UNIVERSITY OF THESSALY

ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT

DIGITAL DESIGN

2nd Homework Set

1. Complete:

X + X =

X + XY =

X + X'Y =

X + 0 =

X + 1 =

XY + X' =

X + X'

2. Perform the operations:

α. 10000101+01101101

β. 11100111+00100010

γ. 10100101+10011101

δ. 11001111-01110001

ε. 00100111-10001001

στ. 00110101-11011101

ζ. 10010101-01011100