1) canonical SOP form

$$F = BD + B'D' = (A + A')(c + c')BD + (A + A')(c + c')B'D'$$

$$= ABCD + ABC'D + A'BCD + A'BC'D + AB'CD' + AB'C'D' + A'B'CD' + A'B'C'D'$$

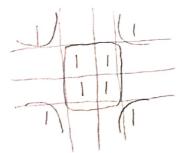
$$= M_{15} + M_{13} + M_{17} + M_{5} + M_{1.5} + M_{2} + M_{5}$$

$$= \sum_{i=1}^{n} (0, 2, 5, 7, 8, 10, 13, 15)$$

2) Kornaugh Map

CDAB	00	01	11	0
00	1			1
01		1	1	
- []			,	
10				

3) Find simplest SOP form using Karnaugh map.



① 11 元文之 BD, B'D'

BDSLB'D'2 5年 報知し、智思 Simplest SOP form で BD+B'D' OICH 製品 正計記し、 있으므ュ

1) Canonical POS Form

- = Mo. M. M. M. M. Mn Mis -Mz · Mis
- = TTM(0,1,2,4,5,1,10,15)

2) Karnaugh map

ABCO	00	0	11	10
00	0	0		0
01	0	0	0	1
	1	1	0	1
10	(0

3) Find simplost POS form using Karnaugh map



OPIE 交流 (A+C), (B'+c'+0') (B+('+0)

@ EP] = 3/201 (A+C), (B'+c'+p'), (B+C'+D)

(A+C)PL (B'+C'+D') PL (B+C'+D) 는 모두 중복되고 이동은 부분을

= == Simplest POS form= (Atc)(B+C+P)(B+C+P) OLL-