F Special

1 spacelis

((\$15a/; -: [→ \$1, sa!

Special spaendu

Ll 5152 |, 1 LL S1, sa!

0[comment]

S1, 48 SA, 53.

1150 = 07

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

ab chars

SHI beer 13=Wall

Sa : on the 111 /5] = S# SI = Bottle

Strings (mcompressing) to stendard

Nothing, adready standard

9 :: 9 Add emt Chars Sporces betore after ٠. (that are valued see cher) 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

1 2

Normal chars & Sccs sen 17+2 . Takes standard

3

Ţ.

Spaceful Strings - Same but spaces after

 SCL_{2}

QS

about

spacesw Spaceless 1, ke Sccs Compressed postarolmos above, but with . only, ho spaces strings

Desco SALAS.

. 77

.

Special Compressed strings

ruedo q · Los

M

Points of contention:

* Sporces between sccs

String delimiters

langth

Hello, Dworld!

S1;, 17 sa;! → 9 + 2

New idea:

two types of strings

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

@ name - [esse] (... 0

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

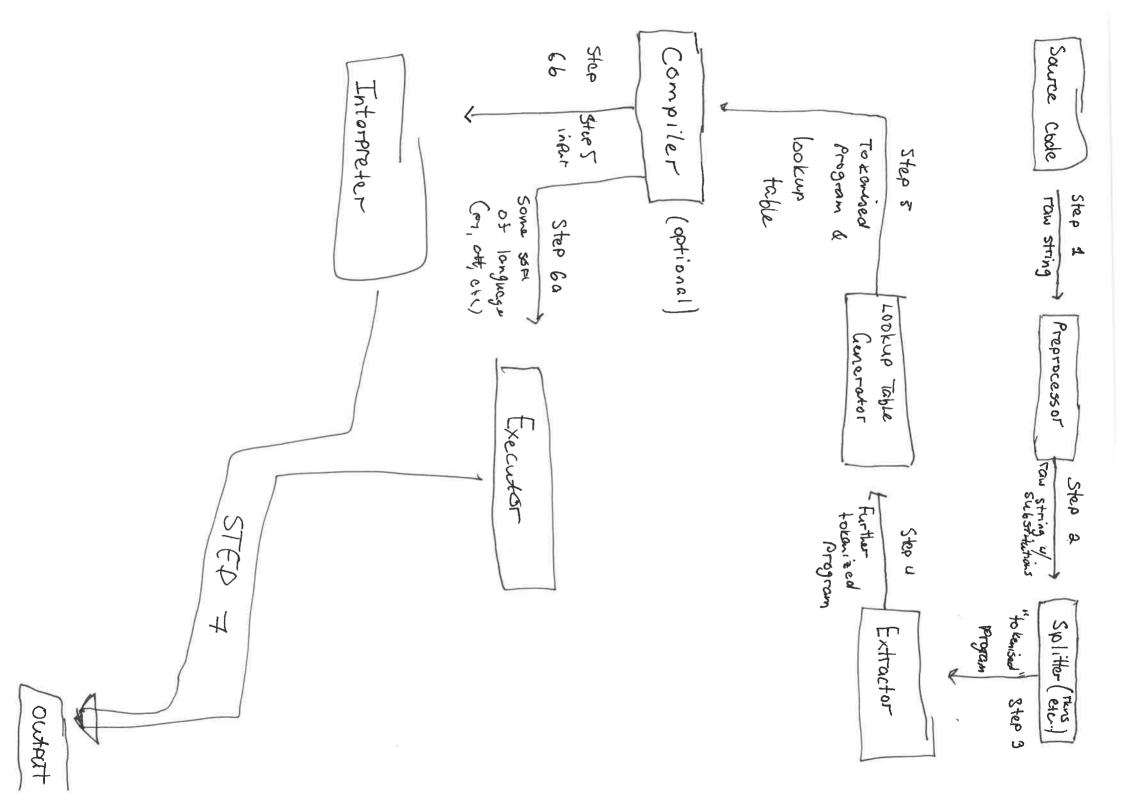
@[0|2]= >*([+1]=0/.Ti) 00 -3i | 1 AV @ # Returns 1 (is all litems in array are true

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 E9 Hello Un to impressed All strings turned "Hello" noon 83 = "hice" into printing, 3407 sa = "world" Standard strings (text ody) Companing ¥s = [31""] -> Hello Hello Aler defaut



A Library

Convert main stack items is to an array

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

Add all litems in array

QAAI ("/F) B

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

convert all items in array into # 16 possible GINAM representation

A 15 possib

@ A8 1]

[3,4] > V

[2,0] - x

[3] + 1

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 Servence with the corresponding to the SSL

> Zof Syntax Cleck (very light strings ŧ much

Doesnix replace:

escaped es Occurances in strings

五 Tokenizer

(uncompossor

ふす SOLHS Source

Replaces

SCC s

in strings

"Hotens"

Command Literal grups

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 "

		abodi - a a bod	eaxlj -> eaxj	eax; + eax	3 letter	
		axl; > ax;	व्यः न वर	/eax; > eax	2 letter	1XQ1810/0/2
×\., \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	lelax; neax	12 × 12 × 12 × 12 × 12 × 12 × 12 × 12 ×	$(a x) \rightarrow eax;$	le\a x; +eax	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 STSS X (\$)

<< 5152; ; 5354 ec

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?

Standard States

contained within

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

```
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.
                                                                                       = 1
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                      create var
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                                                                                      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;

-> System 15(ab;

; s/platsom; operating version Š

) 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 | Bip 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()[]"
                                                                                                                                                                                                                                                                                       data
                                                                                                                                  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 C3 ... Cy LC

SICIUSAC USOC O. SOLO

</p

510, 520, 530, 5(N-4) SN

LL SISAS3 ... SN C1C2C3 LL

SIC, sac, SSC, ... SN

LL SISIS3... SNICICICS...CN CE

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)"

Error.

Otherwise, Split inde los Eup 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 ampty

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 \$3;¥s 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 resoran

[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

Scr char in source:

15 char in "1" p 391, 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

fined to char

@ 15 SSL_headed:

Sinal to SSLICHARY
SSL hereded = False

Preprocess (source): des

Aired = 1111

String-times III

escaped = False

SSL-needed = fclise

Bor Char in Statule. CHARS:

is string type ===

is escaped:

escaped = false

else: String type = None

-> edisplacts string-type if excaped:

eccared = False

string-type s clar

= 11

Escapedatahe escaped: 4.

Standard/spaceless - spaceful

, stalta hello ٩. نه.

各本

volve

, (n),

Louled

4

" Lelvo"

\$1,52;

rewline + "."

word @ sa word @ si

(Charillangh) Char SS

"\" {char [(suc ";")}

Space or Jes & 3 Peplan

11 11 { < char> | ((scc) ";") | ("\ in \ chame) "

"\" {<chqr> | (<5cr> ";") | ("*" <nane> <nan-nave-char)} "\"

Compressed Spacesul Sy obesoult Special Space 1895 5 book Delimiter: 2 nd

EZ sisa! K > 51, 52

区3184 图 十31 8年

args are processed applied to 1 gut 180 that means

D F right that ags mean

... 2 £ = SC(4 4 ... 1 D: "Helly word 五五 Op

... I The SCK Part

Design:

¥ 5182

- .

60dy Format

29/10 Lo 50 > CN SCCs Body

Format

as standered expersosions Eseaping allow (keywords) List List

83 Q 5132 \" hi ' 4

Name:

data:

structures \$0 * 1:st

stone current section of

dictionario temporary list of

dictionary do+0

extract 4 subcalls

* | " |" @ #1/04 * Ent. (المراي) (matching FOR * Read imeocaped"] 4 Extract 1000 1 (Γ) until * And to list

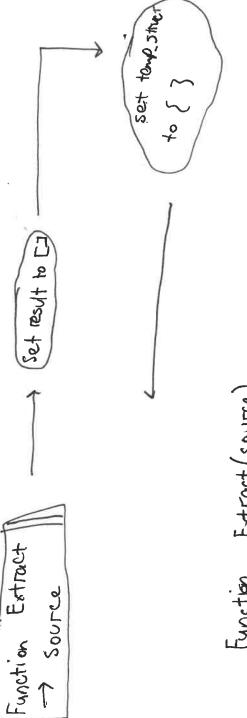
NO SPECIAL STRUCTURE

* Extract (hs & rhs

* Continue

5 * Ako

* Make dict as Add to list newled



Extract (source) Function Temp_struct = { }; temp = structures = C]

source; setutes is empty: structures H

mot escaped: "[[{@" If char in

Else

olata: char} Results. append (Ename: "cmd"

. Else, is that matches opening bracket at 105 -1 in shurt. Structures: pop()
If char =="3":

1hs 7 Ths

7

excaped = False Result = [];

For char in

Structures append (char)

74

红

71 2

75

73

God: "Hello world!"

Unamprosed

compressed, spaceless:

Compressed, spacesul:

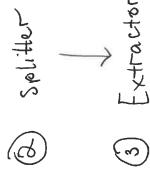
compressed, special, structure:

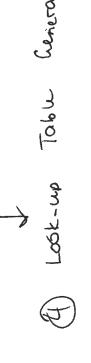
Compressed, special, constants

WATING IN LL

abejdetj og abe det abejd og abejd og abed abejd og abed i abed









(00)

(39)

\$1j, Saj! -> 11 9 51j 5aj 9 -> 8 (but me Punctlu

X STS X

[2] 51 Sal,! -> & Chars!

Space ful Strings

9 contents 9

spaceless strings, placed 2 like normal Spaces

Scc 3 .

Hello [[World!

31; [sa;!]
9 \$1; \$2;! 9

COTTESPON clay aster . SCC . Strings placed Q Compressed Single Char each seperator and | Seperators either Special | SCC 8 | Spacedul Examples Delimited 459ge: Sw S (no i) Serves

54 = 80the 1 BOH(es) World! = 23 14016 ** J* Sa = Warld 1: 9* (26) 51 52 l, ! [d] S1 sa[約] 图 51 = Hello \$0 = 5 \$ N

(4) 53 (2) - BOHUS

四 S4 (¥a 图→BoH15)

.. -> Standord (as-is / spaceless

SI; Sa; (+ SI, Sa!

9... 9 > standard (spacebul

51; Sa; 1 Sa; 1 Sa , Sa

... T SCL only (spaceloss

5152 > SISA

3, 2 SCC DMy (space 341)