① $N = ad \rightarrow \bar{a} \equiv \boxed{\bar{a} + \bar{d}}$

a F

$M = \overline{\bar{a} + bc} + a$

$a(\bar{b}+\bar{c}) + a \equiv \boxed{a}$

b V

c F

d V

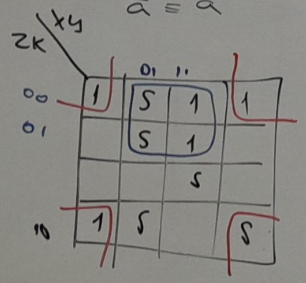
$\overline{a \cdot d} \equiv \bar{a} + \bar{d}$

$(\bar{a} + \bar{d})(\bar{a} + d) \overset{?}{\equiv} a$

e V

$\bar{a} \equiv a$

②




$y\bar{3}$

$\bar{y}\bar{k}$

③a $\overline{a\bar{b}\bar{c}} + \overline{\bar{a}+c} \equiv$

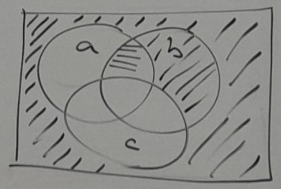
$(\bar{a}+b)\bar{c} + \bar{a}\bar{c} \equiv$

$\bar{a}\bar{c} + b\bar{c} \equiv$

$\bar{a}(b+\bar{b})\bar{c} + (a+\bar{a})b\bar{c} \equiv$

$\boxed{\bar{a}b\bar{c} + a\bar{b}\bar{c} + ab\bar{c}}$

⑤

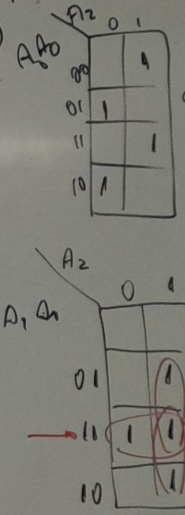



④ —— Result(tc) 0 rejeitar
1 aprovar

| $A_2$ | $A_1$ | $A_0$ | X $S_1$ $S_0$ |
|---|---|---|---|
| 0 | 0 | 0 | 00 |
| 0 | 0 | 1 | 01 - |
| 0 | 1 | 0 | 01 |
| 0 | 1 | 1 | 10 |
| 1 | 0 | 0 | 01 |
| 1 | 0 | 1 | 10 |
| 1 | 1 | 0 | 10 |
| 1 | 1 | 1 | 11 |

C

b)




$A_1A_0$

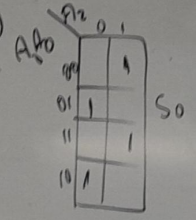
$A_2A_0$

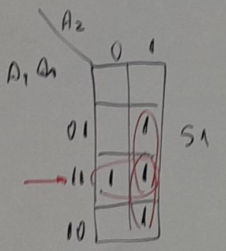
4

Resultado: 0 reprovar, 1 aprovar

| $A_2$ | $A_1$ | $A_0$ | X ($S_1$ $S_0$) |
|---|---|---|---|
| 0 | 0 | 0 | 0 0 |
| 0 | 0 | 1 | 0 1 |
| 0 | 1 | 0 | 0 1 |
| 0 | 1 | 1 | 1 0 |
| 1 | 0 | 0 | 0 1 |
| 1 | 0 | 1 | 1 0 |
| 1 | 1 | 0 | 1 0 |
| 1 | 1 | 1 | 1 1 |

b)




$A_1A_0$

$A_2A_0$ $A_2A_1$

c