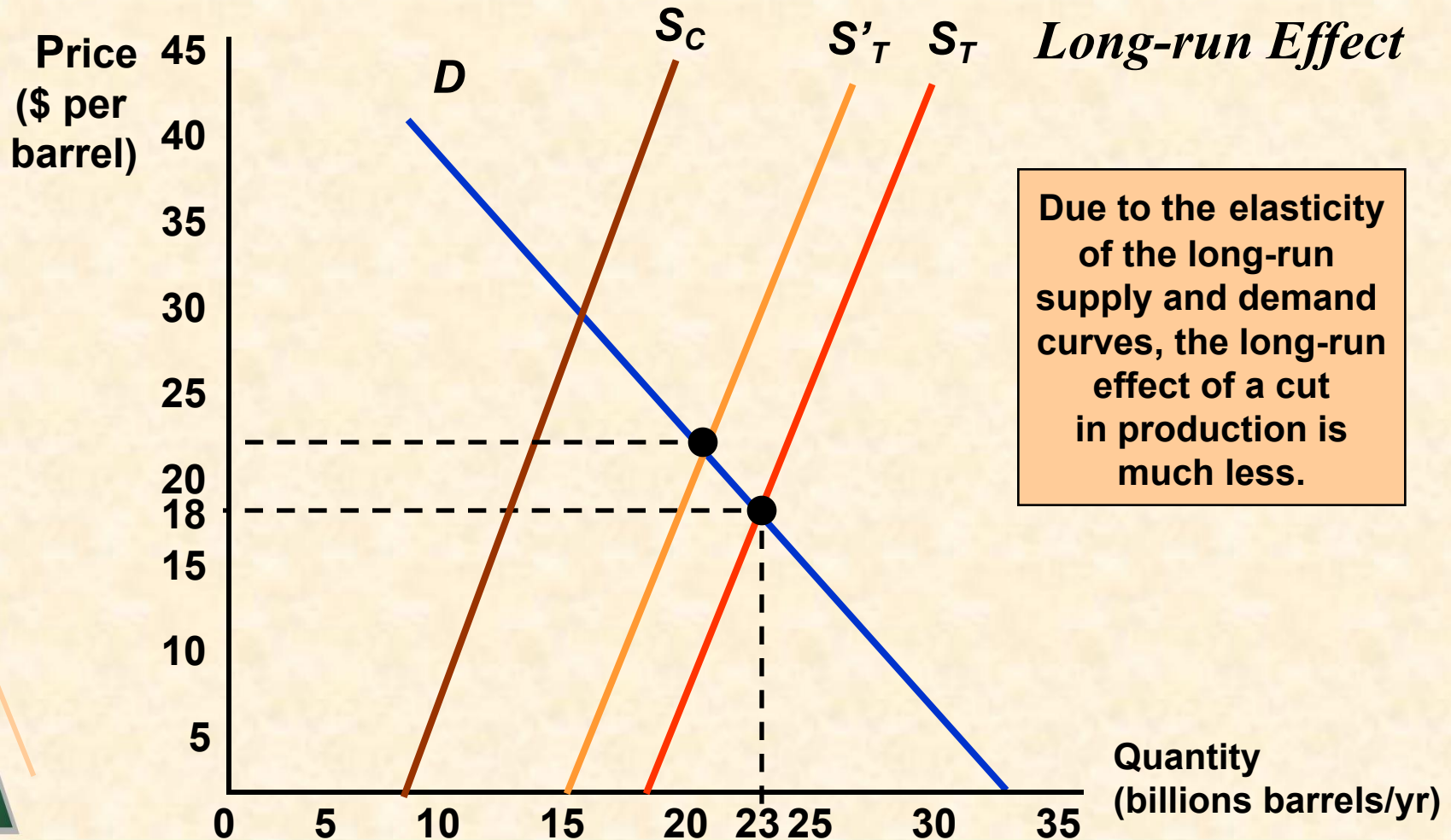


Impact of Saudi Production Cut

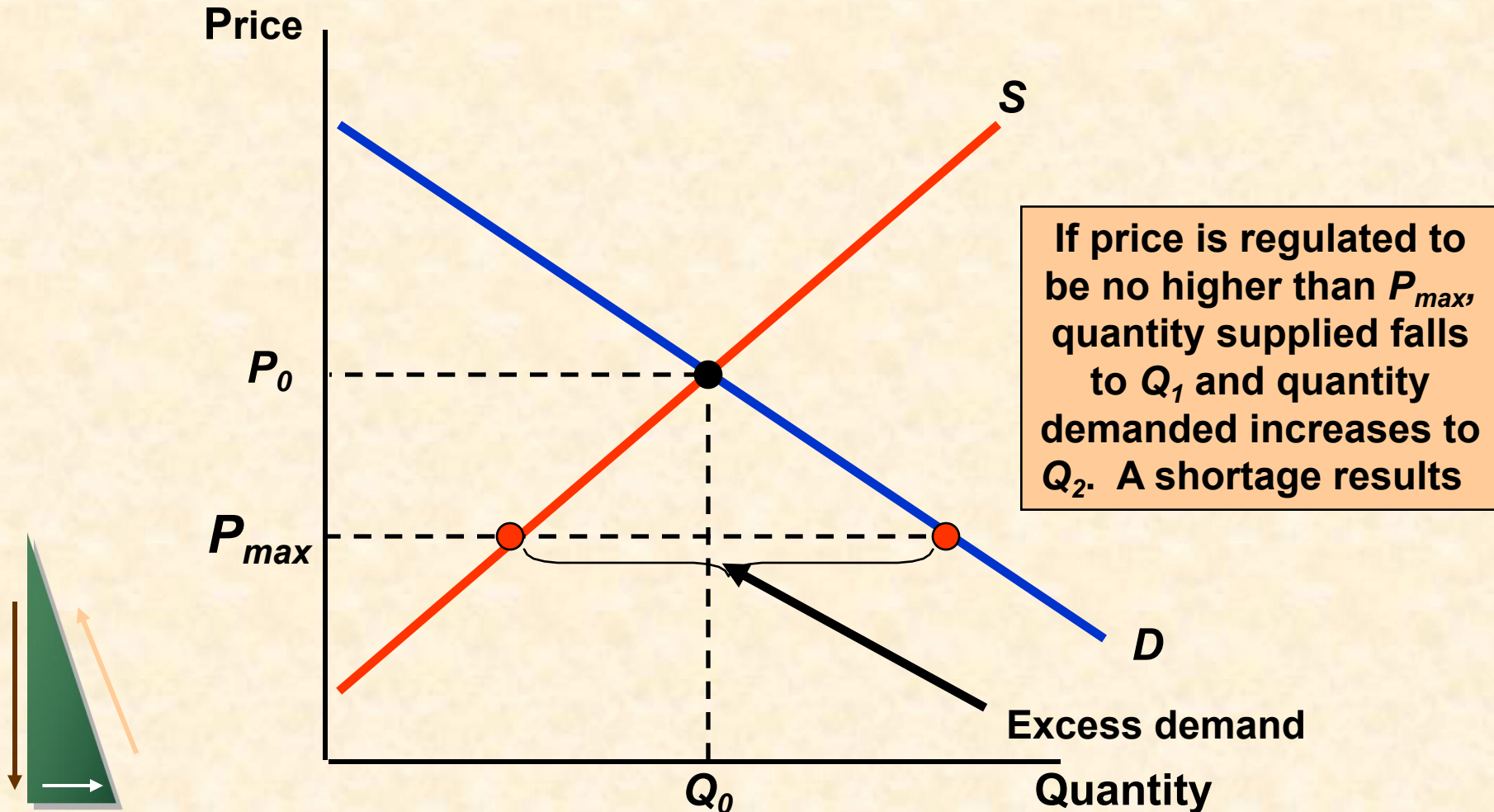


Price Controls

- If the government decides that the equilibrium price is too high, they may establish a maximum allowable *ceiling price*.



Effects of Price Controls



Price Controls and

高参考价值的真题、答案、学长笔记、辅导班课程，访问：www.kaoyancas.net

Natural Gas Shortages

- In 1954, the federal government began regulating the wellhead price of natural gas.
- In 1962, the ceiling prices that were imposed became binding and shortages resulted.



Price Controls and

高参考价值的真题、答案、学长笔记、辅导班课程，访问：www.kaoyancas.net

Natural Gas Shortages

- Price controls created an excess demand of 7 trillion cubic feet.
- Price regulation was a major component of U.S. energy policy in the 1960s and 1970s, and it continued to influence the natural gas markets in the 1980s.



Price Controls and Natural Gas Shortages

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The Data: Natural Gas

$$P_E^S = 0.2$$

Cross elasticity of supply for oil = 0.1

$$P_E^D = -0.5$$

Cross elasticity of demand for oil = 1.5

$$\text{Supply} : Q = 14 + 2P_G + .25P_O$$

$$\text{Demand} : Q = -5P_G + 3.75P_O$$

$$\text{Supply} = \text{Demand} @ \$2/\text{Tcf}$$



Price Controls and

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Natural Gas Shortages

The Data: Natural Gas

1975 regulated price = \$1.00

At \$1.00/TcF

$Q_S = 18 \text{ TcF}$ and $Q = 25 \text{ TcF}$

Shortage = 7 TcF/yr



Summary

- Supply-demand analysis is a basic tool of microeconomics.
- The market mechanism is the tendency for supply and demand to equilibrate, so that there is neither excess demand nor excess supply



Summary

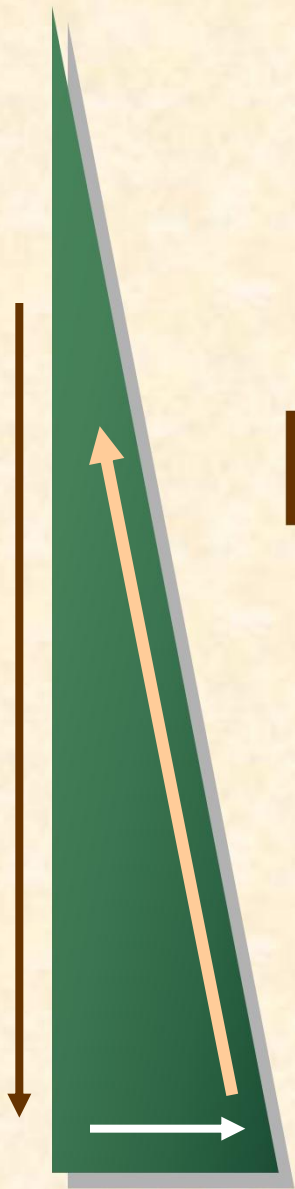
- Elasticities describe the responsiveness of supply and demand to changes in price, income, and other variables.
- Elasticities pertain to a time frame.
- If we can estimate the supply and demand curves for a particular market, we can calculate the market clearing price.



Summary

- Simple numerical analysis can often be done by fitting linear supply and demand curves to data on price and quantity and to estimates of elasticities.





End of Chapter 2

The Basics of Supply and Demand