

ATIVIDADE 1 ILS

Diogo Tuler Chaves - 2022043663
Rafael Martins Gomes - 2022043779
João Marcos - 2022043728

1. Link para EDA

<https://www.edaplayground.com/x/8HDm#>

2. Prints

2.1. Palavra escolhida

Paste text or drop text file

pato

Character encoding (optional)

ASCII/UTF-8

Output delimiter string (optional)

None

Convert Reset Swap

01110000011000010111010001101111

Copy Save Save Bin

The screenshot shows a web application interface for converting text to binary. At the top, there is a text input field containing the word 'pato'. Below this, there are two optional settings: 'Character encoding' set to 'ASCII/UTF-8' and 'Output delimiter string' set to 'None'. A row of three buttons is present: a green 'Convert' button, a grey 'Reset' button, and a grey 'Swap' button. Below the buttons, a large text area displays the binary representation of the word: '01110000011000010111010001101111'. At the bottom, there are three buttons: 'Copy', 'Save', and 'Save Bin'.

2.2. Palavra codificada

From

To

Binary

Text

Open File

Open Bin File

Q

Paste binary numbers or drop file:

00001100 01001011 00100101 01010001

Character encoding (optional)

ASCII/UTF-8

↺ Convert

✕ Reset

↕ Swap

K%Q

Copy

Save

2.3. Saída do código

```
[2023-06-18 17:16:34 EDT] iverilog '-Wall' design.sv testbench.sv && unbuffer vvp a.out
```

```
VCD info: dumpfile dump.vcd opened for output.
```

```
Original input:
```

```
01110000011000010111010001101111
```

```
Encoded output:
```

```
00001100010010110010010101010001
```

```
Decoded output:
```

```
01110000011000010111010001101111
```

```
Finding VCD file...
```

```
./dump.vcd
```

```
[2023-06-18 17:16:35 EDT] Opening EPWave...
```

```
Done
```