## psilo

This is the main program outline. If an argument is present on the command line then we execute the program in that file and halt. Otherwise we fire up a repl.

```
module Main where

import Parser
import Syntax
import Evaluator

import Control.Monad.Trans
import System.Console.Haskeline

import System.Environment
import System.IO
```

eval amounts to taking a line of code (a line in the repl, an expression otherwise), getting the Expr value from the parser and then running a Machine with said value.

The result is the state of the machine after it has been run.

The repl is nothing more than calling eval in an endless loop.

If we execute eval on the contents of a file of code, we have a normal interpreter:

```
execFile :: String -> IO ()
execFile fname = readFile fname >>= (flip eval) initialStore >> return ()

main :: IO ()
main = do
    args <- getArgs
    case args of
       []     -> repl >> return ()
       [fname] -> execFile fname >> return ()
```