



Fundamentals

- Competitive market
- Competitive equilibrium (CE)
- Partial equilibrium (PE)
- General equilibrium (GE)































Equilibrium/market-clearing allocations and prices

- Demand = supply
 - All goods sold out and all money spent
- Each buyer maximizes utility
 - Maximizes BPB

































Theorem: There exist market-clearing allocations (or prices) iff each good has an interested buyer (someone who gets positive utility for that good)
Theorem 5.1 (AGT pg. 107)
Prove that if each good has an interested buyer then

All goods are sold out

- 2. Each buyer spends all their money while maximizing their utility
- You prove the reverse direction



















Formal study of *network flow*

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