## Fiscal and financial system in japan

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THE TERM STRUCTURE OF INTEREST RATES (1) (MISHKIN, CHAPTER 6)

Term Structure o	of Interest Rates	
Interest rates on g (As of May	overnment bonds 11, 2009)	
Maturity date (years to maturity)	Interest rate	
May 2011 (2)	0.4%	
March 2014 (5)	0.9%	
March 2019 (10)	1.3%	
March 2029 (20)	2.1%	
March 2039 (30)	2.3%	
Source: Nikkei Shin	bun, May 11, 2009	
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$$\begin{pmatrix} (l+i_{1,t})(l+i_{1,t+1}^{e}) = (l+i_{2,t})^{2} \\ 1+i_{1,t}+i_{1,t+1}^{e}+i_{1,t}i_{1,t+1}^{e} = 1+2i_{2,t} + (i_{2,t})^{2} \\ i_{1,t}+i_{1,t+1}^{e} = 2i_{2,t} \\ \frac{i_{1,t}+i_{1,t+1}^{e}}{2} = i_{2,t} \\ \end{bmatrix}$$
The two-period rate must equal the average of the two one-period rates.















