Exo (2) $V_{\mathbf{k}}(w) = E(V_{\mathbf{k}}(w)) = E(W) = F_{\mathbf{k}} Van(W)$ TKEIR Yan (w)) => E(w) > miscophole V Wk(4) = W4(0) (1+(R)) ang Man [E | R) eng Min Var (fr)) Var (wf) =0 (1E (w))2m ATN N/ = 1 1 Wix -1 $3-\mathcal{Z}(Van(R), IE/wf))=Van(R)-Ju(IE(wgl-m)-Ju(\Sigmar;-1)$

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1) Wf = Wo (1+ R)
   Uk(Nt) = NO + NO IE (R) - Tr ro Van (R)
  U_{k}(w_{f}) = (\nabla)(E(R), Van(R))
   V(m,v) = Wo + wom - Tk wo v
  DV = -TR WS LO = T & >0
2) l'uvestisseur massimise l'esperance d'utilité de sa richesse finale
W_{k}(4) = W_{k}(0) \left(1 + R_{\theta_{ik}}(v)\right)
     on = composition du parte femille
\chi_{k}^{k} = Arg Ran \left( N_{0} + N_{0} \right) \left[ E \left( R_{1,k}(n) \right) - \left[ I_{k} N_{0}^{2} \right] Van \left( R_{p,n}(n) \right) \right]
           t 12 2 = 1 componti on despolifente. []
Foguengian L(u, \lambda) = IE(P_{P,K}(u)) - IT_{Y}w_{K}(0) Vau(P_{P,K}(u))
       -\lambda \left( + 1 \left( w - 1 \right) \right)
  gad L(n, i) = 0 = te _Tew (0) x2 / n (1)
 gad L(n*, x*) = 0 = tal n-1 @
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 $\frac{1}{2\pi a} \left(\frac{1}{x^{2}} \right)^{2} = 0 = 1 \quad -1 \quad 2$ $\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \left[\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \right] = 1$ $\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \left[\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \right] = 1$ $\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \left[\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \right] = 1$ $\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \left[\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \right] = 1$ $\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \left[\frac{1}{2\pi k} \frac{1}{w_{k}(0)} \right] = 1$

$$dmc \quad x_{k}^{*} = \frac{1}{2\pi_{k}w_{k}(0)} \left[\frac{1}{2}w_{k} - \frac{1}{2\pi_{k}w_{k}(0)} \right]$$

$$= \frac{1}{2\pi_{k}w_{k}(0)} \frac{1}{$$

