opportunity cost -> next best option

Factors/Resources of Production

1 Labor 2 for a student, labor is how many hours here studying.

@ Capital

(Land

@ Entre preneurs

treadeoff of labor -> wages

Salaryan job based

income my depends on source

Capital money tal that's being used for y capital goods (tools, machinary)

The neturn of capital is interest

The purpose of capital is to inocease

Land place for facility

Entre paeneurs my owners I who get profit

Capital - expital
Goods
- financial
capital

Production Possibilities Frontier (PPF) notices tone than I then you also ago the said that had not a sound from the said of the said of the produce could Lot gs 10) Stride s born 19 15 W. C. F. - Te pilenes. W 14 12 9 Salary Sol Knewlos H point not possible 5 0 Lastin 19 1 A (0,15)B EN start 14 words in a point is inefficient of Johnson in contract on the 2 shirts 4 (5,0) Hings I all governous and

101 6 3

4

Allocative Efficiency

Es Curve va 2000 contination of bundle best

it depends on cost, demand, time

apportunity cost -> inoreasing: graph bend outward

opportunity cost

$$B \rightarrow c = \frac{\text{decreasing}}{\text{increasing}}$$

$$= \frac{14-12}{2-1}$$

= 42

For 1 unit of shirt I'm sacrificing 2 unit of sweaters from point B to C.

. 5 for 2 additional units of shints

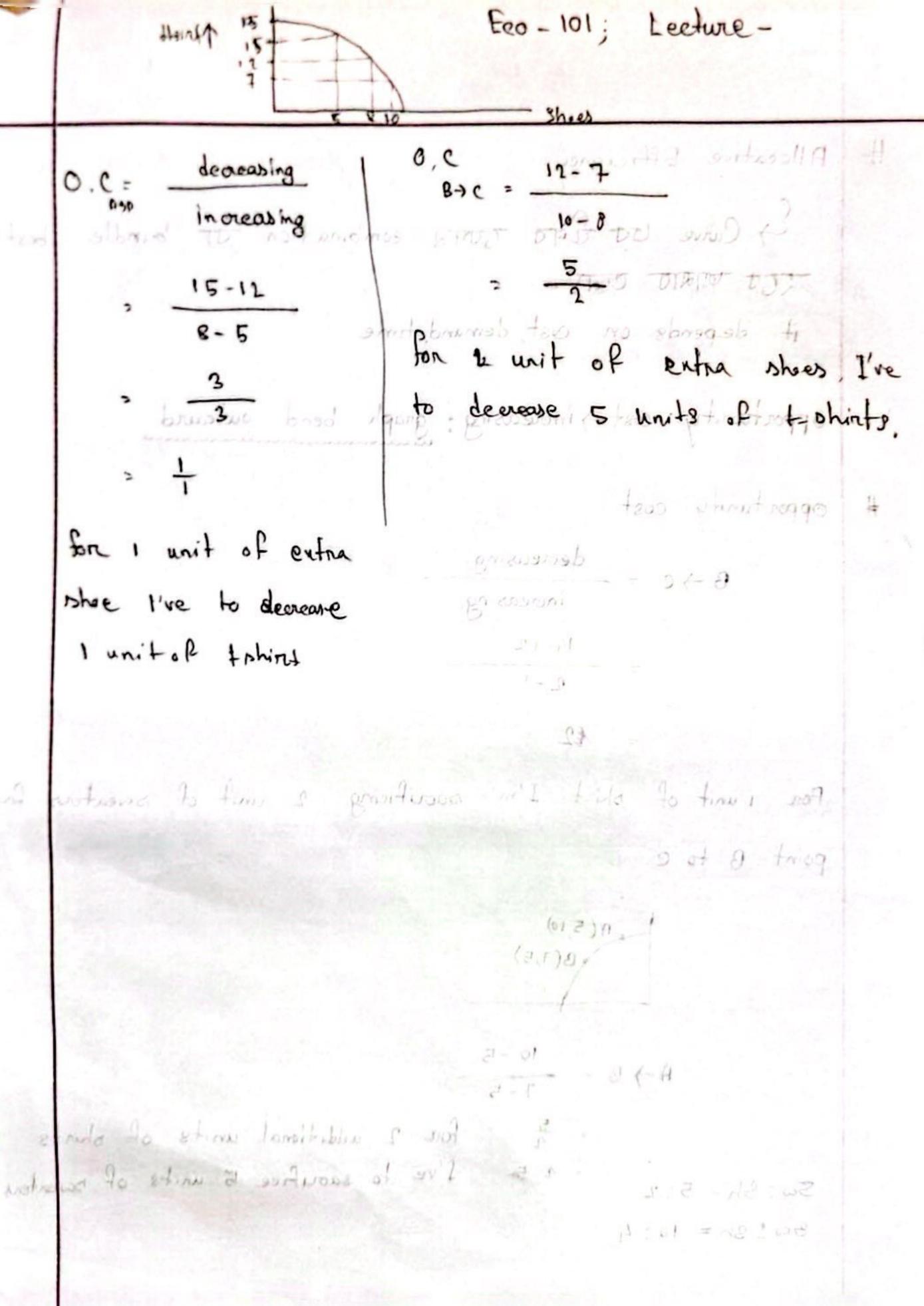
= 15 I've to savifice 5 units of sweatons

AMERICA ST SWI BOND

Andal datore 1

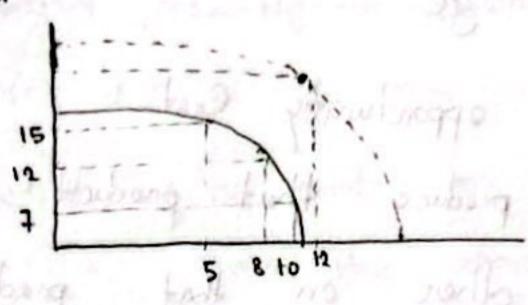
Sw: Sh = 5:2

80: Sh= 10:4



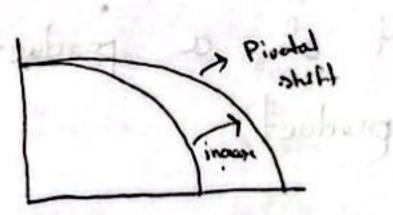
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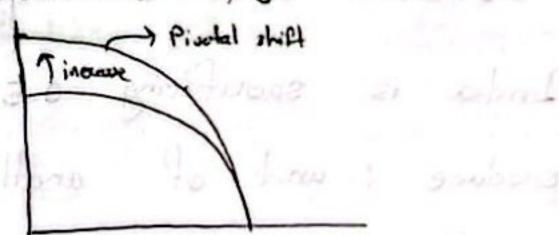
Parallel effect



other factors (resonce) - VITIGATO TOGA TEST Production 6060

वा क्षाद्व व साविव Production TIEGO factors - wa asial a





Absolute Advantage

G Proposed by Adan smith

With the same resources, who produces the same product more has Absolute Advantage on that product.

4 It depends on the volume of the product · But it doesn't allow to trade.

Comparative Advantage

Es Focuses on opportunity Cost

· Country should produce that product which has lower

20 soutsel 101-003.

O. e than other on that product boog to the To Dat Till The Total and ou witho

China - 0.8 o.e means India has to sacrufice India - 0.5 o.c. less compared to China.

India is sacrificing 0.5 unit of a product to produce I unit of another product:

Japan	Shirt	shes
	200	100
BD	80	100

Formalel eller

0.0 of Japan for pruducing Shirt =
$$\frac{100}{200}$$
 = $\frac{1}{200}$ = $\frac{1}{2}$ = 0.0 o.e of " " Shoes = $\frac{200}{100}$ = 2

0.0 " BD " " Shirt = $\frac{100}{80}$ = 1.25

o,e of " " Shoes =
$$\frac{200}{100}$$
 = 2

$$0.c$$
 " BD " $SLint = \frac{100}{80} = 1.25$

Shirt Comparative Advantage - Japan

Shoe " - BiD

if both are same: no country has comparative advantage over the other.

As Jopan has comparative advantage on shirt production, Japan should only produce shirt

locor O.P = Comparative Advantage

- 1) Absolut advantage in Pencil!
- On Componetia advantage in Pen?
- => India 5 min - 5 Pen . 10 min - 2 Pencil 11 min - 1 Pen . 1 min - 2 Pencil = 1 Pen . 0.2 Pencil

= abboulut = India

· absolut advantage trade un operto oca 14

0.0 of Pen of the for Pencil =
$$\frac{0.9}{1.25}$$
 = 0.9

0.0 of Pen of $\frac{1}{100}$ = $\frac{1}{0.9}$ = 1.25

0.0 of Pen of $\frac{1}{100}$ = $\frac{0.714}{0.67}$ = 1.06:

0.0 of Pencil ... = $\frac{0.67}{0.714}$ = 0.938

and deputy the total the special deliverage of the second of the Comparative advantage of Pen = India Comparative advantage of Peneil- us A

> 1 -1 -1 x 9 pt non plant

> > I Alsold I Alsold D

Court or there are the same

10-14 FD E-

- Deposit - FAMILY DE -

violation out seeds is a solution

A 231

ment per c

Eco- 101 ; Lecture - 03

Company & Produces 5 PCs in 1.5 min on 10 tabs in 2 min
Company y , 7 Pc, s in 3 min on 10 tabs in 3.5 min

1.5 min = 5 PC 3 min = 7 P.C
1 min =
$$\frac{5}{1.5}$$
 = 333 PC 1 min - $\frac{1}{3}$ = 2.33 P.C
2 min = 10 tab 3.5 min = 10 tab
1 min = $\frac{10}{2}$ = 5 | 1 min = $\frac{10}{35}$ = 2.857 tab

so, absorbut advantage in Pe = 4 1

oc of M is lower than comy means Company M has to sacrifice lower amount of PC for entrice units of tab production. So, Comporative advantage of X for tab 18 better, as M has to sacrifice occolourity of PC for 1 unit of extra tab and y how to racrifice or PIS unit of P.C for 1 unit of extra tab

ECO- 101 : Leeture - 03

1.5 min = 5 PC 3 min = 7 PC

1 min =
$$\frac{5}{15}$$
 = 333 PC 1 min = $\frac{2}{3}$ = 2.33 P.C

2 min = 10 te6 3.5 min = 10 te6

2 min = 10 feb

1 min =
$$\frac{10}{2}$$
 = 5

1 min = $\frac{10}{35}$ = 2.057 feb

TVC

nos to sacrifice lower amount of PC Ax entroc units of hab production. So, Comparative advantage of X for tab 18 better on X has to socrifice o GGG units of PC for 1 unit of extra tab and y how to racrifice o PIS unit of P.C for 1 unit of extra tab Demand and Supply

Sunt on desine in general

是是 100 mm 100

- 1 Willingness to pay
- 1 It must be affordable. Affordability

programme and the

both affordability and will to pay is necessary.

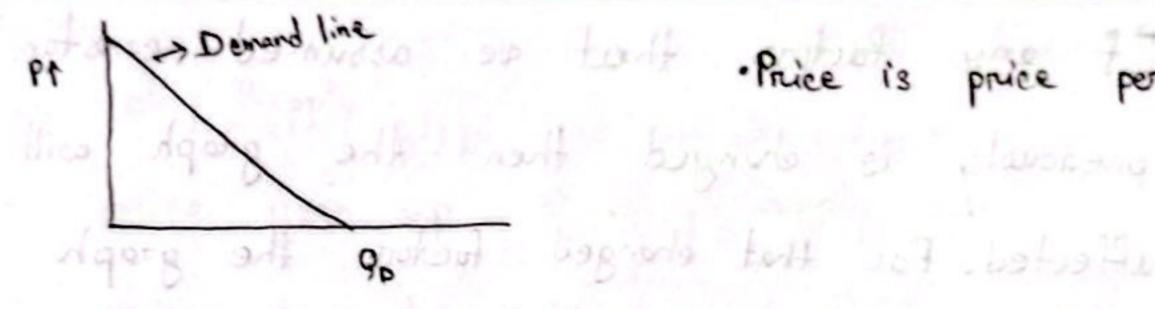
(11) Time: over time demand changes

price of a product goes up Quantity demand

E = DY MI PROFESORD PANNESSO (DE

If the price of a parduet goes down quantity demand increases

Cetoris Paribus " Having all other factor constan



· Pruice is pruice per unit

9d 100 11 69+1 no Maximum willingros 15 15 20 15 Demand line + movement along the curve /line (for ent) 20 15 20 25 mm gp

If price per unit increase from 15 to 20, the quantity demand will decrease 5 units

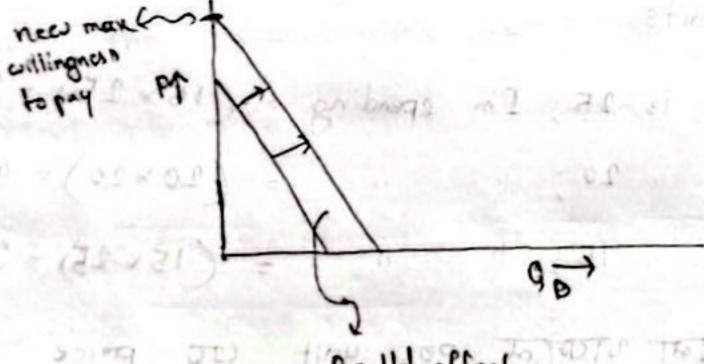
when Price per unit is 25; I'm spending = $(15 \times 25) = 375$ when " " 20; " = $(20 \times 20) = 400$

price vot vrooted por unit wo

· If any factors that we assumed constant previously is changed then the graph will be affected. For that changed factor, the graph will be shifted. It can be either positive shift on negative shift.

1 Population : 1 Natural Disastor 1 Similar Audust 1 Reference Weather @ Income @ Avaiability

If I earn more my willingness to pay increases. That takes the graph up



Parallel effect

Supply

Laco of Supply

If proice goes up Quantity Supply goes up

If proice goes down Quantity Supply goes down

PT 15

Supply line

calllingless to

sell

25 93

101-011

Factors/ Determinants:

@ alaa availability of now material @ labor cost @ Cost production

· Manuer programmy resorber to envision print Because of

ant suignus ones is appetitude un as acut toing and!

Estable ansistate proposed for present into present ingues

riggues track schools of brief in it

Tax | Subsidy

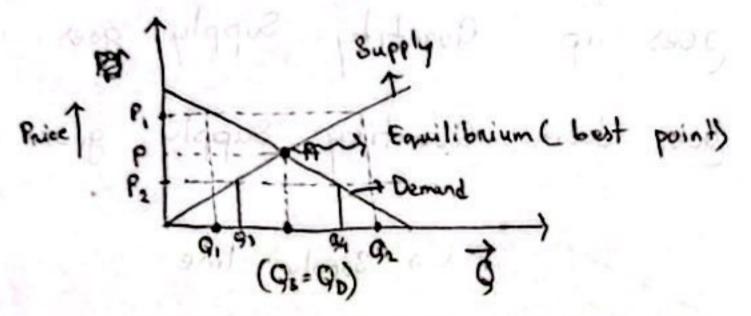
if cost production increases, su 9s decreases

if subsidy increases 9s increases

#

Market

Cry in market demand and supply interracts



at P. Point: supply is greater than demand

Sweplus | Excess Supply: 92-92

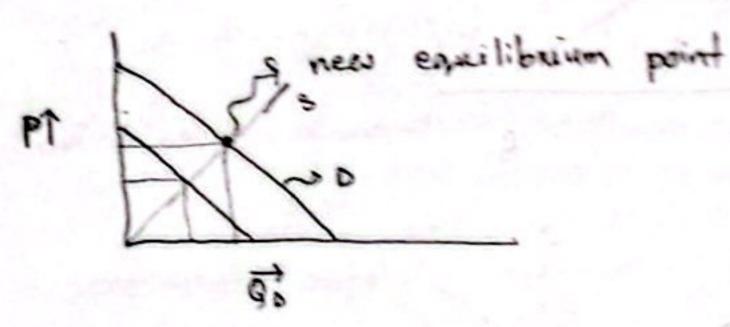
at Pr Point: demand is greator thank supply.

Shortage/ Deficit: 94-93

If the price goes up the quantity supply increases and quantity demand decreases.

- · Price soular Revenue willa asa, party frantity
- · Market eventually neaches to equalibrium point. Because at this point there is no shortage on no surplus. The supply quantity and demand quantity difference is zoro.

· Change of factors will cause shifting in graph let, if posies income goes up, demand goes up



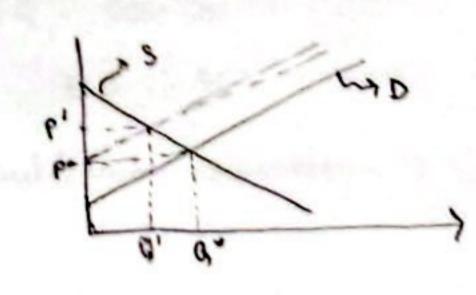
mow:

STD SLDT SDL STDL SDT STDL

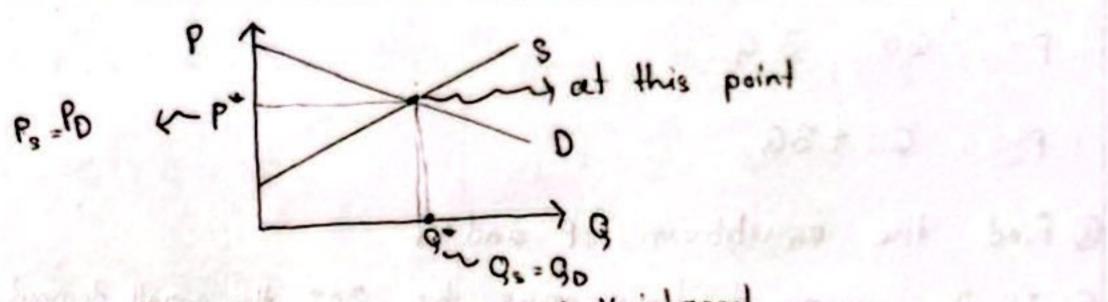
STD: 4 0') Q+

Prube will always increase but anotherly & many or may not ehange.

8+0:



parage the arteface to agree of PT P. go are among to tal P Trupp work ? q. STDT ware 7070 113 -4010 713 90 + 96' 10 43 112 1015 143 87 DT 018 4>4



S, D line based on: y = mx +e ~ 7 4- intercent
slope

m -> (+): it represents supply: I'm -> (-): it responsents demand: Fi

B= t(B)

P= 100 - 49 ~ demand function as nightire slope.

P= 20+ 29 -> supply function as positive slope.

at equilbrium; Supply = Demand
... Pp = Ps

100 - 49 = 20 + 29

=> 69 = 4A0 80

Q - 12 13.367

Equilibrium quantity = 13.367

P = 100 - 4x (13.367)

= 100- 26.

= 46.73 Te/unit.

14

- 1) Find the equibbrium P and 9
- 1 If the income level increases by 307, the arnall demand is positively affected by 107, assume a parallel effect.

(now find P when, Q D = 9 From ()

@ Find the equilibrium P and g after change in that income.

=>

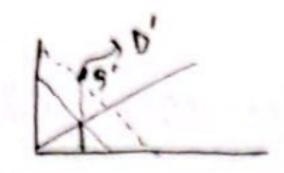
> 33

P = 33 unit . 9 = 9 unit

6. 07. 107. 60-

2

nou,



100

Mary St.

2-12-2-12

white the bound of the same

melding extends a mandi with the

· And Barrier Barrier

P=70-29

OF IF the market price is at 35 th /mit

-) @ is the market at equilibrium

O II not, what problem would arise in market

P = 70 - 29 = 20139

=) 5q = 50

3 59 =50

9 = 10

: P = 70 - 20

- 50

Pr. Ps = 50 H / unit ; 197

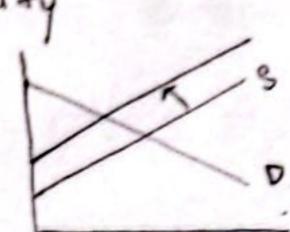
not at equilibrium

91 - 17.25 . 91 . 5

3)9, quantity demand is greater than quantity supply. Su, therers a shortage problem wil

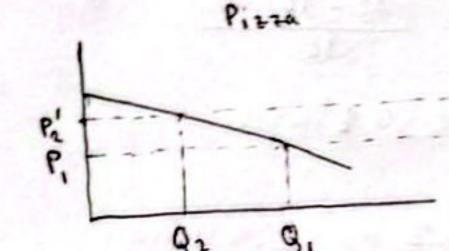
(17:25-5) = 12.25 unit.

Flasticity



the impact of change in one sector on another sector is

elasticity 2 3lope/gradient



Medene

Elasticityman Responde of price change

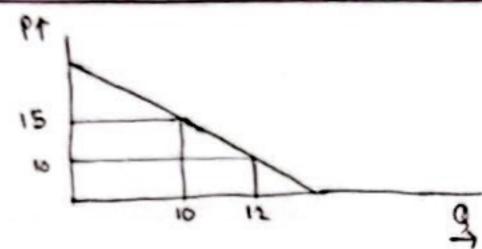
Price Elasticity of Demand (PED)

Grany change oin price effects the quantity level

PED = DP

of effect of price change on quantity

$$\Delta P = \frac{P_2 - P_1}{P_1}$$



$$\Delta P = \frac{P_2 - P_1}{P_1}$$
 $= \frac{10 - 15}{15}$
 $= 0.2$

$$PED = \frac{\Delta 9}{\Delta P} = \frac{0.2}{-0.33} \times 1007.$$
= -60.7 \frac{7}{4}

PED is always negative.

30, ese ignone the sign. Inthates just direction. Good

· Hore PED has two values. But PED on slope will be same. Having two different value is inconsistancy.

The problem happons because of P1 and Q1 as P, Q, has different values.

absolut will be taken just for PED

$$PED = \frac{\Delta Q}{\Delta P} = \frac{\frac{Q_1 - Q_1}{Q_1 + Q_1}}{\frac{P_2 - P_1}{P_1 + P_1}}$$

$$\Delta G = \frac{G_2 - G_1}{G_2 + G_1/2} = \frac{12 - 10}{(12 + 10)/2} = 0.182$$

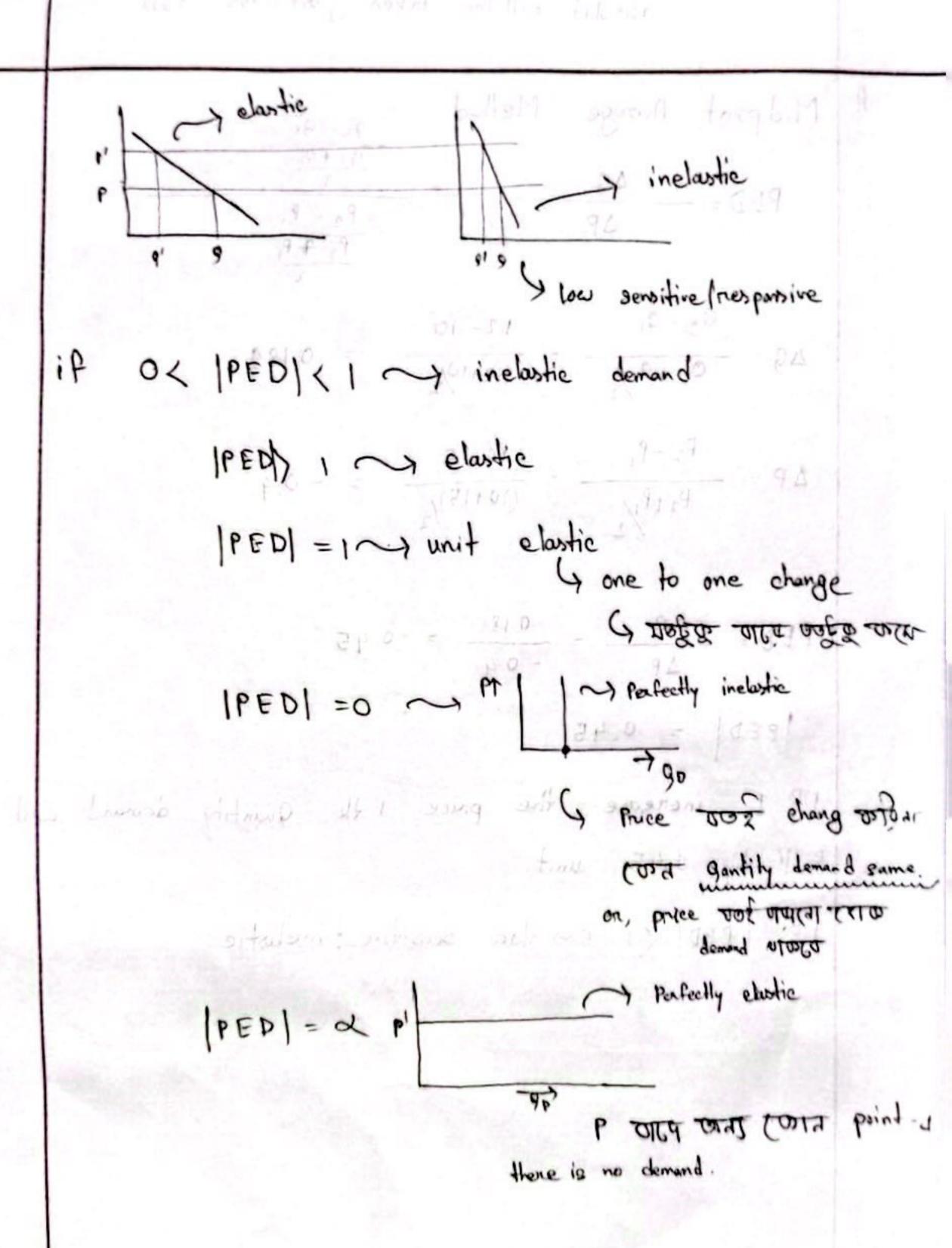
$$\Delta P = \frac{P_2 - P_1}{P_2 + P_1/2} = \frac{10 - 15}{(10 + 15)/2} = -0.4$$

$$PED = \frac{\Delta 9}{\Delta P} = \frac{0.18}{-0.4} = -0.45$$

If I increase the price 1 the quantity demand will fall by 0,45 unit.

If | PED | <1 m bew sensitive: inebustic

comme - I wish



```
Producer can sell based or,
      P = 100
     g =100
Total Revenue = 1002100 - 10000
 PT 20%; got 10%.
  P = 100+ 100x 20
     >120
   9 = 100 - 1002 10
      = 90
   total nevenue - 120290
                            y inelastic
                                 4 if the demand is elinebutie
               2 10,800
                                    the nevenue will be more.
@ PT W7; 90+217.
    P = 100+10
          100 - 100 2 20
           revenue =
                    110×5.
```

8800