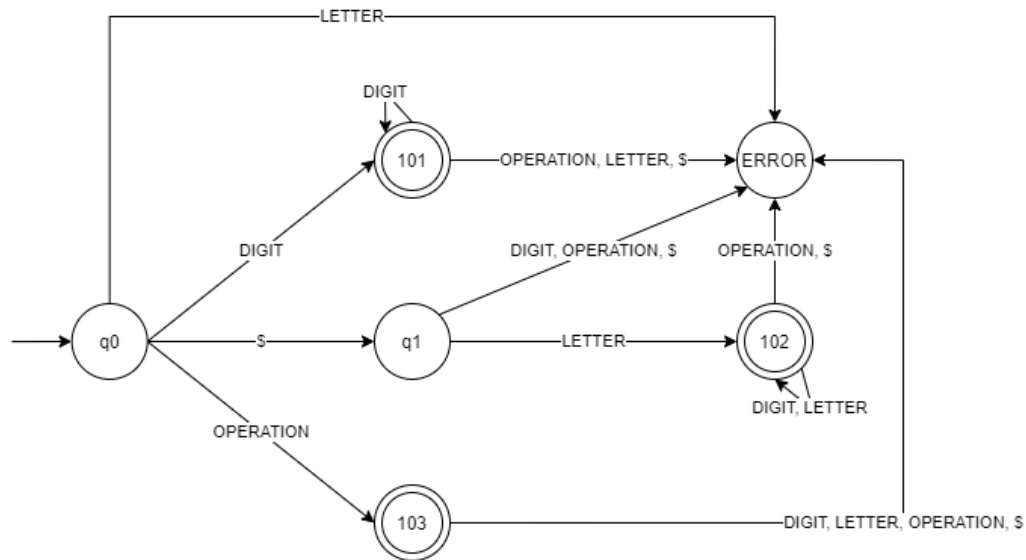


## Programming Languages (TC-2006)

### Homework 03

#### 1. Designing a DFA - Case I (30%)



#### 2. Designing the transition matrix - Case I (25%)

	DIGIT	LETTER	OPERATION	\$
q0	101	ERROR	103	q1
q1	ERROR	102	ERROR	ERROR
101	101	ERROR	ERROR	ERROR
102	102	102	ERROR	ERROR
103	ERROR	ERROR	ERROR	ERROR

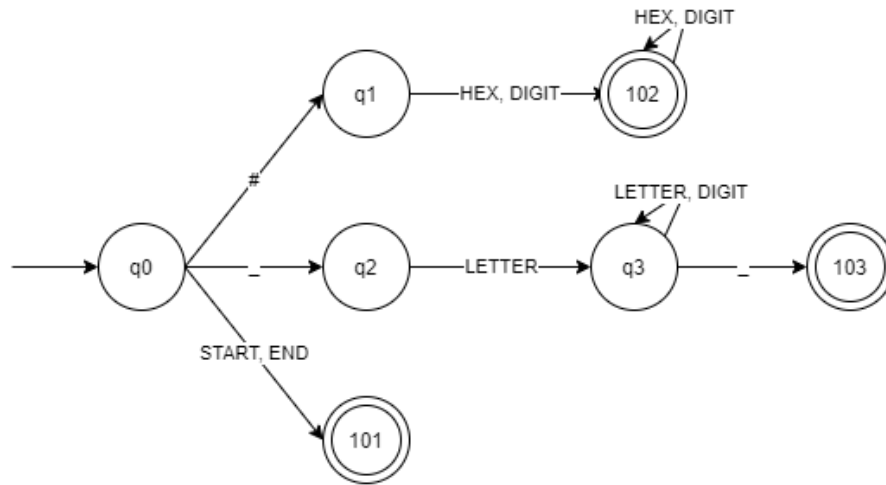
Daniel Alejandro David Sánchez

A00824566

Santiago Cano Herrera

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### 3. Designing a DFA - Case II (30%)



### 4. Designing the transition matrix - Case II (25%)

	DIGIT	LETTER	HEX	_	#	START, END
q0	ERROR	ERROR	ERROR	q2	q1	101
q1	102	ERROR	102	ERROR	ERROR	ERROR
q2	ERROR	q3	ERROR	ERROR	ERROR	ERROR
q3	q3	q3	ERROR	103	ERROR	ERROR
102	102	ERROR	102	ERROR	ERROR	ERROR