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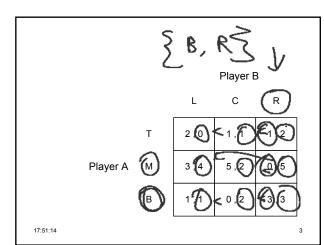
Research paper:
Chung, Barick, "Two Level Price Discrimination and Vertical Relationship" (March 05, 2012). Available at SSRN: http://ssrn.com/abstract=1997070.

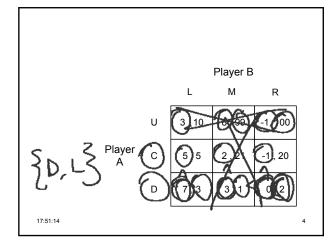
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ECO 2011 (Sections L07-10) **Basic Microeconomics**

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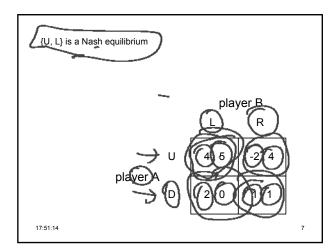




Kreps, David M., 1990, *Game Theory and Economic Modelling*, p.28: "A Nash equilibrium is an array of strategies, one for each player, such that **no player has an incentive** (in terms of improving his own payoff) **to deviate** from his part of the strategy array."

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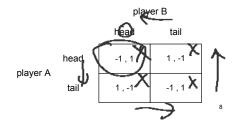
Price p^* Equilibrium p^* Market demand q^* Quantity



Game Theory .net

Matching pennies http://www.gametheory.net/dictionaccessed 20110921 nary/Games/MatchingPennies.html

accessed 20110921 to determine who is required to do the nightly chores, two children first select who will be represented by "same" and who will be represented by "different." Then, each child conceals in her palm a penny either with its face up or face down. Both coins are revealed simultaneously. If they match (both are heads or both are tails), the child "same" wins. If they are different (one heads and one tails), "different" wins. The game is equivalent to "odds or evens" and quite similar to a three strategy version - rock, paper, scissors.

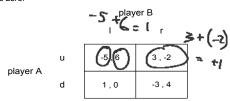


Constant sum game

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Game Theory .net

In a constant sum game, the sum of all players' payoffs is the same for any outcome. Hence, a gain for one participant is always at the expense of another, such as in most sporting events. Given the conflicting interests, the equilibrium of such games is often in mixed strategies. Since payoffs can always be normalized, constant sum games may be represented as (and are equivalent to) zero sum game in which the sum of all players' payoffs is always zero.



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Coordination game

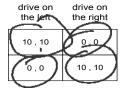
Game Theory .net

two firms must simultaneously elect a technology to use for their compatible products. If the firms adopt different standards, few sales result. A common standard leads to higher sales. One technology is significantly preferred by consumers over the other. Thus, if the companies can standardize on the preferred technology, each obtains maximal profits. This is also called a Pareto coordination game.



drive on the left player A drive on

the right

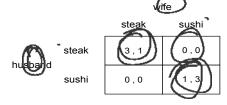


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Game Theory .net

Battle of the sexes http://www.gametheory.net/dicti accessed 20110921

A husband and wife have agreed to attend a rare entertainment event in the evening. Unfortunately, neither remembers which of the two special events in town they had agreed on - the boxing match or the opera. The husband prefers the boxing match while the wife prefers the opera; yet, both prefer being together to being apart. They must decide simultaneously and without communication which event to attend.



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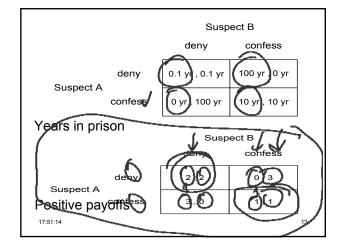
The prisoner's dilemma

Game Theory .net

http://www.gametheory.net/dictionary/Games/PrisonersDilemma.html accessed 20110921

Two conspirators are arrested and interrogated separately. If one implicates the other, he may go free while the other receives a life sentence. Yet, if both confess, bad fate befalls them. If both stay silent, insufficient evidence will lead them being charged with and convicted of a lesser crime.

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The end

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