Solving the Household's Problem

Pascal Michaillat www.pascalmichaillat.org

____/

Household's problem (concave maximization problem):

Necessary & sufficient and tian for the optimal c c maximiting utility). derication = 0 $X = \frac{1}{2} = \left[(+ \tau (\tau)) \right] \left[\frac{m}{\rho} \right]$ CMU of cervices CMU of ceal movex
print balances /real wealth
to roal movey balances $C^{-1/2} = \frac{1+2(\pi)}{\times} \left(\frac{m/p}{-1/2}\right)$ $C = \begin{bmatrix} \times & 7 & 2 \\ 1 + C(X) & P \end{bmatrix}$ _ C: con sumplion of service - 4 service purchased by household: of $y = [1 + 7(x)] \cdot c$ - # vionts by household: U $U = \gamma / q(x) = c \left[1 + T(x)\right] / q(x)$