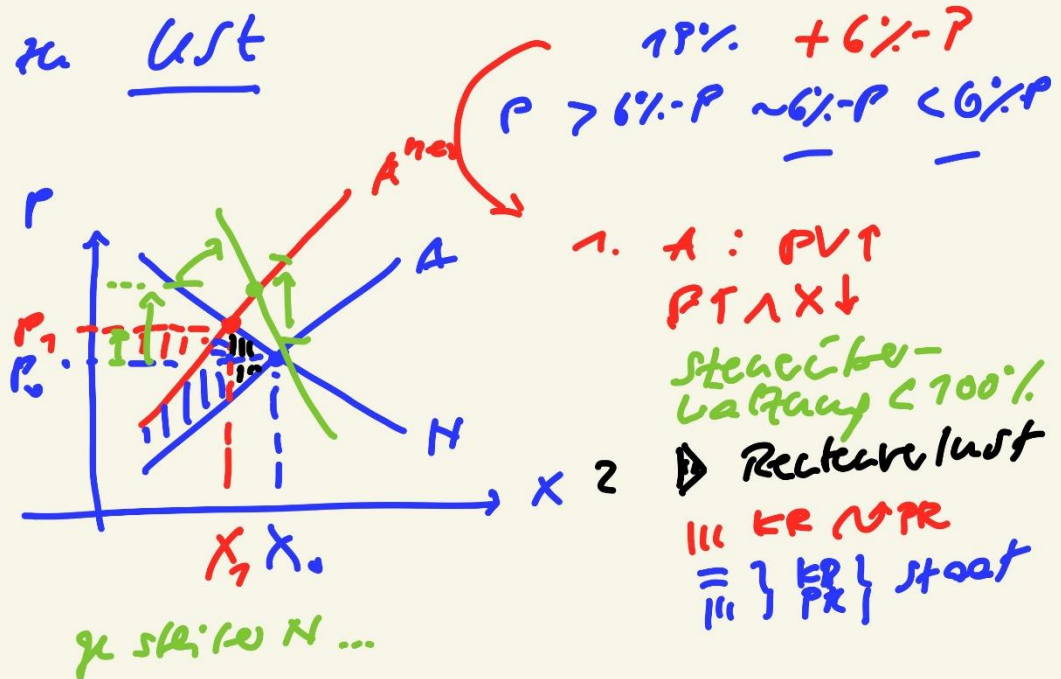




Elastizitäten

$$\epsilon = \frac{\text{rel. Änderung Wirkung [\%]}}{\text{rel. Änderung Ursache [\%]}}$$

$$(1) \quad E_{X_N; P} = \frac{\Delta X^N / X_0^N}{\Delta P / P_0}$$

* (PEN)

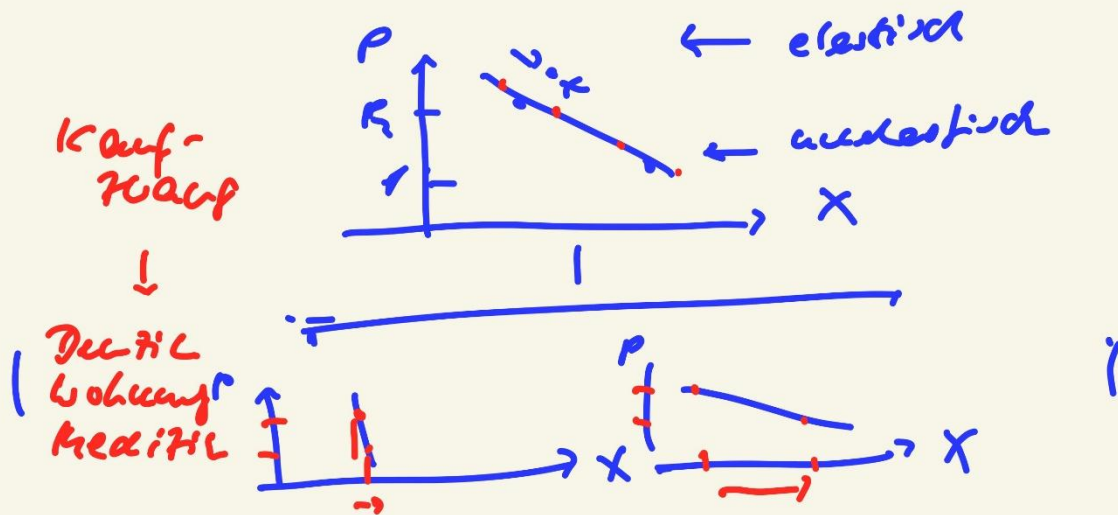
$$\begin{array}{l} 199.- \rightarrow 150.- \\ + 50\% \end{array} \quad = \quad \frac{+50\%}{-25\%} = -2$$

$$\infty \dots 1 \quad |\Delta X / X_0| > |\Delta P / P_0|$$

→ elastisch

$$1 \dots 0 \quad |\Delta X / X_0| < |\Delta P / P_0|$$

→ unelastisch



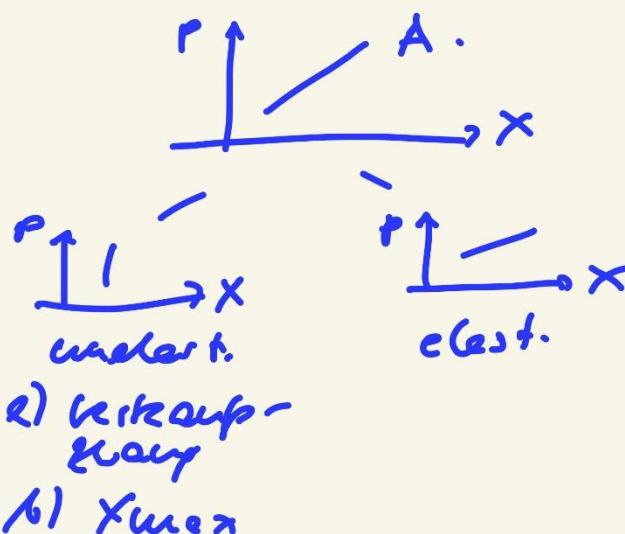
$$\epsilon = \frac{\Delta X / X_0}{\Delta P / P_0} \quad | P \rightarrow 0$$

$$= \frac{\Delta X}{\Delta P} \cdot \frac{P_0}{X_0}$$

$$= \frac{dX}{dP} \cdot \frac{P_0}{X_0}$$

$$= X' \cdot \frac{P_0}{X_0} \quad \leftarrow$$

(2)



(3) Kreuzpreiselastizität

$$\varepsilon_{X^0; P^A} = \frac{\Delta X^0 / X^0}{\Delta P^A / P^A}$$

↑ / ↓ ↓ / ↑
 (+) (-)

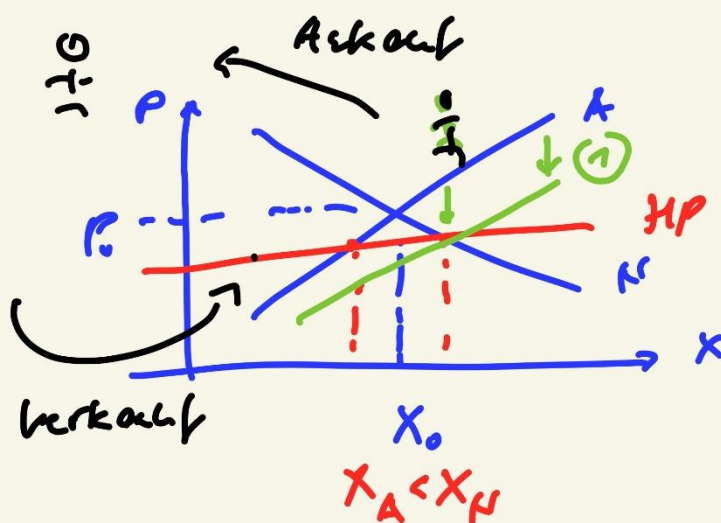
2-FFM Flurpreise -20%
 Kaffee TFM +15%

(4) Einkommenswertzahl

$$\epsilon_{X_N; Y} = \frac{\Delta X / X_0}{\Delta Y / Y_0}$$

$\begin{matrix} \swarrow & \searrow \\ Y \uparrow & Y \uparrow \\ X_N \downarrow & X_N \uparrow \\ \text{inferior} & \text{superior} \end{matrix}$

↪ Höchstpreis



↪ Mieten

Deckel

$HIP < P_0$

$\Delta X_A < X_N$

N-überhang
Mangel

(1) Folge-Konvention
 (2) Import
 (3) 2 Märkte

$$X_A = 2P + 5$$

$$X_H = -0.5P + 10$$

$$X_A = 9 \text{ Mill. €}$$

$$X_H = 9 \text{ Mill. €}$$

2) $X_A = X_H$

$$2P + 5 = -0.5P + 10$$

$$2.5P = 5$$

$$P = 2 \text{ € / kg}$$

b) $K = 4 \text{ € / kg}$

$$\left. \begin{array}{l} X_A = 12 \text{ Mill. €} \\ X_H = 8 \text{ Mill. €} \end{array} \right\} \Delta 5 \text{ Mill. €}$$

c) $K = 20 \text{ Mill. €}$ $0 = -0.5P + 10$

* z) p.p. $X_H = 0 \rightarrow P = 20 \text{ € / kg}$