Ethics Committe

Committee Bulletin

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XII DALE
DEBATE ACADÉMICO DE LÍDERES ESTUDIANTILES

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Welcome Letter from the Ethics Committee Chairs

Greetings, esteemed delegates,

We are pleased to welcome you to the inaugural session of the Ethics Committee. In this document, we will provide you with an in-depth overview of the Committee's functions and operations. The members of our committee, each representing a different nation, have been assembled to discuss and evaluate key ethical dilemmas affecting our global society. Our committee is one of the principal bodies dedicated to ensuring the responsible advancement of technology and policy, while safeguarding the fundamental rights of individuals.

The Ethics Committee assesses emerging ethical concerns in various fields, encouraging nations to collaborate in crafting fair and just solutions. This year, we have selected two critical topics for discussion that are of paramount importance in today's world. Topic A will focus on **Bioethics: Genetic Modification**, exploring the ethical implications of genetic engineering and its potential to transform human life, medicine, and the natural world. Topic B will address the **Use of Personal Data by Corporations**, delving into privacy concerns, data protection, and the ethical responsibility of corporations in handling personal information.

We are enthusiastic about collaborating with you and encourage you to reach out for any inquiries or clarifications you may have. We look forward to seeing you at the conference!

Sincerely,

Camila Sandino & Esteban Toledo

Introduction to Ethics Committee

The Ethics Committee is a newly established platform that seeks to address and navigate the complex moral and ethical issues arising in the fields of science, technology, and business. Our mission is to examine the societal implications of emerging developments and ensure that progress aligns with values of fairness, responsibility, and respect for human dignity.

This committee serves as a space for thoughtful discussion, bringing together delegates from diverse cultural and professional backgrounds to collaborate on solutions that protect individual rights while fostering innovation and progress. The committee focuses on a broad range of issues, with a particular emphasis on matters that affect everyday life, such as genetic modification and the responsible use of personal data by corporations.

By following the example set by established ethical committees around the world, we aim to create a forum that reflects the values of inclusivity, dialogue, and cooperation. Through these efforts, we aim to guide how societies can balance technological advancement with the moral responsibilities owed to people and the planet, ensuring that all decisions are made with careful consideration for the future. In this way, the Ethics Committee seeks not only to address the pressing challenges of today but also to prepare the next generation of leaders to approach ethical dilemmas with wisdom, empathy, and integrity.

Powers of the Ethics Committee

The Ethics Committee is empowered to influence global decisions on the intersection of science, technology, and business by guiding ethical standards and ensuring that progress aligns with the fundamental values of fairness, human dignity, and social responsibility. Below are the key powers that define its role in fostering a responsible future:

1. Establishing Ethical Guidelines for Emerging Technologies

The Ethics Committee has the authority to create globally recognized ethical frameworks for new and emerging technologies, such as artificial intelligence, biotechnology, and genetic modification. These guidelines ensure that innovations in these fields are developed responsibly, individual rights are respected, and fairness is promoted.

2. Monitoring the Ethical Use of Personal Data

The Committee oversees and regulates corporations and governments' and governments' collection, use, and storage of personal data. Enforcing privacy protections and data security measures, it ensures that individual freedoms are not compromised.

3. Promoting Social Responsibility in Business and Industry

The Committee advocates for corporate social responsibility (CSR) by recommending policies that ensure businesses act ethically, considering their impact on labor standards, environmental sustainability, and the fair distribution of economic benefits.

4. Facilitating Public Discourse on Ethical Issues

The Ethics Committee provides a platform for public discussion, bringing together stakeholders from governments, private companies, civil society, and academia to explore the ethical dimensions of contemporary issues.

5. Issuing Ethical Recommendations for Global Governance

The Committee offers ethical recommendations to international organizations, governments, and businesses on the regulation of new technologies and innovations. These recommendations safeguard human rights and promote social justice while fostering innovation.

Importance of The Ethics Committee

The Ethics Committee serves as a critical forum for exploring and addressing some of the most significant challenges facing modern society. As we navigate the rapid advancements in science, technology, and business, it is essential to consider the ethical implications of these developments and their impact on individuals, communities, and the world at large. This committee provides a collaborative environment where delegates from diverse backgrounds can engage in thoughtful dialogue, share knowledge, and work towards practical solutions that balance progress with social responsibility. By discussing topics such as genetic modification and the use of personal data, the committee helps cultivate a deeper understanding of the broader consequences of these technologies and their ethical dimensions. In doing so, the committee enhances our collective ability to think critically, solve complex issues, and promote policies that prioritize human dignity, fairness, and the well-being of all. Through these discussions, delegates will not only broaden their knowledge of pressing global issues but also develop essential skills in collaboration, problem-solving, and ethical decision-making that will serve them both personally and professionally in the future.

Topic A Bioethics: Genetic Modification

Introduction:

Genetic modification, encompassing both genetic engineering and gene editing, refers to the manipulation of an organism's genetic material to achieve desired traits or outcomes. In recent years, this field has seen significant advancements, from genetically modified crops that enhance agricultural productivity to gene-editing technologies like CRISPR that hold promise for treating genetic diseases. However, the rapid development and application of these technologies have raised complex ethical questions that demand careful consideration.

The Ethics Committee's role in discussing genetic modification involves exploring the implications of such technologies on individuals, societies, and the environment. This discussion can take many forms, including:

1. **Human Genetic Modification:** The ethical concerns surrounding genetic modification in humans, especially germline editing, raise questions about the long-term effects on future generations, consent, and the potential for "designer babies." The Committee can explore the moral limits of modifying human genetics for medical purposes versus non-medical enhancements and the societal impacts of such decisions.

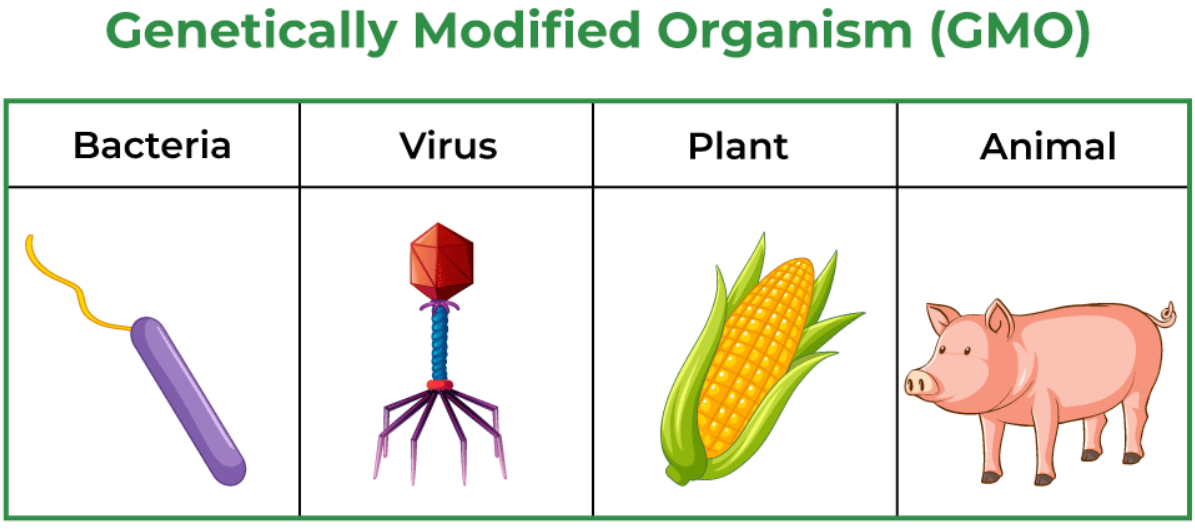
2. **Agricultural Genetic Modification:** Genetically modified organisms (GMOs) in agriculture have sparked debates over food security, environmental sustainability, and health risks. The Ethics Committee can discuss how to balance innovation in food production with the protection of biodiversity, farmers' rights, and consumer choice, ensuring that technological advancements do not disproportionately benefit large corporations at the expense of small-scale farmers or consumers.

3. **Environmental Impact and Biodiversity:** Genetic modification also extends to environmental concerns, such as genetically modified organisms used to combat pests or invasive species. The Committee may examine the ethical responsibility of ensuring that such interventions do not disrupt ecosystems, leading to unintended consequences that harm biodiversity or the broader environment.

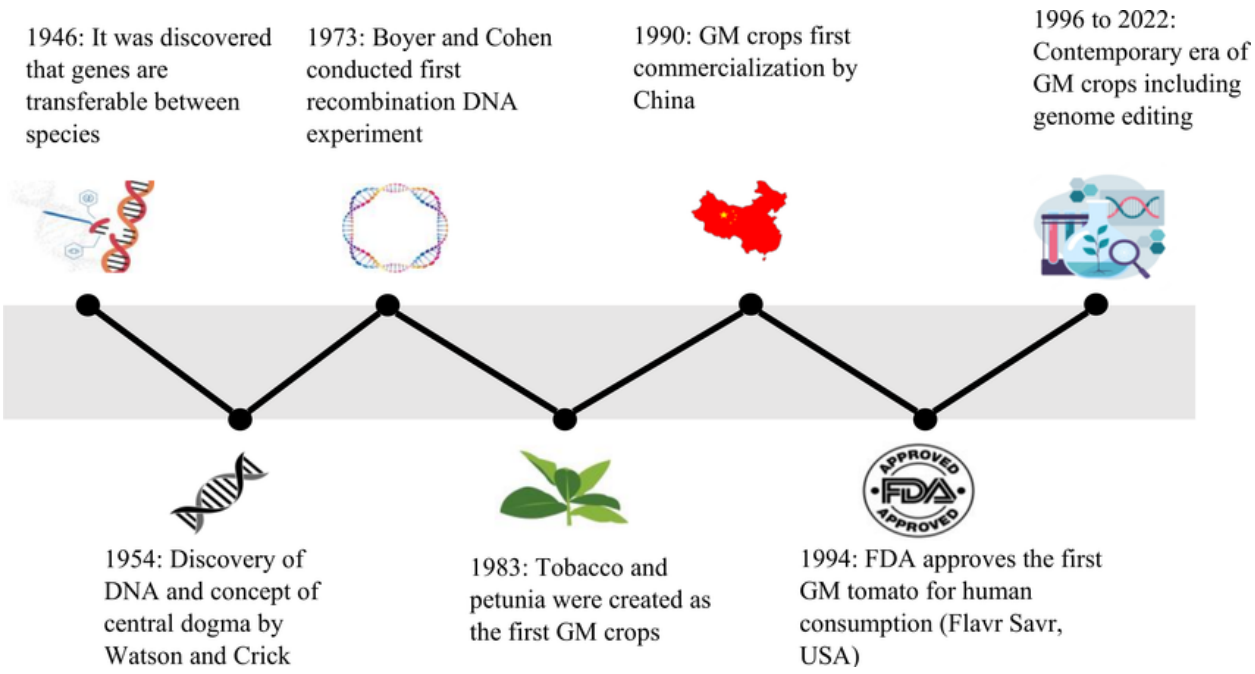
4. **Equity and Access:** As genetic technologies advance, access to these innovations may be limited by socioeconomic factors, creating disparities in who benefits from medical treatments or agricultural solutions. The Committee can engage in discussions around ensuring fair access to genetic technologies, preventing exploitation, and addressing inequalities that may arise from their application.

5. **Regulatory Frameworks:** The Ethics Committee can also play a key role in discussing the development of international standards and regulations to guide the ethical use of genetic modification technologies. This includes determining the appropriate level of oversight, ensuring that ethical considerations are embedded in scientific and commercial practices, and advocating for policies that prioritize public good over profit.

Through these discussions, the Ethics Committee aims to provide a balanced, thoughtful examination of the moral, social, and environmental dimensions of genetic modification, guiding decision-makers in ensuring that advancements in this field are responsible, equitable, and aligned with societal values.



Historical Global Context of Genetic Modification



The development of genetic modification can be traced back to early 20th century discoveries in genetics, but it was not until the mid-20th century that the foundations for modern genetic engineering were laid. In 1953, James Watson and Francis Crick's discovery of the DNA double helix structure revolutionized our understanding of genetics, leading to breakthroughs in molecular biology and biotechnology.

The first significant use of genetic modification occurred in the 1970s with the development of recombinant DNA technology. In 1973, biologists Herbert Boyer and Stanley Cohen successfully inserted genes from one organism into another, marking the birth of genetic engineering. This innovation paved the way for genetically modified (GM) organisms (GMOs) and the potential to manipulate the genetic material of plants, animals, and microorganisms (Keller, 2010).

In the following decades, genetic modification became increasingly applied in agriculture, with the introduction of genetically modified crops in the 1990s. The first GM crop, the Flavr Savr tomato, was approved for commercial use in the United States in 1994, sparking debates about the safety and ethical implications of GMOs in the food supply. The commercialization of GM crops like Bt corn and Roundup-ready soybeans raised questions about the environmental impact,

potential health risks, and the control of agricultural biotechnology by multinational corporations (Zhang et al., 2018).

The advent of gene editing technologies such as CRISPR in the 2010s significantly advanced genetic modification, particularly in humans. CRISPR allows for precise, targeted alterations to DNA, and its potential for therapeutic applications, such as curing genetic diseases, has generated both excitement and ethical concerns. The ethical implications of gene editing in humans gained global attention in 2018 when a Chinese scientist, He Jiankui, announced the birth of the first genetically edited babies, sparking intense debates over scientific responsibility, consent, and the potential for unforeseen consequences (Cyranoski, 2019).

The global debate over genetic modification continues to evolve, with differing views across cultures, governments, and scientific communities regarding its ethical use. While some nations have adopted strict regulations, others have embraced genetic modification in agriculture and medicine. The Ethics Committee plays a critical role in facilitating discussions that balance scientific innovation with ethical considerations, ensuring that genetic technologies are developed and applied responsibly.

Essence of Debate

1. Bioethics: Human Cloning and Reproductive Rights

Human cloning, particularly in the context of reproductive cloning, raises significant ethical dilemmas related to human dignity, autonomy, and societal implications. While the advancement of cloning technologies could offer solutions to infertility and genetic disorders, it also presents profound moral questions regarding individuality, identity, and the potential for exploitation. The debate centers on whether humans should have the right to clone themselves or create genetically identical offspring, and if so, what regulations and ethical boundaries should govern such practices. These discussions also intersect with concerns about the rights of cloned individuals and the potential for unintended social consequences (Bock, 2003).

2. Bioethics: Genetic Engineering in Agriculture and Land Preservation

Genetic engineering in agriculture has the potential to revolutionize food production, offering solutions to global challenges such as food scarcity, pest resistance, and climate change. Genetically modified (GM) crops can be designed to withstand harsh environmental conditions, improve yields, and reduce the need for chemical pesticides. However, these advancements raise significant bioethical questions surrounding the environmental impact, biodiversity, and long-term effects on ecosystems. In particular, the ethics of altering the genetic makeup of plants and animals for agricultural purposes involves concerns about unintended consequences, such as the disruption of natural habitats or the creation of "superweeds" and "superpests." Additionally, the commercialization of genetically modified crops may lead to monopolies by large corporations, raising issues of access, equity, and the potential marginalization of small-scale farmers. Ethical frameworks in this area must address the balance between technological innovation, environmental sustainability, and the preservation of agricultural biodiversity, all while ensuring that these technologies benefit society equitably and responsibly (Marvier, 2015).

3. Bioethics: Artificial Intelligence and Autonomous Decision-Making in Medicine

As artificial intelligence (AI) technologies evolve, their application in medical settings raises important bioethical questions about decision-making, responsibility, and patient autonomy. AI-driven diagnostic tools and robotic surgeries offer immense potential for improving patient outcomes, but they also pose risks related to accountability, bias in algorithms, and the potential dehumanization of healthcare. Bioethicists are increasingly focused on how these technologies should be implemented in a way that respects patient rights and ensures equitable access to care, all while considering the broader societal implications of relying on AI in life-and-death decisions (Lin et al., 2017).

Topics to be discussed:

1. Ethical Implications of Human Cloning

- The ethical concerns surrounding reproductive cloning and the creation of genetically identical individuals.
- The potential societal implications of human cloning such as identity, autonomy, and exploitation.
- The regulation and boundaries for cloning practices, including concerns about the rights of cloned individuals and unintended social consequences.

2. Ethics of Stem Cell Research and Regenerative Medicine

- The use of embryonic stem cells and the ethical questions surrounding the destruction of human embryos.
- The promise of stem cell research for treating diseases like Parkinson's and spinal cord injuries, and its potential to revolutionize medicine.
- Ethical dilemmas related to consent, the sanctity of life, and the commercial exploitation of stem cell therapies.

3. Bioethics of Artificial Intelligence and Autonomous Decision-Making in Medicine

- The application of AI in healthcare and its ethical challenges concerning decision-making and accountability.
- The risks of algorithmic bias in AI-driven diagnostics and treatment recommendations.
- The potential dehumanization of healthcare through reliance on AI and robotic surgeries, and how to maintain patient autonomy and rights.

4. Genetic Engineering in Agriculture and Land Preservation

- The ethical considerations of genetically modified (GM) crops, including their potential environmental impact, sustainability, and biodiversity.
- The role of biotechnology in addressing global food security and climate change challenges.

- Concerns about corporate control of genetic technologies and its impact on small-scale farmers, access to seeds, and agricultural autonomy.

5. The Ethics of Human Gene Editing (CRISPR and Beyond)

- Ethical concerns regarding gene editing in humans, particularly the use of CRISPR technology to modify the human germline.
- The potential for genetic enhancements versus therapeutic interventions, and the moral implications of "designer babies."
- Social, legal, and equity concerns surrounding access to gene editing technologies and the long-term effects on future generations.

6. Biodiversity and Ethical Concerns of GMOs in Ecosystems

- The ecological impact of introducing GMOs into natural ecosystems, and potential risks like gene flow to wild species.
- Ethical considerations around "unintended consequences," such as the creation of resistant pests or the loss of genetic diversity.
- The role of ethical frameworks in ensuring the safety of GMOs for ecosystems and future generations.

7. The Regulation and Oversight of Genetic Modification

- The role of governmental and international bodies in regulating genetic modification technologies.
- Ethical challenges in balancing scientific innovation with public safety, environmental impact, and societal needs.
- The role of public opinion and ethical debates in shaping policy and regulation for genetic modification technologies.

Questions to Answer

- Should there be global regulations governing the use of genetically modified organisms (GMOs) in agriculture, and if so, how can these regulations balance technological advancements with environmental sustainability and biodiversity preservation?
- What ethical boundaries should be established in the use of gene editing technologies, such as CRISPR, particularly in human embryos, to ensure both individual rights and social responsibility are respected?
- How can the rights of individuals be protected in the context of genetic testing and personalized medicine, especially regarding privacy, consent, and the potential for genetic discrimination?
- What ethical considerations should guide the commercialization of genetic technologies, particularly in agriculture, to prevent monopolies, ensure fair access, and protect the rights of small-scale farmers?
- In what ways can artificial intelligence and autonomous decision-making technologies in healthcare be ethically integrated to enhance patient care while safeguarding patient autonomy, privacy, and preventing algorithmic biases?

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Topic 2: Use of personal data by Corporations

Introduction:

The use of personal data by corporations has become a critical ethical and regulatory issue in the digital age. As businesses increasingly rely on data-driven decision-making, concerns over privacy, consent, and security have emerged. Companies collect vast amounts of data from consumers, including browsing history, purchasing behavior, and even biometric information, to enhance services, target advertisements, and optimize operations. However, these practices raise significant ethical questions regarding data ownership, informed consent, and the potential for exploitation or discrimination.

The Ethics Committee's role in discussing corporate use of personal data involves exploring the implications of data collection, storage, and processing on individuals, society, and regulatory frameworks. This discussion can take several forms, including:

- Privacy and Consent: The ethical considerations surrounding informed consent for data collection, including how transparently corporations communicate data policies to consumers. The Committee can explore the extent to which individuals can exercise control over their personal data and the responsibilities of corporations in ensuring fair and ethical data practices.
- Data Security and Breaches: With rising cyber threats, corporations must ensure robust data security measures to protect consumer information. The Ethics Committee can evaluate the ethical implications of data breaches, corporate responsibility in safeguarding data, and the impact of security lapses on consumer trust.
- Surveillance and Behavioral Targeting: Many corporations use personal data for targeted advertising, which raises concerns about consumer manipulation, autonomy, and the potential for excessive surveillance. The Committee can discuss ethical boundaries for behavioral tracking and whether regulations should limit corporate surveillance.

- Equity and Discrimination: Algorithms powered by consumer data can sometimes reinforce biases, leading to discriminatory outcomes in hiring, lending, or access to services. The Committee can analyze how corporations should ensure fairness and prevent algorithmic biases that disproportionately affect certain demographics.
- Regulatory Frameworks and Consumer Protection: Governments worldwide are implementing data protection laws, such as the General Data Protection Regulation (GDPR) and the California Consumer Privacy Act (CCPA). The Ethics Committee can explore the effectiveness of such regulations, the need for global data standards, and the balance between corporate interests and consumer rights.

Through these discussions, the Ethics Committee aims to provide a balanced, ethical analysis of corporate data practices, ensuring that technological advancements respect individual rights, promote transparency, and align with societal values.

Historical Global Context of Personal Data Usage by Corporations

The collection and use of personal data by corporations have evolved significantly over the past century. The rise of digital technology in the late 20th century transformed data collection from simple consumer surveys to complex digital tracking systems.

The foundation for modern data privacy concerns was laid in the 1970s, with the advent of computerized record-keeping. The U.S. Privacy Act of 1974 was among the first legislative attempts to regulate data collection. However, it was not until the internet revolution of the 1990s and early 2000s that corporate data collection expanded exponentially, driven by online services, social media platforms, and e-commerce.

Google and Facebook pioneered data-driven advertising models, using consumer behavior analytics to generate revenue. This business model raised ethical concerns about user consent and transparency. The Cambridge Analytica scandal of 2018 highlighted the risks associated with personal data misuse, exposing how corporations could influence political outcomes through targeted data analysis (Cadwalladr & Graham-Harrison, 2018).

In response, global regulatory frameworks began taking shape. The European Union introduced the GDPR in 2018, setting new standards for data protection and user consent. The U.S. followed with state-level laws such as the CCPA, emphasizing consumer control over personal data. These developments underscore the growing tension between corporate data practices and individual privacy rights.

Essence of Debate

Privacy Rights vs. Corporate Interests:

- To what extent should corporations be allowed to collect and use personal data for commercial gain?
- How can privacy rights be protected without stifling innovation in data-driven industries?

Data Security and Consumer Trust:

- What ethical responsibilities do corporations have in preventing data breaches and ensuring cybersecurity?
- Should corporations be held legally accountable for data leaks and misuse?

Algorithmic Bias and Discrimination:

- How can corporations ensure their data-driven algorithms do not reinforce social inequalities?
- What safeguards should be implemented to prevent discriminatory data practices?

Surveillance and Autonomy:

- Should corporations be allowed to track user behavior extensively for personalized advertising?
- Where should the ethical boundary lie between beneficial data use and invasive surveillance?

Regulation and Global Data Standards:

- Should there be international regulations governing corporate data collection and use?
- How can governments balance corporate innovation with consumer protection?

Topics to be Discussed

1. Ethical Implications of Data Collection and Consumer Consent
    - The role of informed consent in corporate data collection.
    - The impact of opaque data policies on consumer autonomy and trust.
2. The Ethics of Data Monetization
    - The morality of selling user data to third parties.
    - The implications of treating personal data as a commodity.
3. Data Security and Corporate Responsibility
    - Ethical considerations surrounding data breaches and consumer protection.
    - The effectiveness of current cybersecurity measures in safeguarding personal data.
4. Surveillance, Targeted Advertising, and Consumer Autonomy
    - Ethical concerns regarding behavioral tracking for commercial gain.
    - The potential harms of excessive corporate surveillance on personal freedoms.
5. Algorithmic Bias and Fairness in AI-driven Decision-Making
    - The role of personal data in shaping biased AI outcomes.
    - Strategies for preventing discrimination in data-driven services.
6. The Regulation and Oversight of Corporate Data Practices
    - Evaluating the effectiveness of existing privacy laws (GDPR, CCPA).
    - The potential need for global regulatory frameworks.

Questions to Answer

How can corporations ensure ethical data collection while maintaining transparency and user consent?

Should global regulations be implemented to oversee corporate data practices, and what should they include?

How can corporations mitigate algorithmic bias to ensure fair outcomes in AI-driven decision-making?

What ethical frameworks should govern the sale and monetization of personal data?

How can individuals be empowered to control their own data without compromising digital services?

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