$$S_b^*(t_b) = L \quad (Lod)$$

$$S_b^*(t_b) = T \quad (struggle)$$

so, if profitable project is chosen, bank's BNE is L, and firm's BIVE is T So, we can verify that note like this flow.

10.
(a)
$$V_c = 6 + 6 \cdot S + ... = \frac{6}{1 - 6}$$

 $V_0 = 4 + 4 \cdot S + ... = \frac{4}{1 - 6}$

If history is C , payoff motrix is lite this,

12			b b	
C	6+5.Vc	6 + S.Vc	2+S.VD	8+J.V0
D	8+S.Vp	2+6.Vp	4+5.Vp	4+6.Vp

If to pass single deviation test with grim trigger strategy,

$$6+5.\frac{6}{1-5} \ge 8+6.\frac{-4}{1-4}$$
 $2.5 \ge 2-25$

we need this