F Special

1 spacelis

((\$15a/; -: [→ \$1, sa!

Special spaendu

LL 5152/11 LC S1, sa!

O [comment]

S1, 48 SA, 53.

111 /5] = S#

1150 = 07

13=Wall

Sa : on the

SI = Bottle

SHI beer

ab chars

*L[51; *s [0+] S4; [] S&; [] S3; []

Strings (mcompressing) to stendard

Nothing, adready standard

9 :: 9 Add emt Chars Sporces betore after ٠. (that are valued see char) 井 mescaped ۶

replace & w/ (lecoling a)

Lke EVEM two chars, add above, but wil no sporces replace leading Q .. **ب**مر R 8 trailing & a space

√ . . . | . . . √ ∠ (F) Split the rist of Somet expressions Soction colonial Ca

Guent 2000 two Chars, add an to former list - ten 2

12

Normal chars & Sccs sen 17+2 . Takes standard

3

Ţ.

Spaceful Strings - Same but spaces after

 SCL_{2}

QS

about

Spaceless Sccs posteriolum only, ho spaces strings

spacesw 1, ke Compressed above, but with .

Desco

SALAS.

Special Compressed strings

ruedo q · Los

.

. 77

M

Points 05 contention:

* Sporces between sccs

String delimiters

Langth

Hello, Oworld!

51; [sa;! -> 9 + a

New idea:

two types of strings

Ce Jul + 19 celes -8 spaces between Sccs `. 8 Spaces between SCGs

@ name -[esse] [... @

This to pap Item from else, wes given clater. stack

@ A; -> [[1,2,3]] Heg. [1, 2, 3] # Adds in items into 3

@ (+1-1:) [1] A [#] A E

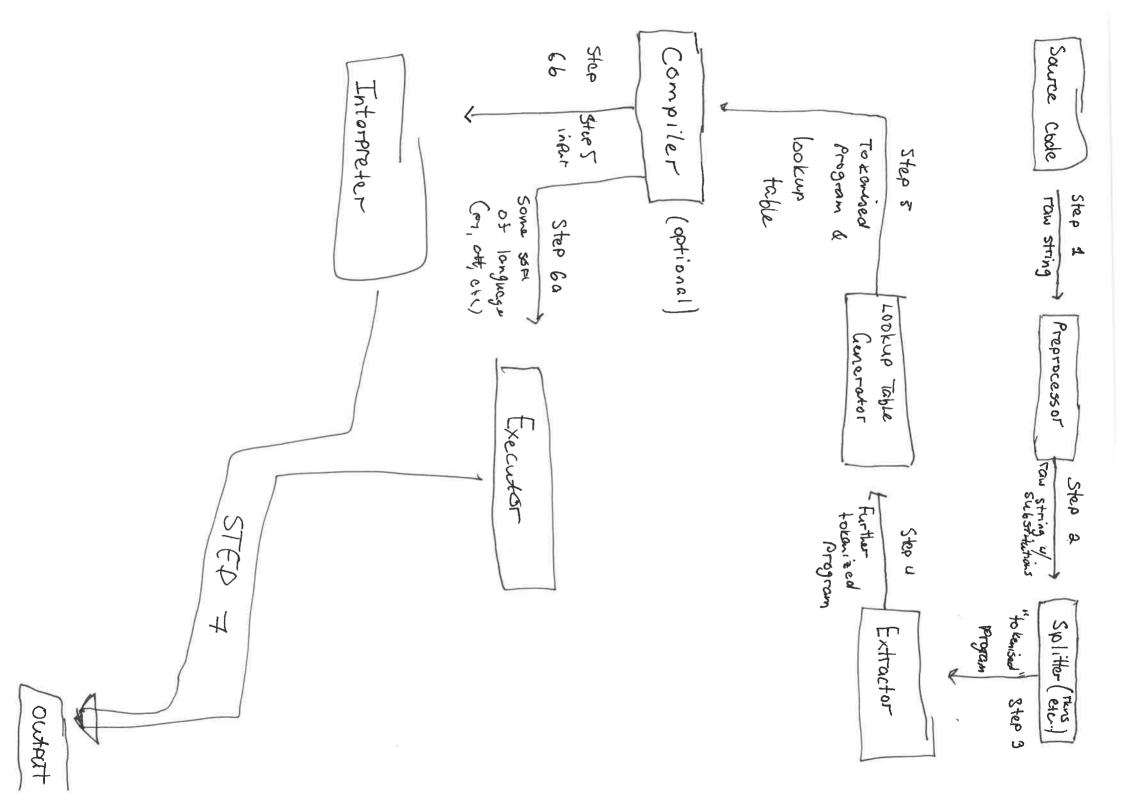
@[0|2]= >*([+1]=0/.Ti) 00 -3i | 1 AV @ # Returns 1 (is all litems in array are true

Section A @A * 1~n[]; (+)@ - Array Sunctions (2 A) → (2) Z) Kegt 87 # Convert # array all items into one big

@ AA 1 \ (+) @ @ AB # Array add (reduction)

			3	(L) W.	>
iclost; iclost; iclost; icloss; icloss; the	; c c>I;) Char ; c c>I;) Type	icls>I) cls>C) Type	; c(I>C; \ Integer ; c(I>A; \ Type	; c(I>5;	

SI; ¥s \$1; Bebore E3 Hello Un to impressed All strings turned "Hello" noon 83 = "hice" into printing, 3407 52 = World" Standard strings (text ody) Companing ¥s = [31""] -> Hello Hello ALE? defaut



A Library

Convert main stack items is to an array

@ A -[*] [`w[] (!1-/+) @

Add all Items in array

@ AA 1 \ " (4) @

@ AA 1/ (!1-/+)@

convert all items in array into # 16 possible GINAM representation

@ AB I

[2,4] + V

[3] +

2

Structure extractor - kegt

def if block (source):

7.

the data from an Given a source, this sunction will try to is statement "[expr_true/expr_salse]" extract

and place 1+ in Q dictionary"

Σ

Interpreter Parts

Phase Substitution

젊 Preprocessor.

Comes along and replaces

rederences with the corresponding to the SSL

Servence

Zof Syntax Cleck (very light strings ŧ much

Doesnix replace:

escaped es Occurances in strings

(uncompossor

Replaces SCC s

in strings

五 Tokenizer

ふす SOLHS Source

"Hotens" Command Literal grate

Begin Preprocess(source)

processed = "
string_mode = escaped = false
For each character in source

For each character Is string mode Is character is 11,11 in source 9 - - -9 **≈** = 107 string

Is escaped = False
escaped = False
Processed t = character

Else String_mode = toggla(string_mode) processed += Character

Else, It character is "

		abcdi - a a bod	eaxlj -> eaxj	eax; + eax	3 letter	
		ax); > ax;	विभः ने वर	leax; > eax	2 letter	Examples
x/; \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	letax; neax	7. 7	ealx; + eax;	lelax; teax	letter SCC3	

K-515253

God! 81 Sajs3 S4

77 (\$1 \$7 \$3 \$4) 77 77 () 45 \$5 \$5 15 77

1 X STSS (* 25 5 7) (X)

<< 5152; ; 5354 <<

NEW IDEA!

Pre-defined Constants!

character command:.

usage:

iname

4 12 Y 6001 1000 500 50 23 200 تع as 15 2 Offer J as 1's may be not ··· ટ N.

10,000

750

undervolued backbone of keg+

D bries OVETVIEW?

contained within Standard States

To be implemented in the interpreter

Allows for non-key Constructs t easily be made

TON pre-processed in output on

Allows for BFL to be 100 % Kegt

Neads own library / sile

Design

date K

operative

command

, th. 1; 5,) c|S>I; ; M[];

; 5/1.+;

crost dans

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String
                                                                                                                                                                                                                    Stino
                                                                                                                                                                                                                                                                              code a length is a
                                                           String
                     empty
                                                                                                                                                                                                    Append scc - code to
                                                                                                                                                                                                                                                                                         to reput of char
                                                                                                     string - data do
                                                                                                                                                                                                                                      " then
                                                                                                                                                                                       code + length is 2
                                                                                                                                                                                                                  Set code to an ampty
                                      F. = ther
                                                        -- create var code & store an empty
                                                                      --- (reate var escaped & Store False
                                                                                                                                                                                                                                                  escaped to The
                    & Store an
                                                                                                                                                                       " " Otherwise, If Char is
                                                                                                                                           Tuggle escaped
                                                                                                                                                                                                                                                                                       codelo] to
                                                                                                                                                                                                                                    Otherwise, Is Char is
                                                                                           to result
                                                                                                                             +hen
                                                                                                                                                                                                                                                                                 41
                                        . 2
                                                                                                                                                           1. Continue
                                                                                                                                                                                                                                                                                         . Append woo
                                                                                                                             escaped
                                                                                                            For each char in
                                                                                                                                                                                                                                                            Continue
                                      Tf String + 17Pe
  Standard (String)
                      FEBUT.
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                      create var
Begri.
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                                                                                                                                                                                                   13
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                                                                                                                                               70
                                                                                                                                    ಶ
                                                                                      ٩
                                                      I
```

to code

Append Char

Co

18 tha command body

1 dicts Stacks

hew object . Strings

-> cast (next page)

Sile (read ; \$10; "is , text Close (append; \$10; ; \$1a;

15(ab;

; s/platsom; operating version Š

-> System

) s | version;

```
[{name: cmd, data: "a"}
{neme: and, data: "b"?
                           {name: cmd, data: "5"},
```

[{name: "if", data: } Forlse: [Ename: and, data: " o" }]] True: [{ name: cmd data: "1"}

```
( Driga lie | Gip Yip )
                                                                                        [{ name: gor
                                                         count: [{ name: cmd, data: "0"}
(name , and, data: "99")
                        Ename: cond. data: ";")
                                          { rame : cmal, data : ">" },
                                                                                        data: {
```

```
Assimed in balanced
                             { name! char
                                                       standard char
                 data": ...
                                                                                                                                                                                                      des
                                                                                                                                                                                                                                                           [onTrue on False]
                                                                                                  for i in range (ten (source)):
                                                                                                                                                                           Sinal = []
                                                                                                                                      Structures = [] # structure
                                                                                                                                                             data = { 3
                                                                                                                                                   temp = ""
                                                                                                                          current = IIII
                                                                                                                                                                                                    oxtract (source):
                                                                                  13 char
                                                                                                Char
                                                                                                                                                                                                                                  @name count[.] [ coole @
                                                                                                                                                                                                                                                                                     Structure :.
                                                                                              = Spurce[i]
                                                                                                                                                                                                                                                                                                  てのかった
                                                                OVERVIEW
                                                                                  not in
                                  Some:
olata: k,, true";
                                                    4
                                                                                                                                                                                                                                                                                                          modular
                                                                                                                                                                                                                                                           (count/var/code)
                                                                               " < 3()[]"
                                                                                                                                                                                                                                                                                              <del>data</del>
                                                                                                                                     Stack
                                                                                                                                                                                                                                                                                                    21 296
                                                                                                                                                                                                                                                                                          Parts
                                                                                                                                                                                                                              But also, parse
                                                                                                                                                                                                                                                        {cond | type (code }
                                                                                                                                                                                                                                                                                                     Sunction
                                                                               escaped
                                                                                                                                                                                                                                                                                         5
                                                     FOT
                                                                                                                                                                                                                   . a Sense
```

W

~

Sa/20": - , .

11,1/1/cszsz12 »

SI, s2! S3, s4!

<< 51 52 53 ... SN | C1 C2 (3 ... C, 10

SICIUSAC USOC O . . SOLO

\(\sisas3...\sin \) | c_1 c_2 c_3... C
 \(\sisplies \) \(\sisplies \) | c_1 c_2 c_3... C
 \(\sisplies \) \(\sisplies \) \(\sisplies \) | c_1 c_2 c_3... C
 \(\sisplies \) \(\sisplies

SICISACZ SBC ... S(N-J) SN

LL SISAS 3 ... SN CLC2C3 LL

SIC, sac, SSC, ... SN

17 ST 2123 ... SN CICEC 3 ... CN CT

S(CN SAC S3C ... S(N-2)C S(N-1)C SNC1

>> 15 Es es o & 5 x x x x x 713

×5145 52 53 54 Var 1 SCC > Van SCC VAT ZVAT Case 225 B 1230A

7 S1 45 S25354) of 14 19 (18 autocomp

Fx SIS25354/ 75 of (19 autocomp)

S1; Ys . چې د 53 St. (2%) auto comp)

<u>چ</u> 53; 54;

95 4

S15253 D

1) is the delimiter.

Simply start @ delimiter & until Second delimits. It the amount move through string

Chen is odd -

16 Chars contour "(1; 'A«,1 × 59)"

Otherwise, Split mass

200

objects

Stictionanies. Ports ર્ગાહ Stacks Strings 7 in lo(ip); + creates in Isile; I creates a in [[] in pasho >> can empty sen internet 3 Sile string Steck 22

Math obj -> in/m[property]; -> mak object

Stack obje

in (CI) -s empty

in/ [0,1,2]; -> [3,2,3]

1 n | ["hello"]; -> ["Hello"]

2 %

771 / 255 · 81 sal, 14 1, 53/45,, 28 22/ *5 W y SISali, 3 82 82 99 SISTER 8 S3; ¥5 8 9 Helio 9 9 SI; Sa; 9 S3;¥5 Hello , FS Besore * ASter Exta processing reeded preprocesy, backticks Simply Joen change 68 Add OR) spaces Un compressor nicets world Hellb! Word, Hello, world! sa hiceks Hello, world! Helloworder Hello world Nice ¥s 32 = world Hello' SI = HOMO hice to (no spence) Hello world' Hells Hello Adter 33: hile

8 respons

[0, 2, 4, 6]

[Sizi: c+2] for i in range(0, (en(s), 2)]

S[2:4]

LL SCCS | Split LL

12 codes [joiners LL

The Preprocessor > Down

Implements the SSL (&<char>)

def preprocess (source):

Sinal = "

in_string = False

eocaped = False

for char in source:

15 char in " p 999, 4":

15 escapeal:

escapeal:

in_string = toggle (in-string) # 07 Not isstring

5113

GND

8,275 hat

elve:

s char == """:

15 escaped;

escaped = Folse

elis string type to "":

SSL-needed = Thue

Continue

else:

SSL_wedled = False

is ssc_needed:

fined to char

9

Sinal t= SSLICHARY
SSL headed = False



*		