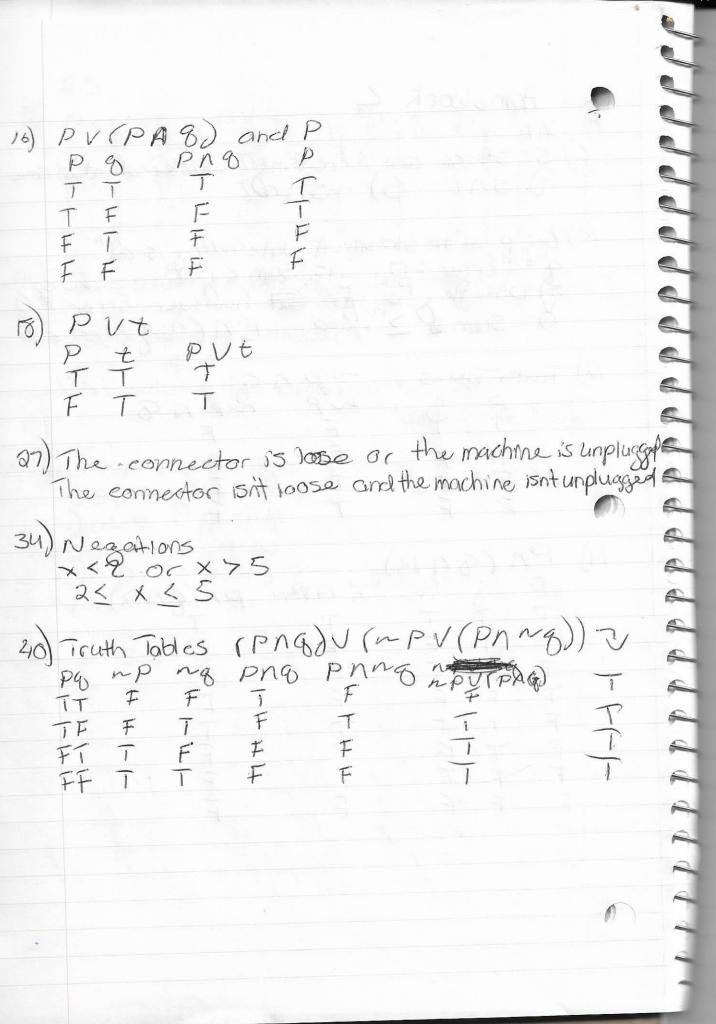
Homework 2 2.1 6) 5= Stocks are increasing i= interest rates are steady a) sni 6) nondi 10) Let p be the statement "Date End Flag is off"

g= "Error = 0 P= "Sum < 1,000" ng

c) Dote flag is off that however Error #

or Sum @ > 1,000 PN (ng v ng 12) Touth Tables Pn (8nB)



48) (PN~G)U(PNG) = PN(~gVg) by Distributive = PN(GVng) by commutative 1 aw for V = PAt by negotien law for V = P by Identity law for A 50) logical equivalences
(PANG) VP=P

(PANG) VP=P

(PANG) Commutative law V = P A6sorption law og 78 1) This loop will repeat exactly N Times if it doesn't contain a stop or a gate If this loop closesn't contain a stop or geto then it will repeat exactly N times 3) Freeze or I'll shoot If you don't freeze, then I'll shoot 5) Truth tables ~pvg -> ~9 PB NP NG NPV8 TIT SOFFICE FOR FIRE The watto emity is in Ton Transaction Tonah & Fol to (1+

G) PANRED GUR GUR PARR P&R TTT FFT FFF

16) If you paid full price, you didn't buy it at Grown Books. BUP you didn't buy it at Gown Books or you paid full price 7 p = you paid fall Price 7 p = 9 8= you didn't buy it at crown Book Not logreally =

Nagations A) It PIS so then pis a rectargle Pis sq and Pisht a rectangle d) If N is prime, then N is odd or n is 2 N's prime and both N isn't odd and isn't 2 F) It Tom is Anns fother, then Jim is uncle & Su is aum Tom's Ann's father and either Jim isn't her unde or Su isn't her aunt

20) P-7(QVR) = (PVng) -) R P8R48 BUR PANG 40-7 (QUB) PANG 3R FTT 干了 All truth values are T 40) Catching the 8:05 ous is sufficient cordition for my being on time If I catch the 8:05 bus, I will get to work on time 47) PANG-7R
PANG-7REN/PANGJVR
EN[M(PANG)) A 2.3 6) P-79 8-7P 1. PV8 3 g Invailed If Hua ight on B, then Tom is on A ng > p .. Tom isn't on team A or Hua isn't on B. . hping

- If I go to the mouses, I won't finish homework.

 If I don't finish my homework, I won't do well on from

 It I go to movies, I won't do well on exam

 "It I go to movies, I won't do well on exam

 "It I go to movies, I won't do well on exam
- 36) A) There is an undedered variable or syntan error in first 5 lines
 - B) If there is a syrtax error in first 5 lines, then there is a missoner; or variousle misspelled

1

- (c) There isn't amissing 1
 - D)There isn't a misspelled variable name
- 41) 1) P-7T NE: NP 2) NP: MPG 3) NPUB-7R NPUG: R 4) NP R : NP NR 5) NPNR 7NS NPNR : MS 6) 31NR NS : Ng