



## Barick Chung

Employment:  
2022-present Associate Professor (Teaching), Economics, CUSZSZ.  
2014-2022 Senior Lecturer, School of Management and Economics, CUSZSZ.  
2012-2014 Lecturer, School of Economics and Finance, University of Hong Kong.  
2006-2012 Instructor, Department of Economics, CUHKHK.

Education:  
2003-2007 Ph.D. (Business) Indiana University – Bloomington.  
1987-1991 BS.Sc. (Economics) Chinese University of Hong Kong – Hong Kong.

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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$\{B, R\}$  ↓

Player B

L C R

Player A	T	2, 0	1, 1	1, 2
	M	3, 4	5, 2	0, 5
	B	1, 1	0, 2	3, 3

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Handwritten:  $\{D, L\}$

		Player B		
		L	M	R
Player A	U	3, 10	8, 90	-1, 00
	C	5, 5	2, 2	-1, 20
	D	7, 3	3, 1	0, 2

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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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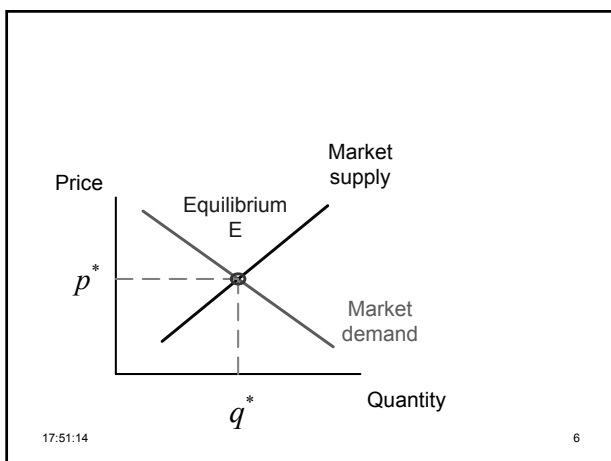
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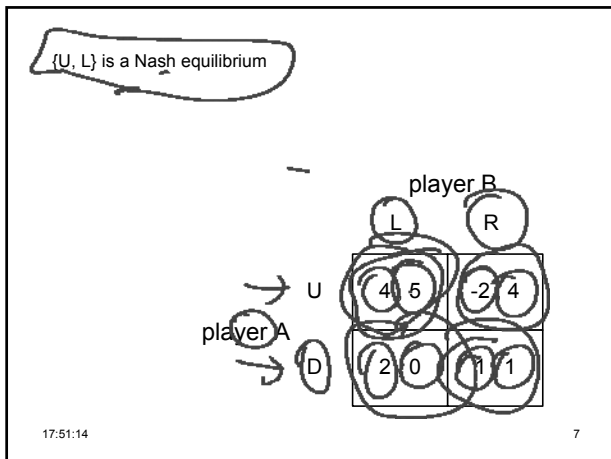
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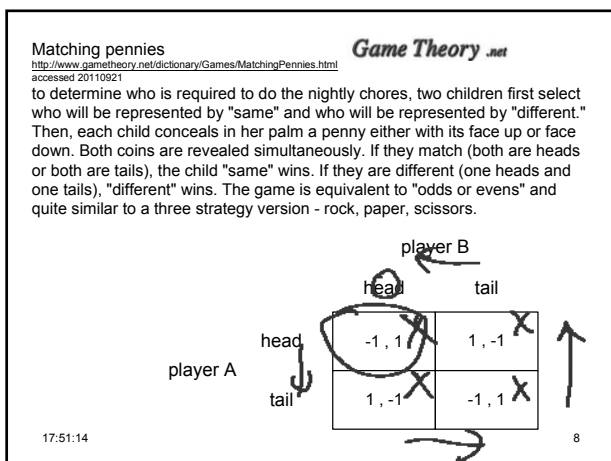
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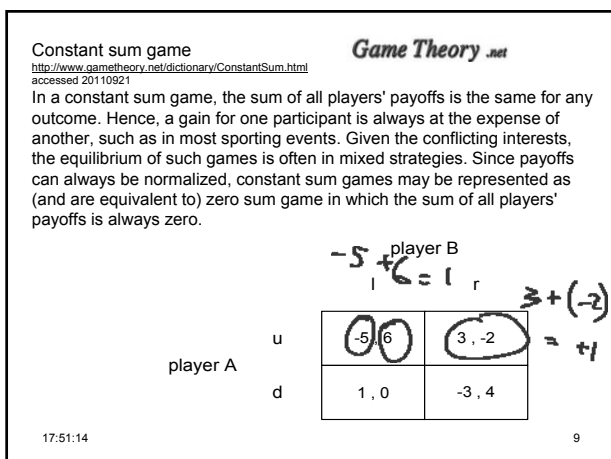
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### Coordination game

Game Theory .net

<http://www.gametheory.net/dictionary/Games/PureCoordination.html>  
accessed 20110921

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.

		player B	
		drive on the left	drive on the right
player A	drive on the left	10, 10	0, 0
	drive on the right	0, 0	10, 10

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### Battle of the sexes

Game Theory .net

<http://www.gametheory.net/dictionary/Games/BattleoftheSexes.html>  
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.

		wife	
		steak	sushi
husband	steak	3, 1	0, 0
	sushi	0, 0	1, 3

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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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		Suspect B	
		deny	confess
Suspect A	deny	0.1 yr, 0.1 yr	100 yr, 0 yr
	confess	0 yr, 100 yr	10 yr, 10 yr

Years in prison

		Suspect B	
		deny	confess
Suspect A	deny	2, 2	0, 3
	confess	3, 0	1, 1

Positive payoffs

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The end

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