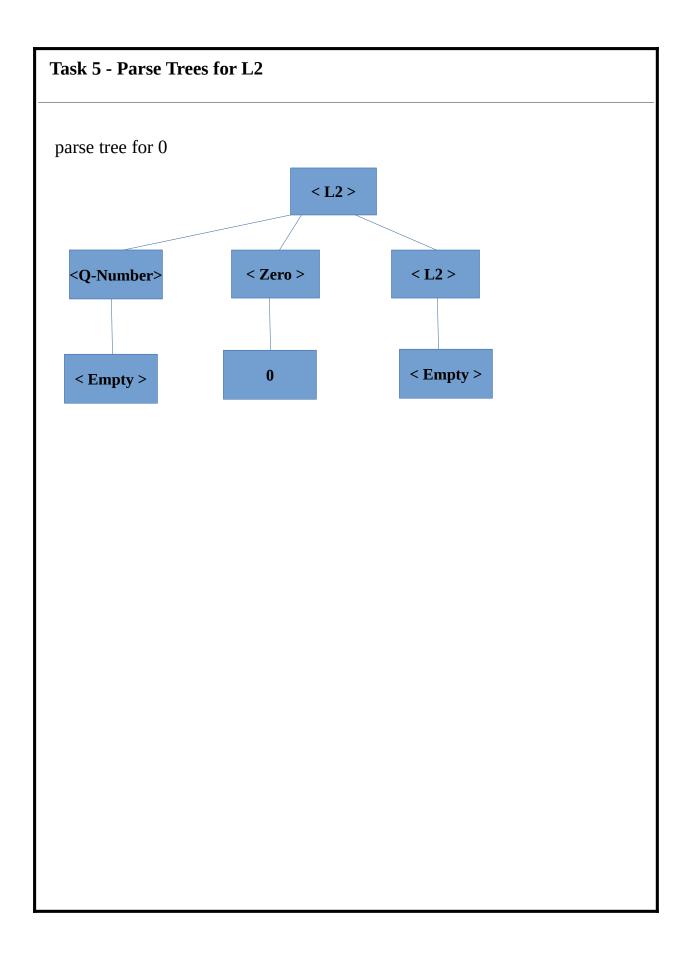


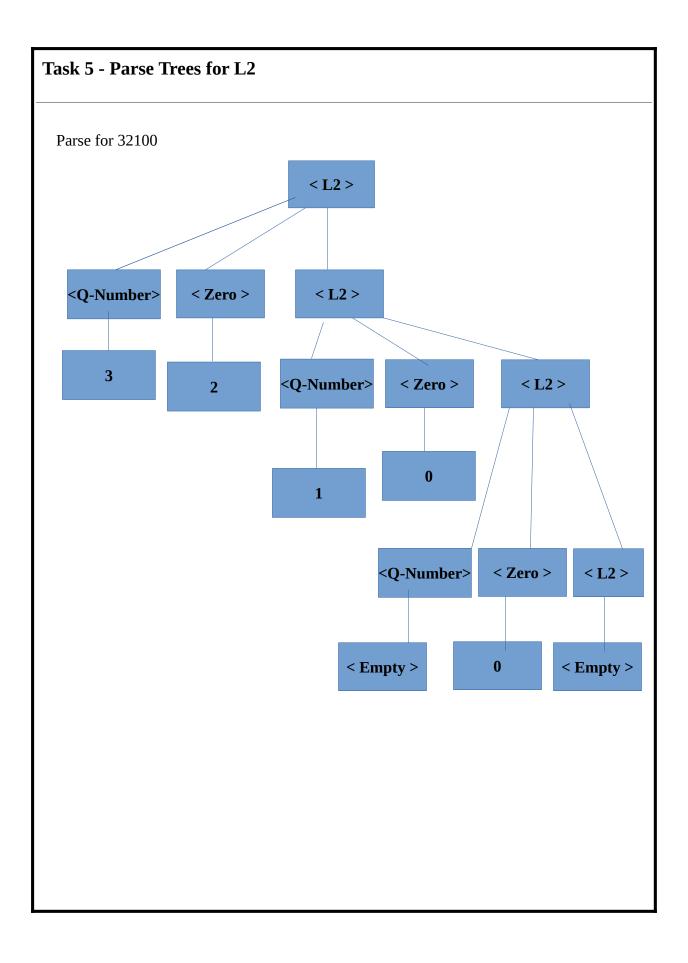
Task 4– BNF Description of L2

<L2> ::= < Q-Number > < Zero > < L2 > | < Empty >

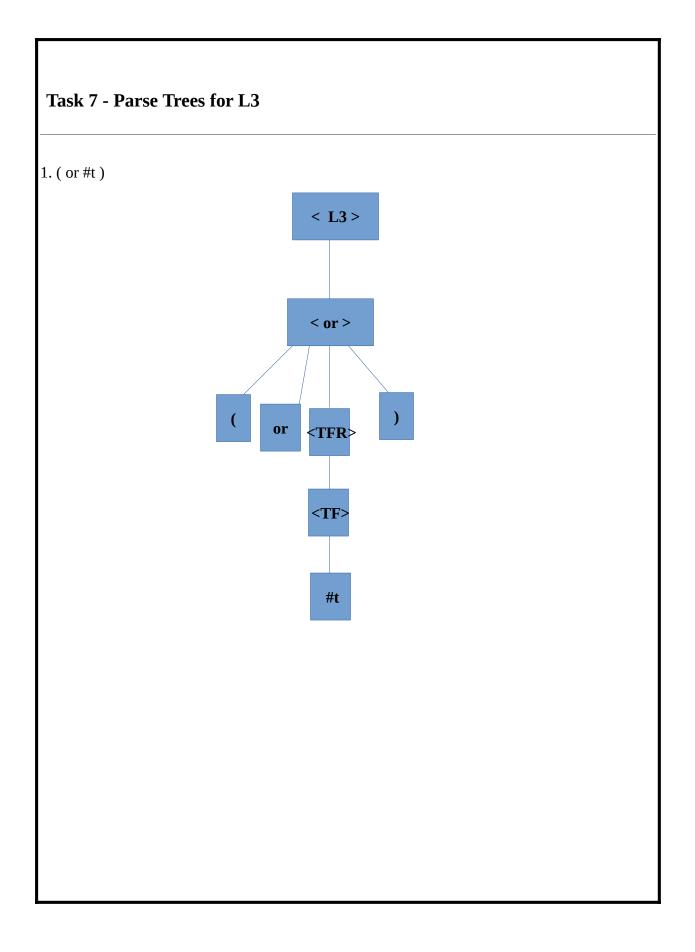
<Q-Number> ::= 1 | 2 | 3 | < Empty >

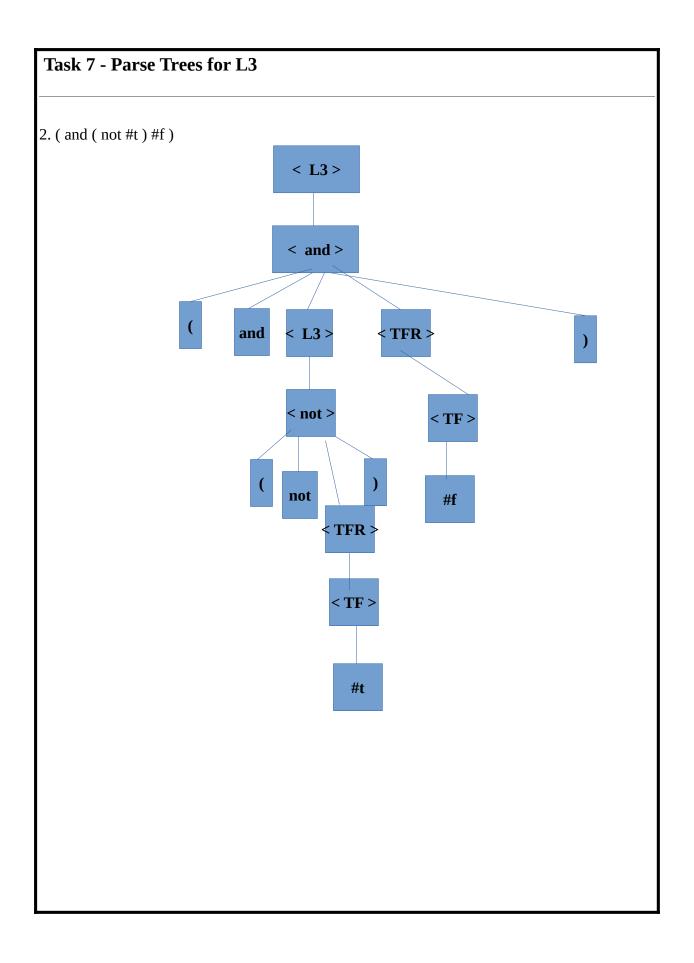
<Zero> ::= 0 | < Q-Number > | < Empty >





Task 6 - BNF Description of L3





Task 8 - BNF Description of L4

<L4>::= <oneD>|< tens>|<twoD> | <threeD>

< oneD > :: = zero | one | two | three | four | five | six | seven | eight | nine

< tens > :: = ten | eleven | twelve | thirteen | fourteen | fifteen | ... | nineteen

<twoD> :: = twenty <oneD> | thirty<oneD> | forty<oneD> | ...|ninety <oneD>

<tbr/>

<threeD> :: = <oneD> hundred <oneD> | <oneD> hundred <twoD> | < oneD> hundred

