Kosmas Marinakis, Ph.D.

Economics & Society

Lecture 5

Strategic Competition



Previously in E&S * Monopoly * Supply curve in monopoly * Market power * Market efficiency

consumer surplus, producer surplus, DWL * Taxation 🗈

PC & Monopoly

* Case: Market of human kidneys 💽

2





L-2

Oligopoly

L-12



Assumptions 1. Small number of firms:

- ► The number of firms is low enough, so that interaction is possible and meaningful
- Every firm needs to take into account other firms' actions.

2. Homogeneous product:

Product differentiation is not required for oligopolistic firms to have market power ► Market power comes from the relative lack of alternatives for the consumers, not from the attributes of the brand.

3. Barriers to entry:

- Oligopolists are usually large enough to create barriers to entry to protect their turf
- ► Threatening *price wars*, building *excess capacity*, proliferation, advertisement
- Barriers allow firms to maintain their S-R profits in the L-R 2019-22 Kc



Control Contr

14

Oligopoly

L-15

Competition with respect to what?

- * Firms have to choose in which field they will compete:
- ▶ <u>Apple</u> and <u>Samsung</u> are competing with respect to technological advancement
- <u>BMW</u> and <u>Benz</u> are competing with respect to *quality*
- ▶ <u>Coke</u> and <u>Pepsi</u> are competing with respect to
- DKNY and Calvin Klein compete with respect to design
- Firefox and Chrome compete with respect to market share
- SMU and NUS compete with respect to
- Oil producing nations are competing with respect to quantities

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Supermarkets compete with respect to price
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15

13

Oligopoly models * Cournot: Static competition with respect to quantities the choice variable of the firm is the quantity * Bertrand: Static competition with respect to prices the choice variable of the firm is the price

Oligopoly

L-16

- * Collusion: Firms act as if they were a monopoly
- * Kinked demand model: Firms are reluctant to reduce prices

16





























