No:

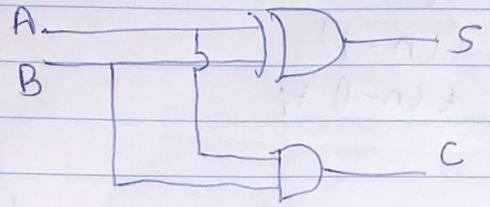
Computer architecture

①

A	B	S	C
0	0	0	0
0	1	1	0
1	0	1	0
1	1	0	1

② $S = A \oplus B$

$C = AB$

③ 

④

A	B	Cin	S	Cout
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1

⑤

	AB	AB'	A'B'	A'B
S	1	0	1	0
S'	0	1	0	1

$S = ABC + AB'C + AB'C' + A'BC'$

$= (AB + A'B')C + (AB' + A'B)C'$

$= (A \oplus B)'C + (A \oplus B)C'$

$= (A \oplus B) \oplus C$

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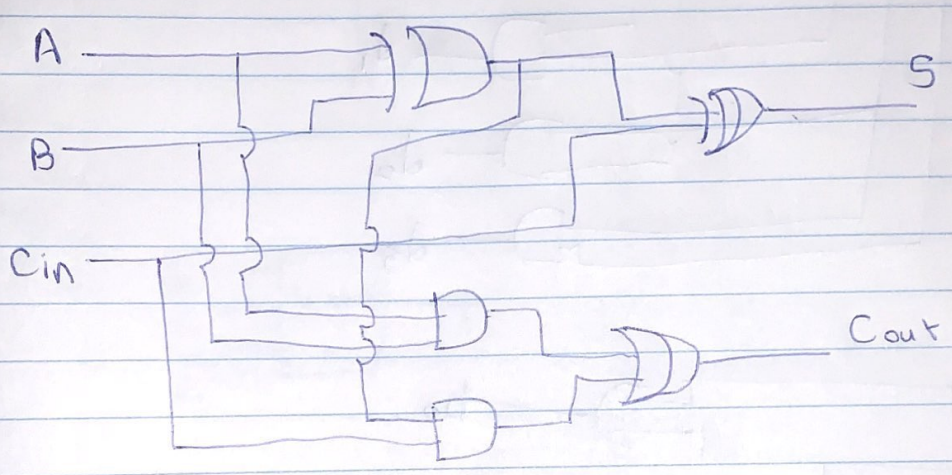
(5)

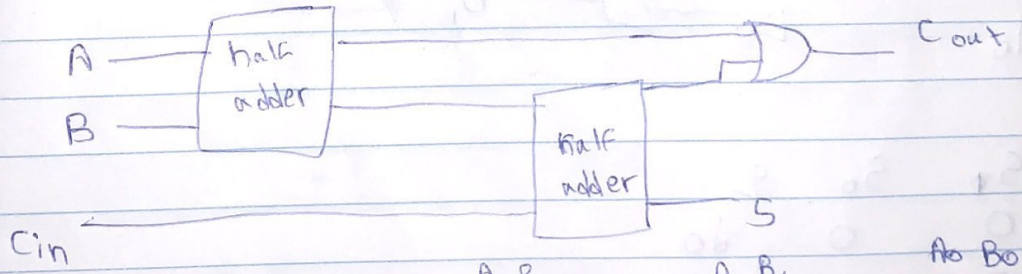
	AB	AB'	A'B'	A'B
C	1	1	0	1
C'	1	0	0	0

$C = AC + \cancel{AB} + BC + AB$

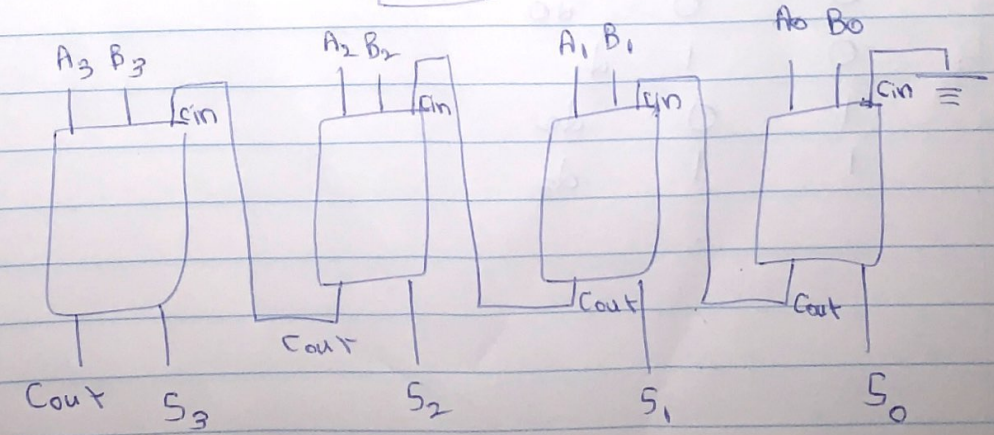
$C = AB + (A \oplus B) C_{in}$?



(6)



(7)



Atlas

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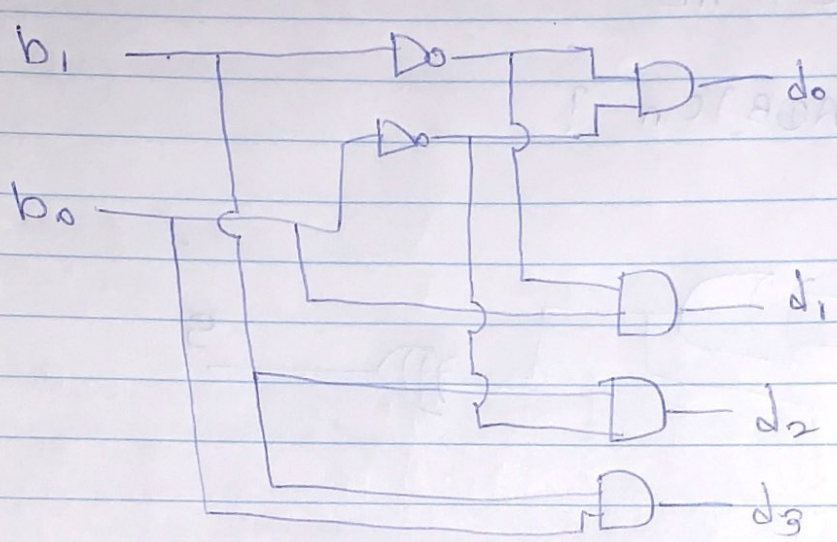
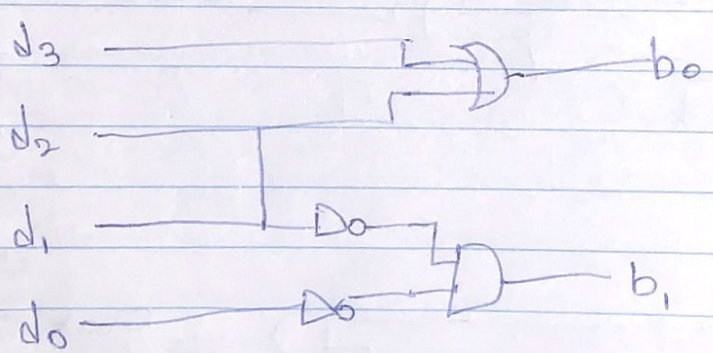
(8)

b_1	b_0	d_3	d_2	d_1	d_0
0	0	0	0	0	1
0	1	0	0	1	0
1	0	0	1	0	0
1	1	1	0	0	0

(9)



(10)



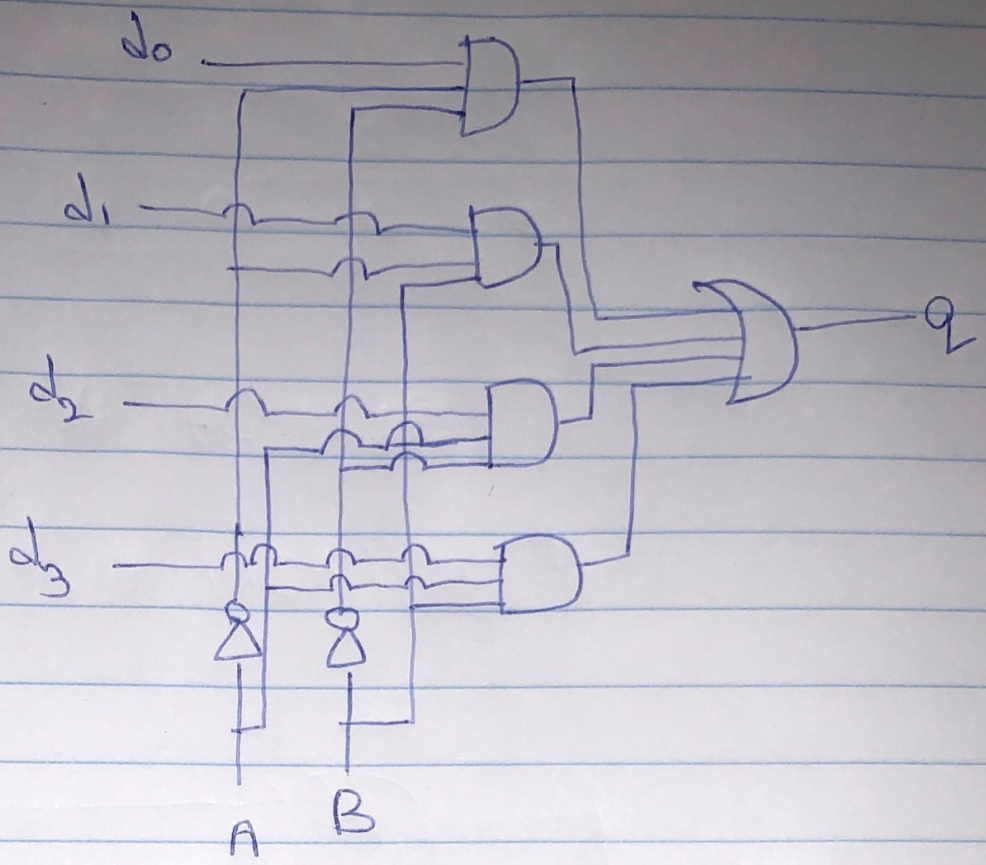
(11)

S_1	S_0	Q
0	0	d_0
0	1	d_1
1	0	d_2
1	1	d_3

No :

Date:

(12)



(13)