(7) Truth Table to Symbolic

& Mintern for a function is an expression that evaluates to logic 1 for a single input & of for every other input.

						Jeg		mpo
EX	A	B	C	F(A,B,C)	Mintern	Symbol	Maxtern	3
	0	0	0	0	a'b'c'	mo	ath to	Mo
	0	0	0		able	m	atheci	M
	0	i			abc'	m ₂	a + 164C1	MZ
	1	Đ	0		9 6'6'	ma	a'tlotc	May
		0	0	0	a bic	mo	a'tbtc'	Mo
	i	1	i	0	a b c'	me	artotc	Mb
				the Real Property lives and	abc	m7	0, + 6,40	147

mintern trick = to form a inintern take the product of var when its I a negation when its \$

Canarical sof = OR together minterns where function expects 1. F(a,b,c) = a'b'c + a'bc' + a'bc + abc'+ abc F(0,1,1) = 0 + 0 + 1 + 0 + 0 = 1 F(1,0,1) = 0 + 0 + 0 + 0 + 0 = 0

F(a,b,c) = 51m(1,2,3,4,7)

A Maxtern for a function is an expression that evaluates to legic of for a single input and I for every other input.

Canonical POS = AND together maintenns where function equals to

F(a,b,c) = (a+b+c)(a'+b+c')(a'+b'+c)

F(a,b,c) = 4TM(0,5,6)

Lab 3

4 modoles

ASSIGN

CASE

DUSTANTION

> Rock, Paper Scissors