

SECTION - 7.1

Maxterm: for a boolean function of n variable, a sum term in which each of the n variable appears once (either in its complemented or uncomplemented form) is called a maxterm. Thus a maxterm is a logical expression of n variables that employs only the complement operators and the disjunction operators.

Minterm: A minterm is a Boolean expression resulting in 1 for the output of single cell, and 0s for all other cell in K map or all other cells or truth table. If a minterm has single and the remaining cells as 0s it would appear to cover a minimum area of 1s.

The illustration above left shows the ABC, a single product term, as a single 1 in a map that is otherwise

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wise. Also we have not show the
~~mix~~ term in our K makes us to this
point as it is customary to omit
them unless specifically needed
another mixture ABC is shown
above weight.