

Introduction

- Bankers become more **creditor friendly** by holding demand deposit or short-term debt.
 - Calomiris and Kahn 1991 AER
 - Diamond and Rajan 2000 JF, 2001JPE, 2012 JPE
- These contributions treat only one kind of bank or financial institution.

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One of important aspects of recent financial crises is **contagion**.

When a financial crisis occurs, it spreads to other institutions or areas.

How a short-term debt affects the bank manager's (borrower's) behavior in an environment where a financial contagion occurs?

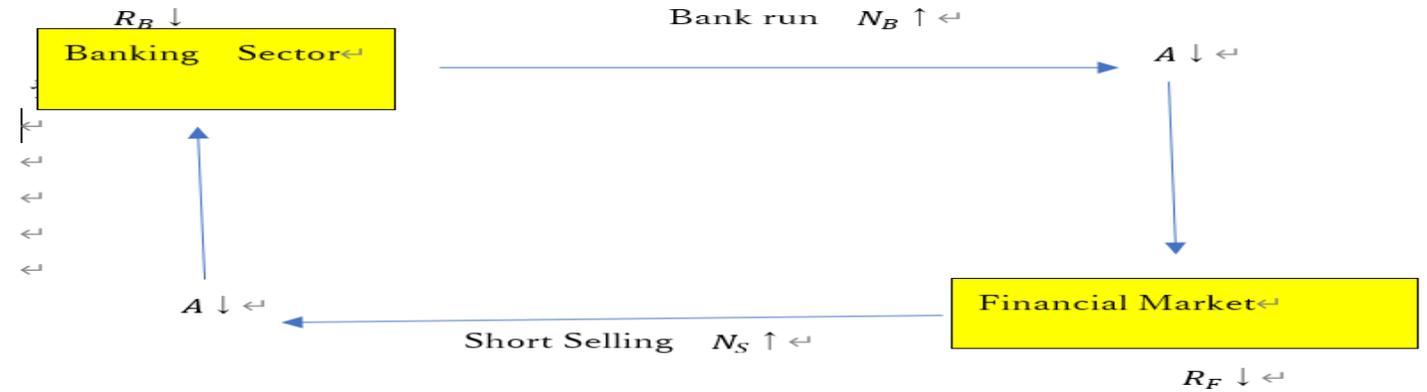
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The Model Setup

- the global game technique
- an economy which has a banking sector and a financial market
- There are three dates indexed by 0, 1, 2.
- There are **creditors** in the banking sector and **speculators** in the financial market.
- Both **creditors'** withdrawal N_B and **speculators'** short selling N_S affects aggregate profitability A .
- The bank managers' problem
 - $e \uparrow \Rightarrow R_B \uparrow \Rightarrow N_B \downarrow$ (Bank run does not occur.)
 - $e \uparrow \Rightarrow$ The cost of effort \uparrow

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Strategic Complementarity



Main Results

The bank manager **exerts less effort** by holding more short-term debt.

Sufficient Conditions

- The **speculators** have more precise information on fundamentals than the **creditors**.
- The return of financial sector is larger than that of banking sector.
- Bank run largely affects financial sector.

(intuition)



However, the bank manager cannot control speculators directly by exerting effort. 5

Conclusion

- Model where the bank is disciplined in a much simpler way than previous methods
- Contagion affects the incentive of bank manager.
- The information structure of bank creditors and speculators has an important role to decide a bank manager's behavior.
- When speculators in the financial market have much more precise information about fundamentals of the economy than that of creditors in the bank, there is a case that demand deposit or short-term debt induces the bankers to **act against creditors' interests**, which is contrary to existing studies.

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