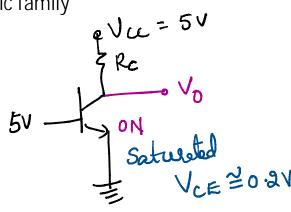
RTL Logic family





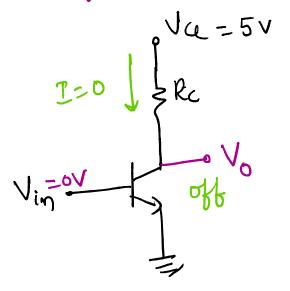
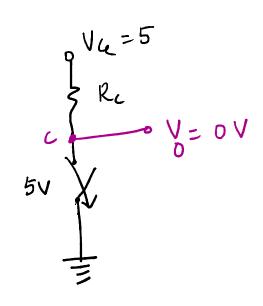
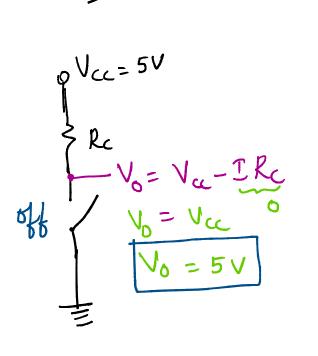
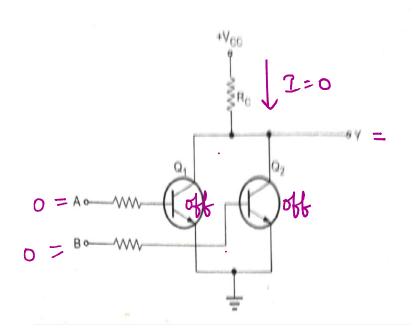
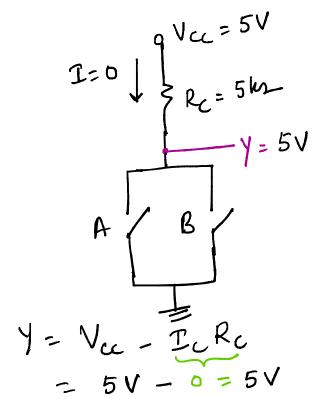


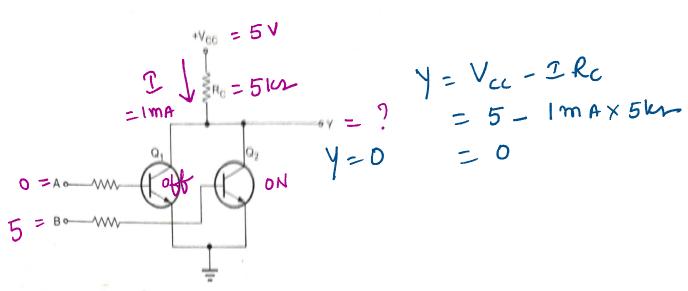
Fig: off transstol







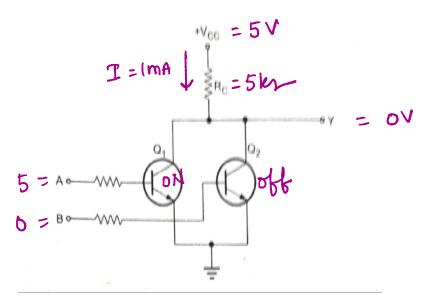


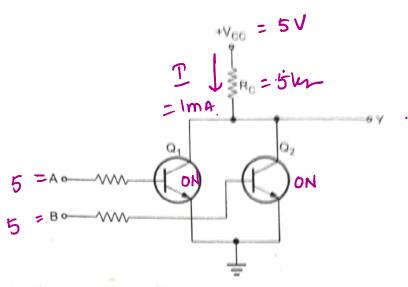


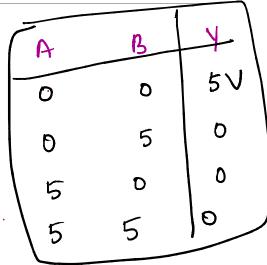
$$Y = V_{CC} - IRC$$

$$= 5 - Im A \times 5kn$$

$$= 0$$







Α	В	Y	
0	0 .	1	
0	ì	0	
1	0	0	
1	1	0	

Parameter	Value	,	h.	\wedge
Propagative Delay	12 nsec	_ mir	Pd ->	Speed
Power Dissipation	30-100 mW	1 less	Pain;	
Noise Margin	0.2 volts	- High		
* Fan-out	4	→ 0		

Table 7.3 Specifications for RTL gate

7.3.4 Wire-AND Connection

The RTL has a capacity called **wire - AND**. Since the output is effectively a transistor, two outputs can be wired together. This is illustrated in Fig. 7.6.

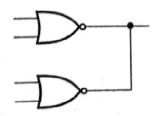


Fig. 7.6 Wired AND RTL NOR gates