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Question: Discuss the wooking of NAND gate with the help of circuit diagram and truth — table.

Aus The NAND gate is a special type of logic gate in the digital logic circuit. The NAND gate is the universal gate the universal gate of means all the banc gates such as ANDIOR, and NOT gate can be constructed using a NAND gate.

The NAND gate is the combination of the NOT-AND gate.

The logic or Boolean expression for the NAND gate is the complement of logical multiplication of inputs denoted by a full stop or a single side of as.

(A.B)' = y

The value of y will be true when any one of the what is set too. Types of Digital Logic AND hate The 2-input NAND gate This is the simple formation of NAND gate. In this Jupes of NAND gate, there are only two input Values and an output value. There are 2=4 possible combinations of inputs. The truth table and logic design are given below. y=A.B 2 - input AND" gate plus a not gete 1.8004 Truthable output (4) a owner