Part 1

1. 3 Input AND Gate

A	В	С	ОUТРUТ
O	0	0	0
0	0	1	0
0	1	0	0
O	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

			AND (A A B)	OR (AND v C)
0	0	0	0	0
0	0	1	0	1
0	1	0	0	0
0	1	1	0	1
1	0	0	0	0
1	0	1	0	1
1	1	0	1	1
1	1	1	1	1

2. Answer is 1, because $A^B^C^D = 1^0^1 = not 0 = 1$

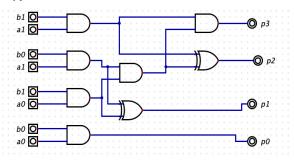
Part 2

1.



Part 4

1.



k-maps

