Computing the Aggregate Demand Curve

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Aggregate demand: Amount of periors that households purchase so as to maximize then utility, given price of oervice p and market tightness &. Notation yd (x, p) to max utility, household consumes $C = \left(\frac{X}{1+\tau(\tau)}\right) \cdot \frac{m}{\rho}$ To max utility, household purchases c. [1+ T(X)]. $\gamma = \frac{\chi^2}{[1+\zeta(\chi)]^{\ell-1}} \cdot \frac{m}{\ell}$ Budget constraints of all households: $m + p \cdot [1 + c(x)] c = p + p \cdot f(x) \cdot k$ through matching. # ocruices sold : # ocruices purchas # mades given by matching fundia

period add = $f(n) \cdot k = m(k, v)$ # servis punchased = $T(x) \cdot U = m(k, v)$ $= c \cdot [1 + 7(\pi)] \qquad (bx definition)$ $= \gamma$ $\int (n) = \left[1 + \tau (x) \right] \cdot C$ Plug into budget (motraint. M= Contorning FOC from household problem w/ # service purchased / demanded by households gd (x, p) is the AD curve