

$$\frac{\frac{2x_1}{2x_2}}{\frac{2x_1}{2x_2}} = \frac{1x_1}{1x_2}$$

$$\Leftrightarrow \frac{\frac{1}{2} \cdot x_1 - \frac{1}{2} \cdot x_2}{\frac{1}{2} \cdot x_1 - \frac{1}{2} \cdot x_2} = \frac{4}{8} = \frac{1}{2}$$

2

\Leftrightarrow

$$\Leftrightarrow x_1 - \frac{1}{2}x_2 = \frac{1}{2}x_1 - \frac{1}{2}x_2 \quad \Leftrightarrow x_1 - (-\frac{1}{2})x_2 = \frac{1}{2}x_1 - (-\frac{1}{2})x_2 = \frac{1}{2}x_1 \quad \Leftrightarrow x_1 - 1x_2 = \frac{1}{2}x_1 \quad \Leftrightarrow \frac{x_2}{x_1} = \frac{1}{2}$$

$$\Leftrightarrow x_2 = \frac{1}{2}x_1 \quad \Leftrightarrow$$

$$x_1 = 2x_2$$

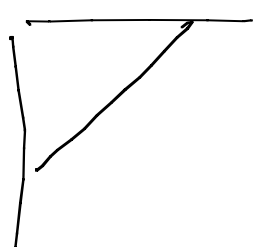
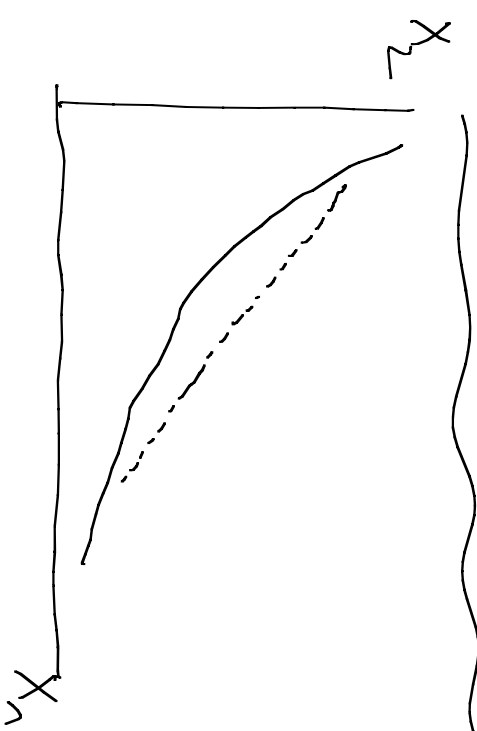
$$\mu = p_1 X_1 + p_2 X_2$$

$$1000 = 4 \cdot X_1 + 8 X_2 = 4 \cdot 2 X_2 + 8 X_2 = 16 X_2$$

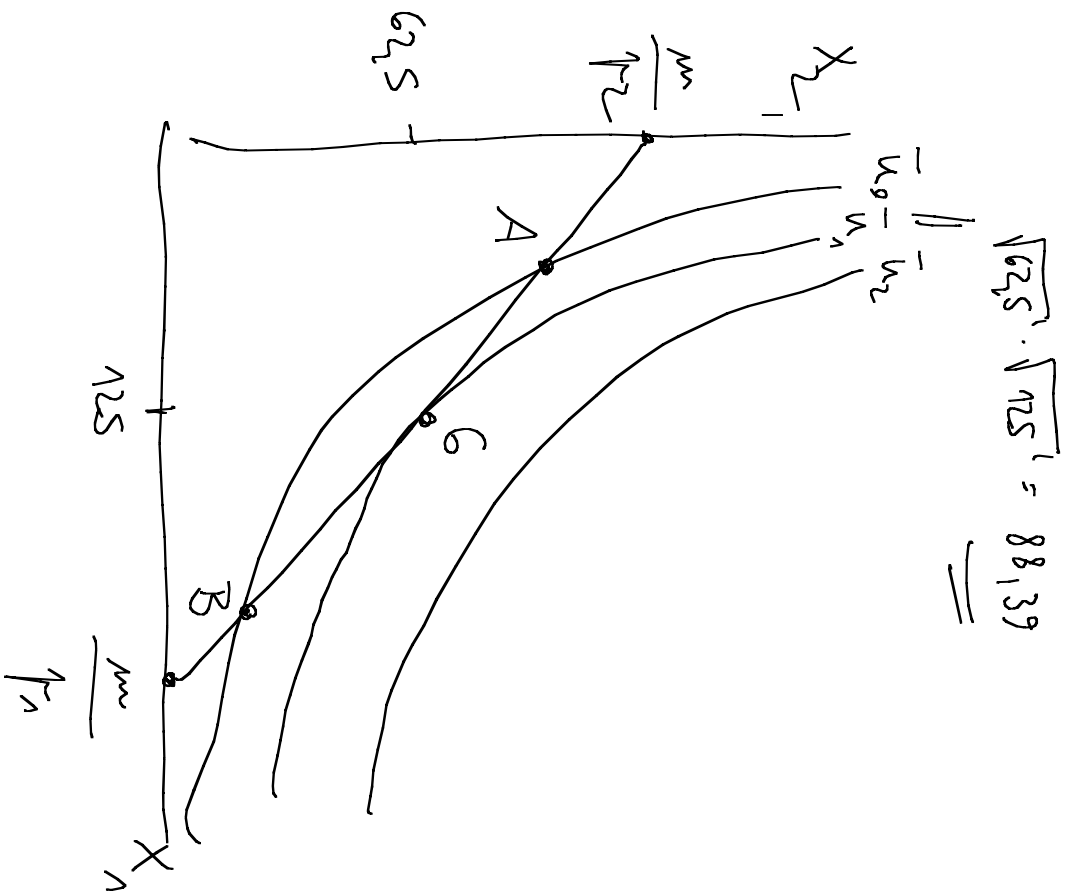
$$\Rightarrow X_2^* = 62,5$$

$$X_1 = 2 \cdot 62,5 =$$

$$125 = X_1^*$$



\sqrt{K}



REL. MENGEN-
ÄNDERG.

$$\frac{\Delta X}{X}$$

ABSOL.
MENGENÄNDERUNG

2

[ETA]

$\eta = \text{PREIS ELASTIZITÄT} =$

$$\frac{\Delta p}{p}$$

BEWERT. SICU UM a%
 \Rightarrow X BEWERT SICU UM a· η %

$$\eta = \frac{\frac{\Delta X}{X}}{\frac{\Delta p}{p}} = - \frac{\Delta X}{X} \cdot \frac{p}{\Delta p} = \frac{\Delta X}{\Delta p} \cdot \frac{p}{X} \Rightarrow$$

$$\eta = \frac{\partial X}{\partial p} \cdot \frac{p}{X}$$

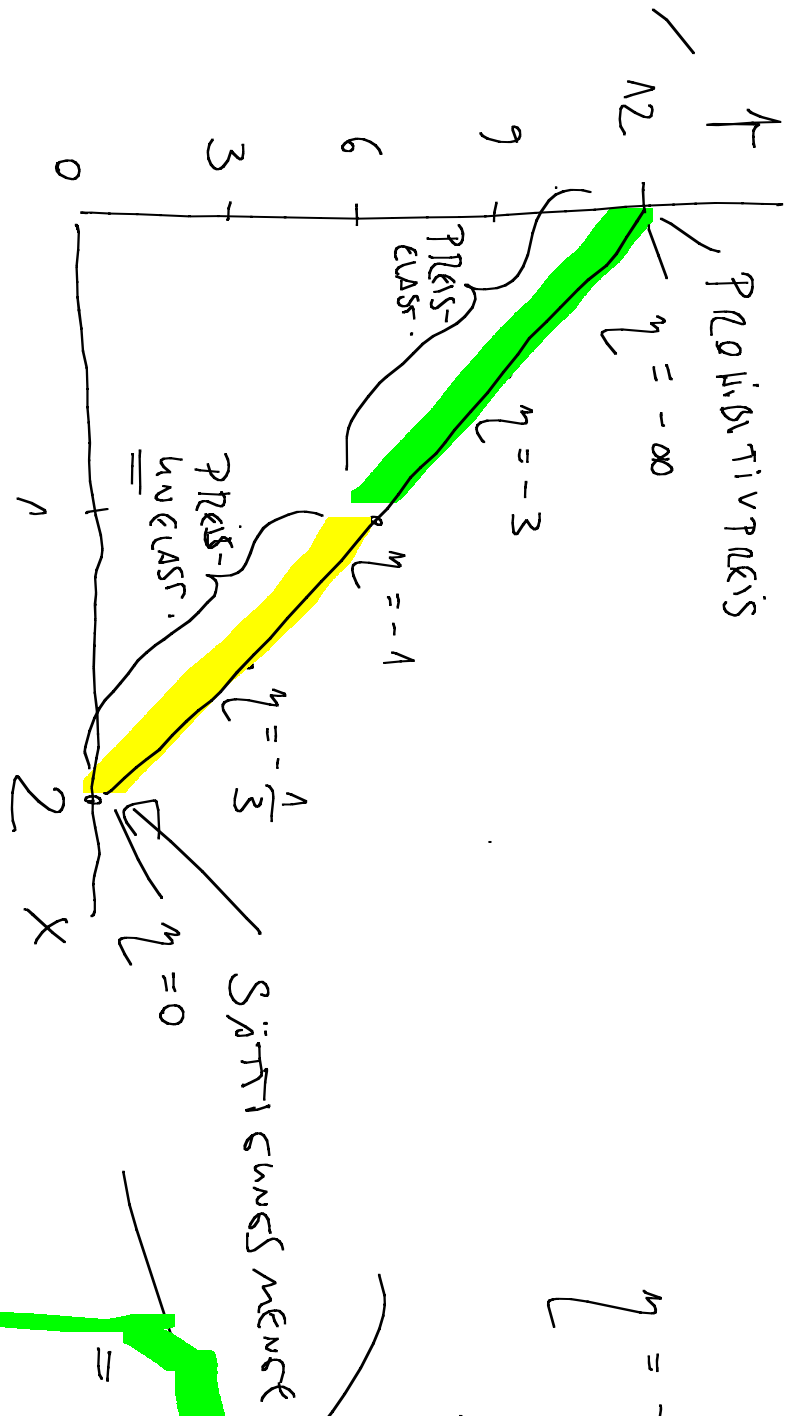
$$p^{-12} = -\frac{1}{6}x$$

$$\Leftrightarrow x = \frac{p^{-12}}{-\frac{1}{6}}$$

$$\boxed{x = 2 - \frac{1}{6} \cdot p}$$

$$\eta = -\frac{1}{6} \cdot \frac{p}{2 - \frac{1}{6} \cdot p}$$

$$= -\frac{1}{6} \cdot \frac{p^{-12}}{\frac{p^{-12}}{-6}}$$



$$= -\frac{1}{6} \cdot \frac{(-6)}{\frac{p^{-12}}{-6}} \cdot p$$

$$= \frac{p^{-12}}{p^{-12}} = \eta$$

8

141

KOCHREITER MONOPOL

1. $e(x) = p(x) \cdot x$
2. $GE = MR = e'$
3. $GK = K' = MC$
4. $GE = GK$
5. DIES NACH x AUFLÖSEN
6. DIES IN $p(x)$ EINSETZEN

1. $e(x) = (8 - 2x) \cdot x$
 $= 8x - 2x^2$

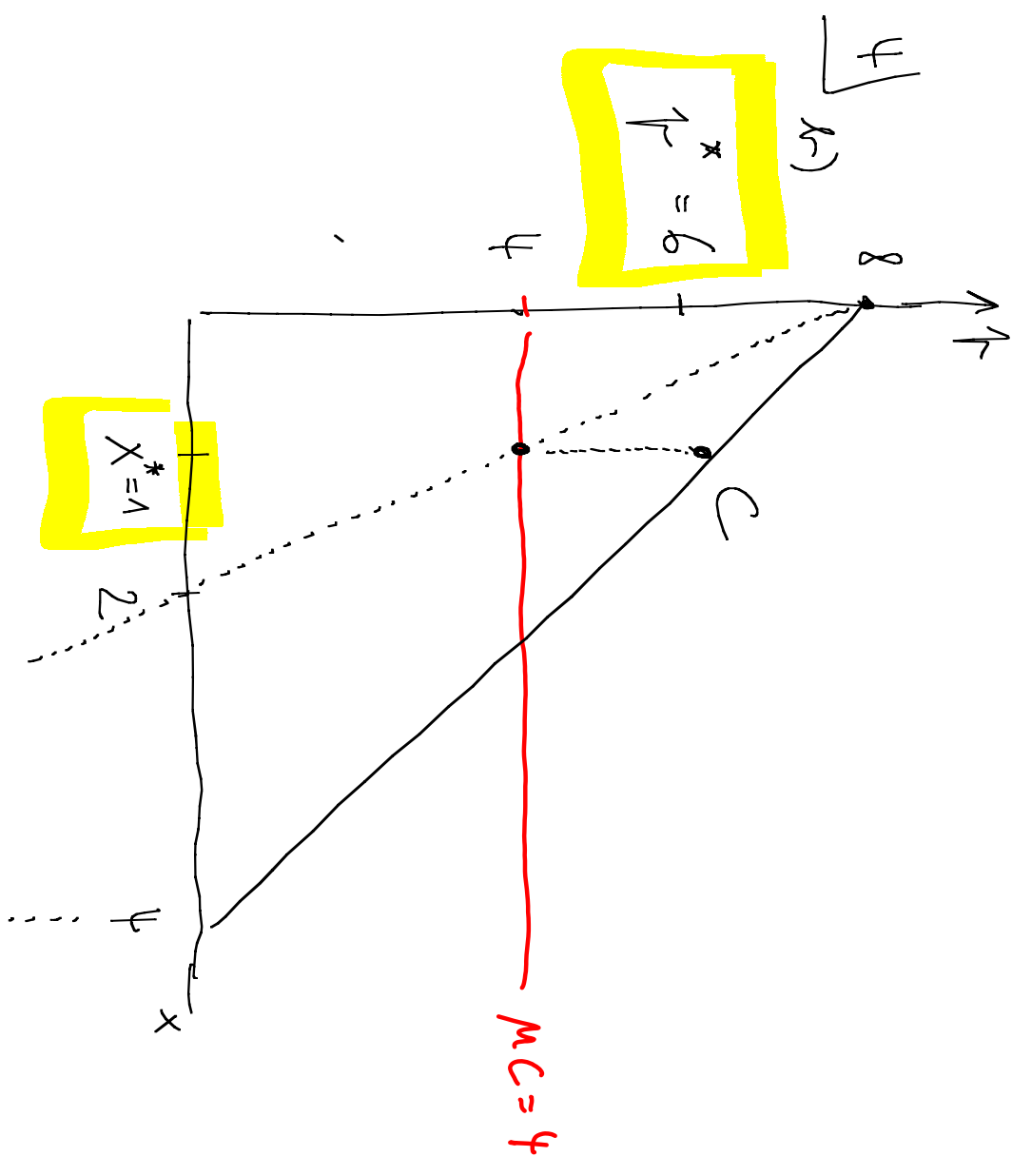
2. $GE = 8 - 4x$

3. $K' = (4x + 1)' = 4$

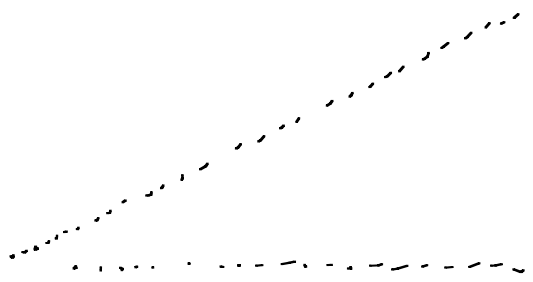
4. $4 = 8 - 4x$

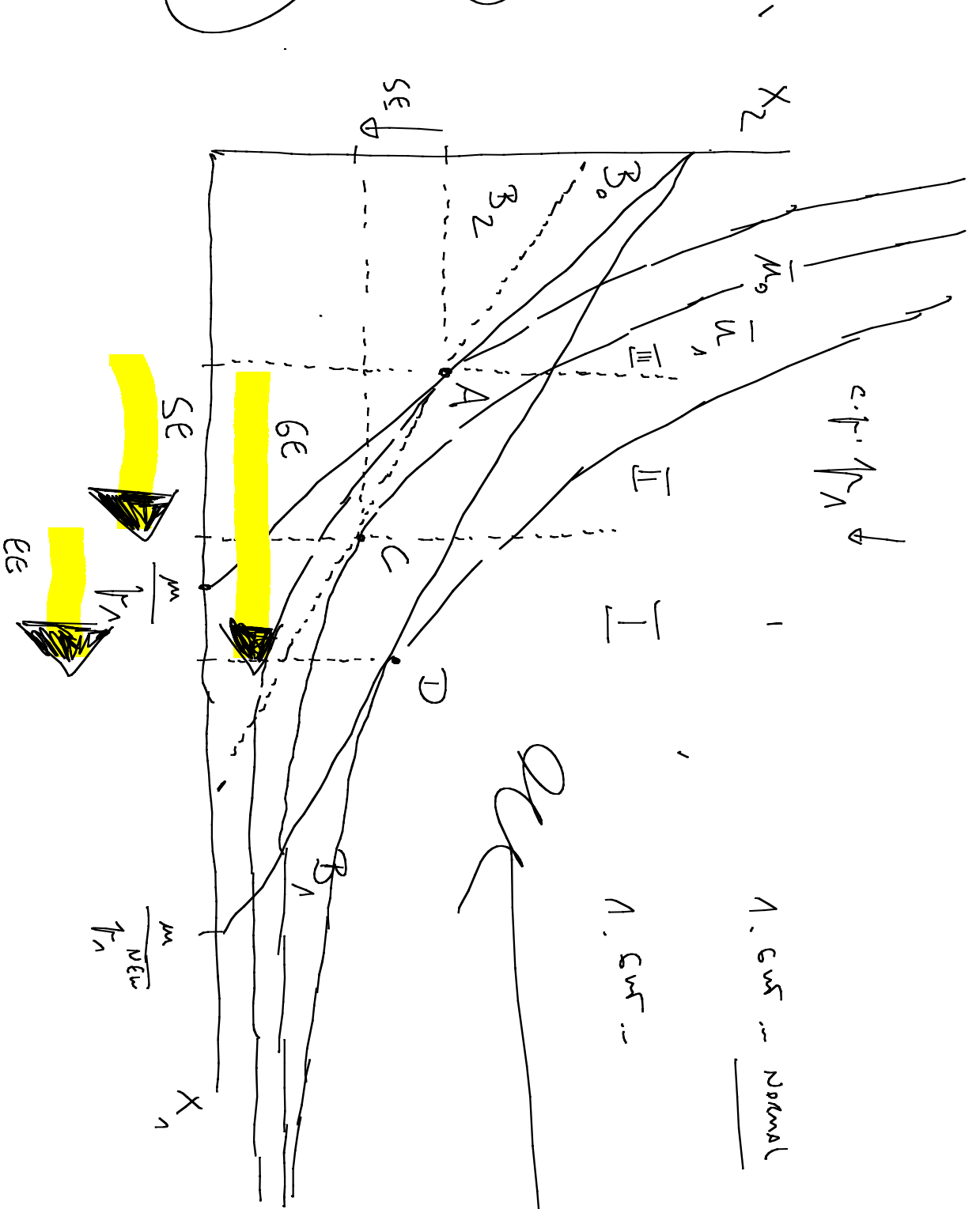
5. $(\Leftrightarrow) \left[\overbrace{x}^K = 1 \right]$

6. $p(1) = 8 - 2 \cdot 1 = 6$



ω





1. cut ... normal
 1. cut ...
 $r_1 \phi \rightarrow \text{real env.} \rightarrow$
 $\rightarrow X_1^{EE} \downarrow$
 $r_1 \phi \rightarrow X_1^{GE} \downarrow$

OK

