perpositional of touth table enumeration algorithm for moderation of touth table enumeration algorithm for moderation of touth table enumeration algorithm for moderational entailment.

Jeciding Propositional entailment.

; series 1	bles to	ge come	CHIVE	PVO	P=>9	*
Truth T	ap.	1 7P	PAS	PV9		
P	0)		false	talse	true	
false	false	tome		true	talse	
	forme	tome	false			
false		talse	false	time	talse	
forme	talse			tome	talse	
time	tome	false	frue	3610-	=> output	_
Thank	-			Frand	- our fai	

Example:) X = AVB

KB = (AVC) 1 (BV-1C)

checking that KBFX

)			AVC	0 4.10		
A	В	C	1120	foure	false	false
talse	false	false	false	false	false	false
false	talse	forme	tome	toure	false	toul
false	true	false	false	tome	forme	forme
	tome	tome	Frue		tome	tome
	talse	false	four	tome	Jolse	tome
tome	false		time	false	faire	burg
tome		talse	Foure	tome	tome	tome
	tome	toure	tome	tome	tome	+sme
True	frunc	1		- A sharks		

KBI= & holds (KB entails &)

Algorithm -> List all variables · Find all the symbols that appears in KB and & Example A, B, C -> Tory every possibility · Each symbol can be True on False · so we test all combinations (like filling a trust to > check KB . For each combination, see if KB is tome -> check « · if KB is tame, then & must also be tame · if KB is false, we don't come about & in that -> Final decision row · if in all clases where KB is true, & is also true -> KB entails ~ · If in any case-KB is true but x is talse -> KB does not entail < 2. consider SET as variables and follow relative a: - (5 × T) b: (8 n T) CITYFI show whether write touth table and i) a entails b ii) a entails c

SAT SVT 0 " = Touce "o"= False a entails b => not holds