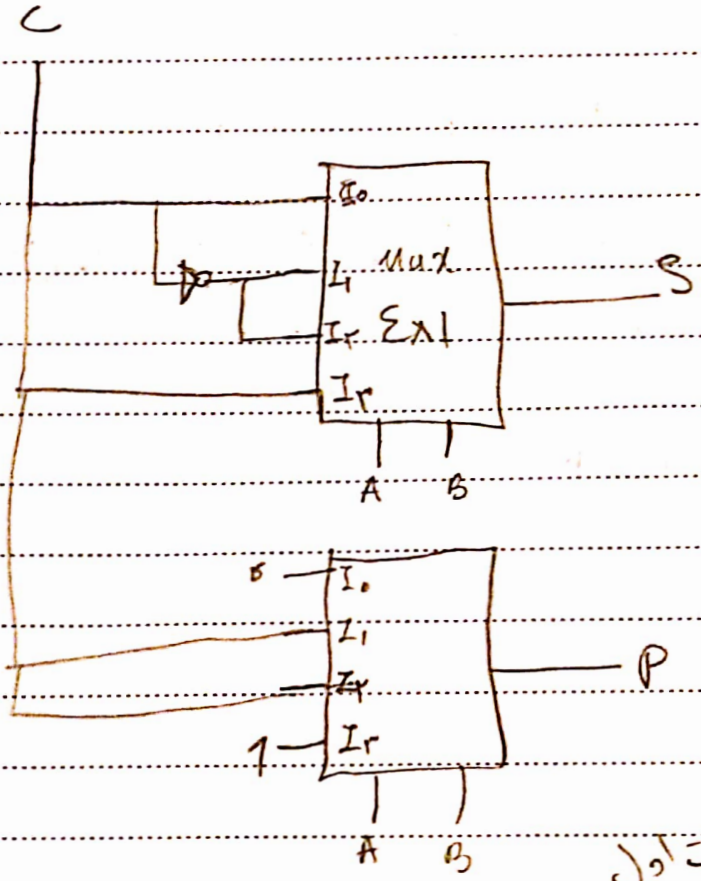
سوال ۲۵ الف)



A	B	C	S	P
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

مجموع بیت اول

ATENA

(→

	00	01	11	10
0	0	1	0	1
1	1	0	1	0

C_{in}	a	b	Cout	Sum
0	0	0	0	0
0	0	1	0	1
0	1	0	0	1
0	1	1	1	0
1	0	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	1

$Sum = C_{in}'\bar{a}b + C_{in}'a\bar{b} + C_{in}\bar{a}\bar{b} + C_{in}ab$

	00	01	11	10
0	0	0	1	0
1	0	1	1	1

→ $Cout = ab + C_{in}\bar{a}b + C_{in}a\bar{b}$

Cout =

Fri.	Thu.	Wed.	Tue.	Mon.	Sun.	Sat.

enable	C_{in}	a	b	m_v	~	m_1
0	0	0	0			
0	0	0	1			
0	0	1	0			
0	0	1	1			
0	1	0	0			
0	1	0	1			
0	1	1	0			
0	1	1	1	00000000		
1	0	0	0	00000001		
1	0	0	1	00000010		
1	0	1	0	00000100		
1	0	1	1	00001000		
1	1	0	0	00010000		
1	1	0	1	00100000		
1	1	1	0	01000000		
1	1	1	1	10000000		

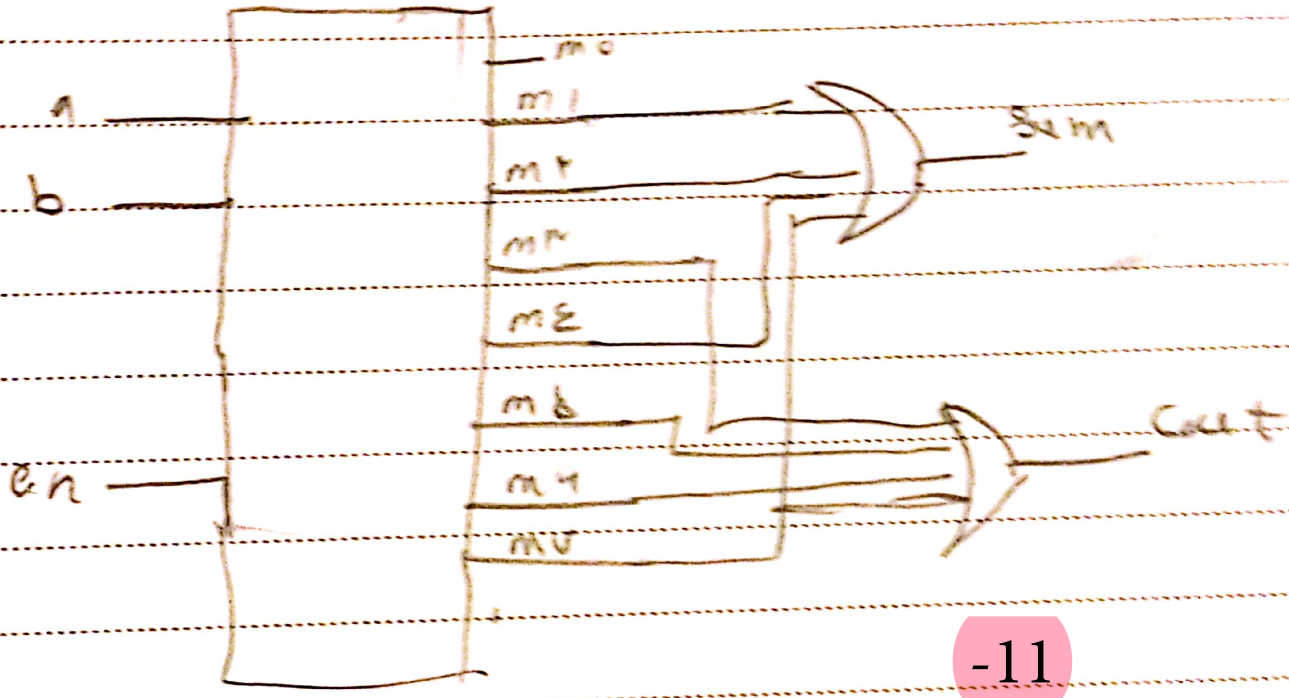
کلا صفر می‌شود
(بخاطر enable)

-7

$Sum = m_1 + m_2 + m_4 + m_V$

$C_{out} = m_3 + m_5 + m_6 + m_V$

Fri. Thu. Wed. Tue. Mon. Sun. Sat.



-11