

Solutions:

Exercise-1:

a.

AND	T	F	OR	T	F	NOT	
T	1	0	T	1	1	T	0
F	0	0	F	1	0	F	1

b.

- F T F F T F T T
- T T F T T F
- 0 1 1 0 1 1 0 0
- F F F F T F F T
- T F F F T F F T F F
- 0 1 0 0 0 0 1 0 1 0
- F T F T T F T T F T
- T F T T F T T T T T
- 0 0 1 1 1 1 1 0 1 1

c.

98 => 01100010

-65 => 10111111

29 => 00011101

36 => 00100101

-50 => 11001110

-2 => 11111110

99 => 01100011

-22 => 11101010