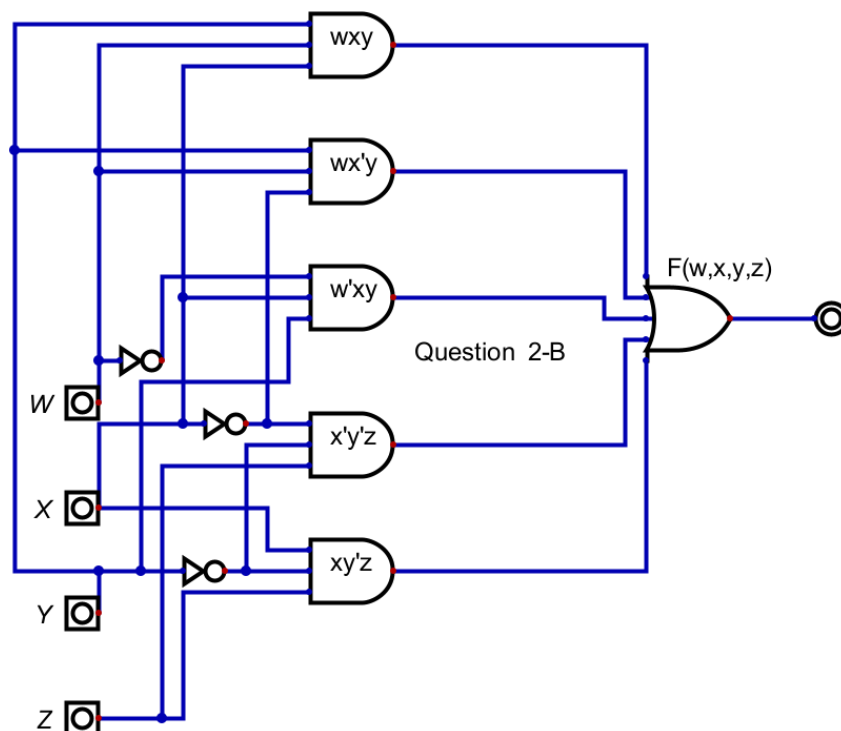
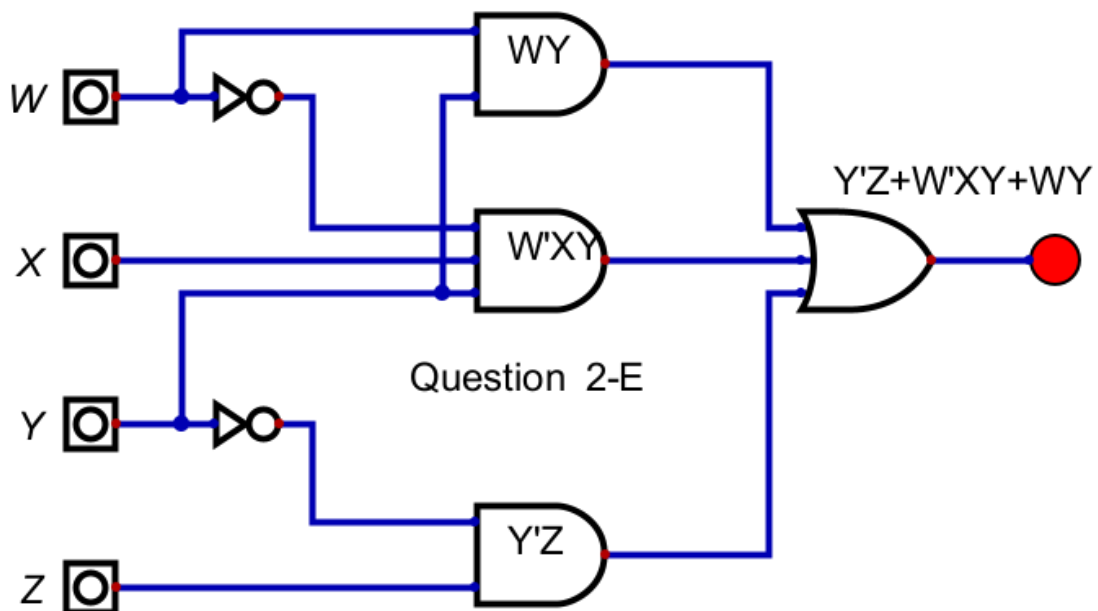


$xy'z + x'y'z + w'xy + wx'y + wxy$					
W	X	Y	Z	F(W,X,Y,Z)	
0	0	0	0	0	
0	0	0	1	1	$x'y'z$
0	0	1	0	0	
0	0	1	1	0	
0	1	0	0	0	
0	1	0	1	1	$xy'z$
0	1	1	0	1	$w'xy$
0	1	1	1	1	$w'xy$
1	0	0	0	0	
1	0	0	1	1	$x'y'z$
1	0	1	0	1	$wx'y$
1	0	1	1	1	$wx'y$
1	1	0	0	0	
1	1	0	1	1	$xy'z$
1	1	1	0	1	wxy
1	1	1	1	1	wxy



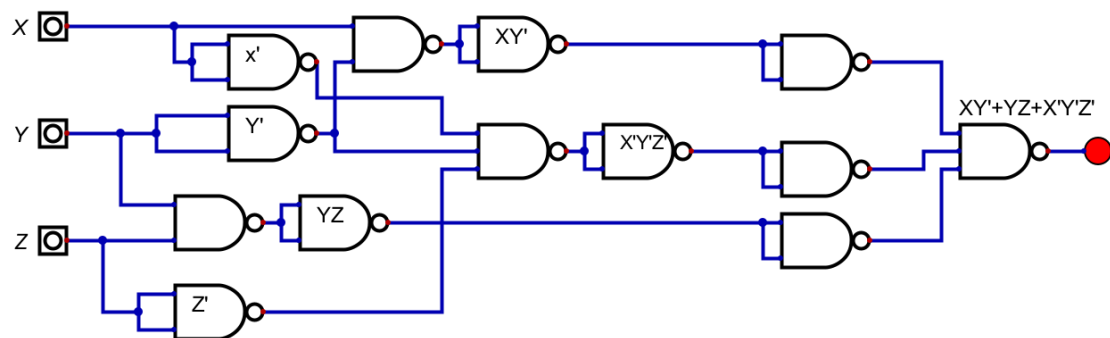
	WX			
YZ	00	01	11	10
00	0	0	0	0
01	1	1	1	1
11	0	1	1	1
10	0	1	1	1

$y'z + w'xy + wy$					
W	X	Y	Z	$F(W,X,Y,Z)$	
0	0	0	0	0	
0	0	0	1	1	$y'z$
0	0	1	0	0	
0	0	1	1	0	
0	1	0	0	0	
0	1	0	1	1	$y'z$
0	1	1	0	1	$w'xy$
0	1	1	1	1	$w'xy$
1	0	0	0	0	
1	0	0	1	1	$y'z$
1	0	1	0	1	wy
1	0	1	1	1	wy
1	1	0	0	0	
1	1	0	1	1	$y'z$
1	1	1	0	1	wy
1	1	1	1	1	wy



X'Z'+Y'Z'+YZ'+XY				
	XY			
Z	00	01	11	10
0	1	1	1	1
1	0	0	1	0
SOP: Z'+XY				
POS: (X+Z')(Y+Z')				
SOMin: 01+00+10+11 = (1,0,2,3)				
SOMax: 10+11+01+00 = (2,3,1,0)				
AC'+B'D'+A'CD+ABCD				
	AB			
CD	00	01	11	10
00	1	0	1	1
01	0	0	0	1
11	1	1	1	0
10	1	0	1	1
SOP: ACD'+BCD+AC'D'+AB'C'+A'B'C+B'C'D'				
POS: (A'+B+C'+D')(B'+C+D')(A+C+D')(A+B'+D)				
SOMin: 10+00+011+1111 = (2,0,3,15)				
SOMax: 01+11+100+0000 = (1,3,4,0)				

Question 4-A-i



Question 4-A-ii

