Aufgabe 2)

a)

 $(p \land q \land r) \Rightarrow c \equiv \neg(p \land q \land r) \lor c \equiv \neg p \lor \neg q \lor \neg r \lor c$

р	q	r	С	¬р	¬q	¬r	¬p ∨ ¬q ∨ ¬r ∨ c
0	0	0	0	1	1	1	1
0	0	0	1	1	1	1	1 1
0	0	1	0	1	1	0	1 1
0	0	1	1	1	1	0	1 1
0	1	0	0	1	0	1	1 1
0	1	0	1	1	0	1	1 1
0	1	1	0	1	0	0	1 1
0	1	1	1	1	0	0	1 1
1	0	0	0	0	1	1	1 1
1	0	0	1	0	1	1	1 1
1	0	1	0	0	1	0	1 1
1	0	1	1	0	1	0	1 1
1	1	0	0	0	0	1	1 1
1	1	0	1	0	0	1	1 1
1	1	1	0	0	0	0	0
1	1	1	1	0	0	0	1

b)

С	р	q	r	¬р	¬q	¬r	c v ¬p v ¬q v ¬r
0	0	0	0	1	1	1	1
0	0	0	1	1	1	0	1
0	0	1	0	1	0	1	1
0	0	1	1	1	0	0	1
0	1	0	0	0	1	1	1
0	1	0	1	0	1	0	1
0	1	1	0	0	0	1	1
0	1	1	1	0	0	0	0
1	0	0	0	1	1	1	1
1	0	0	1	1	1	0	1
1	0	1	0	1	0	1	1
1	0	1	1	1	0	0	1
1	1	0	0	0	1	1	1
1	1	0	1	0	1	0	1
1	1	1	0	0	0	1	1
1	1	1	1	0	0	0	1