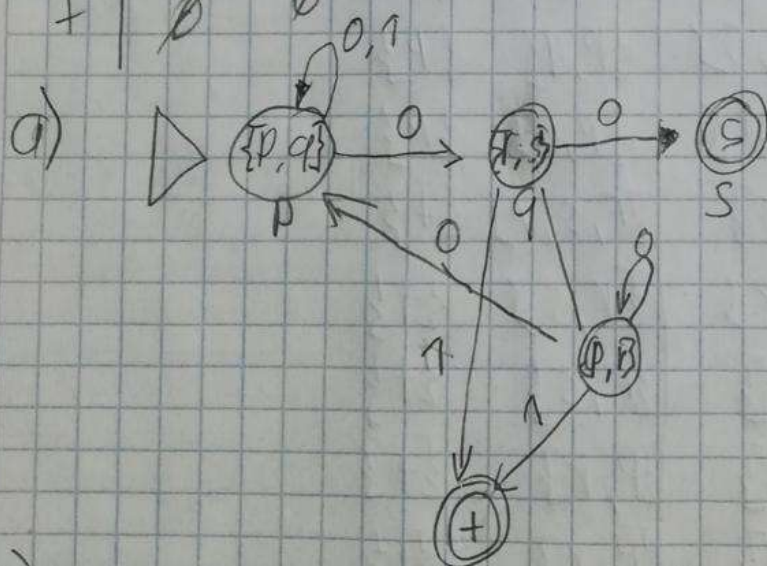


Resuelve el siguiente ejercicio de forma individual
sube a classroom

Considere AFN $N = (\{p, q, r, s, t\}, \{0, 1\}, \delta, p, \{s, t\})$

| δ | 0 | 1 |
|----------|-------------|-------------|
| p | $\{p, q\}$ | $\{p\}$ |
| q | $\{r, s\}$ | $\{t\}$ |
| r | $\{p, t\}$ | $\{s, t\}$ |
| s | \emptyset | \emptyset |
| t | \emptyset | \emptyset |



b) $1 = (1, 0, 1)$, $2 =$

$2 = (1, 0, 1, 0, 0, 1)$

$3 = (1, 0, 0, 0)$

$4 = (0, 0, 0, 0, 0, 1)$

$5 = (0, 1, 0, 1)$

c) $\{0, 1\}$

d)

| δ | 0 | 1 |
|----------|-----------------------------|-------------|
| p | $\{p, q\} \cup \{p\}$ | |
| q | $\{r, s\} \cup \{t\}$ | |
| r | $\{\bar{p}, r\} \cup \{t\}$ | |
| s | \emptyset | \emptyset |
| t | \emptyset | \emptyset |

| δ' | 0 | 1 |
|---------------|------------------|-------------|
| \emptyset | \emptyset | \emptyset |
| $\{p\}$ | $\{p, q\}$ | $\{p\}$ |
| $\{q\}$ | $\{r, s\}$ | $\{t\}$ |
| $\{r\}$ | $\{p, r\}$ | $\{t\}$ |
| $\{s\}$ | \emptyset | \emptyset |
| $\{t\}$ | \emptyset | \emptyset |
| $\{p, q\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{p, r\}$ | $\{p, q, r\}$ | $\{p, t\}$ |
| $\{p, s\}$ | $\{p, q\}$ | $\{p\}$ |
| $\{p, t\}$ | $\{p, q\}$ | $\{p\}$ |
| $\{q, r\}$ | $\{r, s, p\}$ | $\{t\}$ |
| $\{q, s\}$ | $\{r, s\}$ | $\{t\}$ |
| $\{q, t\}$ | $\{r, s\}$ | $\{t\}$ |
| $\{r, s\}$ | $\{p, r\}$ | $\{t\}$ |
| $\{r, t\}$ | $\{p, r\}$ | $\{t\}$ |
| $\{t, s\}$ | \emptyset | \emptyset |
| $\{p, q, r\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{p, q, s\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{p, q, t\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{q, r, s\}$ | $\{r, s, p\}$ | $\{t\}$ |

| δ' | 0 | 1 |
|---------------------|------------------|------------|
| $\{q, r, t\}$ | $\{r, s, p\}$ | $\{t\}$ |
| $\{r, s, t\}$ | $\{p, r\}$ | $\{t\}$ |
| $\{s, t, p\}$ | $\{p, q\}$ | $\{p\}$ |
| $\{s, t, q\}$ | $\{r, s\}$ | $\{t\}$ |
| $\{r, t, p\}$ | $\{p, r, q\}$ | $\{t, p\}$ |
| $\{p, q, r, s\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{p, q, r, t\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{q, r, s, t\}$ | $\{r, s, p\}$ | $\{t\}$ |
| $\{q, r, s, p\}$ | $\{r, s, p, q\}$ | $\{t, p\}$ |
| $\{r, s, t, p\}$ | $\{p, r, q\}$ | $\{t, p\}$ |
| $\{s, t, p, q\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |
| $\{p, q, r, s, t\}$ | $\{p, q, r, s\}$ | $\{p, t\}$ |

