Jula 2

| ĸ | 7 | n·y | 2+26.4 |
|---|---|-----|--------|
| 1 | f | ı | l l |
| 1 | ٥ | 0 | 1 |
| 0 | j | ٥ | 0 |
| 0 | ٥ | 0 | 0 |

Ы

| n | 7 | n + 4 | n + n.y |
|---|---|-------|---|
| 1 | 1 | | \(\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ |
| ı | 0 | | |
| 0 | t | | 1 |
| 0 | 0 | 0 | 0 |

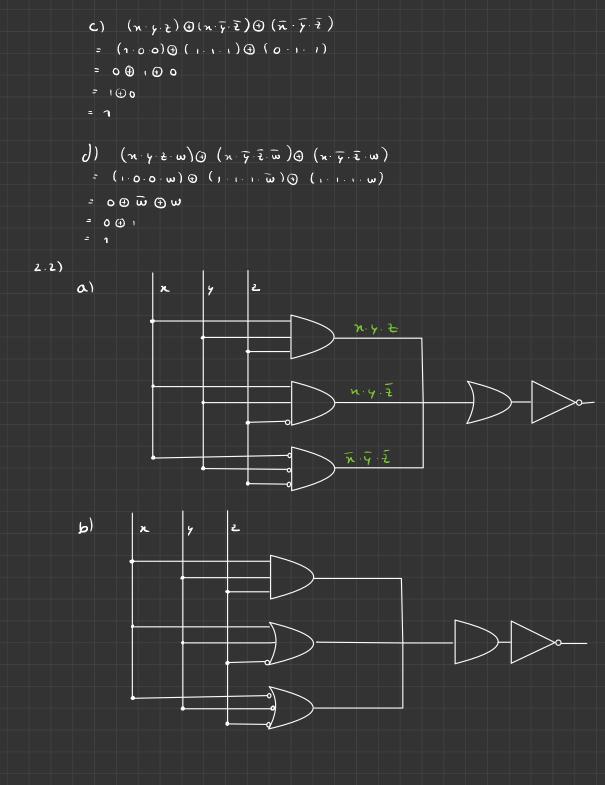
1.2)

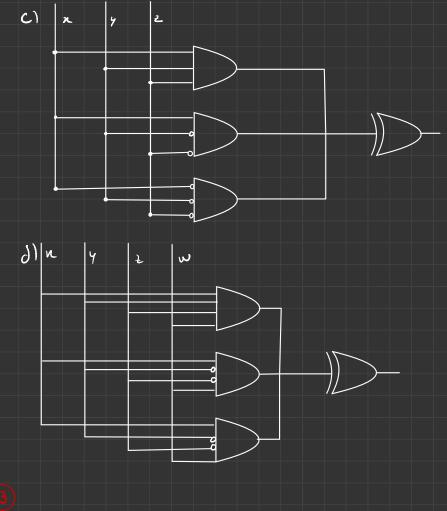
2

2.1

b)
$$(n \cdot y \cdot z) \cdot (n + y + \overline{z}) \cdot (\overline{n} + \overline{y} + \overline{z})$$

= $(1 \cdot 0 \cdot 0) \cdot (1 + 0 + 1) \cdot (0 + 1 + 1)$





$$W(\pi_1, \xi, \xi) = \widehat{\pi} \cdot \widehat{y} \cdot \widehat{\xi} + \pi \cdot \widehat{y} \cdot \widehat{\xi}$$

$$= \pi \widehat{y}$$

Soma de produtos de max termos $h(x,y,z) = (x+y+z) \cdot (x+y+z)$

= hy + n 2 + n2 + x,

(1)
$$y = \frac{x_1 \cdot (n_2 + \overline{n}_3 \cdot n_4) + n_2}{x_1 \cdot (n_2 + \overline{n}_3 \cdot n_4) + n_2}$$

$$= \frac{(\pi_1 + \pi_2) \cdot (\pi_2 + \overline{\pi_3}) \cdot (\pi_2 + \pi_4)}{(\pi_1 + \pi_2) + (\pi_2 + \overline{\pi_3}) + (\pi_2 + \pi_4)}$$

4.2)

3)
$$5.1) \quad x \cdot y \cdot \xi + x \cdot y \cdot \overline{\xi} + x \cdot \overline{y} \cdot \overline{\xi} + x \cdot \overline{y} \cdot \overline{\xi}$$

$$= x \cdot y \cdot (\xi + \overline{\xi}) + x \cdot \overline{y} \cdot (\xi + \overline{\xi})$$

$$= x \cdot (y + \overline{y})$$

$$= x \cdot (y + \overline{y})$$

$$= x \cdot (y + \overline{y})$$

$$= x \cdot (y - \overline{y}) \cdot (\overline{x} \cdot y + \overline{x} \cdot y)$$

$$= (x \cdot y) \cdot (\overline{x} \cdot y + \overline{x} \cdot \overline{y} + x \cdot y + y \cdot \overline{y})$$

$$\begin{array}{lll}
2 \oplus (x \oplus y) &= (x \cdot \overline{y} + \overline{x} \cdot y) \oplus z \\
&= \overline{x} \cdot \overline{y} \oplus z &+ \overline{x} \cdot y \oplus z \\
&= \overline{x} \cdot \overline{y} \cdot z + x \cdot \overline{y} \cdot \overline{z} + \overline{x} \cdot y \cdot \overline{z} \\
&= (\overline{x} + y) \cdot z + x \cdot \overline{y} \cdot \overline{z} + (x + \overline{y}) \cdot z + \overline{x} \cdot y \cdot \overline{z} \\
&= \overline{x} \cdot z + yz + x \cdot \overline{y} \cdot \overline{z} + x \cdot z
\end{array}$$