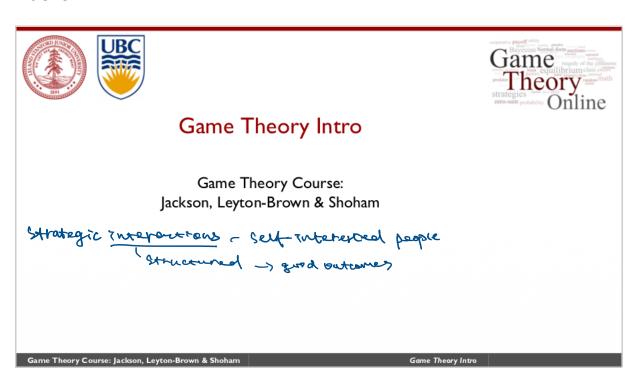
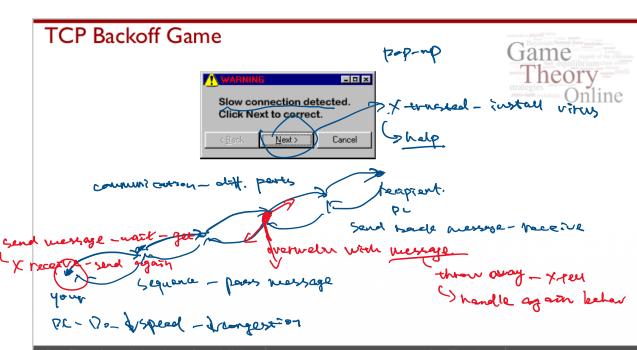
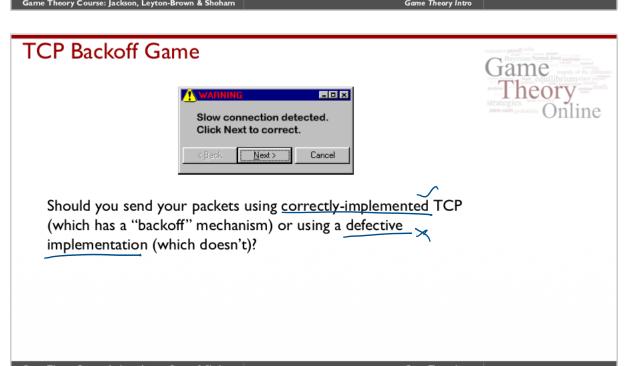


1-1-Taste-Backoff-2











Should you send your packets using correctly-implemented TCP (which has a "backoff" mechanism) or using a defective implementation (which doesn't)?

- This problem is an example of what we call a two-player game:
 - both use a correct implementation: both get I ms delay
 - one correct, one defective: 4 ms for correct, 0 ms for defective
 - both defective: both get a 3 ms delay.

TCP Backoff Game

- This problem is an example of what we call a two-player game:
 - both use a correct implementation: both get I ms delay
 - one correct, one defective: 4 ms for correct, 0 ms for defective both defective: both get a 3 ms delay.
- Play this game: in your head; with a friend; on our online system.
- Some questions to discuss after playing:
 - What action should a player of the game take?
 - Would all users behave the same in this scenario?
 - What global behavior patterns should a system designer expect? For what changes to the numbers would behavior be the same?
 - What effect would communication have?
 - Repetitions? (finite? infinite?)
 - Does it matter if I believe that my opponent is rational?



Game