```
1, retine e and p smoores
Z. (optional) write interpreter for P
3. Write test infrastrutine w/ dummy compile func
y, write lots of tests
compiler: P -> x86-64
P= (program e) e= num (-e) (read)
                       (var / (let var e e)
compiler: Ro -> Xo
                                    con veg mem
                          ares = constant | register | reproffet
prog := ".globl mainin
      "main:" INSTR+
                          11 dest = lest src + dest % 264
INSTR = "addg" arg", "arg
       subg arg, arg
                         // dest < negate dest
       negg arg
       move arg, arg // dest & src
      cally label (label = any string)
      pushy and Il push and on to stack
      popq arg
      retg
compiler (+10 32)
                   movy $0, % rax
                    addy $32, 90 mx
                   move, %rax, % rd?
                   cally - print-int
                   reta
```

 χ_{6}

uniquify: (dupe no-dupe) e

Xz XZ

$$(+ (+ 12) (+ 34)) = 7$$
 $x = 1+2$ $add_1h_5q_1 = 1+7$ $y = 3+4$ $add_1h_5q_2 = 3+4$ $z = x+y$ $ans_1h_2prog_1q_2 = \frac{1}{x}$.

time ...