Trevor Anderson tba428

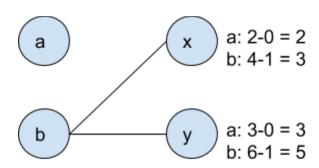
Chapter 10

 Suppose we have a set of 2 sellers labeled a and b, and a set of 2 buyers labeled x and y. Each seller is offering a distinct house for sale, and the valuations of the buyers for the houses are as follows.

Buyer	Value for a's house	Value for b's house
X	2	4
y	3	6

Suppose that a charges a price of 0 for his house, and b charges a price of 1 for his house. Is this set of prices market-clearing? Give a brief (1-3 sentence) explanation; as part of your answer, say what the preferred-seller graph is with this given set of prices, and use this in your explanation.

No, this is not a market clearing price. This is because both buyers get a maximum payoff with seller b's house. The preferred seller graph has both buyers with a line leading to seller b.

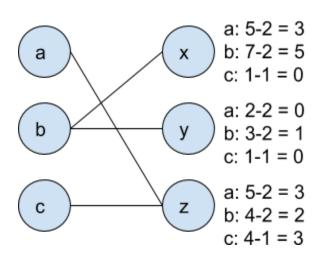


 Suppose we have a set of 3 sellers labeled a, b, and c, and a set of 3 buyers labeled x, y, and z. Each seller is offering a distinct house for sale, and the valuations of the buyers for the houses are as follows.

Buyer	Value for a's house	Value for b's house	Value for c's house
X	5	7	1
y	2	3	1
Z	5	4	4

Suppose that sellers a and b each charge 2, and seller c charges 1. Is this set of prices market-clearing? Give a brief explanation.

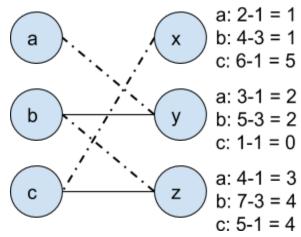
This is not a market clearing price, due to both buyers x and y having a preferred seller b.



3. Suppose we have a set of 3 sellers labeled a, b, and c, and a set of 3 buyers labeled x, y, and z. Each seller is offering a distinct house for sale, and the valuations of the buyers for the houses are as follows.

Buyer	Value for a's house	Value for b's house	Value for c's house
X	2	4	6
у	3	5	1
Z	4	7	5

Suppose that sellers a and c each charge 1, and seller b charges 3. Is this set of prices market-clearing? Give a brief explanation.



Yes, this is a market clearing price, because all buyers can achieve their maximum payoff with the above shown matching (dotted lines).