

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

$\boxed{a \text{ F}}$

$M = \overline{\bar{a} + bc} + a$
 $a(\bar{b} + \bar{c}) + a \equiv \boxed{a}$

$\boxed{b \text{ V}}$

$\boxed{c \text{ F}}$

$\boxed{d \text{ V}}$

$\boxed{e \text{ V}}$

$\bar{a} \cdot d = \bar{a} + \bar{d}$

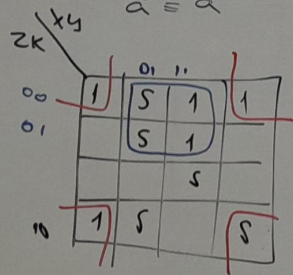
$(\bar{a} + \bar{d})(\bar{a} + d) \equiv a$

$\bar{\bar{a}} \equiv a$

②

$y\bar{z}$

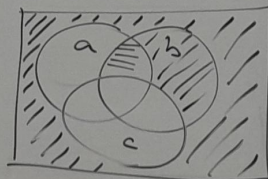
$\bar{y}\bar{z}$



③ a $\bar{a}\bar{b}\bar{c} + \bar{a} + c \equiv$
 $(\bar{a} + b)\bar{c} + \bar{a}\bar{c} \equiv$
 $\bar{a}\bar{c} + b\bar{c} \equiv$
 $\bar{a}(b + \bar{b})\bar{c} + (a + \bar{a})b\bar{c} \equiv$

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

④

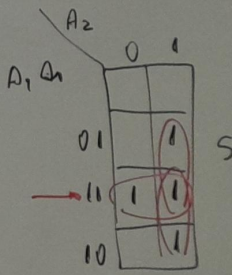
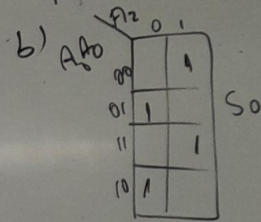


④

Result₍₊₎

0 reprova
1 aprova

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



$A_1 A_0$
 $A_2 A_0$

4

Result₍₄₎

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

reprovar
aprovar

b)

A_2	A_1	A_0	S_0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

A_2	A_1	A_0	S_1
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

$A_1 A_0$
 $A_2 A_0$ $A_2 A_1$

