

Quiz

Total Time: 10 minutes

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

Options:

1: 1 1 0 0 0 0 0 1

2: 0 1 1 0 1 0 1 1

3: 1 0 1 0 0 0 1 0

4: 1 1 0 0 0 0 1 1

A	B	C	D	Q
0	0	0	0	1
0	0	0	1	0
0	0	1	0	?
0	0	1	1	?
0	1	0	0	1
0	1	0	1	?
0	1	1	0	1
0	1	1	1	1
1	0	0	0	?
1	0	0	1	0
1	0	1	0	?
1	0	1	1	?
1	1	0	0	1
1	1	0	1	?
1	1	1	0	?
1	1	1	1	1

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

Options:

1: 0 1

2: 0 0

3: 1 0

4: 1 1

A	B	Q
0	0	?
0	1	1
1	0	?
1	1	0

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

Options:

1: 1 0 1 1 1 0 0 1

2: 0 0 1 0 1 0 0 0

3: 0 0 0 0 0 0 0 0

4: 0 0 0 1 0 1 1 0

A	B	C	D	Q
0	0	0	0	1
0	0	0	1	?
0	0	1	0	?
0	0	1	1	0
0	1	0	0	?
0	1	0	1	?
0	1	1	0	?
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	?
1	1	0	0	?
1	1	0	1	?
1	1	1	0	0
1	1	1	1	0

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

Options:

1: 0 1 1 0

2: 1 1 1 0

3: 0 0 0 0

4: 1 1 0 0

A	B	C	Q
0	0	0	0
0	0	1	?
0	1	0	?
0	1	1	1
1	0	0	?
1	0	1	0
1	1	0	0
1	1	1	?

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

Options:

1: 0 0 0 0 0 1 0 0

2: 0 0 0 1 1 1 1 1

3: 1 0 1 1 0 1 1 0

4: 0 1 0 0 1 1 0 0

A	B	C	D	Q
0	0	0	0	?
0	0	0	1	?
0	0	1	0	?
0	0	1	1	0
0	1	0	0	0
0	1	0	1	?
0	1	1	0	0
0	1	1	1	?
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	?
1	1	0	0	0
1	1	0	1	?
1	1	1	0	0
1	1	1	1	?

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

Options:

1: 1 0 0 0 1 1 1 0 1 0 1 1 0 0 1 0

2: 1 1 0 1 1 0 1 1 0 1 0 0 1 0 1 0

3: 1 1 1 0 0 0 1 1 1 1 0 1 0 0 0 1

4: 1 1 1 1 1 1 0 0 0 1 1 1 0 1 1 1

[illegible]

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

Options:

1: 0 1 0 0 1 1 1 0

2: 0 0 0 0 1 1 1 1

3: 1 1 0 0 0 0 0 0

4: 0 0 0 0 0 0 1 1

A	B	C	D	Q
0	0	0	0	?
0	0	0	1	?
0	0	1	0	0
0	0	1	1	?
0	1	0	0	?
0	1	0	1	?
0	1	1	0	0
0	1	1	1	0
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	?
1	1	0	0	1
1	1	0	1	?
1	1	1	0	1
1	1	1	1	?

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

Options:

1: 1 0

2: 0 0

3: 1 1

4: 0 1

A	B	Q
0	0	1
0	1	1
1	0	?
1	1	?

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

Options:

1:0011000101111101

2: 1 1 0 1 0 1 1 0 0 0 1 0 1 0 1 0

3: 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 0

4: 1 1 1 0 1 1 0 1 1 1 1 1 1 0 0 0

[illegible]

Question 10: Fill in the missing entries for the expression: A and B and not C and not D or E

Options:

1: 1 1 1 1 0 1 1 0 0 1 0 0 0 0 1 1

2: 1 0 0 1 1 0 1 0 1 1 1 0 1 0 1 0

3: 0 0 1 1 1 1 0 0 0 1 0 0 1 0 0 1

4: 1 0 0 0 0 0 1 1 0 0 0 0 1 0 0 0

[illegible]

Answers

Answer to Question 1:

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

A	B	C	D	Q
0	0	0	0	1
0	0	0	1	0
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	1
1	1	1	1	1

Answer to Question 2:

Correct Option: 2: 0 0

A	B	Q
0	0	0
0	1	1
1	0	0
1	1	0

Answer to Question 3:

Correct Option: 2: 0 0 1 0 1 0 0 0

A	B	C	D	Q
0	0	0	0	1
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	1
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

Answer to Question 4:

Correct Option: 4: 1 1 0 0

A	B	C	Q
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0

Answer to Question 5:

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

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

Answer to Question 6:

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

[illegible]

Answer to Question 7:

Correct Option: 2: 0 0 0 0 1 1 1 1

A	B	C	D	Q
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	1
0	1	1	0	0
0	1	1	1	0
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

Answer to Question 8:

Correct Option: 4: 0 1

A	B	Q
0	0	1
0	1	1
1	0	0
1	1	1

Answer to Question 9:

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

[illegible]

Answer to Question 10:

Correct Option: 2: 1 0 0 1 1 0 1 0 1 1 1 0 1 0 1 0

[illegible]