Homework 2 Jane Sullian Jane. Sullian 2 @ aluska. gov

$$L(n_{i},...,n_{2}|p): \prod_{i=1}^{2} \binom{(M_{i}+F_{i})!}{M_{i}!(F)} p^{M_{i}} (1-p)^{F_{i}}$$

$$dn L(n_{3}|p) = \underbrace{\tilde{Z}}_{i=1} em \binom{(M_{i}+F_{i})!}{M_{i}!(F)} + M_{i} enp + F_{i} en (1-p)$$

$$\frac{d en L(n_{3}|p)}{dp} : 0 + \underbrace{\tilde{Z}}_{i=1} M_{i} - \underbrace{\tilde{Z}}_{i=1} F_{i}$$

Set derivative equal to 0