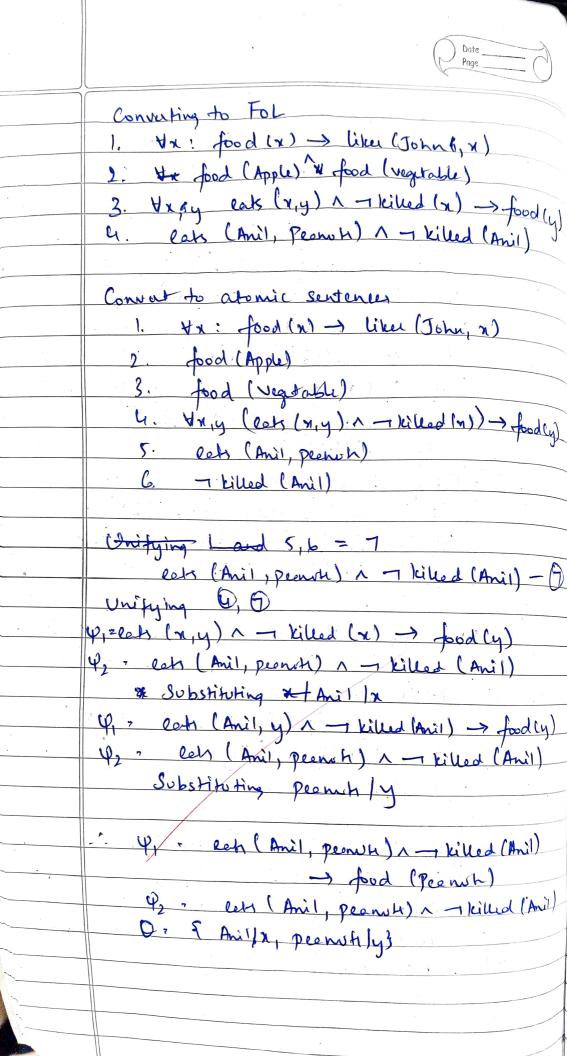
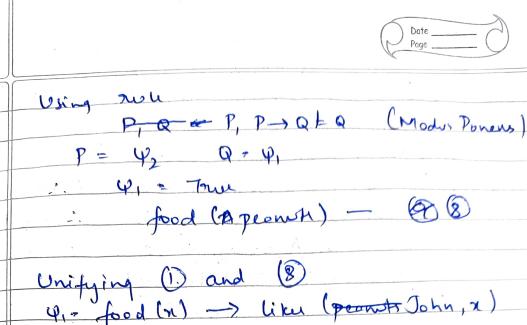
Frank Order Logic Unification Lab-8 ? Q (a, g(x,a), f(y)), Q (a, g(1)),a), Unifying φ, = Q(a, g(x,a), f(y)) ψ> = Q(a, g(f(b),a), x) Substitution Set D. Es add & f(b) In to D $\varphi_{1} = 0 (a, g(f(b), a), f(y))$ $\psi_2 = Q(a, g(f(b), a), f(b))$ 0- 1 flb/x3 adding bly to 0 $\varphi_1 = Q(a, g(f(b), a), f(b))$ $\varphi_2 = Q(a, g(f(b), a), f(b))$ 0 = { bly, f(b) /x} Q1 = Q2, therefore returning substitution .: Mad most general unified $= \{Q(fa,g(f(b),a),f(b))\}$ 0 = { f(b)/x, b/y3 : Unification Successful, Unifying the following Sentences: John like all food Apple and vegetable are food Anything anyone eats and not killed in food U. Anil bots peans and lives





4, - food (n) -> like (peomts John, x) P2 = food (peenute).

Substituting Pennith | X | John, 7 food (pennith) -> liker (John, 7 P2. food (peanity) Da J peenver 123

W Using 1 P, P > Q = Q (Moder Ponene) a P- 421

- Likes (John, peanuti) is True

Codes Output: Substitution: { x/Pean Fi x/Ajay, 4y: Peanul?

Cop = Truc Qis Truck