

①

	$\bar{D}$	$D$		$\bar{A}$
$\bar{B}$	0	0	0	0
$B$	0	1	1	1
	$\bar{E}$	$E$	$\bar{E}$	$E$

	$\bar{D}$	$D$		$\bar{A}$
$\bar{B}$	1	1	1	0
$B$	1	1	0	0
	$\bar{E}$	$E$	$\bar{E}$	$E$

$$S = \bar{A}BCE + \bar{A}BCD + ABCE + \cancel{ABCD} + \dots + \bar{A}\bar{C}\bar{D}$$

$$BCE + ABD$$

②

	$\bar{D}$	$D$		$\bar{A}$
$\bar{B}$	1	1	1	1
$B$	1	1	0	1
	$\bar{E}$	$E$	$\bar{E}$	$E$

	$\bar{D}$	$D$		$\bar{A}$
$\bar{B}$	1	0	0	1
$B$	1	0	0	1
	$\bar{E}$	$E$	$\bar{E}$	$E$

$$\bar{A}\bar{C}DE + \bar{A}BCD + \bar{A}BC + A\bar{C}\bar{E} + \dots$$

$$BCE + ADE$$

4 variáveis:

④

	$\bar{C}$	$C$		$\bar{B}$
$\bar{A}$	1	1	1	1
$A$	1	0	0	1
	$\bar{D}$	$D$	$\bar{D}$	$D$

$$S = \bar{A}BC\bar{D} + A\bar{C}\bar{D} + \bar{B}\bar{C} + BD$$

4 variáveis:

③

	$\bar{C}$	$C$		$\bar{B}$
$\bar{A}$	0	0	1	1
$A$	0	1	1	1
	$\bar{D}$	$D$	$\bar{D}$	$D$

$$S = \bar{A}BD + A\bar{B}D + \bar{A}C + CD$$

3 variáveis:

⑤

	$\bar{B}$	$B$		$\bar{C}$
$\bar{A}$	0	1	0	1
$A$	1	0	1	0
	$\bar{C}$	$C$	$\bar{C}$	$C$

$$S = \bar{A}\bar{B}\bar{C} + \bar{A}BC + ABC + A\bar{B}C$$