IFT SEMANTE SEMAINET



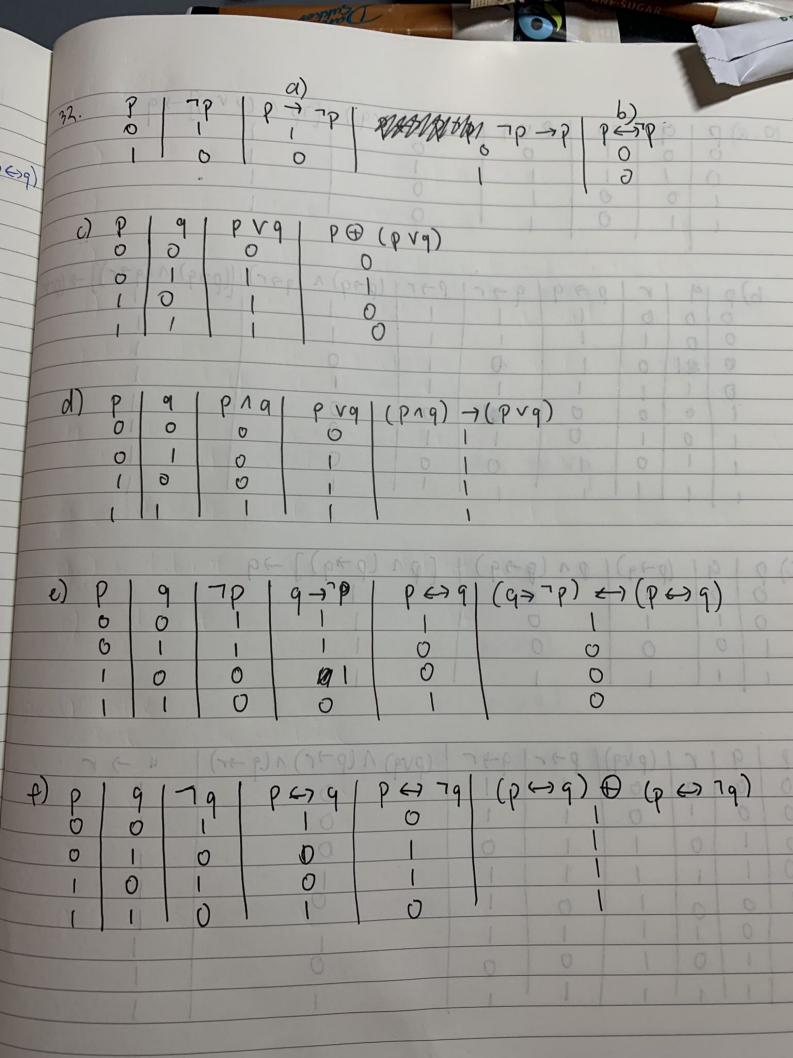
GOLD

- g. a) I did not buy a lottery ticket this week.
  - b) I bought a lottery ticket this week or won the 1 mg jackpot.
  - c) I bought a lottery ticket this week so I won the 1MS jackpot.
  - d) I bought a lottery tracet this week and won the 1148.
- e) I bought a lottery licket this week to if and only if I won the 1 Ms jackpot.
- 1) I did not buy a lottery tilet this week, so I did not win

of the series of

Mang) I did not buy, and did not win ...

- h) I dod not buy ... or I bought ... and won ...
- 18. a) All Her false false
  - b) fre, fale false
  - c) fals, the false
  - d) frue, frue -> frue



10.a) P   9   7 P   P V 9   O   O   O   O   O   O   O   O   O	7p \( \left( \text{pvq} \right) \
b) p   9   r   p = 9   9 - r   0 0 0 0 1 1 1 0 0 0 1 0 1 0 0 0 0 0 0 0	P->r (p-q) \ (q->r) [[p-q) \ \ (q->r)] -> [p-r]
C) ρ   q   (p → q)   p Λ (p → q)   0 0 1 1 0 1 0 0 0 1 1 1 1	[pn(p+)g)]->q
d) ?   9   r   (pvq)   p > r   9 > r	(pvq) 1 (p ->r) 1 ->r 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0

Sano C

 $|| a) (p \wedge q) \rightarrow p = \gamma(p \wedge q) \vee p$   $= \gamma p \vee \gamma q \vee p$   $= 1 \vee p = 1 \vee q = 1$ 

71)

b) p -> (p vq) = 7p V (p vq) = 7p V p vq
= 1 V q = 1

c)  $\neg p \rightarrow (p \rightarrow q) = p \vee (p \rightarrow q)$ =  $p \vee (\neg p \vee q) = p \vee \neg p \vee q$ =  $1 \vee q = 1$ 

d)  $(p \cdot 1q) \rightarrow (p \rightarrow q) = \neg (p \land q) \not (p \rightarrow q)$   $= \neg p \lor \neg q \lor (\neg p \lor q)$   $= \neg p \lor \neg q \lor (\neg p \lor q)$  $= \neg p \lor \neg q \lor \neg p \lor q = 1$ 

= (p-99) V79 = (7p Vq) V 7q 1 f) 7 (p-9) - 79 = 7 p V q V q = 7p v 1 = 1 TEDVIE (PEG) V 9 = (P49) PV 9 - V9 = (PV 9-) V9 3 Elvast (6-d) 100 (bud) = (6-d) = (b) (109) N Pr N 95 3 (PVG-) V Pr VGG E TEDNOLNOLE dr (46-6) = de (6-6) 5 (10 V 91) E