Outcomes: & W_= ((1-f) Wo + f Wo (1+x) w/prop p Magnetin = & Wo + xfWo W/ problep Wo - BfWo W/ problep log Wi= log Wo + & log(1+af) W/ prob 1-p [log W] = log Wo + plog (1+ xf) + (1-p) log (1-pf) of | log W = 1+af A + 1-Bf -B $\frac{d^2}{df^2}(11) = -\kappa^2 p \left(\frac{1}{1+\kappa P}\right)^2 - p^2 (1-p) \left(\frac{1}{1-pf}\right)^2 < 0$ IF [log W,] = 0 => xp(1-pf)=p(1-p)(1+af) XP+BP-B = XPBf*+XRf-XPBf* This makes sense: as B gets large, f gpps MAMM gets smiller

as & gets large, f gets larger up to some
fixed quantity.

as p increases, f increases