

What's an example that doesn't work?

$(y_1 + y_2)$   $(\bar{y}_1 + y_2)$   $(\bar{y}_1 + \bar{y}_2)$   $(y_1 + \bar{y}_2)$   
 1 0 0 0 0 1 1 1  
 1 1 0 1 0 0 1 0  
 0 0 1 0 1 1 0 1  
 0 1 1 1 1 0 0 0

NOT SAT

	11	12	21	22	31	32	41	42
11	0	0	0	1	0	1	1	1
12	0	0	1	1	1	0	1	0
21	0	1	0	0	1	1	0	1
22	1	1	0	0	1	0	0	0
31	0	1	1	1	0	0	0	1
32	1	0	1	0	0	0	1	1
41	1	1	0	1	0	1	0	0
42	1	0	1	0	1	1	0	0

We will need one from each block, i.e. for each first coord, to get a clique, since we have 00 inside each block.

e.g. cant do 11 & 12 & two others, ...

If 11 then must have 22, 32  
but 22 — 31 & not 32

If 12 ... .. 31, 41  
but 31 — 42 & not 41