Task 4-5

Port a -> first order logic

date: May 1,2017 = D1,

May 2, 2017 = D2,

May 3, 2017 = D3

person: John = J

Mary = M

Rain (0): if it sains on date else it is balse

gue (Pi, P2,C,D): ils flerson P. gives

C en date D else balse

Mow (P, L,D): if Rerson P mones

may 3,2017, it is

 $Rain(P_1) \Rightarrow pive(J, M, C, P_2) \Rightarrow$

Port b:

- Rain (P,) N give (J,M,L,D2

Port C: Contract warn't violated

R: False, J: True, M: True

The statements in the contracts

So, the contract wasn't brotated

Post D;

R: St is rains on May 1, 2017

J: John gives mary a check for

on May 2, 2017

M: Mary mous the lawn on May

 $a:(R \Rightarrow T) \cap (T \Rightarrow n)$

b: TRNJNM