

— IS-LM Modell —

1. IS Modell

Voraussetzungen

1. Kapitale ekonomisi
2. Devlet var
3. Vergi var.

$$Y = C(1-t)Y + I(i) + G$$

Özdeşlik isler teorisiinden

$$F(Y, i, G) = C(1-t)Y + I(i) + G - Y = 0$$

$$\left. \frac{di}{dY} \right|_{IS} = - \frac{F_Y}{F_i} = - \frac{c'(1-t) - 1}{I'} = \frac{1 - c'(1-t)}{I'} < 0$$

$$\left. \frac{di}{dG} \right|_{IS} = - \frac{F_G}{F_i} = - \frac{1}{I'} > 0$$

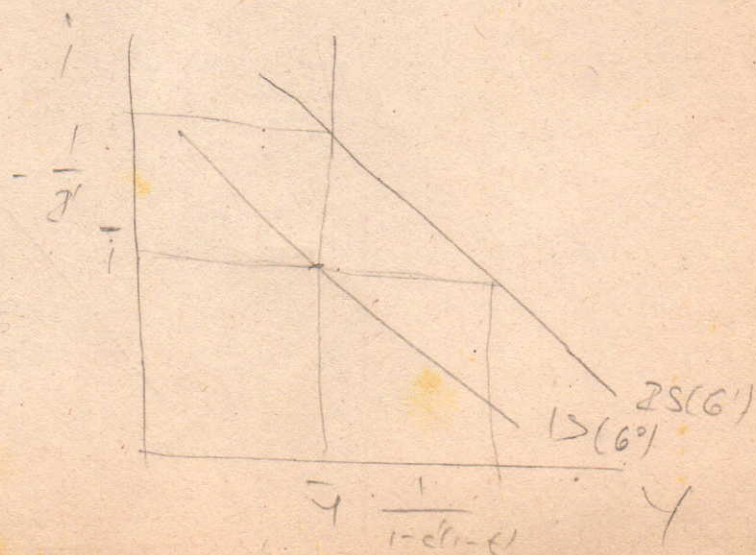
$$\left. \frac{dY}{dG} \right|_{IS} = - \frac{F_G}{F_Y} = - \frac{1}{c'(1-t) - 1} = \frac{1}{1 - c'(1-t)} > 0$$

$$0 < c' < 1$$

$$0 < t < 1$$

$$I' < 0$$

$$0 < s' < 1$$



2. LM Modell

$$\frac{M}{P} = L(Y, i)$$

$$F(Y, i, M, P) = L(Y, i) - \frac{M}{P} = 0$$

$$\left. \frac{di}{dY} \right|_{LM} = - \frac{F_Y}{F_i} = - \frac{L_Y}{L_i} > 0$$

$$\left. \frac{di}{d\left(\frac{M}{P}\right)} \right|_{LM} = - \frac{F_{M/P}}{F_i} = - \frac{-1}{L_i} < 0$$

$$\left. \frac{dY}{d\left(\frac{M}{P}\right)} \right|_{LM} = - \frac{F_{M/P}}{F_Y} = - \frac{-1}{L_Y} > 0$$

$$L_Y > 0$$

$$L_i < 0$$

$$\frac{dP}{dm} = \frac{\begin{vmatrix} 0 & I' \\ \frac{1}{P} & L' \end{vmatrix}}{-I' m P^{-2}} = \frac{-I' P^{-1}}{-I' m P^{-2}} = \frac{1}{P} \frac{P^2}{m} = \frac{P}{m} > 0$$

$$\frac{di}{dm} = \frac{\begin{vmatrix} 0 & 0 \\ \frac{m}{P^2} & \frac{1}{P} \end{vmatrix}}{-I' m P^{-2}} = \frac{0}{-I' m P^{-2}} = 0$$

$$\frac{dP}{dm} \frac{m}{P} = 1 \quad \text{Neutrality of money.}$$

Klasik modelde, isgüç piyasasından dolayı Y kısıtlanmaz. Fakat mal piyasasında belli düzeyde para politikaları farklı etkiler meydana getirir. Klasik dikeyden dolayı.

$$Y = C + I + G$$

$$M P^{-1} = L(Y, i)$$

$$-\frac{m}{P^2} dP = L_i di$$

$$-\frac{m}{P^2} dP = -\frac{1}{I'} dG L_i$$

$$I' di = -dG$$

$$di = -\frac{1}{I'} dG$$

$$\frac{di}{dG} = -\frac{1}{I'} < 0$$

$$\frac{dP}{dG} = \frac{P^2}{m} \cdot \frac{L_i}{I'} > 0$$