

Stochastic Math Models (550.252)
Homework 2 (Due Thursday, September 15, 2011)

General Directions: You must show all work and document any assumptions to receive full credit. When formulating models, make sure to define your variables and label your objective function and constraints. Use Excel to solve all systems of equations.

1. Lawrence & Pasternack 12.17
2. Lawrence & Pasternack 12.18. To solve this problem one should assume that the market share of the three stations is the same for the 300 cars owned by tourists as it is for the 2,000 cars owned by the residents of the town.
3. Lawrence & Pasternack 12.19
4. Lawrence & Pasternack 12.26
5. Lawrence & Pasternack 12.27
6. Lawrence & Pasternack 12.28