CST 337 – Computer Architecture

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Homework 1

Homework must be done on paper and submitted to the corresponding submitting portal on iLearn!

# Exercise 1:

* Convert 2 numbers “a” and “b” into binary numbers.
* Add them in binary form.
* Convert the result back into a decimal number. a: 23734

b: 12195

# Exercise 2:

The 32 bit hexadecimal number 12A012FF is in little endian format.

* Convert it to a binary number with the help of an online “hex to bin” converter.
* Convert it to a decimal signed (!) integer number.

# Exercise 2:

Convert “-34.78125” into the float IEEE 754 format.