$$P(\alpha) = \alpha - b\alpha$$

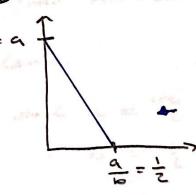
$$\Rightarrow a \neq b$$

$$\Rightarrow a \neq b$$

$$\Rightarrow a \neq b$$

increases, demand becomes never inelestic, and thus, shift inword.

Ex 0 a= 1, b= 1



$$= \sum_{k=0}^{\infty} Calculus = \frac{2\pi}{28} = \frac{2\pi(6)}{28} = \frac{2\pi(6)}{28} = 0$$

$$P + \frac{\Delta P}{\Delta Q}Q = \frac{\Delta C}{\Delta Q}$$

$$MR \qquad mC$$



=> Gres Inveres demand curve

$$= 7 MR = 200 - 2(1)Q$$

=> Gret Inverse denual Curu

= MR=50-(2)(=)Q

whe Qx is the = 50 -10 equilibrium supply & dand quanty MC = ZOO

we a= 1000

b = 5

=> Prosis maximizing a cie ax) is

$$= \frac{1}{100} = \frac{$$

Pesponse to a Change in Margard Costs (MC)

Side 9.4 (17)

Suppose an accelera et a sactory of an Apple

Supplier Reads to an increase in su respond cost is it ad production

=> using the some MR curve

Respuce to a change in murginal feveries (ME). Slide (4/2)

Suppose we have an incree in the consumer's preference sor itsals => Demen shists Right

=> a increases from 1000 to 1400

Notice all we did was Increase the Intercept

P(A) = 1400 - 5 Q

=> MR = 1400 - 5(2)Q = 1400 - 100

=> 1400-100 = 200

=1400-600

Response to the frice Sensitivity of Consumers

Site 9.4 (6/7)

Inverse Demand New

Inverse Denant Old

b = 2

6=5

Notice the decrease in the slope of the denom curve.

More elastice => 80 ->00

For New Denand

MF-NEW = 4.00 - 2(2) Q

MRN = 400 - 40

me = mc =7

400 -40 = 200

40 = 200

6 = 800

=> P(6) = 400 - 2(800)

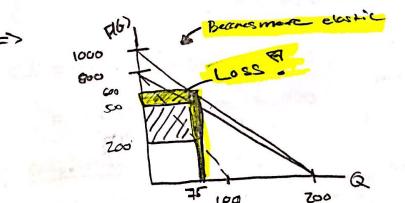
= 400 - 1600 = -1200

Firm do not prod

This is not

Feasible, so try again

@ b = ta



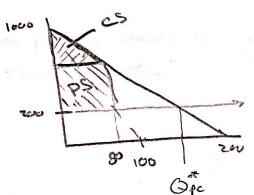
Loss in Markup

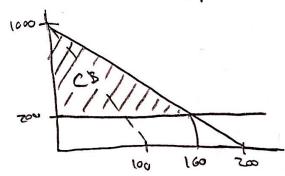
Producers Surplus (BS)

Consumer Surplus (CS)

$$= \frac{5}{1000-600}80$$

Perseex Competition





a dead weight loss in Total Welsone.