# Notes on Assignment 1

# Organization

# Practical stuff

- Test instances are out: hw01_instances.zip
- Deadline postponed to October 1st.
- Time limit extended to 2 minutes.

# Remarks

- Regarding the input and output file format, BE PRECISE!

- Regarding allowed libraries:
  - Everything in the (Python and C) standard library is automatically allowed
  - For other libraries, ask me

- Hint: When evaluating

```
(a and b and c and d and e and f and g)
```

  If `a` is False, then there is no need to evaluate `b, c, d, e, f, g`.

# Questions and answers

The answers to all the following questions are already in the instructions.

Nothing new is added here.

- **Q:** Can we use Python `eval()`?

  **A:** Yes but be extermely careful with validation!

- **Q:** Can we use exceptions?

  **A:** Yes (you probably should) but be they must be caught!

- **Q:** Do we really ignore all blanks in the input?

  **A:** Not when they separate words: `abc def` $\neq$ `abcdef`

- **Q:** Does the under-two-minutes constraint apply to `show` or `show_ones`?
  **A:** It applies only to `show_ones`.

- **Q:** Which variables do `show` / `show_ones` enumerate over?
  **A:** Exactly the ones declared up to the `show` / `show_ones` instruction.

- **Q:** How many truth tables does “`show a1 a2 a3;`” print?
  **A:** Exactly one. Its number of columns is the number of variables declared so far plus three (for `a1`, `a2` and `a3`).

- **Q:** Can there be multiple `show` instructions?

  **A:** Yes.

- **Q:** Should `show` print its output to `stdout`?

  **A:** Yes.

- **Q:** Which rows of the truth table does "`show_ones a1 a2 a3;`" print?

  **A:** Exactly the ones in which either `a1` or `a2` or `a3` is True.