

General

Gebruik van `self`

If you work with classes, you need to make a distinction between two kinds of variables. There are object properties that can be referenced in all class methods and there are local variables of methods that are only accessible in the method where they are defined. Only the names of the object properties need to be prefixed with `self`. Variables that are local to a method (the local variables) do not need to be prefixed with `self`, and its considered very bad programming style if you do so.

Initialize object properties in intialisation method

Before you start with the implementation of a class, you must first determine which properties the objects of the class will have. Each of these properties will correspond to a variable that is prefixed with `self..` These variables describe the internal state of the individual objects and can be addressed in all class methods. It's always a good idea to define the object properties in the `__init__` method, where you assign them an initial value.

Racetrack Playa

Specific information

Figure 1 shows what happens if a block slides.

Figure 1 shows what happens if a block tilts.

Data compression

Specific information

To decode a bitstring b you can execute the following procedure until the bitstring b is the empty string:

- find the shortest prefix p of the bitstring b that represents a symbol s that can be decoded
- add the symbol s to the decoded message
- remove the prefix p from the start of the bitstring b

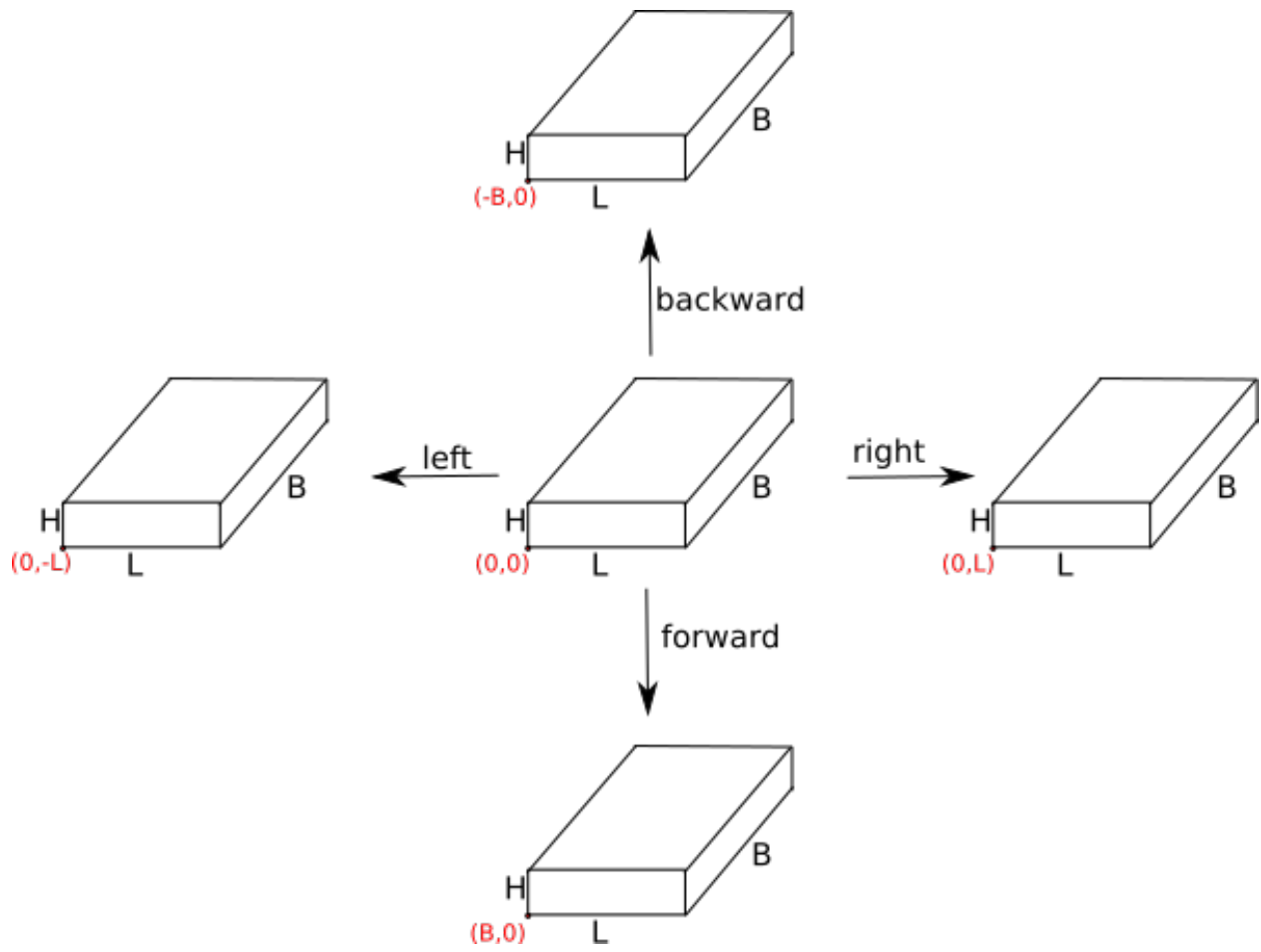


Figure 1: Slide

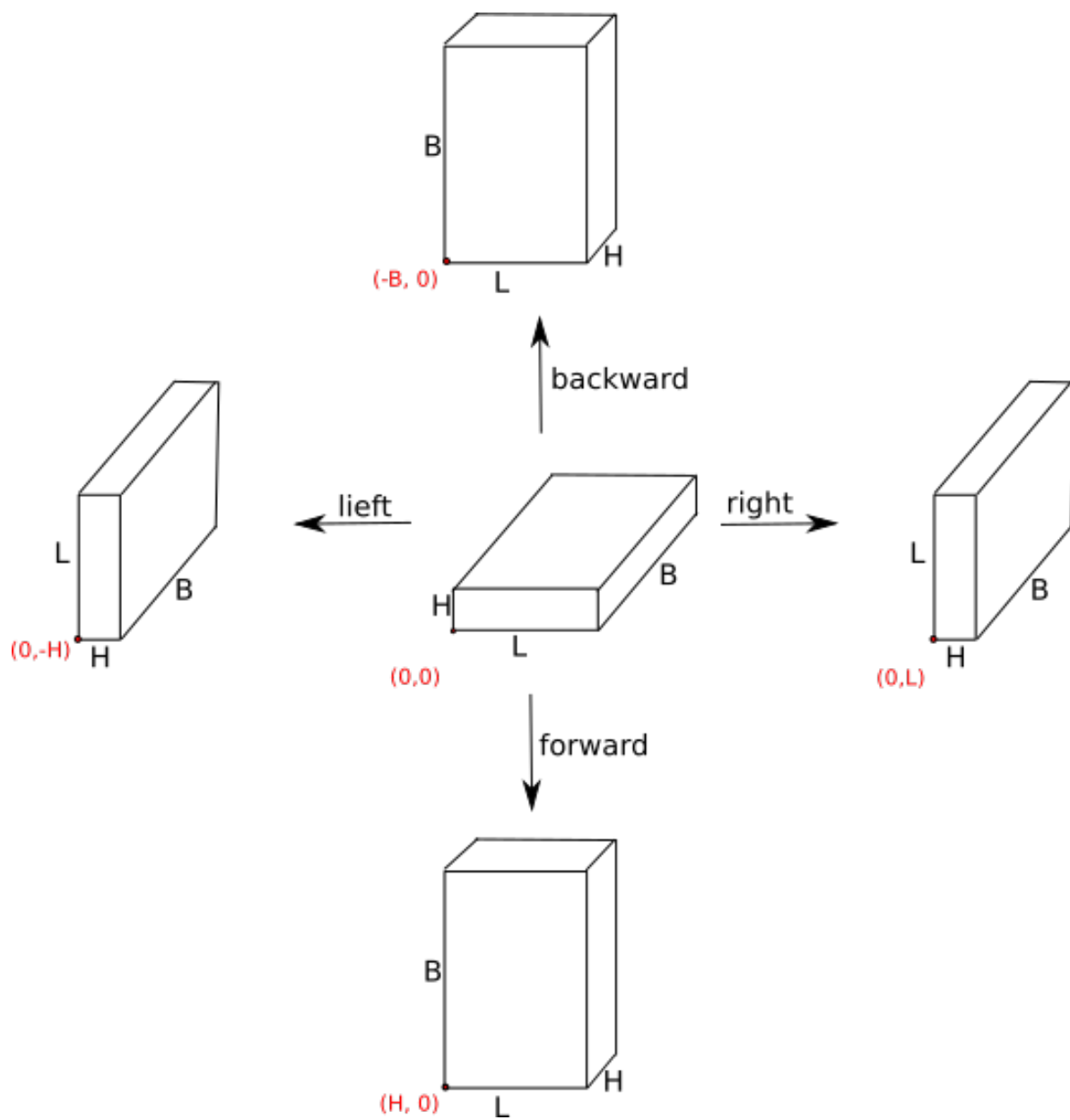


Figure 2: Tilt