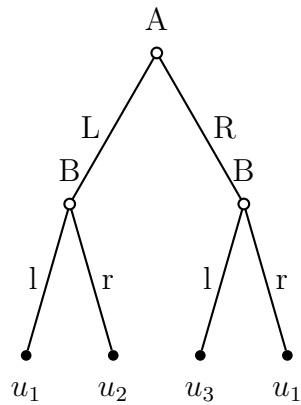


賽局論作業, Ch.2

1. The following describes a strictly competitive game. For player A,
 $u_3 \succ_A u_2 \succ_A u_1$.



- (a) Please give the strategic form of this game,
(b) Find all saddle point(s).
(c) What is the value of the game?
2. Consider a game of Nim with 4 piles of matchsticks of which the k th pile contains $2^k - 1$ matchsticks. Describe a play of the game in which the winner plays optimally while the loser always takes all matchstick(s) from a pile with the least matchsticks.
3. 2.12.15
4. 2.12.19
5. 2.12.26