

American Heart Association Pals Algorithms Printable Tutorial

american heart association pals algorithms printable are essential resources for healthcare professionals, first responders, and students involved in pediatric emergency care. These algorithms serve as step-by-step guides to assist in the assessment and management of pediatric patients experiencing cardiac arrest or respiratory emergencies. Having accessible, well-organized printable versions of these algorithms ensures quick reference during critical situations, ultimately improving patient outcomes. In this comprehensive article, we will explore the importance of the AHA PALS algorithms, their key components, how to access printable versions, and tips for effective utilization.

Understanding the Importance of AHA PALS Algorithms Printable

What Are PALS Algorithms?

Pediatric Advanced Life Support (PALS) algorithms are standardized protocols developed by the American Heart Association (AHA) to guide healthcare providers through resuscitation and emergency interventions in pediatric patients. These algorithms outline the systematic approach to assessing, diagnosing, and treating children with life-threatening conditions such as cardiac arrest, respiratory failure, or shock.

Why Are Printable Algorithms Valuable?

Printable algorithms offer several advantages:

- **Quick Accessibility:** Having a physical or digital copy readily available during emergencies ensures rapid decision-making.
- **Enhanced Retention:** Visual aids reinforce learning and recall of complex procedures.
- **Standardization of Care:** Promotes adherence to evidence-based protocols across different providers and settings.
- **Educational Tool:** Useful for training sessions, workshops, and certification courses.

Key Components of the AHA PALS Algorithms

Initial Assessment and Scene Safety

The first step in the algorithm involves ensuring scene safety and performing a rapid assessment of

the child's responsiveness and breathing:

- Check for responsiveness (Tap and shout).
- Assess for normal breathing and signs of life.
- Activate emergency response system if unresponsive or not breathing normally.

Primary Survey: Airway, Breathing, Circulation (ABC)

Once the scene is deemed safe:

- **Airway:** Open the airway using head tilt-chin lift or jaw thrust if trauma suspected.
- **Breathing:** Provide rescue breaths if no normal breathing or abnormal patterns observed.
- **Circulation:** Check pulse (carotid or brachial artery) to assess perfusion.

Identifying and Managing Cardiac or Respiratory Arrest

Based on assessment findings:

- If the child is unresponsive, not breathing normally, and has no pulse, initiate CPR immediately.
- Follow the algorithm for high-quality CPR, including compression depth, rate, and ventilation.

Advanced Interventions

Once basic life support is established, advanced interventions include:

- Oxygen administration
- Establishing IV/IO access
- Medication administration based on specific protocols
- Defibrillation if indicated (e.g., shockable rhythm)

Accessing Printable PALS Algorithms

Official AHA Resources

The American Heart Association provides official, up-to-date printable algorithms through various channels:

- [AHA PALS Resources](#): The official website offers downloadable PDFs of algorithms and related materials.

- **Guidelines and Pocket Guides**: AHA publishes pocket-sized guides containing the algorithms, ideal for quick reference.

Other Reputable Sources

In addition to the AHA website, several reputable medical education platforms offer printable versions:

- Medical textbooks and clinical manuals
- Educational platforms such as ACLS Rapid Reference Cards
- Online medical resource libraries

How to Choose the Right Printable Algorithm

When selecting a printable algorithm, consider:

- Compatibility with current AHA guidelines (updates are released periodically)
- Ease of understanding and clarity
- Size and portability (pocket-sized or larger for classroom use)
- Inclusion of both adult and pediatric protocols, if needed

Tips for Effective Use of Printable PALS Algorithms

Preparation and Familiarization

- Review the algorithms regularly as part of training sessions.
- Practice scenarios using the printouts to reinforce steps and decision points.
- Keep multiple copies accessible in your workplace or training area.

During Emergencies

- Use the algorithms as a visual guide to maintain structured care.
- Assign roles based on the steps outlined in the algorithms.
- Cross-reference as needed, but prioritize clinical judgment and team communication.

Post-Event Review

- After resuscitation, review the algorithms used and identify areas for improvement.
- Update training materials and printouts based on latest guidelines.

Conclusion

The **american heart association pals algorithms printable** serve as invaluable tools for ensuring effective pediatric emergency care. They provide clear, concise guidance aligned with the latest AHA guidelines, facilitating rapid response and standardized treatment. Healthcare providers, educators, and first responders should prioritize obtaining current, printable versions of these algorithms and integrate them into their training and practice routines. Through consistent review and application, these resources help save lives and improve outcomes for pediatric patients facing life-threatening emergencies.

Additional Resources and References

- American Heart Association PALS Course Materials:

<https://cpr.heart.org/en/cpr-courses-and-resources/pals>

- Pocket Guides and Quick Reference Cards: Available for purchase through the AHA store.
- Pediatric Advanced Life Support (PALS) Provider Manual: For comprehensive study and reference.
- Mobile Apps: Some organizations offer digital versions of algorithms compatible with smartphones and tablets.

Having access to accurate, up-to-date, and printable algorithms is crucial for anyone involved in pediatric emergency care. Regular training, review, and adherence to these protocols can make a significant difference in patient survival and recovery.

American Heart Association PALS Algorithms Printable: A Comprehensive Guide

When it comes to pediatric emergency care, the American Heart Association (AHA) Pediatric Advanced Life Support (PALS) algorithms are indispensable tools for healthcare professionals. These algorithms provide structured, evidence-based guidance during critical situations involving pediatric patients, ensuring prompt and effective intervention. Having access to AHA PALS algorithms printable resources enhances preparedness, promotes quick decision-making, and ultimately improves patient outcomes. This detailed review explores the importance, content, accessibility, and practical use of these printable algorithms, equipping providers with the knowledge they need to utilize these tools effectively.

Understanding the Significance of PALS Algorithms in Pediatric Emergency Care

The primary purpose of PALS algorithms is to streamline the clinical decision-making process during pediatric emergencies such as cardiac arrest, respiratory distress, shock, and arrhythmias. Given the unique physiological considerations in children, standardized algorithms are crucial for:

- Ensuring rapid recognition of life-threatening conditions
- Guiding immediate interventions based on clinical presentation
- Reducing cognitive load during high-stress scenarios
- Facilitating team coordination and communication

Having these algorithms readily available in a printable format allows healthcare providers—including physicians, nurses, paramedics, and emergency responders—to quickly reference protocols without relying solely on digital devices, which might be inaccessible or malfunctioning during emergencies.

Content Overview of AHA PALS Algorithms Printable

The AHA PALS algorithms printable documents encompass comprehensive flowcharts covering multiple scenarios:

- Cardiac Arrest in Children
 - Recognition and activation of emergency response
 - Chest compressions and ventilation protocols
 - Airway management strategies
 - Defibrillation guidance, including pediatric doses
 - Post-resuscitation care
- Respiratory Emergencies
 - Recognition of respiratory distress, failure, and arrest
 - Airway management, including airway adjuncts
 - Oxygen therapy and ventilation strategies
 - Use of bronchodilators and other medications

- Shock and Circulatory Failure
 - Identification of hypovolemic, distributive, cardiogenic, and obstructive shock
 - Fluid resuscitation protocols
 - Vasopressor administration guidance
 - Monitoring and reassessment steps
- Arrhythmias
 - Recognition and treatment of tachyarrhythmias and bradyarrhythmias
 - Use of pacing, medications, and synchronized cardioversion
 - Specific algorithms for pulseless ventricular tachycardia and ventricular fibrillation
- Other Critical Conditions
 - Sepsis management
 - Post-resuscitation care
 - Special considerations for congenital heart defects

Each algorithm is designed to be concise, visually straightforward, and easy to follow, making them ideal for quick reference during emergencies.

Advantages of Printable PALS Algorithms

The benefits of having AHA PALS algorithms printable are multifaceted:

- Accessibility and Portability: Easy to carry in pocket cards, laminated sheets, or printed manuals, ensuring availability in various settings.
- Immediate Reference: Facilitates rapid decision-making without navigating digital platforms.
- Educational Tool: Useful for training, simulation exercises, and review sessions.
- Standardization of Care: Promotes adherence to evidence-based protocols across providers and teams.
- Customization: Printable versions can be tailored to specific institutional protocols or adapted with annotations.

Sources and Availability of Printable PALS Algorithms

The American Heart Association provides official PALS algorithms through various channels:

- Official AHA Resources
 - Accessible via the AHA website or the PALS Provider Manual
 - Available for purchase as part of training kits
 - Downloadable PDFs for personal or institutional use
- Online Medical Education Platforms
 - Websites like MedEd Labs, Laerdal, and PocketCPR offer printable, updated versions
 - Some platforms provide free downloadable resources, while others require registration or purchase
- Third-Party Educational Materials
 - Many hospitals, clinics, and educational organizations create custom laminated reference cards based on AHA algorithms
 - These can be ordered from medical supply companies or printed in-house
- Mobile Apps and Digital Tools
 - While primarily digital, some apps offer printable versions or quick-reference guides that complement physical algorithms

Note: Always ensure that the printed algorithms are the most current version, as protocols are periodically updated to reflect new evidence and guidelines.

Design and Features of Effective Printable PALS Algorithms

For maximum utility, printable algorithms should incorporate certain design principles:

- Clarity: Use clear, legible fonts with high contrast
- Color Coding: Differentiate sections (e.g., resuscitation, airway, rhythm management) with colors
- Concise Content: Limit text to essential steps and decision points
- Visual Hierarchy: Employ flowcharts, arrows, and boxes to guide the user logically
- Durability: Laminated or waterproof materials for repeated use
- Size: Appropriately sized for easy handling without sacrificing readability

Some organizations develop pocket-sized laminated cards or posters for wall display, which are highly effective in fast-paced settings.

Practical Tips for Using Printable PALS Algorithms Effectively

To maximize the benefit of these resources, consider the following best practices:

- Familiarize in Advance
- Regularly review the algorithms as part of ongoing education
- Conduct simulation drills using printed algorithms to build confidence
- Integrate into Protocols
- Keep printed algorithms accessible in all pediatric emergency areas
- Incorporate as part of standard emergency kits or resuscitation carts
- Update Regularly
- Ensure printed materials are current with the latest AHA guidelines
- Replace outdated versions promptly
- Use as an Educational Tool
- Distribute during training sessions

- Encourage team members to annotate or personalize for specific institutional protocols
- Combine with Digital Resources
- Use printed algorithms alongside digital apps or electronic health records for comprehensive support

Limitations and Considerations

While highly valuable, printed PALS algorithms have certain limitations:

- Static Nature: They cannot reflect real-time patient variations or nuances
- Potential for Outdated Information: Protocol updates may not be immediately incorporated
- Over-reliance Risk: May lead to rote responses instead of critical thinking; training should emphasize understanding

To mitigate these issues, always pair the use of printed algorithms with ongoing education, training, and clinical judgment.

Conclusion: The Essential Role of Printable PALS Algorithms in Pediatric Care

The American Heart Association PALS algorithms printable are vital tools that enhance the quality and consistency of pediatric emergency care. Their structured, visual nature facilitates rapid decision-making, reduces cognitive burden during crises, and supports team coordination. As healthcare providers, maintaining accessible, current, and well-understood algorithms is a cornerstone of effective pediatric resuscitation.

Investing in high-quality printable resources, integrating them into training regimes, and ensuring their proper use can significantly impact patient survival and recovery rates. Whether in hospitals, clinics, or pre-hospital environments, these algorithms serve as a reliable, quick-reference guide that saves precious time and supports clinical excellence.

In summary:

- Obtain the latest official AHA PALS algorithms in printable format
- Use them as part of ongoing education and simulation training

- Display or carry them in key emergency areas
- Regularly review and update printed materials to reflect current guidelines
- Combine their use with clinical judgment and team coordination for optimal outcomes

By leveraging these powerful tools, healthcare professionals can confidently navigate pediatric emergencies and deliver lifesaving care with precision and efficiency.

Question What is the American Heart Association PALS algorithm, and how can I access printable versions? The AHA PALS (Pediatric Advanced Life Support) algorithm provides step-by-step guidance for managing pediatric emergencies. Printable versions are available on the official American Heart Association website and through authorized training providers. Where can I find the most recent printable PALS algorithms for study or quick reference? The latest PALS algorithms are available for download on the American Heart Association's official website under the 'PALS' resources section, ensuring access to the most up-to-date procedures. Are there free printable PALS algorithms available for healthcare providers and students? Yes, the American Heart Association offers free downloadable PALS algorithms for healthcare providers, students, and instructors through their official resources, often requiring account registration. Can I customize or annotate the printable PALS algorithms for my training purposes? Yes, since PALS algorithms are provided in printable PDF formats, you can print and annotate them to suit your training or clinical needs, but always ensure you use the most current version. Are there mobile-friendly or interactive versions of the PALS algorithms available online? While the official printable algorithms are typically PDF documents, the AHA also offers digital and interactive tools through their apps and online platforms for more dynamic learning and quick reference. How often are the PALS algorithms updated, and how can I ensure I have the latest printable version? The AHA updates PALS algorithms approximately every 5 years or as needed based on new guidelines. To ensure you have the latest version, regularly check the official American Heart Association website or authorized training resources.

Related keywords: American Heart Association, PALS algorithms, printable PALS charts, pediatric advanced life support, PALS quick reference, emergency pediatric protocols, resuscitation algorithms, ACLS guidelines printable, pediatric emergency algorithms, medical printable resources

american horizons volume

American Horizons Volume: An In-Depth Exploration

Understanding the concept of American Horizons Volume requires delving into its meaning, significance, and applications across various contexts. This comprehensive guide aims to provide a

detailed overview of what American Horizons Volume entails, its historical background, how it is measured, and its relevance in contemporary settings. Whether you are a researcher, student, or enthusiast, this article will equip you with valuable insights to deepen your knowledge of this multifaceted topic.

What Is American Horizons Volume?

American Horizons Volume refers to a specific measurement or representation of data, content, or capacity related to American perspectives, developments, or collections. Depending on the context, it can denote:

- The volume of publications, literature, or media reflecting American history or culture.
- The measurement of physical or digital content spanning American themes.
- The scope or magnitude of research, datasets, or archives focused on American studies.

At its core, the term emphasizes the breadth and depth of American influence, history, or data across different domains.

Historical Background of American Horizons Volume

Origins and Evolution

The concept of American Horizons originated from academic and cultural studies aiming to explore American history, identity, and expansion. Over time, the term evolved to include various forms of content and measurement, notably:

- Historical Literature: Publications covering the expansive history of America, from colonial times to modern days.
- Educational Resources: Textbooks and scholarly works emphasizing American perspectives.
- Data Repositories: Archives and datasets capturing American demographics, economics, and social trends.

The term "volume" historically refers to collective works, journal editions, or cumulative data collections, emphasizing the scale and comprehensive nature of the subject.

Measuring American Horizons Volume

The measurement of American Horizons Volume can vary widely based on the domain. Here are some of the primary methods:

1. Literary and Media Content Volume

- Counting the number of publications, articles, books, or multimedia resources focusing on American themes.
- Analyzing the growth of American literature and media over time.

2. Data and Archive Volume

- Quantifying datasets related to American demographics, economics, or history.
- Evaluating the size of digital archives, such as digital libraries or historical collections.

3. Academic and Research Publications

- Tracking the number of scholarly articles or research projects centered on American studies.
- Measuring citations, references, or academic impact related to American horizons.

4. Cultural and Social Dimensions

- Assessing the scope of cultural influence via media, art, and public discourse.
- Evaluating the reach of American cultural exports globally.

Applications of American Horizons Volume

American Horizons Volume holds significance across various sectors:

1. Academic Research and Education

- Facilitates comprehensive studies of American history, culture, and society.
- Helps educators develop curricula reflecting the breadth of American experiences.

2. Publishing and Media

- Guides publishers in understanding the scope of American-related content.
- Assists media outlets in assessing coverage and representation of American topics.

3. Digital Archives and Libraries

- Aids in cataloging and expanding collections related to American history.
- Enhances accessibility and discoverability of American-themed content.

4. Cultural and Sociological Analysis

- Supports analysis of American cultural influence and societal shifts.
- Enables policymakers and sociologists to gauge the impact of American narratives.

Significance of American Horizons Volume in Today's Context

In today's interconnected world, understanding the American Horizons Volume is crucial for multiple reasons:

- **Global Influence:** American culture, politics, and economy have a vast global footprint. Measuring their volume helps comprehend this influence.
- **Historical Insight:** A large volume of historical data provides a richer understanding of America's past and its evolution.
- **Cultural Representation:** Tracking the volume of American media and literature reflects societal values and priorities.
- **Policy and Research:** Quantitative measures support informed decision-making and academic inquiry.

Challenges in Measuring American Horizons Volume

While the concept is valuable, measuring American Horizons Volume presents several challenges:

- **Data Overload:** The vast amount of content and data makes comprehensive measurement difficult.
- **Diverse Sources:** Content spans print, digital, audio, and visual media, complicating standardization.
- **Subjectivity:** What constitutes "American" content can vary based on perspective and criteria.
- **Dynamic Nature:** Cultural and historical narratives evolve, making static measurements outdated quickly.

Despite these challenges, advances in data analytics, digital archiving, and research methodologies

continually improve measurement accuracy.

Future Perspectives on American Horizons Volume

Looking ahead, several trends are likely to influence the concept of American Horizons Volume:

- Digital Transformation: Increased digitization will expand access to American archives, increasing measurable volume.
- Artificial Intelligence: AI-driven analytics will enable more precise measurement and analysis of American content.
- Globalization: As American culture continues to spread worldwide, the volume of American-themed content will grow, both domestically and internationally.
- Interdisciplinary Research: Combining historical, cultural, and technological approaches will enrich understanding of American horizons.

Conclusion

American Horizons Volume encapsulates the vast and multifaceted scope of American history, culture, data, and influence. Its measurement and analysis provide valuable insights into the magnitude and diversity of American contributions across various domains. As digital technologies advance and the world becomes more interconnected, the importance of understanding and quantifying this volume will only increase. Whether for academic pursuits, cultural studies, or policy development, appreciating the scope of American horizons is essential in comprehending the broader narrative of the United States and its global impact.

Keywords: American Horizons Volume, American history, American culture, data measurement, digital archives, American literature, cultural influence, historical data, American studies, global influence

American Horizons Volume is an influential and comprehensive volume that offers a detailed exploration of American history, culture, and societal development. As part of a broader series or scholarly collection, this volume aims to provide readers, students, and academics with an in-depth understanding of the multifaceted American experience from early colonial times through modern eras. Its meticulous research, diverse perspectives, and engaging narrative make it an invaluable resource for anyone interested in the complexities of American history.

Overview of American Horizons Volume

American Horizons Volume stands out among historical texts due to its emphasis on contextualizing American history within global and transnational frameworks. Unlike traditional narratives that often

focus solely on political events or prominent figures, this volume emphasizes social movements, economic shifts, cultural transformations, and the interactions between different groups within the United States. It seeks to present a balanced, inclusive account that recognizes the contributions and struggles of marginalized communities alongside mainstream narratives.

Key Features:

- Comprehensive chronological coverage from colonization to contemporary times
- Thematic organization addressing issues like race, gender, migration, and economics
- Incorporation of primary sources, images, and multimedia elements for immersive learning
- Critical analysis encouraging readers to question established narratives

Content and Structure

The volume is typically divided into thematic and chronological sections, allowing for both a linear understanding of historical progression and a thematic exploration of key issues.

Early Colonization and Settlement

This section explores the initial European encounters, indigenous societies, and the complex processes of colonization. It emphasizes the diversity of colonial experiences across regions and the profound impact on Native American populations.

The Revolutionary Era and Formation of the Nation

Details the American Revolution, the creation of foundational documents like the Constitution, and early nation-building efforts. It highlights debates over sovereignty, federalism, and individual rights.

Expansion and Conflict

Focuses on westward expansion, the Mexican-American War, and the displacement of indigenous peoples. It also examines the complexities of slavery, abolition, and sectional tensions leading to the Civil War.

Industrialization and Progressive Movements

Analyzes the rise of industry, urbanization, and the social reforms aimed at addressing inequalities and working conditions. It discusses the changing roles of women, labor movements, and the emergence of social activism.

Modern America: Wars, Civil Rights, and Global Power

Covers America's involvement in World Wars, the Civil Rights Movement, Cold War politics, and recent developments like technological innovation and globalization.

Strengths of American Horizons Volume

Inclusive and Multi-Perspective Approach

- Incorporates voices from diverse groups, including Native Americans, African Americans, women, immigrants, and marginalized communities.
- Challenges traditional narratives centered on political elites, highlighting grassroots movements and social struggles.

Robust Use of Primary Sources

- Features letters, speeches, photographs, and documents that allow readers to engage directly with historical voices.
- Facilitates critical thinking and helps develop interpretive skills.

Multimedia Integration

- Many editions include online resources such as videos, interactive maps, and quizzes.
- Enhances accessibility and engagement, especially for visual and digital learners.

Analytical and Critical Framework

- Encourages readers to analyze the causes and effects of historical events.
- Promotes understanding of historical debates and differing interpretations.

Limitations and Criticisms

While American Horizons Volume is widely praised, it is not without some limitations:

- Complexity for Beginners: The depth and analytical nature may be challenging for high school students or casual readers without prior background.

- Potential Biases: Despite efforts for inclusivity, some critics argue that certain perspectives or events might be underrepresented or framed within specific interpretive lenses.
- Cost and Accessibility: As a scholarly resource, hardcover editions or comprehensive volumes can be expensive, limiting access for some institutions or individuals.
- Coverage Gaps: Given the vast scope of American history, some niche topics or regional histories might receive limited attention.

Comparison with Other Historical Volumes

American Horizons Volume offers a distinctive approach compared to traditional history textbooks like "The American Pageant" or "America: A Narrative History." Its emphasis on thematic analysis, inclusivity, and primary sources makes it more suitable for academic settings or motivated learners seeking a nuanced understanding.

Features in comparison:

Feature	American Horizons Volume	Traditional Textbooks
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Focus on social/cultural issues	Yes	Often secondary or summarized
Inclusion of primary sources	Extensive	Limited
Multicultural perspectives	Strong	Varies, often limited
Critical analysis	Central	Less emphasized
Multimedia resources	Available in digital editions	Rare or supplementary

Who Should Read American Horizons Volume?

This volume is ideal for:

- Undergraduate students taking American history courses
- Graduate students and researchers seeking comprehensive references
- Educators designing curricula with an emphasis on diversity and critical thinking
- History enthusiasts interested in a well-rounded, nuanced account of American history

It is particularly beneficial for those wanting to understand the interconnectedness of social, political,

and economic developments across different periods.

Final Thoughts and Recommendations

American Horizons Volume is a remarkable resource that elevates the study of American history by emphasizing inclusivity, critical analysis, and thematic depth. Its strengths lie in its comprehensive scope, use of primary sources, and ability to foster a nuanced understanding of the American experience. While its detailed approach may be demanding for some readers, the richness of content makes it a worthwhile investment for serious students and educators committed to exploring history beyond surface narratives.

Recommendations for potential readers:

- Pair the volume with supplementary materials or lectures for a more accessible introduction.
- Utilize online resources associated with the volume to enhance engagement.
- Approach it with a critical mindset, considering multiple perspectives and interpretations.

In conclusion, American Horizons Volume is not just a textbook or a historical account; it is a gateway to understanding the complex and diverse tapestry that is American history. Its scholarly rigor and inclusive approach make it a highly recommended addition to any collection dedicated to exploring the past with depth and fairness.

Question What is 'American Horizons Volume' and why is it significant in contemporary studies? 'American Horizons Volume' typically refers to a comprehensive textbook or publication that explores American history, culture, and societal developments. Its significance lies in providing students and readers with an in-depth understanding of America's diverse past and present, often incorporating recent scholarship and contemporary perspectives. **How does the latest edition of 'American Horizons' address current social issues?** The latest edition incorporates updated chapters that discuss ongoing social issues such as racial justice, immigration, and economic inequality, offering students a nuanced view of how these issues have evolved and their impact on American society today. **Are there digital or online resources available for 'American Horizons Volume' learners?** Yes, many editions of 'American Horizons' come with companion digital resources, including online quizzes, interactive timelines, and supplementary videos to enhance the learning experience and provide accessible learning tools. **Who is the target audience for 'American Horizons Volume'?** The primary target audience includes college students studying American history, educators, and anyone interested in gaining a comprehensive understanding of American historical developments from multiple perspectives. **How does 'American Horizons Volume' compare to other American history textbooks?** 'American Horizons Volume' is known for its global perspective, inclusive narratives, and integration of contemporary scholarship, setting it apart from traditional textbooks by emphasizing diverse viewpoints and critical analysis of American history.

Related keywords: American Horizons, volume, history, American studies, social change, cultural history, historiography, societal development, historical analysis, volume series

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