IEOR E4601: Dynamic Pricing and Revenue Management Lecture 7: Assortment optimization under MNL

1 Study Guide

By the end of this lecture, you should be able to

- 1. State the assortment optimization problem and explain its connection to price optimization.
- 2. Derive the alternative formulation that leads to the binary search algorithm.
- 3. Perform the binary search algorithm.
- 4. Derive the alternative formulation that leads to the direct search algorithm.
- 5. Perform the direct search algorithm.

2	Reca	call of MNL and problem statement									
Dis	cussion:	How can	assortmen	nt optimi	zation be	e consider	red as a s	pecial case	of price of	ptimizati	ion?

3 Binary search algorithm

