

# K-Map

annu100

11th Dec,2020

Expression USING POS  
 $A = (Z' + Y')W'(Z' + X')$

ZY \ XW				
	00	01	11	10
00	1	0	0	1
01	1	0	0	
11	0	0	0	0
10	1	0	0	0

Expression for B using POS  
 $B = (X' + W')Z'(X + W)$

ZY \ XW				
	00	01	11	10
00	0	1	0	1
01	0	1	0	1
11	0	0	0	0
10	0	0	0	0

Boolean Expression for C using POS  $C = (Z + Y + X)(Y' + X' + W')(X' + Y + W)Z'$

ZY \ XW				
	00	01	11	10
00	0	0	1	0
01	1	1	0	1
11	0	0	0	0
10	0	0	0	0

Expression For D using POS  $b = (Z+Y)(Y'+X)(X+W')(X'+W)(Z'+X')$

ZY \ XW				
	00	01	11	10
00	0	0	0	0
01	0	0	1	0
11	0	0	0	0
10	1	0	0	0