

Elasticità della Domanda rispetto al Prezzo

Variazione percentuale della
quantità domandata in risposta ad
una variazione percentuale del
prezzo

Elasticità della domanda al prezzo

Variazione proporzionale della Q domandata


Variazione proporzionale del prezzo

$$\Delta Q_d \% = \frac{Q_d^2 - Q_d^1}{Q_d^1} \quad \text{Ad esempio....}$$

$$Q_d^1 = 50$$

$$Q_d^2 = 60$$

$$\Delta Q_d \% = \frac{60 - 50}{50} = 0,20 = 20\%$$


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

Ad esempio.....

$$P_1 = 4\text{€}$$

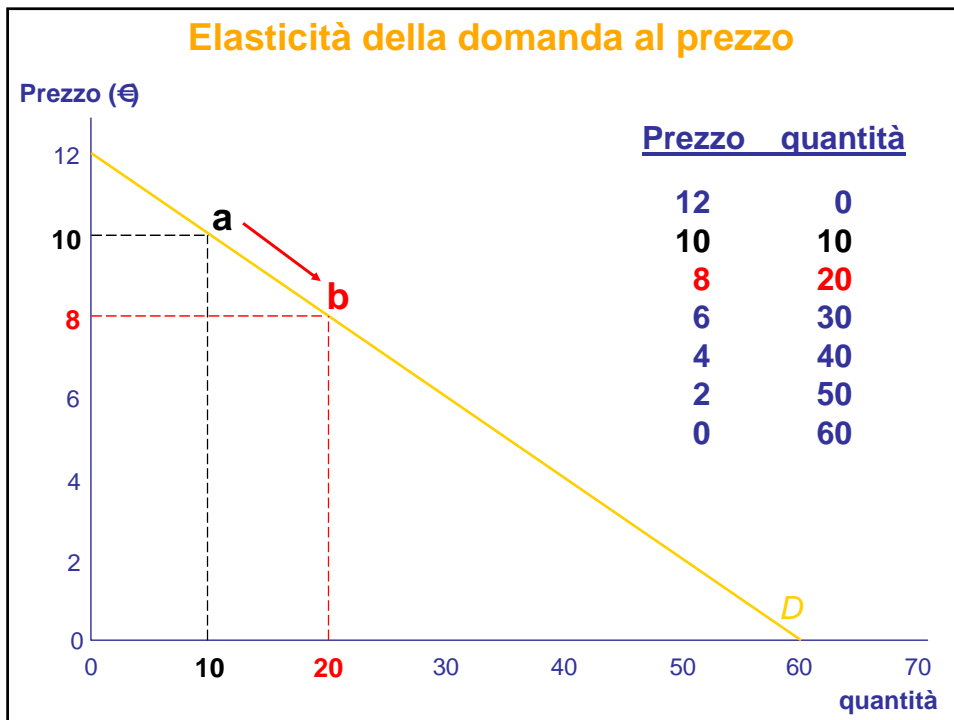
$$P_2 = 2\text{€}$$

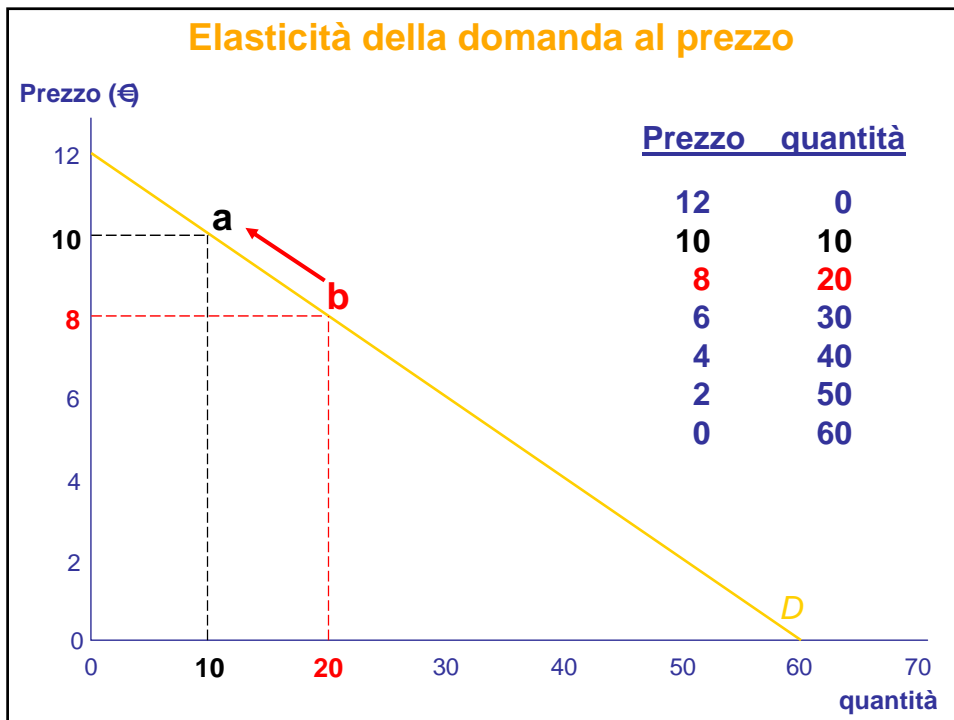
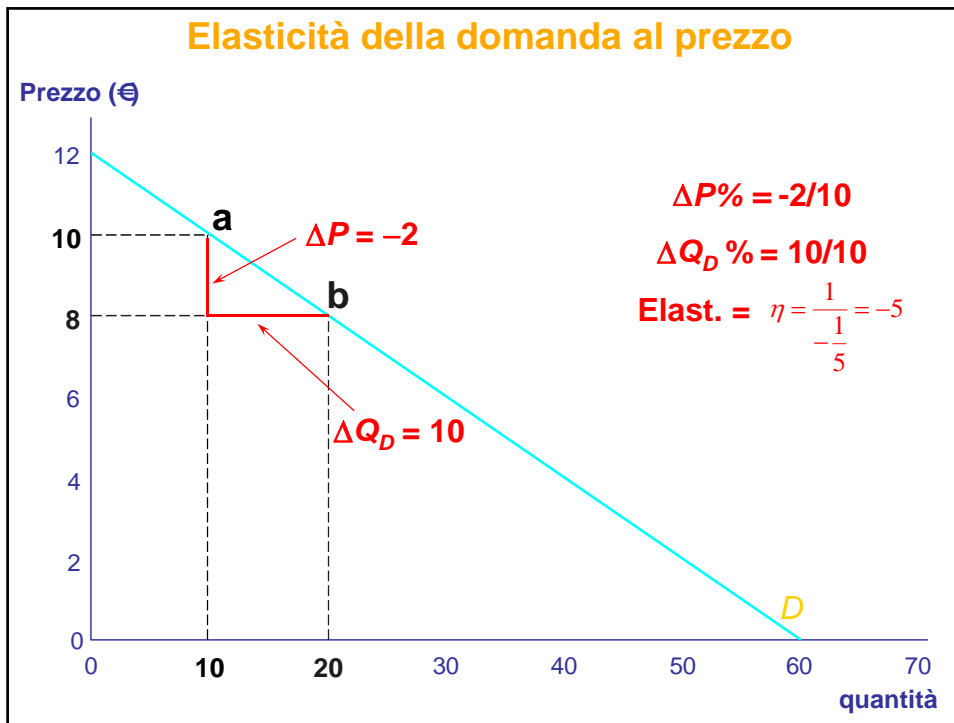
$$\Delta P\% = \frac{2 - 4}{4} = -\frac{1}{2} = -0,5 = -50\%$$

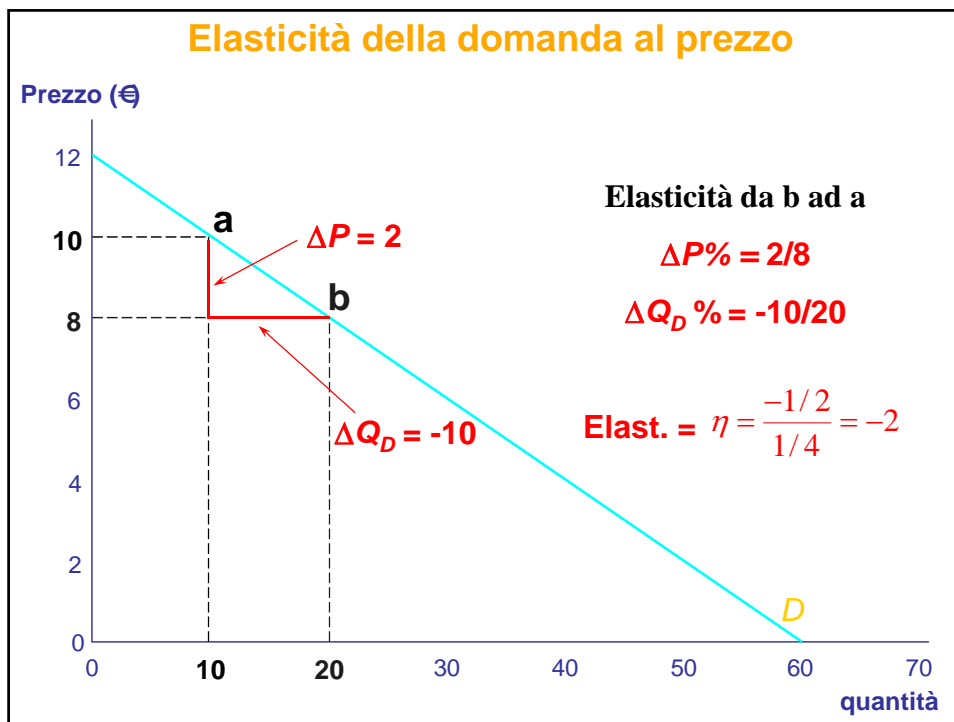
$$\text{Quindi: } \frac{\Delta Q_d\%}{\Delta P\%} = -\frac{20\%}{50\%} = -0,4$$

Elasticità della domanda al prezzo

$$\frac{\frac{\Delta Q_d}{Q_d}}{\frac{\Delta P}{P}} = \frac{\Delta Q_d}{\Delta P} \frac{P}{Q_d}$$





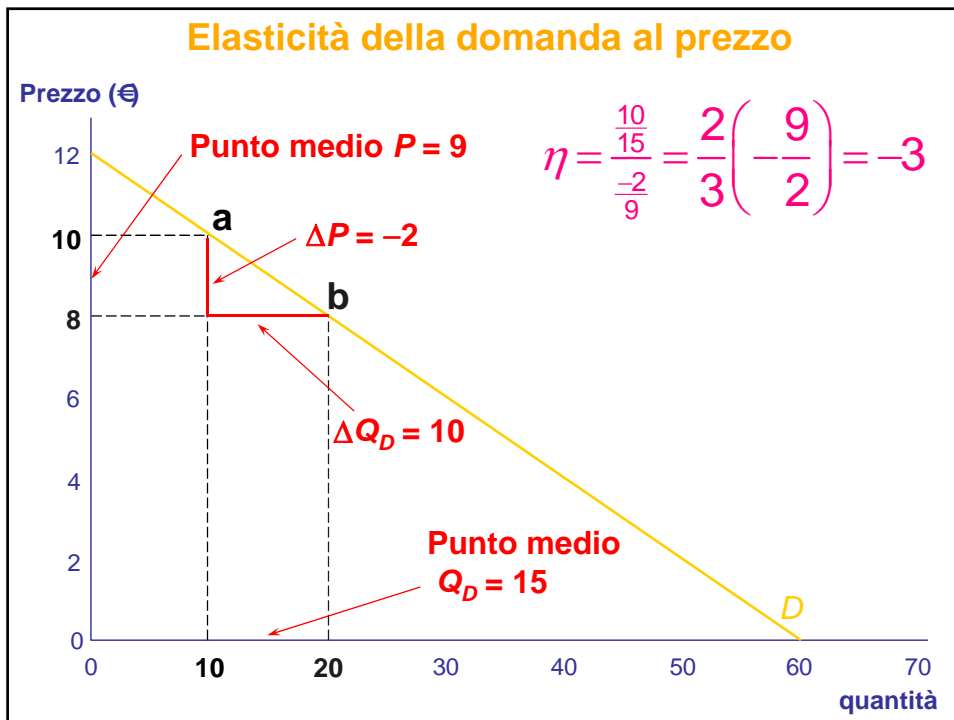
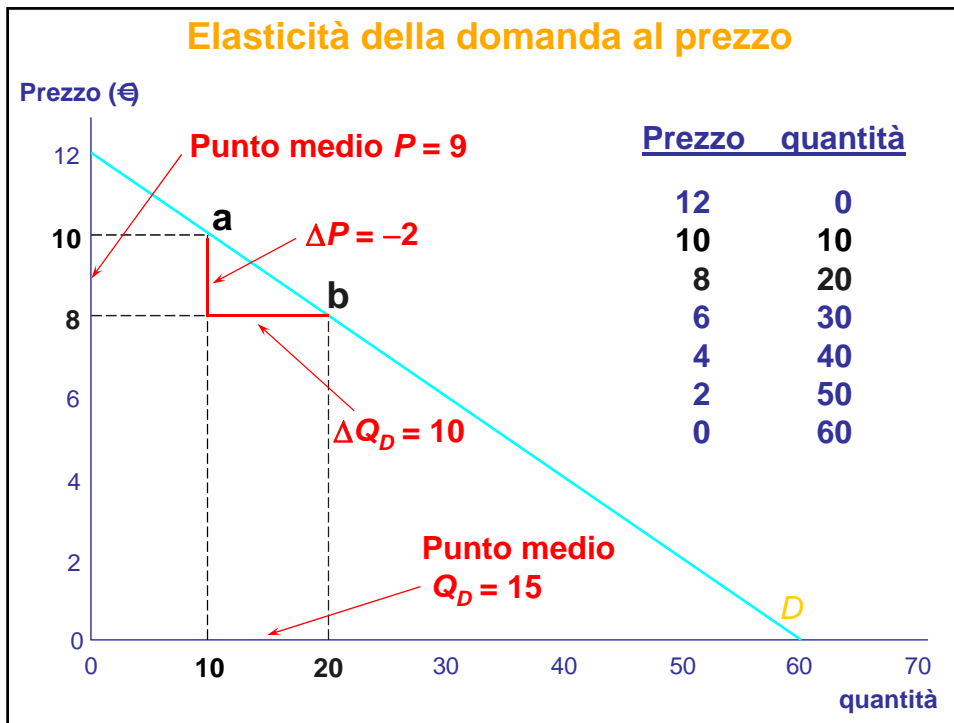


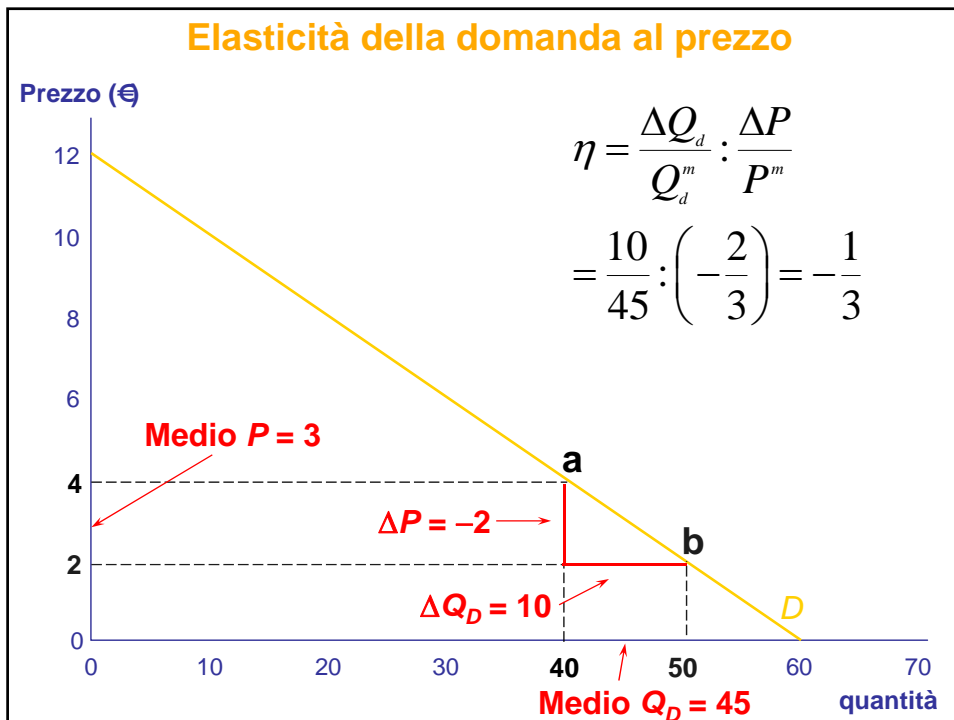
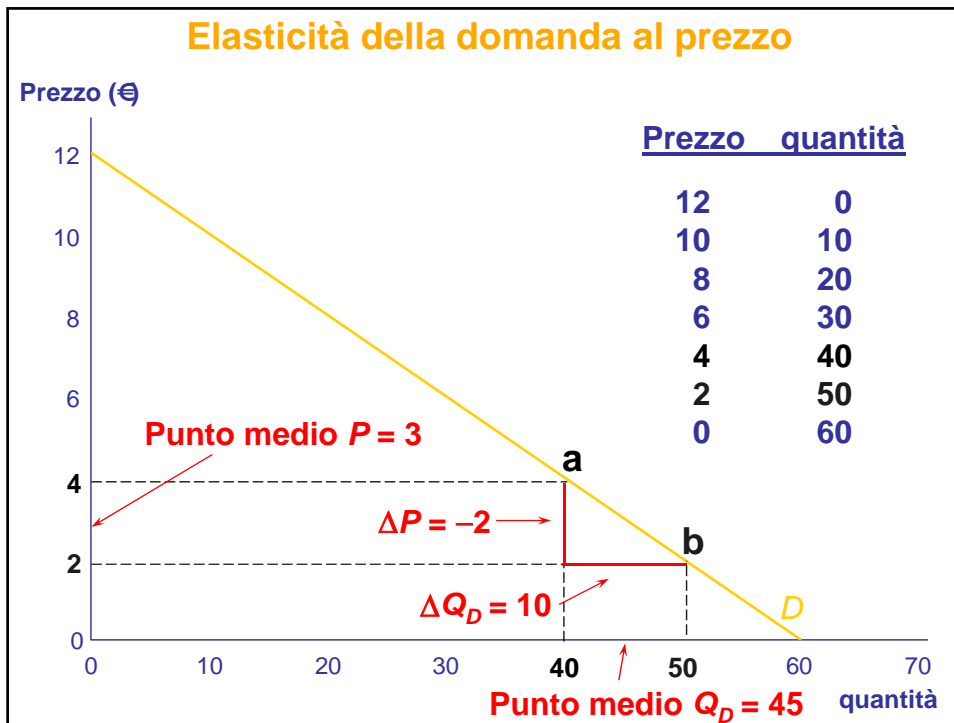
Problema

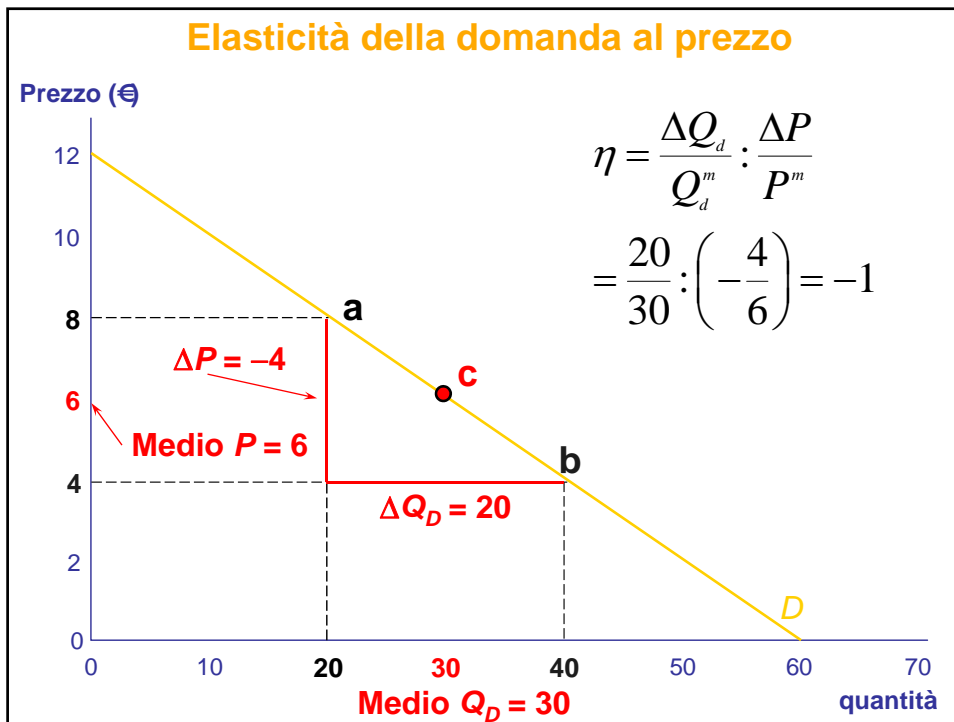
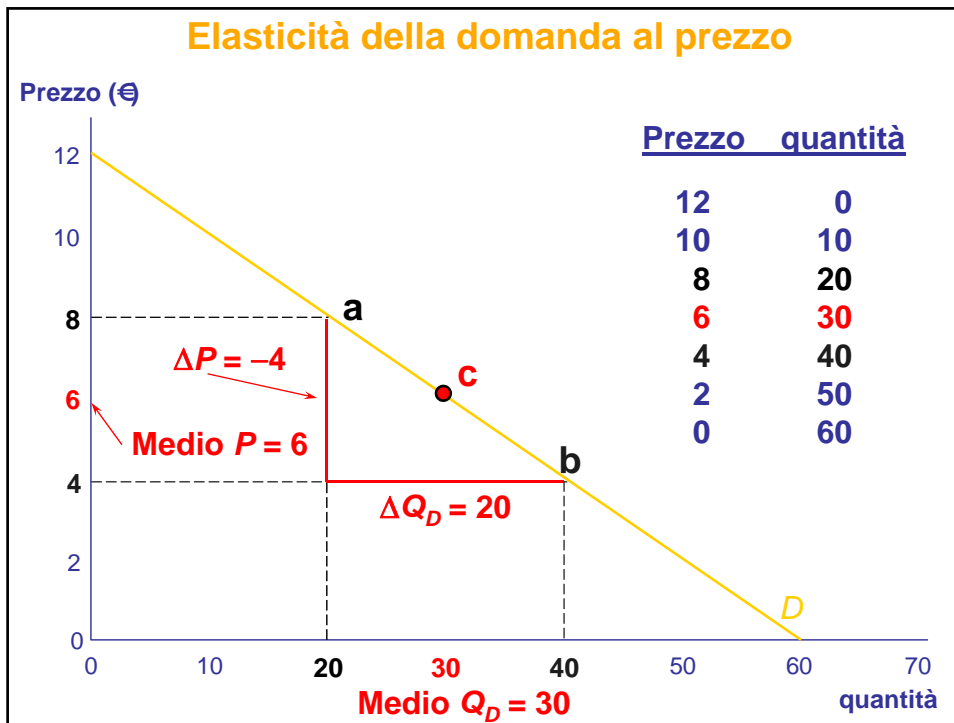
- Elasticità dal punto a al punto b = -5
- Elasticità dal punto b al punto a = -2
 - Ci serve una misura dell'elasticità invariante rispetto alla direzione prescelta
 - Uso il punto medio come riferimento

$$\Delta Q_d\% = \frac{Q_d^2 - Q_d^1}{Q_d^m}$$

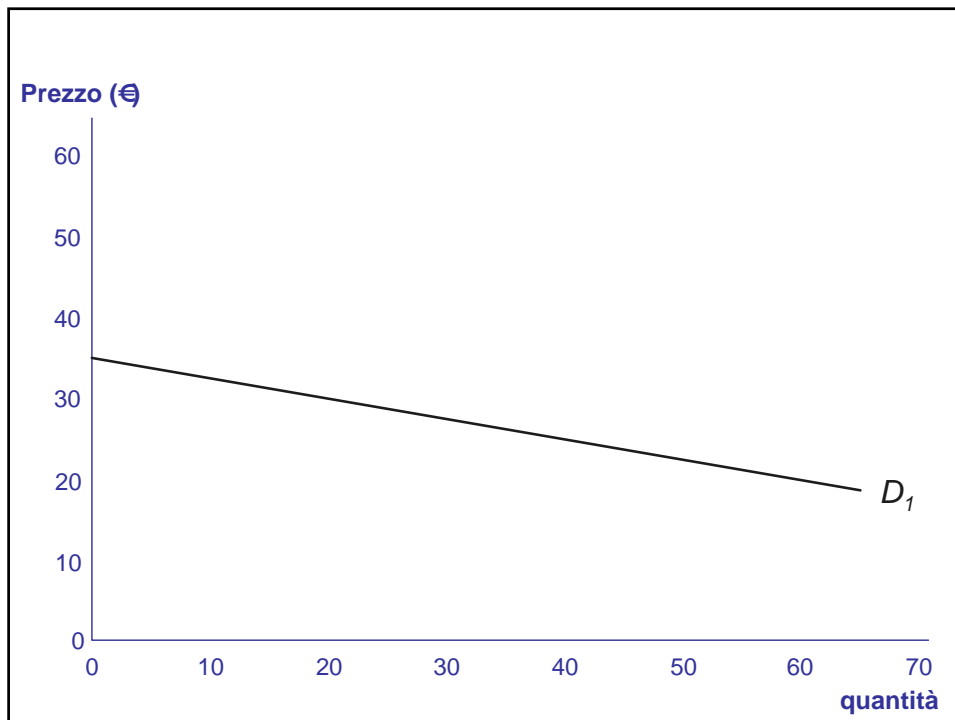
$$Q_d^m = \frac{Q_d^2 + Q_d^1}{2}$$

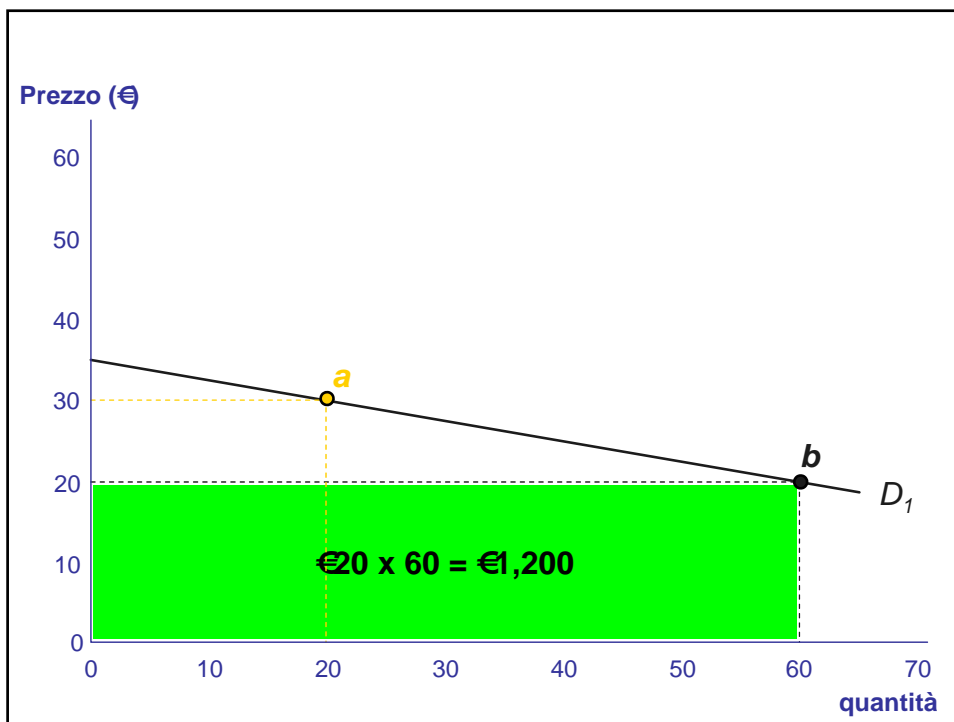
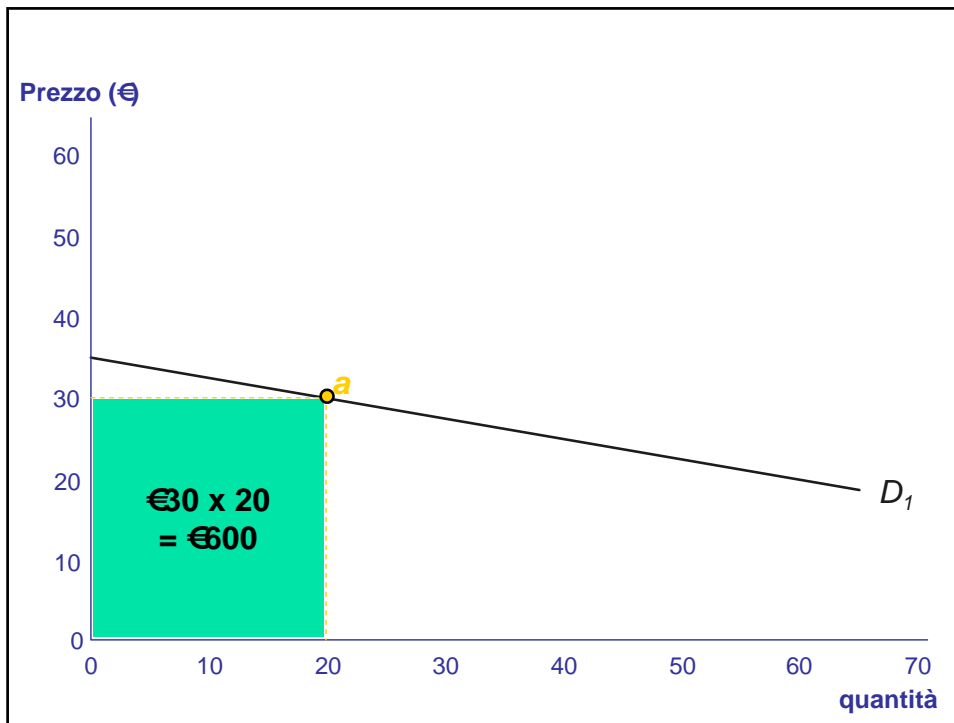


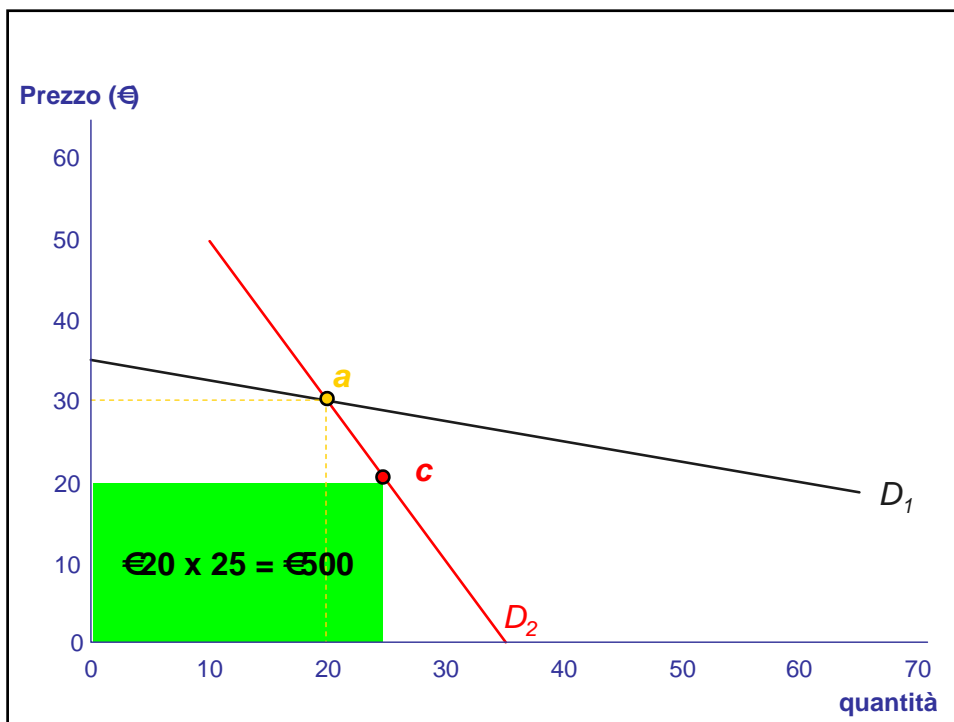
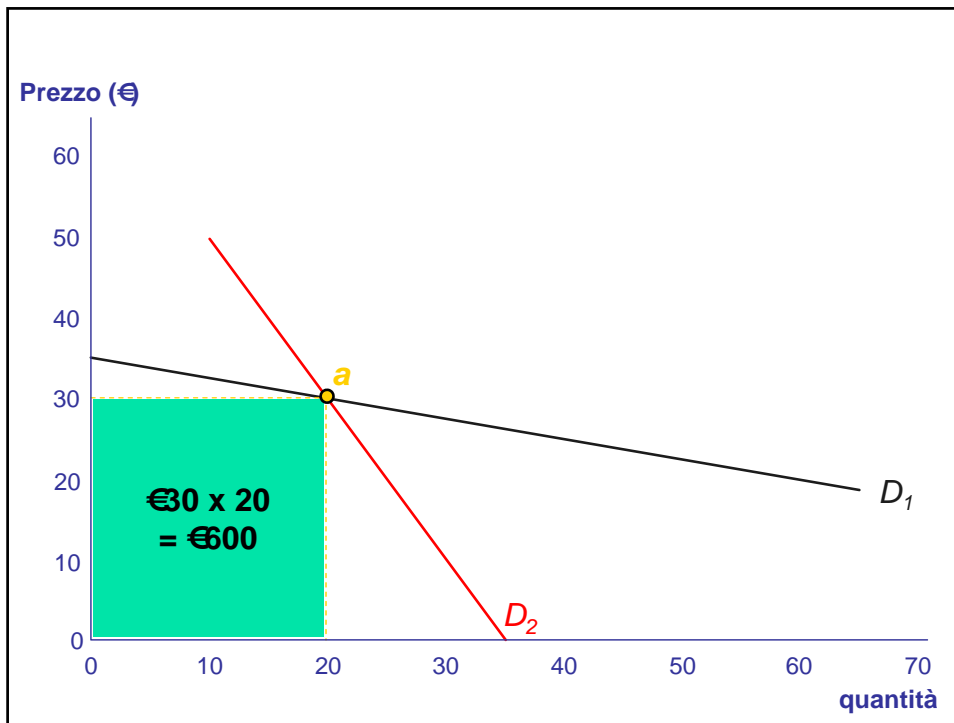




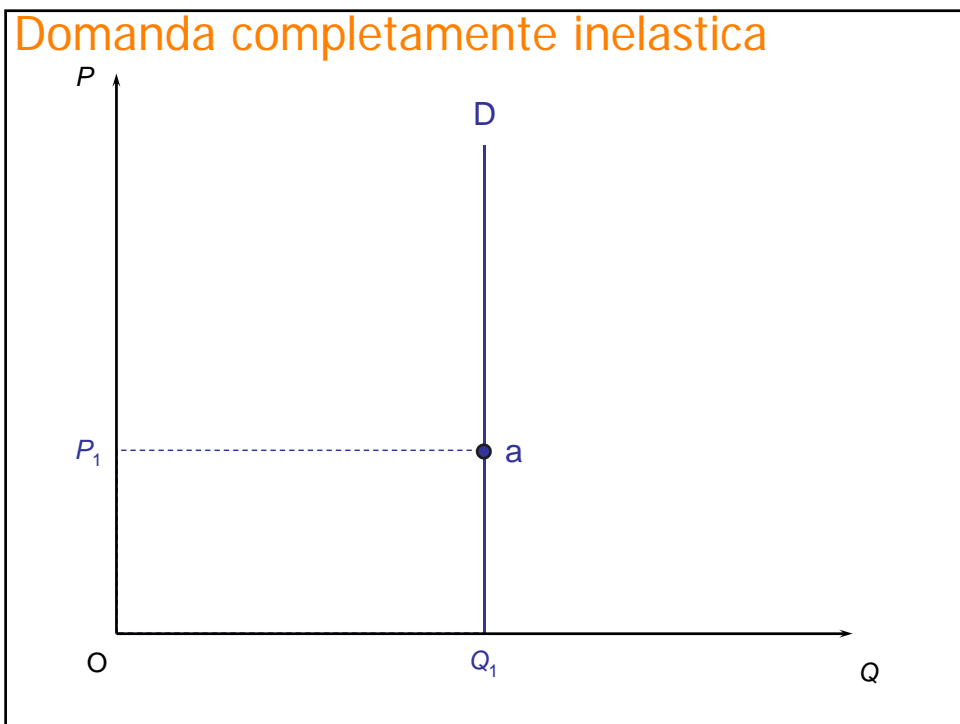
Elasticità e Spesa del consumatore



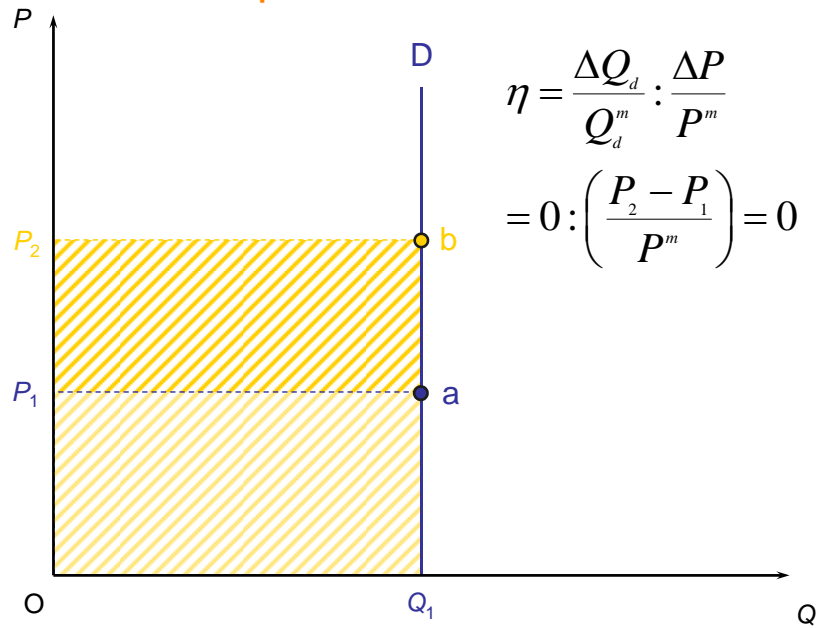




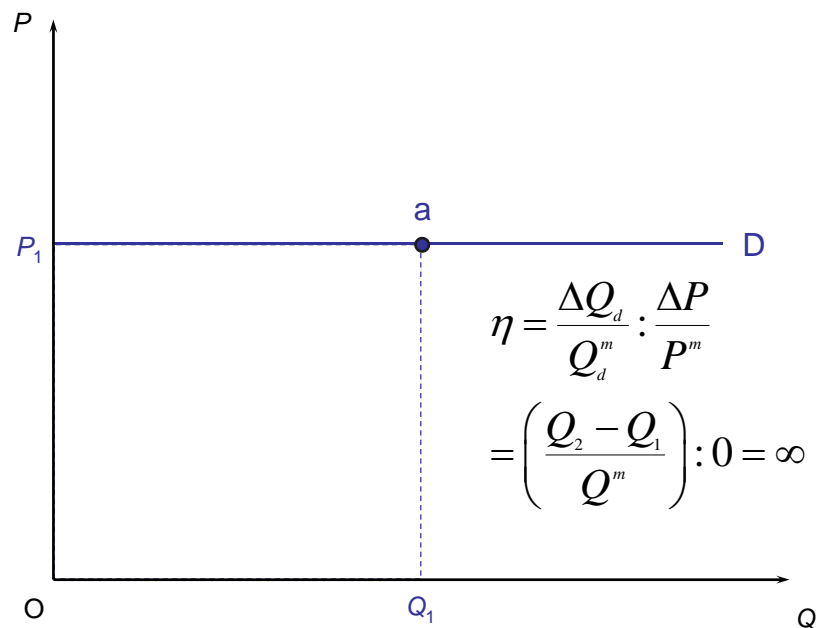
Casi particolari



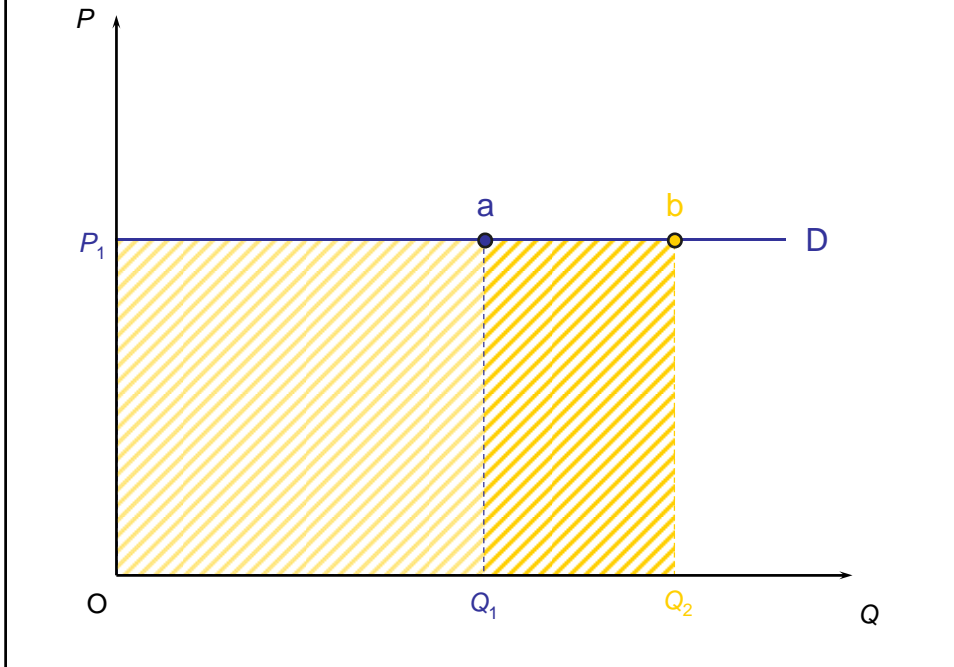
Domanda completamente inelastica



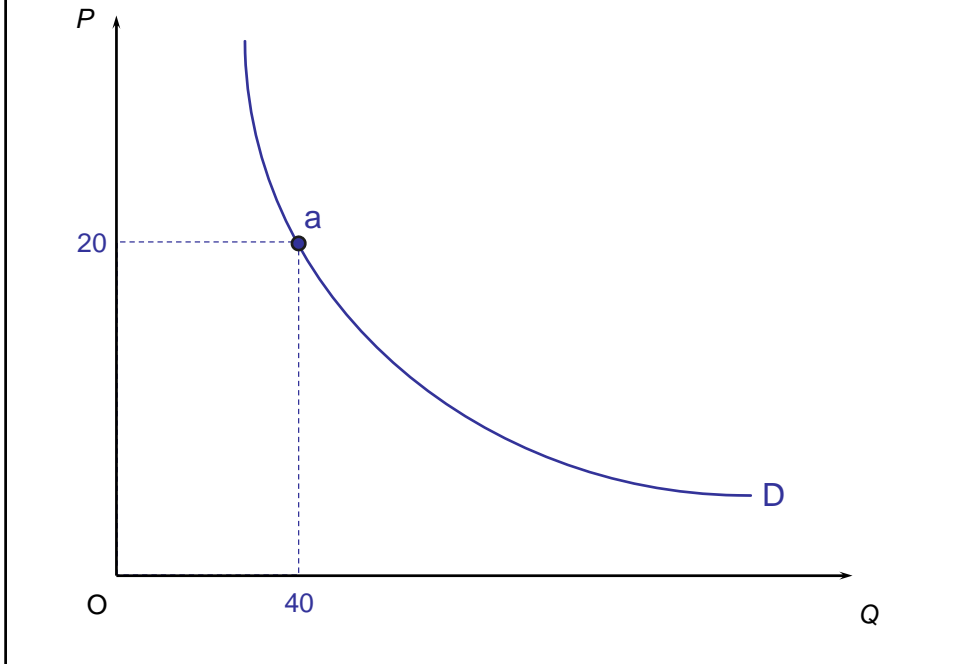
Domanda infinitamente elastica



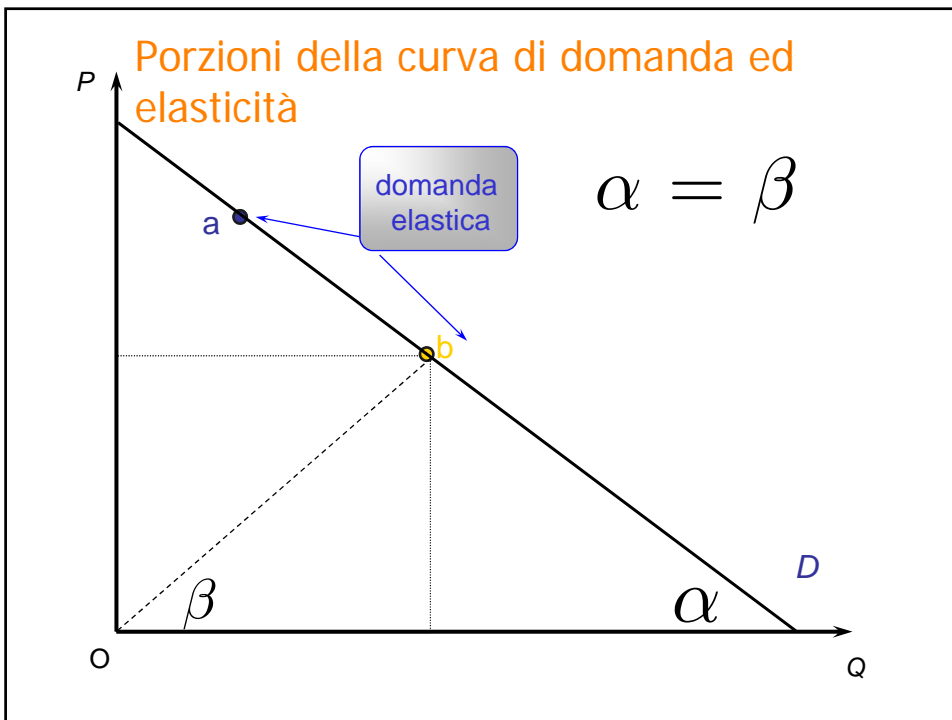
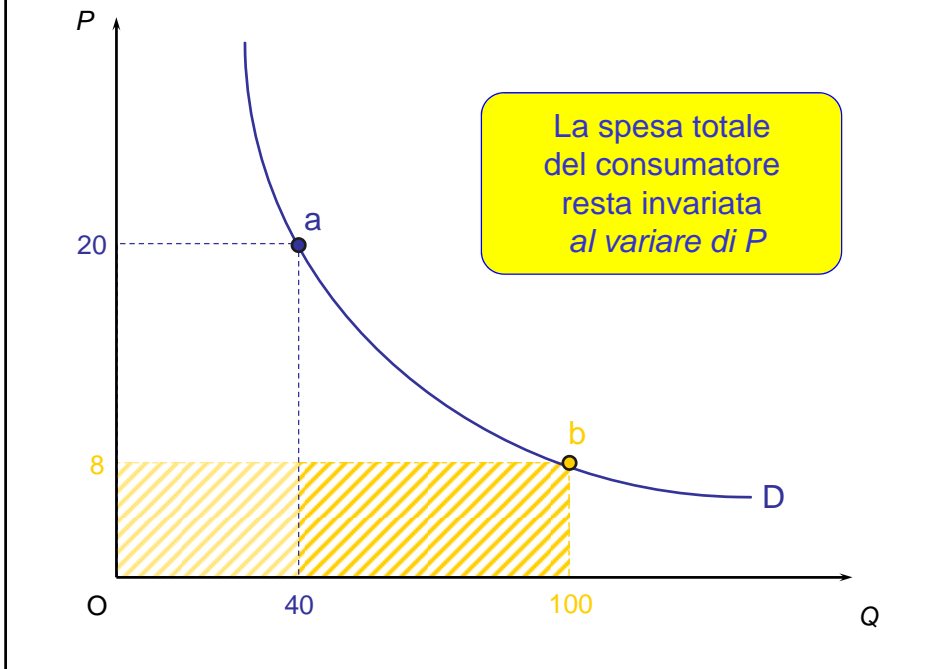
Domanda infinitamente elastica

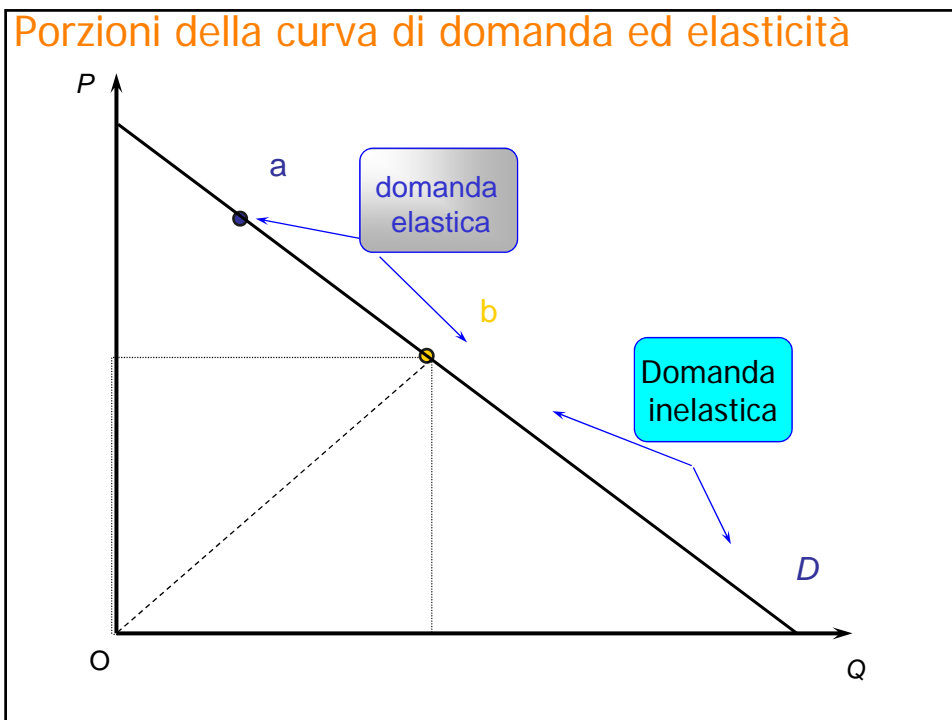


Domanda ad elasticità unitaria




Domanda ad elasticità unitaria



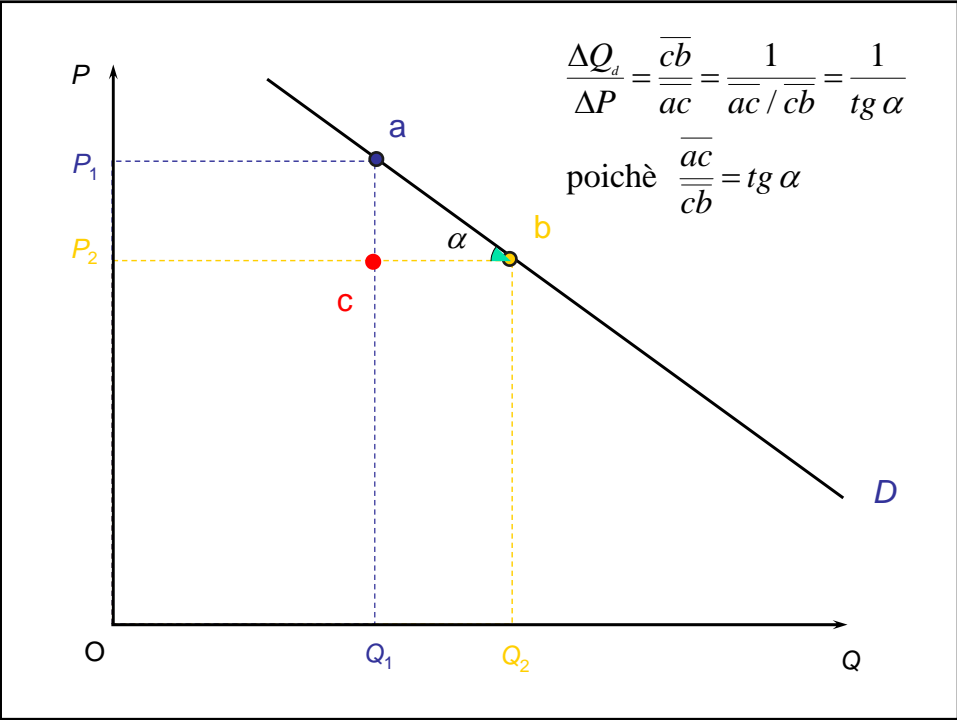


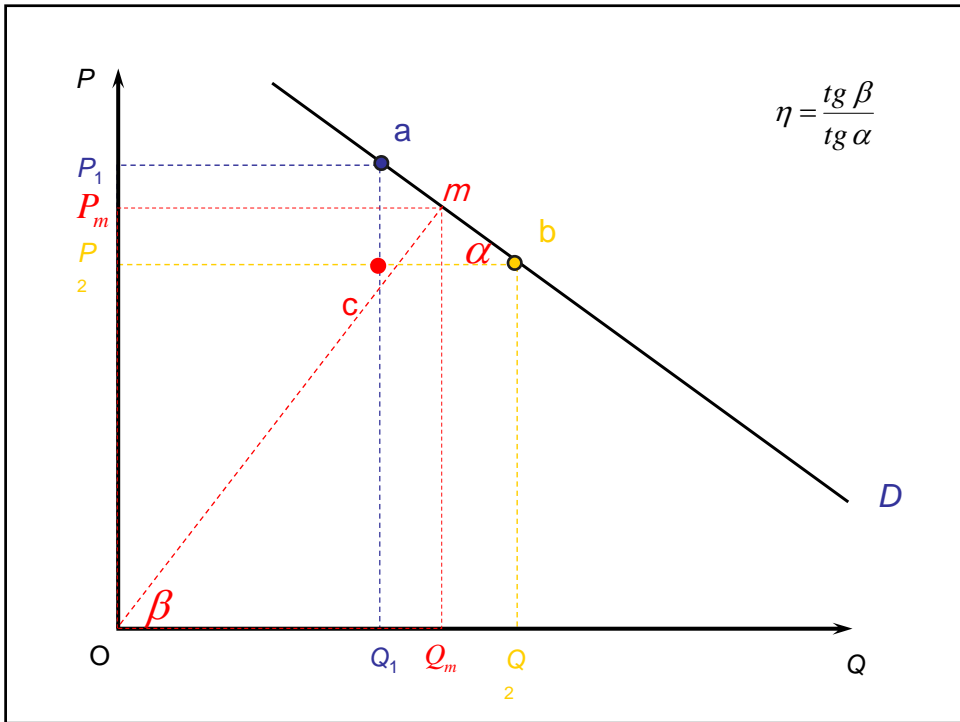
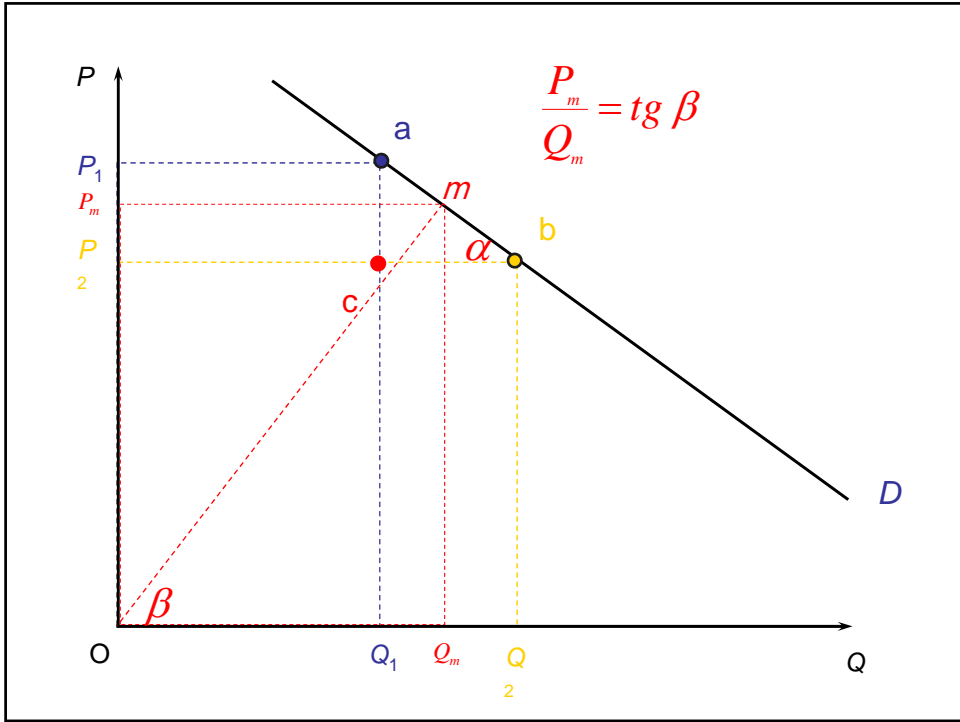
**Misurazione dell'elasticità
Col metodo dei punti**



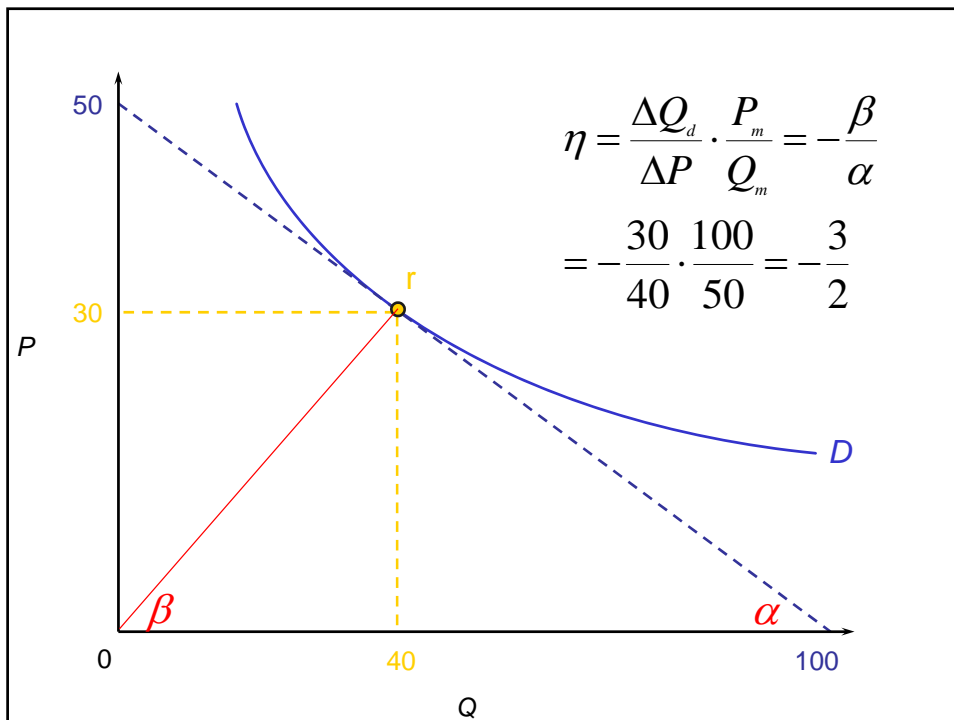
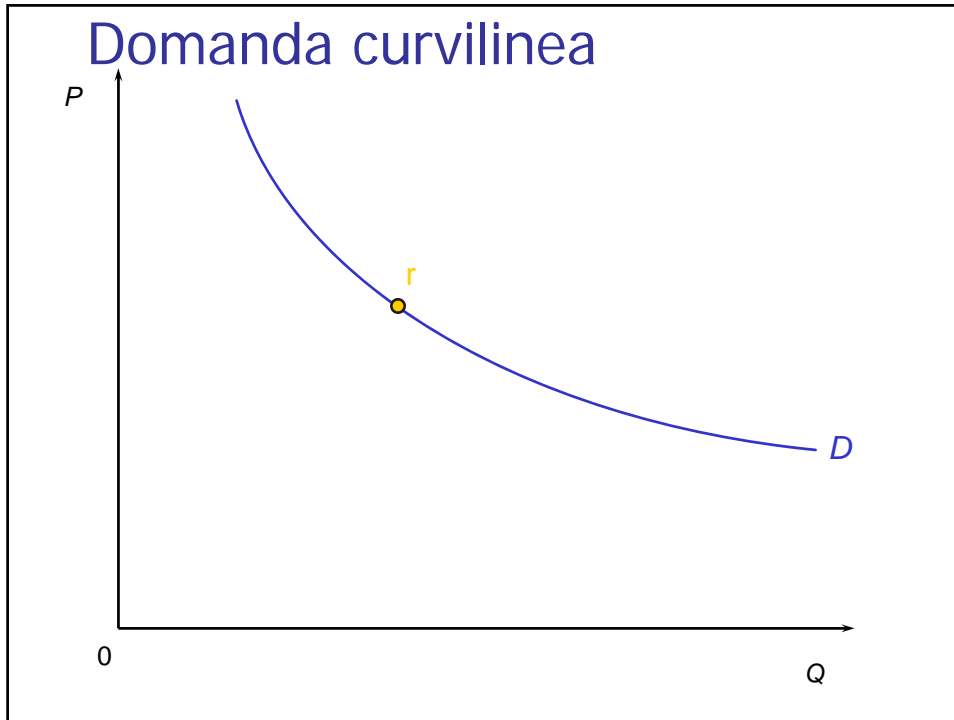
$$\eta = \frac{\Delta Q_d}{Q_m} : \frac{\Delta P}{P_m}$$

$$= \frac{\Delta Q_d}{\Delta P} \cdot \frac{P_m}{Q_m}$$

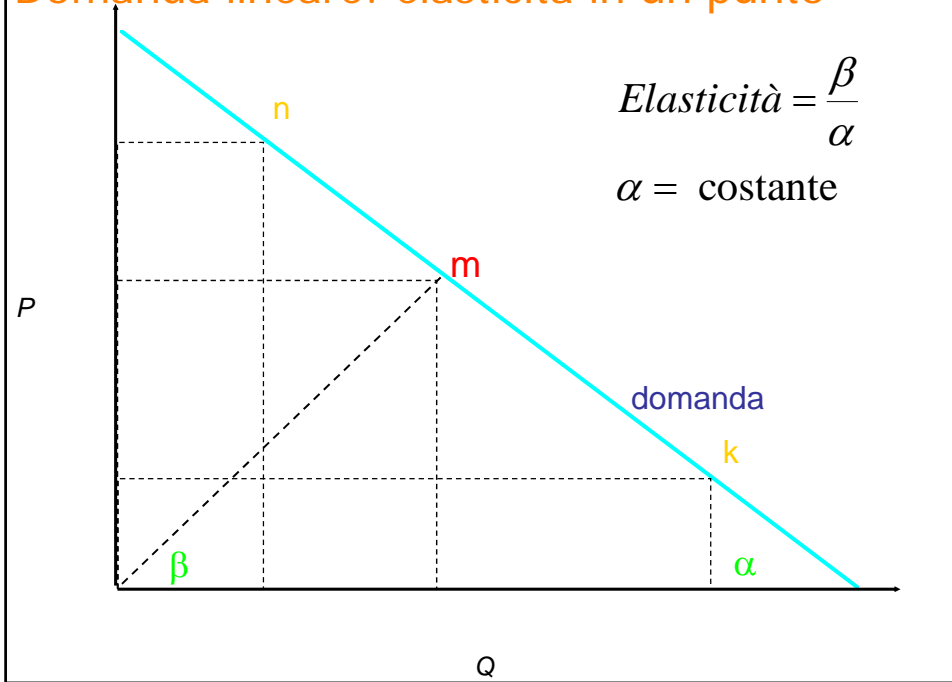




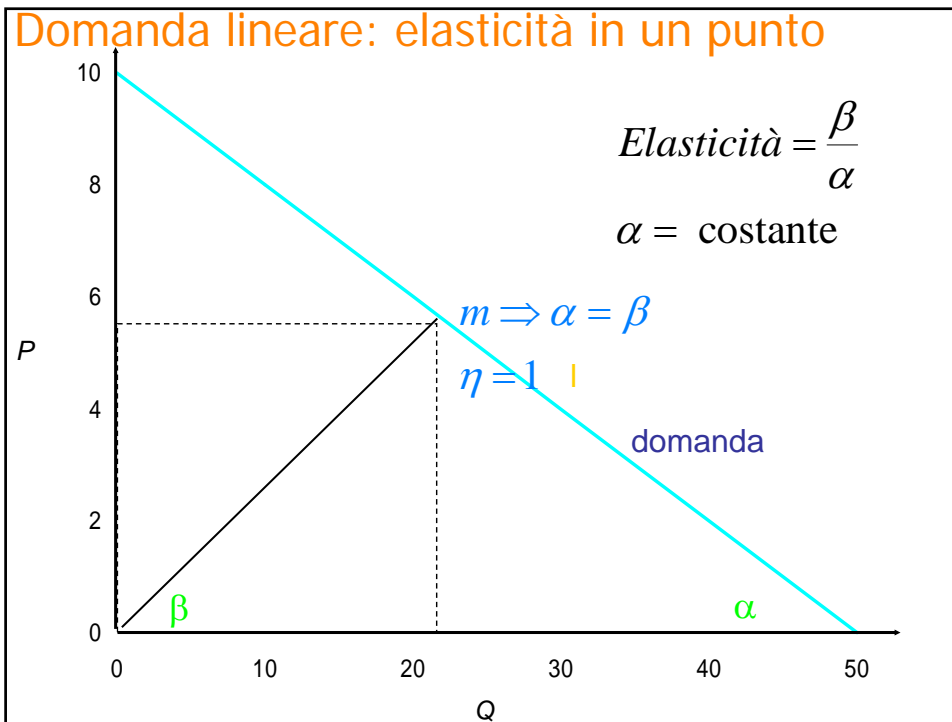
Domanda curvilinea

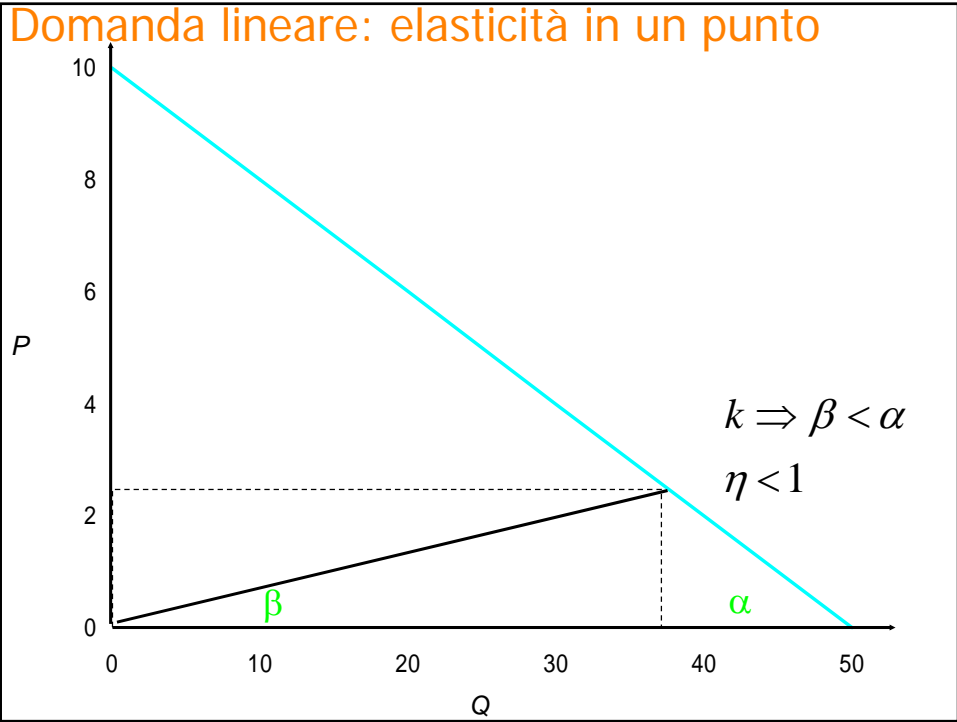
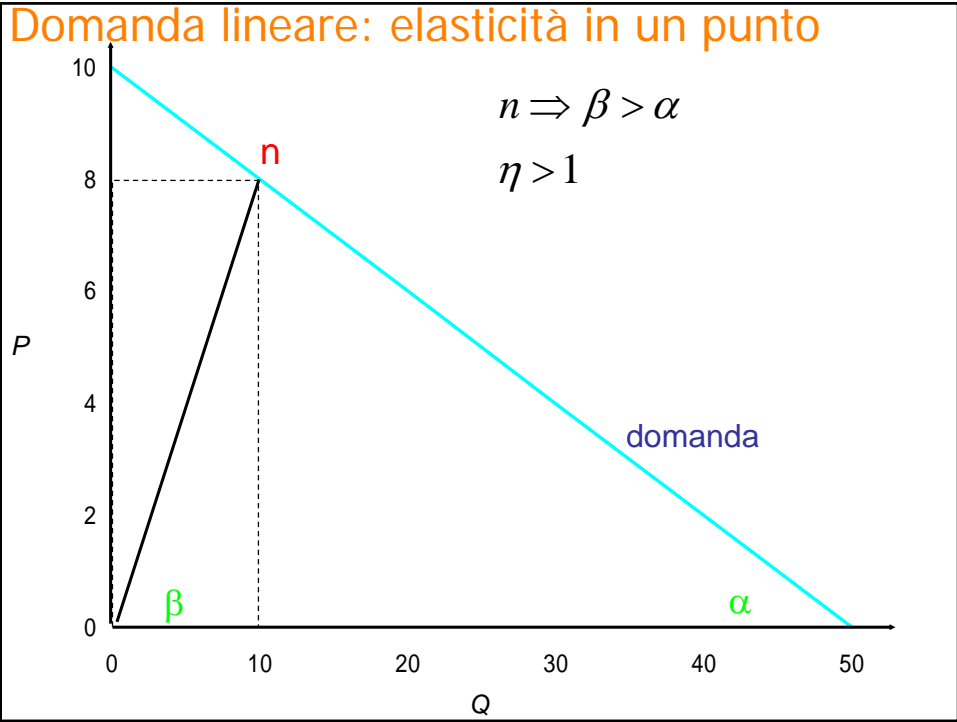


Domanda lineare: elasticità in un punto



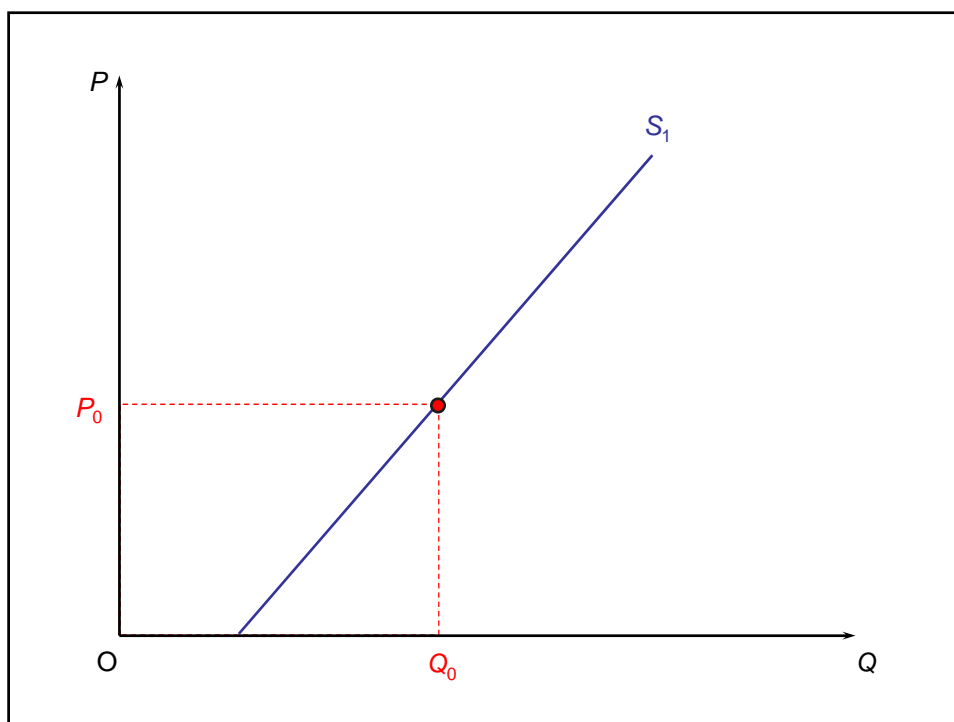
Domanda lineare: elasticità in un punto

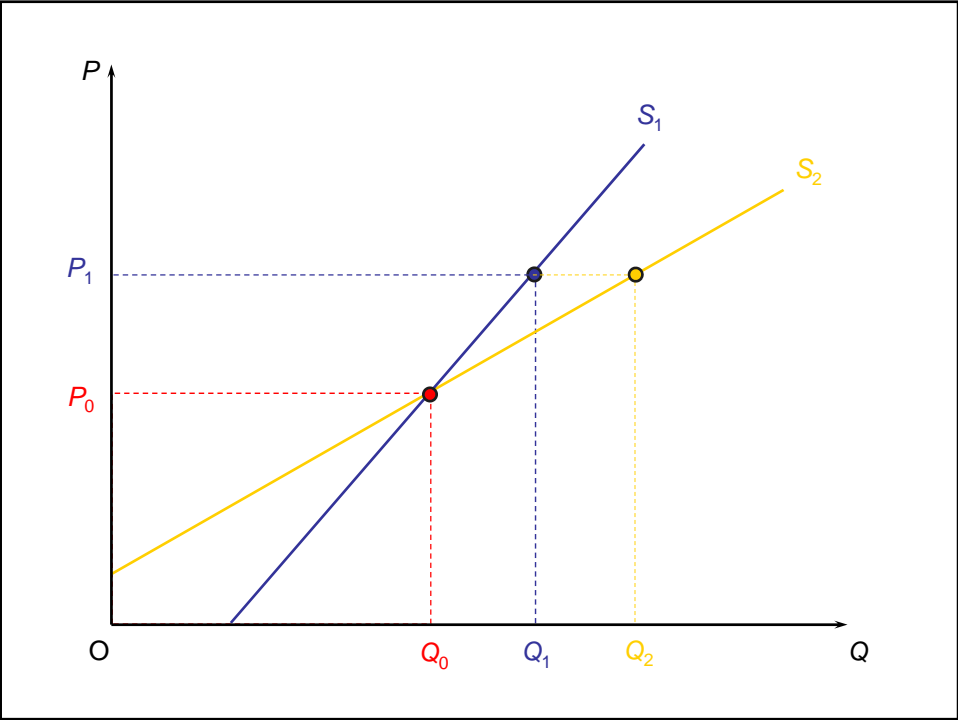
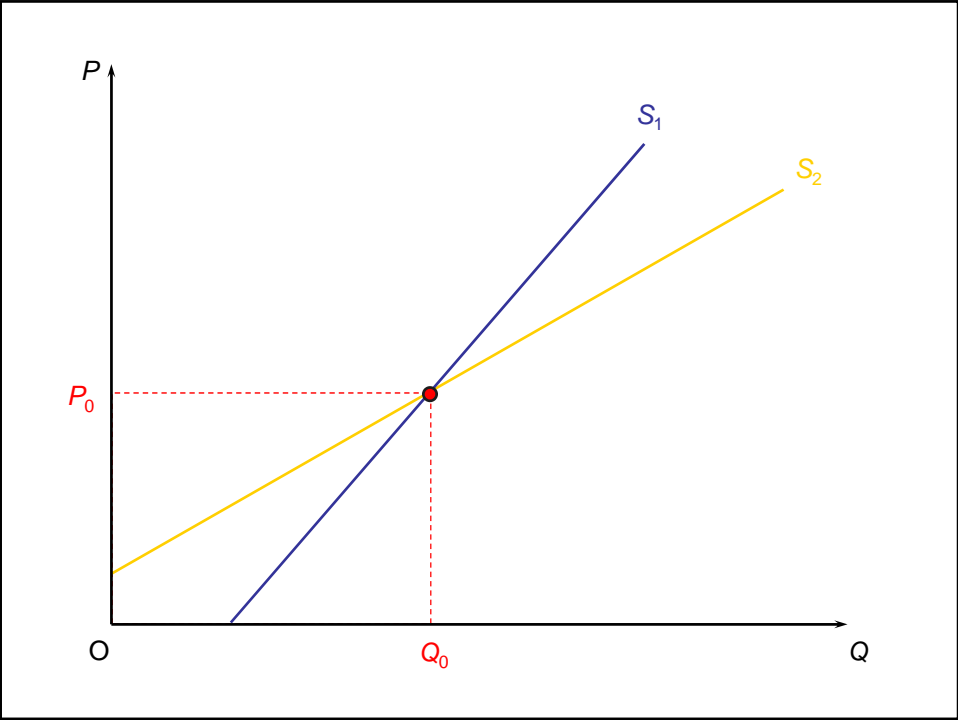




Elasticità dell'offerta al prezzo

$$\frac{\Delta Q_o}{Q_m} \cdot \frac{\Delta P}{P_m}$$







Elasticità dell'offerta al prezzo

$$\theta(S_1) = \frac{Q_1 - Q_0}{Q_m} \cdot \frac{P_1 - P_0}{P_m}$$



Elasticità dell'offerta al prezzo

$$\theta(S_1) = \frac{Q_1 - Q_0}{\frac{Q_1 + Q_0}{2}} \cdot \frac{P_1 - P_0}{\frac{P_1 + P_0}{2}}$$

$$\theta(S_2) = \frac{Q_2 - Q_0}{\frac{Q_2 + Q_0}{2}} \cdot \frac{P_1 - P_0}{\frac{P_1 + P_0}{2}}$$