

chapter:
5

**>> Price Controls and
Quotas: Meddling with
Markets**

**Krugman/Wells
Economics**

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WHAT YOU WILL LEARN IN THIS CHAPTER:

- The meaning of **price controls** and **quantity controls**, two kinds of government interventions in markets.
- How price and quantity controls create problems and can make a market inefficient.
- What **deadweight** loss is.
- Why the predictable side effects of intervention in markets often lead economists to be skeptical of its usefulness.
- Who benefits and who loses from market interventions, and why they are used despite their well-known problems.

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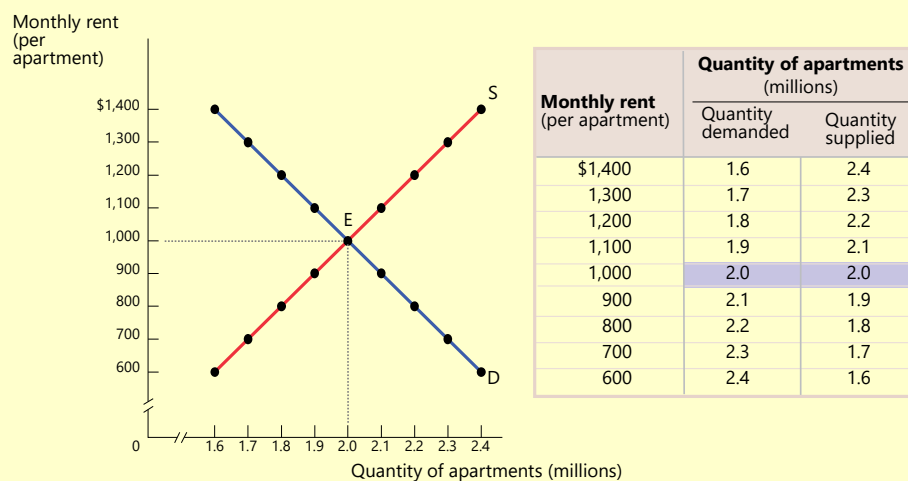
Why Governments Control Prices

- The market price moves to the level at which the quantity supplied equals the quantity demanded. BUT this equilibrium price does not necessarily please either buyers or sellers.
- Therefore, the government intervenes to regulate prices by imposing **price controls**, which are legal restrictions on how high or low a market price may go.
- **Price ceiling** is the maximum price sellers are allowed to charge for a good or service.
- **Price floor** is the minimum price buyers are required to pay for a good or service.

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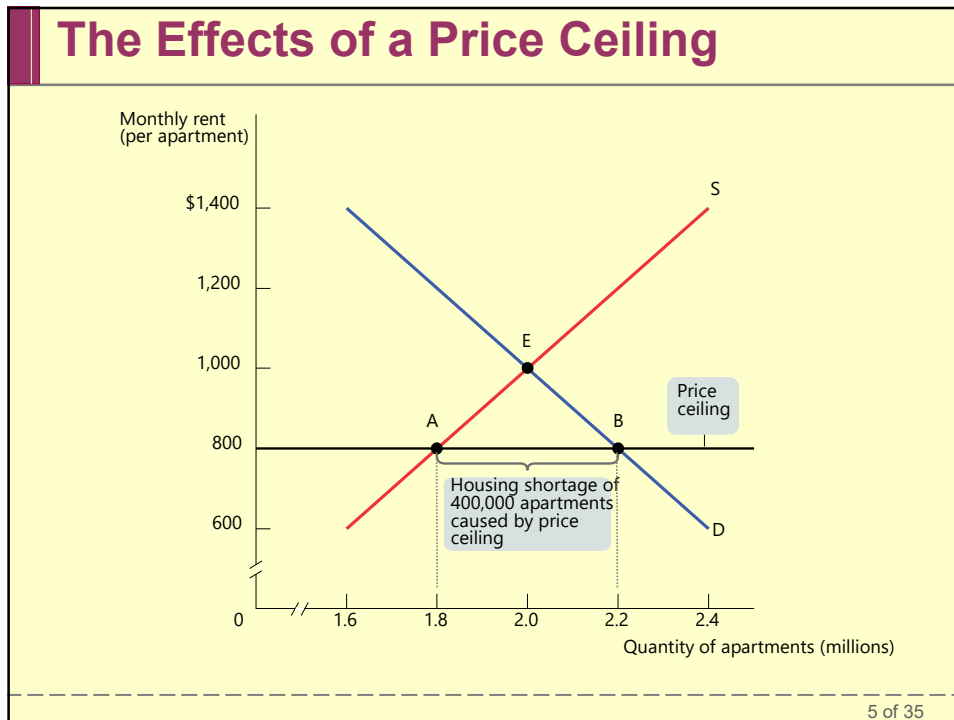
The Market for Apartments in the Absence of Government Controls



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The Effects of a Price Ceiling



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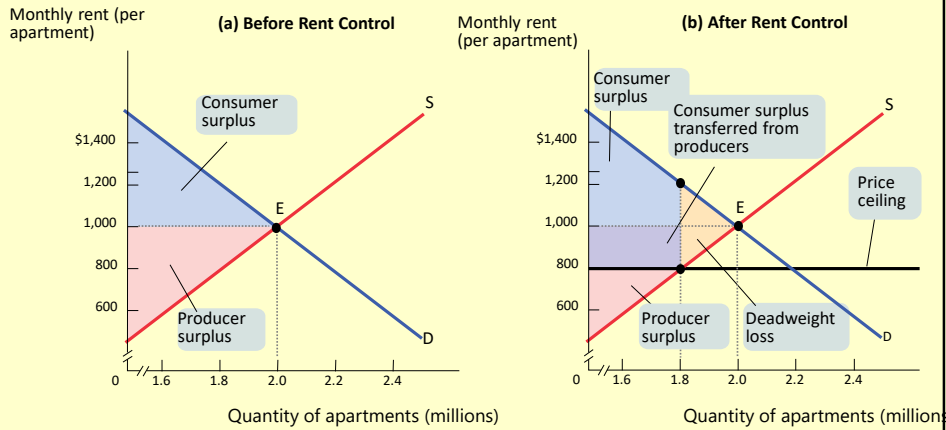
How Price Ceilings Cause Inefficiency

- Inefficiently Low Quantity
 - Deadweight loss is the loss in total surplus that occurs whenever an action or a policy reduces the quantity transacted below the efficient market equilibrium quantity
- Inefficient Allocation to Customers
- Wasted Resources
- Inefficiently Low Quality
- Black Markets

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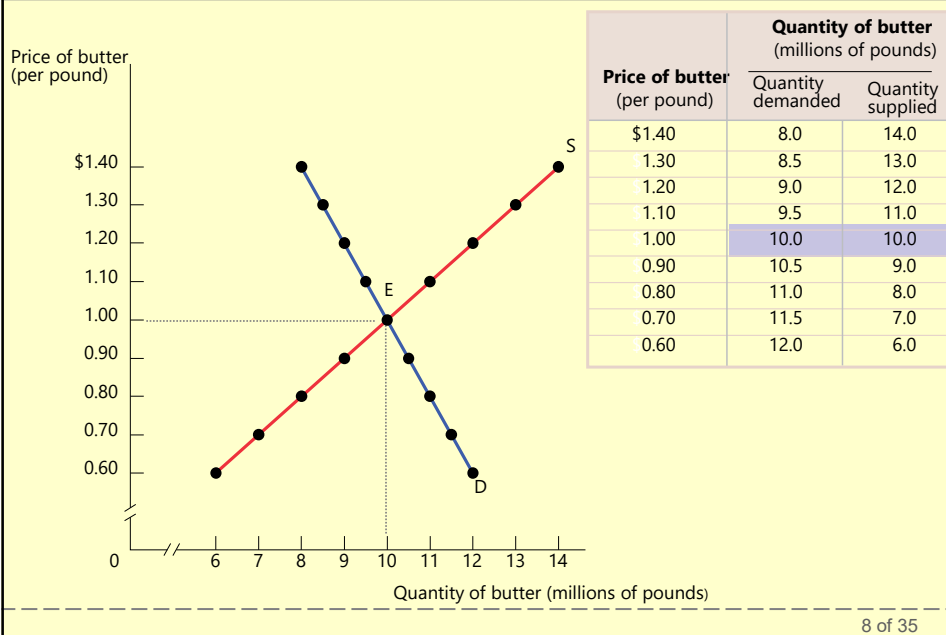
Winners and Losers from Rent Control



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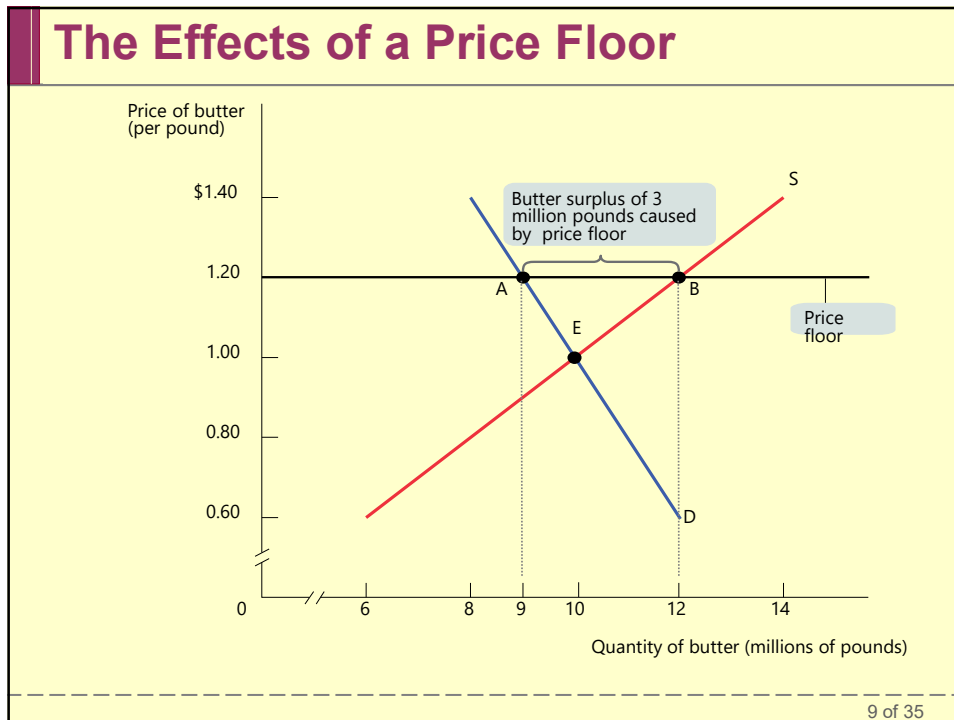
The Market for Butter in the Absence of Government Controls



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The Effects of a Price Floor



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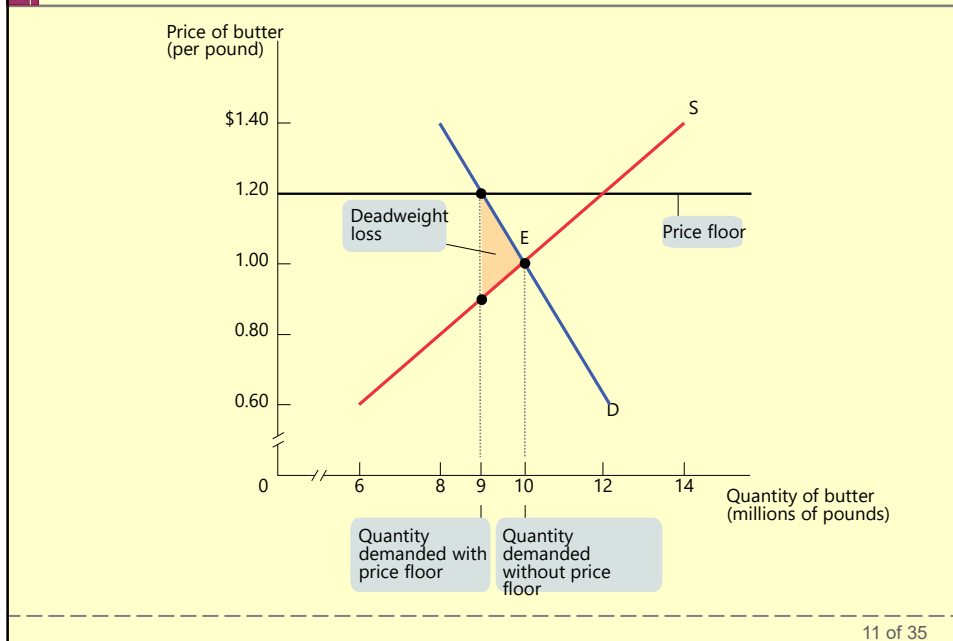
How a Price Floor Causes Inefficiency

- The persistent surplus that results from a price floor creates missed opportunities—inefficiencies—that resemble those created by the shortage that results from a price ceiling. These include:
 - Deadweight loss from inefficiently low quantity
 - Inefficient allocation of sales among sellers
 - Wasted resources
 - Inefficiently high quality
 - Temptation to break the law by selling below the legal price

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A Price Floor Causes Inefficiently Low Quantity



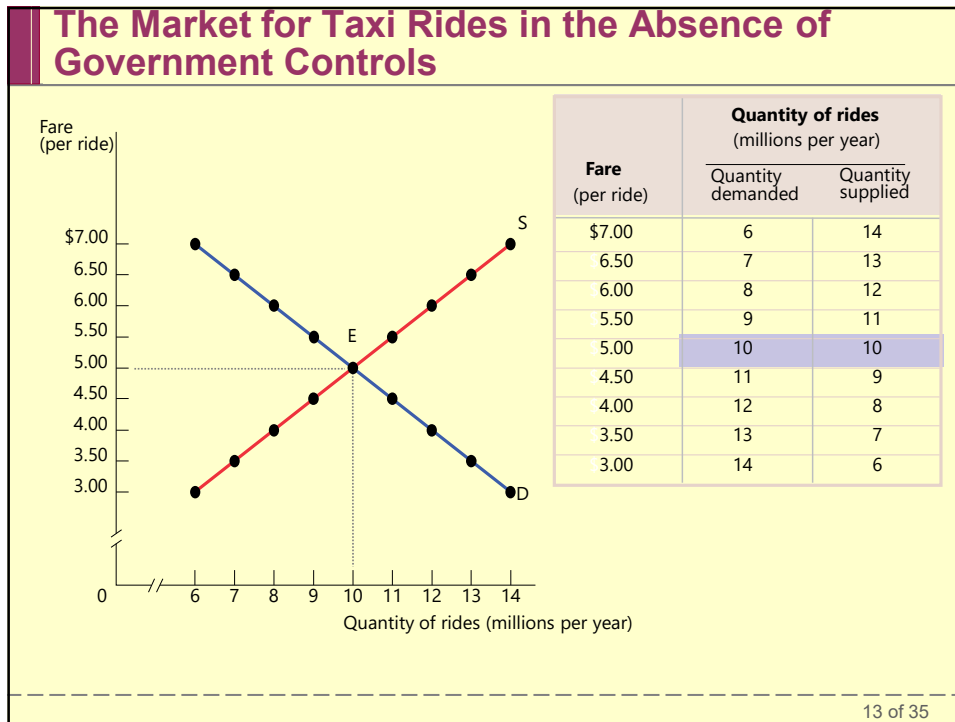
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Controlling Quantities

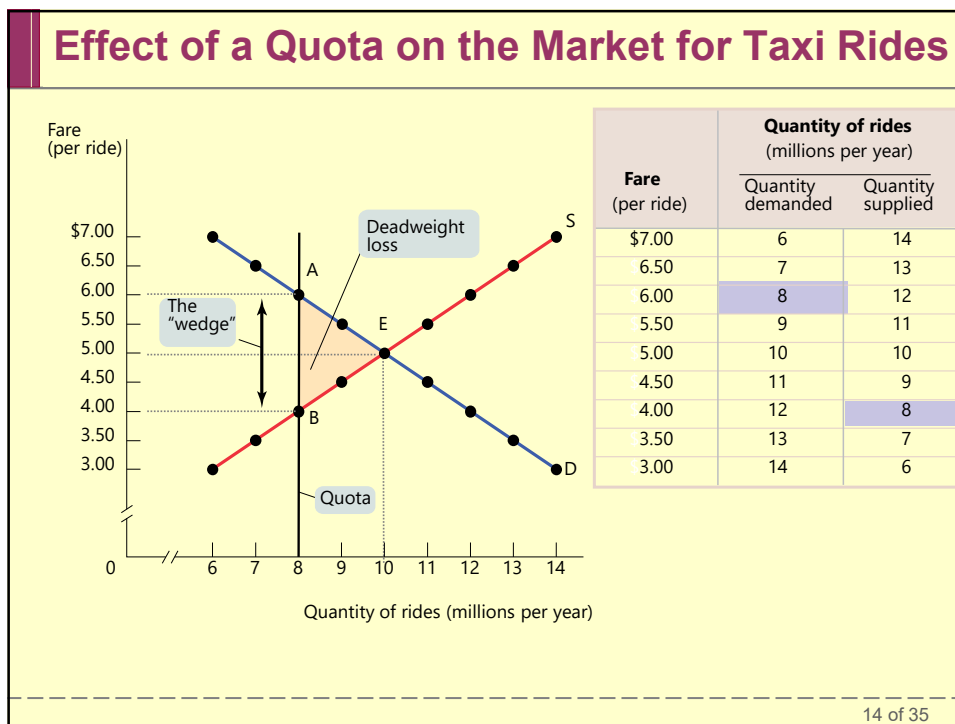
- A **quantity control**, or **quota**, is an upper limit on the quantity of some good that can be bought or sold. The total amount of the good that can be legally transacted is the **quota limit**. An example is the taxi medallion system in New York.
- A **license** gives its owner the right to supply a good.
- The **demand price** of a given quantity is the price at which consumers will demand that quantity.
- The **supply price** of a given quantity is the price at which producers will supply that quantity.

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The End of Chapter 5

Coming attraction:
Chapter 6:
Elasticity

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