

Introductory Economics

Introdução à Economia

Problems

2021/2022

3rd Quarter (P3)

7. Digital economy, information, and social challenges

7. Economia digital, informação e desafios sociais

- 7.1** Invention and diffusion can make the innovation process a challenge for public policy. Comment. (Adapted from CORE, The Economy)
- 7.2** Patents are a form of protecting intellectual rights. (Adapted from CORE, The Economy)
- a. How do patents influence innovation?
 - b. Considering the use of patents, what is the trade-off between long and short patents?
- 7.3** Innovation is crucial for the world's development. It is systemic since it connects individuals, firms, and government bodies. (Adapted from CORE, The Economy)
- a. What is the main objective of the Government regarding innovation policies?
 - b. How can the government stimulate innovation?
- 7.4** Consider two contrasting technologies. For one, the Government would optimally choose a short patent duration. For the other, it would choose a longer duration. In each case, draw the feasible set and label the optimal point. Assume the same isototal benefit curves. (Adapted from CORE, The Economy)
- 7.5** Digital economy has been gaining relevance in the last few years.
- a. Define digital economy. Give some examples of its impact on the following industries: retail, transport and logistics, financial services, and healthcare.
 - b. What are some pros and cons about it?
- 7.6** How can the digital economy contribute to the mitigation of social problems? Give examples.
- 7.7** Why is data considered the new currency?
- 7.8** What is the Sharing Economy? Give examples.