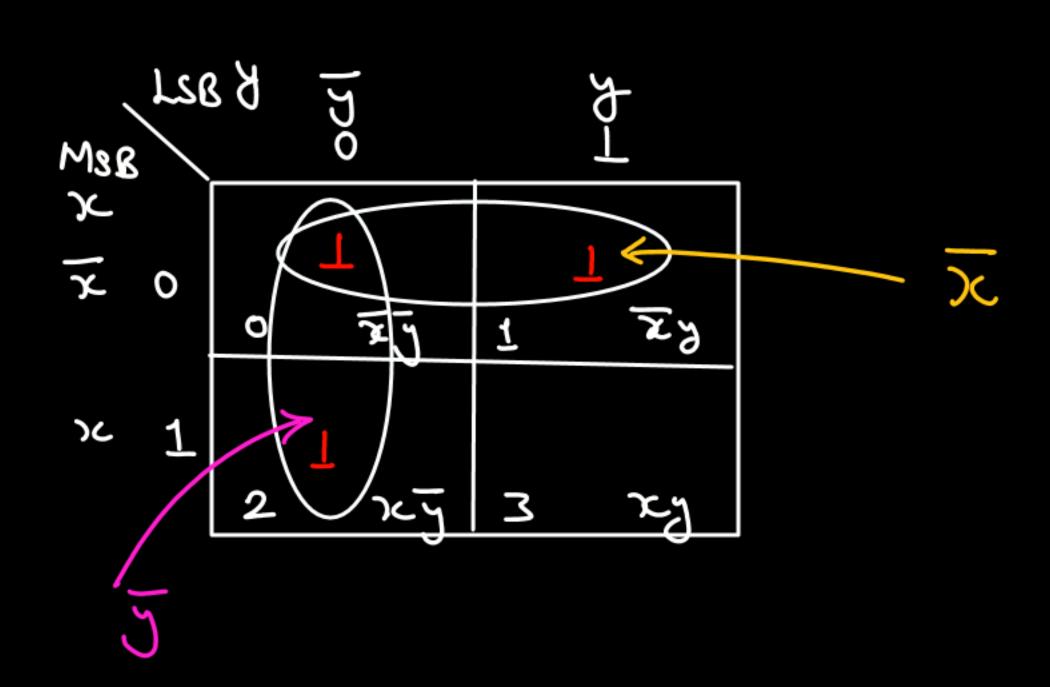
Question: Simplify the following equation using K-Mob: F= xy + x'y + x'y ->

0 of decimal form

2 variables -> x,y

$$\Rightarrow f = \sum_{m} m(o'i''')$$



$$f(A,BF) = \sum_{i} m(0,3,5)$$

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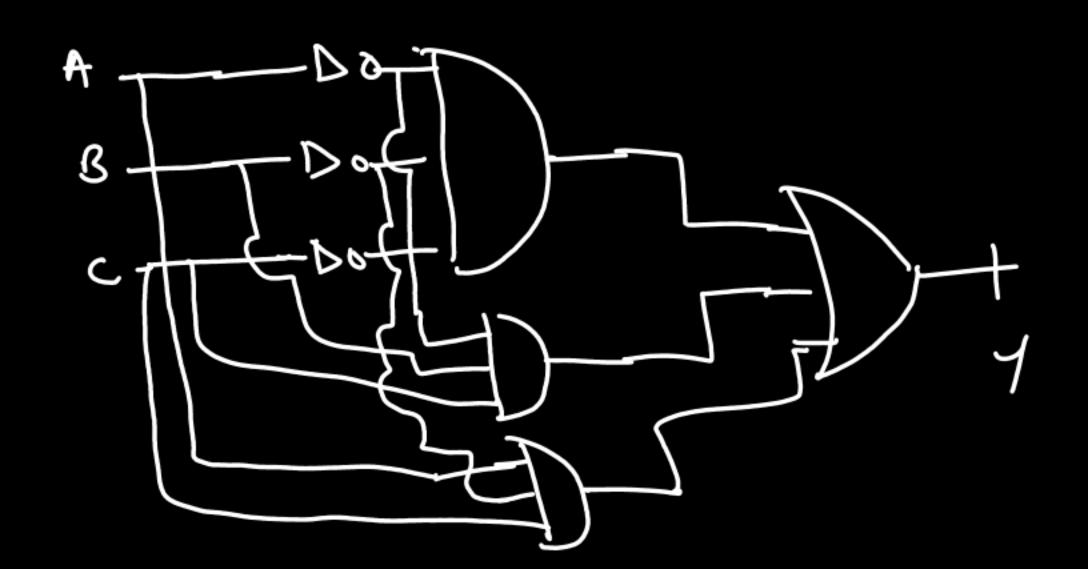
$$f(A,BF) = \sum_{i} m(0,3,5)$$

$$f(B,BC) = \sum_{i} B_{C}$$

$$f(A,BF) = \sum_{i} m(0,3,5)$$

$$f(A,BF) = \sum_{i} m(0,3,$$

Simplified from

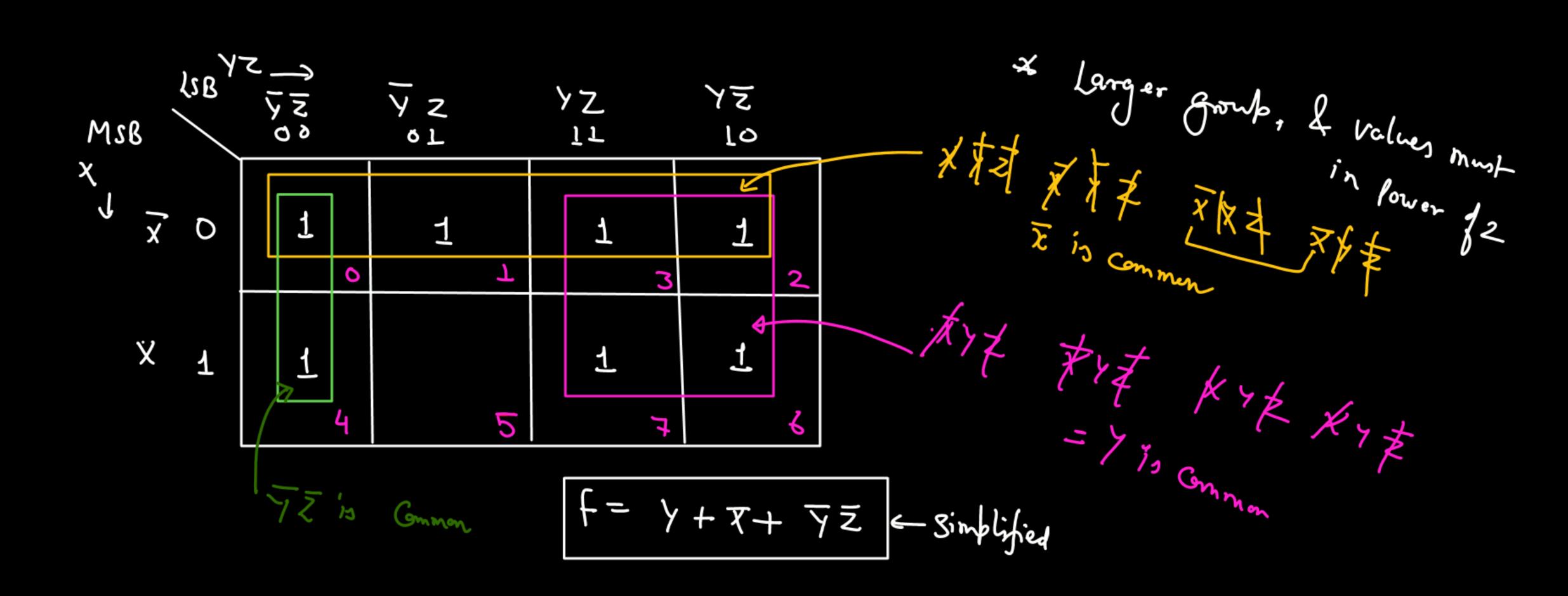


B C

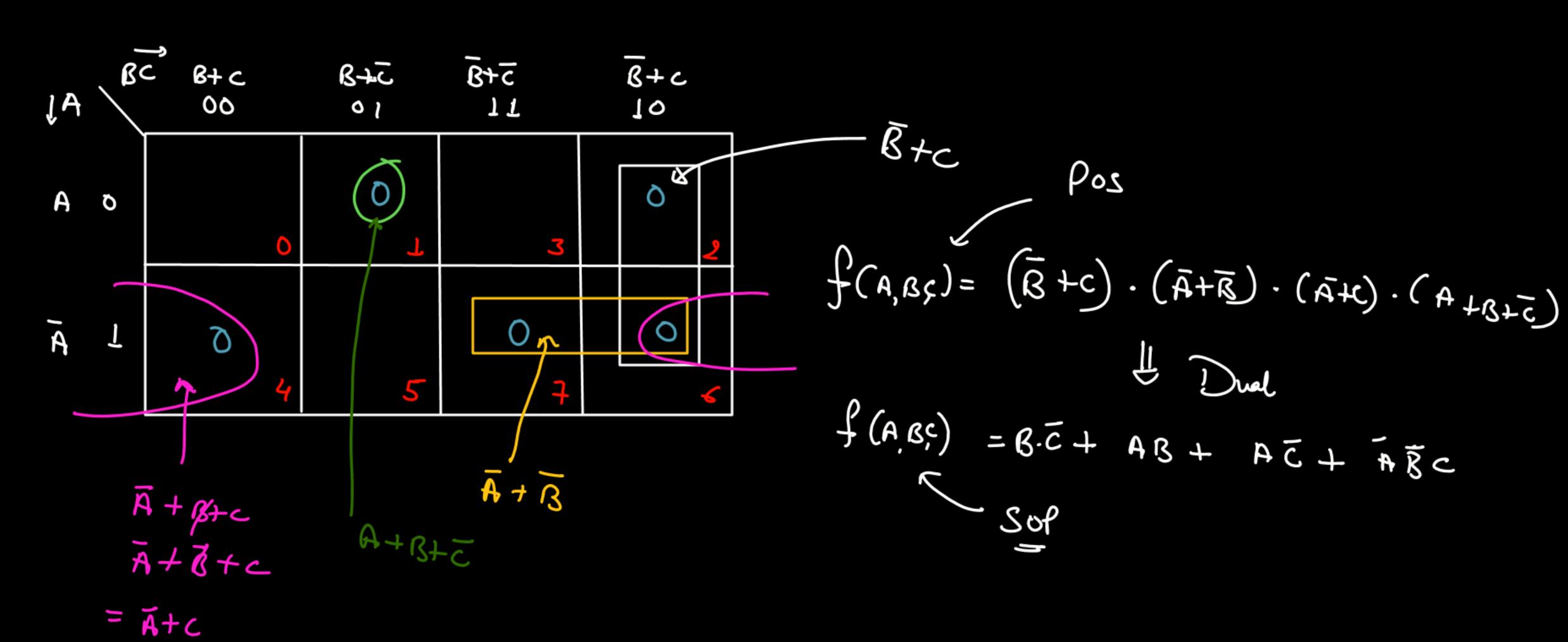
10

$$F = \overline{X}YZ + \overline{X}\overline{Y}Z + \overline{X}\overline{Y}Z + \overline{X}\overline{Y}Z + \overline{X}YZ + \overline{X}\overline{Y}Z$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad$$



Ez f (A, B) = TM(1,2,4,6,7) +- POS (Product of Som) -, Anomer'zen'



4 variable K Mab:

A	B	<b>ر</b>	P	SN	Mintern
0	0	0	0	0	で こ 2 2 4
0	0	0	1	1	ABC D
0	0	7	Ø	2	ARCD
٥	0	1	1	3	ABCD
0	T	0	0	¥	A B C D
0	1	0	7	7	E 2 2 4
0	1	0	٥	6	A B C 3
ం	Ţ	7	L	7	ABCD
1	0	٥	0	8	Ø 5 Ø ♣
T	0	0	-1	9	Q 2 D A
T	0	7	0	70	C O D
7	٥	1	1	11	ABCD
1	1	0	0	12	ABEB
7	. 1	O	1	13	ABCD
ا	1 1	1	0	14	AB CD
	<u> </u>	7 7	1	12	ABCD

rs@ c	D-1				
MSB	ر و <u>ه</u>	A 1	C D		
A E OB	ĀĒZĎ O	45 5 5 A	ĀRCD	AB ST	
A B O1	AB C5	A B C D	Ā B CD	AB CD	
	4	7	7	€	
AB 11	AB CD	AB CD	AB CD	AB CB	
	12	13	12	14	
AB 10	A B C	AGGD	AB CD	AB C5	
	8	9	h	To	

Minterms (SOP)

Pos form				rea or			C+ <u>D</u>	<u>c</u> + <u>p</u>	<u>C</u> +>	
A	B	<b>ر</b>	P	SN	Maxtern	Msg	0+0 C+D	0 +7	1+7	7+0
0	0	0	0	0	A +B+C+D	AB				
0	0	0	T	1	A+ B+ C+3	A+B 0+0	A+B+C+D	A+B+C+D	みものもられて	476151
0	0	T	Ø	2	A+B+G+D		0	1	3	
٥	0	7	Ţ	3	A+B+ C+B					
0	T	0	0		Q+2+&+A	A+B 0+1	Ate +C+D	A+@+(+B	4+ <u>6</u> + <u>5</u> + <u>5</u>	A+8+c.
0	Ţ	0	Ţ	7	サージャントガ		4	7	7	
0	1	0	0	6	A+B+C+D					
3	Ţ	7	L	7	ロナンナシナタ					
1	0	٥	0	8	A+B+c+D		Atr + C+D	ダナダナビナダ	Ātrit+D	A+B+c+
T	0	0	1	9			12	13	15	> <sub>1</sub>
ı	0	7	0	70						
7	٥	1	1	11		A+3 1+0	A+B+C+D	サナピナイラ	A+O+C+D	F5+ 21+A
1	1	0	0	12			8	9	h	
7	- Т	O	上	13						
	<u> </u>	1	0	14				Maxtern		
	<u> </u>	7	1	12						

$$\frac{Q}{AB} = \sum_{i=1}^{N} (0.1, 3.5, 7.10, 11.13, 15) - Sof f(A, B, C, D)$$

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$$\frac{AB}{AB} = \sum_{i=1}^{N} (0.1, 3.10, 1.10,$$

Questims - 4 vor K-Makes

(don't Care condition)

Simple