

V1

1 2 3 4 5 6 7 8 16

1 1 2 3 4 5 6 6 4 9 1 10 4 16

(11)

(4)

1 1 2 2 5 16

(7)

3 0 1 4

16

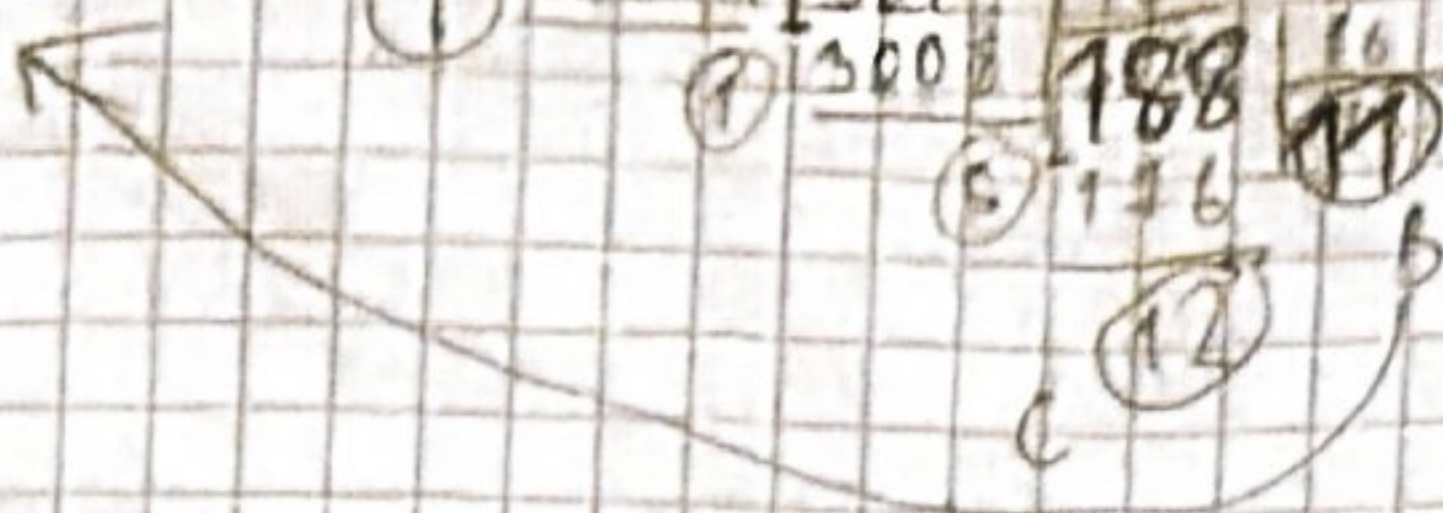
(5)

1 8 8

(11)

1 2 6

(12)



Output: BC614E

1 0 0 0 0 0 0 16

1 0 0 0 0 0 0 6 2 5 0 0 16

(6)

6 2 9 9 1 6

3 9 0 6 16

(4)

3 9 0 4

2 4 4 16

(2)

2 4 0 16

(1)

(15)

Output: F4240

V2

$$BC614E = 11 \cdot 16^5 + 12 \cdot 16^4 + 6 \cdot 16^3 + 1 \cdot 16^2 + 4 \cdot 16^1 + 14 \cdot 16^0 = 12345678$$

$$F4240 = 15 \cdot 16^4 + 4 \cdot 16^3 + 2 \cdot 16^2 + 4 \cdot 16^1 + 0 \cdot 16^0 = 10000000$$

V3 A = set of numbers B = set of letters C = set of colors

$$(A \cap B) \cap (C \cup \bar{C}) = A \cap B$$

N4

$$A \rightarrow B = \bar{A} \vee B$$

A	B	\bar{A}	$\bar{A} \vee B$	$A \rightarrow B$
0	0	1	1	1
0	1	1	1	1
1	0	0	0	0
1	1	0	1	1

по таблице

$$A \oplus B = (A \wedge \bar{B}) \vee (\bar{A} \wedge B)$$

A	B	$A \wedge \bar{B}$	$\bar{A} \wedge B$	$(A \wedge \bar{B}) \vee (\bar{A} \wedge B)$	$A \oplus B$
0	0	0	0	0	0
0	1	0	1	1	1
1	0	1	0	1	1
1	1	0	0	0	0

по таблице

N6

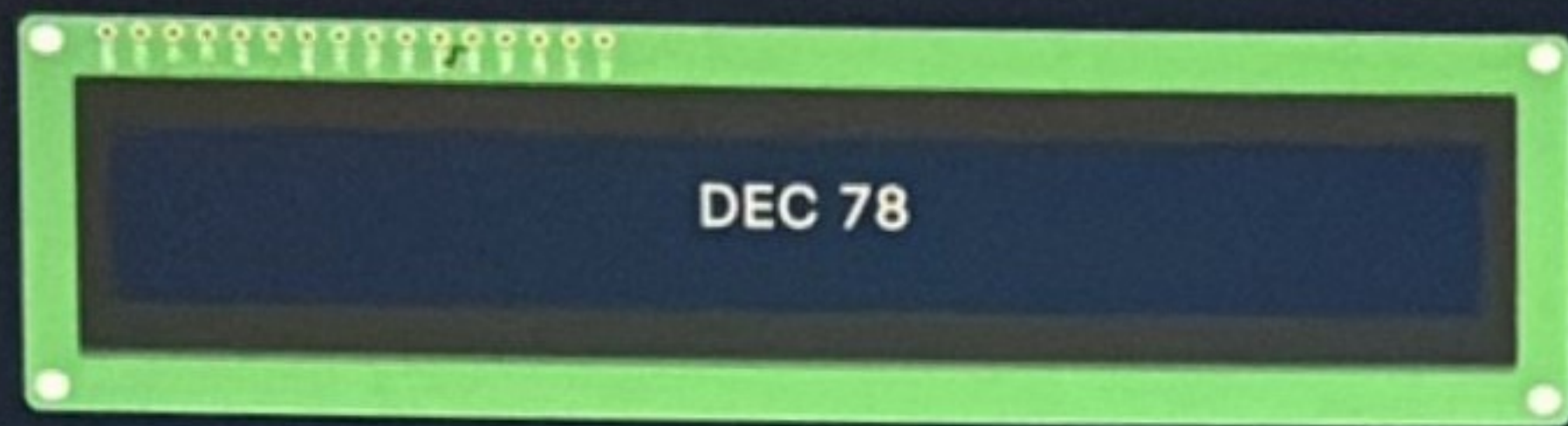
$$\begin{aligned}
 X &= (B \rightarrow A) \wedge (\bar{A} \vee B) \wedge (A \rightarrow C) = (\bar{B} \vee A) \cdot (\bar{A} \vee B) \cdot (\bar{A} \vee C) = \\
 &= (\bar{A} \vee B) \cdot (\bar{A} \vee C) = A \wedge \bar{A} \vee A \wedge C \vee \bar{A} \vee B \wedge \bar{A} \vee B \wedge C = \\
 &= A \wedge C \vee \bar{A} \vee B \wedge C
 \end{aligned}$$



$$X = !A*B + !A*!B + A*B$$



A	B	$!A*B$	$!A*!B$	$A*B$	X
0	0	0	1	0	1
0	1	1	0	0	1
1	0	0	0	0	0
1	1	0	0	1	1



HEX



BIN



4

E



0

1

0

0

1

1

1

0



XXXXXXXXXXXXXXXX

HEX F8

DEC



BIN

▲	▲	▲	▲
-	0	0	8
▼	▼	▼	▼

1	1	1	1	1	0	0	0
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