Quiz

Total Time: 10 minutes

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

1:0100

2:1111

3:0010

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

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

1:0111

2: 1 1 0 0

3:0001

4: 0 0 0 0

	В	С	Q
О	О	О	?
О	О	1	О
О	1	О	?
О	1	1	О
1	О	О	?
1	О	1	1
1	1	О	О
1	1	1	?

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

1:0011

2:0001

3: 1 0 1 1

4: 1 1 1 1

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

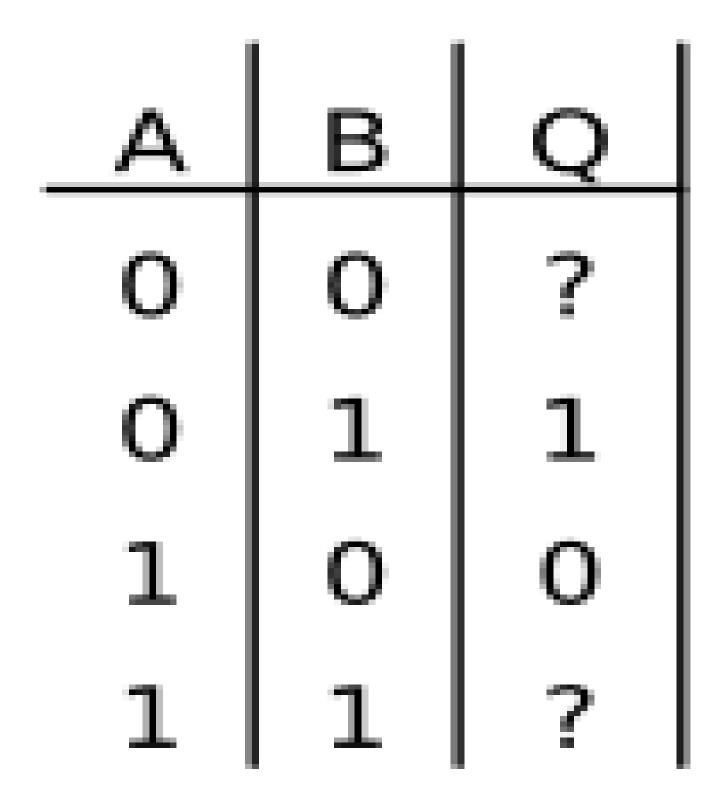
Question 4: Fill in the missing entries for the expression: not (A or not B)

1:00

2:10

3: 1 1

4: 0 1



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

1:0111110

2:00010011

3:11011111

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

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

1:0111100

2:11111111

3:00001011

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

Question 7: Fill in the missing entries for the expression: A and not B and not C and D and not E

1:11101011110111000

2:1101010001001110

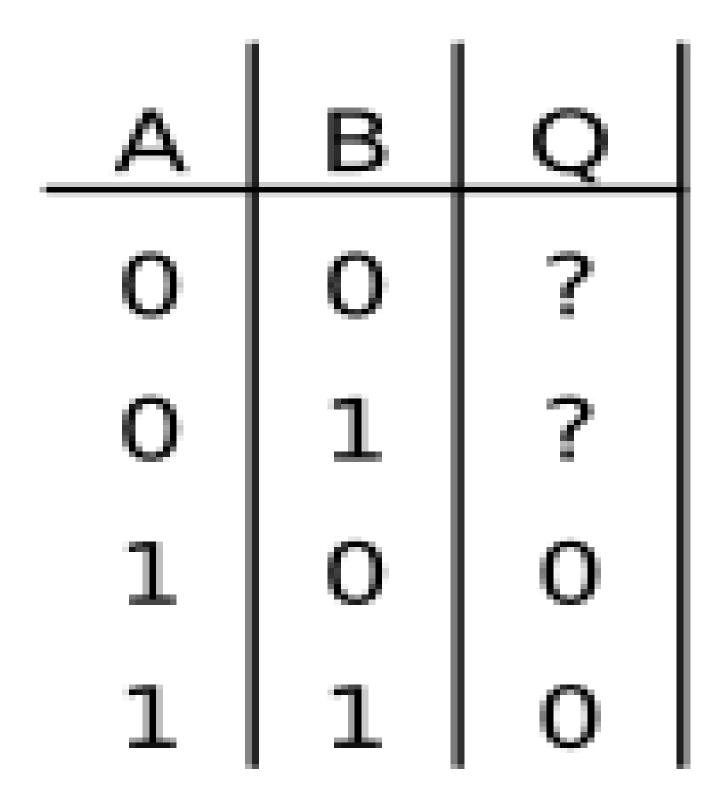
\triangle	В		Ь	E	Q
0	Ó	0	0	0	0
0		0		I	0 ? 0 ? ? ? ? ? ? 0 ? 0 ? 0
0000000	000000			0	0
0	0		1 0	I	~
0	0	1 1		0	?
0	0	 _		1 1.	~
0	0	 _	1 71 1		0
0		l – n – l		1 1.	~
0	'IL			0	0
0	I			1 1.	?
0	`⊒L	0	<u> </u>	0	-
0	1		 _	I	~
0 0 0	1 .	1 -1	1 1 0		0
0	⊐ L	1 1 1			0
0	⊐L.		<u>a</u> .	0	~
0			1	= L	0
1	0	0	0	0	0
1 .	0			1 1.	?
I	000000		1 1 0	0	0 ? 1 0
1 .	0		<u>1</u> .	1 1.	0
1 .	0	 _			? ? ?
1 .	0	<u> </u>		= L	0
1 .	0	1	1 1		~
3 L	0		<u>a</u> .	TL	-
1	1			0	~
1 .	⊐∟.			1 .	0
I	`⊒L	0	1 1	0	?
1	1 L	0		3 .	0
3 L	⊐∟.		0	0	· 2
1	`⊒∟	<u> </u>		1 .	0
3 L	⊐∟.	<u> </u>			0
1 .	1.	1 1		1 .	0

1: 1 1

2:10

3: 0 1

4: 0 0



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

1:0001001000111001

2:0101110110010101

3:0110111010111101

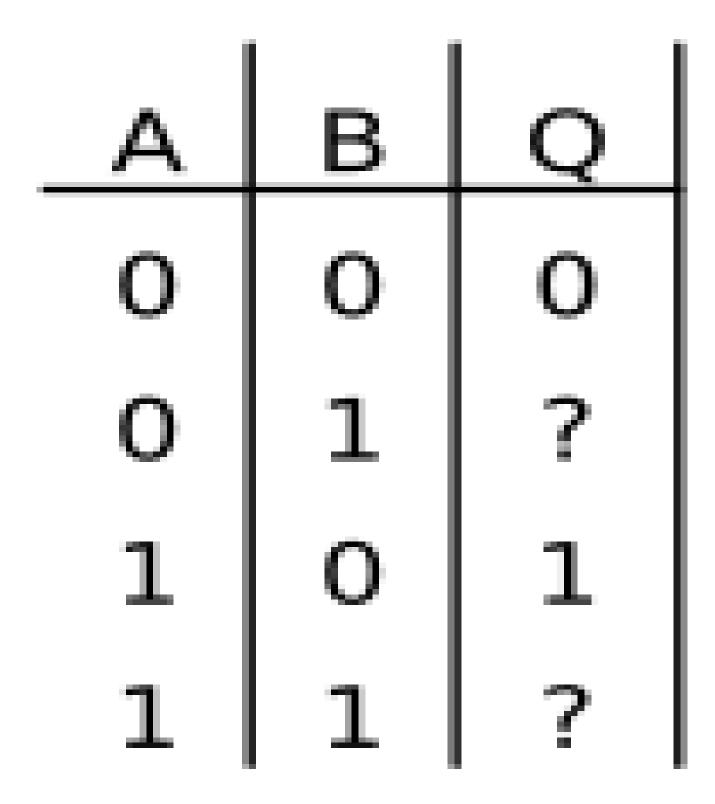
	В	C	Ь	E	Q
0	0	0	0	0	
0	\circ	0		:⊒L.	0
0	0	0		0	0
0	0	0	⊐∟	1	0
0	0	0	1 1 0	0	1
0	0	<u> </u>		11 .	0 1 0
0	0 0 0	I	1 1 0		1
0	0	1 .	1 .	0	サット・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
0	3 L	0	0	0	3
0	1	0	0	0	~
0	1 .	0	0 1 0 0	0	3
0	1 L	0	1 1.	1 0	3
0	1 .	1 .		0	1 .
0	3 L	1 .		⊐.	0
0	1 .	1 .	3 L	0	?
0	1 .				3
э. э.	0	0	0	0	~
1 .	0	0		 _	0
1 .	0	0	T.	0	3
1 .	00000	0	0	0	~
1 1 1	0	⊐∟.			0
	0	1	0	0	3
1 .	0	1	1	0	0
1 L	0	T	T	⊐.	0
1		0		0	0
1	1 L	0		⊐.	?
1	1	0	1 1.	0	0
1	3 .			1 .	V V V V V V
1 L	3 L	JL .		0	?
1		T		1 .	?
1 .	3 L	⊐.	1	0	3
1	TL	1	1 1	 _	?

1: 1 1

2: 0 1

3: 0 0

4: 1 0



Answers

Answer to Question 1:

Correct Option: 1: 0 1 0 0

A	В	С	Q
О	О	О	О
О	О	1	1
О	1	О	1
О	1	1	1
1	О	О	О
1	О	1	О
1	1	О	О
1	1	1	0

Answer to Question 2:

Correct Option: 4: 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	О
1	О	1	1
1	1	О	О
1	1	1	О

Answer to Question 3:

Correct Option: 4: 1 1 1 1

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

Answer to Question 4:

Correct Option: 1: 0 0

A	В	Q
0	0	0
0	1	1
1	0	0
1	1	0

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

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

Correct Option: 2: 1 1 1 1 1 1 1 1

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

Answer to Question 7:

\triangle	В	c	Ь	⊫	Q
0	0	0	0	0	0
0	О	0	0	1	0
0	О	0	1	О	0
0	О	0	1	1	0
0	О	1 1	0	О	0
0	0	1 1	0	1	0
0	О	1 1	1	О	0
0	0		1	ı	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	0
0	1		0	О	0
0	1		0	1	0
0	1	1 1	1	О	0
0	1	1.	1 1	1	0
1	0	0	0	0	0
1.	0	0	0	1	0
1.	0	0	1	0	1
1	0	0	1.	1	0
1	0	1.	0	О	0
1	0	1 1	0	1	0
1.	0		1.	0	0
1.	0	1.	1.	1	0
1	1	0	0	О	0
1.	1	0	0	1	0
1	1	0	1 1	0	0
1.	1	0	1.	1	0
1 .	1.	1.	0	0	0
1.	1	1 1	0	1	0
1 .	1	1 1	1 1	0	0
1.	1	1 1	1 1	1	0

Correct Option: 3: 0 1

_	В	Q
0	0	0
0	1	1
1	0	0
1	1	0

Answer to Question 9:

Correct Option: 4: 0 0 0 0 1 1 0 0 0 0 0 1 0 1 1

	В	С	Ь	E	Q
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	1	О	0
0	0	0	1.	1	0
0	0	1 1	0	О	1
0	0	 _	0	1	0
0	О	1 1	1	О	1
0	0	 _	1	1	1
0	1_	0	0	О	0
0	1.	0	0	1	0
0	1	0	1	О	0
0	1	0	1	1	0
0	1		0	О	1
0	1	 _	0	1	0
0	1	 _	1.	О	1
0	1	1 1	1.	1	1
1	0	0	0	0	0
1	0	0	0	1	0
1.	0	0	1.	0	0
1	0	0	1.	1	0
1	0	1 1	0	О	0
1	О	1 1	0	1	0
1	0		1.	0	0
1 .	0	 _	1.	1	0
1	1	0	0	О	0
1	1	0	0	1	0
1	1	0	1	0	0
1	1	0	1.	1	0
1 .	1.	1 1	0	0	1_
1.	1	1 1	0	1	0
1 .	1	1 1	1	0	1
1 .	1	1 1	1	1	<u> </u>

Correct Option: 3: 0 0

_	В	Q
0	0	0
0	1	0
1	0	1
1	1	0