## **Model Solution with Fixed Prices**

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Price man :  $P^{m}(x) = P > 0$ parameter = fixed price Model polition w/ fixed price Need to find tightness &, which is given by d (x, p) — m S (x) — AB-AS implicatly
aggregate wealth defines x

E parameters

X = parameters

T = f(x) (k) + both in

R A & H A

proba aggregate

marding
wedge

MS curve AS on he ( pure aggregate temand) Rewate tightness equation.  $\lambda(x) = 0$ Z (x) = P/  $\bullet \quad x = 0, \quad \begin{cases} (x) = 0 \end{cases}$  $\lambda(0) = \frac{x^2}{(\ell/1-\ell)^{2}-1} > 0$ 

·  $\lambda(x)$  is continuous Intermediate calle thus, there is a such that  $\lambda(x) = \delta$  some model has (at least) one solution. . L(x) is smickly decreasing ( T(x) is strictly incraing, & >1, fk, is strictly increasing) -> x such b Hat 2/x) = 0 is unique >> our model solution its comique. model has always unique solution 101-2-17 or. odukian m exists+unique n 1(2m)=- f(xm)h Another representation:

