Question 1: Fill in the missing entries for the expression: not (A and B and not C and D or not E)

$\Delta$	В		Ь	E	LQ
0	0	0	0	0	0
0	0	0	0	1	1
0	0	0	1.	0	0
0	0	0	ı	1	O ?
0	0	1 1	0	0	O ?
0	0	1 1	0	1	?
0	0	1 1	1	0	0
0	0	1 1	1	1	1
0	1_	0	0	0	0
0	1.	0	0	1	<b>1</b> L
0	1	0	1.	0	3
0	1.	0	1 1	1	1
0	1.	1 1	0	0	0
0	1	1 1	0	1	1.
0	1	1 1	1.	0	?
0	1	1 1	1 1	1 1	3
1	0	0	0	0	0
1	0	0	0	0	1
<b>1</b> .	0	0	1	0	0
1	0	0	1	1	1
<b>1</b> .	0	1 1	0	0	2
1	0	1 1	0	1.	1
<b>1</b> .	0	<b>  1</b>	1	0	2
<b>1</b> .	0	1 1	1	1	1
1	1	0	0	0	0
1	1_	0	0	ı	1
<b>1</b> .	1 1	0	1.	0	0
1 1	1.	0	1.	1.	0
1	1.	1 1	0	0	0
<b>1</b> .	1.	1 1	0	1	1
1	1 1	1.	1 1	0	0
<b>1</b> .	<b>1</b> 11.		<b>1</b> 1.	<b></b> _	?

$\Box$	В	c		⊫	Q
О	О	О	0	О	0
0	0	0	0	1	1
0	О	0	1 1	0	0
0	0	0	1 1	1	1
0	0	1 1	0	0	0
0	О	1 1	0	1	1
0	0	1 1	1 1	0	0
0	О	1 1	1 1	1	<b>1</b> L
0	1	0	0	О	0
0	1	0	0	1	1
0	1	0	1 1	О	0
0	1	0	1 1	1	1.
0	1	1.	0	О	0
0	1	1_1_	0	1	1
0	1	1 1	1 1	О	0
0	1	1 1	1 1	1	1
1_	О	0	0	О	0
<b>1</b> .	О	0	0	1	1
<b>1</b> .	О	0	1 1	0	0
<b>1</b> .	0	0	1 1	1	1
<b>1</b> .	О	1.	0	0	0
<b>1</b> .	О	1.	0	1	1
<b>1</b> .	О	1 1	1 1	О	0
<b>1</b> L	О	1 1	1 1	1	<b>J</b> L
<b>1</b> L	1	0	0	О	0
1.	1	0	0	1	1
<b>1</b> .	1	0	1 1	О	0
<b>1</b> .	1	0	1 1	1	0
1	1	1 1	0	0	0
1	1	1 1	0	ı	<b>3</b> L
1	1.	1	1 1	0	0
1.	1	1 1	1 1	1	1

Question 2: Fill in the missing entries for the expression: not (A or B or not C or D or E)

$\triangle$	В		Ь	E	LQ
0	О	0	О	О	0
0	0	0	О	1	0
0	0	0	1	0	0
0	0	0	1	1	0
0	0	<b>1</b> 1	0	0	1
0	0	<b>1</b> 1	0	<b>1</b>	0
0	0	1.	1	0	0
0	О	1 1	1	1	O ?
0	1	0	О	0	
0	1	0	0	1 1	0
0	1	0	1	0	0
0	1.	0	1.	1.	O ? ? ?
0	1	1 1	О	0	?
0	1	1 1	О	1 1	?
0	1	1 1	1	0	2
0	1	1 1	1	1 1	0
<b></b>	О	0	О	0	0
<b>1</b> .	О	0	0	0	0
1	0	0	1	0	0
<b>ユ</b> .	0	0	1	1	0
<b></b> _	0	1	0	0	0
<b>ユ</b>	0	1 1	0	1	0
<b></b>	0	1 1	1	0	0
<b>ユ</b> .	О	1 1	1	1	0
<b>ユ</b> .	1	0	0	0	0
<b>1</b>	1	0	О	1	0
<b></b>	1	0	1	0	0
1	1	0	1	1	?
1	1	1 1	0	0	0
1	1	1 1	О	1 1	0
1	1.	1 1	1.	0	0
<b>1</b> .	<b>TL</b>	11.	<b>11</b> .	<b>1</b> 1	0

$\Box$	В		Ь	⊫	L Q_
0	О	О	0	О	0
0	О	0	0	1	0
0	О	0	1 1	О	0
0	О	0	1 1	1	0
0	0	1 1	0	0	1
0	О	1 1	0	1	0
0	0	1 1	1 1	0	0
0	0	1 1	1.	1	0
0	1	0	0	О	0
0	1	0	0	1	0
0	1	0	1 1	О	0
0	1	0	1 1	1	0
0	1	1.	0	О	0
0	1	1_1_	0	1	0
0	1	1 1	1 1	0	0
0	1	1 1	1 1	1	0
1.	О	0	0	О	0
1.	О	0	0	1	0
<b>1</b> .	О	0	1 1	0	0
1.	О	0	1 1	1	0
<b>1</b> .	О	1.	0	0	0
1.	О	1 1	0	1	0
<b>1</b> .	О	1 1	1 1	О	0
<b>1</b> .	О	1 1	1 1	1	0
<b>1</b> .	1	0	0	О	0
<b>1</b> .	1	0	0	1	0
<b>1</b> .	1	0	1 1	0	0
<b>1</b> .	1	0	1 1	1	0
1	1	1 1	0	0	0
1	1	1_	0	1	0
1	1	1 1	1_	0	0
<b>1</b> .	1.	1.	1 1	1	0

Question 3: Fill in the missing entries for the expression: A and not B or not C or not D or not E

$\triangle$	В	$\lfloor c \rfloor$	Ь	E	LQ
0	0	0	0	0	1
0	0	0	0	1	1
0	0	0	1	0	?
0	0	0	ı	1 1	<b>1</b> L
0	0	1 1	0	0	?
0	0	1 1	0	1	1
0	0	1	1.	0	?
0	0	1 1	1	1	0
0	1	0	0	0	1
0	1.	0	0	1 1	1
0	1	0	1.	0	1
ŏ	1 1	0	1	1	1
0	1	1 1	0	0	3
0	1.	1 1	0	1	1
0	1	1 1	1	0	1
0	1_	1	1.	1.	0
1	0	0	0	0	1
1	0	0	0	0	2
ı	0	0	1	0	1
1	О	0	1	1	1
1	0	1 1	0	0	1
1	0	1 1	0	1	1
1	0	1 1	1	0	?
1	0	1 1	1	1	1
<b>1</b> L	1	0	0	0	?
<b>1</b> .	<b>1</b>	0	0	1	1
1 1 1	1 1	0	1	0	1
	1	0	1.	1.	?
1	1	1 1	0	0	1
<b>1</b> .	1	1 1	0	1	1
1	1.	1 1	1.	0	1
1.	<b>1</b> 1.	<b></b>	<b>1</b> 1	<b>1</b> 1	0

	В	C	Ь	⊫	Q
0	О	0	0	О	1
0	О	0	0	1	1
0	О	0	1	О	1_
0	О	0	1 1	1	<b>1</b> L
0	О	1 1	0	О	1
0	О	1 1	0	1	<b>1</b> L
0	0	1 1	1 1	О	1.
0	О	1 1	1 1	1	0
0	1.	0	0	О	1
0	1	0	0	1	1
0	1.	0	1 1	О	1
0	1	0	1	1	1
0	1	1 1	0	О	1
0	1	1 1	0	1	1
0	1	1.	1	0	1
0	1_	1.	1	1	0
1.	0	0	0	О	1
1.	0	0	0	1	1
1.	0	0	1 1	0	1
1.	О	0	1 1	1	1
1.	0	1 1	0	0	1
1.	0	1 1	0	1	1
<b>1</b> .	0	1.	1.	0	1
1.	0	1.	1 1	1	1
1	1	0	0	О	1
1	1	0	0	1	1
1.	1	0	1 1	0	1
1.	1	0	1 1	1	1
1	1	1 1	0	0	1
1	1	1 1	0	1	11.
1	1	1 1	1.	0	11.
<b>1</b> .	1	1 1	1 1	1	0

Question 4: Fill in the missing entries for the expression: not (A and B or not C or D and not E)

$\Delta$	В		Ь	E	Q
0	0	0	0	0	0
0	0	0	0	1	0
О	0	0	1	0	0
0	0	0	ı	1	0
0	0	1 1	0	0	?
0	0	1 1	0	1.	1
0	0	<b>1</b> 1	1	0	?
0	0	1 1	1.	1	<b>1</b> .
0	1	0	0	0	-
0	1.	0	0	1	0
0	1.	0	1	0	0
0	1.	0	1	1	0
0	1.	1.	0	0	1
0	1	1	0	1	1
0	1	1.	1	0	0
0	1	1	1.	1	2
1	0	0	0	0	0
1 1	0	0	0	0	0
1	0	0	1.	0	0
<b>1</b>	0	0	1	1	0
<b>1</b>	0	1 1	0	0	1
1	0	1.	0	1	1
<b>1</b>	0	1 1	1	0	0
<b>1</b>	0	1 1	1	1	<b>J</b> L
<b>1</b>	1	0	0	0	0
1	1.	0	0	1	0
<b>1</b>	1.	0	1	0	0
1	1	0	1	1	0
1	1.	1_1_	0	0	0
1	1.	1	0	1	0
1	1	1 1	1	0	0
<b>1</b> 1.	<b>1</b> 11.		<b>1</b> 1.	<b></b> _	?

$\Box$	В	c		⊫	Q
0	О	О	0	О	0
0	О	0	0	1	0
0	0	0	1 1	0	0
0	0	0	1 1	1	0
0	0	1 1	0	0	1
0	О	1 1	0	1	1
0	0	1 1	1 1	0	0
0	О	1	1 1	1	1
0	1	0	0	О	0
0	1	0	0	1	0
0	1	0	1 1	О	0
0	1.	0	1 1	1	0
0	1.	1.	0	О	1
0	1	1 1	0	1	1
0	1	1 1	1 1	О	0
0	1.	1	1_1_	1	11.
<b>1</b> .	О	0	0	О	0
<b>1</b> .	О	0	0	1	0
<b>1</b> .	О	0	1 1	О	0
<b>JL</b>	О	0	1 1	1	0
<b>1</b> .	О	1 1	0	О	1
<b>1</b> .	О	1 1	0	1	1
<b>1</b> .	О	1 1	1 1	О	0
<b>1</b> .	0	1 1	1 1	1	1
<b>JL</b>	1	0	0	0	0
<b>1</b> .	1	0	0	1	0
<b>1</b> .	1	0	1 1	О	0
<b>JL</b>	1	0	1 1	1	0
1	1	1 1	0	0	0
1	1	1_	0	1	0
1	1	1 1	1 1	0	0
1.	<b>1</b> .	1 1 1	1 1 1	1	0

Question 5: Fill in the missing entries for the expression: not (A or not B and C or not D or E)

$\Delta$	В	C	Ь	E	LQ
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	<b>1</b>	0	1
0	0	0	ı	ı	1 ?
000000	0	1.	0	0	
0	0	1 1	0	1	O ? O ?
0	0	1 1 1	1	0	0
0	0	1 1	1	1	?
0	1_	0	0	0	?
0	1.	0	0	1	0
0	1	0	1	0	1
0	1	0	1.	1	0
0	1	1.	0	0	0
0	1	1	0	ı	O ?
0	1.	1.	1	0	1
0	1.	1	1 1	1	0
1	0	0	0	0	0
1	0	0	0	0	0
1	0	0	<b>1</b>	0	3
1	0	0	1.	1	3
1.	0	1 1	0	0	0
1	0	1 1	0	1	0
1.	0	1.	1	0	0
1.	0	<b>1</b> .	1 1	1	0
1.	1.	0	0	0	0
1	1.	0	0	1	0
1	<b>1</b> .	0	1	0	0
1.	1.	0	1	1	0
1	1.	<b>1</b>	0	0	0
1	1.	1.	0	1	3
1	1_	1 1	1	0	0
<b>1</b> .	1	<b>1</b> 1	1 1	1 1	0

$\Box$	В		Ь	⊨	L Q_
0	О	О	О	О	0
0	О	0	0	1	0
0	О	0	1 1	0	1
0	О	0	1 1	1	0
0	О	1 1	0	0	0
0	0	1_1_	0	1	0
0	0	1 1	1 1	0	0
0	0	1 1	1.	1	0
0	1	0	0	0	0
0	1	0	0	1	0
0	1	0	1_1	0	1
0	1	0	1 1	1	0
0	1	1.	0	0	0
0	1	1 1	0	ı	0
0	1	1_1_	1 1	0	1
0	1	1 1	1 1	1	0
1.	0	0	0	0	0
1.	О	0	0	1	0
1.	О	0	1 1	О	0
<b>1</b> .	О	0	1 1	1	0
1.	0	1 1	0	0	0
1.	О	1.	0	1.	0
<b>1</b> .	О	1.	1.	0	0
<b>1</b> .	0	<b>1</b> 1	1 1	1	0
1.	1	0	0	0	0
1.	1	0	0	1	0
1.	1.	0	1.	0	0
1.	1	0	1 1	1	0
1	1	1 1	0	0	0
1	1	1 1	0	1	0
1	1.	1	1.	0	0
<b>1</b> .	1	1 1	1 1	1	0