



## L3 ING Project - Huffman coding

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### Make commands

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#### Make

```
make
```

Compiles the **src/** files and generates the executable `huffman_exec` in **bin/**

#### Make bin

```
make bin
```

Same as **make**, compiles the executable in **bin/**

#### Make lib

```
make lib
```

Generates two versions of the library in **lib/**, a dynamic one `libhuffman.so` and a static one `libhuffman.a`

#### Make clean

```
make clean
```

Deletes the executable in **bin/**

#### Make cleanO

```
make cleanO
```

Deletes the files ".o" in **obj/**

## Make clean+

```
make clean+
```

Executes **make clean** and **make cleanO**

## Make cleandir

```
make cleandir
```

Deletes the folders **bin/**, **obj/** and **lib/**

## Make run

```
make run
```

Updates the executable if needed, and after that executes **bin/huffman\_exec** with no arguments

## Make run\_interface

```
make run_interface
```

Updates the executable if needed, and after that executes **bin/huffman\_exec** with the argument "interface" to run the program with a console interface made for the tests

## Make memory\_run

```
make memory_run
```

Same as **make run**, but uses valgrind in addition

## Make memory\_run\_interface

```
make memory_run_interface
```

Same as **make run\_interface**, but uses valgrind in addition

## Make archive

```
make archive
```

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Puts the content of the directory in a compressed folder **.tar.bz2**. The folders **bin/**, **obj/** and **lib/** aren't put in it

## NOTE

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You can use the `-j{x}` option with the previous commands; You have to replace the `{x}` by the number of threads your computer can handle as said in **README.md**