F3 = OF + (1-DF). F2 a Generation 3: Il Generation t: $\overline{t}_t = \Delta F + (1 - \Delta F) \cdot \overline{t}_{t-1}$ Recusion for inbreeding coefficient to after t generalians Solve for DF: Te = OF+ (1-OF) For

= ΔF+ (1-ΔF) · E-Λ = ΔF+ FE-1 - ΔF· FE-Λ = (1-FE-1) ΔF+ FE-Λ ΔF = FE-FE-Λ

 $\Delta F = \frac{F_t - f_{td}}{1 - F_{td}}$

Panniche Index: P= 1-F

1-6F = 1-Fe-1-Fe + Fe-1

1-Fe-1

1-Fe = Pt - Per