



$$P = 200 - q, \text{ MC} = 20$$

$$\Pi = 200q - q^2 - 20q$$

$$200 - 2q - 20$$

$$180 \quad q = 90$$

C.C.

MAX Π_1

$$\frac{d\Pi_1}{dq_1} = 200 - 2q_1 - q_2 - q_1 \frac{dq_2}{dq_1} - 20 = 0$$

$$\frac{dq_2}{dq_1} = 0$$

$$\frac{d\Pi_1}{dq} = 200 - 2q_1 - q_2 - 20 = 0$$

$$q_1 = \frac{200 - q_2}{2} - \frac{1}{2}q_2 = \frac{100}{2} - \frac{1}{2}q_2$$

MAX Π_2

$$\frac{d\Pi_2}{dq_2} = 200 - q_1 - 2q_2 - 20 = 0$$

$$2(200 - q_1 - q_2) - 20 = 0$$

$$-q_1 + q_2 = 0$$
$$-q = 120 \quad q_1 = q_2 = 60$$
$$P = 80$$

Dr Danilo Samà
Competition Economist (Ph.D.)
www.danilosama.com

Dr Danilo Samà
Competition Economist (Ph.D.)
Paris (France)
www.danilosama.com

(Italy, 1984). Dr Danilo Samà has been working as Senior Competition Economist at CDC Cartel Damage Claims in Paris since 2021, where is office manager, case manager, and responsible for the economic analysis, econometric assessment and damage quantification. Having joined CDC in Brussels in 2014, in his role, he has gained extensive experience in all phases of damage litigation, working on economic issues concerning some of the largest antitrust cases in Europe. His expertise ranges from the development of theories of harm in relation to markets affected by cartels, the design of architectures for the collection of data provided by damaged companies, to the quantification of damages in and out-of-court. In his daily activities, he is in contact with the CDC's network of renowned academic experts in the fields of econometrics and industrial organisation. Furthermore, he serves the French and Italian markets as a primary contact for damaged companies and law firms. Over the years, he has contributed to pioneering innovations in private antitrust enforcement such as the CDC's interest calculation tool.

Non-Governmental Advisor (NGA) for the Directorate-General for Competition (DG COMP) of the European Commission at the International Competition Network (ICN) within the Cartel Working Group (CWG) for the working year 2021-2022. Before joining CDC, in 2011-2012 he worked as Competition Economist Trainee at the Directorate-General for Competition (DG COMP) of the European Commission for the Unit A/3 - *State Aid Case Support and Policy* directed by Mr Koen Van de Castele, supporting the Deputy Director General for State Aids Mr Gert-Jan Koopman and the Chief Economist Team. In 2009-2010 he worked as Competition Economist at Pavia & Ansaldo in the antitrust department directed by Mr Stefano Grassani, working on cases before the European Commission and the Italian Competition Authority concerning abuses of dominant position, cartel investigations, mergers and state aids.

Ph.D. (Doctor of Philosophy) in Economic Analysis of Competition Law, XXV cycle, LUISS "Guido Carli" University of Rome, Faculty of Economics, Italy (2014), defending the dissertation "*Essays on Economic Analysis of Competition Law: Theory and Practice*". Ph.D. Visiting Researcher in Quantitative Economics at the Toulouse School of Economics, France, focusing on econometrics techniques and industrial organization applied to competition policy (2013). European Master in Economic Analysis of Law, attending the Erasmus Rotterdam University, The Netherlands, the Ghent University, Belgium, and the University of Hamburg, Germany (2011): dissertation in Economic Analysis of Competition Law under the supervision of Prof. Emeritus Dr Thomas Eger (University of Hamburg) and the examination of Prof. Dr Elena Argentesi (University of Bologna) about the antitrust economic treatment of discount and rebates (3rd best thesis). For the Master, he awarded the Erasmus Mundus Scholarship granted by the European Commission, being for merit first ranked over 800 students worldwide. M.Sc. Master of Science Degree *cum summa laude* in Economic Analysis of Law at LUISS, Faculty of Economics (2009), with a dissertation in Economics Analysis of Competition Law under the supervision of Prof. Emeritus Roberto Pardolesi about the relationship between competition and regulation in the telecommunication markets: to prepare the thesis, he spent a visiting research period at the School of Business and Social Sciences, Aarhus University, Denmark (2008). B.Sc. Bachelor of Science Degree *cum summa laude* in Economics at LUISS, Faculty of Economics (2006), with a dissertation in Industrial Organization under the supervision of Sen. Prof. Emeritus Carlo Scognamiglio about the liberalization and privatization of the energy markets, focusing on the antitrust judgement against ENI for abuse of dominant position which led the Italian Competition Authority to impose the highest fine ever levied in Italy.

Dr Danilo Samà is Research Fellow and General Secretary at the LUISS's Law & Economics LAB for the Competition Law & Economics area (www.law-economics.net) and Editor-in-Chief of Competition Policy News (www.competition-policy-news.com), website which reports all latest news worldwide concerning competition policy which are released by authorities, economists, lawyers and universities. He is a member of the Italian Antitrust Association. His main fields of academic interest and professional occupation concern antitrust, competition and regulation, which he has experienced in Belgium, Denmark, France, Germany, Italy and The Netherlands. He has published several articles in international journals and monographs, available on his personal website (www.danilosama.com).