



Discussion of “Can the U.S. interbank market be revived”

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The views expressed here are those of the author and should not be attributed to the BIS

This paper wants to explain...

- Decline of interbank trade volume with QE
- Interest rate below the floor

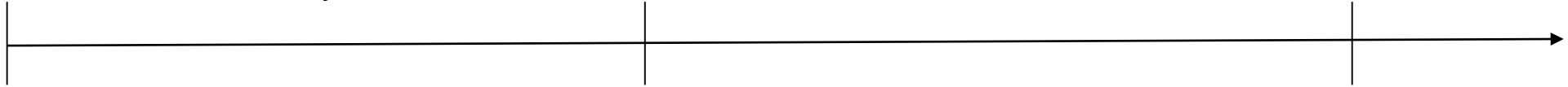
The authors do so using balance sheet costs and other trading costs

The paper in a (coco-)nutshell

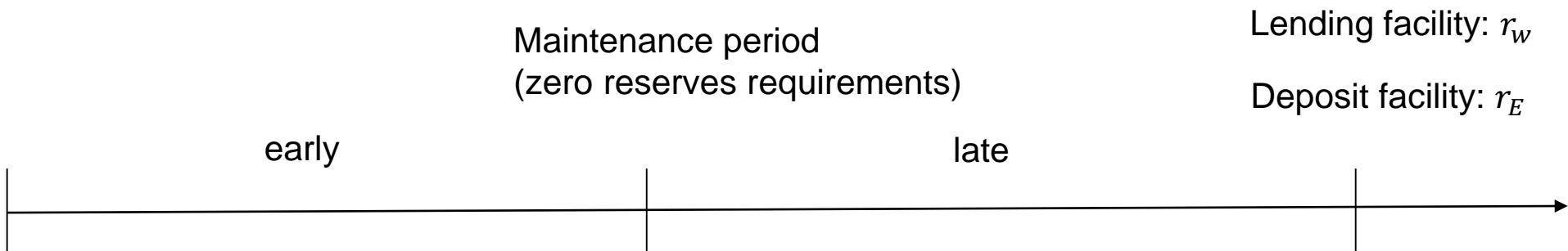
Maintenance period
(zero reserves requirements)

early

late



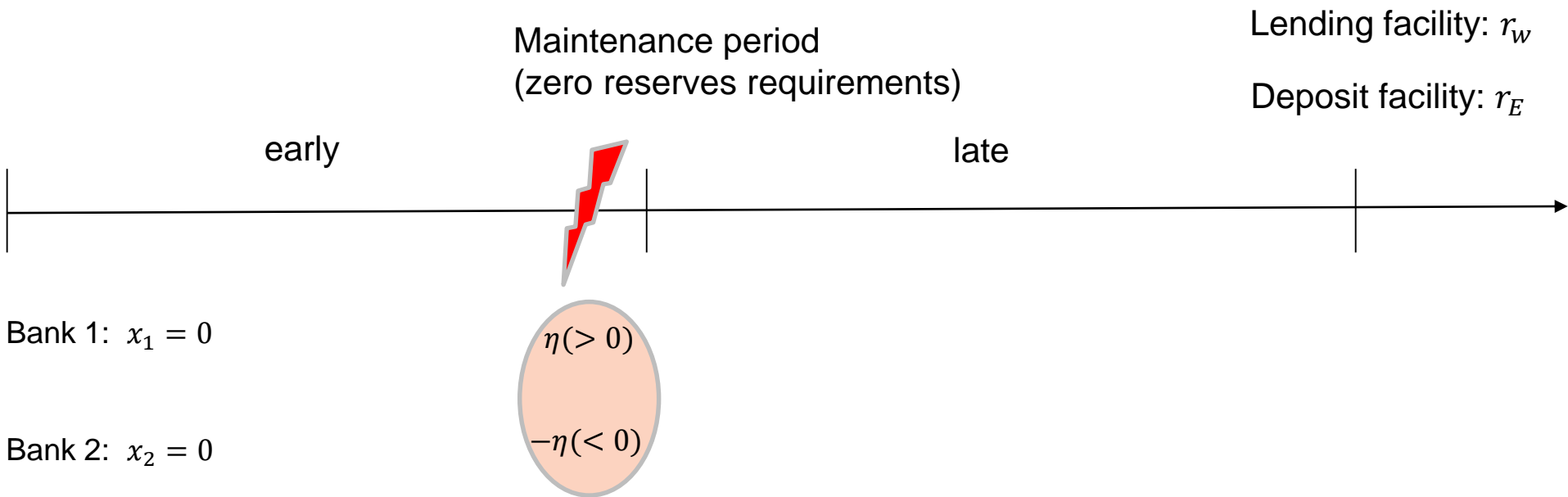
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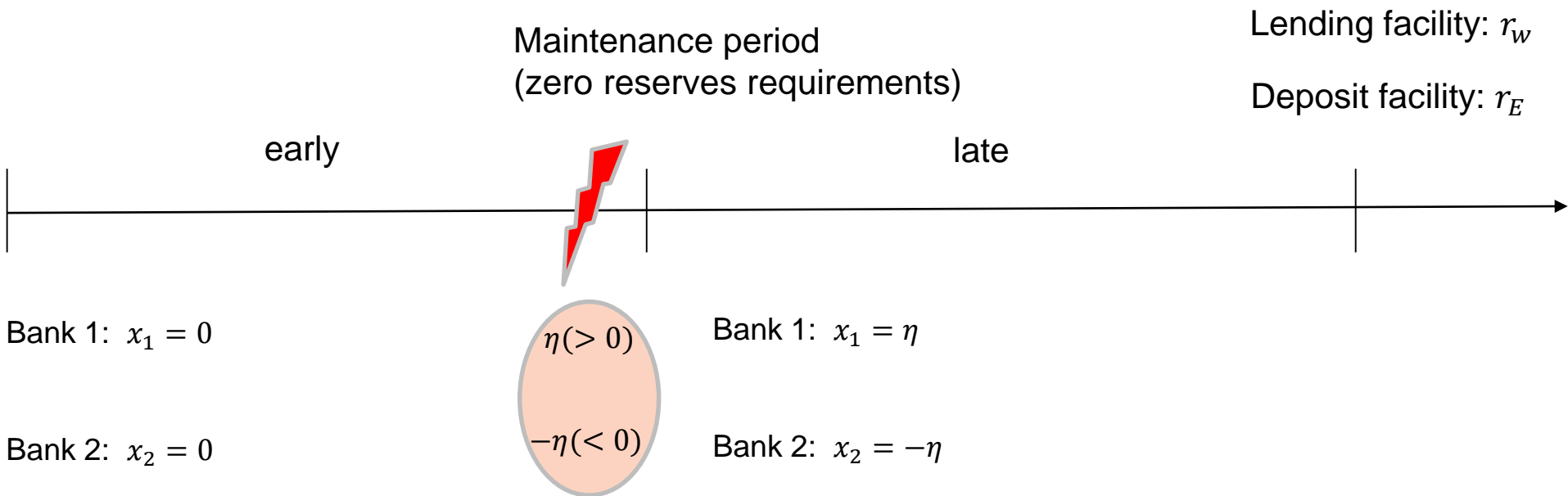
Bank 1: $x_1 = 0$

Bank 2: $x_2 = 0$

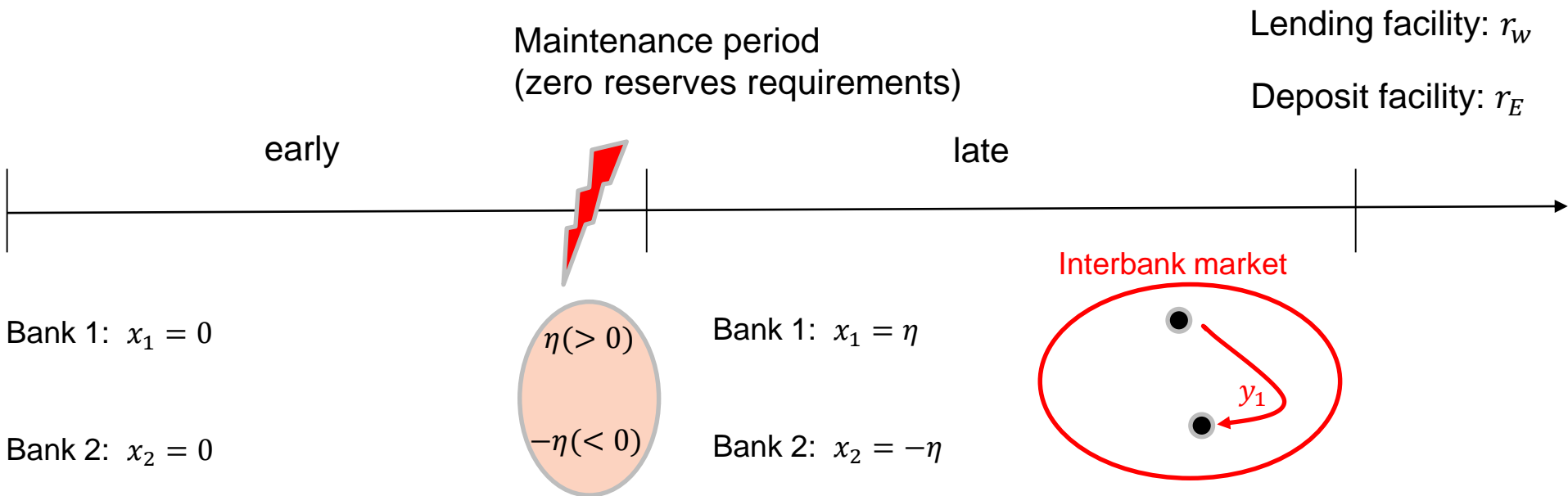
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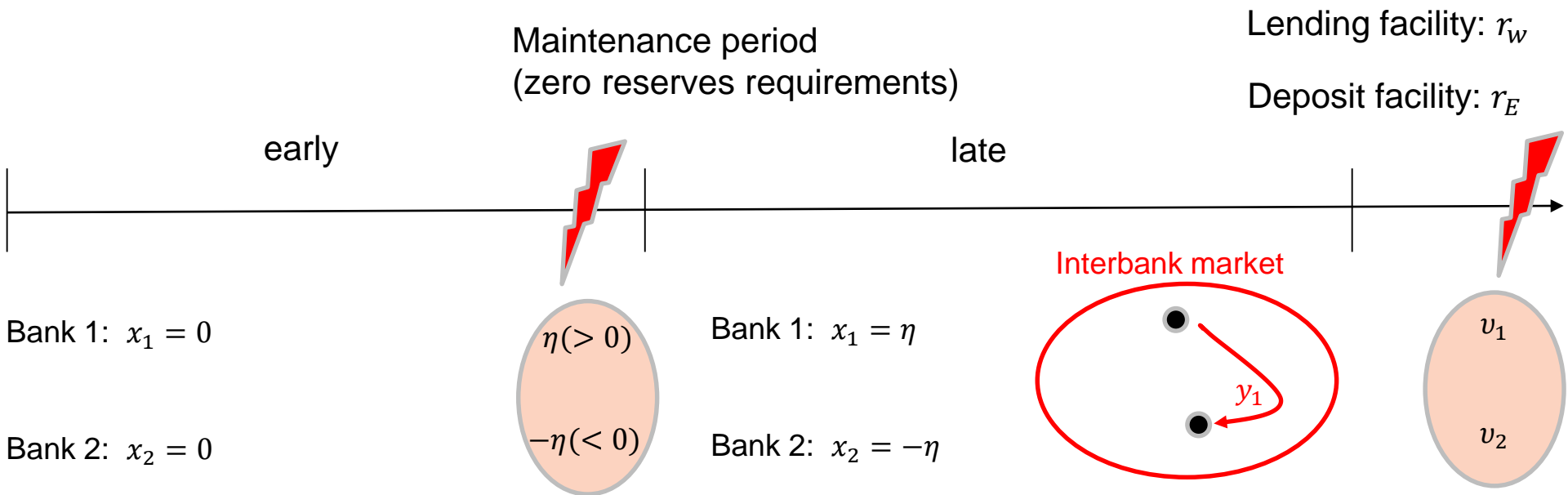
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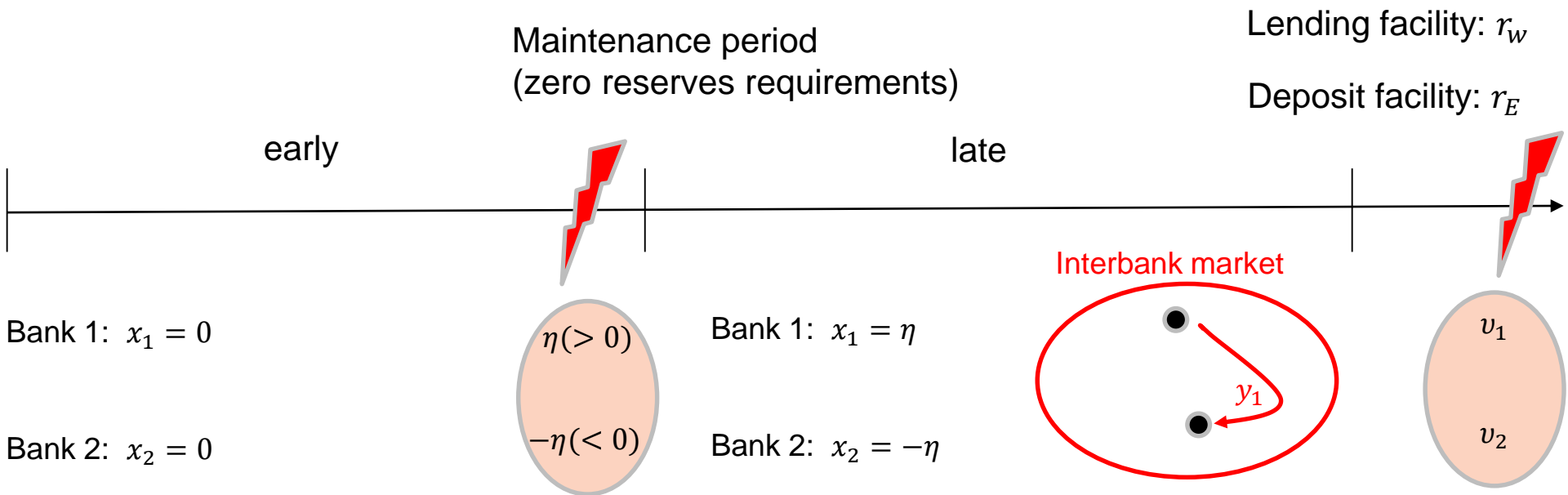
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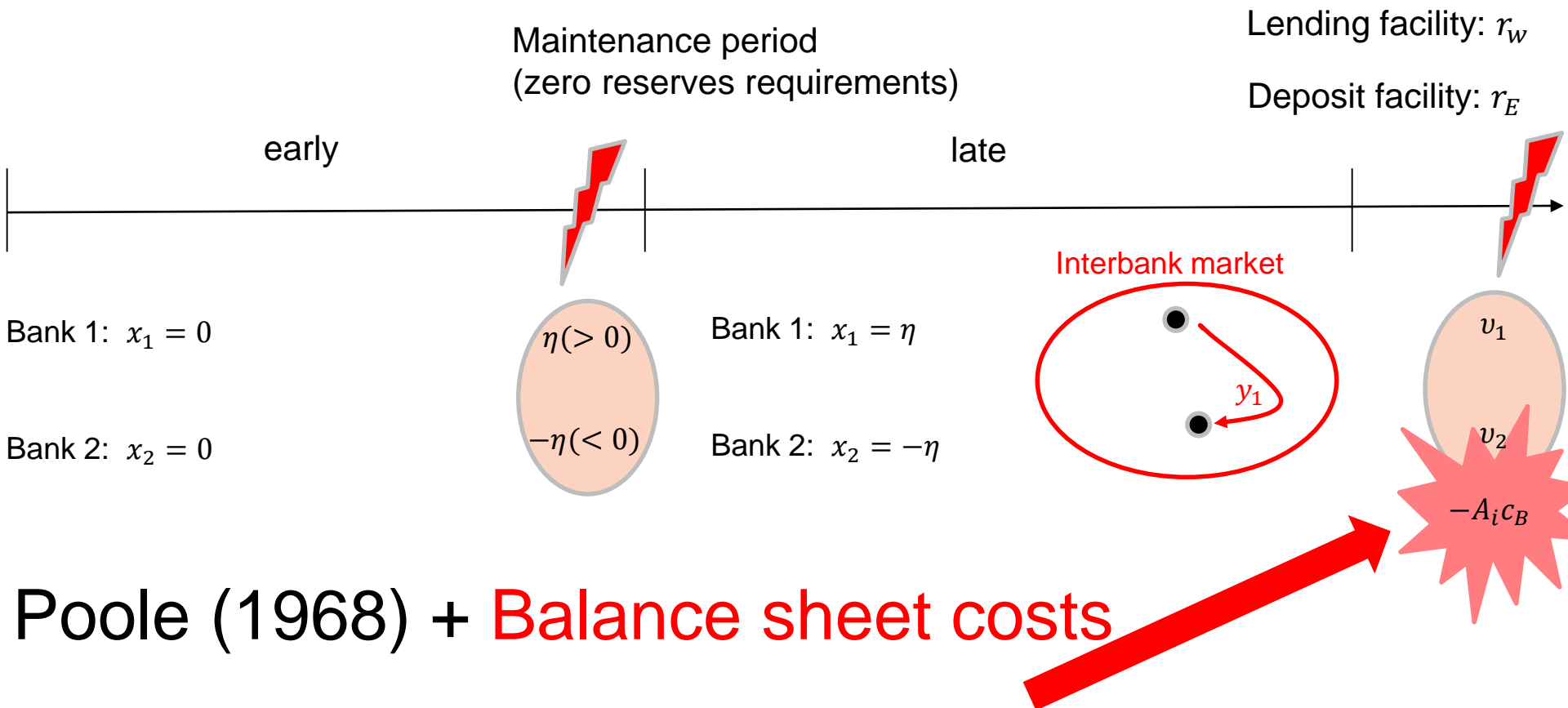


The paper in a (coco-)nutshell



Poole (1968)

The paper in a (coco-)nutshell



Results from Poole with BS costs

- **Balance sheet cost introduces a wedge** between the
 - Marginal benefit of the lender from lending 1 unit : $r_R - c_B$
 - Marginal cost of the borrower from borrowing 1 unit : r_R
- **The wedge implies there is no interbank trade if the gains from trades are too small** (large Reserve Balances)
- But $r_R \geq r_E$

Boring details

- Marginal benefit of lending: $r_R - c_B$
- Marginal cost of lending: $(r_E - c_B)P(x - l + v \geq 0) + r_w P(x - l + v < 0)$

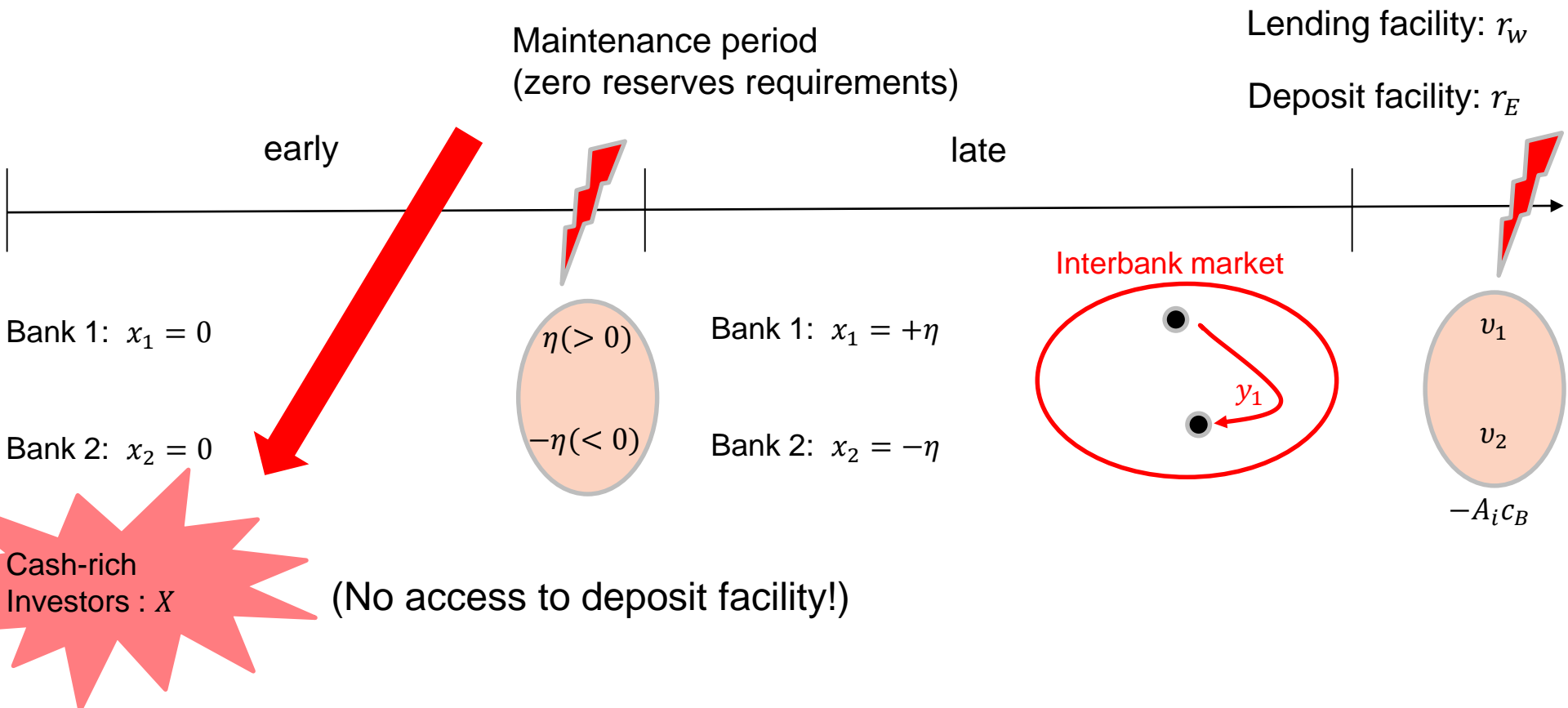
There is no lending ($l = 0$) whenever

$$r_R - c_B < (r_E - c_B)P(x + v \geq 0) + r_w P(x + v < 0)$$

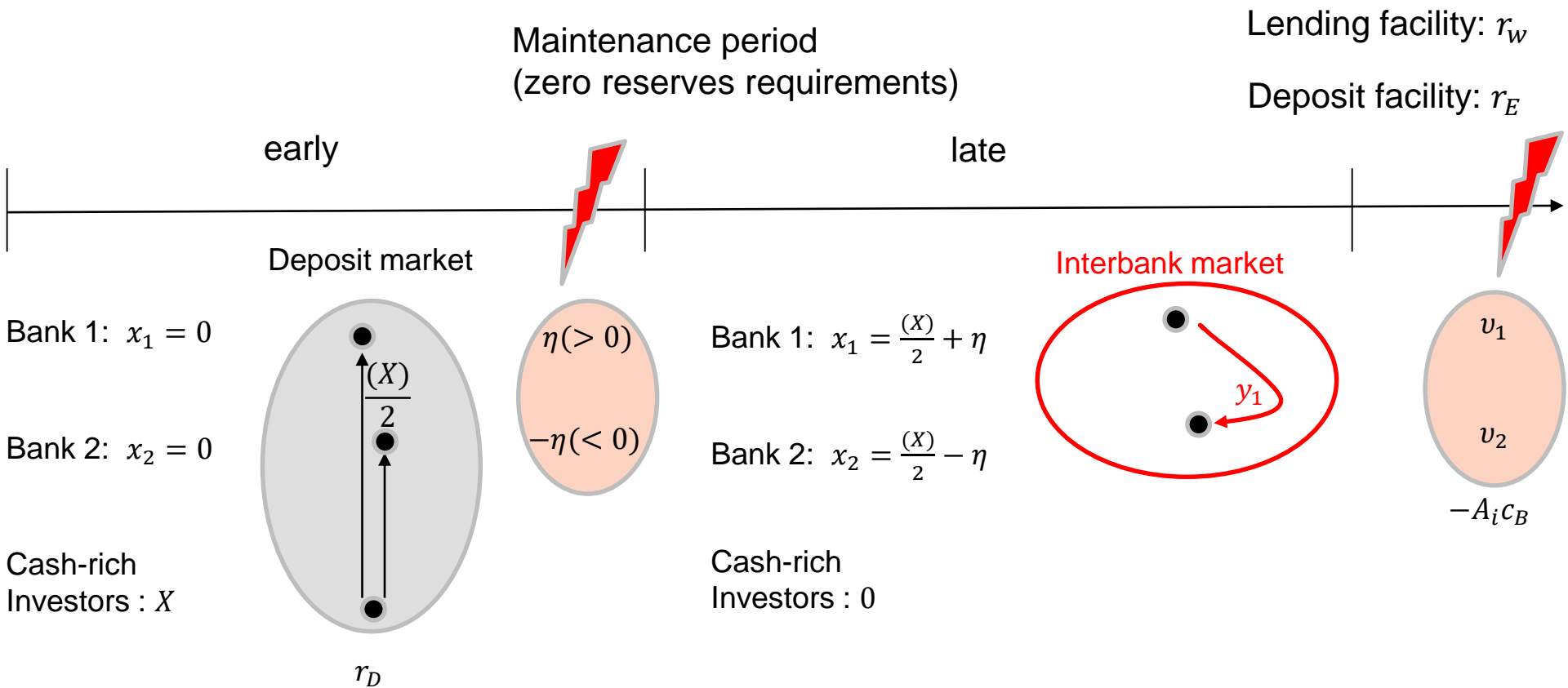
There is no borrowing ($b = 0$) if

$$r_R > (r_E - c_B)P(x + v \geq 0) + r_w P(x + v < 0)$$

The paper in a (coco-)nutshell



The paper in a (coco-)nutshell



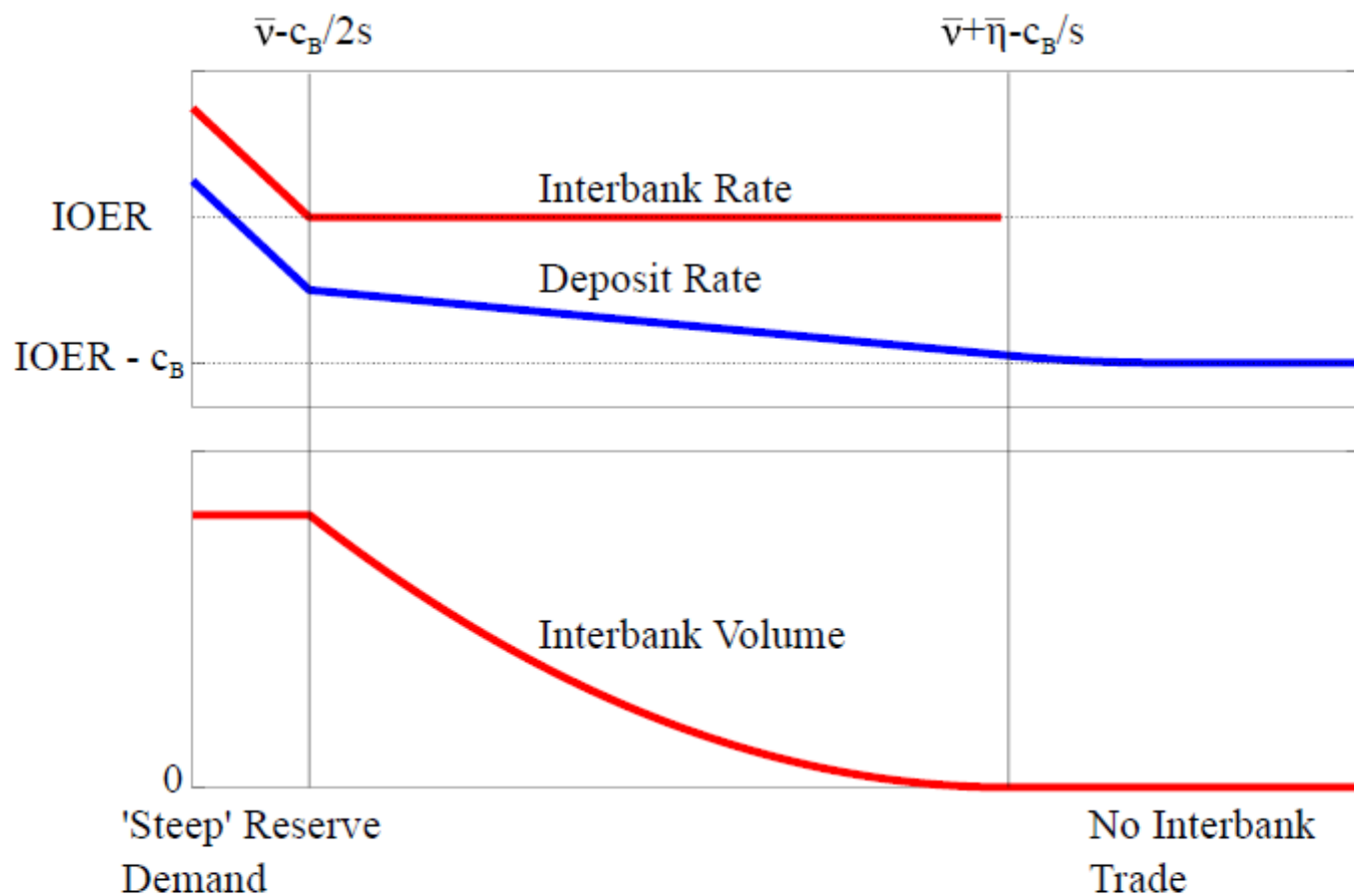
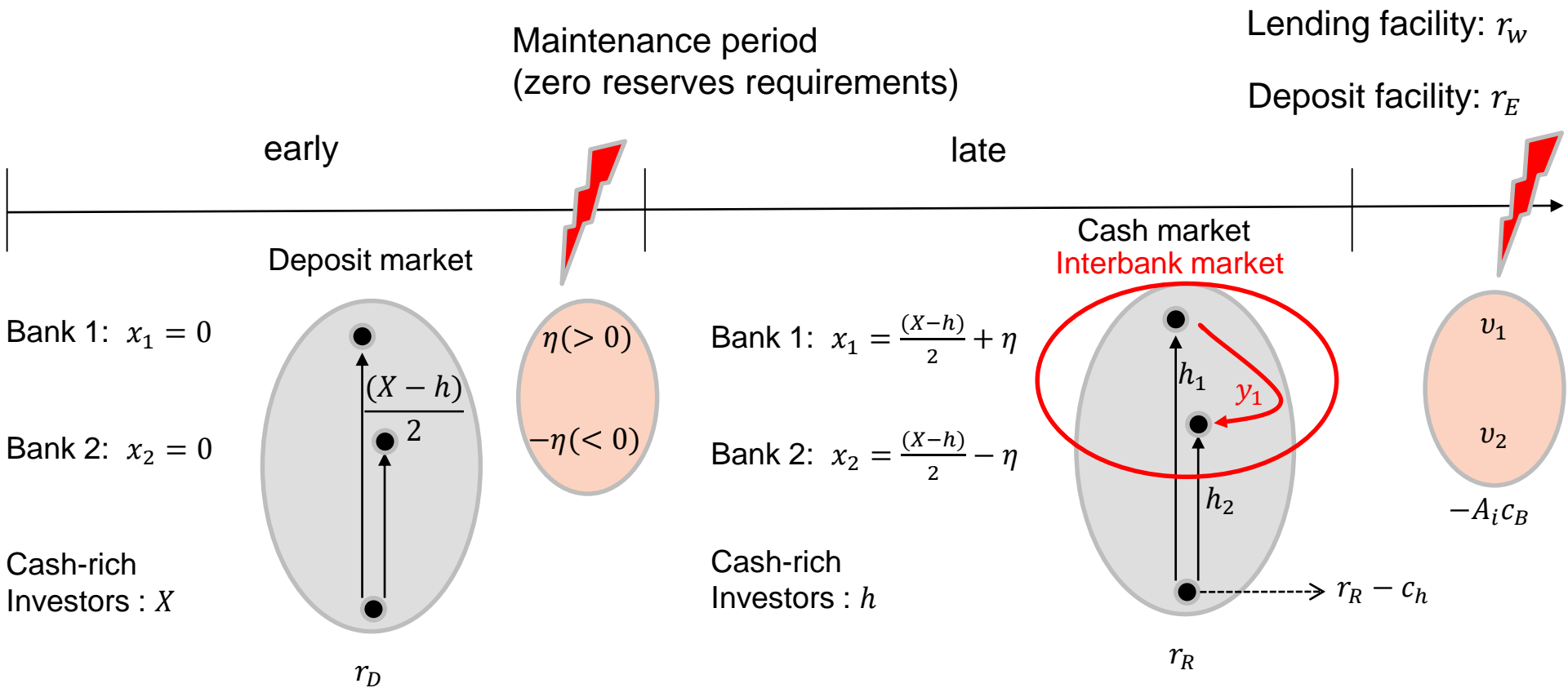


Figure 8: Future path with no late non-bank lending.

The paper in a (coco-)nutshell



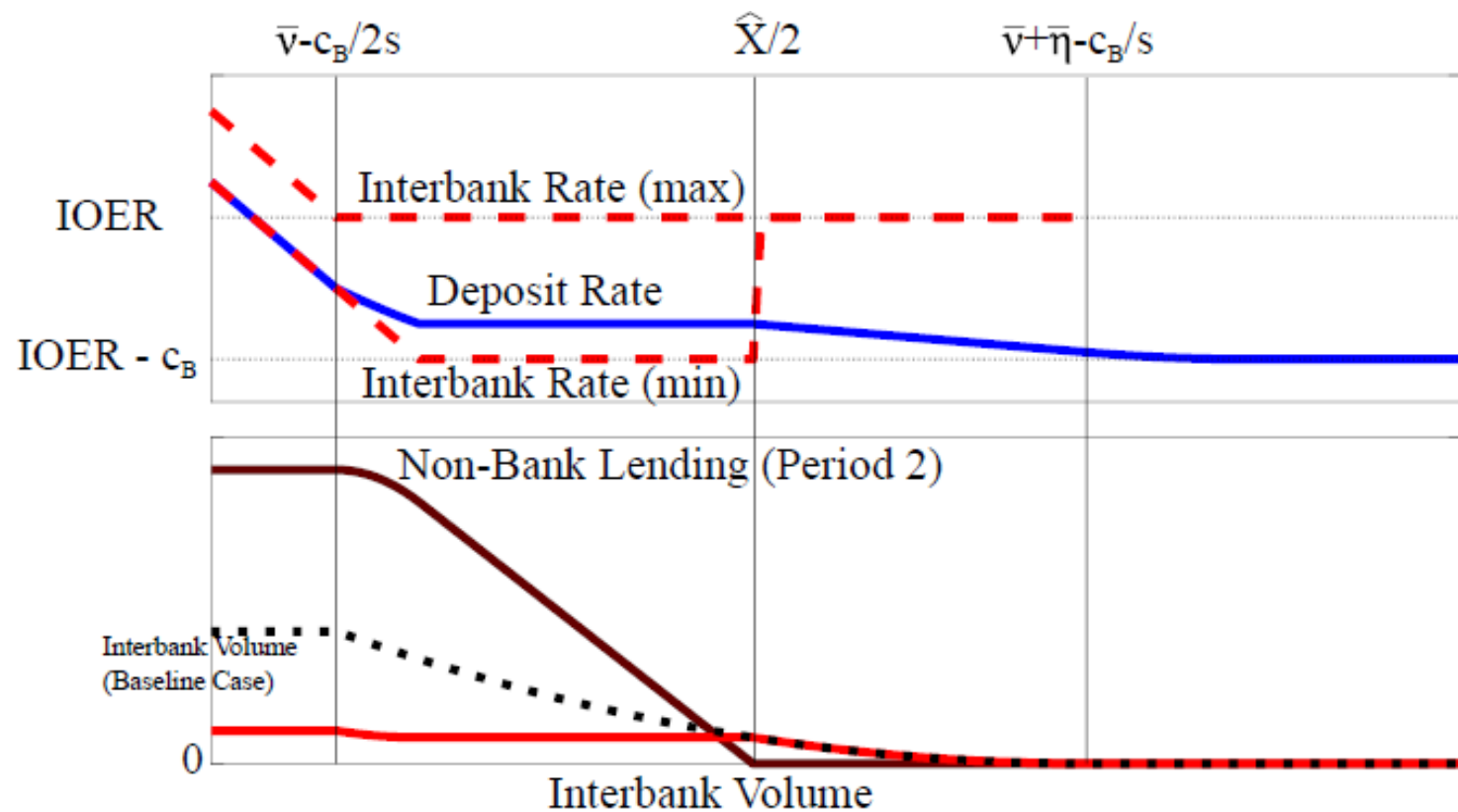


Figure 9: Future path with a constant marginal cost.

Results (in a nutshell)

- BS cost implies **interbank market can disappear** because lending is more costly
 - Needs to be sufficient gains from trade
 - If reserves are large, not enough gains
- **Distribution of reserves matters:** if all non-banks have reserves, banks prefer to borrow from them (they get better terms when non-banks have lower lending costs)

Lending by non-banks crowds out interbank lending

This can further reduce interbank trading volume

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Comments

- There is no reason to have an interbank market in the model. Balance sheet costs imply it is (first) best to have non-banks intermediate reserves.

Monetary policy works very well through RE and RW

- What are the reasons for the unsecured interbank market in practice (except saving on collateral) ?
- If interbank market is important, the model suggests it is efficient to give non-banks access to CB deposit facility (reverse repo?)

Comments

- Change the title from
 “Can the U.S. Interbank market be revived”
to
 “Should the U.S. Interbank market be revived”

Comments

- Can the model explain the recent jitters in the US money markets?
Likely not, because the model is too smooth
there is no idea of “concentration”
there is no variability
- Estimates of cB would give a couple of bp only. Does this square with J. Diamond’s claim that reserves are so desirable (relative to UST)?
- Cash-rich investors “deposit” using the repo market. QUID of collateral in the model?

Conclusion

- Nice and complete characterization of the equilibrium of the Poole model with BS costs and cash-rich investors with no access to CB facilities
 - Interbank market trades can disappear
 - Banks can borrow below the floor
- Not convinced that cash-rich investors finds it costly to lend late in the maintenance period
- The model is yet (still) too smooth
- Could be used to rationalize reverse repos ?