

$$\textcircled{1} \quad 341_8 \rightarrow 6$$

$$3 \times 8^2 + 4 \times 8^1 + 1 \times 8^0 = 225$$

$$225 \mid 6$$

$$\begin{array}{r} 3 \ 37 \mid 6 \\ \underline{(1)} \ 6 \mid 6 \\ \underline{0} \ 1 \mid 6 \\ \underline{(1)} \ 0 \end{array}$$

$$1013_6$$

$$\textcircled{2} \quad 4531,12_6 \rightarrow 10$$

$$4 \times 6^3 + 5 \times 6^2 + 3 \times 6^1 + 1 \times 6^0 + 1 \times 6^{-1} + 2 \times 6^{-2} =$$
$$\cancel{007582} \quad 1063,22$$
$$864 \quad 0,166 \quad 5,55 \times 10^{-2}$$

③ 4324 | 2  
0 2162 | 2  
e 1081 | 2  
J 540 | 2  
0 270 | 2  
0 135 | 2  
J 67 | 2  
J 33 | 2  
J 16 |  
1 1  
1 0000 1 1100100

~~⑨ 3dAC → 2~~

~~0411 0410 100 - 1100~~

29

66

-12 cm cengalhando de 1865

$$\begin{array}{r} \underline{0\ 0\ 0\ 0\ 1\ 1\ 1\ 0\ 0} \\ \underline{1\ 1\ 1\ 0\ 0\ 1\ 1} \end{array}$$

2000-145 fm complained of 212 ad

$$\begin{array}{r} \cancel{145} & 000011001001 \\ \underline{+ 126} & 11110110110 \\ \hline \end{array}$$

3)

$$f(A, B, C, D) = (A + B + \bar{C})(\bar{B} + \bar{D})(\bar{A} + C)(B + C)$$

$$(A + B + \bar{C})(\bar{B} + \bar{D})(\bar{A}B + \bar{A}\bar{C} + BC + C)$$

$$(A\bar{B} + C(\bar{A} + B + 1))$$

$$(A\bar{B} + A\bar{D} + B\bar{D} + \bar{B}\bar{C} + \bar{C}\bar{D})(\bar{A}B + C)$$

$$A\bar{B}C + AC\bar{D} + \bar{A}B\bar{D} + BC\bar{D} + \bar{A}\bar{B}\bar{C}\bar{D} + 0$$

$$A\bar{B}C + AC\bar{D} + \bar{A}B\bar{D} + BC\bar{D}$$

$$\bar{D}(AC' + \bar{A}B + BC)$$

$$A\bar{B}C + \bar{D}(BC + \bar{A}B)$$

$$ABC + \cancel{ACD} + \bar{ABD}$$

$$BC\bar{D}$$

$\begin{matrix} AB \\ \diagdown \\ CD \end{matrix}$  based on

00	1
01	
10	
11	1

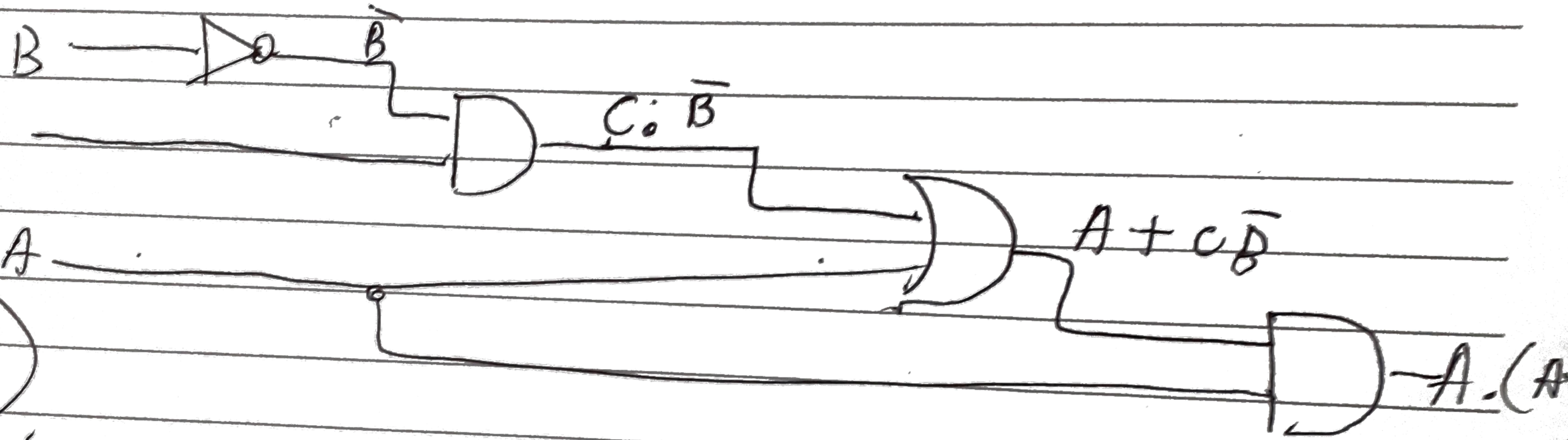
$$UV A\bar{B}C + AC\bar{D} + \bar{A}B\bar{D}$$

$$\dots + \bar{A}B\bar{C}AC \quad B \perp AC$$

7.1

$$F = ((A \cdot C + \bar{C} \cdot \bar{B}) + A \cdot (C + \bar{B})) + (\bar{B} + B \cdot C)$$

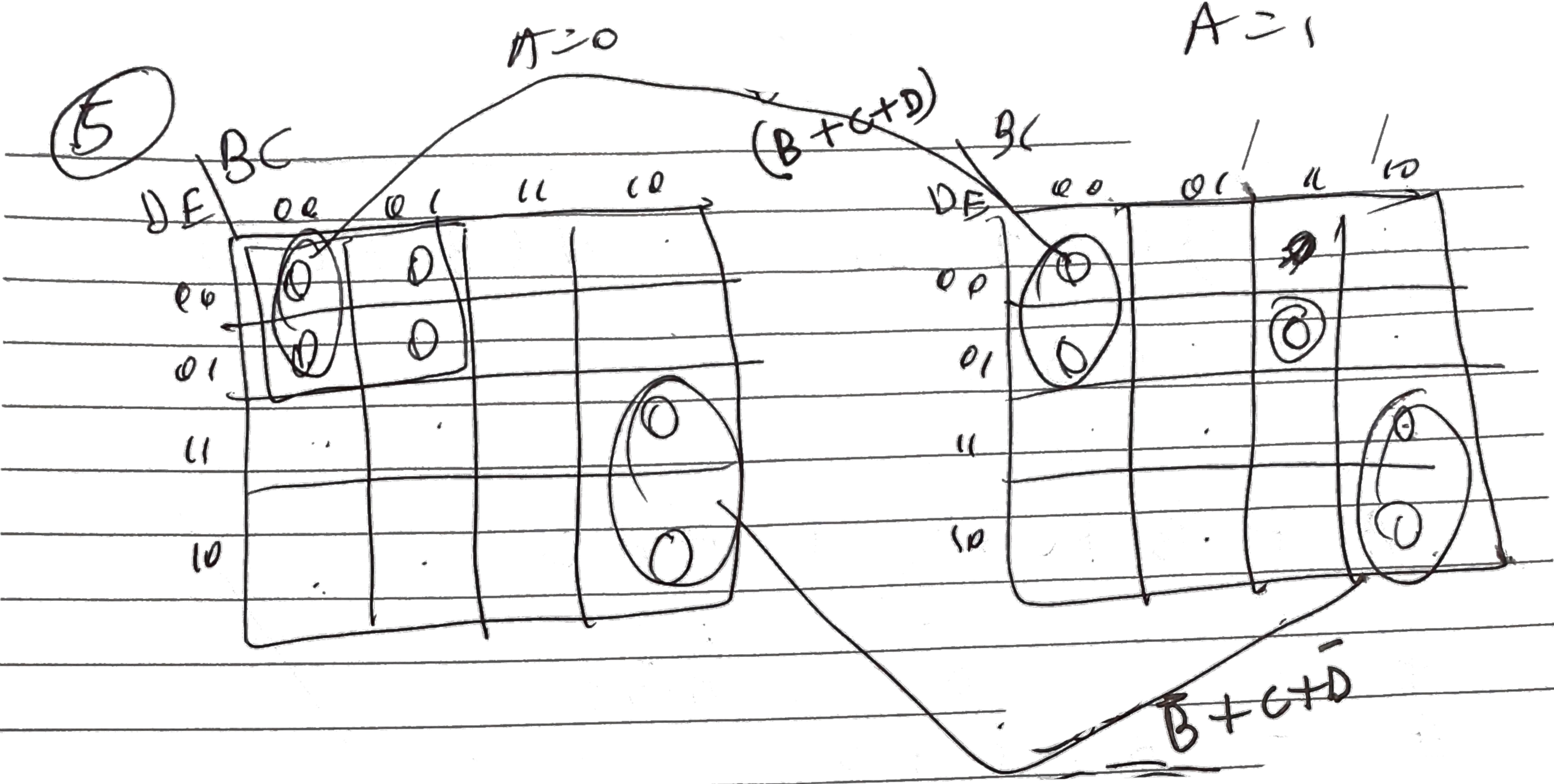
$$f = A \cdot (A + C\bar{B})$$



7.2

$$(AB + AC + A\bar{B}C) + (\bar{B} + C)$$

$$A + \bar{B} + C$$



$$F_{T_2} = (\bar{B} + \bar{C} + \bar{D})(B + C + D)(A + \bar{B} + \bar{D})(\bar{A} + \bar{B} + \bar{C} + \bar{D})$$

(6) (6.1)  $f(A, B, C, D) = \bar{A}\bar{B}C + A\bar{B}\bar{D} + BCD$

$$\bar{A}BC + ABD + BCD$$

$$(\bar{A} + \bar{B} + \bar{C})(\bar{A} + B + D)(B + C + \bar{D})$$

$$(A + B + \bar{C})(\bar{A} + B + \bar{D})(B + \bar{C} + \bar{D})$$

$$(A + B + \bar{C} + D)(A + B + \bar{C} + \bar{D})(\bar{A} + \bar{B} + C + D)$$

$$(\bar{A} + \bar{B} + \bar{C} + D)(A + \bar{B} + \bar{C} + D)(\bar{A} + \bar{B} + \bar{C} + \bar{D})$$

M<sub>2</sub>, M<sub>3</sub>, M<sub>7</sub>, M<sub>15</sub>, M<sub>14</sub>, M<sub>13</sub>

$$6.2 \quad f(A, B, C, D) = \overline{A(\overline{B} + \overline{C}D)} + \overline{ABC}$$

$$\overline{\overline{A}} + \overline{(\overline{B} + C\overline{D})} + \overline{\overline{A}BC}$$

$$\overline{\overline{A}} + \overline{\overline{B}} \cdot \overline{C\overline{D}} + \overline{\overline{A}BC}$$

$$\overline{A} + B \cdot (\overline{C} + \overline{D}) + \overline{\overline{A}BC}$$

$$\overline{A} + B\overline{C} + BD + \overline{\overline{A}BC}$$

		AB			
		CD		00	01
00	00		1	1	1
			0	1	P
01	01		1	1	1
			0	1	0
11	11		1	1	0
			1	1	0
10	10		1	0	0
			0	0	0

Sm (0, 1, 2, 3, 4, 5, 6, 7,  
12, 13, 15)