

# **IMPLEMENTING THE MINI-CALCULATOR ASIC**

Daniel Arevalos

Fakultät 07 – Hochschule München

# Hot Fix

We need yet another instalation inside the librelane nix-shell.

```
$ apt update
```

```
$ apt install -y xdot graphviz
```

# Synthesis

So far we have the RTL of the mini-calculator. But now we want to make it an ASIC. Lets just take a look into what the synthesis looks like.

1. Go into the firstdesign/M2\_BCD/src/ folder and then run:

```
$ yosys
```

```
$ show
```

What are we looking at ?

2. Now inside yosys run:

```
$ synth
```

```
$ show
```