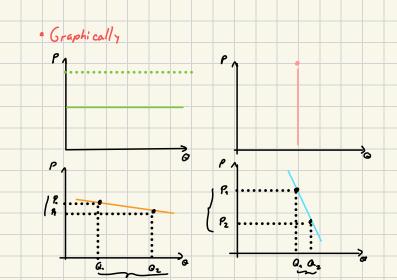
## F. LASTICITY · IDGA - Definition: How changes in Prices affect the Quantity Demanded - Inelastic Medicine =) We need to buy anyway so the quantity des not change with higher palces - Glastic: Dark chocolate => If prices for Dark chocolate increase, I can consume other types of chocolate so I am agains to consume less chocolate - Why the name is electic?

Rubber band X Bottle



Math

// 
$$\Delta Q = \frac{Q_2 - Q_2}{Q_1}$$

- Price Electicity of the Demond

|El >1 Electric

Negative

//  $\Delta Q$ 

|El <1 Inelectic

- Electricity  $\neq$  Slope

- Mid point:  $Q_1$  For  $Q_2$ ,  $P_1$  for  $P_2$ 

• What	Znf	lvences	(lesti	cities				
+	Subs	titute	Goods					
		1 Substi	tutes	1 6 lost	c			
1	<b>*</b> Se	bstitut	es for	Dark	chocolate	: Sweet	chocolete	
Peanut be	te c	checolet	٤					
,	ł Se	dstitut	rs for	medicine	: None			
	* Sp	ecific	brands					
	* N	ecessiti	es.					
	* Ti	ne						

Other Glasticities

(Cross-Price Glasticity: 7AP2

>0: 
$$\Lambda P_2 \Rightarrow \Lambda Q_1 \Rightarrow Substitutes$$

(0:  $\Lambda P_2 \Rightarrow \Lambda Q_1 \Rightarrow Substitutes$ 

Income Glasticity of the Demail: 7AI

>0:  $\Lambda I \Rightarrow \Lambda Q \Rightarrow Normal good$ 

(0:  $\Lambda I \Rightarrow \Lambda Q \Rightarrow Inferior good$ 

O: 1 => VQ => Infair goal
 Price Elasticity of the Supply: XAP

Manent 1: 
$$Q_1 = 10$$
  $P_2 = 1$   
Monent 2:  $Q_2 = 30$   $P_2 = 2$ 

Midpoint Price: 
$$\frac{z+1}{z} = 1.5$$

Quantity:  $\frac{40}{z} = 20$ 

1 = -1. S



$$\frac{1}{2}$$
  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{3}{2}$   $\frac{1}{2}$ 

Midpoint: 
$$\rho: \frac{6+\alpha}{2} = S$$
 Q:  $\frac{12+17}{2} = \frac{36}{2}$ 

Midpoint: 
$$P: \frac{6+6}{2} = S$$
 Q:  $\frac{17+17}{2} = \frac{3!}{2}$ 

Elasticity: 
$$\left(\frac{12-17}{\frac{35}{2}}\right)$$
  $\left(\frac{4-6}{5}\right) = \frac{3}{35} \cdot \frac{5}{2} = \frac{1}{7}$ 

$$|aidpoint| P = \frac{1}{2} = 5$$

$$|aidpoint| P = \frac{1}{2}$$

$$|aidpoint| P = \frac{1}{2}$$

