K-Malps with Dan't Care Condition

- > The Don't Care Conditions are used to sublace the empty cell to form a possible of roubing of variables.
- -> they can either 'o' or i', based on adjecent cells of the group.
- > Doit Care Cells can be represented as X or X

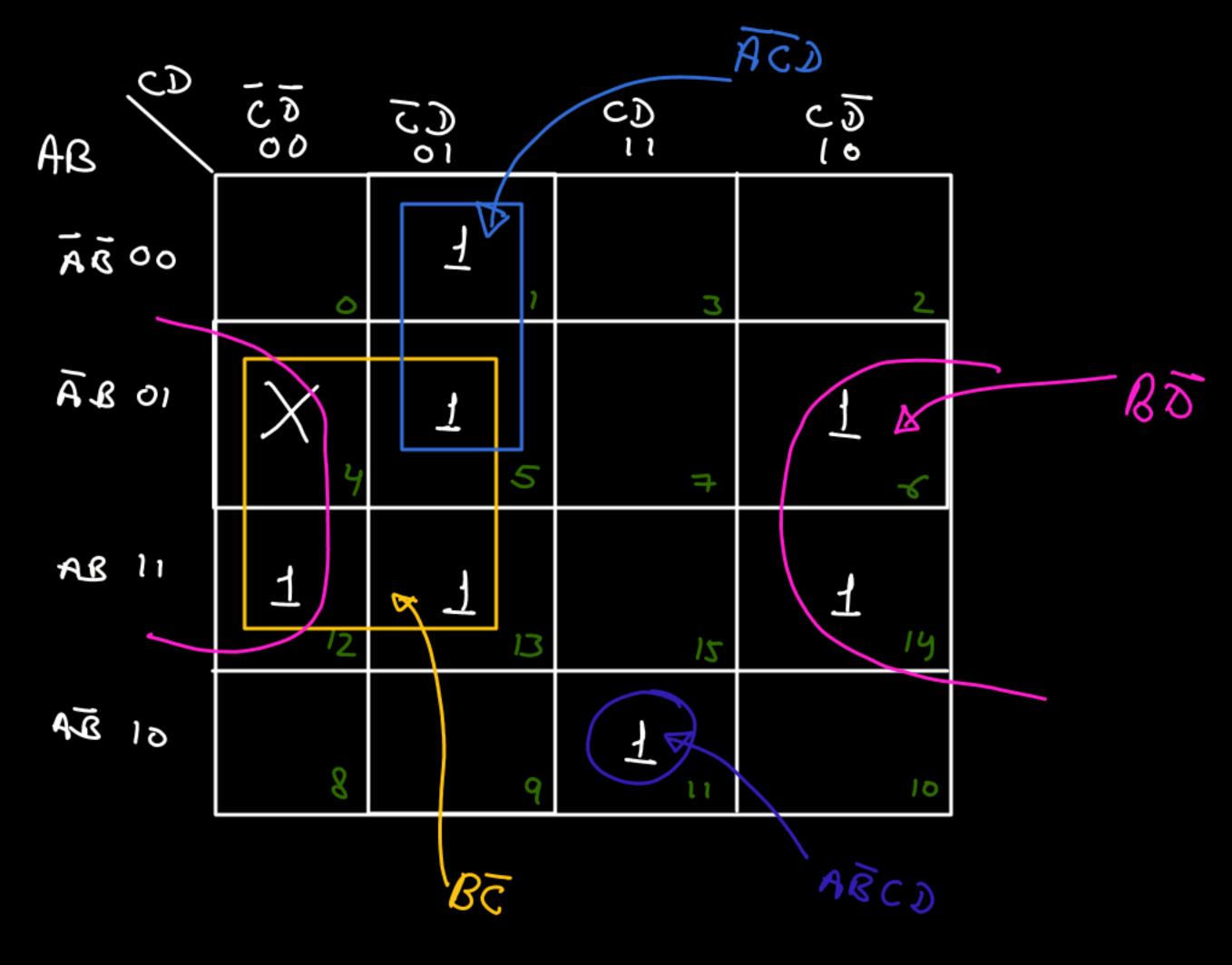
$$\mathcal{E}_{A,B,C,D} = \sum_{m} (0,1,2,4,6,8,10) + d(5,7,14)$$
essential

essential

$$\frac{1}{4} = \frac{1}{4} \left(A, B, C, D \right) = \sum_{i=1}^{n} m \left(0, 1, 2, 4, 6, 8, 10 \right) + d \left(5, 7, 14 \right)$$
The objection of the property of the pro

* Hib-3 Minimal grouping
With Don't Cor Condition

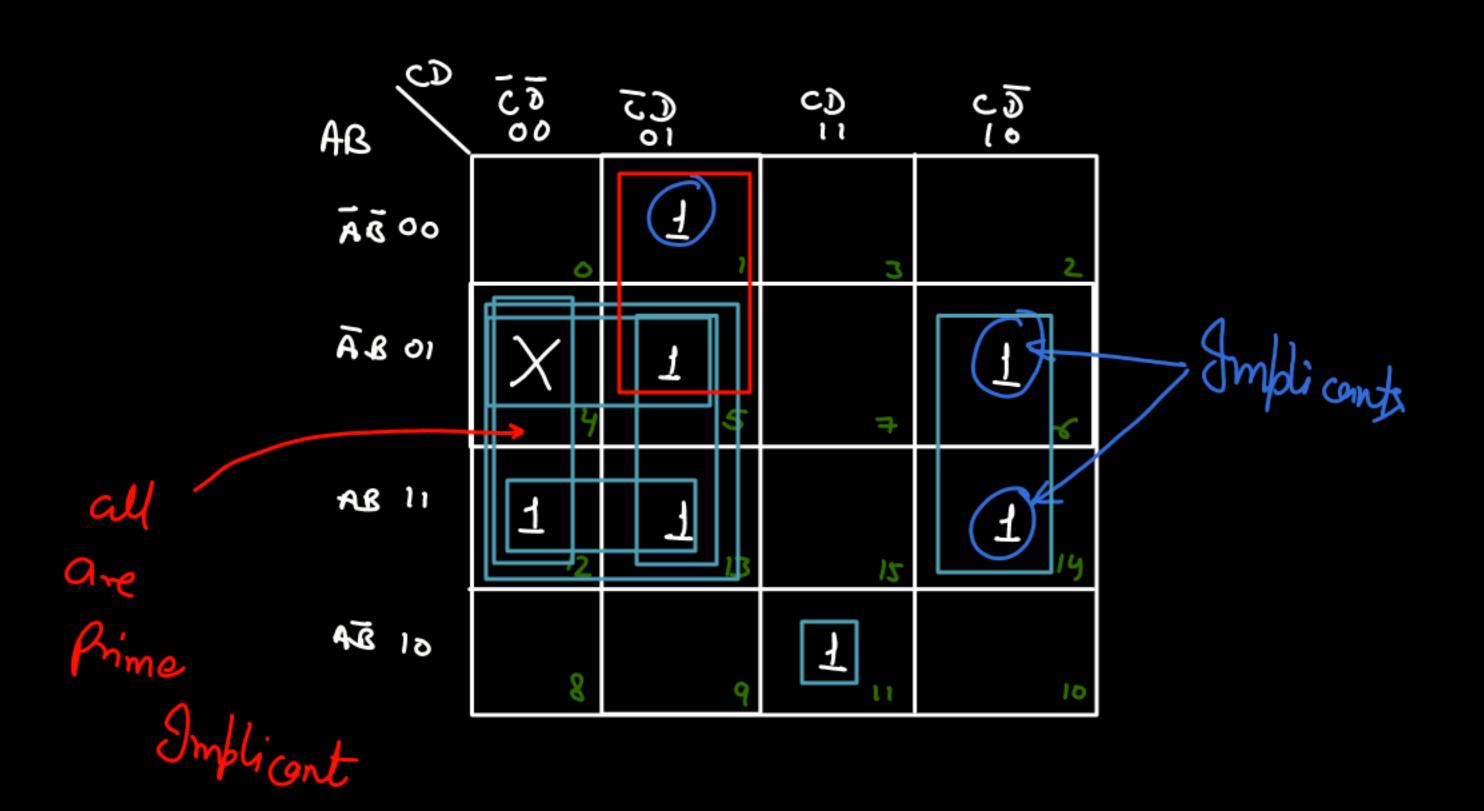
Q Minimize the following function in SDP from. $f = \sum_{m} m(1, 5, 6, 11, 12, 13, 14) + d(4)$

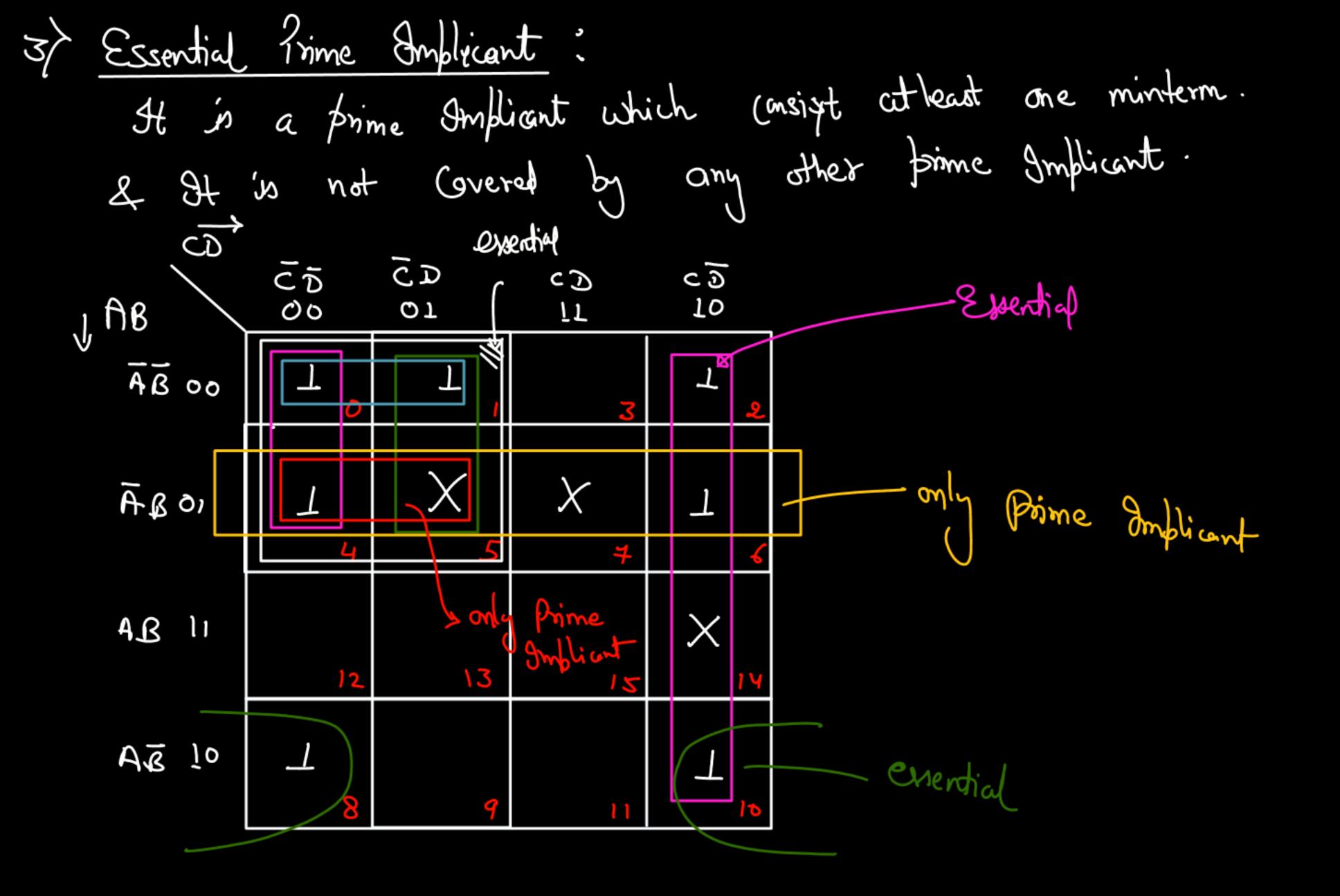


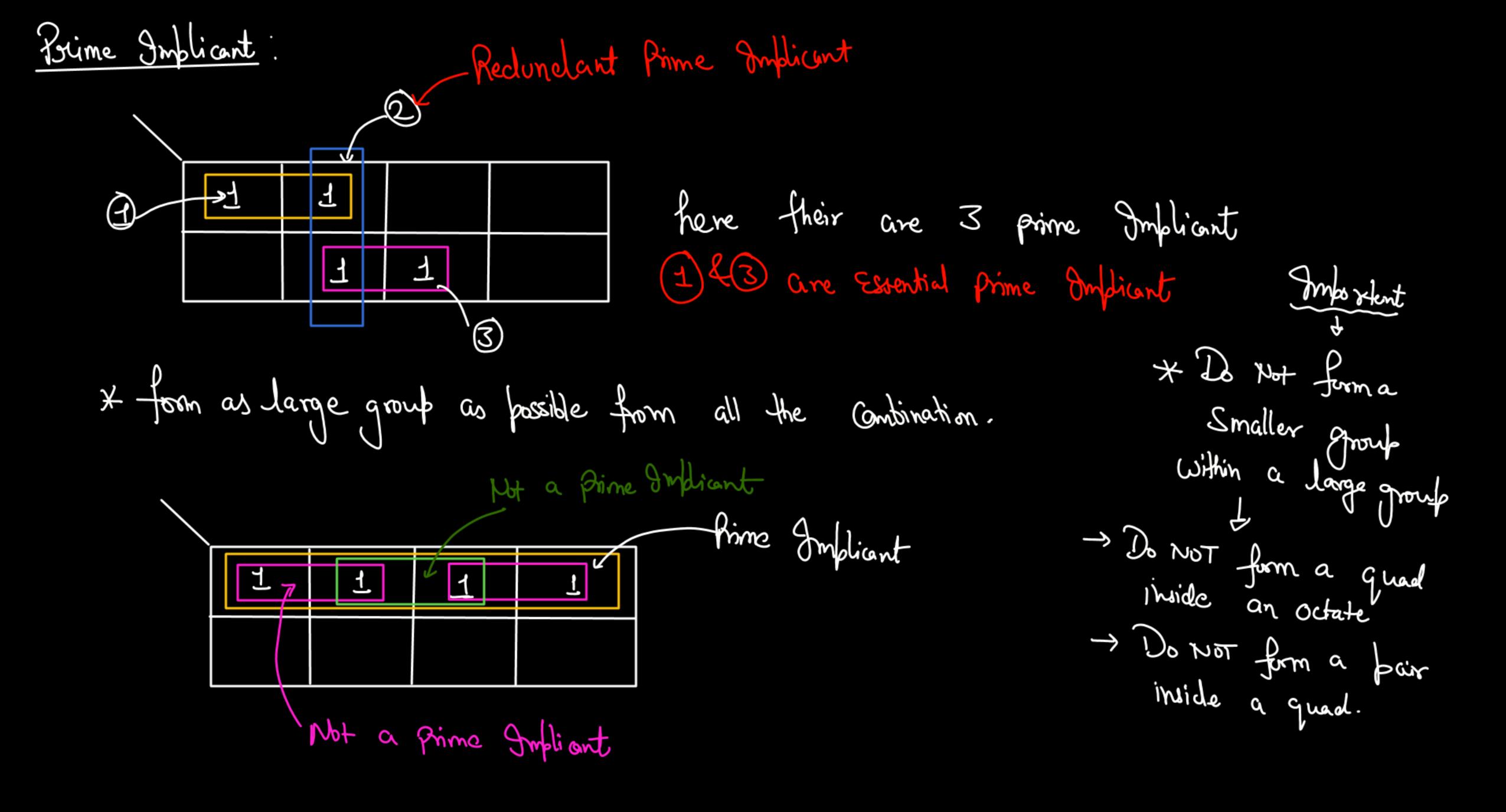
K-Maps (Most important Terminologies)

1/2 Implicant: It is nothing but a mintern or maxtern

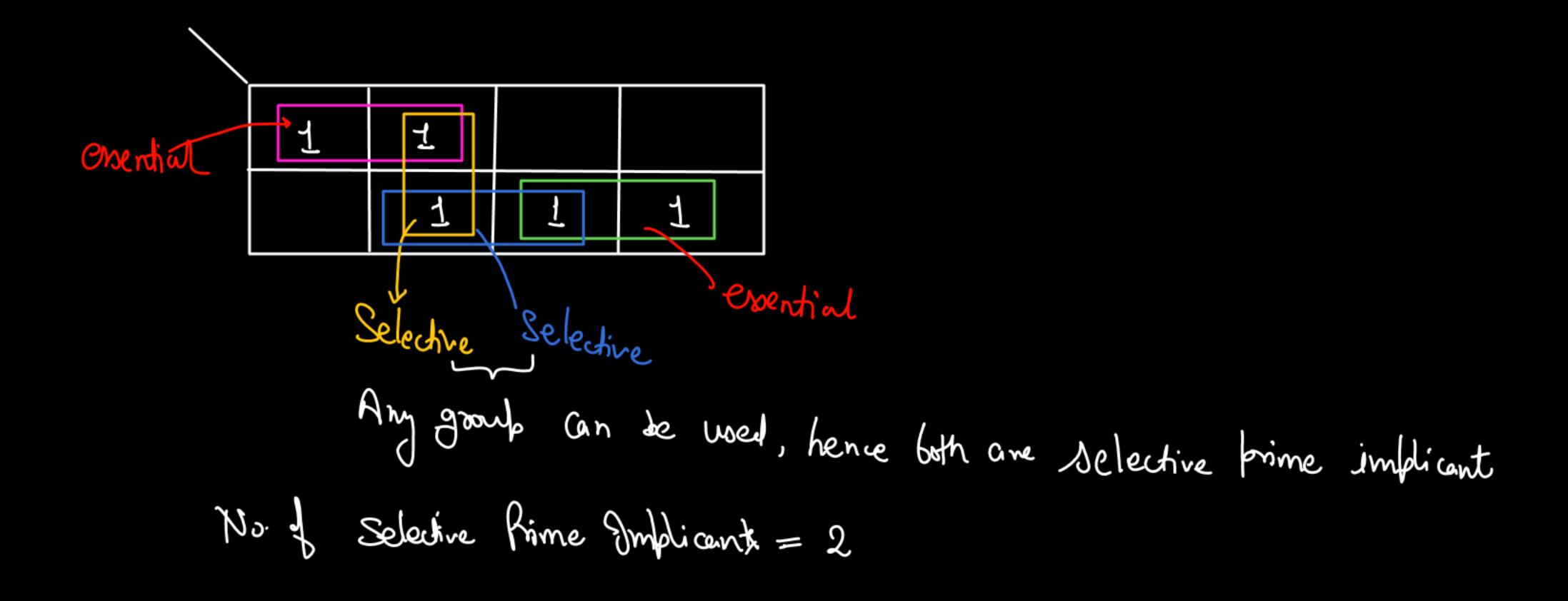
2) Brime Implicant: It is framed by grouping the meximum possible adjecent cells.







Selective sime Smblicant:



\				
	1	1	7	
	17	1	1.	
	2			

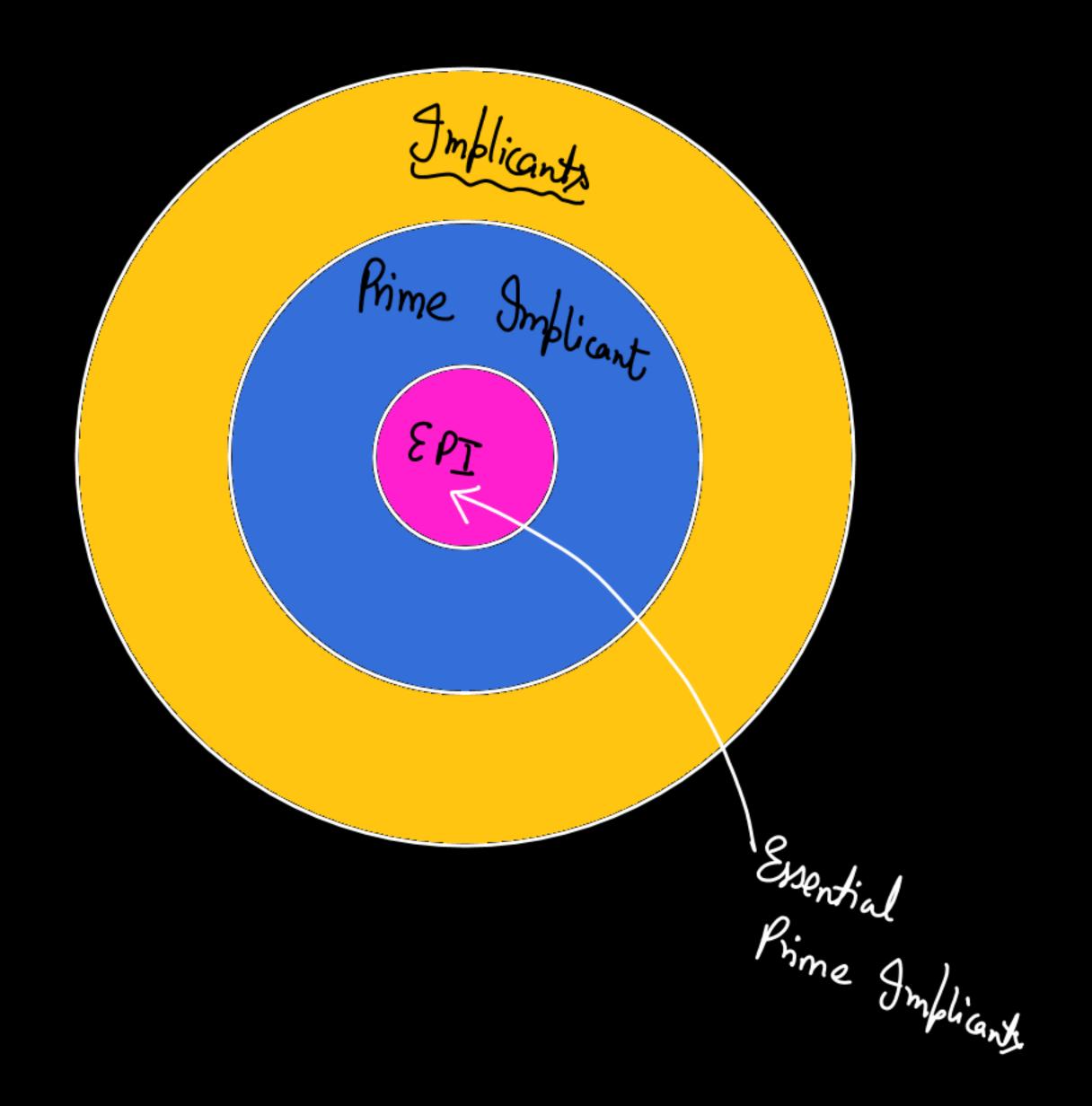
Prime Implicants = 2

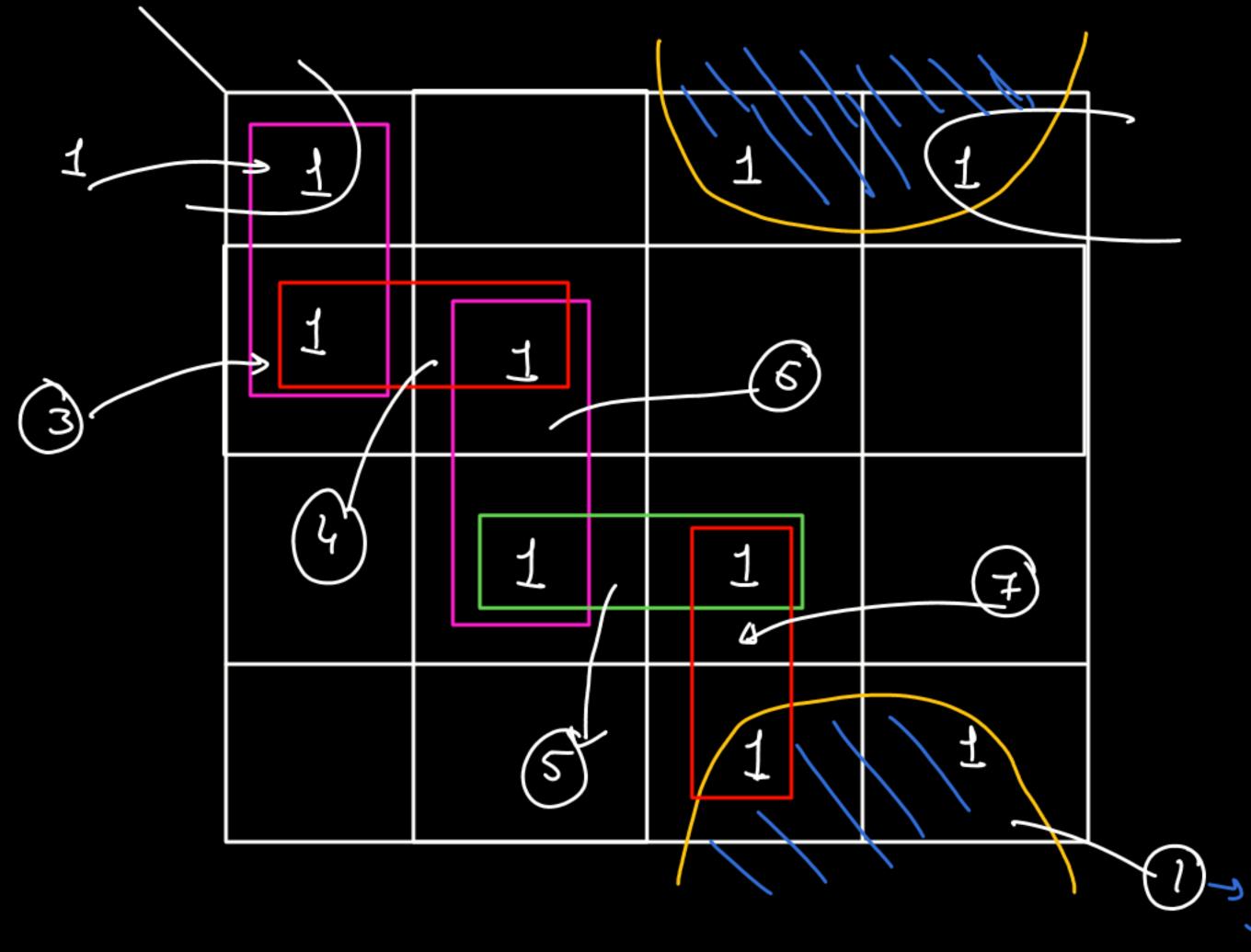
Implicant = 6

Essential P. I = 2

Redondant PI = 0

Selective PI = 0





Implicant = 9

Perime Implicant = 7

Redundant = 0

Selective = 6 Jany of them

Essential P.T = 1

Essential ...

Stricil rotat

La Combinational Circuita (3mb) & Arithmetic

Copp