

Stonecutter

For the unobtainable block in Bedrock Edition with the same name, see [Stonecutter \(old\)](#).

This article is about the block. For the character in *Minecraft: The Voyage*, see [Stax Stonecutter](#).

A **stonecutter** is a [block](#) used to easily [craft](#) many [stone](#) and [copper](#) blocks, and is cheaper than normal crafting for [stairs](#) and copper variants. It is also a [job site block](#) for [mason](#) [villagers](#).

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Obtaining

Stonecutter



Renewable Yes

Stackable Yes (64)

Tool 

Blast resistance 3.5

Hardness 3.5

Luminous No

Transparent Java Edition: No
Bedrock Edition: Yes

Waterloggable JE: No
BE: Yes

Flammable No

Catches fire from lava No

Breaking

A stonecutter can be mined using any [pickaxe](#). If mined without a pickaxe, it drops nothing.

Block	 Stonecutter
Hardness	3.5
Tool	
Breaking time (sec)^[A]	
Default	17.5
 Wooden	2.65
 Stone	1.35
 Copper	1.05
 Iron	0.9
 Diamond	0.7
 Netherite	0.6
 Golden	0.45

Legend

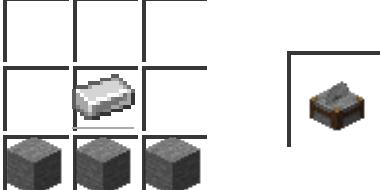
- incorrect tool, drops nothing
- correct tool, drops nothing or something other than the block itself
- correct tool, drops the block itself
- *italicized* can be [instant mined](#)

1. These durations ignore other influential factors (e.g., [Mining Fatigue](#)) and are measured in seconds. For more information, see [Breaking § Speed](#).

Natural generation

Stonecutters can generate inside mason houses in [villages](#).

Crafting

Ingredients	Crafting recipe	Description
[hide]		
Iron Ingot + Stone		Can use stone only, no variants. <small>[Java Edition only]</small>
Iron Ingot + Any Stone		Can use stone, granite, diorite, andesite, and their polished variants interchangeably. <small>[Bedrock Edition only]</small>

Usage

Cutting

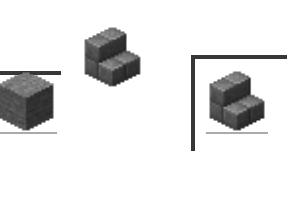
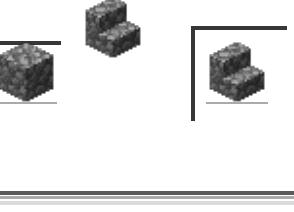
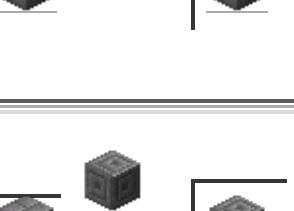
The stonecutter can be used as an alternative to the crafting table to craft most stone-related blocks. All of its recipes require just one ingredient and produce one product (in varying quantities). It allows skipping steps to craft certain blocks; for example, a stone block can be directly turned into chiseled stone bricks, something that requires multiple steps when crafting. It can also be used to cut brick related blocks, such as resin bricks.

Stonecutting is also more efficient than crafting for certain recipes. Crafting stairs is more efficient with a stonecutter than a crafting table, as 6 full blocks are crafted into 4 stairs, while stonecutter yields 1 stair per full block. The recipe for cut copper is even more efficient: with stonecutting, 1 block of copper turns into 4 blocks of cut copper, allowing the amount of copper blocks to be quadrupled.

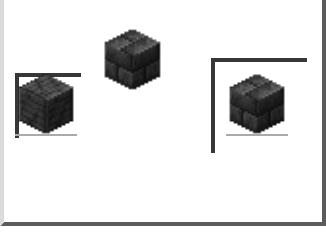
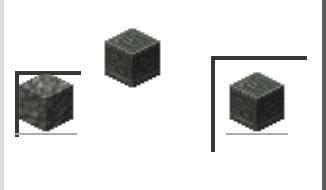
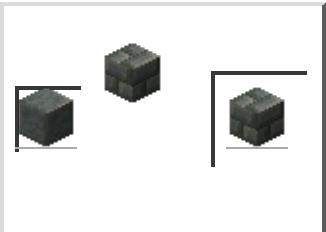
The GUI contains a block selection menu that is empty. The menu is populated with blocks that can be crafted from that particular material, only if a block is inserted into its input.



Interface for the stonecutter in Java Edition, cutting a stone into two stone slabs.

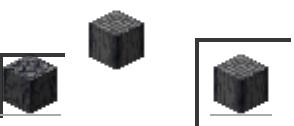
Name	Ingredients	<u>Cutting recipe</u>	[hide] Description
<u>Stone Stairs or Stone Slab or Stone Bricks or Stone Brick Stairs or Stone Brick Slab or Stone Brick Wall or Chiseled Stone Bricks</u>	Stone		
<u>Cobblestone Stairs or Cobblestone Slab or Cobblestone Wall</u>	Cobblestone		
<u>Mossy Cobblestone Stairs or Mossy Cobblestone Slab or Mossy Cobblestone Wall</u>	Mossy Cobblestone		
<u>Smooth Stone Slab</u>	Smooth Stone		
<u>Stone Brick Stairs or Stone Brick Slab or Stone Brick Wall</u>	Stone Bricks		
<u>Chiseled Stone Bricks</u>	Stone Bricks		
<u>Mossy Stone Brick Stairs or Mossy Stone Brick Slab or Mossy Stone Brick Wall</u>	Mossy Stone Bricks		

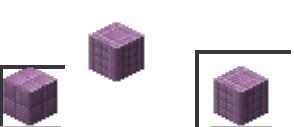
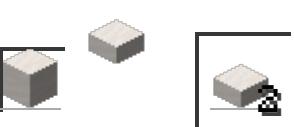
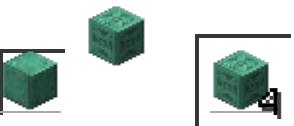
Name	Ingredients	Cutting recipe	[hide] Description
<u>Granite Stairs or</u> <u>Granite Slab or</u> <u>Granite Wall or</u> <u>Polished Granite or</u> <u>Polished Granite Stairs or</u> <u>Polished Granite Slab</u>	<u>Granite</u>		
<u>Polished Granite Stairs or</u> <u>Polished Granite Slab</u>	<u>Polished Granite</u>		
<u>Diorite Stairs or</u> <u>Diorite Slab or</u> <u>Diorite Wall or</u> <u>Polished Diorite or</u> <u>Polished Diorite Stairs or</u> <u>Polished Diorite Slab</u>	<u>Diorite</u>		
<u>Polished Diorite Stairs or</u> <u>Polished Diorite Slab</u>	<u>Polished Diorite</u>		
<u>Andesite Stairs or</u> <u>Andesite Slab or</u> <u>Andesite Wall or</u> <u>Polished Andesite or</u> <u>Polished Andesite Stairs or</u> <u>Polished Andesite Slab</u>	<u>Andesite</u>		
<u>Polished Andesite Stairs or</u> <u>Polished Andesite Slab</u>	<u>Polished Andesite</u>		
<u>Cobbled Deepslate Stairs or</u> <u>Cobbled Deepslate Slab or</u> <u>Cobbled Deepslate Wall or</u> <u>Chiseled Deepslate or</u> <u>Polished Deepslate or</u> <u>Polished Deepslate Stairs or</u> <u>Polished Deepslate Slab or</u> <u>Polished Deepslate Wall or</u> <u>Deepslate Bricks or</u> <u>Deepslate Brick Stairs or</u> <u>Deepslate Brick Slab or</u> <u>Deepslate Brick Wall or</u>	<u>Cobbled Deepslate</u>		

Name	Ingredients	<u>Cutting recipe</u>	[hide] Description
<u>Deepslate Tiles or</u> <u>Deepslate Tile Stairs or</u> <u>Deepslate Tile Slab or</u> <u>Deepslate Tile Wall</u>			
<u>Polished Deepslate Stairs or</u> <u>Polished Deepslate Slab or</u> <u>Polished Deepslate Wall or</u> <u>Deepslate Bricks or</u> <u>Deepslate Brick Stairs or</u> <u>Deepslate Brick Slab or</u> <u>Deepslate Brick Wall or</u> <u>Deepslate Tiles or</u> <u>Deepslate Tile Stairs or</u> <u>Deepslate Tile Slab or</u> <u>Deepslate Tile Wall</u>	<u>Polished Deepslate</u>		
<u>Deepslate Brick Stairs or</u> <u>Deepslate Brick Slab or</u> <u>Deepslate Brick Wall or</u> <u>Deepslate Tiles or</u> <u>Deepslate Tile Stairs or</u> <u>Deepslate Tile Slab or</u> <u>Deepslate Tile Wall</u>	<u>Deepslate Bricks</u>		
<u>Deepslate Tile Stairs or</u> <u>Deepslate Tile Slab or</u> <u>Deepslate Tile Wall</u>	<u>Deepslate Tiles</u>		
<u>Tuff Stairs or</u> <u>Tuff Slab or</u> <u>Tuff Wall or</u> <u>Chiseled Tuff or</u> <u>Polished Tuff or</u> <u>Polished Tuff Stairs or</u> <u>Polished Tuff Slab or</u> <u>Polished Tuff Wall or</u> <u>Tuff Bricks or</u> <u>Tuff Brick Stairs or</u> <u>Tuff Brick Slab or</u> <u>Tuff Brick Wall or</u> <u>Chiseled Tuff Bricks</u>	<u>Tuff</u>		
<u>Polished Tuff Stairs or</u> <u>Polished Tuff Slab or</u> <u>Polished Tuff Wall or</u> <u>Tuff Bricks or</u> <u>Tuff Brick Stairs or</u> <u>Tuff Brick Slab or</u> <u>Tuff Brick Wall or</u> <u>Chiseled Tuff Bricks</u>	<u>Polished Tuff</u>		

Name	Ingredients	Cutting recipe	[hide] Description
Tuff Bricks or Tuff Brick Stairs or Tuff Brick Slab or Tuff Brick Wall or Chiseled Tuff Bricks	<u>Tuff Bricks</u>		
Brick Stairs or Brick Slab or Brick Wall	<u>Bricks</u>		
Mud Brick Stairs or Mud Brick Slab or Mud Brick Wall	<u>Mud Bricks</u>		
Resin Brick Slab or Resin Brick Stairs or Resin Brick Wall or Chiseled Resin Bricks	<u>Resin Bricks</u>		
Sandstone Stairs or Sandstone Slab or Sandstone Wall or Chiseled Sandstone or Cut Sandstone	<u>Sandstone</u>		
Smooth Sandstone Stairs or Smooth Sandstone Slab	<u>Smooth Sandstone</u>		
Cut Sandstone Slab	<u>Sandstone or Cut Sandstone</u>		

Name	Ingredients	Cutting recipe	[hide] Description
Red Sandstone Stairs or Red Sandstone Slab or Red Sandstone Wall or Chiseled Red Sandstone or Cut Red Sandstone	<u>Red Sandstone</u>		
Smooth Red Sandstone Stairs or Smooth Red Sandstone Slab	<u>Smooth Red Sandstone</u>		
Cut Red Sandstone Slab	<u>Red Sandstone</u> or <u>Cut Red Sandstone</u>		
Prismarine Stairs or Prismarine Slab or Prismarine Wall	<u>Prismarine</u>		
Prismarine Brick Stairs or Prismarine Brick Slab	<u>Prismarine Bricks</u>		
Dark Prismarine Stairs or Dark Prismarine Slab	<u>Dark Prismarine</u>		
Nether Brick Stairs or Nether Brick Slab or Nether Brick Wall or Chiseled Nether Bricks	<u>Nether Bricks</u>		

Name	Ingredients	<u>Cutting recipe</u>	[hide] Description
<u>Red Nether Brick Stairs or Red Nether Brick Slab or Red Nether Brick Wall</u>	<u>Red Nether Bricks</u>		
<u>Polished Basalt</u>	<u>Basalt</u>		
<u>Blackstone Stairs or Blackstone Slab or Blackstone Wall or Chiseled Polished Blackstone or Polished Blackstone or Polished Blackstone Stairs or Polished Blackstone Slab or Polished Blackstone Wall or Polished Blackstone Bricks or Polished Blackstone Brick Stairs or Polished Blackstone Brick Slab or Polished Blackstone Brick Wall</u>	<u>Blackstone</u>		
<u>Chiseled Polished Blackstone or Polished Blackstone Stairs or Polished Blackstone Slab or Polished Blackstone Wall or Polished Blackstone Bricks or Polished Blackstone Brick Stairs or Polished Blackstone Brick Slab or Polished Blackstone Brick Wall</u>	<u>Polished Blackstone</u>		
<u>Polished Blackstone Brick Stairs or Polished Blackstone Brick Slab or Polished Blackstone Brick Wall</u>	<u>Polished Blackstone Bricks</u>		

Name	Ingredients	Cutting recipe	[hide] Description
End Stone Bricks or End Stone Brick Stairs or End Stone Brick Slab or End Stone Brick Wall	<u>End Stone</u>		
End Stone Brick Stairs or End Stone Brick Slab or End Stone Brick Wall	<u>End Stone Bricks</u>		
Purpur Pillar or Purpur Stairs or Purpur Slab	<u>Purpur Block</u>		
Quartz Stairs or Quartz Slab or Chiseled Quartz Block or Quartz Bricks or Quartz Pillar	<u>Block of Quartz</u>		
Smooth Quartz Stairs or Smooth Quartz Slab	<u>Smooth Quartz</u>		
Unwaxed Copper Grate or Unwaxed Cut Copper or Waxed Copper Grate or Waxed Cut Copper	<u>Matching Unwaxed Block of Copper</u> or <u>Matching Waxed Block of Copper</u>		
Unwaxed Chiseled Copper or Unwaxed Cut Copper Slab or Unwaxed Cut Copper Stairs or Waxed Chiseled Copper or Waxed Cut Copper Slab or Waxed Cut Copper Stairs	<u>Matching Unwaxed Block of Copper</u> or <u>Matching Waxed Block of Copper</u>		

Name	Ingredients	Cutting recipe	[hide] Description
Unwaxed Chiseled Copper or Unwaxed Cut Copper Slab or Unwaxed Cut Copper Stairs or Waxed Chiseled Copper or Waxed Cut Copper Slab or Waxed Cut Copper Stairs	Matching Unwaxed Cut Copper or Matching Waxed Cut Copper	 A 2x2 cutting recipe grid showing two unwaxed copper blocks and one unwaxed copper slab.	

Profession

Main article: Job site block

If a stonecutter has not been claimed by a villager, any nearby unemployed villager has a chance to change their profession to a mason and claim the stonecutter as their job site block.

Note blocks

Stonecutters can be placed under note blocks to produce "bass drum" sounds.

Sounds

Generic

Java Edition:

█ stone sound type [hide]								
Sound	Closed captions	Source	Description	Identifier	Translation key	Volume	Pitch	Attenuation distance
	Block broken	Blocks	Once the block has broken	block .stone .break	subtitles .block .generic .break	1.0	0.8	16
	Block placed		When the block is placed	block .stone .place	subtitles .block .generic .place	1.0	0.8	16
	Block breaking	Blocks	While the block is in the process of being broken	block .stone .hit	subtitles .block .generic .hit	0.25	0.5	16
	Something falls on a block	Entity-Dependent	Falling on the block with fall damage	block .stone .fall	subtitles .block .generic .fall	0.5	0.75	16
	Footsteps	Entity-Dependent	Walking on the block	block .stone .step	subtitles .block .generic .footsteps	0.15	1.0	16

Bedrock Edition:

stone sound type [hide]							
Sound	Closed captions [upcoming: BE 26.0]	Source	Description	Identifier	Translation key [upcoming: BE 26.0]	Volume	Pitch
	Block broken	Blocks	Once the block has broken	dig .stone	subtitles.block.generic.break	1.0	0.8-1.0
	Block broken	Blocks	When the block is placed	dig .stone	subtitles.block.generic.break	1.0	0.8-1.0
	Block breaking	Blocks	While the block is in the process of being broken	hit .stone	subtitles.block.generic.hit	0.37	0.5
	Footsteps	Players	Falling on the block with fall damage	fall .stone	subtitles.block.generic.footsteps	0.4	1.0
	Footsteps	Players	Walking on the block	step .stone	subtitles.block.generic.footsteps	0.3	1.0
	Footsteps	Blocks	Jumping from the block	jump .stone	subtitles.block.generic.footsteps	0.12	1.0
	Footsteps	Blocks	Falling on the block without fall damage	land .stone	subtitles.block.generic.footsteps	0.22	1.0

Unique

i This section is missing information about: ui.stonecutter.select_recipe (no subtitle as per MC-238730)

Please expand the section to include this information. Further details may exist on the [talk page](#).

Java Edition:

Sounds [hide]								
Sound	Closed captions	Source	Description	Identifier	Translation key	Volume	Pitch	Attenuation distance
	Stonecutter used	Blocks	When a block is taken from the result	ui .stonecutter .take_result	subtitles.ui .stonecutter .take_result	1.0	1.0 [sound 1]	16
	Mason works	Friendly Mobs	Randomly while a mason is working	entity .villager .work_mason	subtitles.entity .villager .work_mason	1.0	0.8-1.2 [sound 1]	16

1. Can be multiplied by 1.0 or 0.92 for each sound

Bedrock Edition:

Sounds [hide]							
Sound	Closed captions [upcoming: BE 26.0]	Source	Description	Identifier	Translation key [upcoming: BE 26.0]	Volume	Pitch
?	Blocks	When a block is taken from the result	ui.stonecutter.take_result	?	1.0	varies [sound 1]	
	Blocks	Randomly while a stone mason is working	block.stonecutter.use	?	0.7	varies [sound 1]	

1. Can be 1.0 or 0.92 for each sound

Data values

ID

Java Edition:

Name	Identifier	Form	Translation key [hide]
 Stonecutter	stonecutter	Block & Item	block.minecraft.stonecutter

Bedrock Edition:

Name	Identifier	Numeric ID	Form	Item ID ^[i 1]	Translation key [hide]
 Stonecutter	stonecutter_block	452	Block & Giveable Item ^[i 2]	Identical ^[i 3] (Numeric: -197)	tile.stonecutter_block.name

1. ID of block's direct item form, which is used in savegame files and addons.
2. Available with `/give` command.
3. The block's direct item form has the same ID as the block.

Block states

Java Edition:

Name	Default value	Allowed values	Description [hide]
facing	north	east north south west	The direction the stonecutter is facing. The opposite from the direction the player faces when placing a stonecutter.

Bedrock Edition:

Name	Metadata Bits	Default value	Allowed values	Values for Metadata Bits	Description	[hide]
<code>minecraft:cardinal_direction</code>	Not Supported	north	east north south west	Unsupported	The direction the stonecutter is facing. The opposite from the direction the player faces when placing a stonecutter.	

Videos

History

See also: [Stonecutter \(old\) § History](#)

Java Edition

<i>Java Edition</i>		
[hide]		
1.14	18w44a	 Added stonecutters. <p>Stonecutters are currently obtainable only from the Creative inventory and do not have any functionality.</p>
	18w46a	 The stonecutter's texture has been changed. The stonecutter's blade now has an animated texture.
	18w48a	Stonecutters now generate in the updated plains villages .
	18w49a	Stonecutters now generate in the updated savanna villages and the new snowy tundra villages .
	18w50a	Stonecutters now generate in the updated desert and taiga villages .
	19w04a	Stonecutters can now be crafted.
	19w04b	Stonecutters are now used as a simpler way to craft various stone variants.
	19w11a	Stonecutters now serve as mason villagers' job site block .
	19w12a	Cut sandstone and cut red sandstone, as well as their slabs , can now be crafted with the stonecutter.
	19w13b	Chiseled stone bricks can now be crafted from stone bricks.
1.17	21w05a	Copper block and cut copper variants can now be crafted with the stonecutter.
	21w07a	Deepslate can now be used in the stonecutter to produce its variants.
	21w13a	The model of the stonecutter has been tweaked so that the backside of the saw texture is mirrored.
1.18	21w40a	A block of copper can now be converted to 4 blocks of cut copper when using the stonecutter.
1.19	22w11a	Mud bricks can now be used in the stonecutter to produce its variants.
1.20	23w12a	Stonecutters now generate in trail ruins .
	23w16a	Stonecutters no longer generate in trail ruins.

Bedrock Edition

Bedrock Edition		
1.10.0 Experiment Experimental Gameplay	beta 1.10.0.3	 Added the new stonecutter, a separate block from the old <u>stonecutter</u> , but with the same name. Stonecutters currently do not have any functionality and can be obtained only with experimental gameplay on.
1.11.0	beta 1.11.0.1	Added stonecutter functionality. Stonecutters are now available outside experimental gameplay and are available in the Creative inventory.
1.16.210 Experiment Caves and Cliffs	beta 1.16.210.57	<u>Copper block</u> and <u>cut copper</u> variants can now be crafted with the stonecutter.
1.17.0 Experiment Caves and Cliffs	beta 1.16.230.52	Deepslate can now be used in the stonecutter to produce its variants.
1.19.0	beta 1.19.0.20	Mud bricks can now be used in the stonecutter to produce its variants.
1.20.30	Preview 1.20.30.20	Stonecutters no longer drop themselves when mined without a pickaxe.

PlayStation 4 Edition

PlayStation 4 Edition

Data history

Bedrock Edition

Issues

Issues relating to "Stonecutter" are maintained on the [bug tracker](#). Issues should be reported and viewed there (<https://bugs.mojang.com/issues/?jql=project%20in%20%28MC%2C%20MCPE%29%20AND%20%28resolution%20is%20EMPTY%20OR%20resolution%20in%20%281%2C%202%2C%206%29%29%20AND%20%28summary%20~%20%22Stonecutter%22%29%20ORDER%20BY%20resolution%20DESC>).

Trivia

- Even though the iron blade appears to be spinning rapidly, it deals no damage and has no hitbox.
 - The stonecutter was most likely based on the old stonecutter from *Bedrock Edition*, as it has

similar functionality.

Gallery



The old stonecutter compared to the new one.

First image of the new stonecutter.

External links

- Block of the Week: Stonecutter (<https://www.minecraft.net/en-us/article/block-week--stonecutter>)
– Minecraft.net on February 18, 2021

Navigation

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	Structural	[show]
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	Natural	[show]
	Utility	[hide]
Interactable	Anvil (■ Chipped ■ Damaged) Barrel Beacon Brewing Stand Cartography Table Chest (■ Ender Copper) Crafting Table Enchanting Table Furnace (■ Blast Smoker) Grindstone Lectern Loom Shulker Box (■ Dyed) Sign (■ Hanging) Smithing Table Stonecutter	
Utilizable	Banners (■ Ominous) Beehive Beds Bell Bookshelf Cake (■ with Candle) Campfire (■ Soul) Cauldron Chiseled Bookshelf Composter Conduit Copper Golem Statue Decorated Pot End Gateway End Portal End Portal Frame Farmland Fletching Table Flower Pot Frosted Ice Heads Skeleton Wither Skeleton Zombie Creeper Piglin Dragon) Heavy Core Jukebox Ladder Lodestone Monster Spawner Nether Portal Respawn Anchor Scaffolding Shelf Sponge (■ Wet) Suspicious Gravel Suspicious Sand TNT Trial Spawner (■ Ominous) Vault (■ Ominous)	
Redstone/ Mechanical	Buttons (■ Wooden ■ Stone ■ Polished Blackstone) Copper Bulb Crafter Daylight Detector Dispenser Dropper Doors Copper Iron Wooden) Honey Block Hopper Lever Lightning Rod Note Block Observer Piston (■ Sticky) Pressure Plates (■ Wooden) Stone Polished Blackstone	

BE & edu only

	Heavy Weighted		Light Weighted)		Rail	(Activator		Detector
	Powered)		Redstone Lamp		Redstone Wire	(Comparator		
	Repeater		Torch)		Slime Block		Target		Trapped Chest
	Trapdoors	(Copper		Iron		Wooden)		Fence Gates
	Tripwire Hook	(~	Tripwire)						

	Allow		Border		Chalkboard		Compound Creator		Deny
	Element Constructor		Heat Block		Item Frame	(Glow)		Lab Table
	Material Reducer		Underwater TNT		Underwater Torch				

Creative or commands only[\[show\]](#)**Removed**[\[show\]](#)**Unused**[\[show\]](#)**Unimplemented**[\[show\]](#)**Joke**[\[show\]](#)**Extreme metadata variants**[\[show\]](#)

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