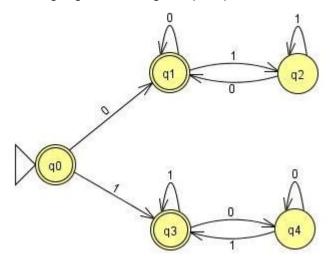
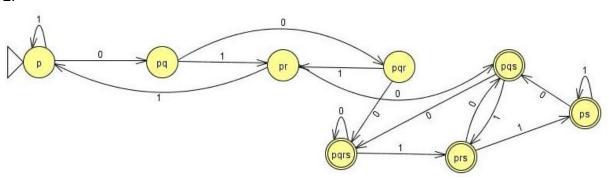
## Thiago Corso Capuano - 163996

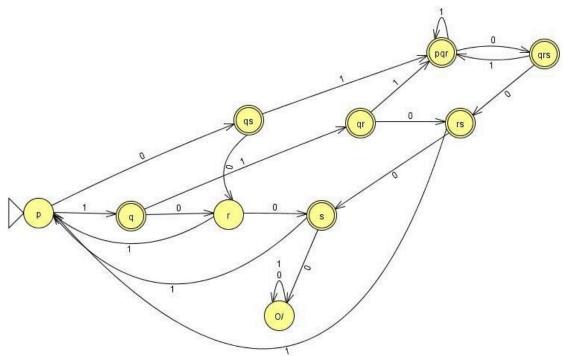
1. A linguagem L1 é regular, pois podemos construir um DFA que a represente:



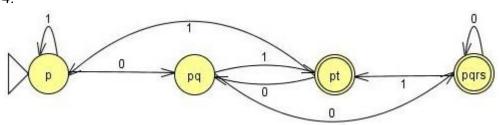
2.



3.



4.



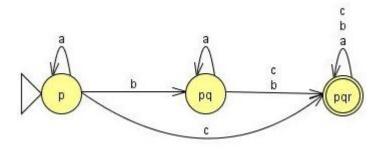
5.

$$CL(p) = \{p\}$$

$$CL(q) = \{q, p\}$$

$$CL(r) = \{r, q, p\}$$

b)



6.

$$\mathsf{CL}(\mathsf{p}) = \{\mathsf{p},\,\mathsf{q},\,\mathsf{r}\}$$

$$CL(q) = \{q\}$$

$$CL(r) = \{r\}$$

b)

