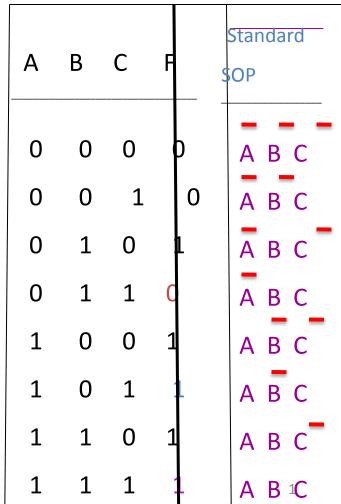
The Sum-of-products (SOP)

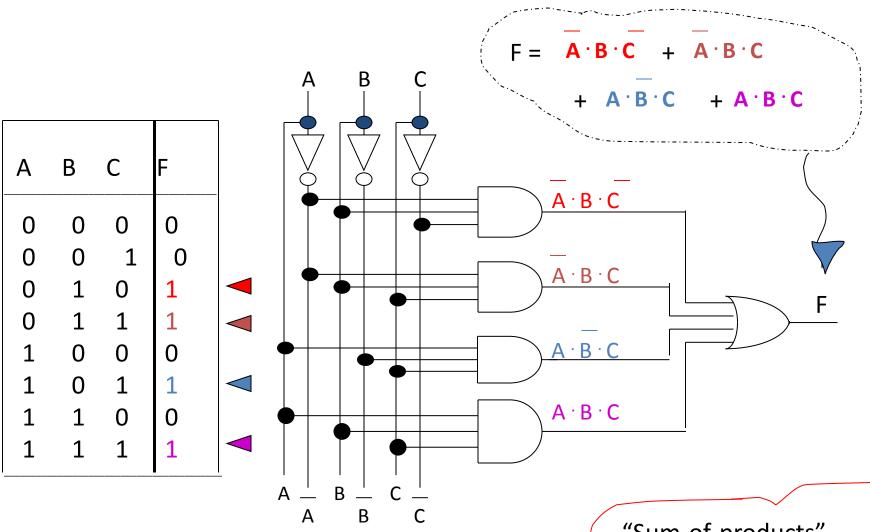
- When two or more multiple terms are sum, the resulting expression is a sum of product(SOP).
- For example :

•
$$F = A + B C$$

 It can be obtained from the truth table directly by considering those input combinations that produce a logic '1' at the output



The Sum-of-products (SOP)



"Sum-of-products" form of the logic circuit.

Simplifying logic functions using Boolean algebra rules

