Discrete Math Hw. 3. Ex 6, 18, 28, lage 92

(a) If if does not soon on if it is not began, then the society nace will be held and the life baring dimo will go on".

("If the soiling reve is held, then the trophy will be awarded."

(The trophy was not awarded."

Soiling neve will be held = a (76 v 7c) + a

"It seins" = b a d

"It's foggy -c Td.

"This foggy is averded" = d. => b

(Tdn(a > d)) > 7 a Moder College

(Tdn(a > d)) > 7 a Moder College

(Tb v 7c) + a Department of the seins

(The v 7c) + a Moder College

(Tb v 7c) + a Moder College

Tob v 7c)

Prisente Worth

(B) S(x,y) with x < y is a predicate with 2
different variables, this means that the value.

of x must be different than the y value.

335 (5, Max) - (I don't Know if Mox" actually means Moximum value of my specific should be the sclement as x. a y versable. y.

But the part:

S(Max, Max). is not representing

S(x,y), but another predicate
we haven't defined yet.

Therefore: S(x,x) commot be unong

because we don't know
what does S(x,x) "state."

(P(c) V Q(x)) A \$\frac{1}{2} \left( \cappa \right) \right) \frac{1}{2} \left( \cappa \right) \right) \right( \left( \cappa \right) \right) \right) \right( \left( \cappa \right) \righ