



Canon

Canonet

QL19E

INSTRUCTIONS

English Edition

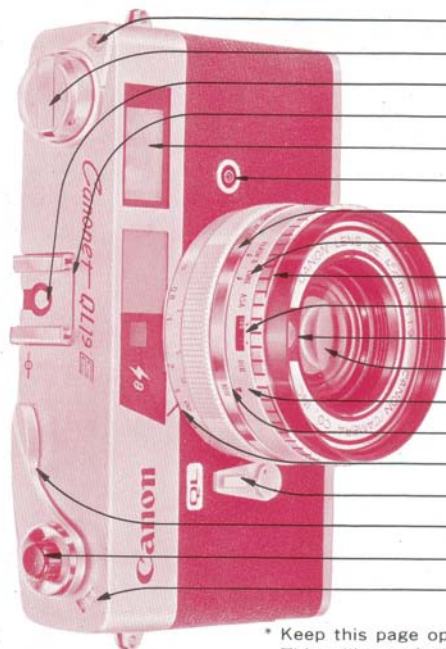


Canonet QL 19E is one of the highest performance cameras in the world, incorporating the three most advanced mechanisms in the camera field today—the electronic shutter, automatic exposure mechanism for flash, and the automatic film loading QL mechanism. There are no aperture or shutter scales on this camera. All the necessary steps in photography are handled by the electronic shutter. Under bright conditions you shoot with the EE method, under dark conditions you switch over to automatic flash system, and the QL mechanism gives you quick loading.

Canonet QL 19E is a camera that can be used at night or during the day under all conditions, choosing the correct exposure at all times. Really enjoy the pleasures of owning a Canonet QL 19E, the "camera of cameras"

FEATURES OF CANONET QL 19E

1. **Electronic Shutter:** The volume of light received by the CdS exposure meter is converted into electrical currents and with the help of transistor, condenser and magnet circuits the electronic shutter automatically chooses the proper exposure. This electronic shutter is shock-proof and highly durable.
- * **Instant Response**
The outstanding feature of the electronic shutter is its instant response to brightness when the camera is aimed at a subject.
2. **Automatic Flash Mechanism:** The troublesome calculations that usually accompany flash photography have been completely eliminated. There is also no need to memorize the guide numbers of the flash bulbs. Flash photography is now as simple as EE photography because the proper exposure is automatically set in accordance to the distance between the camera and the subject.
3. **QL System:** This is the revolutionary and unique automatic quick film loading mechanism developed by Canon for standard 35mm film cartridge. Just place the film on the camera and let the QL mechanism do the rest. The QL mechanism winds the film quickly and accurately. Even beginners experience absolutely no failures. You can choose any type of film you want, color or black and white, from among the numerous varieties of 35mm film cartridges.
4. **Sharp Lens and Durable Body Structure:** The photographic qualities and color balance of the Canon lens have already been proven throughout the world. The 45mm F1.9 lens of the Canonet, which established a new world record by selling over 2 million units, is guaranteed for the most uniform quality. The body structure of Canonet QL 19E is also guaranteed for durability.



- Battery Check
- Film Rewind Crank
- Flash Terminal (Exclusive for Flash D)
- Accessory Shoe
- Range-Viewfinder Window
- Flash Synchronization Socket
- ASA Scale for Flash Use
- Flash Mark
- Film Speed Setting Ring
- ASA · DIN Scale Window
- CdS Meter Window
- Lens
- AUTO Index
- AUTO Mark
- Distance Index
- Self-Timer Lever
- Film Advance Lever
- Shutter Release Button
- Film Counter

* Keep this page open while reading the instructions in the manual. This will permit the position of each designation to be seen at a glance. On the last page there is a photograph as seen from the opposite side.

STEPS FOR CANONET QL 19E PHOTOGRAPHY



2. Set the film speed.

A EE PHOTOGRAPHY

1. Load film with the QL device.

Before shooting, remove the lens cap.



B FLASH PHOTOGRAPHY

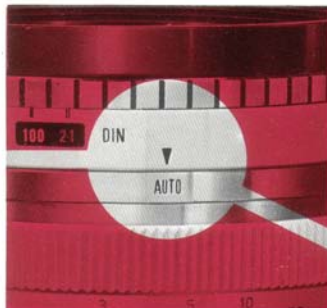
2. Set the film speed to the Flash mark.



3. Set the AUTO mark to the index. (▼)

4. Focus and compose the picture

5. Press the shutter release button gently.



3. Attach Flash D



SPECIFICATIONS FOR CANONET QL 19E



- Type: 35mm electronic shutter type EE camera.
- Lens: Canon lens SE 45mm F1.9
5-element 4-component construction.
- Electronic Shutter: F1.9 1/15 sec. ~ F16 1/500 sec. Programmed EE shutter with electronic circuits. 6 transistors, 3 diodes 1 condenser built-in. AUTO • Flash switch type. Shutter speed for flash photography ... 1/30 sec.
Power source ... One MP type mercury battery.
- Film Speed Scale: ASA 25~400. DIN 15~27
- Exposure Adjustment: Uses high performance CdS exposure meter. Accurate automatic exposure adjustment with electronic shutter. EE Working Range: EV 5.8~17.
- Finder: Double-image superimposing system, coupled rangefinder. Marked finder with parallax error automatically corrected. Under-exposure warning lamp indicating flash photography inside viewfinder.
- Flash Synchronization: Shutter speed for flash photography ... 1/30 sec.
When using directly connected type Flash D (exclusive for AG-1B bulb), calculations for flash photography are completely unnecessary due to automatic adjustment of aperture. When the distance from camera to the subject is improper for flash photography, the distance ring cannot turn. Synchronized to Canon Speedlite 100, and aperture is automatically adjusted. With JIS B type socket.
- Self-Timer: Built in type coupled to electronic shutter.
- Film Winding: Single operation 120° winding lever type.
- Film Loading: Automatic film loading system with Canon's unique QL device. Uses standard 35mm film in cartridge.
- Film Counter: Self-resetting type.
- Film Rewinding: Press rewind button and rewind with crank.
- Size: 140×79×31mm (lens protrusion ... 35mm)
- Weight: 760 grams.

BEFORE SHOOTING



Load the mercury battery. The battery in a separate envelope is the power source for the electronic shutter.

1 Insert a coin into the groove of the mercury battery compartment cover, turn it to the left and remove the cover.

2 Face the central contact of the mercury battery inwards and insert, then screw the cover back in.

* For mercury battery, the National M-1P, equivalent to the United States Mallory RM-1R is used.

Life of the batteries under continuous use is approximately two years.

* **Be careful not to insert the mercury battery in reverse.** If the (+) and (-) poles of the battery are inserted in reverse, the shutter will remain open when the shutter release button is pressed. Open the back cover and press the shutter release button and check to see whether the shutter blades open and close.

* Clean mercury battery thoroughly with dry cloth before insertion. Perspiration or fingerprints may cause corrosion. Be careful not to insert an unclean battery as it may damage the camera contact point.

* When the camera is not to be used for a long period, remove the mercury battery and keep in a dry place.

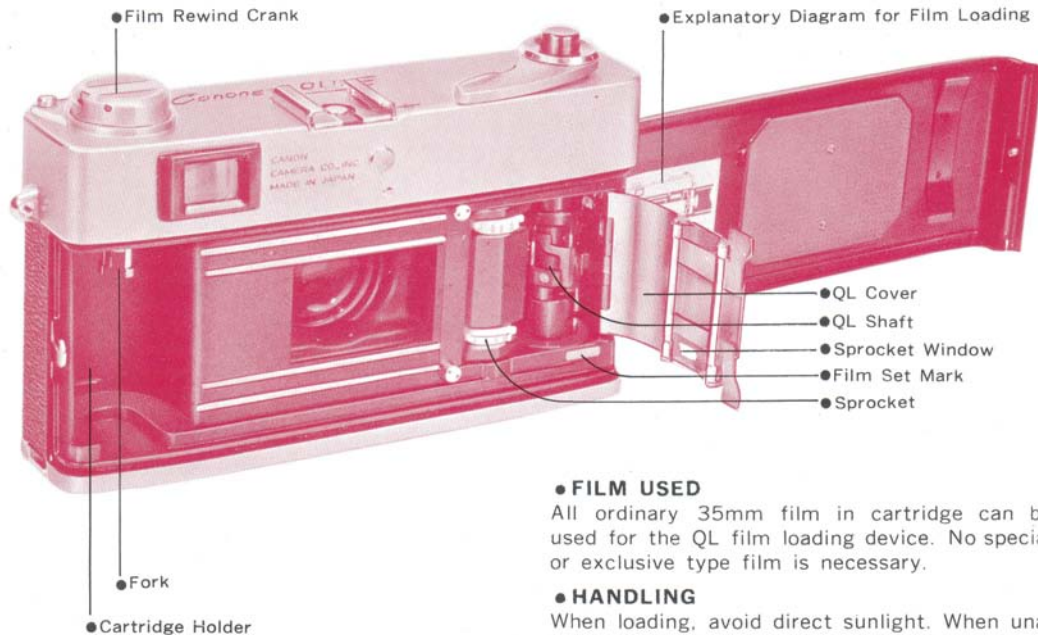
Check the mercury battery after loading it.

Press the battery check button while looking through the viewfinder. If the red lamp, situated at the central top part within the viewfinder (same as the flash photography indicating lamp) lights up, it means the mercury battery has sufficient voltage. When the lamp does not light up, replace the battery.

The service life of a mercury battery is approximately two years. After one year of use, however, it is recommended to check the voltage every now and then.

The red lamp can be distinctly seen if the battery is checked while aiming the camera at a dark place.

FILM LOADING QL LOADING METHOD

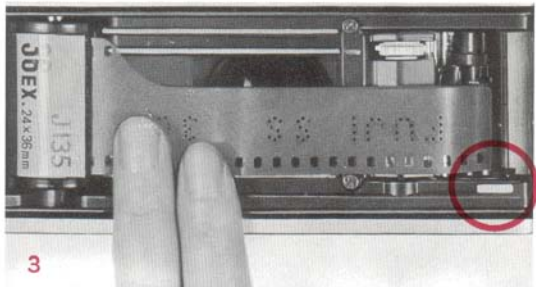
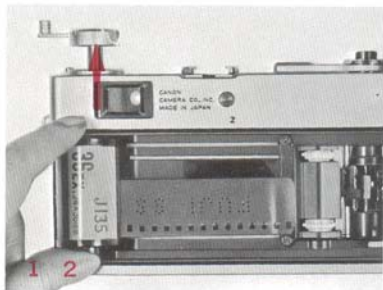


● FILM USED

All ordinary 35mm film in cartridge can be used for the QL film loading device. No special or exclusive type film is necessary.

● HANDLING

When loading, avoid direct sunlight. When unavoidable, face back to the sun and load quickly.



1 Open the back cover.

Pull the back cover lock and the back will rise. Next, open the back cover to maximum. When the back cover is opened, the QL cover also opens simultaneously and is ready for loading the film.

* The QL cover performs a very important function in film loading. This cover automatically opens and closes together with the opening and closing of the back cover. Do not touch the QL cover.

2 Insert cartridge.

Raise the rewinding knob fully. After the cartridge has been inserted, push the knob back into its former position, and then insert the fork into the axis of the cartridge. In case the knob does not fully return, it can be easily put into proper position by turning it slightly to the left or right.

3 Set film tip to (●) mark.

Face the cartridge as shown in the picture and hold the film down with the left hand so that it does not rise.



4 When the back cover is half-closed.

the QL cover presses down on the film. Check through the sprocket window whether the film has been engaged correctly onto the gear.

5 Close the back cover.

Merely press the cover and it will be firmly locked. If the film is sagging, the cart-ridge will rise and the back cover will not close.

6 Take two unexposed shots.

Press the shutter release button and then wind the film advance lever. Repeat these manipulations twice, and the film counter will advance to 0. With the next winding of the film advance lever, the camera is ready for the first shot.

If film feeding is being correctly performed, the rewind knob will rotate when the film advance lever is wound. If film sags, remove the sagging by turning the rewinding crank.

EE PHOTOGRAPHY 1. PREPARATIONS



When the camera is aimed at the subject, the electronic shutter of Canonet QL 19E automatically selects the exposure that perfectly fits the brightness. When it is too dark and flash photography is necessary, a warning lamp lights up inside the viewfinder.

Before using the EE mechanism for taking pictures, prepare the camera so that the following two conditions are fulfilled:

- 1** Set the film speed setting ring so that the film speed of the film being used appears in the film speed window. For example, when using an ASA 100 film, set the film speed setting ring so that 100 (in white) appears on



the ASA side and 21 (in green) appears on the DIN side simultaneously.

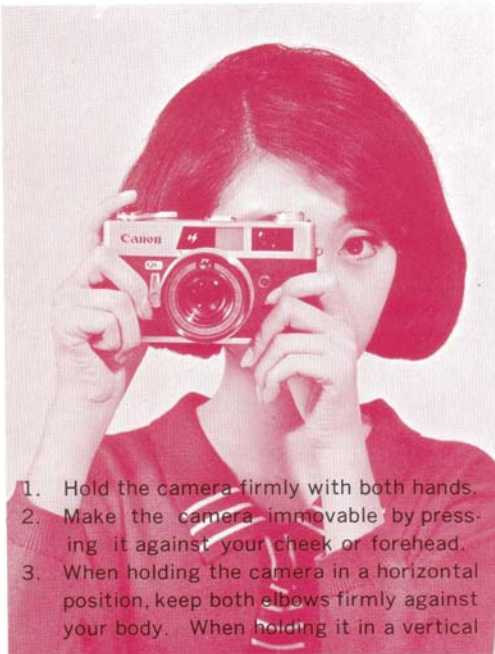
- * The click stop always functions for correctly set positions. Correct exposure cannot be obtained if the DIN and ASA figures are set in reverse or if only one of the figures appears in the film speed window.

ASA and DIN Scales are as follows:

ASA	25	32	40	50	64	80	100	125	160	200	250	320	400
DIN	15	16	17	18	19	20	21	22	23	24	25	26	27

- 2** Turn the AUTO-Flash switch-over ring and set the AUTO mark to the AUTO index (▼).

HOW TO HOLD THE CAMERA



1. Hold the camera firmly with both hands.
2. Make the camera immovable by pressing it against your cheek or forehead.
3. When holding the camera in a horizontal position, keep both elbows firmly against your body. When holding it in a vertical

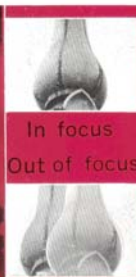
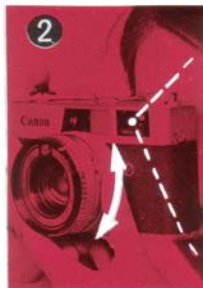


- position, keep at least one elbow firmly against your body.
4. Press the shutter button gently in order to avoid blurred pictures due to camera movement.

2. SHOOTING



film
counter



In focus
Out of focus



1 Wind the film advance lever.

By winding the lever, one frame of film is advanced and the shutter is charged. Simultaneously, the film counter advances by one number.

2 Focus while looking through the viewfinder.

Correct focus is obtained by turning the focusing ring so that the two images seen in the center of the viewfinder coincide completely.

3 Determine the composition.

The field-of-view which can be seen within

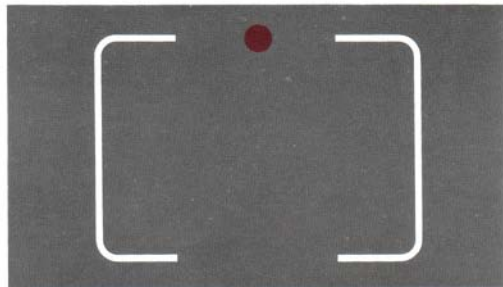
the rectangular frame will appear on the film. As the frame is coupled to the rangefinder and the parallax error is automatically corrected, the field-of-view seen within the frame will appear on the film in its entirety.



4 Press the shutter release button.

It is important to press the shutter button gently in order to avoid blurry pictures. When the shutter is released, the film advance lever can again be wound.

* Please bear in mind that if the shutter release button is kept pressed it will speed up battery consumption.



• Warning Lamp in EE Photography

- * When the shutter release button is lightly pressed in dark places where EE photography is impossible, a red lamp will light up within the viewfinder. When this warning lamp lights up, it is recommended that you stop shooting and switch over to flash photography.
- * When you wish to take a hard-to-get picture, fully aware that it will be under-exposed, the shutter can be released by pressing the shutter release button down deeper.
- * Press the shutter release button slowly. If you should press it all the way down quickly, the shutter will be released even after the warning lamp lights up, and the functioning of the warning lamp cannot be used to full advantage.

FLASH PHOTOGRAPHY



Canonet QL 19E is designed so that the correct aperture is automatically obtained when Flash D with AG-1B bulb, Flash Cube is or Canon Speedlite 100 flashed. Guide number calculations are completely unnecessary. Use the AG-1B bulb with exclusive Canon Flash D. For flash cube, the super-small size Canon Cube Flash is available.





1 Turn the AUTO · Flash switch over ring and set the film speed figure on the ASA scale for flash use, of the film being used, to the flash index mark (⚡).

When using Canon Flash D

Set the ASA scale figure on the ring to the flash index mark (⚡) for Flash D.

When using Canon Flash Cube

Set the ASA scale to the flash index mark (⚡) for Cube.

There are five ASA scale figures for flash use engraved on the ring. They are: 400, 200, 100, 50, 25. Between each of these engraved



figures there are two click stops. These click stops are for the following film speeds:

ASA	25	32	40	64	80	125	60	260	300	400
		(click								
		stops)								

When the AUTO · Flash switch over ring is set at Flash, the shutter speed is set at 1/30 sec. and the aperture is coupled to the rangefinder and is automatically set to the correct exposure.

2 Remove the accessory shoe cover and attach the flash unit. (Photo. 1)

• When using Flash D

1. Attach Flash D to the accessory shoe.



Canon Flash D is directly connected type, flash photography can be taken just attaching it to the accessory shoe. (Photo. 2)

2. Insert a bulb into the flash socket of Canon Flash D. Use flash bulb AG-1B. (Photo. 3)

● When using Canon Cube Flash

1. Attach the Cube Flash to the accessory shoe and plug the Flash cord into the socket of the camera. (Photo. 4)
2. Attach the Cube Flash on top of the flash unit. (Photo. 5)

* Flash socket is for Canon Speedlite 100, Canon Flash Quint or other flash units.



* In the case of Canon Speedlite 100, manipulation is completely the same as when AG-1B bulb is attached to Flash D.

* When AG-1 bulb is used, the film speed for flash use is increased by 2 graduations. For example, when ASA 100 film is used, set the flash index mark (⚡) to 200.

- The accessory shoe cover is to protect the flash terminal. Therefore, do not take it off when not using the flash attachment.





Distance Coupling Range for Flash Photography

F/16 11 8 5.6 4 2.8 1.9

ASA Scale on the Ring

400

1.8m ↔ 10m

200

1.3m ↔ 9.5m

100

0.8m ↔ 7.4m

50

0.8m ↔ 5.2m

25

0.8m ↔ 3.7m

Distance Scale

0.8 1 2 5 10 20(m)

3 Focus

Coupling range limit of distance ring.

Before setting the focus, turn the distance ring to both left and right once.

In flash photography the aperture is automatically decided according to the distance to the subject.

However, correct exposure is not obtainable when the subject is too close or too far. In these cases, the distance ring is designed so that it cannot be turned. When this occurs, switch over to flash photography. Then turn the distance ring to both left and right once, and the coupling range of the distance ring will be decided.

The coupling range of the distance ring changes, as illustrated, according to the film speed of the film used. If the distance between the camera and the subject is taken within the range of the diagram, the correct exposure can be obtained.



4 Press the shutter release button gently.

When the shutter release button is pressed, the bulb simultaneously flashes.

• When the bulb does not flash...

Replace the bulb with a new one. There are times when the circuit inside the bulb is broken.

Is the battery in working order? Replace the battery with a new one if it is old.

Is the battery inserted in the correct position?

Check to see whether the battery is inserted as shown in the diagram.



5 For next exposure:

• When Using Canon Flash D:

Press the ejector of Flash D to eject the used bulb and insert a new bulb.

• When Using Canon Cube Flash:

Turn the change lever of Cube Flash clockwise as far as it goes whenever one bulb flashes.

When four bulbs have flashed, turn the change lever counter-clockwise to remove them and replace with new bulbs.

Power source for Flash D is a 10W 15v laminated dry battery. National W10, Toshiba W10F or U. S. Eveready 504 can be used.



1

Open the battery compartment by pulling the back cover.



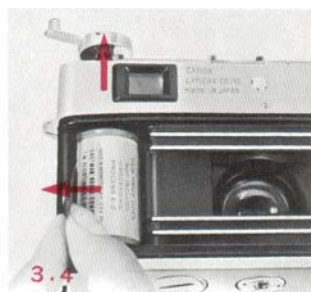
2

Insert the battery with the — and + poles in correct direction.



When Flash D is not to be used for a long period, take the battery out of the battery compartment. It can easily be taken out by pulling the vinyl sheet.

FILM REWINDING



Since no further winding is possible when the end of the film is reached, rewind the film into the original cartridge, as explained below. As the exposed film is naked within the camera, the entire roll will be ruined if the cover is opened before rewinding.

1 Press in the rewind button.

2 Rewind with crank.

* If the exposed film, including the leader part, is rewound completely into the cartridge, there is fear of light leaking into the cartridge when it is taken out of the camera. When rewinding has been completed, the rewind button stops revolving and the resistance on

the rewinding crank becomes slightly lighter. This means that all the film has been rewound except for the leader part. Stop rewinding at this stage.

3 Open the back cover.

4 Remove the cartridge.

Remove after raising the rewinding knob completely.

* When the lever is wound, the rewind button will return automatically.

* If winding is continued even after the film is at an end, the film will tear and rewinding will become impossible. If this happens, open the back cover in a dark room.

SELF-TIMER



When the self-timer is used, the shutter is released approximately 10 seconds after the shutter release button is pressed.

1. Wind the film advance lever.
2. Turn the self-timer lever in the direction of the arrow approximately 90° until it stops.
3. Press the shutter release button fully.



- The self-timer can be used for both EE or flash photography.
- When performing EE photography under dark conditions, first, lightly press the shutter release button and check to see whether the warning lamp lights up inside the viewfinder before charging the self-timer lever.

Back Cover Lock

Finder Eyepiece

Mercury Battery Compartment

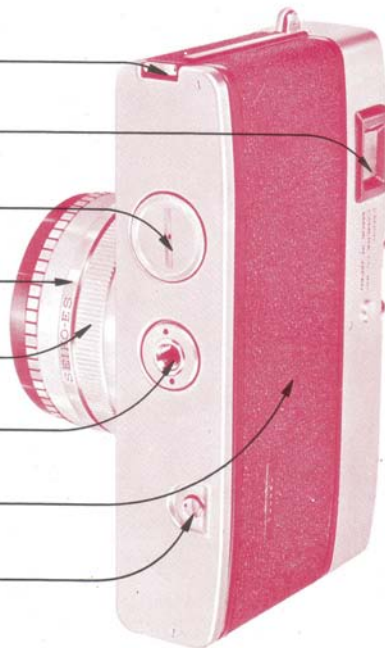
AUTO • Flash Switch-Over Ring

Distance Ring

Tripod Socket

Back Cover

Film Rewind Button



HOW TO USE FILTERS



Various types of 55mm screw-in type filters are available. These filters give special effects on black and white and color films.

Exposure Factor Type

1	UV (SL39 • 3C)	For black and white, and color
1.5	Y1 (SY44 • 2C)	For black and white
2	Y3 (SY50 • 2C)	
3	O1 (SO56 • 2C)	
6	R1 (SR60 • 2C)	
3	G1 (MG55 • C)	
1	Skylight	For black and white, and color
4	ND4	
8	ND8	
2	Color Conversion A	For color
3	Color Conversion B	

EFFECTIVENESS OF FILTERS

- Absorbs only ultra-violet rays. Especially effective at seaside and high mountains. Recommended for use in color photography.
- Increases contrast of black and white film. Regulates the color of the sea, subdues the blue sky and makes the white clouds stand out. Slightly brightens red and yellow.
- Blue is greatly darkened, and yellow and red are made brighter than when seen with the naked eye. Good for contrasts, especially distant landscapes.
- Makes strong contrasts. In some cases it makes daylight shots look like night shots. May also be used with infrared film.
- Prevents red from turning radically into white. Lightens faces and sky appropriately, and reflects the brightness of fresh greenery as seen with the naked eye.
- Acts to harmonize the blue sky and shade.
- ND 4 reduces light volume by 1/4, ND 8 by 1/8. Has absolutely no effect on the reproduction of colors of color film.
- Color film filter for conversion of color temperature when photographing tungsten type film under sunlight.
- Color temperature conversion filter for use with daylight type color film under tungsten light.

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