

University of Jordan
Computer engineering department
Digital Electronics
Quiz #3

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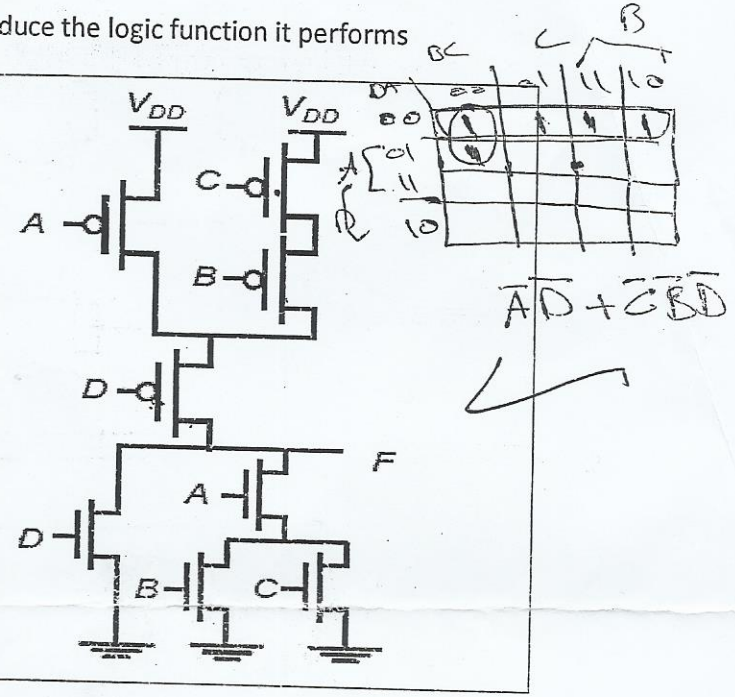
Name: 151911209111

number: 000729

Fill the truth table of the following circuit and deduce the logic function it performs

D	A	B	C	F
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

The function is



A	B	F
0	0	1
0	1	0
1	0	0
1	1	1
0	0	
0	1	
1	0	
1	1	

The function is: XNOR

