Program Orenviers

This program is a lexical analyzer written in Python, which reads arithm tic expressions from a file and classifies each token into calegories such as:

- · Dumbers
 - Integer
 - Floch
 - Scientific notation
- Operator C = , +, -, +, 1, 1)
- · Identifiers cucrianes)
- · Spe ciel symbols
- · Comments

It uses Deterministic timite Automota OFA basic for classification

How to run the program

Requierements:

- Python 3x invioled
- The program tile: final. by
- Input file: expressions. txt

Install Requiered Librarics:

- Python standard libraries are used

Run the Program

Open a terminal and naussale to the tolder containing both files.

- Run the script with:

python final. py

Input Gormat

The input should be placed in a file named expressions. 1x1

Output Gormati

The program prints the results to the console.

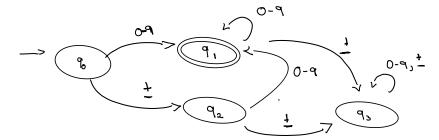
Each line of output has two columns:

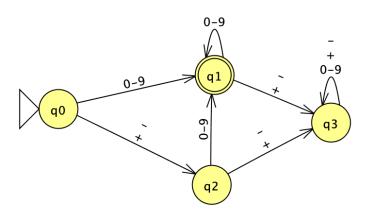
loken - the substring from the expression

Type - the classification of the loven



Integer

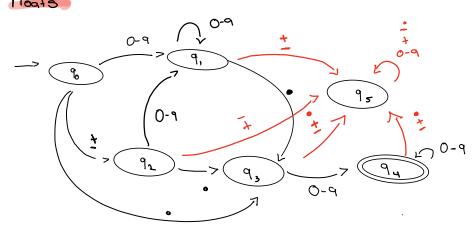




0 = { 90, 91, 92, 90 } E = { 0-9, -, +3

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	92	٩,	93

floats

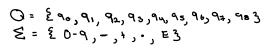


0-9 q1

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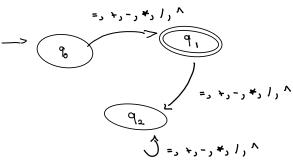
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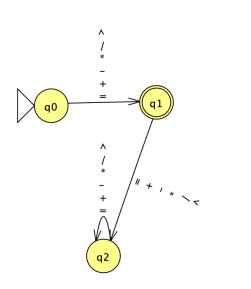
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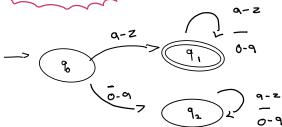
0-9 q0 x q2
4 1 0-9 q8
0-9 q4 q4

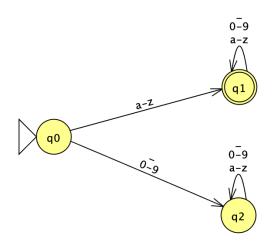












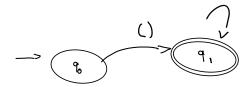
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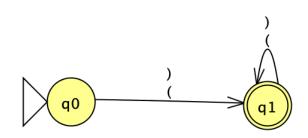
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90 € Q F= E 913

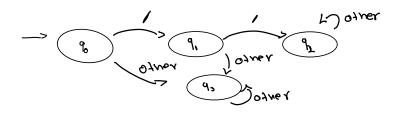




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Comments



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