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1) when price of a good is \$\overline{1}3\$ per writ, the consumer buys 11 writ of that good when price 4 ruses to \$\overline{15}\$ per writ, the consumer price 4 ruses to buy buy 11 writs. Calculate price continues to buy buy 11 writs. Calculate price of Elastruity of demand

gwen that

PI = \( \mathcal{\pi} 13 \), \( P\_2 = \mathcal{\pi} 15 \)

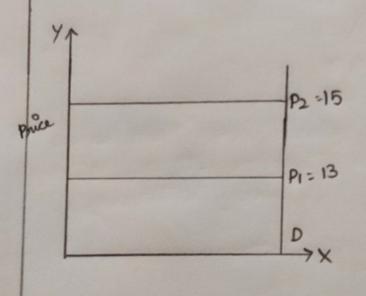
QI = II, \( Q\_2 = Q\_2 = 11 \)

AP=P2-P1 AQ=Q2-Q1

(Fd=PI x Aa )=>

Ed=(13 x 2)=0

Porfectly Inelastic demand



The demand remains constand whatever the price may be

Price vs demand

az gives that

PI= = 12 , Q1= 24 P2 = 714, Q2 = 20 find price elastiaty of demand?

AQ=Q2-Q, EP=P X AQ AP= P2-P1 EP=12×(=4)=(1)(=2)=-1

Relatively Inelastic demand

(3) gives that

Let change in demand = 0.50 Change is income =0.75

ed = 0.50 - 2 0.75 3

[ed = 0.6667

ay gives that

7 increase in income = { 50000-30,000 } 12

20000 = 20000 (80000)/2 40000 -1 =50%

-> percentage increase en demand of cars

=600,000-450,000 C600,000+459,000)/2

2150,000 = 28.58% 525,000

-> percentage of increase in Bures

= (7000-10,000)

213000 2 -3000 2 -035,29%

(7) increase inelasity of demand of cord ed = 28.57/100 = 0.57:57%.

Invæse elasitivity a demand of buses ed = -35.29/100 =-0.71 } = -71%

-> car is normal good because ed >0

-> Buses in interior good because edc

find oross elasticity

guen

D'income = 120/

A price = 15%

cross elasticity of demand

cors cross elasticity = 4. change in quantity demand forx demand forx

= 12/100 = 12/100 15/100 = 0.67

Since the cross clasity of demand is positive; so the product x and y are Substitute goods

Do find oross - price clasticity of demand

1 price = 0.50 (Ap) A a = 24-30 = -6

0/0 A pouce = AP x 100 = 0.50 × 100 -16.67%

% Quantity = -6 x100 = -20%

cross - ed = % change in aty demanded of

% change in price of good y

 $= \frac{-200/9}{1606700} = \frac{-20}{100} = -1.20$ 16-67% 16.67

Since the cross elasticity is negative, which means both are complements product (x, y)