- Consider a slight variation of the dynamic monopoly game analyzed in this chapter. Suppose there is only one high-type customer (Hal) and only one low-type customer (Laurie).
  - (a) Analyze this game and explain why  $p_2 = 200$  is not optimal if Hal does not purchase a monitor in period 1. Find the optimal pricing scheme for Tony. Discuss whether Tony would gain from being able to commit to not selling monitors in period 2.

	Period 1	Period 2	Pz=zoo is not optemal because it rields 400 while Pz=soo yields 500
Benefit to Hal	1200		IF P,=1700, Pz=200 Ptotal=1900
Benefit to Laurie	500	200	Na Way to Make enaugh & off Hal in P, to cover losses of not selling to Laurie

(b) Finally, analyze the game with one of each type of customer and ownership benefits given in the following figure. In this case, would Tony gain from being able to commit to not selling monitors in period 2?

	Period 1	Period 2
Benefit to Hal	1200	300
Benefit to Laurie	500	200

Na Way to Make enaugh & off Hal in to coverlosses of not selling to Laurie

IF Hal doesn't buy OF til & 300 4 200 4200 So Ri=200 Had buys @ 6=1 7, 1500-1, 2300-200 71, 41400 IT-1600. Tany would goin if he could committe