

<i>A</i>	<i>B</i>	<i>S</i>	<i>C</i>
0	0	0	0
0	1	1	0
1	0	1	0
1	1	0	1

sum-of-products

$$S = (\bar{A} \cdot B) + (A \cdot \bar{B})$$

$$C = (A \cdot B)$$

product-of-sums

$$S = (A + B) \cdot (\bar{A} + \bar{B})$$

$$C = (A + B) \cdot (A + \bar{B}) \cdot (\bar{A} + B)$$

