Clojure programming language & it's ecosystem

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What is Clojure?

► LISP



Figure 1: Lisp Cycles, https://xkcd.com/297/

► Rich Hickey



Figure 2: Rich Hickey at the first Clojure Conj in 2010, https://creativecommons.org/licenses/by-sa/2.0/

What is LISP?

```
etun \mathfrak{C}(f) ((\lambda (g) (funcall g g)) (\lambda (f) (funcall f
    (\(\lambda\) (apply (funcall \(\mathbf{E}\) \(\mathbf{E}\)))))
    efun fib (n) (funcall (\Im (\lambda(f) (\lambda (n a b) (if (< n I) a (funcall f (I- n) b (+ a b))))) n \circ I)
    etun fac (n) (funcall (\mathcal{A} (\lambda (f) (\lambda (n) (if (3erop n) I
     (* n (funcall f (I- n)))))) n)
   (mapcar #'fib '(i ij iij iv v vi
                                                   vii viii ix))
               iii v viii
                                           Fiii
   (mapcar #'fac '(i ij iij iv v vi vij viij
ij vi eriv cee docee vel edoccee efevimmdoccleee)
```

Figure 3: Y Combinator Codex by emacsomancer.