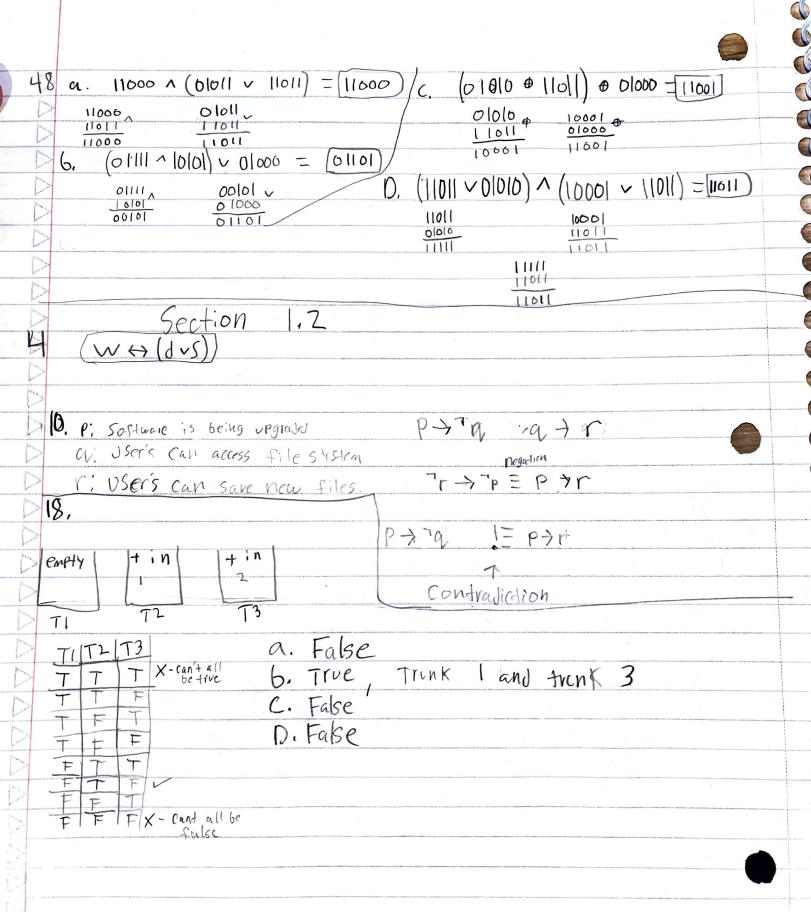
Homework 1

Colin Cano

Section 1,1

20- 21- 21- 21- 21- 21- 21- 21- 21- 21- 21	
12, 6	a. P: The election isn't decided
Ps.	b. Prq: The election is secised or the votes have
	been counted
18.3	c PAq: The election isn't decided and the votes have been
D	countes.
	d. 9 > p: If the votes have been counted, then the
	election has been Jecides.
	e, 79 > 7p; If the votes have not been counted, then
	the election is not decided,
	f. 7p > 7q; If the election ign't second, then the votes have not
	been counted.
	9. PAQ: The election is decided if and only if the votes
19 Land	
	h To V (TPAQ). The votes have not been counted or the
\$*************************************	de ide and the votes have been course.
30,6	. If it's a sunny summer day, then I go to the beach
	Contra positive; If I do not go to beach, then it is
	not a sunny day.
[>	Converse: If I go to the beach, then it is a
154	Suny summer Jay
5	Inverse; If it isn't a sunny summer day, then I do
2	and a to the beach
34	- DIa- Pra Pra (Pra) - (Pra) - Papera P + a (P+a) + (P+a)
	TTTT
	T F T F T
# 4 A	FFFTT
	FT F T F



J.Y.



ABC Coay can't be 2 things atome ABC Coay can't be 2 things atome TITIFU TETO TETO Alex can't be knight and lie ETTO A TO Alex can't be knight and lie ETTO FETA+B cannet soft be false if c istur FIFK night, Bistbespy, C is the knave. 199.a) 199.a) 197.a) 197.a) 197.a)		
TTTFUCOSY CAN'T BE THINGS at the Control of the France of the English and life of the English and the English		28,) A: Cis knowe B: A is Knight C: I am the spy
19.a)		ABC TTTOCOSY can't be 2 things at once TTTTO TFTO TFTO TFAlex can't be knight if Bis false FTTO Alex can't be knight and lie FTTO A+B cannot both-be false if C istur FFTA+B cannot lie
Q4,6) P V (P A Q)		A is the knight, Bisthespy, Cisthe knave.
Q4,6) P V (P A Q)	N C	(70×700)
	5	11.4)
	4	4.6) PV(PAQ)
		((r) (a) vp)
	No.	
	5	
	15	
	B	
	5	
	5	