

The Basic Theorem

- The basic theorem in welfare economics: A market, exchange, economy will achieve efficient resource allocation.
- We intend to show the basics of that proof.

Some Basic Assumptions

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- There are two factors of production, capital, K, and labor, L.

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- There are two factors of production, capital, K, and labor, L.

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• These two factors of production can be used to produce either apples or bananas.

Three Basic Questions

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- How should the apples and bananas be allocated between Harry and Sally?

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- How should the apples and bananas be allocated between Harry and Sally?
- How should capital and labor be allocated to the production of apples and bananas?





























Pareto Optimality

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- When they are on the contract curve, we say that they have achieved Pareto Optimality, the economist's equivalent of "bliss".
- It is impossible to make Harry better off without making Sally worse off (or vice versa)
- If they are not on the contract curve, it is possible to make one or both better off without making the other worse off.







Two Qualifications

- Consumer Sovereignty
 - Are we comfortable with welfare checks being spend on drugs and alcohol?
 - Do we think children know what is best for them?

Two Qualifications

- Consumer Sovereignty
- Do we have anything to say about the right point on the contract curve?





















The Fundamental Theorem

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- For any starting point there is a price p_b which will lead both Harry and Sally to move to the same point on the contract curve.
- That is, there is a price that equates supply and demand. It puts Harry and Sally on the contract curve

Summary

•Normal trading gets Pareto Optimality in distribution.

MRS(Harry) = MRS(Sally)

•More to Come

