





Banks and Mo • What are the implication	• 1		•
	As	ssets	Liabilities
	Loans	Reserves	Deposits
1 <sup>st</sup> National Bank	90	10	100
2 <sup>nd</sup> National Bank	81	9	90
3 <sup>rd</sup> National Bank And so on	72.9	8.1	81
Total	900	100	1000
			4
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## Banks and Money Supply in Words

- Suppose banks keep 10% of deposits on reserve.
- If the 1<sup>st</sup> National Bank has 100 yen in deposits, then there will be 100 \* (1/0.1) = 1000 yen in circulation
- The money multiplier is one over the reserve ratio. It tells you how much currency is generated by 1 yen of deposits.

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## What Were Kinroku Kosai?

- Bonds were priced at 5-14 times the nominal stipend value
- 5% yield
  - Bond rate should have been around 12%
- Not redeemable for 5 years and then some randomly redeemable each year for 30 years
- Magnitude
  - Issued ¥175 mil worth of bonds to 310,000 people
  - To get some sense of the magnitude consider the following

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- Gov't budget was around ¥59 million
- GNP was around ¥800mln





Date	Number of National	Assets (millions of	Bank Notes (millions of
872	Banks 0	yen)	yen)
872 873	0	3	0.9
873 874	4	3.5	0.9
375	4	3.5	0.0
876	5	2.5	1.7
377	26	23.0	13.0
878	95	33.3	24.5
379	153	40.6	34.0

Gov Pape Mor	er Bank	al Total	Specie and Convertible to Total	
1876 10	•	107	40	
1877 10	6 13	119	35	100
878 13	9 26	166	26	108
.879 13	0 34	164	26	130
880 12	4 34	159	23	148

Effect	
Value of bonds fell enormously – Removed financial strain on government	nt
Didn't create financial warriors	
Raised relative position of merchant	S
The issuance of Kinroku kosai lead, rebellion in 1877	in part, to the Satsuma
- Satsuma felt betrayed by Meiji reforms	
<ul> <li>Government won but cost of fighting w (Y27 mln) and letting banks issue mono-</li> </ul>	
<ul> <li>Prices more than doubled between 1870</li> <li>Inflation at 20% per year</li> </ul>	6 and 1881
- Badly hurt Samurai, which benefited go	overnment
– New government problem was that land	d was not reevaluated

















Institutional Borrowing				
Source	Organization	Year		
Britain	Navy	1869		
	Telegraph System	1869		
	Postal System	1872		
	Postal Savings System	1875		
	Commercial Banks	1882		
France	Army	1869		
	Primary School System	1872		
	Police	1874		
	Judicial System	1872		
	Industrial Banks			
US	Primary School System*	1879		
	National Bank System	1872		
Germany	Army*	1878		
Belgium	Bank of Japan*	1882		

