

Chapter 10 Homework

1December 2023

For Chapter 10 (optional) homework, answer the following:

- Consider the following 3-person total conflict game involving Eddie, Sara, and Tony, where each player can play one of two strategies: (1) or (2). Payoffs are given in Tables 1 & 2 as (Eddie, Sara, Tony). Solve for the optimal strategy for each player!

Table 1: Payoffs assuming Tony plays strategy (1)

	Sara (1)	Sara (2)
Eddie (1)	(1,1,-2)	(-4,3,1)
Eddie(2)	(2,-4,2)	(-5,-5,10)

Table 2: Payoffs assuming Tony plays strategy (2)

	Sara (1)	Sara (2)
Eddie(1)	(3,-2,-1)	(-6,-6,12)
Eddie (2)	(2, 2, -4)	(-2,3,-1)

Let me know if you have questions. This assignment is purely optional!