

Gesetz

1. GG
Sättigungspunkt

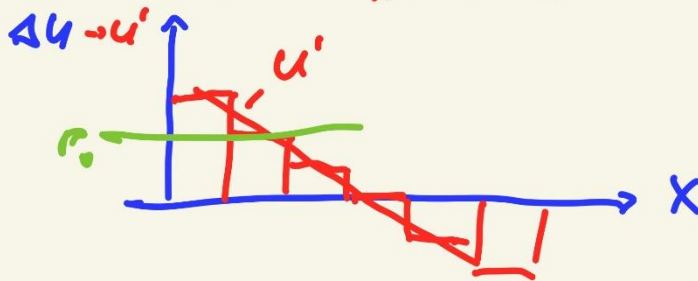
ΔU U'
Grenznutzen
 $\Delta U = \Delta U$ bei $\Delta X = 1$

$U' > P \rightarrow$ Kauf

$U' < P \rightarrow$ Verkauf

$U' < P \rightarrow$ kein Kauf

$U' = P$
 $\Rightarrow X_N$



UA2

$$X_A = 2P + 5$$

$$X_N = -0.5P + 10$$

$$X_A = X_N$$

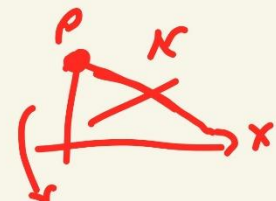
$$2P + 5 = -0.5P + 10$$

$$2.5P = 5$$

$$P = 2 \text{ €/kg}$$

$$X_A = 9 \text{ kg}$$

$$X_N = 7 \text{ kg}$$



$$X_N = -0.5P + 10$$

$$0 = -0.5P + 10$$

$$0.5P = 10$$

$$P = 20 \text{ €/kg}$$

$$P = 2 \cdot 2 + 5$$

$$MP = 4 \text{ €/kg}$$

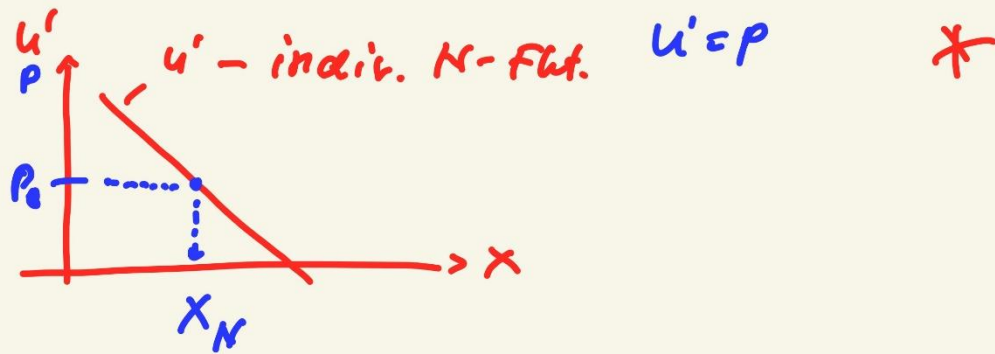
$$X_A = 9 \text{ kg}$$

$$X_N = 8 \text{ kg}$$

$$\Delta X = 5 \text{ kg}$$

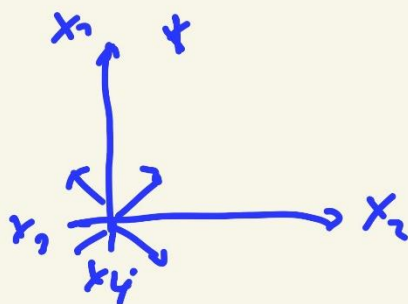
$$U = 20 \text{ Mill. €}$$

$$U = \Delta X \cdot MP$$



2. GG & Substitution

Nachfrage nach 2 Gütern

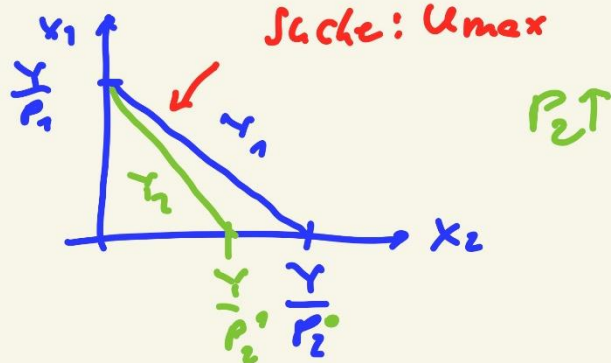


$$Y \rightarrow x_1, x_2$$

$$Y = x_1 \cdot p_1 + x_2 \cdot p_2$$

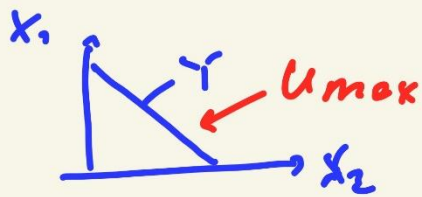
Budgetgerade *

Suche: $U_{\max}$

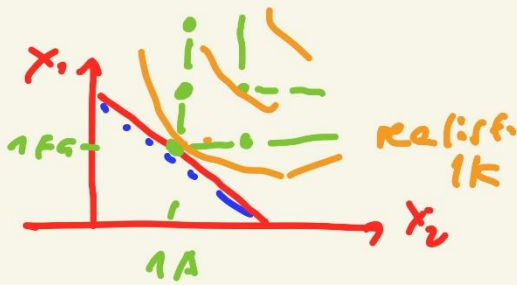


$$Y_2^{\text{nom}} = Y_2^{\text{nom}}$$

$$Y_1^{\text{real}} > Y_2^{\text{real}}$$



$$(x_1 = \alpha \cdot v_A^T \cdot v_K^T)$$



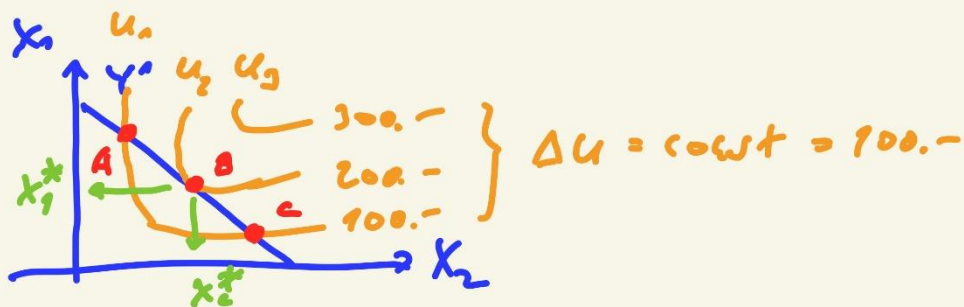
1) $x_1; x_2$ vollständig substituierbar

↳ Indifferenzkurven

2) $x_1; x_2$ vollständig komplementär

Leontief

↳ Indifferenzkurven *



$$\Delta U = \text{Cost} = 100.-$$

$$Y(A) = Y(B) = Y(C)$$

$$U(A) < U(B) > U(C) \quad U(A) = U(C) \quad *$$

HH-Optimalität

z.B. $Y \rightarrow U_{\max}$

z.B. $U \rightarrow Y_{\min}$

→ exogen Schock → $HH=0$
→ $P-\Delta$ * P_L
→ $Y-\Delta$
→ $U-\Delta$