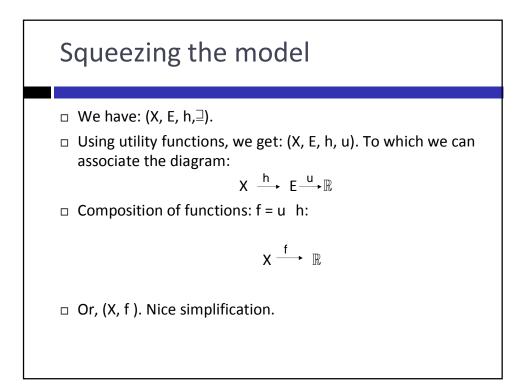
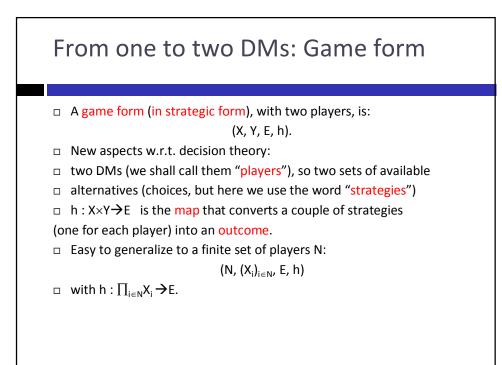
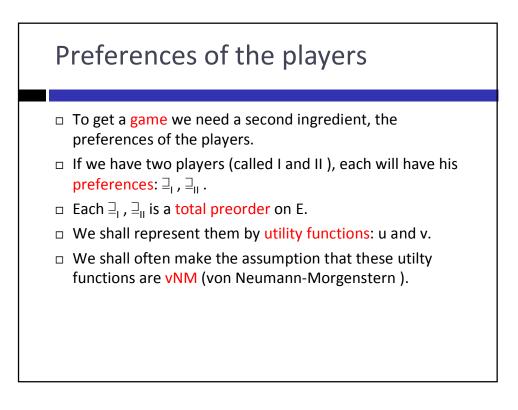


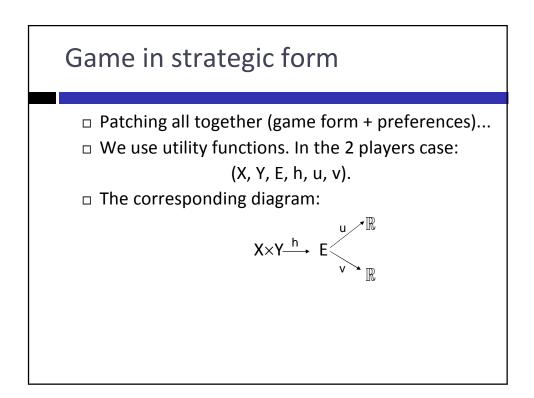
Basic model in Decision Theory (X, E, h, ⊒) where: X set of alternatives (choices) available to the DM E set of outcomes h:X→E maps alternatives into outcomes ⊒total preorder on E (math object to describe the preferences on E of the DM)

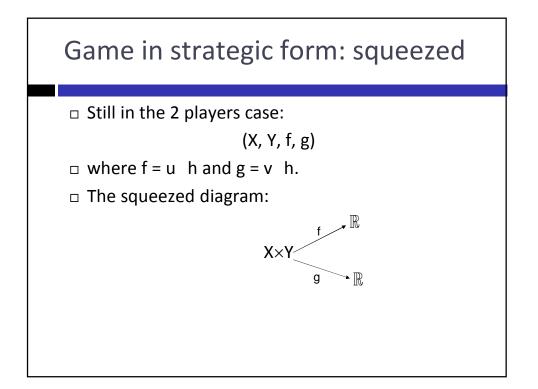
 Very important remark: the rationality assumption is essentially subsumed in the transitivity condition.









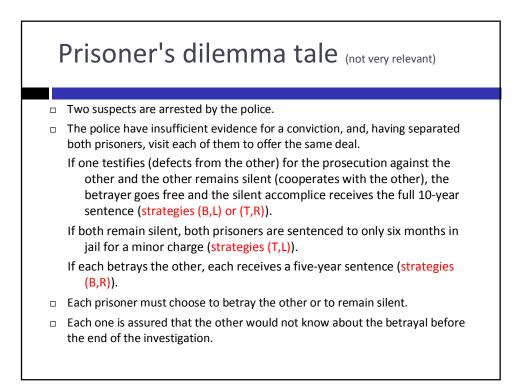


Example 1: Prisoner's dilemma

□ Consider the following game:

	L	R
Т	(3,3)	(1,4)
В	(4,1)	(2,2)

- \Box You are the row player (I).
- The left number in each cell represents the evaluation that you give to the outcome. The number on the right represents the evaluation of player (II)...
- □ Which row do you choose? T or B?



Example 2: Coordination game

□ Consider the following game:

Ì I	L	С	R
T	(0,0)	(1,1)	(0,0)
М	(0,0)	(0,0)	(1,1)
В	(1,1)	(0,0)	(0,0)

□ Again you are the row player (I).

□ Which row do you choose? T, M or B?