

# Trabalho Prático – Parte 1

---

Engenharia Informática  
Compiladores

**Autores**

António Fernandes- 78207

João Ferreira – 78608

José Brás - 78238

Vila Real, 2023

## Índice

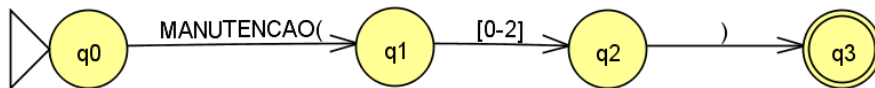
<b>Tarefa 1 – MANUTENCAO(V)</b> .....	3
<b>Tarefa 2 – CARREGA-BATERIA(V)</b> .....	3
<b>Tarefa 3 – ENTREGA(L,M,Q)</b> .....	4
<b>Tarefa 4 – RECOLHE(LISTA)</b> .....	4
<b>Tarefa 5 – ESTADO(I)</b> .....	5

### Tarefa 1 – MANUTENÇÃO(V):

Expressão regular:

```
MANUTENCAO\([0-2]\)
```

Autómato finito:

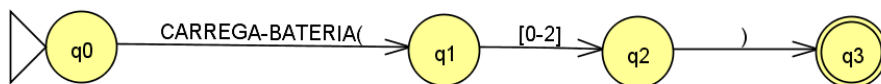


### Tarefa 2 – CARREGA-BATERIA(V):

Expressão regular:

```
CARREGA-BATERIA\([0-2]\)
```

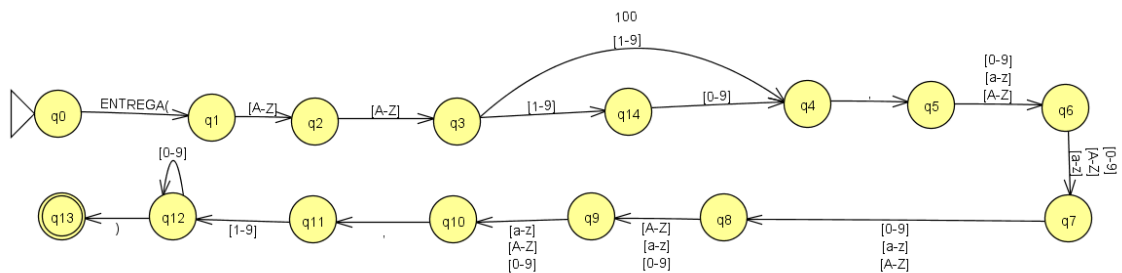
Autómato finito:



**Expressão regular:**

ENTREGA\([A-Z]\{2\}([1-9]|[1-9][0-9]|100),[a-zA-Z0-9]\{5\},[1-9][0-9]\*\)

### **Autómato finito:**

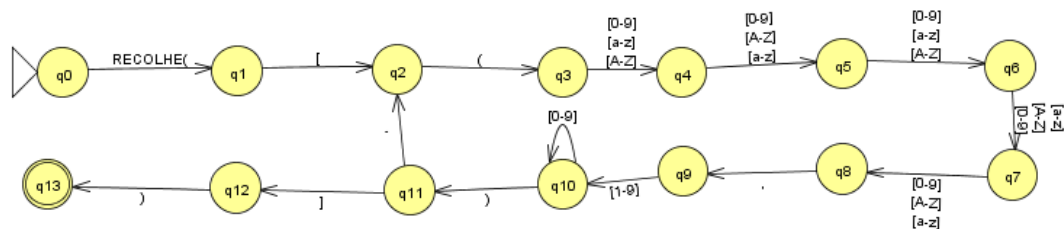


### Tarefa 4 – RECOLHE(LISTA):

**Expressão regular:**

RECOLHE\\(\\([0-9A-Za-z]{5},[1-9][0-9]\*\\)(,\\([0-9A-Za-z]{5},[1-9][0-9]\*\\))\*\\)

### **Autómato finito:**



**Expressão regular:**

$$\text{ESTADO} \setminus ((B \mid T \mid M \mid (T, (B \mid M))) \mid (B, (T \mid M))) \mid (M, (T \mid B))) \mid (B, T, M) \mid (T, M, B) \mid (M, B, T) \mid (T, B, M) \mid (M, T, B) \mid (B, M, T))) \setminus$$

### **Autómato finito:**

