

Philosophy 3334 Fall 2023  
 Reading questions #7  
 Due Tue, Oct 3

Read chapter 12.

1) Explain what the strategy 'tit for tat' is in a repeated or 'iterated' prisoner's dilemma. How is it different from 'grudger' which Dawkins mentions in chapter 10?

2) Imagine a prisoner's dilemma where the payoff table is as follows. The table comes from the payoffs in Axelrod's tournament on page 270 of the 40<sup>th</sup> anniversary edition (the one I put on blackboard):

	Cooperate	Defect
Cooperate	3,3	0,5
Defect	5,0	1,1

Now if we play an iterated game consisting of three rounds, if cooperate plays against cooperate they each get 9 (3 on each round). Defect against defect each gets 3 (1 each round) and cooperate gets 0 against defect who would get 15. Now if we added a third strategy to this three-round game Tit-for-Tat, what would the new payoff table look like? Fill in the missing numbers and explain how you got them:

	Cooperate	Defect	Tit-for-Tat
Cooperate	9,9	0,15	
Defect	15,0	3,3	
Tit-for-Tat			

3) After reading the chapters, come up with a question that you want answered or a topic that you would like to be discussed. This could be something that the chapters forced you think about or it could be something that you thought was particularly confusing in the chapters.