

# Range rover owners manual Tutorial

**Range Rover Owners Manual:** Your Comprehensive Guide to Maintaining and Operating Your Luxury SUV

Owning a Range Rover is a symbol of sophistication, performance, and versatility. To ensure you get the most out of your vehicle, understanding how to operate, maintain, and troubleshoot it is essential. This is where the **Range Rover owners manual** becomes an invaluable resource. It provides detailed instructions, safety information, and maintenance guidelines tailored specifically for your vehicle model. Whether you're a new owner or looking to refresh your knowledge, this article offers an in-depth overview of what a Range Rover owners manual covers and how to utilize it effectively.

## Understanding the Range Rover Owners Manual

The **Range Rover owners manual** is more than just a booklet; it's a comprehensive guide designed to help owners operate their vehicle safely and efficiently. It typically includes sections on vehicle features, safety tips, maintenance schedules, and troubleshooting advice. Knowing how to navigate this manual can save you time, money, and ensure your vehicle remains in optimal condition.

## Key Sections of the Range Rover Owners Manual

### 1. Vehicle Overview and Controls

The manual begins with an overview of your Range Rover's features, including:

- Dashboard and instrument panel
- Steering wheel functions
- Central console controls
- Doors, windows, and mirrors
- Lighting and wipers

Understanding these controls helps in daily operation and enhances safety.

### 2. Safety Features and Instructions

Range Rover models are equipped with advanced safety systems. The manual provides guidance

on:

- Airbag operation and safety precautions
- Seat belt usage
- Driver assistance features such as lane keep assist, adaptive cruise control, and parking assist
- Emergency procedures

Familiarity with these features ensures you can utilize them effectively in various driving conditions.

### **3. Maintenance and Service Schedule**

Proper maintenance is vital for the longevity of your Range Rover. The manual outlines:

- Oil change intervals
- Brake fluid replacement
- Tire rotation and alignment
- Filter replacements
- Battery maintenance

Following the recommended schedule helps prevent costly repairs and maintains vehicle performance.

### **4. Troubleshooting and Common Issues**

The manual offers solutions for common problems such as:

- Warning lights on the dashboard
- Starting issues
- Unusual noises or vibrations
- Electrical system malfunctions

This section enables owners to identify issues early and decide whether professional assistance is needed.

### **5. Technical Specifications and Features**

Details about engine types, transmission options, tire sizes, and other technical data are included, helping owners understand their vehicle's capabilities and requirements.

# How to Use Your Range Rover Owners Manual Effectively

## 1. Keep the Manual Accessible

Store the manual in a safe, easily accessible place within your vehicle or at home. Some owners keep a digital copy for quick reference.

## 2. Familiarize Yourself with Key Sections

Spend time reviewing sections relevant to your driving habits, such as safety features or maintenance schedules.

## 3. Follow Maintenance Guidelines

Adhere to the recommended service intervals to ensure optimal vehicle performance and safety.

## 4. Use Troubleshooting Tips

When encountering issues, consult the troubleshooting section before seeking professional help. This can often resolve minor problems quickly.

## 5. Update Your Knowledge

Manufacturers may release updates or new features via software updates or revised manuals. Stay informed to keep your vehicle current.

# Benefits of Reading the Range Rover Owners Manual

## 1. Enhanced Safety

Understanding safety features and proper driving techniques reduces the risk of accidents.

## 2. Cost Savings

Proper maintenance and troubleshooting can prevent expensive repairs.

## 3. Increased Vehicle Longevity

Following recommended care routines extends the lifespan of your Range Rover.

## 4. Better Driving Experience

Knowing your vehicle's capabilities allows for smoother operation and enjoyment.

## Additional Resources for Range Rover Owners

Beyond the manual, owners can access:

- Official Range Rover website
- Customer support and helplines
- Online forums and owner communities
- Mobile apps for vehicle diagnostics and updates

These resources can supplement the manual and provide ongoing support and information.

## Conclusion

Owning a Range Rover is an exciting experience, combining luxury with performance. To maximize your ownership experience, the **Range Rover owners manual** is your essential guide. It offers detailed insights into vehicle operation, safety features, maintenance routines, and troubleshooting advice. By familiarizing yourself with this manual, you can ensure your Range Rover remains reliable, safe, and enjoyable for years to come. Remember, a well-informed owner is better equipped to handle routine care and unexpected issues, ultimately enhancing your driving pleasure and protecting your investment. Whether you're new to Range Rover ownership or a seasoned enthusiast, your manual is the key to unlocking the full potential of your luxury SUV.

Range Rover Owners Manual: Your Comprehensive Guide to Mastering Your Luxury SUV

Owning a Range Rover is not just about enjoying a premium vehicle; it's about understanding and maximizing its capabilities, features, and maintenance requirements. The Range Rover owners manual serves as an indispensable resource, guiding owners through every aspect of their luxury SUV—from basic operation to advanced features and maintenance protocols. In this detailed review, we will explore the essential components of the owners manual, how to utilize it effectively, and why it's a vital tool for every Range Rover owner.

## Understanding the Importance of the Range Rover Owners Manual

The owners manual is more than just a booklet; it is a comprehensive guide designed to:

- Provide detailed instructions for vehicle operation
- Explain safety features and precautions

- Offer maintenance and troubleshooting guidance
- Help owners optimize vehicle performance
- Ensure longevity and safety of the vehicle

Having a thorough understanding of the manual ensures that owners can make informed decisions, handle emergencies confidently, and maintain the vehicle in pristine condition.

## Organization and Structure of the Owners Manual

A typical Range Rover owners manual is structured systematically to facilitate easy navigation. The key sections include:

### 1. Introduction

- Overview of the vehicle
- Safety information and warnings
- Vehicle identification and specifications

### 2. Operating Instructions

- Starting and stopping the engine
- Using the infotainment system
- Climate control settings
- Seat adjustments and comfort features

### 3. Driving and Handling

- Transmission operation
- Terrain response and driving modes
- Off-road features and tips
- Parking and maneuvering

### 4. Safety Features

- Airbags and seatbelts
- Advanced driver-assistance systems (ADAS)
- Emergency procedures

## 5. Maintenance and Servicing

- Scheduled maintenance intervals
- Fluid levels and checks
- Tire care and replacement
- Battery maintenance

## 6. Troubleshooting and Diagnostics

- Warning lights and indicators
- Common issues and solutions
- Using onboard diagnostic tools

## 7. Technical Specifications and Accessories

- Vehicle dimensions and capacities
- Optional features and accessories
- Software updates and connectivity

## Key Features and Functions Explained in the Manual

To get the most out of your Range Rover, a deep dive into its core features is essential. The manual provides detailed instructions on:

### Starting and Operating the Vehicle

- Keyless Entry and Push-Button Start: How to operate without traditional keys
- Drive Modes: Selecting Terrain Response (e.g., Comfort, Eco, Dynamic, Snow, Mud, Sand)
- Gear Selection: Using the automatic transmission with manual mode options
- Engine Stop/Start System: How to optimize fuel efficiency and reduce emissions

### Infotainment and Connectivity

- Navigating the Touchscreen Interface
- Pairing smartphones via Bluetooth or Apple CarPlay/Android Auto
- Using voice commands for hands-free control

- Accessing vehicle settings and personal profiles

## Climate Control and Comfort

- Dual-zone and multi-zone climate settings
- Seat heating, cooling, and massage functions
- Cabin air quality and filtration systems
- Ventilation and defrosting procedures

## Safety and Driver Assistance

- Adaptive Cruise Control: setting and adjusting distances
- Lane Keep Assist and Lane Departure Warning
- Blind Spot Monitoring: understanding alerts
- Autonomous Emergency Braking: recognition and response
- Parking Assistance: cameras, sensors, and automated parking

## Off-Road Capabilities

- Engaging Low Range and Hill Descent Control
- Adjusting ride height and suspension
- Optimizing traction with Terrain Response settings
- Tips for safe off-road driving

## Maintenance Guidelines and Owner Responsibilities

Proper maintenance is crucial for preserving the vehicle's performance and value. The manual emphasizes:

- **Scheduled Servicing:** Adhering to manufacturer-recommended intervals for oil changes, filter replacements, brake inspections, and fluid top-ups.
- **Fluid Checks:** Regular inspection of engine oil, coolant, brake fluid, transmission fluid, and windshield washer fluid.
- **Tire Care:** Monitoring tire pressure, tread depth, and rotation schedules. Replacing tires when worn or damaged.
- **Battery Maintenance:** Checking for corrosion, ensuring proper charge, and replacing when necessary.

- **Software Updates:** Ensuring the vehicle's electronic systems are current for optimal performance and security.

The manual provides detailed procedures for each maintenance task, including recommended tools and safety precautions.

## Troubleshooting Common Issues

While Range Rovers are built for durability, owners may encounter minor issues. The manual offers troubleshooting advice for common problems such as:

- Warning Lights: Interpreting symbols and recommended actions
- Engine Performance: Addressing stalling, misfires, or reduced power
- Infotainment Glitches: Resetting systems or software updates
- Braking and Suspension: Recognizing abnormal noises or responses
- Battery Drain: Identifying causes and solutions

In cases where the issue persists, the manual advises contacting authorized service centers to avoid voiding warranties or causing further damage.

## Safety Precautions and Emergency Procedures

The owners manual emphasizes safety as a priority. Key safety tips include:

- Proper use of seatbelts and child safety seats
- How to respond to airbag warnings
- Procedures for tire blowouts or brake failures
- Jump-starting the vehicle safely
- Emergency roadside assistance contacts and procedures

Understanding these protocols can significantly reduce risk during unforeseen incidents.

## Utilizing the Owners Manual for Ownership Satisfaction

Beyond operational guidance, the manual can help owners:

- Customize vehicle settings for personal comfort
- Access and update navigation maps

- Utilize advanced features like vehicle tracking or remote diagnostics
- Understand warranty coverage and service plans
- Make informed decisions about accessories and upgrades

By referencing the manual regularly, owners can enjoy a seamless ownership experience, minimizing downtime and avoiding costly repairs.

## Digital and Physical Copies: Accessing Your Manual

Today, Range Rover provides owners with both printed and digital versions of the manual. Benefits of digital access include:

- Searchable content for quick reference
- Regular updates for software and features
- Accessibility via smartphones, tablets, or computers

Physical copies remain valuable for reference during driving or in areas with limited connectivity.

## Conclusion: Mastering Your Range Rover with Confidence

The Range Rover owners manual is more than a collection of instructions; it is an essential partner in your ownership journey. By thoroughly understanding its contents, owners can unlock the full potential of their luxury SUV, ensure safety, and prolong the vehicle's lifespan. Regular consultation of the manual empowers owners to handle routine operations confidently, troubleshoot minor issues effectively, and maintain their vehicle in optimal condition.

In essence, mastering your Range Rover through its owners manual transforms the driving experience from merely operating a vehicle to truly owning and appreciating a sophisticated piece of engineering excellence. Whether you are a first-time owner or a seasoned enthusiast, dedicating time to familiarize yourself with this comprehensive guide will yield benefits that enhance your driving pleasure and peace of mind for years to come.

**Question** Where can I find the latest Range Rover owners manual online? You can access the latest Range Rover owners manual on the official Land Rover website under the 'Owners' Resources' section or through the My Land Rover app for convenient digital access. **How do I reset the service indicator on my Range Rover?** To reset the service indicator, turn on the ignition without starting the engine, navigate to the 'Settings' menu on the display, select 'Service,' and follow the prompts to reset the indicator as outlined in the owners manual. **What should I do if I lose my Range Rover owners manual?** If you've lost your owners manual, you can download a digital copy from the official Land Rover website or contact your local dealership for a physical

replacement or a PDF version. How do I operate the off-road driving modes in my Range Rover? Your Range Rover owners manual provides step-by-step instructions on selecting and customizing off-road driving modes via the Terrain Response system, ensuring optimal performance in different conditions. Are there specific maintenance schedules outlined in the owners manual? Yes, the owners manual includes detailed maintenance schedules for fluid changes, inspections, and part replacements to keep your Range Rover performing at its best. Can I access the owners manual through my smartphone? Absolutely, the owners manual is available via the My Land Rover app, allowing you to view or download it directly onto your smartphone for easy access anytime.

**Related keywords:** Range Rover, owner?s manual, vehicle manual, Rover manual, Land Rover manual, car manual, vehicle guide, owner?s guide, automotive manual, Rover owner guide

## domain and range from graph multiple choice

**Domain and range from graph multiple choice** questions are essential tools in understanding the fundamental concepts of functions in mathematics. These questions help students and learners evaluate their ability to interpret graphs accurately and determine the set of possible inputs (domain) and outputs (range) of a function. Mastering this skill is crucial for progressing in algebra, calculus, and other advanced mathematical topics. In this article, we will explore the concepts of domain and range, how to identify them from graphs, and strategies for answering multiple-choice questions effectively.

## Understanding the Domain and Range of a Function

### What is the Domain?

The domain of a function is the complete set of all possible input values (usually represented by the variable  $x$ ) for which the function is defined. In graphical terms, it corresponds to all the  $x$ -values that have at least one corresponding  $y$ -value on the graph.

### What is the Range?

The range of a function is the set of all possible output values (usually represented by  $y$ ) that the function can produce. Graphically, it includes all the  $y$ -values that the graph attains for the  $x$ -values in the domain.

### Why are Domain and Range Important?

Understanding the domain and range is fundamental for:

- Identifying the behavior of functions
- Graphing functions accurately
- Solving equations and inequalities
- Applying functions to real-world problems

## How to Determine Domain and Range from Graphs

### Steps to Find the Domain

- Look at the graph horizontally to identify all x-values where the graph exists.
- Check for all the x-values over which the graph extends or is continuous.
- Note any restrictions, such as gaps, holes, or vertical asymptotes, which may limit the domain.

### Steps to Find the Range

- Observe the vertical extent of the graph.
- Identify the lowest and highest y-values that the graph attains.
- Consider any restrictions, such as gaps or asymptotes that limit the y-values.

## Common Graph Features Affecting Domain and Range

- **Vertical lines:** A vertical line intersecting the graph at more than one point indicates a non-function; in functions, vertical lines should only intersect once.
- **Holes and gaps:** These can restrict the domain or range
- **Asymptotes:** Vertical asymptotes restrict the domain, while horizontal asymptotes influence the range.
- **Boundedness:** If the graph is bounded above or below, it affects the range accordingly.

## Multiple Choice Questions on Domain and Range from Graphs

### Typical Structure of Questions

Multiple-choice questions often present a graph accompanied by several options for the domain and range. The task is to select the correct set(s) based on the graph.

Example Question:

Given the graph below, select the correct domain and range.

Options:

- a) Domain:  $[-3, 2]$ , Range:  $[0, 5]$
- b) Domain:  $(-?, ?)$ , Range:  $(-?, ?)$
- c) Domain:  $[1, 4]$ , Range:  $[2, 6]$
- d) Domain:  $[0, 3]$ , Range:  $[1, 4]$

Answer: Based on the graph, the student must analyze the x-values and y-values the graph covers to choose the correct option.

## Strategies for Answering Multiple Choice Questions Effectively

- **Visual Inspection:** Carefully observe the graph for the extremities of the curve.
- **Identify key points:** Find the minimum and maximum points vertically and horizontally.
- **Look for restrictions:** Note any holes, jumps, or asymptotes that limit the domain or range.
- **Eliminate incorrect options:** Use the process of elimination based on the visual clues.
- **Double-check:** Confirm that the selected options align with the graph's features.

## Examples of Domain and Range from Graph Multiple Choice Questions

### Example 1: Linear Function

Graph features: The line extends infinitely in both directions.

Question: What are the domain and range?

Options:

- a) Domain:  $?$ , Range:  $?$
- b) Domain:  $[0, 10]$ , Range:  $[2, 8]$

c) Domain:  $(-\infty, 5]$ , Range:  $[3, \infty)$

d) Domain:  $[1, 4]$ , Range:  $[1, 4]$

Answer: a) Domain:  $\mathbb{R}$ , Range:  $\mathbb{R}$

Explanation: Since the line extends infinitely in both directions, the domain and range are all real numbers.

## Example 2: Quadratic Function

Graph features: Parabola opening upwards, vertex at  $(2, 1)$ , extending infinitely to the left and right, with y-values from 1 upwards.

Question: Determine the domain and range.

Options:

a) Domain:  $\mathbb{R}$ , Range:  $[1, \infty)$

b) Domain:  $[0, 4]$ , Range:  $[1, 5]$

c) Domain:  $(-\infty, 2]$ , Range:  $(-\infty, 1]$

d) Domain:  $[2, 6]$ , Range:  $[1, 4]$

Answer: a) Domain:  $\mathbb{R}$ , Range:  $[1, \infty)$

Explanation: The parabola opens upward with vertex at  $(2, 1)$ , extending infinitely horizontally, and y-values starting at 1 and increasing without bound.

## Common Mistakes and How to Avoid Them

- **Misinterpreting the graph:** Always verify the points and features rather than relying on assumptions.

- **Ignoring asymptotes:** Vertical asymptotes can restrict the domain; horizontal asymptotes impact the range.

- **Confusing bounded and unbounded graphs:** Recognize whether the graph extends infinitely or is limited.

- **Overlooking gaps or holes:** These can exclude certain x or y-values from the domain or

range.

## Conclusion

Understanding how to identify the domain and range from graphs is a vital skill in mathematics, especially when tackling multiple-choice questions. By visually analyzing the graph's features and applying systematic strategies, learners can accurately determine the sets of possible inputs and outputs for various functions. Practice with diverse graphs enhances this skill, leading to better performance in exams and a deeper comprehension of mathematical functions. Remember, always verify the graph's features carefully, pay attention to restrictions like asymptotes or holes, and eliminate incorrect options logically to arrive at the correct answer confidently.

### Understanding Domain and Range from Graphs: A Comprehensive Guide to Multiple Choice Questions

When studying functions in mathematics, one of the fundamental concepts to master is domain and range. These terms describe the set of possible input values (domain) and output values (range) of a function. Often, students encounter questions asking them to determine the domain and range from a graph, especially in multiple-choice formats. Such questions test not only your understanding of the concepts but also your ability to analyze visual data accurately. This guide aims to provide a detailed breakdown of how to interpret a graph to find the domain and range, with strategies tailored for multiple-choice questions, ensuring you become confident in tackling these problems.

#### What Are Domain and Range?

Before diving into graphical analysis, it's essential to clarify what domain and range mean in the context of functions.

#### The Domain

The domain of a function is the set of all possible input values (usually represented as x-values) for which the function is defined. In a graph, the domain corresponds to the horizontal extent of the graph—that is, all x-values where the graph exists.

#### The Range

The range is the set of all possible output values (usually represented as y-values) that the function can produce. On a graph, this corresponds to the vertical extent—covering all y-values the graph reaches or passes through.

#### Analyzing Graphs for Domain and Range

When faced with a graph and multiple-choice options, the key is systematic analysis. Here's a step-by-step approach:

### Step 1: Identify the Graph's Extent Horizontally (Domain)

- Look at the leftmost point of the graph to find the minimum x-value where the graph exists.
- Look at the rightmost point to find the maximum x-value.
- Check whether the graph extends infinitely in either direction (e.g., arrows at the ends), which indicates the domain is all real numbers or unbounded in that direction.
- Be aware of any gaps, holes, or interruptions that limit the domain.

### Step 2: Identify the Graph's Extent Vertically (Range)

- Find the lowest y-value the graph reaches.
- Find the highest y-value the graph reaches.
- Determine if the graph continues infinitely upward or downward (e.g., asymptotes or arrows). If so, the range might be unbounded.
- Note any flat segments or points where the graph stops, which can restrict the range.

### Step 3: Consider Special Features

- Closed vs. open circles: Closed circles mean that point is included in the domain or range; open circles mean the point is not included.
- Vertical or horizontal asymptotes: These can affect the domain or range, often implying that certain values are excluded.
- Intervals: Multiple disconnected parts of the graph may indicate a union of intervals for the domain or range.

### Step 4: Match Your Findings to Multiple Choice Options

- Once you determine the possible set(s) for the domain and range, compare with the options.
- Remember that options may be expressed as intervals, unions, or inequalities.
- Be cautious about whether the endpoints are inclusive (closed circle) or exclusive (open circle).

### Common Graph Features and How They Influence Domain and Range

Understanding typical graph features and their impact on domain and range can simplify analysis.

- Linear Graphs

- Extends infinitely in both directions unless restricted.
- Domain: All real numbers.
- Range: All real numbers.

- Quadratic (Parabolic) Graphs

- Opens upwards or downwards.
- Domain: All real numbers (since quadratic functions are defined everywhere).
- Range: Depending on the vertex, the range will be either  $y \geq \text{minimum}$  or  $y \leq \text{maximum}$ .

- Absolute Value Graphs

- V-shaped graph.
- Domain: All real numbers.
- Range:  $y \geq \text{value at the vertex}$  (if vertex is minimum).

- Piecewise or Restricted Graphs

- May have limited x-intervals.
- Domain: Limited to the x-intervals where the graph exists.
- Range: Corresponds to the y-values over those x-intervals.

- Graphs with Asymptotes

- Vertical asymptotes suggest certain x-values are excluded (domain excludes these points).
- Horizontal asymptotes can influence the limits of the range.

## Practical Tips for Multiple Choice Questions

- Eliminate obviously wrong options first. For example, if the graph clearly extends from  $x = -2$  to  $x = 3$ , options suggesting otherwise can be discarded.
- Pay attention to inclusivity. Closed circles imply the endpoint is included in the domain or range, while open circles do not.
- Look for asymptotes or gaps. These features can restrict the domain or range.
- Check the behavior at the ends of the graph. Does it go to infinity, approach a finite value, or stop abruptly?
- Compare the y-values visually. Is the graph bounded above or below? Does it extend infinitely?

## Examples

### Example 1: Graph with a Closed Circle at $x = -3$ and an Arrow to the Right

- Observation: The graph starts at  $x = -3$  with a closed circle and extends infinitely to the right.
- Domain:  $x \geq -3$
- Range: Depending on the graph's vertical extent, e.g.,  $y$  from 1 to infinity.
- Multiple-choice match: Look for options like  $[-3, \infty)$  for domain and  $[1, \infty)$  for range.

### Example 2: Parabola Opening Up with Vertex at $(0, 2)$

- Observation: The parabola opens upward, vertex at  $(0, 2)$ .
- Domain: All real numbers.
- Range:  $y \geq 2$ .
- Multiple-choice match: Domain:  $(-\infty, \infty)$ ; Range:  $[2, \infty)$ .

### Example 3: Graph with a Vertical Asymptote at $x = 2$

- Observation: The graph approaches but does not touch  $x = 2$ .
- Domain: All real  $x$  except  $x = 2$ .
- Range: depends on the behavior of the graph, perhaps all real y-values.
- Multiple-choice match: Domain:  $(-\infty, 2) \cup (2, \infty)$ ; Range:  $(-\infty, \infty)$ .

## Practice Strategies

- Use the graph's key features to quickly identify the extent of the domain and range.
- Translate visual cues into interval notation or inequalities.
- Be mindful of whether endpoints are included or excluded.

- Confirm your interpretation by checking the behavior at critical points.

## Conclusion

Mastering domain and range from graph multiple choice questions requires a blend of conceptual understanding and careful visual analysis. By systematically examining the horizontal and vertical extents of a graph, noting features like asymptotes, holes, and the nature of the graph (bounded or unbounded), you can confidently select the correct options. Practice with various types of graphs enhances your ability to quickly interpret and analyze these visual representations, turning what might seem complex into straightforward problem-solving. Remember, the key lies in detailed observation and logical deduction?skills that are essential not just for exams but for a deep understanding of functions in mathematics.

QuestionAnswer What does the domain of a graph represent? The set of all possible x-values (input values) for which the graph is defined. How can you determine the range of a function from its graph? By identifying all the y-values that the graph attains or approaches. Which of the following is the correct domain for a graph that exists from  $x = -3$  to  $x = 5$ ? A)  $[-3, 5]$  B)  $(-?, ?)$  C)  $(??, 5]$  D)  $[?3, ?)$  If a graph is a parabola opening upward with vertex at  $(0, -2)$ , what is the range? B)  $[-2, ?)$  A graph shows a horizontal line at  $y = 4$  for all x-values. What is the range? A)  $\{4\}$  Which of these options best describes the domain of a function that is only defined between  $x = 1$  and  $x = 7$ ? C)  $[1, 7]$  From the graph, which is the correct way to find the range? By looking at the lowest and highest y-values the graph reaches or approaches. A graph shows a circle centered at  $(2, -3)$  with radius 3. What is the domain? B)  $[?1, 5]$  Which of the following best describes how to find the domain and range from a graph? Identify all x-values and y-values that the graph covers, including any open or closed intervals.

**Related keywords:** domain, range, graph, multiple choice, coordinates, x-axis, y-axis, functions, interval, values

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