Question 1: Fill in the missing entries for the expression: A and B and C and D

1:00000001

2:01101110

3:11010111

4:10111001

	В	c	Ь	Q
О	О	0	О	О
0	О	0	1	?
0	0	1 1	0	?
0	О	1 1	1.	0
О	1	0	О	О
0	1	0	1	?
0	1	1 1	0	0
0	1	1 1	1	?
1	О	0	0	?
1	О	0	1 1	0
1	О	1 1	0	0
1	О	1 1	1	0
1	1	0	0	?
1	1	0	1	?
1	1	1 1	0	0
1	1	1 1	1 1	?

Correct Option: 1: 0 0 0 0 0 0 0 1

A	В	c	Ь	Q
О	О	О	О	О
О	О	0	1	0
О	О	1	0	0
О	О	1	1	0
О	1	0	0	0
0	1	0	1	0
О	1	1	0	0
О	1	1 1	1	0
1	О	0	0	0
1	О	0	1	0
1	О	1 1	0	0
1	О	1 1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1 1	0	0
1	1	1 1	1	1

Question 2: Fill in the missing entries for the expression: A and not B and not C

1:0110

2:0001

3: 0 0 0 0

4: 1 0 1 1

A	в	С	Q
О	О	О	О
О	О	1	?
О	1	О	?
О	1	1	?
1	О	О	1
1	О	1	О
1	1	О	О
1	1	1	?

Correct Option: 3: 0 0 0 0

A	в	С	Q
О	О	О	О
О	О	1	О
О	1	О	О
О	1	1	О
1	О	О	1
1	О	1	О
1	1	О	О
1	1	1	0

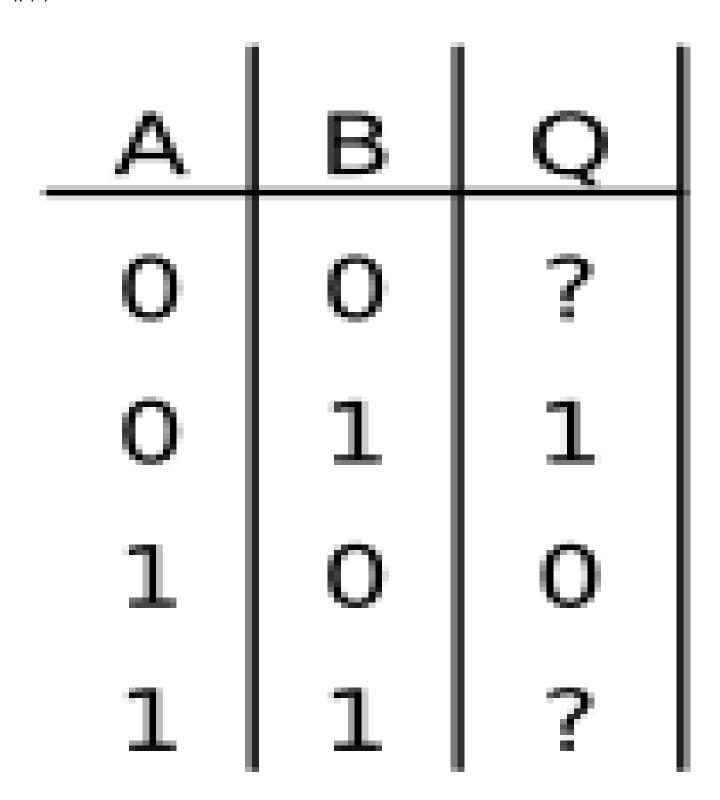
Question 3: Fill in the missing entries for the expression: not (A and not B)

1: 0 1

2:10

3: 0 0

4: 1 1



Correct Option: 4: 1 1

_A	В	Q
0	0	1
0	1	1
1	0	0
1	1	1

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

1:1011

2:0010

3: 0 1 0 0

4: 1 0 0 1

	в	С	Q
О	О	О	?
О	О	1	?
О	1	О	?
О	1	1	О
1	О	О	1
1	О	1	?
1	1	О	1
1	1	1 1	0

Correct Option: 1: 1 0 1 1

A	в	С	Q
О	О	О	1
О	О	1	О
О	1	О	1
О	1	1	О
1	О	О	1
1	О	1	1
1	1	О	1
1	1	1	0

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

1:00101000

2:11011110

3:00100111

4:00010111

	В	c	Ь	Q
0	0	0	0	0
О	О	0	1	1
0	О	1	0	0
О	О	1.	1	?
0	1	0	0	?
0	1	0	1	?
0	1	1	0	0
О	1.	1.	1	?
1	О	0	0	0
1	О	0	1	?
1	О	1 1	0	0
1	О	1.	1	О
1	1	0	0	?
1	1.	0	1	0
1	1.	1.	0	?
1	1	1 1	1 1	?

Correct Option: 1: 0 0 1 0 1 0 0 0

А	В	c	Ь	Q
О	О	О	О	О
О	О	0	1	1
0	О	1	0	0
0	О	1 1	1	0
О	1	0	0	0
0	1	0	1	1
О	1	1	0	0
О	1	1	1	0
1	О	0	0	0
1	О	0	1	1
1	О	1 1	0	0
1	О	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1 1	0	0
1	1	1 1	1	0

Question 6: Fill in the missing entries for the expression: not (A or B and not C)

1:1001

2:0011

3: 1 1 0 0

4: 1 1 1 1

A	в	С	Q
О	О	О	?
О	О	1	?
О	1	О	О
О	1	1	1
1	О	О	О
1	О	1	?
1	1	О	?
1	1	1	О

Correct Option: 3: 1 1 0 0

A	в	С	Q
О	О	О	1
О	О	1	1
О	1	О	О
О	1	1	1
1	О	О	О
1	О	1	О
1	1	О	О
1	1	1	0

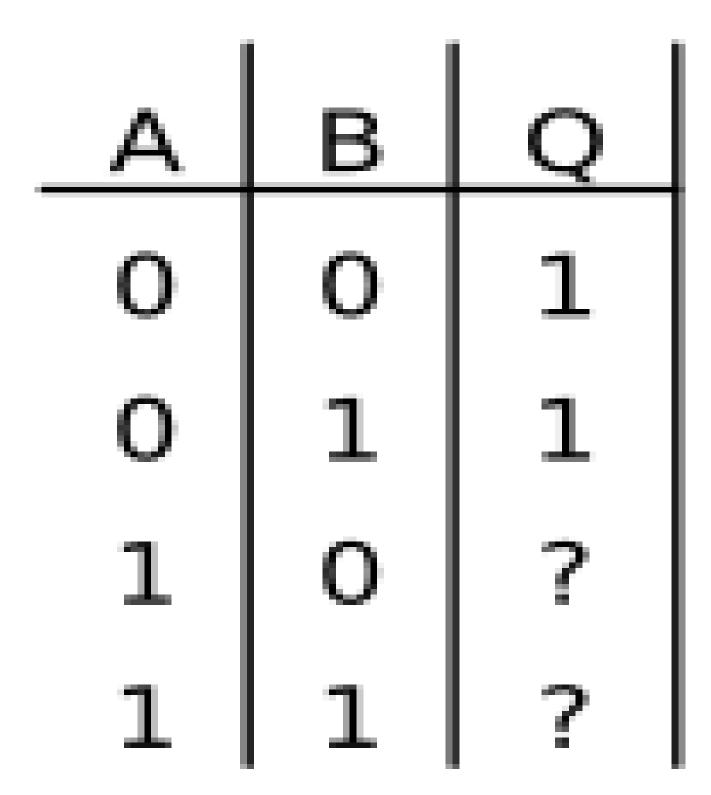
Question 7: Fill in the missing entries for the expression: not (A and not B)

1: 1 0

2: 0 1

3: 0 0

4: 1 1



Correct Option: 2: 0 1

_A	В	Q
0	0	1
0	1	1
1	0	0
1	1	1

Question 8: Fill in the missing entries for the expression: not (A and B and not C and not D)

1:11110010

2:11101100

3:11111011

4: 1 0 1 0 1 1 1 1

	В	c	Ь	Q
О	О	0	О	?
0	О	0	1 1	1
0	0	1 1	0	1
0	О	1 1	1.	1
О	1	0	0	1
0	1	0	1 1	?
0	1	1 1	0	1
0	1	1 1	1 1	1
1	О	0	0	1
1	О	0	1 1	?
1	О	1 1	0	?
1	О	1 1	1 1	?
1	1	0	0	?
1	1	0	1.	?
1	1	1 1	0	?
1	1	1 1	1 1	1

Correct Option: 3: 1 1 1 1 1 0 1 1

А	в	c	Ь	Q
О	О	0	О	1
0	О	0	1	1
0	О	1 1	0	1
0	О	1 1	1	1
О	1	0	0	1
О	1	0	1	1
0	1	1 1	0	1
О	1	1 1	1	1
1	О	0	0	1
1	О	0	1	1
1	О	1 1	0	1
1	О	1 1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1 1	0	1
1	1	1 1	1	1

Question 9: Fill in the missing entries for the expression: A and not B and C or D or E

1:0101110011111001

2:0000010010111001

3:1100010101110101

4:0000011111100110

\triangle	В	С	Ь		Q
0000	0	0000	0	0	~
0	0	0	0	0	? 1 ? ?
0	0	0	1	0	ユ
0	0	0	⊐∟	- TIL	~
0	0	1 1 1			-5
0	0	 _		1	1 .
0	0	I	1 1 0		1
0	0	1	1	0	~
0	1	0	0	0	0
0	1 L	0	0	10	1
0	TL .		TL	0	-5-
0	T		I	1 0	?
0	1 .	I 31. I	0	0	-5
0	TIL.	1 -1 1	0	э О	1
0	T L.	11	= 1.	0	1
0	TL .	1	1 0 0 1		11?01???111??
1 .	0	0	0		~
э э	0	0	0	1 .	-5
I	0	0	3 L	0	1
ユ	0	0	1	11 .	1
1 .	0		0	0	->
э э	0000	1 1	1 0 0 1	1 0	
1 .	0	1 1	1 1	0	~
⊐ L	0		3 L	:IL	-5-
1 .	1 L	0	0	0	-5
1 .	1 .	0	0	1 .	1 .
1 .	1 L	0	1 .	0	1
1	3 L	0		3 L	1
J L	- TL		0	0	
1 .	1 L	1 1.	0	11 .	~
1	I	 _	31 .	0	
1 .	1 .	1 1.	1 1	1	1

Correct Option: 1: 0 1 0 1 1 1 0 0 1 1 1 1 1 0 0 1

	В	С	Ь	E	Q
0	0	0	0	0	0
0	0	0	0	1	1 1
0	О	0	1	0	1 1
0	О	0	1	1	<u>ı</u>
0	О	1 1	0	0	0
0	0	1 1	0	1	<u>ı</u>
0	О	1 1	1	0	1
0	0	1 1	1	1	1 1
0	1	0	0	0	0
0	1.	0	0	1.	1 1
0	1	0	1	0	1 1
0	1	0	1	1	1
0	1	1	0	0	0
0	1	1 1	0	1	1 1
0	1	1 1	1	0	1 1
0	1	1_1_	1.	1	1
1	0	0	0	0	0
1 .	0	0	0	1	1 1
1	0	0	1.	0	1 1
1	0	0	1	1	1 1
1	О	1 1	0	0	1 1
1 .	О	1 1	0	1	1 1
1	0	1 1	1.	0	1 1
1	О	1.	1.	1 1	1 1
1	1	0	0	0	0
1 .	1	0	0	1.	1 1
1	T L.	0	1.	0	1_
1	1.	0	1	1	1
1	1	1_	0	0	0
1	1.	1.	0	1	<u>ı</u> _
1	1 L	1 1	1	0	1 .
1 .	1	1 1	1	1 1	1

1:1011

2: 0 1 0 0

3: 1 1 1 0

4: 0 1 1 1

	в	С	Q
О	О	О	1
О	О	1	?
О	1	О	?
О	1	1	?
1	О	О	?
1	О	1	1
1	1	О	1
1	1	1	1

Correct Option: 3: 1 1 1 0

A	в	С	Q
О	О	О	1
О	О	1	1
О	1	О	1
О	1	1	1
1	О	О	О
1	О	1	1
1	1	О	1
1	1	1	1