

	VALUE	A	B	C	D	E	F	
	0	0	0	0	0	0	0	
	1	0	0	0	0	1	0	
	2	0	0	0	1	0	0	
	3	0	0	0	1	1	0	
	4	0	0	1	0	0	0	
	5	0	0	1	0	1	1	
	6	0	0	1	1	0	0	
	7	0	0	1	1	1	1	
	8	0	1	0	0	0	0	
	9	0	1	0	0	1	0	
	10	0	1	0	1	0	0	
	11	0	1	0	1	1	0	
	12	0	1	1	0	0	0	
	13	0	1	1	0	1	0	
	14	0	1	1	1	0	1	
	15	0	1	1	1	1	0	
	16	1	0	0	0	0	1	
	17	1	0	0	0	1	0	
	18	1	0	0	1	0	0	
	19	1	0	0	1	1	0	
	20	1	0	1	0	0	0	
	21	1	0	1	0	1	0	
	22	1	0	1	1	0	0	
	23	1	0	1	1	1	1	

	24	1	1	0	0	0	0
	25	1	1	0	0	1	1
	26	1	1	0	1	0	0
	27	1	1	0	1	1	0
	28	1	1	1	0	0	0
	29	1	1	1	0	1	0
	30	1	1	1	1	0	0
	31	1	1	1	1	1	0
		Sum of products (5,7,14,16,23,25)					
		$y = A'B'CD'E + A'B'CDE + A'BCDE' + AB'C'D'E' + AB'CDE + ABC'D'E$					
		00101	00111	01110	10000	10111	11001
	DE						
ABC		00	01	11	10		
	000						
	001		1	1			
	010						
	011				1		
	100	1					
	101			1			
	111						
	110		1				
	$y = A'B'CE + B'CDE + A'BCDE' + AB'C'D'E' + ABC'D'E$						