	A	B	10	Min Term	Max Term
0	0	0	0	A'B'C'	A+B+C_
1	0	0	1	A'B'C	A+B+c'
2	0	1	0	A'BC'	A+B'+C
3	0	1	1	A'BC	A+B'+C'
4	1	0	0	AB'C'	A'+B+c
5	1	0	1	AB'C	Al+B+C'
6	1	1	0	ABC'	A'+B'+C
7	1	1	1	ABC	A'+B'+C!

Canonical SOP
$$F_{n} = \sum_{i=0}^{2^{n}-1} a_{i} m_{i}$$

$$n-No.d \ Variables$$

$$a_{i} = \begin{cases} 0 & \text{if } m_{i} \text{ is absent} \\ 1 & \text{if } m_{i} \text{ is present} \end{cases}$$

$$F = A'BC' + ABC + A'B'C = m_2 + m_7 + m_1$$

$$F(ABC) = Em(1,2,7)$$

-•
$$F = (A' + B + C') (A + B' + C) (A + B + C)$$

= $M_5 \cdot M_2 \cdot M_0$
= $TI M(0, 2, 5)$

Canonical POS
$$F_n = \frac{2^{n-1}}{1!} \left(a_i + m_i \right) , \quad a_i = \begin{cases} 0 & \text{if } m_i \text{ is above present} \\ 1 & \text{if } m_i \text{ is absent} \end{cases}$$

$$F' = \left(\begin{array}{c} 2^{n} \\ \leq 2^{n} \\ = 2^{n} \\ \uparrow \uparrow \\ = 1 \end{array} \right)' = \begin{array}{c} 2^{n} \\ \uparrow \uparrow \\ = 1 \end{array} \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right) \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right) \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right)$$

$$= \begin{array}{c} 2^{n} \\ \uparrow \uparrow \\ = 2^{n} \end{array} \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right) \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right) \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right)$$

$$= \begin{array}{c} 2^{n} \\ \uparrow \uparrow \\ = 2^{n} \end{array} \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right) \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right)$$

$$= \begin{array}{c} 2^{n} \\ \uparrow \uparrow \\ = 2^{n} \end{array} \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right) \left(\begin{array}{c} 2^{n} \\ = 1 \end{array} \right)$$

->						
	A	B	10	F	F	-1
	0	0	0	1	0	
	0	0	1	0	1	
	0	1	0	1	0	
	0	1	1	0	1	
	1	0	0	0	1	7
	1	0	1	1	0	1
	1	1	0	0	1	
	1	1	1	1	0	

Ex:
$$F(ABC) = Em(L3,5,6)$$

 $F = TTM(0,247)$
 $F' = Em(0,247)$
 $F' = TTM(L3,5,6)$

NAMO

AND-NOT

A	B	(A.B)
0	0	1
0	1	1
1	0	1
,	,	0

A	13	(A+B)
0	0	1
0	1	0
1	0	0
1	1	0

C= ototc

= (AB'+BB'+C)