

A more complicated example

$$(y_1 + y_2 + \bar{y}_3)(\bar{y}_1 + \bar{y}_2 + y_3)(y_1 + \bar{y}_2 + y_3)(\bar{y}_1 + y_2 + \bar{y}_3)$$

0	0	1	1	1	0	0	1	0	1	0	1	
0	0	0	1	1	1	0	1	1	1	0	0	
0	1	1	1	0	0	0	0	0	1	1	1	
0	1	0	1	0	1	0	0	1	1	1	0	
1	0	1	0	1	0	1	1	0	0	0	1	
1	0	0	0	1	1	1	1	1	0	0	0	
1	1	1	0	0	0	1	0	0	0	1	1	
*	1	1	0	0	0	1	1	0	1	0	1	0

	11	12	13	21	22	23	31	32	33	41	42	43
11	0	0	0	0	1	1	1	1	1	0	1	1
12	0	0	0	1	0	1	1	0	1	1	1	1
13	0	0	0	1	1	0	1	1	0	1	1	1
21				0	0	0	0	1	1	1	1	1
22				0	0	0	1	1	1	1	0	1
23				0	0	0	1	1	1	1	1	0
31							0	0	0	0	1	1
32							0	0	0	1	0	1
33							0	0	0	1	1	1
41										0	0	0
42										0	0	0
43										0	0	0

Clique 11 22 31 43  
 $S_1 = \{y_1\}$   $S_2 = \{\bar{y}_2, \bar{y}_3\}$

$y_1 = 1$   $y_2 = y_3 = 1$

We get the \* line