HOMEWORK 3 - SARAH WARD See word Document

Predator-Prey Competition Dafi Oak 3 8F1 0 8 F2 Pres neither sp. benefits Predator add more preds; more pregget eaten mutualism both Sp. benefit from the poptof the other

2) ch () $\alpha_{ij} = \frac{\partial F_i}{\partial N_j^2} = N_i = pop. of species j$ = rate of change of total growth rates

(Fi) with respect to the population
of species j (N;)

Ch7: In this case dN: = 1.N1 (K,-N,-X12N2) CV; is = to the effect of dN2 = 12N2 (K2-N2-X21N1) Species i on the dt K2 (K2-N2-X21N1) Species i on the voite of spetiles

Proposal: Use aij. The book actually does this in its