

Report - How to solve the lobby paths riddle

Lobby paths

The lobby path riddle is a binary encoded text.

Each path is 45 blocks long and 3 blocks wide. The middle part of each road always consist of path blocks containing no information. The sides of each path contain binary information where grass blocks are 0 and path blocks are 1. Meaning 360 bits for all paths and with it being 8-bit we have 45 characters.

The first clue contain a lot of valuable information to decode the riddle.

You might find the old way. It has 4 sides all north. None are touching but with a statue watching you.

"It has 4 sides all north" is a lie, the **opposite** of truth. It tells us direction and with combination of the missing player head block resampling south of the main lobby at the position 0 104 4 we get the starting location of the binary string the **opposite** of north is *south*.

"..but with a statue watching you." is a clue to the direction we need to read the strings from.

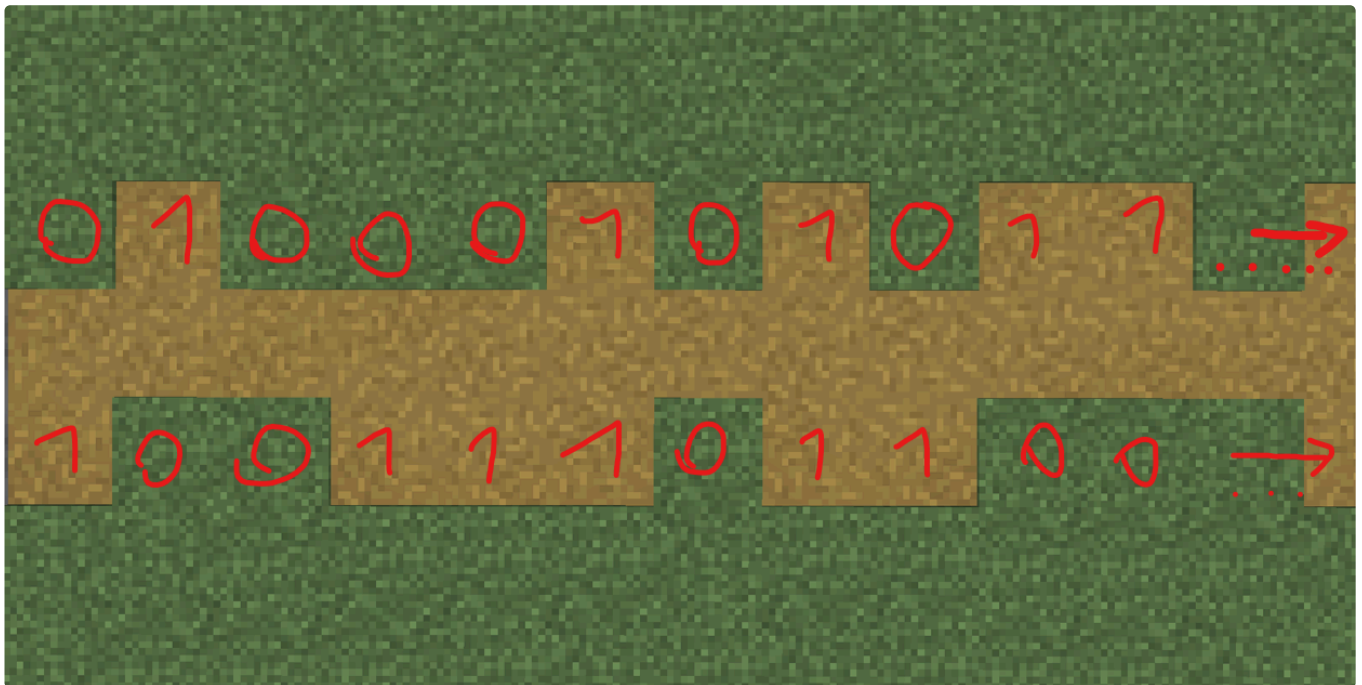
This part is referring to the Nomam_ statue from the warp "Tharros" visible from the exact center of the main island with a high enough render distance while looking south. The statue is watching north, so, combined with our starting position and the statues looking direction we conclude that we read the binary **clock-wise**.

The rest of clue one is unnecessary cryptic text.

The second and third clue were intended as further help to where to look and don't contain more information than specifying that the roads contain our information.

With this information we can try our first decoding.

By starting south and clock-wise we need to start from the right half of the first road.



With this the west path we get the binary

R: 010001010110110001100100011001010111001001110

For the right path and

L: 100111011000100110100101100010011000000100110

For the left path from bottom to up.

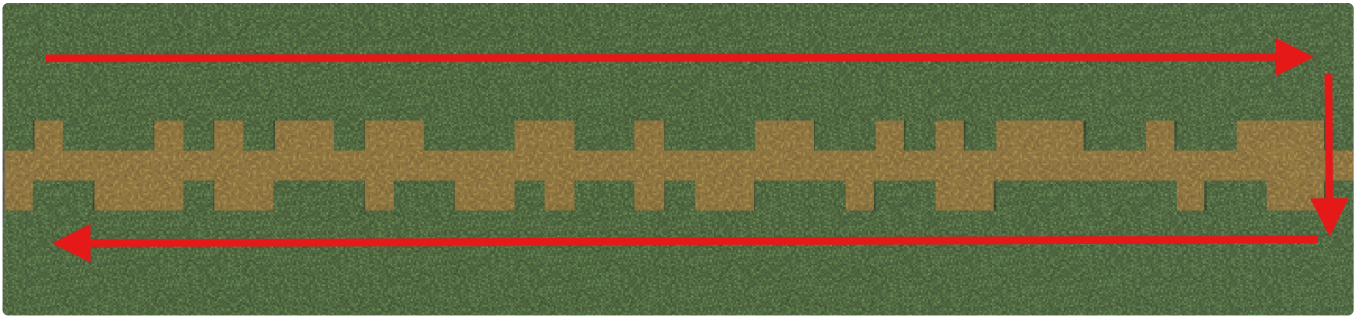
Decoding this with:

- $R+L = \text{Eldert} \diamond M, L \diamond$
- $L+R = \diamond \diamond \diamond \diamond \diamond 2+c\#+ \diamond \diamond$

Which is absolute gibberish so we did something wrong.

This part had no clue but required the person to think and try things out a little.

The right path has been read correctly so we try reading L from up to bottom.



So again

R: 010001010110110001100100011001010111001001110

L: 011001000000110010001101001011001000110111001

Which as R+L decodes to Elders didn't but we aren't done yet.

Continuing this for all the other paths clock-wise and stringing the binaries together we get this for each path:

[path 1] South

R: 010001010110110001100100011001010111001001110

L: 011001000000110010001101001011001000110111001

[path 2] West

R: 110100001000000111001101100001011110010010000

L: 001100101011101100110010101110010011110010111

[path 3] North

R: 010001101000011010010110111001100111001000000

L: 110000101100010011011110111010101110100001000

[path 4] East

R: 000111010001101000011001010010000001001101011

L: 101010110110001110100011010010111011001100101

Which combines to

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01000101011011000110010001100101011100100111001100100000011001000110100101100100011011100111010000100000011100110110000
1011110010010000001100101011101100110010101110010011110010111010001101000110100101101110011001110010000001100001011000
1001101111011101011101000010000001110100011010000110010100100000010011010111010110110001110100011010010111011001100
101
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"Elders didn't say everything about the Multive"

The last word must be completed to "Multiverse" which then gives us the final answer to the riddle:

Elders didn't say everything about the Multiverse