O MAX V(C, Z) [CONSUMEN PRODUCEM] S.T. Y= C+Pg+ Ex F.O.C PUL = VE O FREE-MOGLAY V(y-Pg-tx, g)=U (2) @=> V_[-Pf+-Rf-x] + V_ffe=0 3 (2) -(3) => ? = -x/2 <0 For x>0. (4) [HUSING FIRM PROBLEM] MAX 1 [Phis -r-is] F.O.C => Phs = i (5) FREE-Emy => Ph(s) -r- is =0 6 6 => Rh+Ph'. St-rt-iSt=0 USING (5) => Yt = h. Pt .. Using a we was $r_e = \frac{-xh}{7} < 0$ For x > 0D= hg-1 so WE HARE

D= -h(s) f+ h'S+ f

b, h', g, g² >0 TSI ASSUMPTIAL. THAT JUST LEARN 7+, St.

BUT ft >0 B/c Pt <0 AND ft 15 A COMPENSAGED
DEMAND.

TEH' +Ph". St=0

 $\Rightarrow S_{+} = \frac{-P_{+}h'}{Ph''} = -\left[\frac{-x}{q} \frac{h'}{Ph''}\right] < 0 \quad (8)$

USING (B) IN (F), TOGETHER WITH for TO, WE HAVE De 40

THAT IS, AS & T, AT MIN X, WE HAVE
LAND PRICES AND PEISTIN L.

INTENTINACY, AS ET COMMUNE COSTS GO UP AT

EACH X. AS COMMUNE COST & , CAID PRIVES &

TO PRESERVE CONSTANTS U. BUT THIS MEANS

O THE CAPITAL LAND PLATED SHULD FACE (2) HENSING

PEN PENSONS & TOGETHER THIS MEANS DI.

ANOTHER WAY TO THINIC ABOUT THIS IS, AS & A

WE ARE TRESCRING THE X AXIS, AND EARH

X "LODICS LIER" A LOCATION THAT WAS

MONE TREMOTE WITH SMALLER &.

(a) LET
$$C^* = U^-(\overline{u})$$
.

THEN WE HAR $(2cx) + 2ex = w - e^*$

IN PARTICULAN, $\overline{R} + 2e\overline{x} = w - e^*$
 $\overline{X} = \frac{w - e^* - \overline{R}}{2e}$

(45)(1) FROM ABUR, WHEN WINCREASES TO W,

$$\frac{1}{X^{2}} = \frac{W-C^{*}-R}{2t}$$
AND
$$\frac{1}{X^{2}} = \frac{W^{2}-W}{2t}$$

Fram (1)
$$R(x) = \begin{cases} \omega - c^* - 2 + x & x \in [-\overline{x}, \overline{x}] \\ \overline{t} & \text{Else} \end{cases}$$

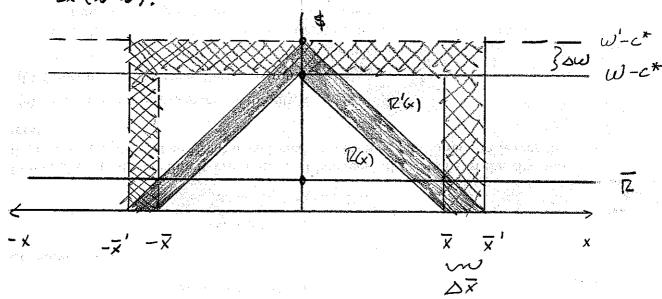
$$R(x) = \begin{cases} \omega - c^* - 2 + x & x \in [-\overline{x}, \overline{x}] \\ \overline{t} & \text{Else} \end{cases}$$

$$\mathbb{Z}^{(q)}$$
 \[\begin{aligned} \text{\text{\$\sigma\$}} & \text{\text{\$\sigma\$}} \\ \overline{\text{\$\text{\$\sigma\$}}} & \text{\text{\$\sigma\$}} \\ \overline{\text{\$\tex{\$\text{\$\text{\$\text{\$\tex{\$\text{\$\text{\$\text{\$\text{\$\text{\$\

Thus $R'(x) - R(x) = \begin{cases} \omega' - \omega & x \in [-\overline{x}, \overline{x}] \\ \omega' - c^{x} - 2\epsilon_{x} - \overline{R} & x \in [-\overline{x}, \overline{x}] \\ 0 & \text{Else} \end{cases}$

~>

(11) IF NEW MIGHAUTS WERE ALS PAID WITHER AGE. WASCHINGSESSE



THE HOTEHED ANEA GIVES CHANGE IN AGGREGATE WASE INCOME

THE SHADED ANGA GIVES INCREASE IN AGGREGATE CAND

THE INCREASE IN WASES IS LANGED THAT THE INCRESSEE IN REF 731 ABOUT ZAX W!

HUBURN, THE INCREASE IN WAGES MET OF COMMUTING