Econ 308 - Exercise 4 (S09) Construction of Demand & Supply Schedules

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PART A: Seller 1 Supply Schedule S1



Bushel Unit	Seller 1 Price
1	\$10
2	\$50
3	\$80
4	\$∞
5	\$∞
6	\$∞
•	•
•	•
•	•

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PART A: Seller 2 Supply Schedule S2



Bushel Unit	Seller 2 Price
1	\$10
2	\$40
3	\$∞
4	\$∞
•	•
•	•
•	•

PART A: Seller 3 Supply Schedule S3



Bushel Unit	Seller 3 Price
1	\$50
2	\$70
3	\$90
4	\$∞
•	•
•	•
•	•

PART A: True Total Supply Schedule S



PART B: Buyer 1 Demand Schedule D1



Bushel Unit	Buyer 1 Price
1	\$80
2	\$70
3	\$30
4	\$ O
•	•
•	•
•	•

PART B: Buyer 2 Demand Schedule D2



Bushel Unit Buyer 2 Price

1	\$80
2	\$70
3	\$60
4	\$40
5	\$30
6	\$ 0
•	•
•	•

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PART B: True Total Demand Schedule D



8

PART C: CMC Points (S=D) Not Unique

Part C (Remark): Inframarginal (traded) units versus extramarginal (non-traded) units at the CMC Pts

PART D: Net Buyer Surplus and Net Seller Surplus at any CMC Point (S=D)

PART E: Total Net Surplus at any CMC Point (S=D)

Part F: Profitable Opportunity for Seller 2? (NOTE: Auctioneer sets P* at midpoint of CMC price interval)

Part F: Profitable Opportunity for Seller 2? Suppose S2 raises his *expressed* reservation price on his 2rd quantity unit from \$40 to \$60 ??

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