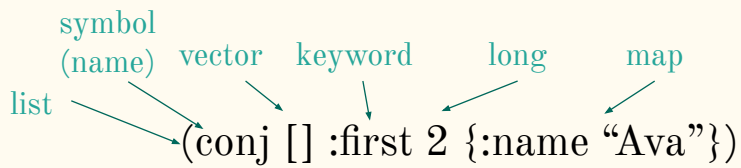
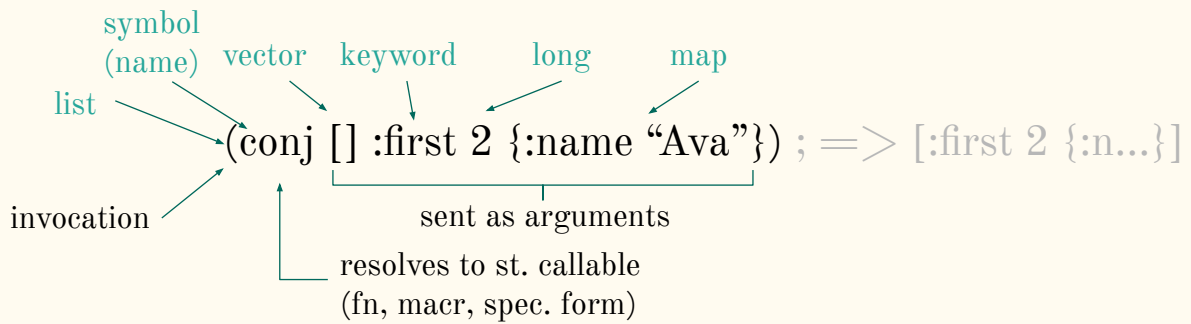


Little bit of a syntax



Clojure is a Lisp, i.e. the code consists of the same data you use as a programmer. Vectors are similar to JS arrays, keywords to strings (but they're magical and can be also used as a function that takes a map and looks up its value). This is the *syntax*, i.e. how characters become data.

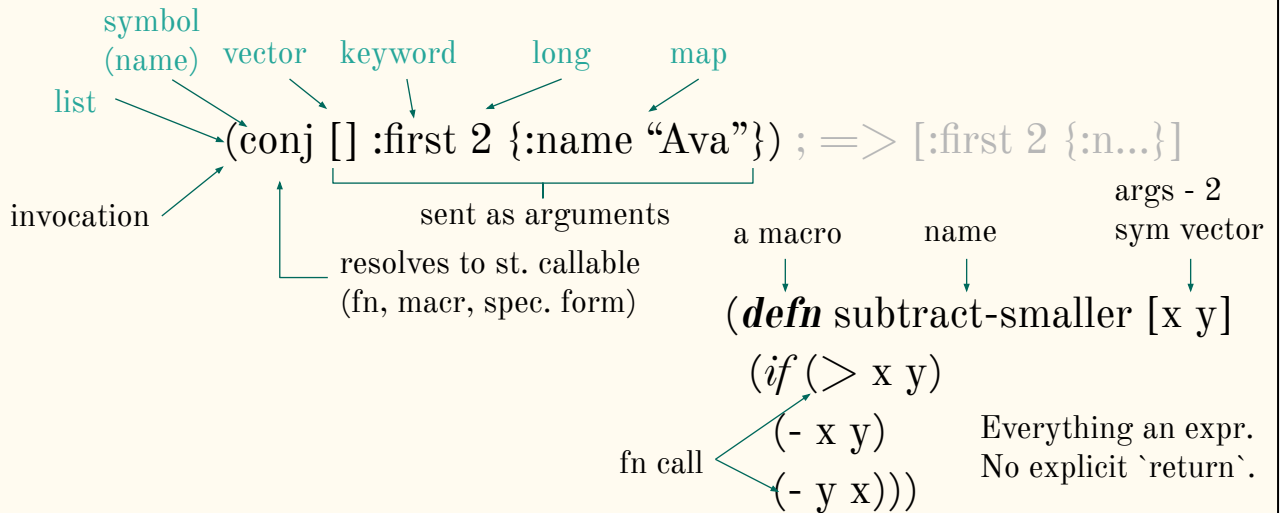
Little bit of a syntax and semantics



Semantics: A list is *interpreted* as an invocation (e.g. a function call).

For our purposes here, all invocable things - a function, a macro, a special form - are \pm the same thing.

Little bit of a syntax and semantics



Defining a function looks just the same. Highlights:

``>`, ``-`` are function calls - there are no operators in Clj. ``if`` is a spec. Form, i.e. just like a function call for our purposes.

No "else", no reserved words in Clj. Everything returns a value.