products -of- Sum (POS)

When two or more sum terms are multiple, the resulting expression is a product of sum (POS).

For example:
$$F = (A + B + C) \cdot (A + B + C)$$

It can be obtained from the truth table by considering those input combinations that produce a logic '0' at the output

For example:

$$F = (A + B +)$$

Α	В	С	Standard POS	F
0	0	0	A+ B+C	0
0	0	1	A+ B+C	0
0	1	1	A + B + C	1
0	1	0	A+ B+C	0
1	0	0	A+ B+C	1
1	0	1	<u>A</u> + <u>B</u> + C	1
1	1	0	△+ B_+ C	1
1	1	1	A . D . C	1

For example:

$$F = (A B C) (A B C) (A B C)$$

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$$F = (A + B + C) (A + B + C) (A + B + C)$$

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$$F = (A + B + C) (A + B + C) (A + B + C)$$

