Exercise 5.8

Find all the subgame perfect Nash equilibria of the game shown in Figure 5.8.

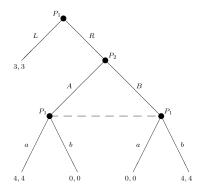


Figure 5.8 Game tree for Exercise 5.8.

(A,a), (B,b)是 simultaneous subgame的 Nash equilibria, 7科方 mixed strategy.

设Pz选A概率P, P.选a概率9

: T1 = 4PQ + 4(1-P)(1-Q)

112= 4pq + 4(1-p) (1-9)

当且仅当 p=q= 立时 T,*=T;*=1

(治6*=(1,1)

(6*,6*) 世是 simultaneous subgume的 Nash equilibria

- Subgame perfect Nash equilibria & (Ra, A), (Rb, B). (6*, 6*)