전자공학과 20202102Z5 안준영

정기현 교수님 논리회로 과제 4-3

	W	X	Y	Z	F
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	1
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	1
7	0	1	1	1	0
8	1	0	0	0	0
9	1	0	0	1	1
10	1	0	1	0	0
11	1	0	1	1	0
12	1	1	0	0	1
13	1	1	0	1	0
14	1	1	1	0	0
15	1	1	1	1	1

⇒ $\Sigma_{WXYZ}(3,6,9,12,15)$

3 : 0 0 1 1 — $W' \cdot X' \cdot Y \cdot Z$

6 : 0 1 1 0 — $W' \cdot X \cdot Y \cdot Z'$

9 : 1 0 0 1 — $W \cdot X' \cdot Y' \cdot Z$

12 : 1 1 0 0 — $W \cdot X \cdot Y' \cdot Z'$

15 : 1 1 1 1 — $W \cdot X \cdot Y \cdot Z$

YZ \ WX	00	01	11	10
00			1	
01				1
11	1		1	
10		1		

∴ 답안작성 : $W'X'YZ + W'X'Y'Z' + WX'Y'Z + WXY'Z' + WXYZ$