ON) T: "Top hop are sinh vien thin her!"

P(x,y): "Sinh vien x phai hor morn y"

Vx G T, 3 y C Q, P(x,y) b) T: "Tap hop các sinh viên trong lop"

Q: "Tap hop các máy vi tinh"

P(x)y): "Sinh viên & tax có máy yp" vi tinh y"

3x 6 T, 3y 6 Q, P(x)y) e) T. "Tap hip coe sinh vien thong lop"

Q: "Tap hip coe môn tim hoc ""

P(x, y). "Sinh vien x da hoc môn y!

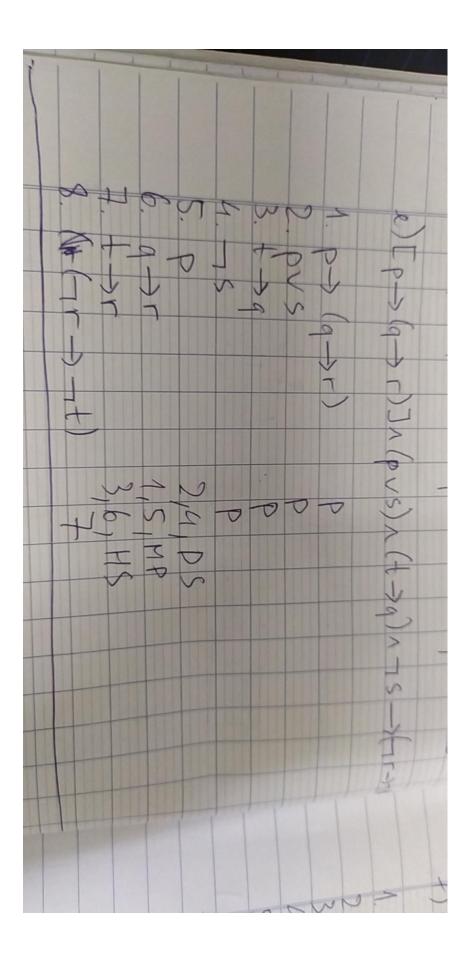
Was to to to to p(x, y) d) T: "Tap hop các sinh viên trong lớp"

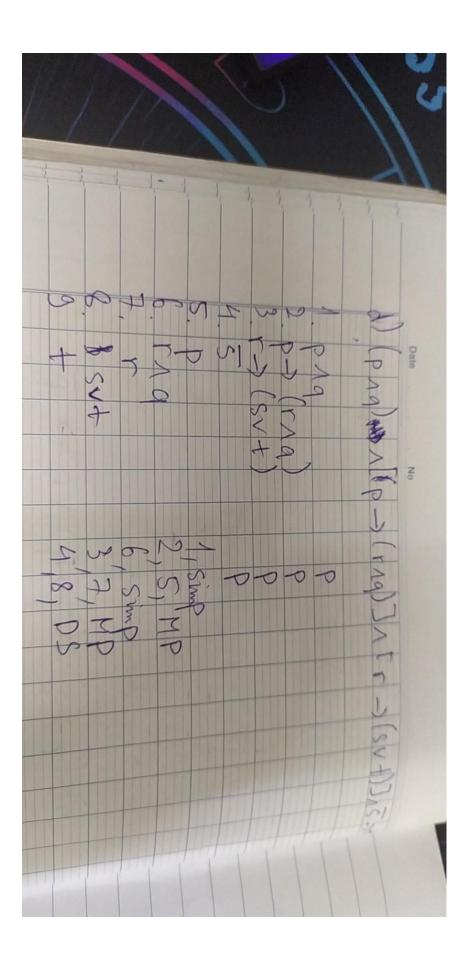
O: "Tạp hop các nha trong kg tuế xá"

P(x,y): "Sinh viên xe có y trong kg tuế xá"

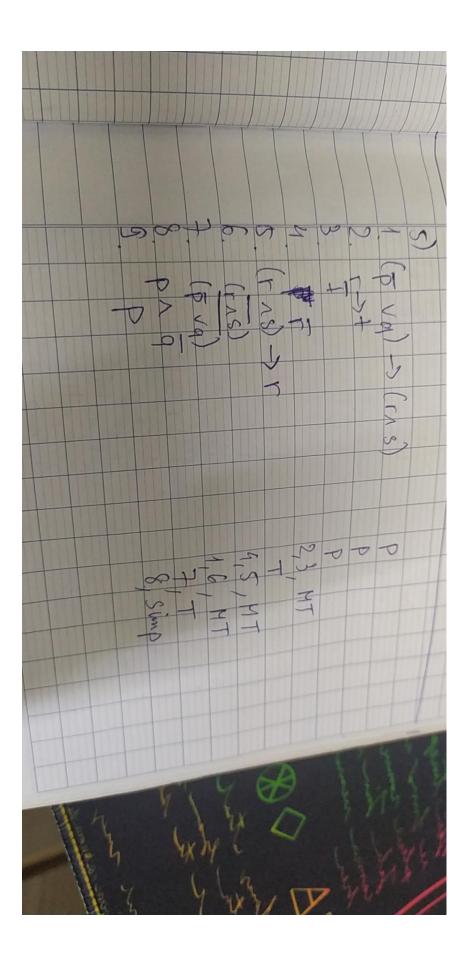
Ve GT, Jy GO, P(x, y) & MGP

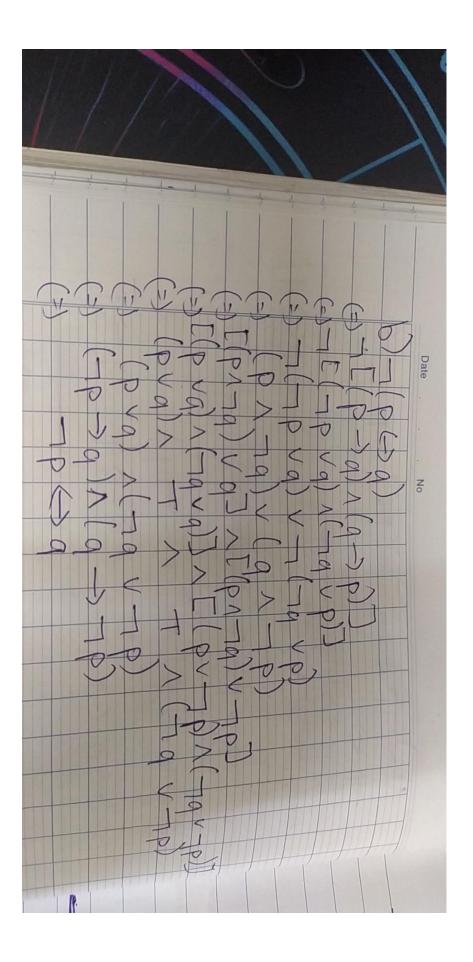
THE O XO OTERS RE	RB II BR R
Date No PVr)	
1 PV9 P 2 7PVr P	
5. q P 5. q 1,0	7 MST DS 1 DS
$7)(p \rightarrow r) \wedge (p \rightarrow q) \wedge $	$(F \rightarrow S) \rightarrow (F \rightarrow S)$
3. q -> s P 4. r \ s P 5. f 4	LP Co.
6. \$ 4 7. a 3/6 8. P	Simp Simp MT
9. 9. 9 10. 9 1 9 11. False	g, comj
(a) $(a)$	
c) 4x, [ P(x) V B(x)	
MGP	
and the same of th	





[P-)(q-p)/(q-p)/->r P-> (q->r)
q-> P
q 2,3, MT 1,3, MP 4,5, MP MGP





To they of P = F is q = T this P v = q la sai la hang dung b) [-a, (p-)a) (=)  $p \rightarrow q) \land (q \rightarrow p) \land (p \rightarrow q) \land (p \rightarrow$ -ia (-) & MC (P19) -> (P>9) (P19) -> (P19) -> (P19) (P19) -> (P19) -> (P 9)-1(p+q)-7-19 3) (-1p / q) / -19 (-1) (-1) / -19 Lr

