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Working of NAND GATE A NAND gate ("not AND gate) is a logic gale that produces a low output (0) only if all its inputs are true, and high output (1) otherwise. Flence the NAND gate is the inverse of an AND gate, and its circuit is produced by connecting on an AND gate to a NOT gate: Just like an AND gate, a NAND gate may have any number of input probes but only one output probe. The NAND gate performs the logical MAND operation. NAND gates are known as Universeffate Calong with NOR gates), which can implement any Boolean function without the need to use any other gate type.

The basic logical construction of the NAND gate is shown below (you can see it is an AND gate followed by NOT gate) A.B -AND GATE NOT The Symbol of a NAND gate is similar to the AND gate, but a bubble is drawn at the output point of the AND gate. SYMBOL DIAGRAM OF NAND GATE

