IISE Transactions LATEX Template

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Abstract

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We strongly encourage authors to address the following three questions in their **abstract**, preferably following the order shown: (1) Research problem statement: what is the research problem to be addressed? (2) Methods and results: how do the authors address the research problem and what are the main results? (3) Insights and implications: What have the authors learned (as opposed to what they did, which is covered in point (2)) from conducting this research? What is the knowledge gained and why does it matter? The abstract should be written in **a single paragraph**..

We thank you for your attention to these details.

Keywords: IISE Transactions; IATEX; Manuscript format; Taylor & Francis.

Contents

1	Doo	ocumentation conventions 6				
2	Intr	roduction	7			
	2.1	Destiny	7			
	2.2	Response	7			
	2.3	Operation	8			
	2.4	Arguments	8			
		2.4.1 Character	8			
		2.4.2 Integer	8			
		2.4.3 Boolean	8			
		2.4.4 Float	9			
		2.4.5 String	9			
		2.4.6 Array	9			
		2.4.7 File	10			
		2.4.8 Server type	10			
		2.4.9 Block	10			
		2.4.10 Item	11			
3	Ser	ver manager petition	12			
	3.1	Start server operation	12			
		3.1.1 Maps	14			
		3.1.2 Plugins	15			
		3.1.3 Server version	16			
		3.1.4 Config files	16			
	3.2	Server started notification	17			
	3.3	Error notification	17			
4	Ser	ver petition	18			
	4.1	Server petition group	18			
	4.2	Server petition operation	19			
	4.3	Base operations	19			

		4.3.1	Server stop operation	19
		4.3.2	Server stopped notification	20
		4.3.3	Server started notification	20
		4.3.4	Whitelist player operation	20
		4.3.5	OP player operation	21
		4.3.6	Error notification	21
	4.4	Perform	mance operations	22
	4.5	World	Guard operations	22
	4.6	Reside	ence operations	22
5	? pe	etition		23
	5.1	Subse	ction heading 3.1	23
		5.1.1	Sub-subsection heading 3.1.1	23
	5.2	Subsec	tion heading 3.2	23
	5.3	Subsec	tion heading 3.3	23
6	Rev	rision h	nistory	24
\mathbf{A}	Bloc	cks		25
	A.1	Materi	ial modifiers	25
		A.1.1	Unused modifiers	25
		A.1.2	Age	25
		A.1.3	Attachment	26
		A.1.4	Axis	26
		A.1.5	Berries	27
		A.1.6	Bites	28
		A.1.7	Candles	28
	A.2	Materi	ial modifiers concatenation	43
			tar modifiers concatenation	

Figures

2.1	Packet structure	7
2.2	True packet with the LSB at 1	9
2.3	True packet with all bits at 1	9
2.4	Structure of a String	9
2.5	Example of a string array	10
2.6	File structure	11
3.1	Server manager petition structure	12
3.2	Start server petition structure	13
3.3	Start server response structure	14
3.4	Start server error response structure	14
3.5	Usual plugin structure	16
3.6	File plugin structure	16
3.7	Server started notification structure	17
3.8	Error notification structure	17
4.1	Server petition structure	18
4.2	Implemented group response structure	19
4.3	Stop server operation structure	20
4.4	Server stopped response structure	20
4.5	Server started response structure	21
4.6	Whitelist player operation structure	21
4.7	OP player operation structure	21

Tables

2.1	DST bits meaning	7
4.1	Extended types	19
6.1	Revision history	24
A.1	Unused Spigot BlockData's modifiers	26
A.2	Unused Spigot BlockData's modifiers on certain blocks	27

1 Documentation conventions

...

abbreviations

2 Introduction

Figure 2.1: Packet structure

2.1 Destiny

explain

reference to the interconnected blocks

DST[2]	DST[1]	DST[0]	Destination
0	0	0	ServerManagerPetition
0	0	1	ServerPetition
0	1	0	ClientConnectorPetition
0	1	1	ClientPetition
1	X	X	Reserved

Table 2.1: DST bits meaning

2.2 Response

Some of the petitions have return objects. Those petitions will return to the sender (Tester-Connector) with the same code, but with a '1' on the Response parameter. In that case, the parameter Destiny now means 'Origin'.

Some petitions have async "returns" (for example: examples). Those will be sent using petitions without return's operations (so, petitions without a mirror petition with a '1' as

Response), marked as responses (Response bit at '1').

2.3 Operation

The Operation parameter specifies the desired request. Those change according to the Destiny, so they will be discussed in more detail in their respective sections.

The only exception is the all-zeroes operation (0b00000000000) which represents a NOP request. That way, if you need to perform a long test, you won't be explain the 'kicked by inactivity' concept kicked by inactivity if you send this request every few minutes.

2.4 Arguments

The Arguments parameter specifies the arguments (if any) to the *Operation* request. Those change according to the Destiny, so the amount of arguments, and their types and order will be discussed in more detail in their respective sections.

Now there will be discussed the most common data types, so they will be independent of any programming language.

2.4.1 Character

Characters are sent as a 1-byte integer, representing its ASCII ref? value.

2.4.2 Integer

Integers are signed 4-bytes integers.

2.4.3 Boolean

Booleans are 1-bit element that represents true (0b1), or false (0b0).

For alignment define? reasons, booleans will be sent as 1-byte element. To avoid misunderstandings, let's define false as 0x00, and true as 'not define? false'. That way, this two packets are valid true elements:

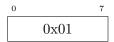


Figure 2.2: True packet with the LSB at 1



Figure 2.3: True packet with all bits at 1

2.4.4 Float

Floats are 4-bytes floating-point numbers. They are represented following the IEEE 754¹.

2.4.5 String

Strings are arrays of characters. Refer to the respective subsections for more information.

2.4.6 Array

Arrays are a set of n elements of the same type.

The structure is a 2-byte first (0..7) MSB, then (8..15) LSB integer (representing the number of elements, n), followed by n elements of the same type. As a note here, by representing the size with a 2-byte integer the maximum number of elements per array is 65,535.

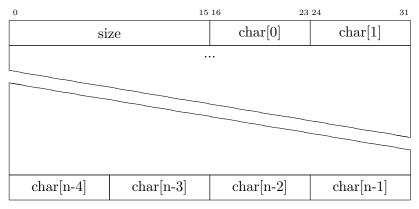


Figure 2.4: Structure of a String

¹This standard should be used by C, Java and Python. cite?

Arrays can be multidimensional, holding n arrays of the same type. It's worth mentioning that they don't have to be arrays of the same length, as can be seen in Figure 2.5, Example of a string array.

0	15	16 23	31
2 [number	of arrays]	5 [str[0]	's length]
h	e	1	1
О	6 [str[1]'	s length]	W
О	r	1	d
!		next type	

Figure 2.5: Example of a string array

2.4.7 File

Similar to the Array, a File is a name (String), followed by a group of bytes.

The problem here is that if we stick with the Array structure, the maximum size of a file will be around 8kB. To solve this, the File structure implements some kind of 'extended array', that extends the 'size' parameter to 32 bits. That way, the file size restriction by protocol definition² is 4GB.

2.4.8 Server type

The Server type specifies the Minecraft server.

As a standard, we only support Spigot (Spigot (n.d.)) and Paper (PaperMC (n.d.)), but for major compatibility this parameter is a String specifying the server type.

2.4.9 Block



²Besides defining here what's allowed, remember that this packet will be inside a TCP payload definition?

This means that the maximum file size will be probably redefined by the machine's TCP firewalls.

³The path must be relative, and you can't go outside the Server directory (using '../'). Both " and './' means the root of the Server directory.

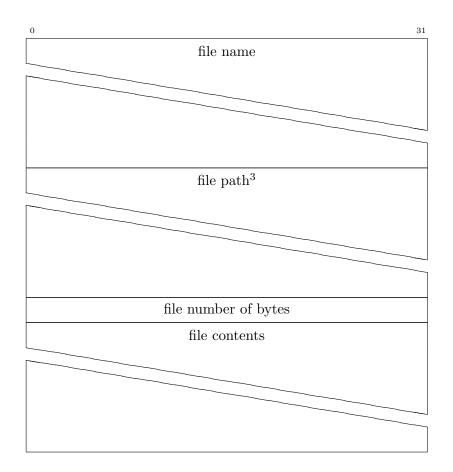


Figure 2.6: File structure

2.4.10 Item

...

3 Server manager petition

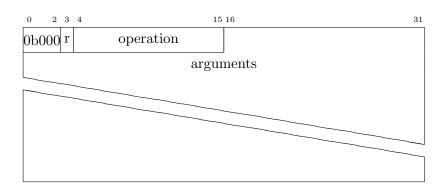


Figure 3.1: Server manager petition structure

Table of operations

You don't have to implement the NOP operation in this destiny block because the timeout happens inside the Server petition block. That is, if you don't call operations (or send NOPs) to the Server petition for a long time, the server will stop, and because the server stopped the Server manager will close the established connection.

3.1 Start server operation

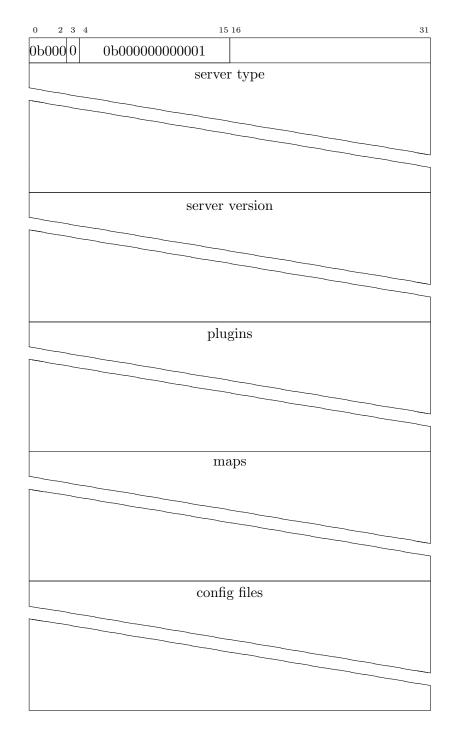


Figure 3.2: Start server petition structure

Once a 'start server' request is received the program should create a server with the specified arguments, and return its IP:Port (for example, '127.0.0.1:25565', a 15-characters string; see Figure 3.3, Start server response structure). The IP to send the Server Petitions is the same, but the next port (IP:<port+1>).

If it's not possible to create it (for example: one argument is invalid, the user sent a plugin when it's specified that only Usual Plugins are allowed explain, or there's no free servers of that type), then an empty IP is returned (see Figure 3.4, Start server error response structure).

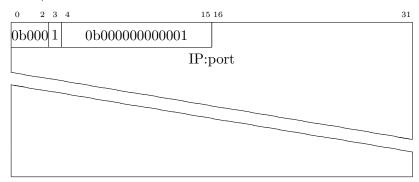


Figure 3.3: Start server response structure



Figure 3.4: Start server error response structure

3.1.1 Maps

Array of maps (worlds; Map[]). To have more information about arrays check the subsection 2.4.6, Array.

About the Map type, Minecraft is divided on different worlds (World - Minecraft Wiki (n.d.)). By default there's only three, but with some plugins this number can increase.

In order to properly test some plugins, there may be needed some kind of known place. To avoid overusing the Set block operation link you can send using this argument your(s) world(s).

⁴Being the argument an array, the first 2 bytes specifies its size. As we must return an empty array, the argument should be exactly 16 zeroes.

Map in more detail

3.1.2 Plugins

Array of plugins (Plugin[]). To have more information check the subsection 2.4.6, Array.

About the Plugin type, there's three types of plugins:

1. Usual plugins

The Usual plugins are plugins that you expect everyone to have for being extremely common, like WorldGuard (WorldGuard (n.d.)), or to allow the user to test plugins with Premium plugins⁵ dependencies. This allows both security and performance.

Something to highlight is the fact that, as mentioned in the operation Allows non usual plugins reference, some ServerManager will only allow plugins that are already in the machine.

As can be seen in the Figure 3.5, Usual plugin structure, the first argument (that specifies the Plugin type) is 0x00.

The plugin version is optional, and can't be specified in the parameter *name*. If no version is provided (an empty string) then the Server Manager will pick the plugin with the highest version that is compatible with the desired server version.

2. Uploaded plugins

The Uploaded plugins are plugins available in some website, thus can be sent through an URL.

structure?

3. File plugins

File plugins are plugins that are non-usual and aren't uploaded in any website, so they must be sent as a file.

As can be seen in the Figure 3.6, File plugin structure, the first argument (that specifies the Plugin type) is 0x02.

⁵Premium plugins are paid plugins. For that reason, only the purchaser can download them (so you can't send a link to the plugin), and sending them through the internet via file upload may not be legal, so the plugin must be already downloaded in the machine.

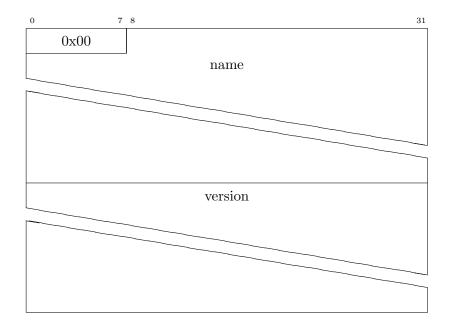


Figure 3.5: Usual plugin structure

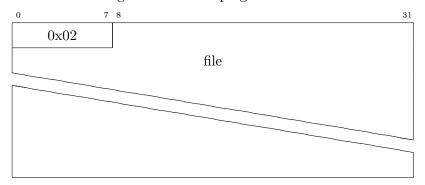


Figure 3.6: File plugin structure

mixed plugin types example?

3.1.3 Server version

String specifying the server type's version. For example, '1.12.2'.

3.1.4 Config files

16

3.2 Server started notification

After a Start server operation the server will start. Due to the unpredictable amount of time that the server takes to start up you'll receive a Server started notification once the server socket is available.

You may notice that there's another Server started notification under the Server petition section. That notification goes to the ServerManager ref?, while this goes to the Tester ref?. Also, the Server one have a token that is only shared between Server and the ServerManager, and the Tester doesn't have to know it too.



Figure 3.7: Server started notification structure

3.3 Error notification

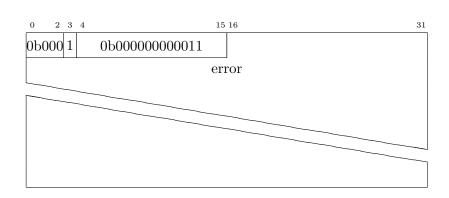


Figure 3.8: Error notification structure

4 Server petition

...

The server petitions are a bit different from the rest. The server petitions are designed in a way that everyone have some common operations, and then you can add some others optionally (and even non-standard ones). We'll define this 'set of operations' as groups.

For that reason, the operation field (defined on the Figure 2.1, Packet structure) becomes the group, and then the operation is defined on the next 2 bytes, as shown in the Figure 4.1, Server petition structure.

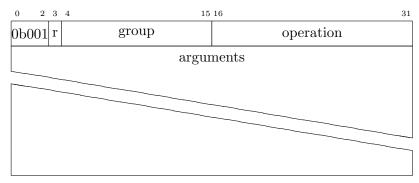


Figure 4.1: Server petition structure

4.1 Server petition group

The group tells which kind of petitions we're talking about.

The MSB abbreviation? tells if the group is one of the standards, thus must be followed by specification, or if it's non-standard, so the petition can be whatever the user want it to be. This is useful if you want to implement a petition not followed by the standard, or if the petition only makes sense in your personal environment.

The 0b00000000001 group represents the 'base group'. This group implements some basic operations, and must be implemented. All the others are optional.

If you've implemented an extended type and you believe that it makes sense to be part of the standard contact contacto@rogermiranda1000.com to reserve one of the addresses.

⁶As stated on the subsection 2.3, Operation, the all-zeroes operation represents a NOP request.

type[15]	type[144]	Extended type
0 0b000000000 Ne		NOP^6
0	0b00000000001	Base operations
0	0b00000000010	Performance operations
0	0b00000000011	WorldGuard operations
0	0b00000000100	Residence operations
1	XXXXXXXXXX	Reserved for internal use

Table 4.1: Extended types

4.2 Server petition operation

Like the parameter Operation, it specifies the desired request. For more information, refer to the subsection 2.3, Operation.

The only reserved operation is the all-zeroes operation (0x0000). It represents the question 'is this extended petition implemented?'. The server must response (with the response bit at 1) with true (group implemented on this machine) or false (unknown/unimplemented group), as it can be seen in Figure 4.2, Implemented group response structure.



Figure 4.2: Implemented group response structure

4.3 Base operations

'is implemented' (all zeroes) optional

4.3.1 Server stop operation

⁷except for groups 0b000000000000 and 0b00000000001

0 2 3 4			5 16 31			
0b0	001	0		0b0000000000001	0x0001	

Figure 4.3: Stop server operation structure

4.3.2 Server stopped notification

... response to..

To have more information about the server id parameter check the Subsection 4.3.3, Server started notification.

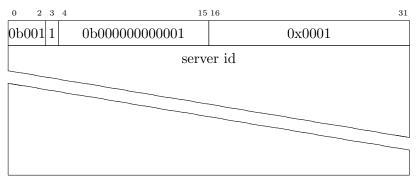


Figure 4.4: Server stopped response structure

4.3.3 Server started notification

This notification is sent to the Server Manager ref?, as a response for the Start server operation, thus not really a response of a Server's operation.

As one IP can have multiple servers, a string that identifies the server must be sent with the response. This argument can be whatever you want (for example, <server ip>:<server port> will be unique), but must be shared between both the Server Manager and the Server. For security reasons cite IP spoofing or similar (because the Tester ref? also knows the server's IP and port) a hash function is encouraged to be used.

4.3.4 Whitelist player operation

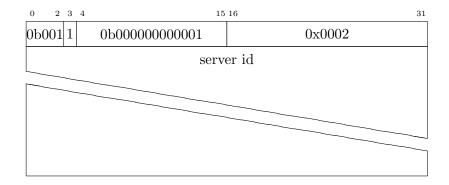


Figure 4.5: Server started response structure

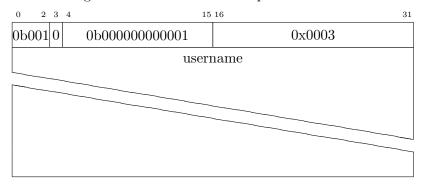


Figure 4.6: Whitelist player operation structure

4.3.5 OP player operation

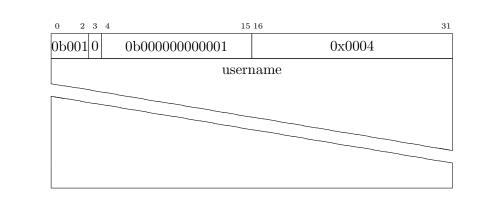


Figure 4.7: OP player operation structure

4.3.6 Error notification

21

- 4.4 Performance operations
- ...
- 4.5 WorldGuard operations
- ...
- 4.6 Residence operations
- . . .

5 ? petition

First-level headings should be in bold.

5.1 Subsection heading 3.1

Second-level headings should be in bold italics.

5.1.1 Sub-subsection heading 3.1.1

Third-level headings should be in italics.

5.2 Subsection heading 3.2

5.3 Subsection heading 3.3

6 Revision history

I	Date	Revision	Changes	
	date	1	Initial release.	

Table 6.1: Revision history

A Blocks

For generating the blocks enum Spigot 1.19 was used. That means that all the block names should be the exact same as Spigot - Enum Material (n.d.).

A.1 Material modifiers

There's one downside on using Spigot's Material: it doesn't describes perfectly the block. In some aspects it will, for example, distinguish between wood types, but it won't differentiate between a wooden stair and a wooden stair with water.

That's why there's some prefixes and suffixes (that will be discussed in the following subsections) surrounding the original Spigot name, to make every possible Minecraft block combination appear in the block enum. Just to clarify, this has also been extracted from Spigot (all Spigot - Interface BlockData (n.d.)'s subinterfaces in Spigot 1.19).

A.1.1 Unused modifiers

There's some Spigot modifiers that beside existing it won't be imported because there aren't a distinguished block in their own. You can find those in Figure A.1, Unused Spigot Block-Data's modifiers.

In addition to this, some modifiers applied to certain blocks doesn't change the block itself. Those are mentioned in Figure A.2, Unused Spigot BlockData's modifiers on certain blocks.

A.1.2 Age

Represents the different growth stages that a crop-like block can go through.

Defaults to 0.

BEETROOTS 0-3 BAMBOO 0-1 CARROTS 0-7 CHORUS_FLOWER 0/5 0 = 6 0; 5

Modifier name	Reason for discarding	
has_bottle_X	Inventory dependent	
has_record	Inventory dependent	
enabled	Adjacent redstone dependent	
triggered	Adjacent redstone dependent	
instrument	Bottom-block dependent	
occupied	Entity dependent	
persistent	Admin block	
unstable	Admin block	
distance	Block dependent	
stage	Same block	
short	Tick dependent	
attached	Block dependent	
disarmed	Block dependent	
power	Block/event dependent	
tilt	Entity dependent	
can_summon	Admin block	
shrieking	Entity dependent	
bloom	Admin block	
bottom	Bottom-block dependent	

Table A.1: Unused Spigot BlockData's modifiers

A.1.3 Attachment

change texture

 $Defaults\ to\ floor.$

 $BELL\ ceiling/double_wall/floor/single_wall$

A.1.4 Axis

 $Represents\ the\ axis\ along\ whilst\ this\ block\ is\ oriented.$

Except for NETHER_PORTAL (which defaults to x), it defaults to y.

Block name	Modifier name
CAVE_VINES	age
CACTUS	age
FIRE	age
KELP	age
SUGAR_CANE	age
MANGROVE_PROPAGULE	age
TWISTING_VINES	age
WEEPING_VINES	age

Table A.2: Unused Spigot BlockData's modifiers on certain blocks

 $NETHER_PORTAL\ x/z\ ACACIA_LOG\ x/y/z\ ACACIA_WOOD\ x/y/z\ BASALT\ x/y/z$ $BIRCH_LOG\ x/y/z\ BIRCH_WOOD\ x/y/z\ BONE_BLOCK\ x/y/z\ CHAIN\ x/y/z\ CRIM-SON_HYPHAE\ x/y/z\ CRIMSON_STEM\ x/y/z\ DARK_OAK_LOG\ x/y/z\ DARK_OAK_WOOD$ $x/y/z\ DEEPSLATE\ x/y/z\ HAY_BLOCK\ x/y/z\ INFESTED_DEEPSLATE\ x/y/z\ JUNGLE_LOG$ $x/y/z\ JUNGLE_WOOD\ x/y/z\ MANGROVE_LOG\ x/y/z\ MANGROVE_WOOD\ x/y/z\ MUDDY_MANGROVE_LOG\ x/y/z\ OAK_LOG\ x/y/z\ OAK_WOOD\ x/y/z\ OCHRE_FROGLIGHT\ x/y/z\ PEARLESCENT_FROGLIGHT$ $x/y/z\ POLISHED_BASALT\ x/y/z\ PURPUR_PILLAR\ x/y/z\ QUARTZ_PILLAR\ x/y/z\ SPRUCE_LOG$ $x/y/z\ STRIPPED_BIRCH_LOG\ x/y/z\ STRIPPED_ACACIA_LOG\ x/y/z\ STRIPPED_ACACIA_WOOD$ $x/y/z\ STRIPPED_BIRCH_LOG\ x/y/z\ STRIPPED_DARK_OAK_LOG\ x/y/z\ STRIPPED_DARK_OAK_V$ $x/y/z\ STRIPPED_JUNGLE_LOG\ x/y/z\ STRIPPED_JUNGLE_WOOD\ x/y/z\ STRIPPED_MANGROVE_LOG$ $x/y/z\ STRIPPED_MANGROVE_WOOD\ x/y/z\ STRIPPED_OAK_LOG\ x/y/z\ STRIPPED_OAK_WOOD$ $x/y/z\ STRIPPED_MANGROVE_LOG\ x/y/z\ STRIPPED_OAK_LOG\ x/y/z\ STRIPPED_OAK_WOOD$ $x/y/z\ STRIPPED_MANGROVE_LOG\ x/y/z\ STRIPPED_OAK_LOG\ x/y/z\ STRIPPED_OAK_WOOD$ $x/y/z\ STRIPPED_SPRUCE_LOG\ x/y/z\ STRIPPED_OAK_LOG\ x/y/z\ STRIPPED_OAK_PED_HYPHAE$ $x/y/z\ STRIPPED_WARPED_STEM\ x/y/z\ VERDANT_FROGLIGHT\ x/y/z\ WARPED_HYPHAE$ $x/y/z\ WARPED_STEM\ x/y/z\ WARPED_STEM\ x/y/z$

A.1.5 Berries

Indicates whether the block has berries.

Defaults to false.

CAVE_VINES true/false CAVE_VINES_PLANT true/false

A.1.6 Bites

Represents the amount of bites which have been taken from this slice of cake.

Defaults to 0.

CAKE 0-6

A.1.7 Candles

Represents the number of candles which are present.

Defaults to 1.

BLACK_CANDLE 1-4 BLUE_CANDLE 1-4 BROWN_CANDLE 1-4 CANDLE 1-4 CYAN_CANDLE
1-4 GRAY_CANDLE 1-4 GREEN_CANDLE 1-4 LIGHT_BLUE_CANDLE 1-4 LIGHT_GRAY_CANDLE
1-4 LIME_CANDLE 1-4 MAGENTA_CANDLE 1-4 ORANGE_CANDLE 1-4 PINK_CANDLE
1-4 PURPLE_CANDLE 1-4 RED_CANDLE 1-4 WHITE_CANDLE 1-4 YELLOW_CANDLE
1-4

 $charges = 0 \ (RESPAWN_ANCHOR) conditional = false (CHAIN_COMMAND_BLOCK) conditional = false (CHAIN_COMMAND_BLOC$ $false(COMMAND_BLOCK)conditional = false(REPEATING_COMMAND_BLOCK)delay = false(REPEATING_COMMAND_BLOCK)dela$ $1(REPEATER)down = false(CHORUS_PLANT)down = false(GLOW_LICHEN)down =$ $false(SCULK_VEIN)down = true(BROWN_MUSHROOM_BLOCK)down = true(MUSHROOM_STEM)down = true(MUSHROOM_STEM)down = true(BROWN_MUSHROOM_BLOCK)down = true(BROWN_MUSHROOM_B$ $true(RED_MUSHROOM_BLOCK)east = false(ACACIA_FENCE)east = false(BIRCH_FENCE)east = false(BIRCH_$ $false(BLACK_STAINED_GLASS_PANE)east = false(BLUE_STAINED_GLASS_PANE)east = false(BL$ $false(BROWN_STAINED_GLASS_PANE)east = false(CHORUS_PLANT)east = false(CRIMSON_FENCE)$ $false(CYAN_STAINED_GLASS_PANE)east = false(DARK_OAK_FENCE)east = false(FIRE)east =$ $false(GLASS_PANE)east = false(GLOW_LICHEN)east = false(GRAY_STAINED_GLASS_PANE)east = false(GLASS_PANE)east = false(GLASS_PA$ $false(GREEN_{S}TAINED_{G}LASS_{P}ANE)east = false(IRON_{B}ARS)east = false(JUNGLE_{F}ENCE)east = false(IRON_{B}ARS)east = false(IRON_{B}ARS)east$ $false(LIGHT_BLUE_STAINED_GLASS_PANE)east = false(LIGHT_GRAY_STAINED_GLASS_PANE)east = false(LIGHT_GRAY_STAINE$ $false(LIME_{S}TAINED_{G}LASS_{P}ANE)east = false(MAGENTA_{S}TAINED_{G}LASS_{P}ANE)east = false(MAGENTA_{S}TAINED$ $false(MANGROVE_FENCE)east = false(NETHER_BRICK_FENCE)east = false(OAK_FENCE)east = false($ $false(ORANGE_STAINED_GLASS_PANE)east = false(PINK_STAINED_GLASS_PANE)east = false(P$ $false(PURPLE_{S}TAINED_{G}LASS_{P}ANE)east = false(RED_{S}TAINED_{G}LASS_{P}ANE)east = false(RED_{S}TAINED_{G}LA$ $false(SCULK_VEIN)east = false(SPRUCE_FENCE)east = false(TRIPWIRE)east = false(TRIPWIRE$

 $false(VINE)east = false(WARPED_FENCE)east = false(WHITE_STAINED_GLASS_PANE)east = false(VINE)east = false(WARPED_FENCE)east = false(WHITE_STAINED_GLASS_PANE)east = false(WARPED_FENCE)east = false(WHITE_STAINED_GLASS_PANE)east = false(WHITE_STAINED_GLASS_PANE$

 $false(YELLOW_STAINED_GLASS_PANE)east = none(ANDESITE_WALL)east = none(BLACKSTONESTAINEDGLASS_PANE)east = none(BLACKSTONESTAI$ $none(BRICK_WALL)east = none(COBBLED_DEEPSLATE_WALL)east = none(COBBLESTONE_WALL)east = none(COBBLESTO$ $none(DEEPSLATE_BRICK_WALL)east = none(DEEPSLATE_TILE_WALL)east = none(DIORITE_WALL)east = none$ $none(END_STONE_BRICK_WALL)east = none(GRANITE_WALL)east = none(MOSSY_COBBLESTONE_BRICK_WALL)east = none(END_STONE_BRICK_WALL)east = none(END_STONE_BRICK_WALL)east$ $none(MOSSY_STONE_BRICK_WALL)east = none(MUD_BRICK_WALL)east = none(NETHER_BRICK_WALL)east = no$ $none(POLISHED_BLACKSTONE_BRICK_WALL)east = none(POLISHED_BLACKSTONE_WALL)east$ $none(POLISHED_DEEPSLATE_WALL)east = none(PRISMARINE_WALL)east = none(REDSTONE_WALL)east = none$ $none(RED_NETHER_BRICK_WALL)east = none(RED_SANDSTONE_WALL)east = none(SANDSTONE_WALL)east = none(SAN$ $none(STONE_BRICK_WALL)east = true(BROWN_MUSHROOM_BLOCK)east = true(MUSHROOM_STERMED) = true(BROWN_MUSHROOM_BLOCK)east = true(BROWN$ $true(RED_MUSHROOM_BLOCK)eggs = 1(TURTLE_EGG)extended = false(PISTON)extended = false(PISTON)extended$ $false(STICKY_PISTON)eye = false(END_PORTAL_FRAME)face = wall(ACACIA_BUTTON)face = wall(A$ $wall(BIRCH_BUTTON)face = wall(CRIMSON_BUTTON)face = wall(DARK_OAK_BUTTON)face = wall$ $wall(GRINDSTONE)face = wall(JUNGLE_BUTTON)face = wall(LEVER)face =$ $wall(MANGROVE_BUTTON)face = wall(OAK_BUTTON)face = wall(POLISHED_BLACKSTONE_BUTTON)face = wall(POLISHED_BLACKSTONE_BUTTONE$ $wall(SPRUCE_BUTTON)face = wall(STONE_BUTTON)face = wall(WARPED_BUTTON)facing = wall(SPRUCE_BUTTON)face = wall(SPRUCE_BUT$ $down(HOPPER)facing = north(ACACIA_BUTTON)facing = north(ACACIA_DOOR)facing = north(ACACIA_DOOR)facin$ $north(ACACIA_FENCE_GATE) facing = north(ACACIA_STAIRS) facing = north(ACACIA_TRAPDOOF) facin$ $north(ACACIA_WALL_SIGN)facing = north(ANDESITE_STAIRS)facing = north(ANVIL)facing = north(A$ $north(ATTACHED_MELON_STEM) facing = north(ATTACHED_PUMPKIN_STEM) fac$ $north(BARREL)facing = north(BEEHIVE)facing = north(BEE_NEST)facing =$ $north(BELL) facing = north(BIG_DRIPLEAF) facing = north(BIG_DRIPLEAF_STEM) facing = north(BIG_DRIPLEAF_STE$ $north(BIRCH_BUTTON) facing = north(BIRCH_DOOR) facing = north(BIRCH_FENCE_GATE) facing = north(BIRCH_BUTTON) facing = north(BIRCH_DOOR) facing = north(BIRCH_FENCE_GATE) facing = north(BIRCH_FENCE_$ $north(BIRCH_STAIRS)facing = north(BIRCH_TRAPDOOR)facing = north(BIRCH_WALL_SIGN)facing$ $north(BLACKSTONE_STAIRS)facing = north(BLACK_BED)facing = north(BLACK_GLAZED_TERRALL)facing = north($ $north(BLACK_WALL_BANNER) facing = north(BLAST_FURNACE) facing = north(BLUE_BED) facing$ $north(BLUE_GLAZED_TERRACOTTA)facing = north(BLUE_WALL_BANNER)facing = north(BLUE_GLAZED_TERRACOTTA)facing = north(BLUE_WALL_BANNER)facing = north(BLUE_WALL_BANDER)facing = north(BLUE_WALL_$ $north(BRAIN_CORAL_WALL_FAN) facing = north(BRICK_STAIRS) facing = north(BROWN_BED) facing$ $north(BROWN_GLAZED_TERRACOTTA)$ $facing = north(BROWN_WALL_BANNER)$ $facing = north(BROWN_WALL_BANNER)$ $north(BUBBLE_{C}ORAL_{W}ALL_{F}AN)facing = north(CAMPFIRE)facing = north(CARVED_{P}UMPKIN)facing = north(CARVED_{P}UMPKIN)fa$ $north(CHAIN_COMMAND_BLOCK) facing = north(CHEST) facing = north(CHIPPED_ANVIL) facing$ $north(COBBLED_DEEPSLATE_STAIRS) facing = north(COBBLESTONE_STAIRS) facing = north(CO$

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north(COCOA) facing = north(COMMAND_BLOCK) facing = north(COMPARATOR) facing =
    north(CREEPER_WALL_HEAD)facing = north(CRIMSON_BUTTON)facing = north(CRIMSON_DOOD)facing = north(CRIMSON_DOOD)facing = north(CRIMSON_BUTTON)facing = north(CRIMSON_DOOD)facing = north(CRIMSON_BUTTON)facing = north(CRIMSON_BUTTON)facing = north(CRIMSON_DOOD)facing = north(CRIMSON_BUTTON)facing = north(CRI
    north(CRIMSON_FENCE_GATE) facing = north(CRIMSON_STAIRS) facing = north(CRIMSON_TRAPS) facing 
    north(CRIMSON_WALL_SIGN)facing = north(CUT_COPPER_STAIRS)facing = north(CYAN_BED)facing = north(CYAN
  north(CYAN_GLAZED_TERRACOTTA) facing = north(CYAN_WALL_BANNER) facing = north(CYAN_WALL_BANDER) f
    north(DAMAGED_ANVIL) facing = north(DARK_OAK_BUTTON) facing = north(DARK_OAK_DOOR) facing = no
    north(DARK_OAK_FENCE_GATE) facing = north(DARK_OAK_STAIRS) facing = north(DARK_OAK_TRAIRS) f
  north(DARK_OAK_WALL_SIGN)facing = north(DARK_PRISMARINE_STAIRS)facing = north(DARK_OAK_WALL_SIGN)facing = 
  north(DEAD_BRAIN_CORAL_WALL_FAN) facing = north(DEAD_BUBBLE_CORAL_WALL_FAN) facing = north(DEAD_BUBBLE_CORAL_
    north(DEAD_FIRE_CORAL_WALL_FAN) facing = north(DEAD_HORN_CORAL_WALL_FAN) facing = north(DEAD_FIRE_CORAL_WALL_FAN) fac
  north(DEAD_TUBE_CORAL_WALL_FAN) facing = north(DEEPSLATE_BRICK_STAIRS) facing = north(DEAD_TUBE_CORAL_WALL_FAN) facin
  north(DEEPSLATE_TILE_STAIRS)facing = north(DIORITE_STAIRS)facing = north(DISPENSER)
  north(DRAGON_WALL_HEAD)facing = north(DROPPER)facing = north(ENDER_CHEST)facing = north(DROPPER)facing = north(D
  north(END_PORTAL_FRAME) facing = north(END_STONE_BRICK_STAIRS) facing = north(END_STONE_BRICK_
  north(EXPOSED_{C}UT_{C}OPPER_{S}TAIRS) facing = north(FIRE_{C}ORAL_{W}ALL_{F}AN) facing = north(FIRE_{C}ORAL_{W}
    north(FURNACE) facing = north(GRANITE_STAIRS) facing = north(GRAY_BED) facing = north(GRAY_BED
    north(GRAY_GLAZED_TERRACOTTA) facing = north(GRAY_WALL_BANNER) facing = north(GRAY_WALL_BANNER)
    north(GREEN_BED) facing = north(GREEN_GLAZED_TERRACOTTA) facing = north(GREEN_WALL_BLAZED_TERRACOTTA) facing 
  north(GRINDSTONE) facing = north(HORN_CORAL_WALL_FAN) facing = north(IRON_DOOR) facing = north
  north(IRON_TRAPDOOR) facing = north(JACK_{OL}ANTERN) facing = north(JUNGLE_BUTTON) facing
  north(JUNGLE_DOOR) facing = north(JUNGLE_FENCE_GATE) facing = north(JUNGLE_STAIRS) facing
  north(JUNGLE_TRAPDOOR) facing = north(JUNGLE_WALL_SIGN) facing = north(LADDER) facing = n
  north(LECTERN) facing = north(LEVER) facing = north(LIGHT_BLUE_BED) facing = north(LECTERN) facing =
  north(LIGHT_BLUE_GLAZED_TERRACOTTA) facing = north(LIGHT_BLUE_WALL_BANNER) facing = north(LIGHT_BLUE_WALL_BANDER) facing = north(LIGH
north(LIGHT_GRAY_BED) facing = north(LIGHT_GRAY_GLAZED_TERRACOTTA) facing =
  north(LIGHT_GRAY_WALL_BANNER) facing = north(LIME_BED) facing = north(LIME_GLAZED_TERR) facing = 
  north(LIME_WALL_BANNER) facing = north(LOOM) facing = north(MAGENTA_BED) facing = north(LIME_WALL_BANNER) facing = north(LOOM) facing
  north(MAGENTA_GLAZED_TERRACOTTA) facing = north(MAGENTA_WALL_BANNER) facing = north(MAGENTA_WALL_BANDER) facing = north(MAGENTA_WALL_BAN
    north(MANGROVE_{B}UTTON)facing = north(MANGROVE_{D}OOR)facing = north(MANGROVE_{F}ENCE)
    north(MANGROVE_{S}TAIRS)facing = north(MANGROVE_{T}RAPDOOR)facing = north(MANGROVE_{
    north(MOSSY_COBBLESTONE_STAIRS) facing = north(MOSSY_STONE_BRICK_STAIRS) facing =
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 $north(MOVING_PISTON) facing = north(MUD_BRICK_STAIRS) facing = north(NETHER_BRICK_STAIRS) facing = n$ $north(OAK_BUTTON)$ facing = $north(OAK_DOOR)$ facing = $north(OAK_FENCE_GATE)$ facing = $north(OAK_STAIRS)facing = north(OAK_TRAPDOOR)facing = north(OAK_WALL_SIGN)facing = north(OAK_STAIRS)facing = north(OAK_S$ $north(ORANGE_BED)facing = north(ORANGE_GLAZED_TERRACOTTA)facing = north(ORANGE_GLAZED_TERRACOTTA)$ $north(ORANGE_WALL_BANNER) facing = north(OXIDIZED_CUT_COPPER_STAIRS) facing = north(OXIDIZED_CUT_CUT_COPPER_STAIRS) facing = north(OXIDIZED_CUT_CUT_CUT_$ $north(PINK_BED) facing = north(PINK_GLAZED_TERRACOTTA) facing = north(PINK_WALL_BANN) facing = north(PINK_BED) facing =$ $north(PISTON) facing = north(PISTON_HEAD) facing = north(PLAYER_WALL_HEAD) facing = north(PISTON_HEAD) facing =$ $north(POLISHED_ANDESITE_STAIRS) facing = north(POLISHED_BLACKSTONE_BRICK_STAIRS)$ $north(POLISHED_BLACKSTONE_BUTTON) facing = north(POLISHED_BLACKSTONE_STAIRS) facing = north(POLISHED_BLACKSTO$ $north(POLISHED_DEEPSLATE_STAIRS) facing = north(POLISHED_DIORITE_STAIRS) facing = no$ $north(POLISHED_GRANITE_STAIRS) facing = north(PRISMARINE_BRICK_STAIRS) facing = nort$ $north(PRISMARINE_{S}TAIRS)facing = north(PURPLE_{B}ED)facing = north(PURPLE_{G}LAZED_{T}ER)$ $north(PURPLE_WALL_BANNER) facing = north(PURPUR_STAIRS) facing = north(QUARTZ_STAIRS) facing = north(PURPUR_STAIRS) facing =$ $north(REDSTONE_{W}ALL_{T}ORCH)facing = north(RED_{B}ED)facing = north(RED_{G}LAZED_{T}ERRACCH)$ $north(RED_NETHER_BRICK_STAIRS) facing = north(RED_SANDSTONE_STAIRS) facing = north($ $north(SANDSTONE_STAIRS)facing = north(SKELETON_WALL_SKULL)facing = north(SKELETON_WALL_SKULL_SKULL_SKULL_SKULL_SKULL_SKULL_SKULL_SKULL_SKULL_SKULL_SKULL_S$ $north(SMALL_DRIPLEAF) facing = north(SMOKER) facing = north(SMOOTH_OUARTZ_STAIRS) f$ $north(SMOOTH_RED_SANDSTONE_STAIRS) facing = north(SMOOTH_SANDSTONE_STAIRS) facing$ $north(SOUL_{C}AMPFIRE)facing = north(SOUL_{W}ALL_{T}ORCH)facing = north(SPRUCE_{B}UTTON)facing = north(SPRUCE_{B}UTTON)fac$ $north(SPRUCE_DOOR)$ facing = $north(SPRUCE_FENCE_GATE)$ facing = $north(SPRUCE_STAIRS)$ facing $north(SPRUCE_TRAPDOOR)facing = north(SPRUCE_WALL_SIGN)facing = north(STICKY_PISTON)facing = north(SPRUCE_TRAPDOOR)facing =$ north(STONECUTTER) facing = $north(STONE_BRICK_STAIRS)$ facing = $north(STONE_BUTTON)$ for $north(STONE_STAIRS) facing = north(TRAPPED_CHEST) facing = north(TRIPWIRE_HOOK) facing$ $north(TUBE_{C}ORAL_{W}ALL_{F}AN)facing = north(WALL_{T}ORCH)facing = north(WARPED_{B}UTTON)f$ $north(WARPED_DOOR) facing = north(WARPED_FENCE_GATE) facing = north(WARPED_STAIRS) facing = no$ $north(WARPED_TRAPDOOR)facing = north(WARPED_WALL_SIGN)facing = north(WAXED_CUT_CORT)facing = north(WARPED_TRAPDOOR)facing = north(WARPED_TRAPDOOR)facing$ $north(WAXED_{E}XPOSED_{C}UT_{C}OPPER_{S}TAIRS) facing = north(WAXED_{O}XIDIZED_{C}UT_{C}OPPER_{S}TAIRS) facing = north(WAXED_{O}XIDIZED_{C}UT_{C}UT_{C}UT_{C}UT_{C}$ $north(WAXED_WEATHERED_CUT_COPPER_STAIRS) facing = north(WEATHERED_CUT_COPPER_STAIRS) facing = north(WEATHERE$ $north(WHITE_BED)facing = north(WHITE_GLAZED_TERRACOTTA)facing = north(WHITE_WALL_BED)facing = north(WHITE_GLAZED_TERRACOTTA)facing = north(WHITE_WALL_BED)facing = north(WHITE_GLAZED_TERRACOTTA)facing = north(WHITE_WALL_BED)facing = north(WHITE_$ $north(WITHER_SKELETON_WALL_SKULL) facing = north(YELLOW_BED) facing = nor$

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north(YELLOW_GLAZED_TERRACOTTA) facing = north(YELLOW_WALL_BANNER) facing =
north(ZOMBIE_{W}ALL_{H}EAD)facing = south(OBSERVER)facing = up(AMETHYST_{C}LUSTER)facing
  up(BLACK_SHULKER_BOX)facing = up(BLUE_SHULKER_BOX)facing = up(BROWN_SHULKER_BOX)facing = up(BR
  up(CYAN_SHULKER_BOX)facing = up(END_ROD)facing = up(GRAY_SHULKER_BOX)facing = up(SRAY_SHULKER_BOX)facing = up(SRAY_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BOX_SHULKER_BO
  up(GREEN_SHULKER_BOX)facing = up(LARGE_AMETHYST_BUD)facing = up(LIGHTNING_BOD)facing = up(LIGH
  up(LIGHT_BLUE_SHULKER_BOX)facing = up(LIGHT_GRAY_SHULKER_BOX)facing = up(LIGHT_GRAY_
  up(LIME_SHULKER_BOX)facing = up(MAGENTA_SHULKER_BOX)facing = up(MEDIUM_AMETHY)facing = up(MEDI
  up(ORANGE_SHULKER_BOX)facing = up(PINK_SHULKER_BOX)facing = up(PURPLE_SHULKER_BOX)facing = 
  up(RED_SHULKER_BOX)facing = up(SHULKER_BOX)facing = up(SMALL_AMETHYST_BUD)facing
  up(WHITE_SHULKER_BOX)facing = up(YELLOW_SHULKER_BOX)half = bottom(ACACIA_STAIRS)
  bottom(ACACIA_TRAPDOOR)half = bottom(ANDESITE_STAIRS)half = bottom(BIRCH_STAIRS)half
  bottom(BIRCH_TRAPDOOR)half = bottom(BLACKSTONE_STAIRS)half = bottom(BRICK_STAIRS)half = bottom(BRICK
  bottom(COBBLED_DEEPSLATE_STAIRS)half = bottom(COBBLESTONE_STAIRS)half = bottom(COBBLESTONE_STAIRS
  bottom(CRIMSON_STAIRS)half = bottom(CRIMSON_TRAPDOOR)half = bottom(CUT_COPPER_STAIRS)half = bottom(CRIMSON_STAIRS)half = bottom(CR
  bottom(DARK_OAK_STAIRS)half = bottom(DARK_OAK_TRAPDOOR)half = bottom(DARK_PRISMARIAN)half = bottom(DARK_OAK_TRAPDOOR)half = 
    bottom(DIORITE_STAIRS)half = bottom(END_STONE_BRICK_STAIRS)half = bottom(EXPOSED_CUT)
  bottom(GRANITE_STAIRS)half = bottom(IRON_TRAPDOOR)half = bottom(JUNGLE_STAIRS)half = bottom(IRON_TRAPDOOR)half =
  bottom(JUNGLE_TRAPDOOR)half = bottom(MANGROVE_STAIRS)half = bottom(MANGROVE_TRAPDOOR)half = bottom(MANGROVE_STAIRS)half = bo
  bottom(MOSSY_COBBLESTONE_STAIRS)half = bottom(MOSSY_STONE_BRICK_STAIRS)half = bottom(MOSSY_STO
  bottom(MUD_BRICK_STAIRS)half = bottom(NETHER_BRICK_STAIRS)half = bottom(OAK_STAIRS)half = bott
  bottom(POLISHED_ANDESITE_STAIRS)half = bottom(POLISHED_BLACKSTONE_BRICK_STAIRS)
  bottom(POLISHED_BLACKSTONE_STAIRS)half = bottom(POLISHED_DEEPSLATE_STAIRS)half = bot
bottom(POLISHED_DIORITE_STAIRS)half = bottom(POLISHED_GRANITE_STAIRS)half = bottom(POLISHED_GRANITE_STAIRS
  bottom(PRISMARINE_BRICK_STAIRS) half = bottom(PRISMARINE_STAIRS) half = bottom(PRISMARINE_STAIRS)
  bottom(PURPUR_STAIRS)half = bottom(QUARTZ_STAIRS)half = bottom(RED_NETHER_BRICK_STAIRS)half = bottom(PURPUR_STAIRS)half = bottom(PUR_STAIRS)
  bottom(RED_SANDSTONE_STAIRS)half = bottom(SANDSTONE_STAIRS)half = bottom(SMOOTH_OUT)
  bottom(SMOOTH_RED_SANDSTONE_STAIRS)half = bottom(SMOOTH_SANDSTONE_STAIRS)half = bottom(SMOOTH_SANDSTONE_ST
    bottom(SPRUCE_STAIRS)half = bottom(SPRUCE_TRAPDOOR)half = bottom(STONE_BRICK_STAIRS)half = bottom(SPRUCE_TRAPDOOR)half = bot
  bottom(STONE_STAIRS) half = bottom(WARPED_STAIRS) half = bottom(WARPED_TRAPDOOR) half = bot
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bottom(WAXED_OXIDIZED_CUT_COPPER_STAIRS)half = bottom(WAXED_WEATHERED_CUT_COPPER_STAIRS)half = bottom(WAXED_WEATHERED_CUT_CO
     bottom(WEATHERED_CUT_COPPER_STAIRS)half = lower(ACACIA_DOOR)half = lo
  lower(BIRCH_DOOR)half = lower(CRIMSON_DOOR)half = lower(DARK_OAK_DOOR)half = lower(DARK_OAK_DOOR)hal
  lower(IRON_DOOR)half = lower(JUNGLE_DOOR)half = lower(LARGE_FERN)half = lowe
  lower(LILAC)half = lower(MANGROVE_DOOR)half = lower(OAK_DOOR)half = lower(DAK_DOOR)half = lower(DAK_DOOR)hal
  lower(PEONY)half = lower(ROSE_BUSH)half = lower(SMALL_DRIPLEAF)half = lower(PEONY)half = lower(ROSE_BUSH)half = lower(SMALL_DRIPLEAF)half = lower(ROSE_BUSH)half = lower(ROSE_BUSH)ha
  lower(SPRUCE_DOOR)half = lower(SUNFLOWER)half = lower(TALL_GRASS)half = lower(SPRUCE_DOOR)half = lower(SUNFLOWER)half = lower(SPRUCE_DOOR)half =
  lower(TALL_SEAGRASS)half = lower(WARPED_DOOR)hanging = false(LANTERN)hanging = false(LANTERN)hanging
     false(MANGROVE_{P}ROPAGULE)hanging = false(SOUL_{L}ANTERN)has_{b}ook = false(LECTERN)has_{b}ook = fa
  0(TURTLE_EGG)hinge = left(ACACIA_DOOR)hinge = left(BIRCH_DOOR)hinge = left(B
left(CRIMSON_DOOR)hinge = left(DARK_OAK_DOOR)hinge = left(IRON_DOOR)hinge = left(IRON_DOO
left(JUNGLE_DOOR)hinge = left(MANGROVE_DOOR)hinge = left(OAK_DOOR)hinge = left(OAK_DOO
left(SPRUCE_DOOR)hinge = left(WARPED_DOOR)honey_level = 0(BEEHIVE)honey_level = 0(BEEHIVE)honey_leve
0(BEE_NEST)in_wall = false(ACACIA_FENCE_GATE)in_wall = false(BIRCH_FENCE_GATE)in_wall = false(BIR
     false(CRIMSON_FENCE_GATE)in_wall = false(DARK_OAK_FENCE_GATE)in_wall = false(DARK_OAK_FENCE_GATE)in_
     false(JUNGLE_FENCE_GATE)in_wall = false(MANGROVE_FENCE_GATE)in_wall = false(MANGROVE_FENCE_GATE)in_w
     false(OAK_FENCE_GATE)in_wall = false(SPRUCE_FENCE_GATE)in_wall = false(WARPED_FENCE_GATE)in_wall = false(SPRUCE_FENCE_GATE)in_wall = false(SPRUCE_GATE)in_wall = false(SPR
     false(DAYLIGHT_DETECTOR)layers = 1(SNOW)leaves = none(BAMBOO)level = 1(SNOW)leaves = 1(SNOW)
  0(COMPOSTER)level = 0(LAVA)level = 0(WATER)level = 1(POWDER_SNOW_CAULDRON)level = 1(POWDER_
  1(WATER_{C}AULDRON)lit = false(BLACK_{C}ANDLE)lit = false(BLACK_{C}ANDLE_{C}AKE)lit = false(BLACK_{C}ANDLE
     false(BLAST_FURNACE)lit = false(BLUE_CANDLE)lit = false(BLUE_CANDLE_CAKE)lit = false(BLOE_CANDLE)lit = false(BLOE_CANDLE)lit
     false(BROWN_CANDLE)lit = false(BROWN_CANDLE_CAKE)lit = false(CANDLE)lit = false(BROWN_CANDLE)lit = false(BROWN_CANDLE)l
     false(CANDLE_CAKE)lit = false(CYAN_CANDLE)lit = false(CYAN_CANDLE_CAKE)lit = false(CYAN_CANDLE_CANDLE_CAKE)lit = false(CYAN_CANDLE
  false(DEEPSLATE_REDSTONE_ORE)lit = false(FURNACE)lit = false(GRAY_CANDLE)lit = false(GRAY_CANDLE)lit
     false(GRAY_CANDLE_CAKE)lit = false(GREEN_CANDLE)lit = false(GREEN_CANDLE_CAKE)lit = false(GREEN_CANDLE_CAKE)lit = false(GREEN_CANDLE)lit = false
     false(LIGHT_BLUE_CANDLE)lit = false(LIGHT_BLUE_CANDLE_CAKE)lit = false(LIGHT_GRAY_CANDLE)lit =
     false(LIGHT_GRAY_CANDLE_CAKE)lit = false(LIME_CANDLE)lit = false(LIME_CANDLE_CAKE)lit
     false(MAGENTA_CANDLE)lit = false(MAGENTA_CANDLE_CAKE)lit = false(ORANGE_CANDLE)lit = false(ORA
     false(ORANGE_CANDLE_CAKE)lit = false(PINK_CANDLE)lit = false(PINK_CANDLE_CAKE)lit = false(PINK_CANDLE_CAKE)lit = false(PINK_CANDLE)lit = false(PINK_
     false(PURPLE_{C}ANDLE)lit = false(PURPLE_{C}ANDLE_{C}AKE)lit = false(REDSTONE_{L}AMP)lit = false(PURPLE_{C}ANDLE)lit = false(PURPLE_{C}ANDLE
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false(REDSTONE_{O}RE)lit = false(RED_{C}ANDLE)lit = false(RED_{C}ANDLE_{C}AKE)lit = false(RE
    false(SMOKER)lit = false(WHITE_CANDLE)lit = false(WHITE_CANDLE_CAKE)lit = false(WHITE_CANDLE_CAKE)lit = false(WHITE_CANDLE)lit = false(WHITE_CAN
    false(YELLOW_CANDLE)lit = false(YELLOW_CANDLE_CAKE)lit = true(CAMPFIRE)lit = true(CA
    true(REDSTONE_{T}ORCH)lit = true(REDSTONE_{W}ALL_{T}ORCH)lit = true(SOUL_{C}AMPFIRE)locked
    false(REPEATER)mode = compare(COMPARATOR)mode = load(STRUCTURE_BLOCK)moisture = load(STRUCTU
  0(FARMLAND)north = false(ACACIA_FENCE)north = false(BIRCH_FENCE)north = false(BIRCH_FENCE)nort
    false(BLACK_STAINED_GLASS_PANE) north = false(BLUE_STAINED_GLASS_PANE) north = false(BLACK_STAINED_GLASS_PANE) north = false
    false(BROWN_STAINED_GLASS_PANE)north = false(CHORUS_PLANT)north = false(CRIMSON_FE)
    false(CYAN_STAINED_GLASS_PANE)north = false(DARK_OAK_FENCE)north = false(FIRE)north = f
    false(GLASS_PANE)north = false(GLOW_LICHEN)north = false(GRAY_STAINED_GLASS_PANE)north
    false(GREEN_{S}TAINED_{G}LASS_{P}ANE) north = false(IRON_{B}ARS) north = false(JUNGLE_{F}ENCE) north = false(JUNGLE_{F}ENCE)
    false(LIGHT_BLUE_STAINED_GLASS_PANE)north = false(LIGHT_GRAY_STAINED_GLASS_PANE)north
    false(LIME_{S}TAINED_{G}LASS_{P}ANE)north = false(MAGENTA_{S}TAINED_{G}LASS_{P}ANE)north = false(MAGENTA_{S}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_
    false(MANGROVE_FENCE)north = false(NETHER_BRICK_FENCE)north = false(OAK_FENCE)north
    false(ORANGE_STAINED_GLASS_PANE)north = false(PINK_STAINED_GLASS_PANE)north =
    false(PURPLE_{S}TAINED_{G}LASS_{P}ANE)north = false(RED_{S}TAINED_{G}LASS_{P}ANE)north = false(RED_{S}TAINED_
    false(SCULK_VEIN)north = false(SPRUCE_FENCE)north = false(TRIPWIRE)north = false(TRIPWIRE
    false(VINE)north = false(WARPED_FENCE)north = false(WHITE_STAINED_GLASS_PANE)north = false(VINE)north = false(WARPED_FENCE)north = false(WHITE_STAINED_GLASS_PANE)north = fa
    false(YELLOW_STAINED_GLASS_PANE)north = none(ANDESITE_WALL)north = none(A
  none(BLACKSTONE_WALL)north = none(BRICK_WALL)north = none(COBBLED_DEEPSLATE_WALL)north = none(BLACKSTONE_WALL)north = none(BRICK_WALL)north = none(B
none(COBBLESTONE_WALL)north = none(DEEPSLATE_BRICK_WALL)north = none(DEEPSLATE_BRICK_WALL)none(DEEPSLATE_B
  none(DIORITE_{W}ALL)north = none(END_{S}TONE_{B}RICK_{W}ALL)north = none(GRANITE_{W}ALL)north
  none(MOSSY_COBBLESTONE_WALL)north = none(MOSSY_STONE_BRICK_WALL)north = none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)none(MOSSY_STONE_BRICK_WALL)
  none(MUD_BRICK_WALL)north = none(NETHER_BRICK_WALL)north = none(POLISHED_BLACKSTROUTH)
none(POLISHED_{B}LACKSTONE_{W}ALL)north = none(POLISHED_{D}EEPSLATE_{W}ALL)north = none(POLISHED_{D}EEPSLATE_{W}ALL)n
none(PRISMARINE_{W}ALL)north = none(REDSTONE_{W}IRE)north = none(RED_{N}ETHER_{B}RICK_{W}ALL)north = none(REDSTONE_{W}IRE)north = 
  none(RED_SANDSTONE_WALL)north = none(SANDSTONE_WALL)north = none(STONE_BRICK_WALL)north = none(STONE_WALL)north = none(STONE
  true(BROWN_{M}USHROOM_{B}LOCK)north = true(MUSHROOM_{S}TEM)north = true(RED_{M}USHROOM_{S}TEM)north = true(RED_{M}USHRO
  0(NOTE_BLOCK)open = false(ACACIA_DOOR)open = false(ACACIA_FENCE_GATE)open = false(ACACIA_FENCE_GATE)open = false(ACACIA_DOOR)open = false(ACACIA_FENCE_GATE)open = false(ACACIA_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE_FENCE
    false(ACACIA_TRAPDOOR)open = false(BARREL)open = false(BIRCH_DOOR)open = fal
    false(BIRCH_FENCE_GATE)open = false(BIRCH_TRAPDOOR)open = false(CRIMSON_DOOR)open = false(CRIM
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false(CRIMSON_FENCE_GATE)open = false(CRIMSON_TRAPDOOR)open = false(DARK_OAK_DOOR)open = false(DARK_
 false(DARK_OAK_FENCE_GATE)open = false(DARK_OAK_TRAPDOOR)open = false(IRON_DOOR)open
 false(IRON_TRAPDOOR)open = false(JUNGLE_DOOR)open = false(JUNGLE_FENCE_GATE)open = false(JUNGLE_DOOR)open = false(JUNGL
 false(MANGROVE_TRAPDOOR)open = false(OAK_DOOR)open = false(OAK_FENCE_GATE)open = false(OAK_DOOR)open = false
 false(OAK_TRAPDOOR)open = false(SPRUCE_DOOR)open = false(SPRUCE_FENCE_GATE)open = false(SPRUCE_FENCE_GATE)open = false(SPRUCE_DOOR)open = false(
 false(SPRUCE_TRAPDOOR)open = false(WARPED_DOOR)open = false(WARPED_FENCE_GATE)open
 false(WARPED_TRAPDOOR) orientation = north_up(JIGSAW) part = foot(BLACK_BED) part =
 foot(BLUE_BED)part = foot(BROWN_BED)part = foot(CYAN_BED)part = foot(GRAY_BED)part = foot(G
 foot(GREEN_BED)part = foot(LIGHT_BLUE_BED)part = foot(LIGHT_GRAY_BED)part = foot(LIGHT_GRAY_BED)part
 foot(LIME_BED)part = foot(MAGENTA_BED)part = foot(ORANGE_BED)part =
 foot(PINK_BED)part = foot(PURPLE_BED)part = foot(RED_BED)part = foot(WHITE_BED)part = foot(PINK_BED)part = foot(
 foot(YELLOW_BED)pickles = 1(SEA_PICKLE)powered = false(ACACIA_BUTTON)powered = false(ACACIA_BU
 false(ACACIA_DOOR)powered = false(ACACIA_FENCE_GATE)powered = false(ACACIA_PRESSURE)
 false(ACACIA_TRAPDOOR)powered = false(ACTIVATOR_RAIL)powered = false(BELL)powered = false(B
 false(BIRCH_BUTTON)powered = false(BIRCH_DOOR)powered = false(BIRCH_FENCE_GATE)powered
 false(BIRCH_PRESSURE_PLATE)powered = false(BIRCH_TRAPDOOR)powered = false(BIRCH_TRAPDOOR)po
 false(COMPARATOR)powered = false(CRIMSON_BUTTON)powered = false(CRIMSON_DOOR)powered
 false(CRIMSON_FENCE_GATE)powered = false(CRIMSON_PRESSURE_PLATE)powered = false(CRIMSON_PRESSU
 false(CRIMSON_TRAPDOOR)powered = false(DARK_OAK_BUTTON)powered = false(DARK_OAK_DOOR)
 false(DARK_OAK_FENCE_GATE)powered = false(DARK_OAK_PRESSURE_PLATE)powered = false(DA
 false(DARK_OAK_TRAPDOOR)powered = false(DETECTOR_RAIL)powered = false(IRON_DOOR)powered
 false(IRON_TRAPDOOR)powered = false(JUNGLE_BUTTON)powered = false(JUNGLE_DOOR)powered
 false(JUNGLE_FENCE_GATE)powered = false(JUNGLE_PRESSURE_PLATE)powered = false(JUNGLE_PRESSURE_PRESSURE_PLATE)powered = false(JUNGLE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSUR
 false(JUNGLE_TRAPDOOR)powered = false(LECTERN)powered = false(LEVER)powered = false(LE
 false(LIGHTNING_ROD)powered = false(MANGROVE_BUTTON)powered = false(MANGROVE_DOO)
false(MANGROVE_FENCE_GATE) powered = false(MANGROVE_PRESSURE_PLATE) powered = false(MANGROVE_PRESSURE_PRESSURE_PLATE) powered = false(MANGROVE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSUR
 false(MANGROVE_TRAPDOOR)powered = false(NOTE_BLOCK)powered = false(OAK_BUTTON)powered
 false(OAK_DOOR)powered = false(OAK_FENCE_GATE)powered = false(OAK_PRESSURE_PLATE)powered
 false(OAK_TRAPDOOR) powered = false(OBSERVER) powered = false(POLISHED_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_BLACKSTONE_
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 $false(POLISHED_BLACKSTONE_PRESSURE_PLATE)powered = false(POWERED_RAIL)powered = false(POWERED_RAIL)po$

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false(REPEATER)powered = false(SPRUCE_BUTTON)powered = false(SPRUCE_DOOR)powered = false(SPRUCE_DOOR)powered = false(SPRUCE_BUTTON)powered = false(SPRUCE_DOOR)powered = false(SPRUCE_BUTTON)powered = false(SPRUCE_DOOR)powered = false(SPRUCE_DOOR)powered
 false(SPRUCE_FENCE_GATE)powered = false(SPRUCE_PRESSURE_PLATE)powered = false(SPRUCE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PRESSURE_PR
 false(SPRUCE_TRAPDOOR)powered = false(STONE_BUTTON)powered = false(STONE_PRESSURE)
 false(TRIPWIRE)powered = false(TRIPWIRE_HOOK)powered = false(WARPED_BUTTON)powered
 false(WARPED_DOOR)powered = false(WARPED_FENCE_GATE)powered = false(WARPED_PRESSURE)
 false(WARPED_TRAPDOOR)rotation = 0 (ACACIA_SIGN)rotation = 0 (BIRCH_SIGN)rotation = 0 (BIRCH_S
0(BLACK_BANNER)rotation = 0(BLUE_BANNER)rotation = 0(BROWN_BANNER)rotation = 0
0(CREEPER_HEAD)rotation = 0(CRIMSON_SIGN)rotation = 0(CYAN_BANNER)rotation = 0
0(DARK_OAK_SIGN)rotation = 0(DRAGON_HEAD)rotation = 0(GRAY_BANNER)rotation =
0(GREEN_BANNER)rotation = 0(JUNGLE_SIGN)rotation = 0(LIGHT_BLUE_BANNER)rotation =
0(LIGHT_GRAY_BANNER)rotation = 0(LIME_BANNER)rotation = 0(MAGENTA_BANNER)rotation = 
0(MANGROVE_SIGN)rotation = 0(OAK_SIGN)rotation = 0(ORANGE_BANNER)rotation =
0(PINK_BANNER)rotation = 0(PLAYER_HEAD)rotation = 0(PURPLE_BANNER)rotation =
0(RED_BANNER)rotation = 0(SKELETON_SKULL)rotation = 0(SPRUCE_SIGN)rotation =
0(WARPED_SIGN)rotation = 0(WHITE_BANNER)rotation = 0(WITHER_SKELETON_SKULL)rotation
0(YELLOW_BANNER)rotation = 0(ZOMBIE_HEAD)sculk_sensor_phase = inactive(SCULK_SENSOR)sho
north_south(ACTIVATOR_RAIL)shape = north_south(DETECTOR_RAIL)shape = north_south(POWEREI)shape = north_south(POW
north_s outh (RAIL) shape = straight (ACACIA_STAIRS) shape = straight (ANDESITE_STAIRS) shape = straight (ANDESITE_STAI
 straight(BIRCH_STAIRS)shape = straight(BLACKSTONE_STAIRS)shape = straight(BRICK_STAIRS)shape =
 straight(COBBLED_DEEPSLATE_STAIRS) shape = straight(COBBLESTONE_STAIRS) shape = str
 straight(CRIMSON_STAIRS)shape = straight(CUT_COPPER_STAIRS)shape = straight(DARK_OAK_STAIRS)shape = straight(DARK_STAIRS)shape = straight(DARK_STAIRS)shape = straight(DARK_STAIRS)shape = straight(DARK_STAIRS)shape = straight(DARK
 straight(DARK_PRISMARINE_STAIRS)shape = straight(DEEPSLATE_BRICK_STAIRS)shape =
 straight(DEEPSLATE_{T}ILE_{S}TAIRS)shape = straight(DIORITE_{S}TAIRS)shape =
 straight(END_STONE_BRICK_STAIRS)shape = straight(EXPOSED_CUT_COPPER_STAIRS)shape = straight(EXPOSED_CUT_COPPE
straight(GRANITE_{S}TAIRS)shape = straight(JUNGLE_{S}TAIRS)shape = straight(MANGROVE_{S}TAIRS)shape = straight(MANGROVE
 straight(MOSSY_COBBLESTONE_STAIRS) shape = straight(MOSSY_STONE_BRICK_STAIRS) shape = straight(MOSSY_STONE_BR
straight(MUD_BRICK_STAIRS)shape = straight(NETHER_BRICK_STAIRS)shape = straight(NET
 straight(OAK_STAIRS)shape = straight(OXIDIZED_CUT_COPPER_STAIRS)shape = straight(OXIDIZED_CUT_CUT_COPPER_STAIRS)shape = straight(OXIDIZED_CUT_CUT_CUT_CU
 straight(POLISHED_{A}NDESITE_{S}TAIRS)shape = straight(POLISHED_{B}LACKSTONE_{B}RICK_{S}TAIRS)shape = straight(POLISHED_{B}RICK_{S}TAIRS)shape = straight(
 straight(POLISHED_BLACKSTONE_STAIRS)shape = straight(POLISHED_DEEPSLATE_STAIRS)shape = straight(POLISHED_DEEP
 straight(POLISHED_DIORITE_STAIRS)shape = straight(POLISHED_GRANITE_STAIRS)shape = straight(POLISHED_GRANITE_STAIRS)sh
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straight(PRISMARINE_BRICK_STAIRS)shape = straight(PRISMARINE_STAIRS)shape =
    straight(PURPUR_{S}TAIRS)shape = straight(QUARTZ_{S}TAIRS)shape = straight(RED_{N}ETHER_{B}RICATE)
    straight(RED_SANDSTONE_STAIRS)shape = straight(SANDSTONE_STAIRS)shape = 
    straight(SMOOTH_OUARTZ_STAIRS)shape = straight(SMOOTH_RED_SANDSTONE_STAIRS)shape = straight(SMOOTH_SANDSTONE_STAIRS)shape = straight(SMOOTH_SANDSTONE_STAIRS)shape = straight(SMOOTH_SANDSTONE_STAIRS)shape = straight(SMOOTH_SANDSTONE_STAIRS)shape = straight(SMOOTH_SANDSTONE_STAIRS)shape = s
    straight(SMOOTH_SANDSTONE_STAIRS) shape = straight(SPRUCE_STAIRS) shape =
    straight(STONE_BRICK_STAIRS)shape = straight(STONE_STAIRS)shape = straight(WARPED_STAIRS)shape = straight(STONE_STAIRS)shape = straight(STONE_STAIRS)shape
    straight(WAXED_{C}UT_{C}OPPER_{S}TAIRS)shape = straight(WAXED_{E}XPOSED_{C}UT_{C}OPPER_{S}TAIRS)shape = straight(WAXED_{E}XPOSED_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{
    straight(WAXED_OXIDIZED_CUT_COPPER_STAIRS)shape = straight(WAXED_WEATHERED_CUT_COPPER_STAIRS)shape = strai
    straight(WEATHERED_{C}UT_{C}OPPER_{S}TAIRS)signal_{f}ire = false(CAMPFIRE)signal_{f}ire = f
    false(SOUL_{C}AMPFIRE)snowy = false(GRASS_{B}LOCK)snowy = false(MYCELIUM)snowy = false(MY
    false(PODZOL)south = false(ACACIA_FENCE)south = false(BIRCH_FENCE)south = false(BIRCH_FENCE)so
    false(BLACK_STAINED_GLASS_PANE)south = false(BLUE_STAINED_GLASS_PANE)south = false(BLACK_STAINED_GLASS_PANE)south = false(BLACK_STAIN
    false(BROWN_STAINED_GLASS_PANE) south = false(CHORUS_PLANT) south = false(CRIMSON_FEREALT) 
    false(CYAN_STAINED_GLASS_PANE) south = false(DARK_OAK_FENCE) south = false(FIRE) sou
    false(GLASS_PANE)south = false(GLOW_LICHEN)south = false(GRAY_STAINED_GLASS_PANE)south
    false(GREEN_STAINED_GLASS_PANE) south = false(IRON_BARS) south = false(JUNGLE_FENCE) south = 
    false(LIGHT_BLUE_STAINED_GLASS_PANE) south = false(LIGHT_GRAY_STAINED_GLASS_PANE) south
    false(LIME_{S}TAINED_{G}LASS_{P}ANE)south = false(MAGENTA_{S}TAINED_{G}LASS_{P}ANE)south = false(MAGENTA_{S}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_{G}TAINED_
    false(MANGROVE_FENCE)south = false(NETHER_BRICK_FENCE)south = false(OAK_FENCE)south
    false(ORANGE_{S}TAINED_{G}LASS_{P}ANE)south = false(PINK_{S}TAINED_{G}LASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}LASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}CASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}CASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}CASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}CASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}CASS_{P}ANE)south = false(ORANGE_{S}TAINED_{G}CASS_{P}ANE)south = false(ORANGE_{G}CASS_{
    false(PURPLE_{S}TAINED_{G}LASS_{P}ANE)south = false(RED_{S}TAINED_{G}LASS_{P}ANE)south = false(RED_{S}TAINED_
    false(SCULK_VEIN)south = false(SPRUCE_FENCE)south = false(TRIPWIRE)south = false(TRIPWIRE
    false(VINE)south = false(WARPED_FENCE)south = false(WHITE_STAINED_GLASS_PANE)south = false(VINE)south = false(WARPED_FENCE)south = false(WHITE_STAINED_GLASS_PANE)south = fa
    false(YELLOW_STAINED_GLASS_PANE)south = none(ANDESITE_WALL)south =
none(BLACKSTONE_WALL)south = none(BRICK_WALL)south = none(COBBLED_DEEPSLATE_WALL)south = none(BLACKSTONE_WALL)south = none(BRICK_WALL)south = none(B
none(COBBLESTONE_WALL)south = none(DEEPSLATE_BRICK_WALL)south = none(DEE
  none(DIORITE_{W}ALL)south = none(END_{S}TONE_{B}RICK_{W}ALL)south = none(GRANITE_{W}ALL)south
none(MOSSY_{C}OBBLESTONE_{W}ALL)south = none(MOSSY_{S}TONE_{B}RICK_{W}ALL)south = none(MOSSY_{S}TONE_{B}RICK_{W}
  none(MUD_BRICK_WALL)south = none(NETHER_BRICK_WALL)south = none(POLISHED_BLACKST)
    none(POLISHED_BLACKSTONE_WALL)south = none(POLISHED_DEEPSLATE_WALL)south = none(POL
  none(PRISMARINE_{W}ALL)south = none(REDSTONE_{W}IRE)south = none(RED_{N}ETHER_{B}RICK_{W}ALL)south = none(REDSTONE_{W}IRE)south =
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none(RED_SANDSTONE_WALL)south = none(SANDSTONE_WALL)south = none(STONE_BRICK_WALL)south = none(STONE_WALL)south = none(STONE
true(BROWN_{M}USHROOM_{B}LOCK)south = true(MUSHROOM_{S}TEM)south = true(RED_{M}USHROOM_{S}TEM)south = true(RED_{M}USHRO
  tip(POINTED_DRIPSTONE)type = bottom(ACACIA_SLAB)type = bottom(ANDESITE_SLAB)type = b
bottom(BIRCH_SLAB)type = bottom(BLACKSTONE_SLAB)type = bottom(BRICK_SLAB)type = bottom(BRICK_S
bottom(COBBLED_DEEPSLATE_SLAB)type = bottom(COBBLESTONE_SLAB)type = bottom(COBBLESTONE_SLAB
  bottom(CRIMSON_SLAB)type = bottom(CUT_COPPER_SLAB)type = bottom(CUT_RED_SANDSTONE_SLAB)type = bottom(CUT_RED_SANDSTONE_S
  bottom(CUT_SANDSTONE_SLAB)type = bottom(DARK_OAK_SLAB)type = bottom(DARK_PRISMARINED)
  bottom(DEEPSLATE_BRICK_SLAB)type = bottom(DEEPSLATE_TILE_SLAB)type =
  bottom(DIORITE_SLAB)type = bottom(END_STONE_BRICK_SLAB)type = bottom(EXPOSED_CUT_COPIDED)type = bottom(EXP
  bottom(GRANITE_SLAB)type = bottom(JUNGLE_SLAB)type = bottom(MANGROVE_SLAB)type =
bottom(MOSSY_COBBLESTONE_SLAB)type = bottom(MOSSY_STONE_BRICK_SLAB)type = bottom(MO
bottom(MUD_BRICK_SLAB)type = bottom(NETHER_BRICK_SLAB)type = bottom(OAK_SLAB)type = botto
bottom(OXIDIZED_CUT_COPPER_SLAB)type = bottom(PETRIFIED_OAK_SLAB)type = bottom(PETRIFIED_OAK_SLAB
bottom(POLISHED_ANDESITE_SLAB)type = bottom(POLISHED_BLACKSTONE_BRICK_SLAB)type = bottom(POLISHED_BLACK_SLAB)type = bottom(P
bottom(POLISHED_BLACKSTONE_SLAB)type = bottom(POLISHED_DEEPSLATE_SLAB)type = bottom(POLISHED_DEEPSLAB)type = bottom(POLISHED
  bottom(POLISHED_DIORITE_SLAB)type = bottom(POLISHED_GRANITE_SLAB)type = bottom(POLISHED_GRANITE_SLAB
  bottom(PRISMARINE_BRICK_SLAB)type = bottom(PRISMARINE_SLAB)type = bottom(PURPUR_SLAB)type = bottom(PURPUR_SLAB)type = bottom(PURPUR_SLAB)type = bottom(PRISMARINE_SLAB)type = bottom(PRI
  bottom(QUARTZ_SLAB)type = bottom(RED_NETHER_BRICK_SLAB)type = bottom(RED_SANDSTONE_SLAB)type = bo
bottom(SANDSTONE_SLAB)type = bottom(SMOOTH_OUARTZ_SLAB)type = bottom(SMOOTH_RED_SAB)type = bottom(SMOOTH_OUARTZ_SLAB)type = bottom
  bottom(SMOOTH_SANDSTONE_SLAB)type = bottom(SMOOTH_STONE_SLAB)type =
bottom(SPRUCE_SLAB)type = bottom(STONE_BRICK_SLAB)type = bottom(STONE_SLAB)type = bottom(STONE
  bottom(WARPED_SLAB)type = bottom(WAXED_CUT_COPPER_SLAB)type = bottom(WAXED_EXPOSE)
bottom(WAXED_{O}XIDIZED_{C}UT_{C}OPPER_{S}LAB)type = bottom(WAXED_{W}EATHERED_{C}UT_{C}OPPER_{S}LAB)type = bottom(WAXED_{G}EATHERED_{C}UT_{C}OPPER_{S}LAB)type = bottom(WAXED_{G}EATHERED_{C}UT_{C}OPPER_{S}LAB)
bottom(WEATHERED_CUT_COPPER_SLAB)type = normal(MOVING_PISTON)type =
normal(PISTON_HEAD)type = single(CHEST)type = single(TRAPPED_CHEST)up = single(TRAPPED_CHEST)u
  false(CHORUS_PLANT)up = false(FIRE)up = false(GLOW_LICHEN)up = false(SCULK_VEIN)up = f
  false(VINE)up = true(ANDESITE_{W}ALL)up = true(BLACKSTONE_{W}ALL)up = true(BLACKSTON
true(BRICK_WALL)up = true(BROWN_MUSHROOM_BLOCK)up = true(COBBLED_DEEPSLATE_WARDS)up = true(BRICK_WALL)up = true(BROWN_MUSHROOM_BLOCK)up = true(COBBLED_DEEPSLATE_WARDS)up = true(BROWN_MUSHROOM_BLOCK)up = true(COBBLED_DEEPSLATE_WARDS)up = true(BROWN_MUSHROOM_BLOCK)up = true(COBBLED_DEEPSLATE_WARDS)up = true(BROWN_MUSHROOM_BLOCK)up = true(B
true(COBBLESTONE_{W}ALL)up = true(DEEPSLATE_{B}RICK_{W}ALL)up = true(DEEPSLATE_{T}ILE_{W}ALL)up = true(DEE
true(DIORITE_WALL)up = true(END_STONE_BRICK_WALL)up = true(GRANITE_WALL)up = true(GRANITE
  true(MOSSY_COBBLESTONE_WALL)up = true(MOSSY_STONE_BRICK_WALL)up = true(MOSSY_STONE_BRICK_WALL)up
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true(MUD_BRICK_WALL)up = true(MUSHROOM_STEM)up = true(NETHER_BRICK_WALL)up = true(MUD_BRICK_WALL)up = true(MUSHROOM_STEM)up 
true(POLISHED_BLACKSTONE_BRICK_WALL)up = true(POLISHED_BLACKSTONE_WALL)up = true(POLISHED_WALL)up = true(POLISHED_BLACKSTONE_WALL)up = true(POLISHED_BLACKSTONE_WALL)up = true(POLISHED_BLACKSTONE_WALL)up = true(POLISHED_BLACKSTONE_WALL)up = true(POLISHED_WALL)up = true(POLISH
  true(POLISHED_DEEPSLATE_WALL)up = true(PRISMARINE_WALL)up = true(RED_MUSHROOM_PARINE_WALL)up = true(RED_MUSHROOM_PARINE
  true(RED_NETHER_BRICK_WALL)up = true(RED_SANDSTONE_WALL)up = true(SANDSTONE_WALL)up = true(SAN
  true(STONE_BRICK_WALL)vertical_direction = up(POINTED_DRIPSTONE)waterlogged =
  false(ACACIA_FENCE)waterlogged = false(ACACIA_LEAVES)waterlogged = false(ACACIA_SIGN)waterlogged = false(ACACIA_SIGN)waterlo
  false(ACACIA_SLAB)waterlogged = false(ACACIA_STAIRS)waterlogged = false(ACACIA_TRAPDOO.
  false(ACACIA_WALL_SIGN)waterlogged = false(ACTIVATOR_RAIL)waterlogged = false(ACTIVA
  false(AMETHYST_{C}LUSTER)waterlogged = false(ANDESITE_{S}LAB)waterlogged = false(ANDESITE_{S}LAB)wat
  false(ANDESITE_{S}TAIRS)waterlogged = false(ANDESITE_{W}ALL)waterlogged = false(AZALEA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{L}EA_{
  false(BIG_DRIPLEAF)waterlogged = false(BIG_DRIPLEAF_STEM)waterlogged = false(BIRCH_FENCO)
  false(BIRCH_LEAVES)waterlogged = false(BIRCH_SIGN)waterlogged = false(BIRCH_SLAB)waterlogged
  false(BIRCH_{S}TAIRS)waterlogged = false(BIRCH_{T}RAPDOOR)waterlogged = false(BIRCH_{W}ALL_{S}IRCH_{S}ALL_{S}IRCH_{S}ALL_{S}ALL_{S}IRCH_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}ALL_{S}A
  false(BLACKSTONE_SLAB)waterlogged = false(BLACKSTONE_STAIRS)waterlogged = false(BLACKSTONE_STAIRS)waterlog
  false(BLACKSTONE_WALL)waterlogged = false(BLACK_CANDLE)waterlogged =
  false(BLACK_STAINED_GLASS_PANE)waterlogged = false(BLUE_CANDLE)waterlogged = false(BLUE_CAND
  false(BLUE_{S}TAINED_{G}LASS_{P}ANE)waterlogged = false(BRICK_{S}LAB)waterlogged = false(BRICK_{S
  false(BRICK_STAIRS)waterlogged = false(BRICK_WALL)waterlogged = false(BROWN_CANDLE)waterlogged = 
  false(BROWN_STAINED_GLASS_PANE)waterlogged = false(CAMPFIRE)waterlogged 
  false(CANDLE)waterlogged = false(CHAIN)waterlogged = false(CHEST)waterlogged = false(CHEST)wat
  false(COBBLED_DEEPSLATE_SLAB)waterlogged = false(COBBLED_DEEPSLATE_STAIRS)waterlogged
  false(COBBLED_DEEPSLATE_WALL)waterlogged = false(COBBLESTONE_SLAB)waterlogged = fal
  false(COBBLESTONE_{S}TAIRS)waterlogged = false(COBBLESTONE_{W}ALL)waterlogged = false(COBBLEST
  false(CRIMSON_FENCE)waterlogged = false(CRIMSON_SIGN)waterlogged = false(CRIMSON_SLARGE)waterlogged = false(CRIMSON_SLA
  false(CRIMSON_STAIRS)waterlogged = false(CRIMSON_TRAPDOOR)waterlogged = false(CRIMS
  false(CRIMSON_WALL_SIGN)waterlogged = false(CUT_COPPER_SLAB)waterlogged = false(CUT_COPPER_SLAB)wate
  false(CUT_{C}OPPER_{S}TAIRS)waterlogged = false(CUT_{R}ED_{S}ANDSTONE_{S}LAB)waterlogged = false(CUT_{R}ED_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDSTONE_{S}ANDS
  false(CUT_SANDSTONE_SLAB)waterlogged = false(CYAN_CANDLE)waterlogged = false(CYAN_CANDLE)wat
  false(CYAN_STAINED_GLASS_PANE)waterlogged = false(DARK_OAK_FENCE)waterlogged = false
  false(DARK_OAK_LEAVES)waterlogged = false(DARK_OAK_SIGN)waterlogged = false(DARK_OAK_SLAS)
  false(DARK_OAK_STAIRS)waterlogged = false(DARK_OAK_TRAPDOOR)waterlogged =
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false(DARK_OAK_WALL_SIGN)waterlogged = false(DARK_PRISMARINE_SLAB)waterlogged = false(DARK_PRISMARINE_SLAB)waterlogge
false(DARK_PRISMARINE_STAIRS)waterlogged = false(DEEPSLATE_BRICK_SLAB)waterlogged = false(DEEPSLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_BRICK_SLABE_B
false(DEEPSLATE_BRICK_STAIRS)waterlogged = false(DEEPSLATE_BRICK_WALL)waterlogged = false(DEEPSLATE_BRICK_WALL)waterl
false(DEEPSLATE_TILE_WALL)waterlogged = false(DETECTOR_RAIL)waterlogged 
false(DIORITE_SLAB)waterlogged = false(DIORITE_STAIRS)waterlogged = false(DIORITE_WALL)waterlogged = false(DIORITE_STAIRS)waterlogged = false(DIORITE_WALL)waterlogged = false(DIORITE_STAIRS)waterlogged = false(DIORITE_WALL)waterlogged = false(DIORITE_WALL)waterl
false(ENDER_CHEST)waterlogged = false(END_STONE_BRICK_SLAB)waterlogged =
false(END_STONE_BRICK_STAIRS)waterlogged = false(END_STONE_BRICK_WALL)waterlogged = false(END_STONE_BRICK_WALL)waterl
false(EXPOSED_{C}UT_{C}OPPER_{S}LAB)waterlogged = false(EXPOSED_{C}UT_{C}OPPER_{S}TAIRS)waterlogged
false(FLOWERING_AZALEA_LEAVES)waterlogged = false(GLASS_PANE)waterlogged = false(GLASS_PANE
false(GLOW_LICHEN)waterlogged = false(GRANITE_SLAB)waterlogged = false(GRANITE_STAIRS)
false(GRANITE_{W}ALL)waterlogged = false(GRAY_{C}ANDLE)waterlogged = false(GRAY_{S}TAINED_{G}LASSE)waterlogged = false(GRAY_{G}ANDLASSE)waterlogged =
false(GREEN_CANDLE)waterlogged = false(GREEN_STAINED_GLASS_PANE)waterlogged = false(GREEN_STAINED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PA
false(HANGING_ROOTS) waterlogged = false(IRON_BARS) waterlogged = false(IRON_TRAPDOOR) waterlogged
false(JUNGLE_FENCE)waterlogged = false(JUNGLE_LEAVES)waterlogged = false(JUNGLE_SIGN)
false(JUNGLE_SLAB)waterlogged = false(JUNGLE_STAIRS)waterlogged = false(JUNGLE_TRAPDOGESTAIRS)waterlogged = fals
false(JUNGLE_WALL_SIGN)waterlogged = false(LADDER)waterlogged = false(LANTERN)waterlogged
false(LARGE_{A}METHYST_{B}UD)waterlogged = false(LIGHTNING_{R}OD)waterlogged = false(LIGHTNING_{R}OD
false(LIGHT_BLUE_CANDLE)waterlogged = false(LIGHT_BLUE_STAINED_GLASS_PANE)waterlogged = false(
false(LIGHT_GRAY_CANDLE)waterlogged = false(LIGHT_GRAY_STAINED_GLASS_PANE)waterlogged = false(
false(LIME_CANDLE)waterlogged = false(LIME_STAINED_GLASS_PANE)waterlogged = false(LIME_STAINED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PAN
false(MAGENTA_CANDLE)waterlogged = false(MAGENTA_STAINED_GLASS_PANE)waterlogged = false(MAGENTA_STAINED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED
false(MANGROVE_FENCE)waterlogged = false(MANGROVE_LEAVES)waterlogged =
false(MANGROVE_{P}ROPAGULE)waterlogged = false(MANGROVE_{R}OOTS)waterlogged =
false(MANGROVE_SIGN)waterlogged = false(MANGROVE_SLAB)waterlogged = fals
false(MANGROVE_TRAPDOOR)waterlogged = false(MANGROVE_WALL_SIGN)waterlogged = false(MANGROVE_WA
false(MEDIUM_{A}METHYST_{B}UD)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}LAB)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}C)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}C)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}C)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}C)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}C)waterlogged = false(MOSSY_{C}OBBLESTONE_{S}C)water
false(MOSSY_COBBLESTONE_STAIRS) waterlogged = false(MOSSY_COBBLESTONE_WALL) waterlogged
false(MOSSY_STONE_BRICK_SLAB)waterlogged = false(MOSSY_STONE_BRICK_STAIRS)waterlogged = false(MOSSY_STAIRS)waterlogged = false(MOSSY_STAIRS)waterlogged = false(MOSSY_STAIRS)waterlogged = false(MOSSY_
false(MOSSY_STONE_BRICK_WALL)waterlogged = false(MUD_BRICK_SLAB)waterlogged = false(MUD_SLAB)waterlogged = false(MUD_SL
false(MUD_BRICK_STAIRS)waterlogged = false(MUD_BRICK_WALL)waterlogged =
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false(NETHER_BRICK_FENCE)waterlogged = false(NETHER_BRICK_SLAB)waterlogged = false(NETHER_BRICK_SLAB)water
false(NETHER_BRICK_STAIRS)waterlogged = false(NETHER_BRICK_WALL)waterlogged = false(NETHER_BRICK_WALL)wate
false(OAK_FENCE)waterlogged = false(OAK_LEAVES)waterlogged = false(OAK_SIGN)waterlogged = false(OAK_S
false(OAK_SLAB)waterlogged = false(OAK_STAIRS)waterlogged = false(OAK_TRAPDOOR)waterlogged
false(OAK_WALL_SIGN)waterlogged = false(ORANGE_CANDLE)waterlogged = false(ORANGE_STAIN)waterlogged = false(ORANGE_STAIN)waterlogge
false(OXIDIZED_{C}UT_{C}OPPER_{S}LAB)waterlogged = false(OXIDIZED_{C}UT_{C}OPPER_{S}TAIRS)waterlogged
false(PETRIFIED_OAK_SLAB)waterlogged = false(PINK_CANDLE)waterlogged =
false(PINK_STAINED_GLASS_PANE)waterlogged = false(POINTED_DRIPSTONE)waterlogged = false(POINTED_DRIPSTONE)
false(POLISHED_ANDESITE_SLAB)waterlogged = false(POLISHED_ANDESITE_STAIRS)waterlogged = false(POLISHED_ANDESI
false(POLISHED_BLACKSTONE_BRICK_SLAB)waterlogged = false(POLISHED_BLACK_SLAB)waterlogged = false(POLISHE
false(POLISHED_BLACKSTONE_BRICK_WALL) waterlogged = false(POLISHED_BLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKSTONE_SLACKS
false(POLISHED_BLACKSTONE_STAIRS)waterlogqed = false(POLISHED_BLACKSTONE_WALL)waterlogqed = false(POLISHED_BL
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false(POLISHED_DIORITE_STAIRS)waterlogged = false(POLISHED_GRANITE_SLAB)waterlogged = false(POLISHED_GRANITE_SLA
false(POLISHED_GRANITE_STAIRS)waterlogged = false(POWERED_RAIL)waterlogged = false(POWERED_RAIL)w
false(PRISMARINE_{B}RICK_{S}LAB)waterlogged = false(PRISMARINE_{B}RICK_{S}TAIRS)waterlogged = false(PRISMARINE_{B}RICK_{S}TA
false(PRISMARINE_SLAB)waterlogged = false(PRISMARINE_STAIRS)waterlogged = false(PRISMARINE_STAIRS)waterlog
false(PRISMARINE_{W}ALL)waterlogged = false(PURPLE_{C}ANDLE)waterlogged = false(PURPLE_{C}ANDLE)wate
false(PURPLE_STAINED_GLASS_PANE)waterlogged = false(PURPUR_SLAB)waterlogged = false(PURPUR_S
false(PURPUR_STAIRS)waterlogged = false(QUARTZ_SLAB)waterlogged = false(QUARTZ_STAIRS)waterlogged = false(QUARTZ_STAIRS)waterlogg
false(RAIL)waterlogged = false(RED_CANDLE)waterlogged = false(RED_NETHER_BRICK_SLAB)waterlogged = false(RED_CANDLE)waterlogged = false(RED_CANDLE)waterlo
false(RED_NETHER_BRICK_STAIRS)waterlogged = false(RED_NETHER_BRICK_WALL)waterlogged = false(RED_NETHER_BRICK_WALL)waterlogged
false(RED_SANDSTONE_SLAB)waterlogged = false(RED_SANDSTONE_STAIRS)waterlogged = false(RED_SANDSTONE_STAIRS)waterlogge
false(RED_SANDSTONE_WALL)waterlogged = false(RED_STAINED_GLASS_PANE)waterlogged = false(RED_STAINED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED
false(SANDSTONE_SLAB)waterlogged = false(SANDSTONE_STAIRS)waterlogged = false(SANDS
false(SANDSTONE_{W}ALL)waterlogged = false(SCAFFOLDING)waterlogged = false(SCULK_{S}ENSO)
false(SCULK_SHRIEKER)waterlogged = false(SCULK_VEIN)waterlogged = false(SMALL_AMETHY)
false(SMALL_DRIPLEAF)waterlogged = false(SMOOTH_OUARTZ_SLAB)waterlogged = false(SMOOTH_OUARTZ_
false(SMOOTH_{Q}UARTZ_{S}TAIRS)waterlogged = false(SMOOTH_{R}ED_{S}ANDSTONE_{S}LAB)waterlogged
false(SMOOTH_RED_SANDSTONE_STAIRS)waterlogged = false(SMOOTH_SANDSTONE_SLAB)waterlogged = false(SMOOTH_SANDSTONE_SLAB)
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false(SMOOTH_SANDSTONE_STAIRS)waterlogged = false(SMOOTH_STONE_SLAB)waterlogged = false(SMOOTH_STONE_SLAB)
  false(SOUL_{C}AMPFIRE)waterlogged = false(SOUL_{L}ANTERN)waterlogged = false(SPRUCE_{F}ENCLOS)waterlogged = false(SPRUCE
  false(SPRUCE_LEAVES)waterlogged = false(SPRUCE_SIGN)waterlogged = false(SPRUCE_SLAB)waterlogged = false(SPRUCE_SLAB)waterlog
  false(SPRUCE_{S}TAIRS)waterlogged = false(SPRUCE_{T}RAPDOOR)waterlogged = false(SPRUCE_{T}RAPDOOR)waterlog
  false(SPRUCE_WALL_SIGN)waterlogged = false(STONE_BRICK_SLAB)waterlogged =
  false(STONE_BRICK_STAIRS)waterlogged = false(STONE_BRICK_WALL)waterlogged = false(S
  false(STONE_SLAB)waterlogged = false(STONE_STAIRS)waterlogged = false(TRAPPED_CHEST)waterlogged = false(STONE_SLAB)waterlogged = false(STONE_STAIRS)waterlogged = f
  false(WARPED_FENCE)waterlogged = false(WARPED_SIGN)waterlogged = false(WARPED_SLAB)waterlogged = false(WARPED_SLAB)waterlogg
  false(WARPED_{S}TAIRS)waterlogged = false(WARPED_{T}RAPDOOR)waterlogged = false(WARPED_{T}RAPDOOR)waterlog
  false(WARPED_WALL_SIGN)waterlogged = false(WAXED_CUT_COPPER_SLAB)waterlogged = false(WARPED_WALL_SIGN)waterlogged = fals
  false(WAXED_{C}UT_{C}OPPER_{S}TAIRS)waterlogged = false(WAXED_{E}XPOSED_{C}UT_{C}OPPER_{S}LAB)waterlogged = false(WAXED_{E}XPOSED_{C}UT_{C}OPPER_{S}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}
  false(WAXED_{E}XPOSED_{C}UT_{C}OPPER_{S}TAIRS)waterlogged = false(WAXED_{O}XIDIZED_{C}UT_{C}OPPET_{S}TAIRS)waterlogged = false(WAXED_{O}XIDIZED_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}OPPET_{C}UT_{C}UT_{C}OPPET_{C}UT_{C}UT_{C}UT_{C}OPP_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_{C}UT_
  false(WAXED_{O}XIDIZED_{C}UT_{C}OPPER_{S}TAIRS)waterlogged = false(WAXED_{W}EATHERED_{C}UT_{C}C)
  false(WAXED_WEATHERED_CUT_COPPER_STAIRS) waterlogged = false(WEATHERED_CUT_COPPER_STAIRS) waterlogged = false(WEATHERED_CUT_COPPER_ST
  false(WEATHERED_{C}UT_{C}OPPER_{S}TAIRS)waterlogged = false(WHITE_{C}ANDLE)waterlogged = false(WHITE_{C}ANDLE)waterlogg
  false(WHITE_{S}TAINED_{G}LASS_{P}ANE)waterlogged = false(YELLOW_{C}ANDLE)waterlogged = false(YELLOW_
  false(YELLOW_STAINED_GLASS_PANE)waterlogged = true(BRAIN_CORAL)waterlogged =
  true(BRAIN_CORAL_FAN)waterlogged = true(BRAIN_CORAL_WALL_FAN)waterlogged = true(BRAI
  true(BUBBLE_{C}ORAL)waterlogged = true(BUBBLE_{C}ORAL_{F}AN)waterlogged = true(BUBBL
true(CONDUIT)waterlogged = true(DEAD_BRAIN_CORAL)waterlogged = true(DEAD_BRAIN_CORAL_F)waterlogged = true(DEAD_F)waterlogged = true(DEAD_F)waterlogged = true(DEAD_F)waterlogged = true(DEAD_F)waterlogged = true(DEAD_F)wat
true(DEAD_BRAIN_CORAL_WALL_FAN) waterlogged = true(DEAD_BUBBLE_CORAL) waterlogged =
  true(DEAD_BUBBLE_CORAL_FAN)waterlogged = true(DEAD_BUBBLE_CORAL_WALL_FAN)waterlogged
true(DEAD_FIRE_CORAL)waterlogged = true(DEAD_FIRE_CORAL_FAN)waterlogged =
true(DEAD_FIRE_CORAL_WALL_FAN)waterlogged = true(DEAD_HORN_CORAL)waterlogged =
true(DEAD_HORN_CORAL_FAN)waterlogged = true(DEAD_HORN_CORAL_WALL_FAN)waterlogged =
true(DEAD_TUBE_CORAL)waterlogged = true(DEAD_TUBE_CORAL_FAN)waterlogged = true(DEAD_TUBE_CORAL
true(DEAD_TUBE_CORAL_WALL_FAN)waterlogged = true(FIRE_CORAL)waterlogged = true(FIRE_CORAL)wate
true(FIRE_CORAL_FAN)waterlogged = true(FIRE_CORAL_WALL_FAN)waterlogged = true(FIRE_CORAL_WALL_
  true(SEA_PICKLE)waterlogged = true(TUBE_CORAL)waterlogged = true(TUBE_CORAL_FAN)waterlogged
  true(TUBE_CORAL_WALL_FAN)west = false(ACACIA_FENCE)west = false(BIRCH_FENCE)west = false(BIRCH
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false(BLACK_STAINED_GLASS_PANE)west = false(BLUE_STAINED_GLASS_PANE)west = false(BL
  false(BROWN_STAINED_GLASS_PANE)west = false(CHORUS_PLANT)west = false(CRIMSON_FENCE)
  false(CYAN_STAINED_GLASS_PANE)west = false(DARK_OAK_FENCE)west = false(FIRE)west =
  false(GLASS_PANE)west = false(GLOW_LICHEN)west = false(GRAY_STAINED_GLASS_PANE)west = false(GLASS_PANE)west = false(GLOW_LICHEN)west = false(GRAY_STAINED_GLASS_PANE)west = false(GLOW_LICHEN)west = false(GRAY_STAINED_GLASS_PANE)west = false(GRAY_STAINED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_PANED_GLASS_
  false(GREEN_{S}TAINED_{G}LASS_{P}ANE)west = false(IRON_{B}ARS)west = false(JUNGLE_{F}ENCE)west
  false(LIGHT_BLUE_STAINED_GLASS_PANE)west = false(LIGHT_GRAY_STAINED_GLASS_PANE)west = false(LIGHT_GRAY_STAINE
  false(LIME_{S}TAINED_{G}LASS_{P}ANE)west = false(MAGENTA_{S}TAINED_{G}LASS_{P}ANE)west = false(MAGENTA_{S}TAINED
  false(MANGROVE_FENCE)west = false(NETHER_BRICK_FENCE)west = false(OAK_FENCE)west
  false(ORANGE_STAINED_GLASS_PANE)west = false(PINK_STAINED_GLASS_PANE)west = false(P
  false(PURPLE_STAINED_GLASS_PANE)west = false(RED_STAINED_GLASS_PANE)west = false(RED_STAINED_GLASS_P
  false(SCULK_VEIN)west = false(SPRUCE_FENCE)west = false(TRIPWIRE)west = false(TRIPWIRE
false(VINE)west = false(WARPED_FENCE)west = false(WHITE_STAINED_GLASS_PANE)west = false(VINE)west = false(WARPED_FENCE)west = false(WHITE_STAINED_GLASS_PANE)west = false(WHITE_STAINE
  false(YELLOW_STAINED_GLASS_PANE)west = none(ANDESITE_WALL)west = none(BLACKSTONDESITE_WALL)west =
none(BRICK_WALL)west = none(COBBLED_DEEPSLATE_WALL)west = none(COBBLESTONE_WALL)west = none(COBBLESTO
none(DEEPSLATE_{B}RICK_{W}ALL)west = none(DEEPSLATE_{T}ILE_{W}ALL)west = none(DIORITE_{W}ALL)west = 
  none(END_STONE_BRICK_WALL)west = none(GRANITE_WALL)west = none(MOSSY_COBBLESTONE_WALL)west = none(MOSSY_COBBLESTONE_WAL
  none(MOSSY_STONE_BRICK_WALL)west = none(MUD_BRICK_WALL)west = none(NETHER_BRICK_WALL)west = no
none(POLISHED_BLACKSTONE_BRICK_WALL)west = none(POLISHED_BLACKSTONE_WALL)west
none(POLISHED_DEEPSLATE_WALL)west = none(PRISMARINE_WALL)west =
none(REDSTONE_WIRE)west = none(RED_NETHER_BRICK_WALL)west = none(RED_SANDSTONE_WIRE)west = 
none(SANDSTONE_WALL)west = none(STONE_BRICK_WALL)west = true(BROWN_MUSHROOM_BLOWN_MUSHROOM_BRICK_WALL)west = true(BROWN_MUSHROOM_BRICK_WALL)west = true(BROW_BRICK_WALL)west = true(BR
true(MUSHROOM_STEM)west = true(RED_MUSHROOM_BLOCK)
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A.2 Material modifiers concatenation

 \ldots (how to join modifiers)

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