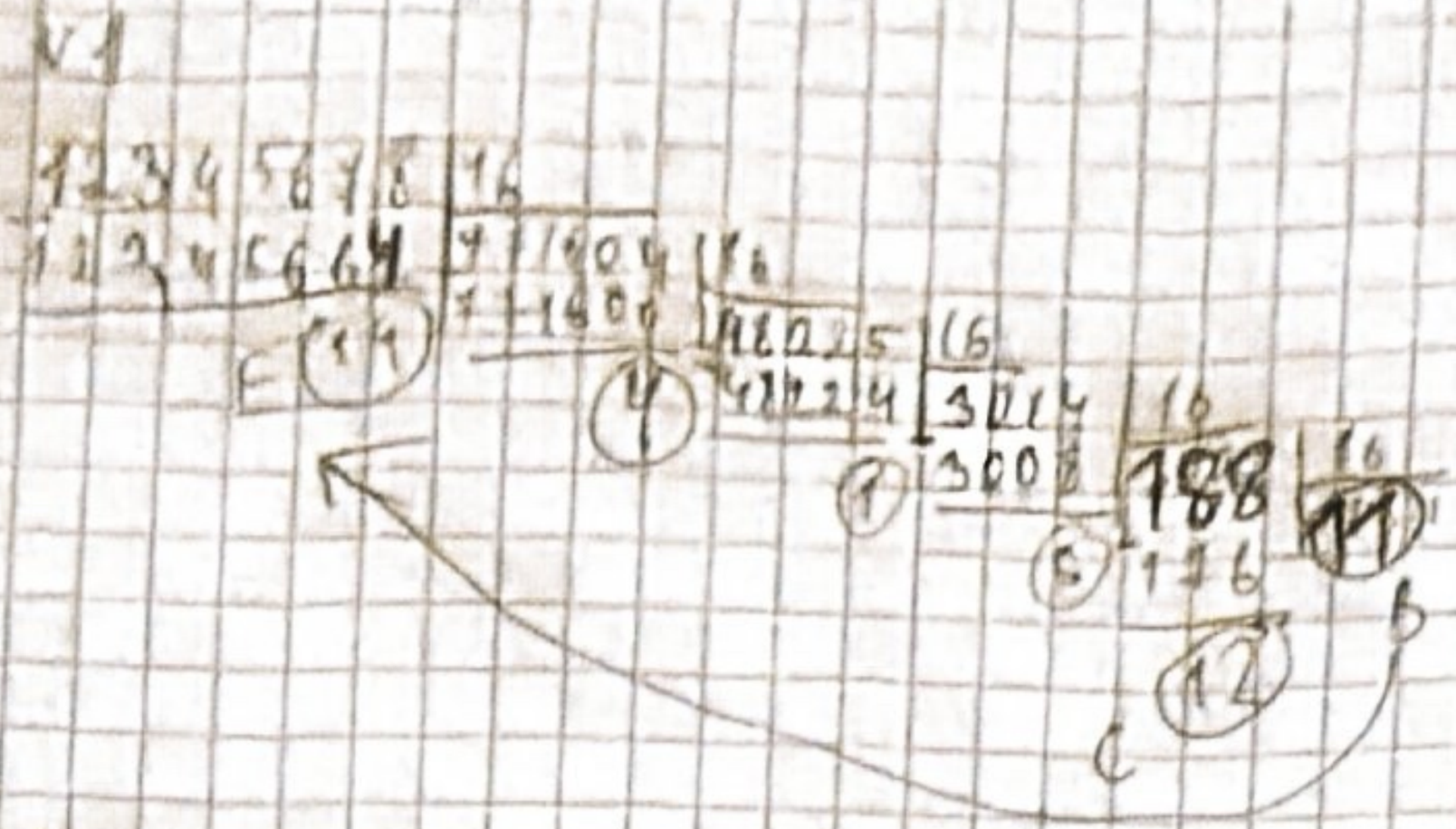
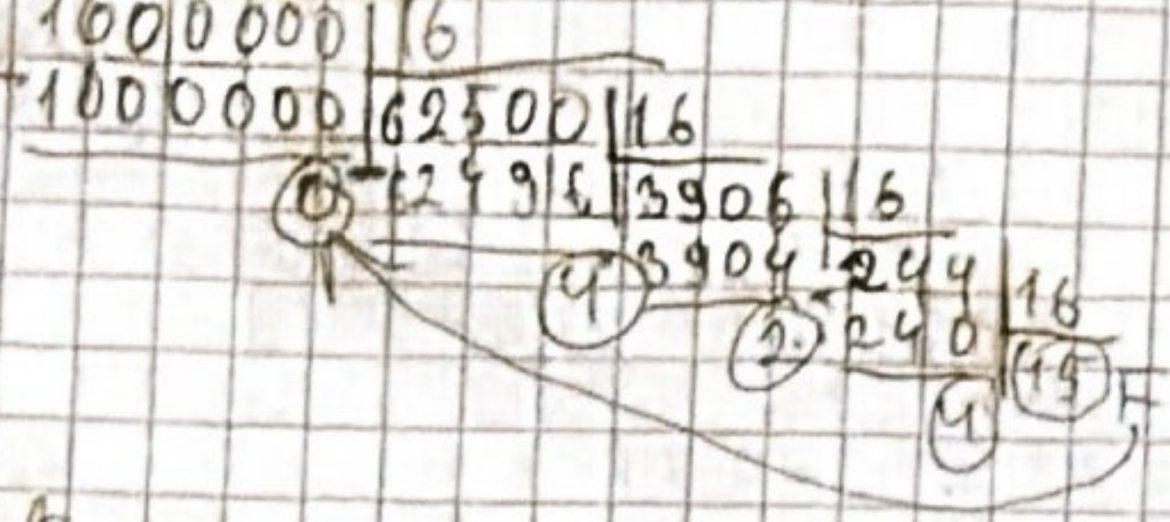
№1



Ответ: BC614E



Ответ: F4240

№2

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 = $15 \cdot 16^4 + 4 \cdot 16^3 + 2 \cdot 16^2 + 4 \cdot 16^1 + 0 \cdot 16^0 = 1000000$

№3 A = есть студент B = есть мед C = есть хлеб

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

№4

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

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

Таблица истинности

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

A	B	$A \wedge B$	$\bar{A} \wedge \bar{B}$	$A \wedge B \vee \bar{A} \wedge \bar{B}$	$A \Leftrightarrow B$
0	0	0	1	1	1
0	1	0	0	0	0
1	0	0	0	0	0
1	1	1	0	1	1

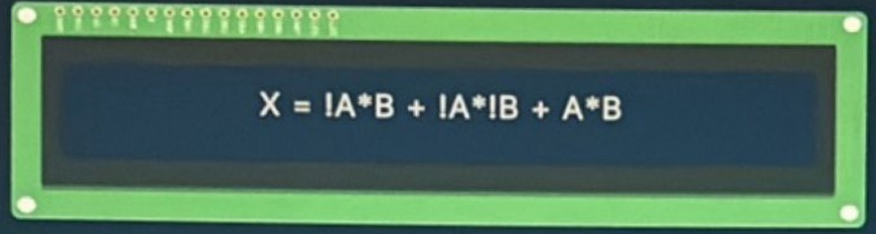
Таблица истинности

№6

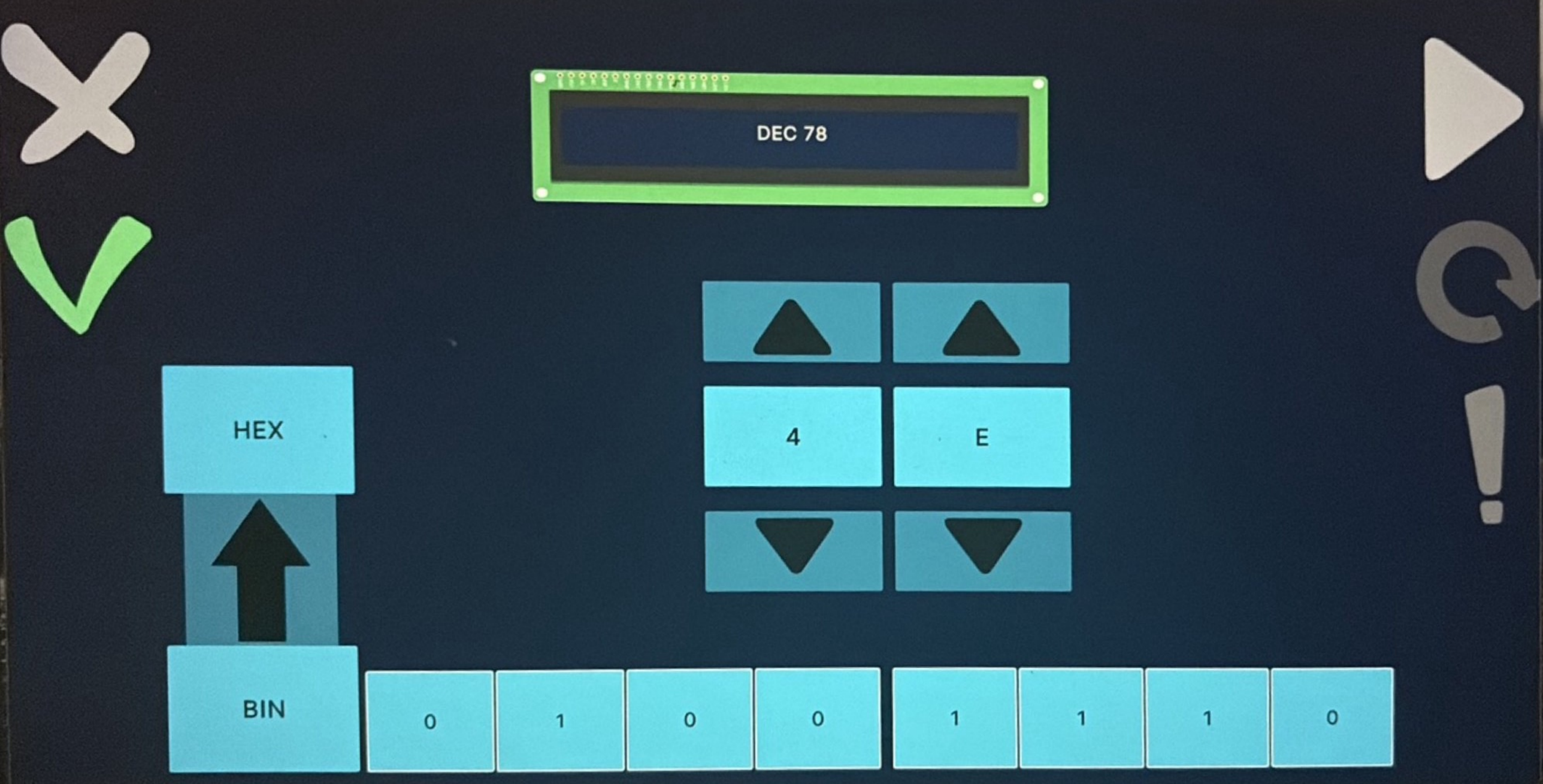
$X = (B \to A) \wedge [\overline{A \vee B}] \wedge (A \to C) = (\bar{B} \vee A) \cdot (A \vee \bar{B}) \cdot (\bar{A} \vee C) =$

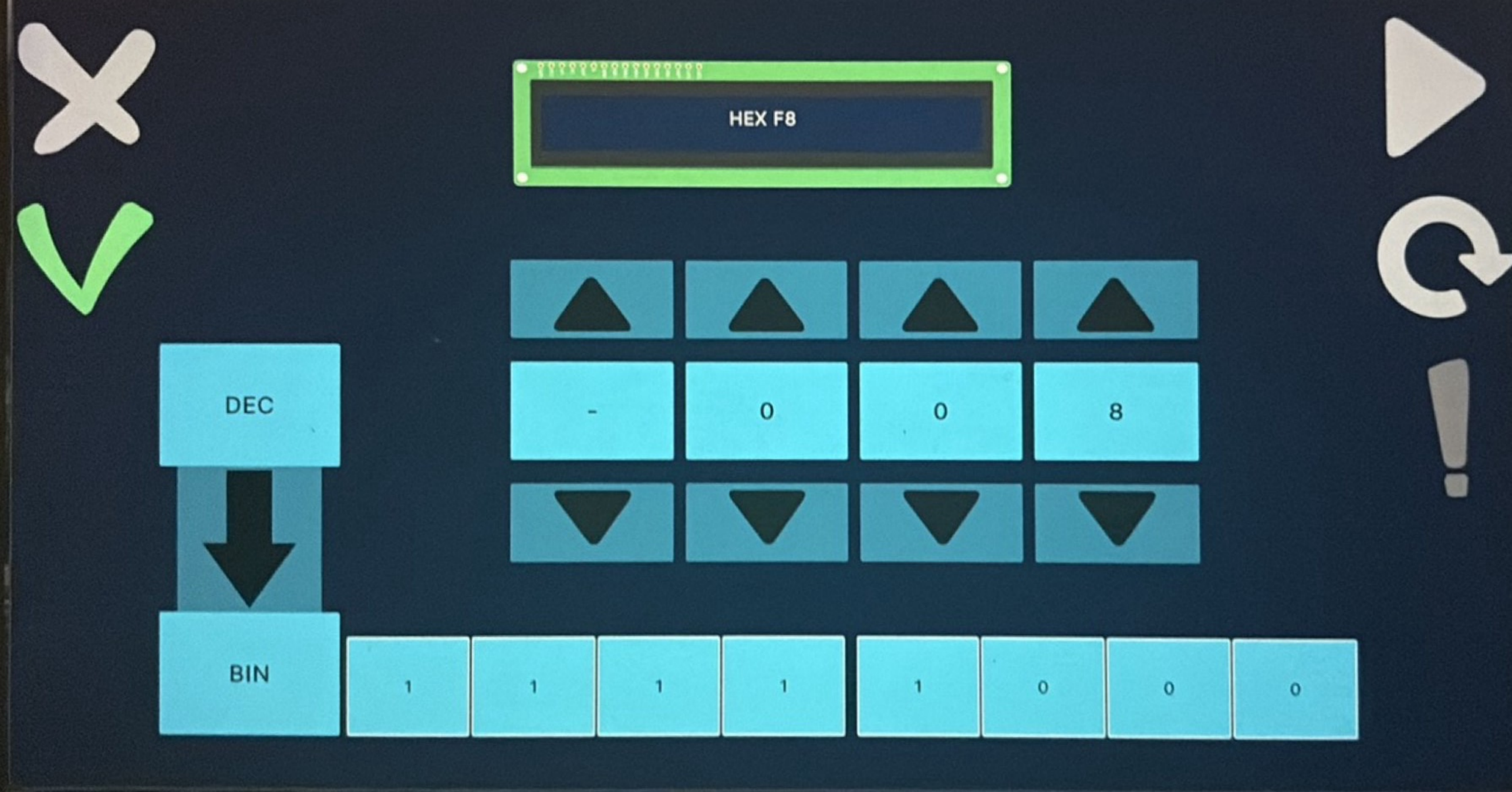
$= (A \vee \bar{B}) \cdot (\bar{A} \vee C) = A \wedge \bar{A} \vee A \wedge C \vee \bar{B} \wedge \bar{A} \vee \bar{B} \wedge C =$

$= A \wedge C \vee \bar{B} \wedge \bar{A} \vee \bar{B} \wedge C$



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


DEC 78
HEX
4
E
BIN
0
1
0
0
1
1
1
0


HEX F8
DEC
-
0
0
8
BIN
1
1
1
1
1
0
0
0