

TP2

1a) ID $\rightarrow [a-z]^*$

NUM $\rightarrow [0-9]^*$

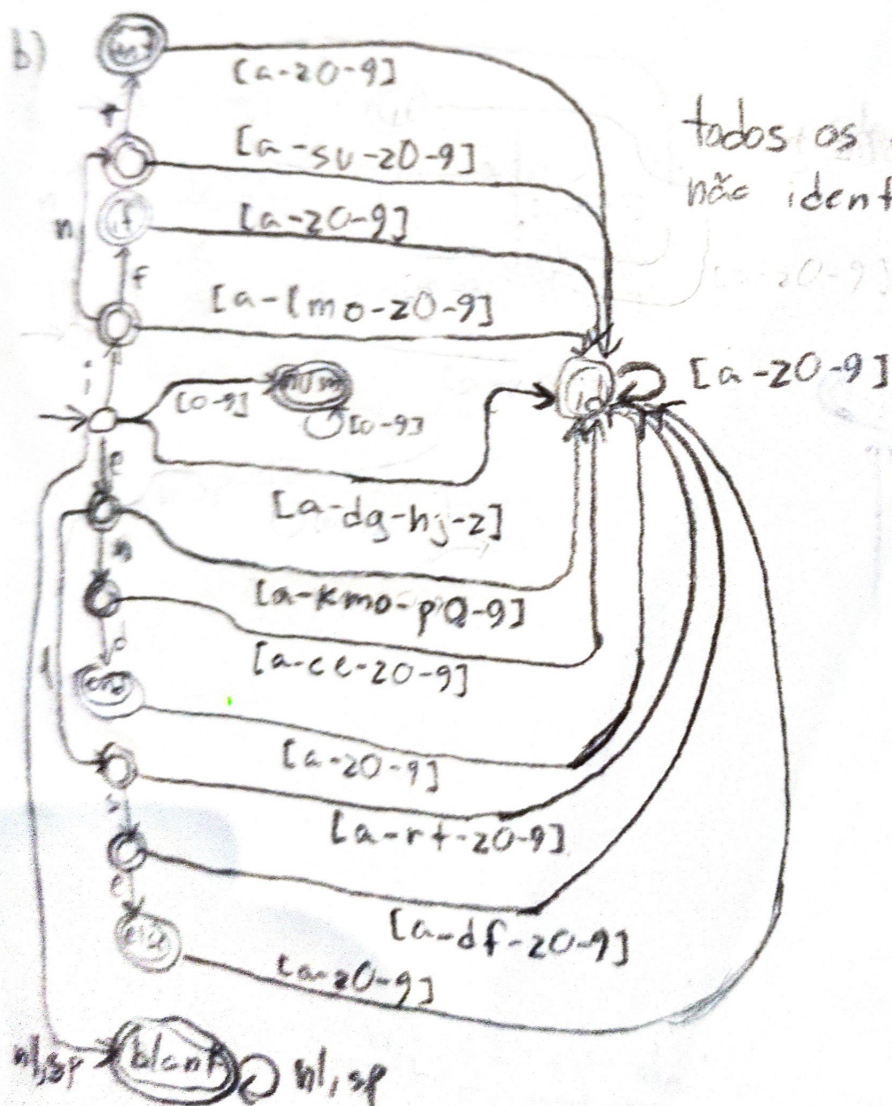
INT $\rightarrow n^+$

IF $\rightarrow i^+ f$

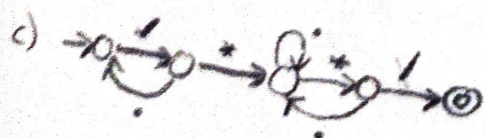
ELSE $\rightarrow e^+ s^+ b^+ s^+ e^+$

END $\rightarrow e^+ n^+ d^+$

BLANK $\rightarrow sp, nl$



todos os estados finais
nãe identificados são IPs



• \equiv Todas as transições não explicitas

re: $\wedge / \backslash * . * \backslash * \vee$

2
a)

ID: $\rightarrow \text{[a-z]}^* \text{[a-zA-Z]}$

LABEL: $\rightarrow \text{[0-9a-z]}^* \text{[0-9a-z]}$

NUM: $\rightarrow \text{[0-9]}^+ \text{[0-9]}$

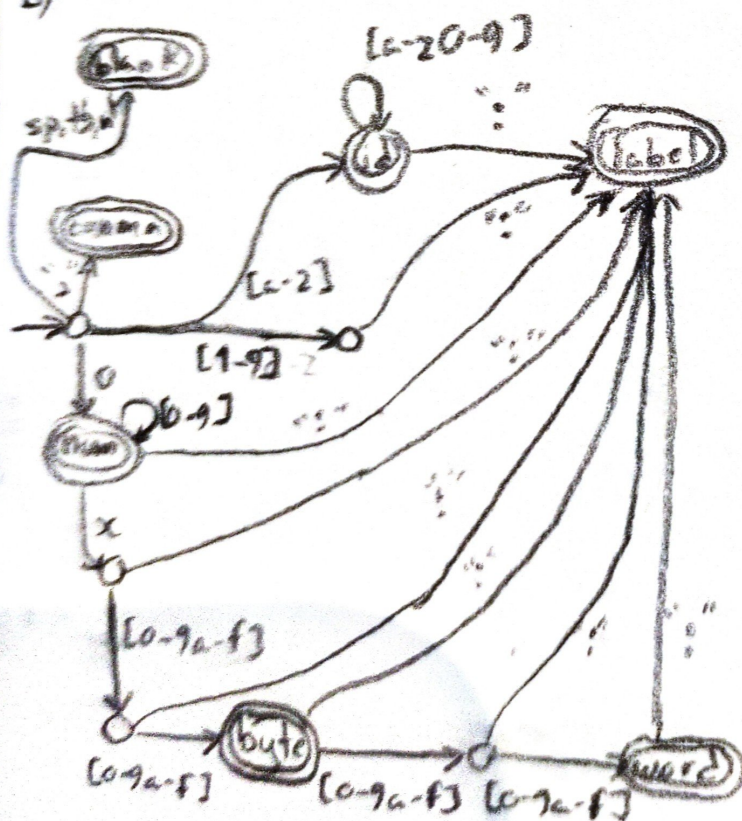
BYTE: $\rightarrow \text{[0]} \text{[x]} \text{[0-9a-f]}^* \text{[0-9a-f]}$

WORD: $\rightarrow \text{[0]} \text{[x]} \text{[0-9a-f]}^* \text{[0-9a-f]}^* \text{[0-9a-f]}$

COMMA: $\rightarrow \text{[',]}$

SPC: $\rightarrow \text{[sp, nl, tb]}^*$

b)



loop:	cmp	051:	0xcd	10	xba	ln	0xb	0x123	ret
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
LABEL	SPC	ID	SPC	COMMA	WORD	ID	SPC	SPC	ID
				LABEL				UNKNOWN	
				SPC				NUM	ID

3

3
a) $ff: \mathbb{R} \xrightarrow{f} \mathbb{R} \xrightarrow{f} \mathbb{R}$ ff

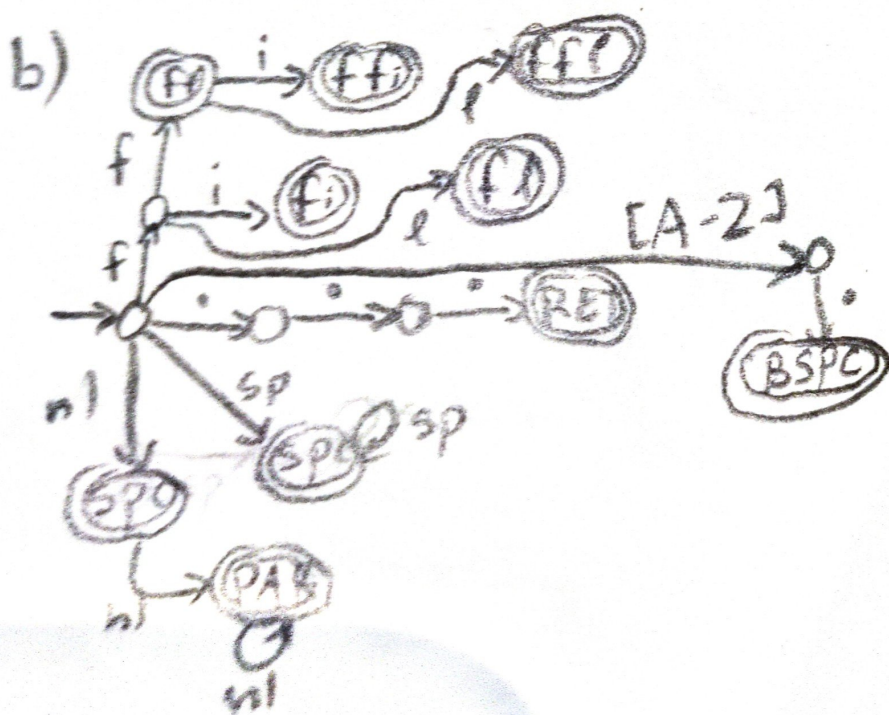
$$f_1: \mathbb{R} \xrightarrow{f} \mathbb{R} \xrightarrow{i} \mathbb{C} \quad f_1$$
$$f_1 \rightarrow f_2 \rightarrow \dots \rightarrow f_n$$
$$f f_1 \rightarrow \rightarrow f \rightarrow \rightarrow f \rightarrow \rightarrow i \rightarrow \odot \quad f f_1$$
$$f|f| : \infty \xrightarrow{f} 0 \xrightarrow{f} \infty \xrightarrow{1} \odot \quad f|f|$$

RET: $\rightarrow \text{a} \rightarrow \text{b} \rightarrow \text{c} \rightarrow \text{d}$ 1.6.6.

SPC: $\rightarrow \text{O} \xrightarrow{nl, sp} \text{O} \xrightarrow{sp} \text{O} [\checkmark / n / \checkmark] []^*$

PAR: $\rightarrow \bigcirc \xrightarrow{n_1} \bigcirc \xrightarrow{n_1} \bigodot [V \setminus n \setminus V \setminus n]$

BSPC: $\rightarrow \text{O} \xrightarrow{\cdot} \text{O} \xrightarrow{\text{sp}} \text{O} \quad [\cdot \cdot]$



c) $256 \times |Q| = 3584$

Para cada estado, é preciso descrever a ação a tomar para cada caract.