Instituto Tecnológico y Estudios Superiores de Monterrey

Víctor Hugo Franco Juárez A01366475 Juan Pablo Ortiz Ortega A01366969



Actividad 3.1 Analizador Léxico C-

Símbolos especiales:

Expresiones Regulares:

ID = letra letra*

Letra = a|..|z|A|..|Z

NUM = digito digito*

Digito = 0|..|9

Autómata Finito Determinista:

Matriz de transición:

STATE / CHAR	digit	letter	blank	"+"	"_"	*	,	<	>	ı.	"="			()	Г]	{	}	\$
0	1	3	0	24	22	20	42	12	16	9	5	26	, 28	30	32	34	36	38	40	1000
1	1	47	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
3	48	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
5	6	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	6	6	6	6
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
9	49	49	49	49	49	49	49	49	49	49	10	49	49	49	49	49	49	49	49	49
10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
12	13	13	13	13	13	13	13	13	13	13	14	13	13	13	13	13	13	13	13	13
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
16	17	17	17	17	17	17	17	17	17	17	18	17	17	17	17	17	17	17	17	17
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000

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31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
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42	43	43	43	43	43	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43
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44	44	44	44	44	44	45	44	44	44	44	44	44	44	44	44	44	44	44	44	1000
45	44	44	44	44	44	44	46	44	44	44	44	44	44	44	44	44	44	44	44	1000
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
47	47	47	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
48	48	48	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
49	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000