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|---|---|---|--|---|---|---|--|---|---|--|---|---|---|
| 1 | 0 | 1 | | 1 | 1 | 1 | | 1 | 0 | | 1 | 1 | 0 |
|---|---|---|--|---|---|---|--|---|---|--|---|---|---|

Definition (6.1): The logical function f is called the **output function** defined $f: B^n \rightarrow B$, where B^n is a set of n input binary data, f subject to the Boolean algebra laws and we can apply the gates concepts on it, s.t. $x=f \cdot g$, $y=f+g$, $z=f\bar{g}$, and $w=f \oplus g$, where f and g are Boolean functions.

Mathematical Basic Concepts