

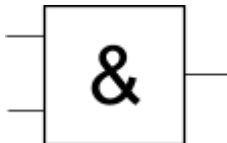
Digitalteknik MEKMEK01 EE21


Max: 27p | E/C/A = 13/18/23

1. Skriv ditt namn (1p) _____
2. Fyll i de tal som fattas i tabellen (6p)

Binära tal	Decimala tal	Hexadecimala tal
110110		
	65	
		1F

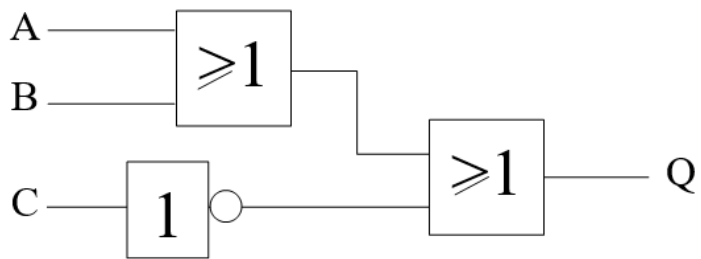
3. Fyll i det som saknas i tabellerna nedan (8p)

Namn																
Symbol																
Sanningstabell	<table><tr><th>a</th><th>b</th><th>y</th></tr><tr><td>0</td><td>0</td><td></td></tr><tr><td>0</td><td>1</td><td></td></tr><tr><td>1</td><td>0</td><td></td></tr><tr><td>1</td><td>1</td><td></td></tr></table>	a	b	y	0	0		0	1		1	0		1	1	
a	b	y														
0	0															
0	1															
1	0															
1	1															

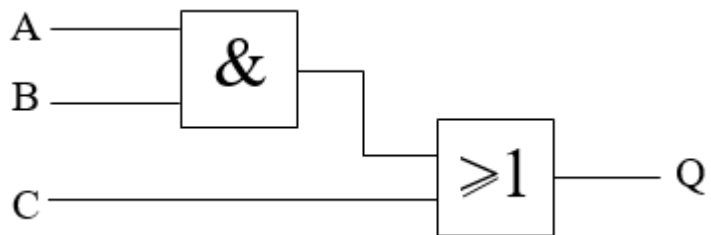
Namn	NOT						
Symbol							
Sanningstabell	<table><tr><th>a</th><th>y</th></tr><tr><td>0</td><td></td></tr><tr><td>1</td><td></td></tr></table>	a	y	0		1	
a	y						
0							
1							

4. Skriv nätens booleska uttryck (4p)

a)



b)



5. Rita grindnät för booleska uttrycken (6p)

a. $Y=A+BC$

b. $Y=(AB+CD)'$

c. $Y=(A+B+C)'$