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INFO-F-409 - LEARNING DYNAMICS

Assignment One

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1 The Hawk-Dove game

The Hawk-Dove game was first formulated by John Maynard Smith and Georg Prince in 1973 [1] and the resulting payoff matrix can bee seen in 1.

Table 1: Hawk-Dove Payoff Matrix

		Player Two	
		Hawk	Dove
Player One	Hawk	<div><div>$(V-D)/2$</div><div>$(V-D)/2$</div></div>	<div><div>0</div><div>V</div></div>
	Dove	<div><div>0</div><div>V</div></div>	<div><div>$V/2-T$</div><div>$V/2-T$</div></div>

2 Which social dilemma?

3 Sequential truel

References

- [1] J. Maynard Smith and G. R. Price. The logic of animal conflict. *Nature*, 246(5427):15–18, 1973.