

Aggregate Demand Curve and Solution of the Dynamic Model

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Aggregate Demand curve

Euler-Gleichung

$$y = [+ 2(\theta)^2] \times c = (\theta)^2 + 1 = \left[\frac{3 - r}{\sigma(\theta)} \right] \times \frac{1}{[1 + 2(\theta)]^2}$$

$$\gamma = \left[\frac{\epsilon - r}{\sigma(0)} \right]^\zeta \times \frac{1}{(1 + z(\theta))^{\zeta-1}} = y^d(\theta)$$

$$- y^d(0) = \left[\frac{s - r}{\sigma'(0)} \right]^{\xi} > 0$$

$$- y^d(\theta_m) = 0$$

- $y^d(\theta)$ is \downarrow with θ

Solution of model:

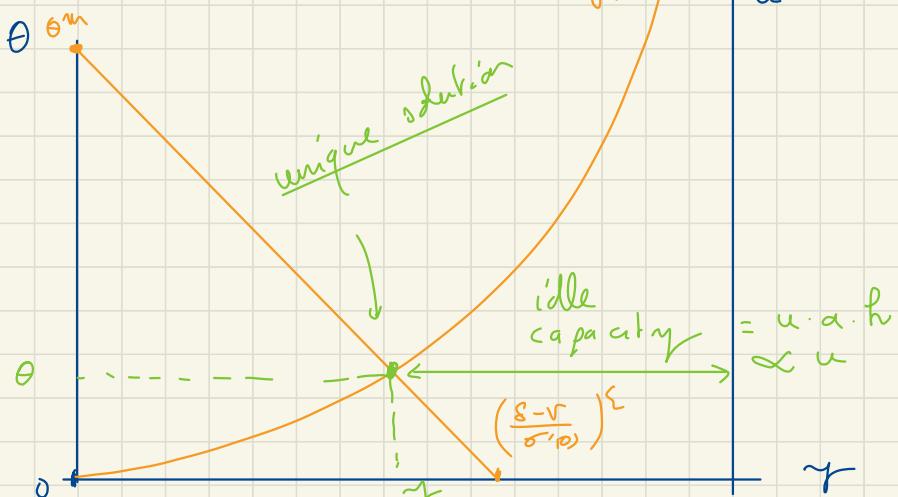
1. θ satisfies

$$y^d(\theta) = y^s(\sigma)$$

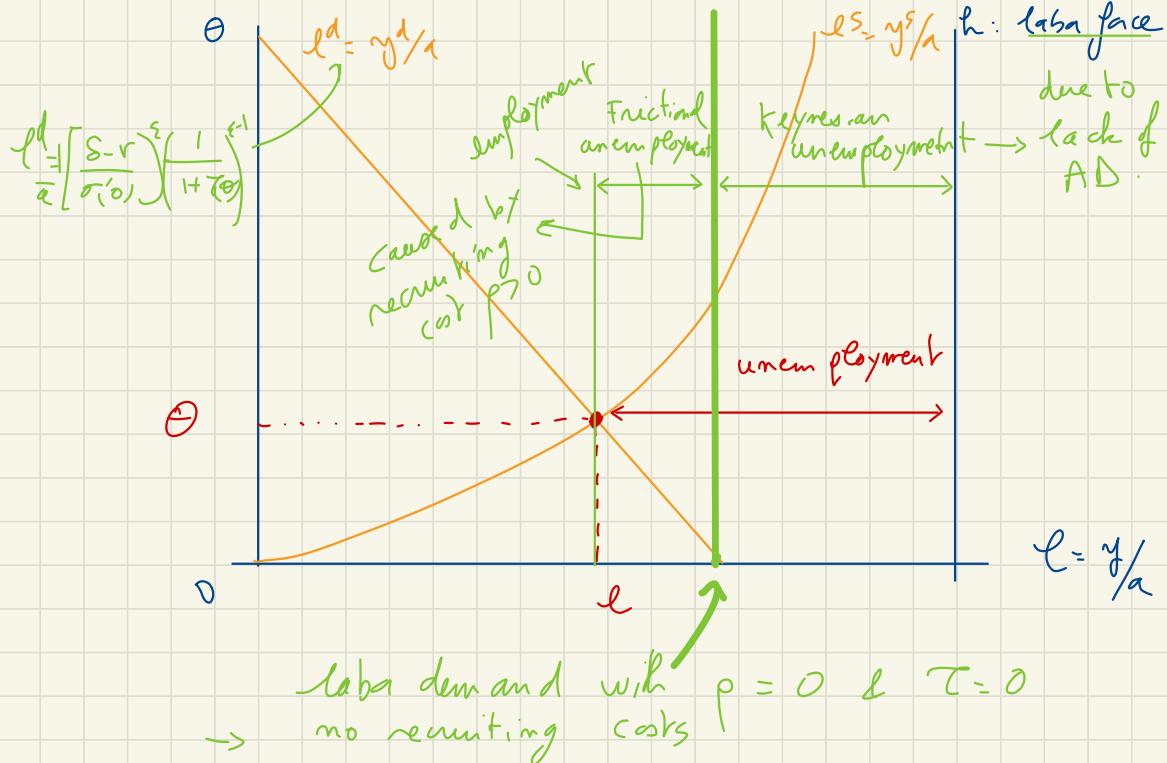
Euler Beveridge

2. from 0 compute all other variables

Finding θ :



Decomposition of unemployment: Keynesian + frictional



With low AD:

Keynesian unemployment ↑
 Frictional unemployment ↓
 Total unemployment ↑
 Keynesian unemployment ↓
 Frictional unemployment ↑
 Total unemployment ↓

With high AD:

See M. idoillat (2012)