Tooling Challenges

You are on the outside looking in

You may not be able to use the tool

You only get what the tool provides

The Ultimate Tool

The REPL

• Data is perfectly transparent

You are in the program

Also consider REBL

```
REPL Local: conj2019.horsemen.weapons-api
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        W1(1/ 10) (10 1/) (10 1/)/
        #{[16 18] [17 19] [17 17]}
        #{[17 18]}]
       [#{[18 1]}
        #{[18 0] [17 1] [19 1]}
        #{[17 2] [19 2]}
        #{[18 3] [17 4] [18 5]}
        #{[18 4] [19 5]}
        #{[19 6] [17 6]}
        #{[18 9] [19 8] [17 8]}
        #{[19 9] [18 10] [18 8]}
        #{[17 11]}
        #{[18 14] [19 13] [17 13]}
        #{[18 18] [19 19]}]
       [#{[19 1]}·
        #{[18 1] [19 0]}
        #{[18 2]}
        #{[18 3]}
        #{[19 5]}
        #{[19 4] [18 5]}
        #{[19 7] [18 6]}
        #{[19 6]}
        #{[18 8]}
        #{[19 10] [18 9]}
        #{[19 9]}
        #{[19 12]}
        #{[19 13] [19 11]}
        #{[19 12] [19 14] [18 13]}
        #{[19 16] [18 15]}
        #{[19 15] [19 17]}
        #{[19 16] [19 18]}
        #{[19 17]}
        #{[18 19] :end}]],
 :location [11 13],
 :elements {},
 :inventory {:sword {:type :item, :name :sword, :color :red, :emoji "🗡"},
            :bow-and-arrow (:type :item, :name :bow-and-arrow, :color :white, :emoji "🏹"),
            :scales {:type :item, :name :scales, :color :black, :emoji "⚖"},
            :shield {:type :item, :name :shield, :color :gray, :emoji "🛡"}},
 :defeated ({:type :enemy, :name :death, :color :gray, :weapon :shield, :emoji "🐴"}
           {:type :enemy, :name :war, :color :red, :weapon :sword, :emoji "🐴"}
           {:type :enemy, :name :famine, :color :black, :weapon :scales, :emoji "🐴"}
           {:type :enemy, :name :pestilence, :color :white, :weapon :bow-and-arrow, :emoji "🐴"}),
 :end-condition "You Won!"}
```