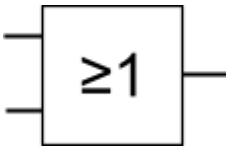
Digitalteknik MEKMEK01 EE21

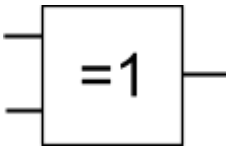
1. Skriv ditt namn **(1p)** _____

2. Fyll i de tal som fattas i tabellen **(6p)**

Binära tal	**Decimala tal**	**Hexadecimala tal**
10111	*23*	*17*
110100	65	*34*
11100	*28*	1C

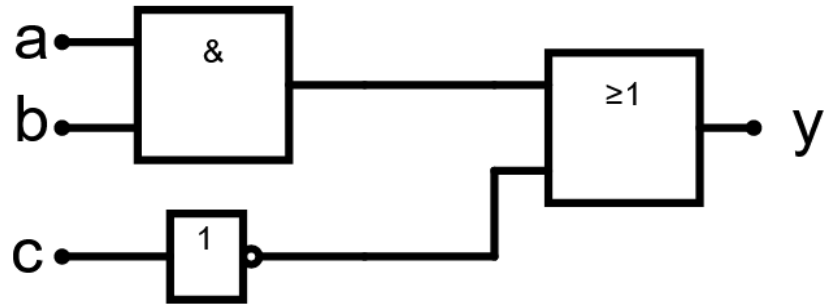
3. Fyll i det som saknas i tabellerna nedan

Namn **(1p)**	*OR*
Symbol	
Sanningstabell **(4p)**	**a** **b** **y** 0 0 0 0 1 1 1 0 1 1 1 1

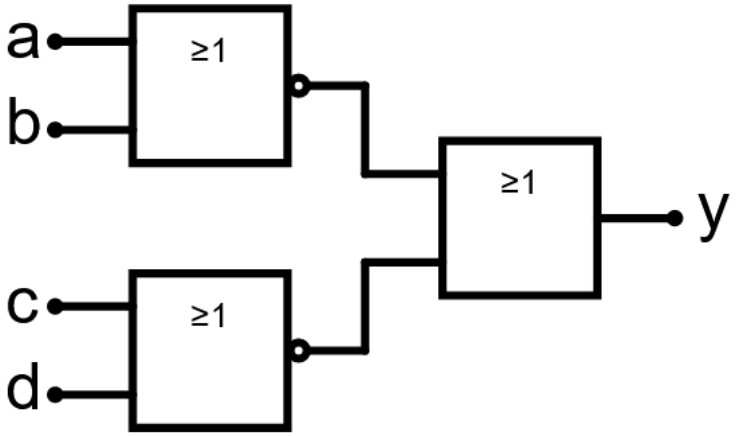
Namn	XOR
Symbol **(1p)**	
Sanningstabell **(4p)**	**a** **b** **y** 0 0 0 0 1 1 1 0 1 1 1 0

4. Skriv nätens booleska uttryck **(4p)**

a) *y = ab + c'*



b) *y = (a+b)'+(c+d)'*



5. Rita grindnät för booleska uttrycken **(6p)**
   a. $Y=A+BC$

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

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