Microeconomics 1 – Part A: Individual decision making
Masters M1 IMMAEF & MAEF

TD – Wednesday, Monday, October 9, 2023

Consumer Theory

The following exercise should be submitted on Monday, October 9. A particular attention will be given to your presentation.

Exercise 1. Exercise 2 of the previous TD to be revised.

Let L be the number of commodities and $\mathbb{R}^L_+$ is the consumption set of the consumer.

Exercise 2. Assume that the preference relation $\succsim$ is monotone increasing on $\mathbb{R}^L_+$. Prove that Walras's Law holds true.

Exercise 3. Assume that $x(p, w)$ is non-empty and the preference relation $\succsim$ is strictly convex on $\mathbb{R}^L_+$. Prove that the demand $x(p, w)$ is single valued, i.e., $x(p, w)$ is a singleton.