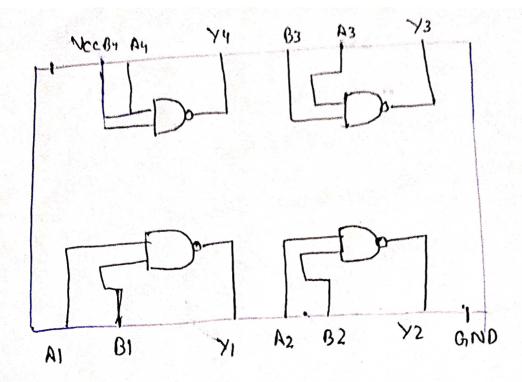
Name - Shubham Sharma Course - MCA Section - B Roll-No - OR

DI Discurs the wasking of NAND gate.

Sol - A NAND gate is a logic gate that produces a low output (0) only if all its inputs are bouse and high outputs (1). The NAND gate performs the logoical NAND operation. NAND gates are known as universal gates (along with NOR gates) which means they are a type of logic gate which can implement any Boolean functions without the need to use any other gate type.



TRUTH TABLE

Input			Output
0	0	0	1
0	0	Ì	
0		0	l
O			
ĺ	0	0	
1	0	I	
		10	0

This is a two-input NAND gods IC has 14 pins The IC consists of 4 independent gotus who each gate perform regard AND logic gates fundanaly. The gates work on advanced silicon got cmos huchrology to gain high higher, functional speeds whilizing minimal power and every gates has buffered o'estputs. The inputs of owny gate in the IC are Safiguarded from damege because of Static discharge by internally present diode clamps to the power supply and ground.