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(c) 070 prove my thicily assure not mything. TINA (ATVAI) TINA, (TIVH) (TAVH) contradiction Therefore mythical! " " " @ To prove maying, assume not myial 76,71106 M, (IVK) N (TAYK) $\frac{1}{2} \sqrt{\frac{1}{2}} \sqrt$ MAMZ , MVI controlichi DE MARM unhalists, "INT controlicts, gim to first sentuce to second sentuce TMVI is mostisfilh. Therefore, majoral. (3) to prove hornel, as you not Lorned. THE CHUATED A CHAVED TINTA

7INTA (MUTI) (MUA) (MV]) N M = (MAM) V(M N-I) = (MN-I) contradiction => (= Gim MATI, TMUI is usetortalle Since M MUST be I and I must be file thus TTVF=FZT Turker the witcom is homed in 4) Figure 1. Décomposable: Yes because for each AND, the versus is pilet succircuit and the mollis in the right subviveust that feel is to the AND do not overlap. The Fer dyn 2 ANDS, AND AND EABS 80,03 EABS 80,03 AND AND AND AND AND AND dut 4 ANDS, 445 903 447 403 405 943 967 803 963 803 863 retermina : Yes because for each or, to fett Subcircut and pull subcircuit or poutally exclusive mening my const both be high at the same time This is due to the fact me left sulciverit wholeys his term X as an atomic team or under AND, and the right suscinent amongs his term of as atomic or rest who AND. Smooth: No it is not snooth because not all

OR gets sitisfy the property where vergelles
in left subcircuit. For example, for
the second of the right in depth 3,
the left subcircuit would are see3 and
the right subcircuit would are see3 and
the right subcircuit would are see3.

Figure 2.

Decomposite: Yes, become for all AND garry,

mu left subcircuits have no overlying residence

with the tright subcircuit. For early, and dyn 2

AND garra left subs re 2 A, B) while right sods

are & 1, D3. At dyn 4, the disjoint

sets are essue & AB, N 263 = 0 or

& c3 1203 = 0.

Deterministe i No, become for som or gros, the left and right colorients my be high of the Some hime. For example,

AND AND

smathers: Yes become for all or gots.

For left and right sourcire-sto have the some get of

reviables. i.e. the original either have on the

1eft and right subcircults the marker set

2A, B3, or 2C, D3, or 2A, C, C, D3

5,	(a) f(A, B)= (7A A B) U (-B A A)
	Satistying models:
	2A, -B3
	97A, 83
L	
	ω (A, ¬0) = ω(A)ω(¬0) = 0.1 (0.7) -[0.07]
	co (7A, a) - co (8) = 0.9 (0.3) - [0.27]
	WMC(F(A,D)) - 0.07 + 0.27 - [0.34]
7	(1) Two is a - to mality of the leture to
	count on this cost and way a for the formal.
	(b) Two is an Egunlity relition before the formal.
	30 10 7 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	(c) wm((f(A,O,O))=
	(co(7A, B)+co(A, 7B))(co(c, s)+co(-0, -c))+
	(co(7A,70)+w(B,A))(co(c,70)+w(D,70))
	- it was about the think has the best
	((U(7A)W(B)+W(A)W(PB))(W(L)W(O)+W(PD)W(PL))
	+ (60 C7A) CU(-B) + CU(B) CU(A)) (CO(C) CU(-O) + CO(C)C(-C))
	- (0.9(0,3)+0.1(0,7))(0.5(0.7)+L0.3)(0,5))
	+ (0.9(0.7)+0.3(0.1))(0.5(0.3)+0.7(0.5))
	we to mile and a supplementary
	= (0.27 + 0.07) (0.35 + 0.15) + (0.65+0.03) (0.15+0.35)
14. 0	= (0,34)(0.50)+(0.66)(0.50)
- Ac	= (0,50) (0,34+0,61) = 0.50(1)=[0,5]
100	DATERO LA CALLANDE CONTRACTOR OF THE STATE O