

9.1.7 $f(A, B, C, D) = \bar{A}\bar{B}\bar{C}\bar{D} + \bar{A}\bar{B}\bar{C}D + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}CD + \bar{A}B\bar{C}\bar{D} + \bar{A}B\bar{C}D + \bar{A}B\bar{C}\bar{D} + \bar{A}B\bar{C}D$

CD \ AB	00	01	11	10
00	1	0	0	1
01	1	1	1	1
11	1	0	0	1
10	1	0	0	1

9.1.7 $f(A, B, C, D) = \bar{B} + \bar{C}D$

9.2.7 $f(A, B, C, D) = \bar{A}\bar{B}\bar{C}\bar{D} + \bar{A}\bar{B}\bar{C}D + \bar{A}B\bar{C}\bar{D} + \bar{A}B\bar{C}D + \bar{A}B\bar{C}\bar{D} + \bar{A}B\bar{C}D + \bar{A}B\bar{C}\bar{D} + \bar{A}B\bar{C}D$

CD \ AB	00	01	11	10
00	1	1		
01	1	1	1	1
11	1	1		
10	1	1		

9.3. $S = ABC + ACD + \bar{A}B$

AB \ CD	00	01	11	10
00	0	1	3	2
01	4	5	7	6
11	12	13	15	14
10	8	9	11	10

9.4. $S = \bar{A}\bar{C}D + \bar{A}B\bar{C} + \bar{A}BC + B\bar{C}D$

AB \ CD	00	01	11	10
00	0	1	3	2
01	4	5	7	6
11	12	13	15	14
10	8	9	11	10

9.57 $y = \bar{D}\bar{C}\bar{B}\bar{A} + \bar{D}\bar{C}BA + \bar{D}C\bar{B}\bar{A} + \bar{D}CBA + D\bar{C}\bar{B}\bar{A} + D\bar{C}BA + DC\bar{B}\bar{A} + DCBA$

