

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

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

Answer:

[illegible]

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

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

Answer:

[illegible]

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

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

Answer:

A	B	C	D	E	F
1	1	1	1	1	0
2	1	1	0	0	1
3	1	0	0	1	1
4	1	0	1	0	1
5	1	0	1	0	1
6	1	0	1	0	1
7	1	0	1	0	1
8	1	0	1	0	1
9	1	0	1	0	1
10	1	0	1	0	1
11	1	0	1	0	1
12	1	0	1	0	1
13	1	0	1	0	1
14	1	0	1	0	1
15	1	0	1	0	1
16	1	0	1	0	1
17	1	0	1	0	1
18	1	0	1	0	1
19	1	0	1	0	1
20	1	0	1	0	1
21	1	0	1	0	1
22	1	0	1	0	1
23	1	0	1	0	1
24	1	0	1	0	1
25	1	0	1	0	1
26	1	0	1	0	1
27	1	0	1	0	1
28	1	0	1	0	1
29	1	0	1	0	1
30	1	0	1	0	1
31	1	0	1	0	1
32	1	0	1	0	1
33	1	0	1	0	1
34	1	0	1	0	1
35	1	0	1	0	1
36	1	0	1	0	1
37	1	0	1	0	1
38	1	0	1	0	1
39	1	0	1	0	1
40	1	0	1	0	1
41	1	0	1	0	1
42	1	0	1	0	1
43	1	0	1	0	1
44	1	0	1	0	1
45	1	0	1	0	1
46	1	0	1	0	1
47	1	0	1	0	1
48	1	0	1	0	1
49	1	0	1	0	1
50	1	0	1	0	1
51	1	0	1	0	1
52	1	0	1	0	1
53	1	0	1	0	1
54	1	0	1	0	1
55	1	0	1	0	1
56	1	0	1	0	1
57	1	0	1	0	1
58	1	0	1	0	1
59	1	0	1	0	1
60	1	0	1	0	1
61	1	0	1	0	1
62	1	0	1	0	1
63	1	0	1	0	1
64	1	0	1	0	1
65	1	0	1	0	1
66	1	0	1	0	1
67	1	0	1	0	1
68	1	0	1	0	1
69	1	0	1	0	1
70	1	0	1	0	1
71	1	0	1	0	1
72	1	0	1	0	1
73	1	0	1	0	1
74	1	0	1	0	1
75	1	0	1	0	1
76	1	0	1	0	1
77	1	0	1	0	1
78	1	0	1	0	1
79	1	0	1	0	1
80	1	0	1	0	1
81	1	0	1	0	1
82	1	0	1	0	1
83	1	0	1	0	1
84	1	0	1	0	1
85	1	0	1	0	1
86	1	0	1	0	1
87	1	0	1	0	1
88	1	0	1	0	1
89	1	0	1	0	1
90	1	0	1	0	1
91	1	0	1	0	1
92	1	0	1	0	1
93	1	0	1	0	1
94	1	0	1	0	1
95	1	0	1	0	1
96	1	0	1	0	1
97	1	0	1	0	1
98	1	0	1	0	1
99	1	0	1	0	1
100	1	0	1	0	1

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

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

Answer:

[illegible]



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

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

Answer:

[illegible]