Truth Table									
A	В	C	D	Υ					
0	0	0	0	1		$\overline{C}\overline{D}$	$\overline{C}D$	CD	$C\overline{D}$
0	0	0	1	1	$\overline{A}\overline{B}$	$\frac{CD}{1}$	1		
0	0	1	0	0	<b> </b>				
0	0	1	1	0	AB	1	1		
0	1	0	0	1	AB	<u>1</u> 1	<u>1</u>		
0	1	0	1	1	$A\overline{B}$	Ι ]	1		
0	1	1	0	0	Sum – of – products K – map				
0	1	1	1	0					
1	0	0	0	1					
1	0	0	1	1	$\overline{C} + \overline{D}  \overline{C} + D  C + D  C + \overline{D}$				
1	0	1	0	0	<del>                                    </del>		T	$\frac{1}{1}$	$\frac{D}{D}$
1	0	1	1	0	$\frac{A+B}{A}$	1	1		
1	1	0	0	1	$\overline{A} + B$	1	1		
1	1	0	1	1	A + B	1	1 1		
1	1	1	0	0	$A + \overline{B}$	1	1		
1	1	1	1	0	Products – of – sums K – map				