



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE NAME : 19EC306 – Digital Circuits

II YEAR / III SEMESTER

Unit II- COMBINATIONAL CIRCUITS

Topic : Magnitude Comparator

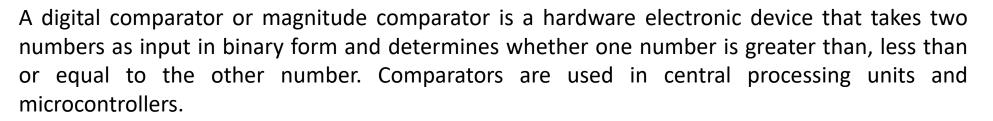


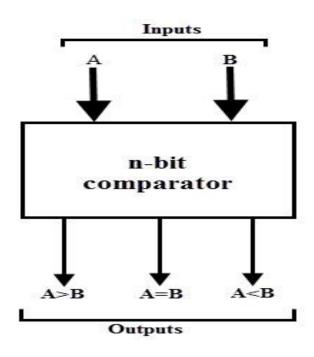
Magnitude Comparator / 19EC306/ Digital circuits/Mr.S.HARIBABU/ECE/SNSCE





Magnitude Comparator

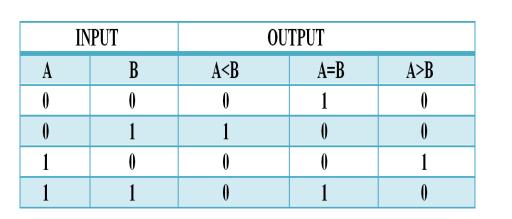






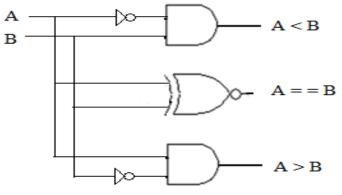


1 Bit Magnitude Comparator





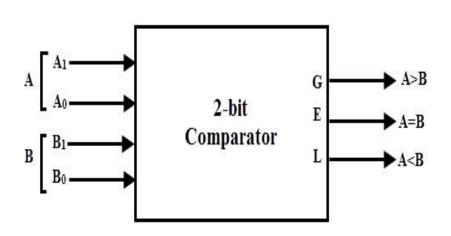
Logical diagram



1-bit magnitude comparator



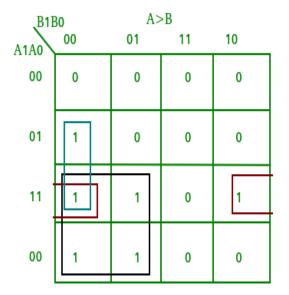


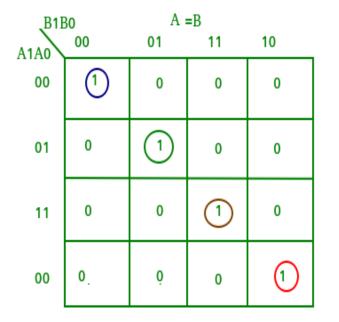


INPUT				OUTPUT		
A1	A0	B1	BO	A <b< th=""><th>A=B</th><th>A>B</th></b<>	A=B	A>B
0	0	0	0	0	1	0
0	0	0	1	1	0	0
0	0	1	0	1	0	0
0	0	1	1	1	0	0
0	1	0	0	0	0	1
0	1	0	1	0	1	0
0	1	1	0	1	0	0
0	1	1	1	1	0	0
1	0	0	0	0	0	1
1	0	0	1	0	0	1
1	0	1	0	0	1	0
1	0	1	1	1	0	0
1	1	0	0	0	0	1
1	1	0	1	0	0	1
1	1	1	0	0	0	1
1	1	1	1	0	1	0





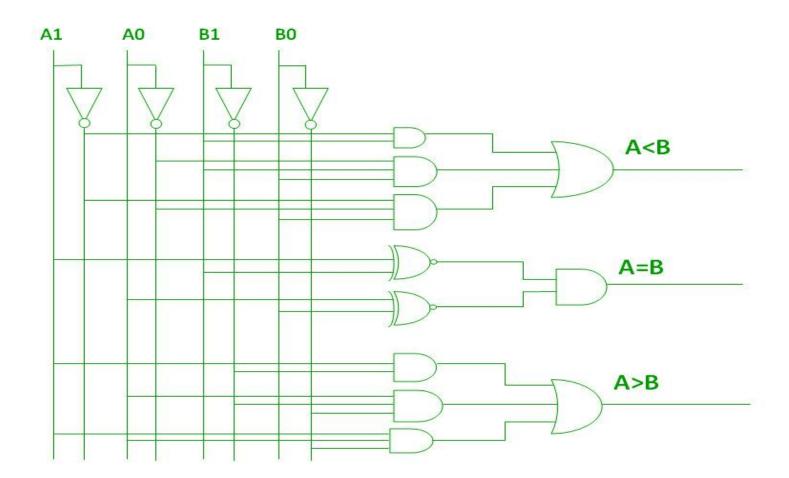




09-11-2023















Thank you.....

09-11-2023

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