

Assignment 5

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1 Boolean equation

$$f = AB'C'D' + A'BC'D' + ABC'D' + ABCD'$$

2 Kmap for 2.5,f

		<i>CD</i>			
		00	01	11	10
<i>AB</i>	00	0	0	0	0
	01	1	0	0	0
	11	1	0	0	1
	10	1	0	0	0

3 Simplified equation

$$f = ABD' + BC'D' + AC'D'$$