

$$\text{Formula} = (a \vee \sim b \vee c) \wedge (\sim a \vee \sim b \vee c) \wedge (\sim a \vee \sim b \vee \sim c) \wedge (a \vee b \vee \sim c)$$

$$t_1 = (a \vee \sim b \vee c)$$

$$t_2 = (\sim a \vee \sim b \vee c)$$

$$t_3 = (\sim a \vee \sim b \vee \sim c)$$

$$t_4 = (a \vee b \vee \sim c)$$

$$F = t_1 \wedge t_2 \wedge t_3 \wedge t_4$$

	a	b	c	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
a	1	0	0	1	0	0	1
~a	1	0	0	0	1	1	0
b	0	1	0	0	0	0	1
~b	0	1	0	1	1	1	0
c	0	0	1	1	1	0	0
~c	0	0	1	0	0	1	1
a+~b+c	1	1	1	3	2	1	1

	a	b	c	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
a	1	0	0	1	0	0	1
~a	1	0	0	0	1	1	0
b	0	1	0	0	0	0	1
~b	0	1	0	1	1	1	0
c	0	0	1	1	1	0	0
~c	0	0	1	0	0	1	1
~a+b+c	1	1	1	1	2	1	1

	a	b	c	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
a	1	0	0	1	0	0	1
~a	1	0	0	0	1	1	0
b	0	1	0	0	0	0	1
~b	0	1	0	1	1	1	0
c	0	0	1	1	1	0	0
~c	0	0	1	0	0	1	1
a+b+c	1	1	1	2	1	0	2

	a	b	c	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
a	1	0	0	1	0	0	1
~a	1	0	0	0	1	1	0
b	0	1	0	0	0	0	1
~b	0	1	0	1	1	1	0
c	0	0	1	1	1	0	0
~c	0	0	1	0	0	1	1
	0	0	0	1	0	0	0
	0	0	0	1	0	0	0
	0	0	0	0	1	0	0
	0	0	0	0	1	0	0
	0	0	0	0	0	1	0
	0	0	0	0	0	1	0
	0	0	0	0	0	0	1
	0	0	0	0	0	0	1
desired	1	1	1	3	3	3	3

	a	b	c	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
a	1	0	0	1	0	0	1
~a	1	0	0	0	1	1	0
b	0	1	0	0	0	0	1
~b	0	1	0	1	1	1	0
c	0	0	1	1	1	0	0
~c	0	0	1	0	0	1	1
	0	0	0	1	0	0	0
	0	0	0	1	0	0	0
	0	0	0	0	1	0	0
	0	0	0	0	1	0	0
	0	0	0	0	0	1	0
	0	0	0	0	0	0	1
	0	0	0	0	0	0	1
desired	1	1	1	3	3	3	3

	a	b	c	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
a	1	0	0	1	0	0	1
~a	1	0	0	0	1	1	0
b	0	1	0	0	0	0	1
~b	0	1	0	1	1	1	0
c	0	0	1	1	1	0	0
~c	0	0	1	0	0	1	1
	0	0	0	1	0	0	0
	0	0	0	1	0	0	0
	0	0	0	0	1	0	0
	0	0	0	0	1	0	0
	0	0	0	0	0	1	0
	0	0	0	0	0	1	0
	0	0	0	0	0	0	1
	0	0	0	0	0	0	1
desired	1	1	1	3	3	3	3
	desired sum can't be made						