

a\b	0	1
0	1	0
1	0	0

$$F = a'b'$$

a\b	0	1
0	0	1
1	0	0

$$F = a'b$$

a\b	0	1
0	0	0
1	1	0

$$F = ab'$$

a\b	0	1
0	0	0
1	0	1

$$F = ab$$

a\b	0	1
0	1	1
1	0	0

$$F = a'$$

a\b	0	1
0	1	0
1	1	0

$$F = b'$$

a\b	0	1
0	1	0
1	0	1

$$F = a'b' + ab$$

a\b	0	1
0	0	1
1	1	0

$$F = a'b + ab'$$

a\b	0	1
0	0	1
1	0	1

$$F = b$$

a\b	0	1
0	0	0
1	1	1

$$F = a$$

ab\cd	00	01	11	10
00	1	1		
01	1	1		
11				
10				

$$F=a'c'$$

ab\cd	00	01	11	10
00	1			1
01				
11				
10	1			1

$$F=b'd'$$

ab\cd	00	01	11	10
00	1	1	1	1
01				
11				
10				

$$F=a'b'$$

ab\cd	00	01	11	10
00	1	1	1	1
01	1	1	1	1
11				
10				

$$F=a'$$

ab\cd	00	01	11	10
00	1	1		
01	1	1	1	
11		1	1	
10				

$$F=a'c'+bd$$

ab\cd	00	01	11	10
00	1			
01	1			
11	1	1	1	1
10	1			

$$F=c'd'+ab$$

ab\cd	00	01	11	10
00	1	1	1	1
01				1
11				1
10				1

$$F = a'b' + cd'$$

ab\cd	00	01	11	10
00		1		
01		1		
11		1		
10	1	1	1	1

$$F = ab' + c'd$$

ab\cd	00	01	11	10
00				
01				
11	1	1	1	1
10	1	1	1	1

$$F = a$$

ab\cd	00	01	11	10
00				
01	1	1	1	1
11	1	1	1	1
10				

$$F = b$$

ab\cd	00	01	11	10
00				1
01				1
11				1
10	1	1	1	1

$$F = ab' + cd'$$

ab\cd	00	01	11	10
00				
01	1	1	1	1
11				
10	1	1	1	1

$$F = a'b + ab'$$

ab\cd	00	01	11	10
00		1	1	1
01		1	1	1
11				
10				

$$F = a'd + a'c$$

ab\cd	00	01	11	10
00	1			
01	1			
11	1			
10	1			

$$F = c'd'$$

ab\cd	00	01	11	10
00				
01				
11	1	1	1	1
10				

$$F = ab$$

ab\cd	00	01	11	10
00	1	1		
01	1	1		
11	1	1		
10	1	1		

$$F = c'$$

ab\cd	00	01	11	10
00		1		
01	1	1		
11	1	1		
10		1		

$$F = bc' + c'd$$

ab\cd	00	01	11	10
00			1	
01	1	1	1	1
11			1	
10			1	

$$F = ab + cd$$

ab\cd	00	01	11	10
00		1	1	
01		1	1	
11		1	1	
10		1	1	

F=d

ab\cd	00	01	11	10
00	1	1	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

F=1