**Instituto Tecnológico y de Estudios Superiores de Monterrey**
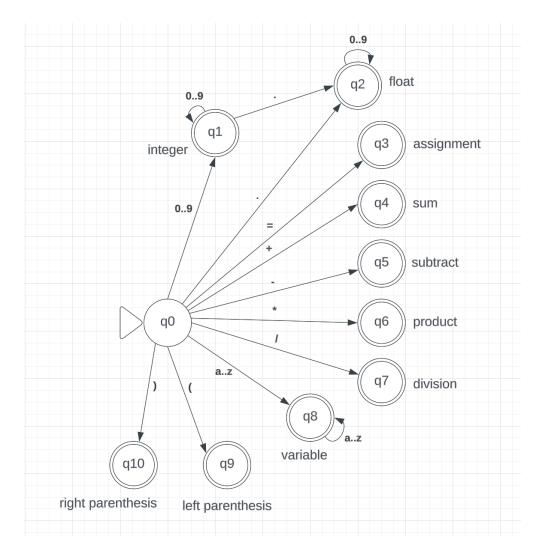**Campus Guadalajara**



**Implementation of Computational Methods**

**Lexical Analyzer: DFA and Transition Table**

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**Group 601**

11 mar 2024

**DFA:**



**Transition table:**

| State | letter | digit | (+) | (=) | (-) | (*) | (/) | ( | ) | (.) |
|-------|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 108 | 101 | 104 | 103 | 105 | 106 | 107 | 109 | 110 | 2 |
| 1 | - | 101 | - | - | - | - | - | - | - | 2 |
| 2 | - | 102 | - | - | - | - | - | - | - | - |
| 3 | - | - | - | - | - | - | - | - | - | - |
| 4 | - | - | - | - | - | - | - | - | - | - |
| 5 | - | - | - | - | - | - | - | - | - | - |
| 6 | - | - | - | - | - | - | - | - | - | - |
| 7 | - | - | - | - | - | - | - | - | - | - |
| 8 | 108 | - | - | - | - | - | - | - | - | - |
| 9 | - | - | - | - | - | - | - | - | - | - |
| 10 | - | - | - | - | - | - | - | - | - | - |