9/11/2020 Recitation
Big Picture:
Sector problem

Equilibrium

State variable

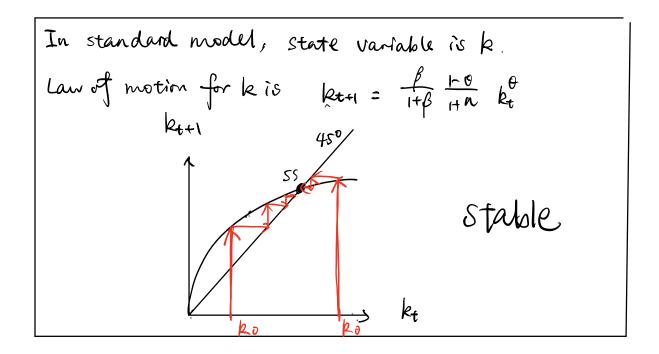
Rety law of motion Steady State

What to know where the economy is heading to and will end in

Money in OLG

M state variable.

-> Law of motion for m

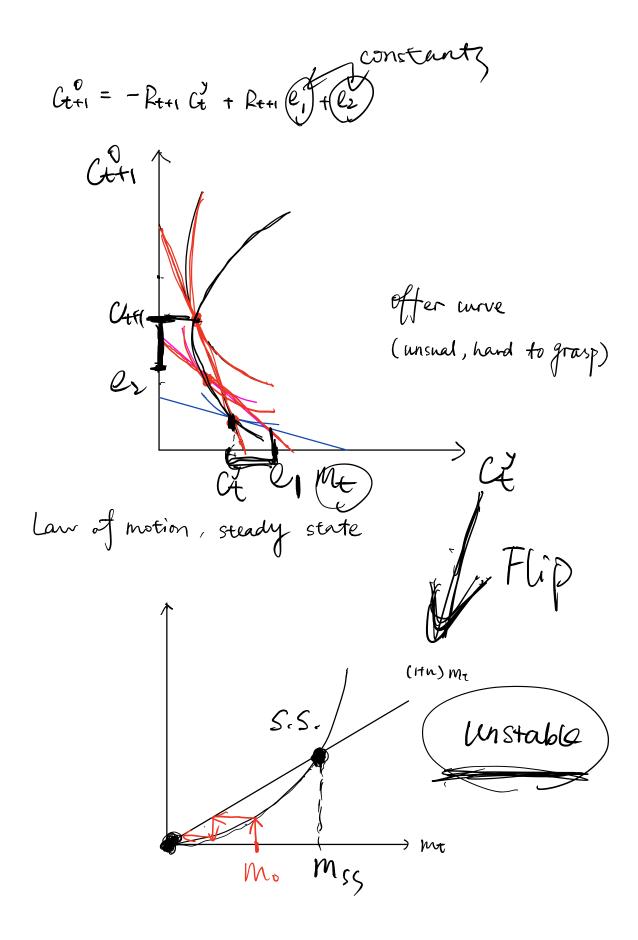


In OLG with money.

$$m_t = S((H_n) m_{t+1} / m_t)$$

Want to map me into me+1. How?

- $m_t = s(R_{t+1})$
- · Mt+1 can be linked to s(Rt+1)
- => Young B.C and old B.C are linked together.
  affected by Rt+1
- => Lifetime BC



Dynamic Efficiency
$$f'(kGR) = n+8$$

$$f'(k) < n \Rightarrow dynamic Inefficiency.$$

$$(1+\Gamma) < Hn$$

$$R < 1+n$$

Fiscal Theory of the Price Level

F.O.C. 
$$u'(G') = \lambda_t$$

$$\beta u'(G') = \lambda_t \frac{P_{t+1}}{P_t} \Rightarrow E.E. u'(G') = \frac{P_t}{P_t} u'(G'_{t+1})$$
CE:

· CE:

Allocations {Ct, Ct, 2t, Me} price { Pt }, s.t.

- · HH: 2BC, 1EE
- · Gou: BC
- · Goods Mkt
- · Money Mkt

Characterize equilibrium  $M_{t+1} = S\left((1+h)\frac{M_{t+1} - g_{t+1}}{M_t}\right)$ 

