

Ans-1

Maxterm and Minterms

A maxterm is a sum (OR) of all the variables in the function, in direct or complemented form.

A maxterm has the property that it is equal to 0 on exactly one row of the truth table.

In minterms we can indicate that.

A minterm has the property that it is equal to 1 on exactly one row of the truth table.

Maxterm (standard³ sum term) A sum (OR) of n Boolean variables, uncomplemented or complemented but not repeated, in a Boolean function of n variables. With n variables, 2^n different maxterms are possible.

The complement of any maxterm is a minterm. See also

standard product of sums.
Maxterms for a boolean function of n variables, a sum term in which each of the n

Variables appears once (either in its complemented or uncomplemented form) is called a max-term.

Thus, a max-term is a logical expression of n variables that employs only the complement operator and the disjunction operator.

As nouns that difference between max-term and min-terms is that max-term is (algebra) a sum that is a logical or of a set of variables while min-term is in boolean algebra, a product term in which each variable appears once (in either its complemented or uncomplemented form).