**RYBE**

THE OFFICIAL REFERENCE

CONCEPT 1

FORMAT

Monospace font & Maximum of 96 characters per line (continuation on next line: Leave 8 spaces, start at the 9th space).

CONCEPT 2

VERSION

Sequel release version (SRV) (to Gold release version (GRV))

s1.1-[G1.1]

===========

s1.2-[G1.1]

Gold release version (GRV)

G1.1

====

CONCEPT 3

INFORMATION CREATION TECHNIQUE

GROTESC TECHNIQUE

=================

Element

=======

Frank:X

Grust:Y

Stream

======

XYXX>X

CONVENIENCE TECHNIQUES

UNICODE TECHNIQUE

=================

Elements

========

Unicode Character

Sequence

========

!uncd:Hello world!

CARDINE TECHNIQUE

=================

Elements

========

0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Sequence

========

!crdn:254145748544

CONCEPT 4

COMPUTER FUNDAMENTAL CAPABILITIES

SECTION 4.1

COMPUTER INFORMATION CREATION

crte infm [@InfoXXYZ] || XxxxxxxxxxxxxxxxxxxxxxxxxxX

|| @

|| System X

|| A || a || 0 || . || / || - || [ || ] || : || spce

|| First char: uppercase English alphabet

|| Max 48 characters

@InfoXXYZ.SIZE: gett

|| Yeld 1: Size (0:X - i:?)

~LAST: name [~InstXXYZ]

~InstXXYZ|&SYLD|!1

~InstXXYZ|&SYLD.CRDN: gett

|| Yeld 1: Cardinality (0:X - i:?)

~InstXXYZ|&SYLD|!\_@InfoXXYZ\_ || 1:X, 2:Y, 3:XX, 4:XY

|| Language-created elements

|| Programmer-created elements

@InfoXXYZ: grow [pstion(\*/pstion), stream(\*/stream)]

|| Stream

|| The concept of Seed.

|| Pstion: L1:XX>X, R1:XY>X, NN(NextPosition):YY-Y

|| Stream: YXXY, @Info>[L1 - R1], (@InfoX>[L1 - R1])

CODE REAPPLICATION

CREATION

===========

-1^^^^1-

s1.1:[G1.1]

--------

GRUPPPPP

--------

$NmeName

--------

This is a description.

-1----1-

..CLLC..

..SNPP..

-1\*\*\*\*1-

-1^^^^1-

s1.1:[G1.1]

--------

CLLCCLLC

--------

\_NmeName

--------

This is a description.

-1----1-

-2^^^^2-

BNDDDDDD

\*NmeName

-2----2-

........

-2\*\*\*\*2-

-2^^^^2-

FREEEEEE

\*NmeName

-2----2-

#SSED|!2733

#SSED|!2733.TYPE: gett

@SBJC

@SBJC: type

+Info: yeld

`THIS: sspn

-2\*\*\*\*2-

-1\*\*\*\*1-

<><><><>

-1^^^^1-

s1.1:[G1.1]

--------

SNPPPPPP

--------

\*NmeName

--------

This is a description.

-1----1-

........

-1\*\*\*\*1-

USAGE

$NmeName|\_NmeName|\*NmeName: exct [...]

$NmeName|\*NmeName: exct [...]

\_NmeName|\*NmeName: exct [...]

@InfoXYZ: prcs [\*NmeName, ..]

|| Yeld 1: Success

|| Yeld 2! Failure Reason || Return Reason

|| || TYPE 1

|| || Error-[.Cause:Grammar]: XX: Line 12: xxxx

|| || Error-[.Cause:Memory/Exhaustion: XY: Line 34

|| ||

|| || TYPE 2

|| || Suspended:X, Completed:Y

SECTION 4.2

COMPUTER INFORMATION CHANGING

@InfoXXYZ: bite [TargetStream:FirstElement:Position,

|| Elements:Cardinality]

|| Pstion: L1:XX>X, R1:XY>X

|| Elements:Cardinality: 1:X, 2:Y, 3:XX

|| @InfoXYZ>[L1 - R1], (@InfoXYZ>[L1 - R1])

SECTION 4.3

INFORMATION PRESERVATION

COMPUTER-STORAGE COMMUNICATION

CMST

SECTION 4.4

INFORMATION EXCHANGE

COMPUTER-ATTACHMENT COMMUNICATION

={CMPT ++ ATTC}|%XXXX.CPCT: gett

|| Yeld 1: Capacity

|| || 0:X, 1:Y, 2:XX, 3:XY, 4:YX

={CMPT ++ ATTC}|%XXXX: expn [...amount...]

|| Yeld 1: Success

|| || Failed:X, Succeeded:Y

={CMPT ++ ATTC}|%XXXX: fill [...stream...]

|| Yeld 1: Stream-[.Type:Putted].Length

|| || 0:X, 1:Y, 2:XX, 3:XY, 4:YX

={CMPT ++ ATTC}|%XXXX.OCCP: gett

|| Yeld 1: Occupancy

={CMPT ++ ATTC}|%XXXX: cntr [...amount...]

={CMPT ++ ATTC}|%YYYY.CPCT: gett

|| Yeld 1: Capacity

={CMPT ++ ATTC}|%YYYY.OCCP: gett

|| Yeld 1: Occupancy

={CMPT ++ ATTC}|%YYYY: read

|| Yeld 1: Stream

CONCEPT 5

INSTRUCTION CREATION COMPLETIION (& REPETIION)

CONDITIONAL (0/1)

ecnd (@InfoXXYZ>[L1 - R1] == @InfoXXYZ>[L1 - R1])| instruction x

==== Unless data is typed

==== &, |, and ()

ecnd (@InfoXXYZ>[L1 - R1] != @InfoXXYZ>[L1 - R1])| @

!2^^

instruction w

instruction x

instruction y

instruction z

!2\*\*

|| Divisioning (Creating divisions)

|| 2nd Degree Division

|| Introductory boundary

|| Terminal boundary

FATED (1)

eftd| instruction x

SELECTIONAL (1/1)

eslc| @

!2^^

eopt (@InfoXXYZ>[L1 - R1] != @InfoXXYZ>[L1 - R1])| @

!3^^

instruction w

instruction x

instruction y

instruction z

!3\*\*

eopt (@InfoXXYZ>[L1 - R1] != @InfoXXYZ>[L1 - R1])| @

!3^^

instruction w

instruction x

instruction y

instruction z

!3\*\*

!2\*\*

REPETITION

eftd| @

!2^^

instruction w xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

instruction x xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

!THIS: rpat || Division This

@InfoXXYZ.EXST: gett

|| Seed 1: Existence

@InfoXXYZ: dstr

^LAST/{\*}: dstr

|| Iteration:Last

|| Not applicable to premier (1st) repetition

!2\*\*

@InfoXXYZ.EXST: gett

CONCEPT 6

HARDWARE-SOFTWARE COMMUNICATION

HRSF

CONCEPT 7

HUMAN-COMPUTER COMMUNICATION

HMCM

**CONCEPT 8**

**COMMENT**

eftd| instruction x

eftd| instruction y

eftd| instruction z

|| This is a comment; it can be continued on a new line, with indentation

CONCEPT 9

INSTRUCTION SET GROUPING

CONCEPT 10

MULTITHREADING

Thread-[.Type:Giving]

Thread-[.Type:Giving .OType:Prmier]

Thread-[.Type:Taking]

Thread-[.Type:Giving .OType:Taking]

s1.1:[G1.1]

--------

+ThrdXYZ

--------

This is some description. This is some description.

This is some description. This is some description.

This is some description. This is some description.

--------

===== CRATION =====

>ThrdGrp1|>ThrdGrp2|+ThrdXXYZZ: clne [+\_@InfoXXYZ\_]

>ThrdXXYZ: clne [+\_@InfoX\_]

+\_@InfoX\_: clne [+\_@InfoX\_]

|| Yeld 1: Success

===== MEMORYY =====

+ThrdXXYZ|\_MMRY: expn [...amount...]

|| Yeld 1: Success

+ThrdXXYZ|\_MMRY.CPCT: gett

|| Yeld 1: Capacity

+ThrdXXYZ|\_MMRY.USED: gett

|| Yeld 1: Capacity

+ThrdXXYZ|\_MMRY: cntr [...amount...]

===== PRVLGES =====

+ThrdXXYZ: hnur [...prvlge...]

|| Seed 1: Privilege

|| || Information/Preservation: XX

|| || Information/Exchange: XY

|| || Communication-[.Type:{Hardware ++ Software}: YX

|| || Communication-[.Type:{Human ++ Computer}: YY

+ThrdXXYZ|?PRVL: gett

|| Yeld 1: Privileged

|| || NotPrivileged:X, Privileged:Y

|| Yeld 2! Privilege

+ThrdXXYZ: strp [...prvlge...]

===== EXCTION =====

+ThrdXXYZ: exct [...period...]

|| Seed 1: Periodd (Planck)

|| || 1:Y, 2:XX, 3:XY, 4:YX, 5:YY, .., Endlessly:X

|| || 1:1, 1:2, 1:4, 1:8, 1:16, 1:32, 1:64, 1:128

|| Yeld 1: Success

|| Yeld 2! Failure:Reason

|| || Error-[.Cause:Grammar]: XX: Line 12: xxxx

|| || Error-[.Cause:Memory/Exhaustion: XY: Line 34

===== CMMNCTN =====

+ThrdXXYZ|%XXXX: expn [...amount...]

|| Yeld 1: Success

+ThrdXXYZ|%XXXX.CPCT: gett

|| Yeld 1: Capacity

+ThrdXXYZ|%XXXX: fill [...stream...]

|| Yeld 1: Stream-[.Type:Putted].Length

|| || 0:X, 1:Y, 2:XX, 3:XY, 4:YX

+ThrdXXYZ|%XXXX.OCCP: gett

|| Yeld 1: Occupancy

+ThrdXXYZ|%XXXX: cntr [...amount...]

+ThrdXXYZ|%YYYY.CPCT: gett

|| Yeld 1: Capacity

+ThrdXXYZ|%YYYY.OCCP: gett

|| Yeld 1: Occupancy

+ThrdXXYZ|%YYYY: read

|| Yeld 1: Stream

===== FGRTION =====

+ThrdXXYZ: fgrt

|| Yeld 1: Success

|| Yeld 2! Figure

===== CRATION =====

crte thrd [+ThrdXXYZ, @InfoXY]

===== TRNSFER =====

+ThrdXXYZ: trns [$ThrdXY]

+ThrdXXYZ.OWNR: gett

|| Yeld 1: Ownership

-2^^^^2-

xxxxxxxx

xxxxxxxx

xxxxxxxx

xxxxxxxx

-3^^^^3-

xxxxxxxx

xxxxxxxx

-3\*\*\*\*3-

-2\*\*\*\*2-

-2^^^^2-

xxxxxxxx

xxxxxxxx

xxxxxxxx

xxxxxxxx

-2\*\*\*\*2-

-2^^^^2-

xxxxxxxx

xxxxxxxx

xxxxxxxx

xxxxxxxx

-2\*\*\*\*2-

===== MEMORYY =====

+ThrdXXYZ|\_MMRY.CPCT: gett

|| Yeld 1: Capacity

+ThrdXXYZ|\_MMRY.USED: gett

|| Yeld 1: Capacity

===== PRVLGES =====

+ThrdXXYZ|?PRVL: gett

|| Yeld 1: Privileged

|| || NotPrivileged:X, Privileged:Y

|| Yeld 2! Privilege

===== CMMNCTN =====

+ThrdXXYZ|%XXXX.CPCT: gett

|| Yeld 1: Capacity

+ThrdXXYZ|%XXXX.OCCP: gett

|| Yeld 1: Occupncy

+ThrdXXYZ|%XXXX: read

|| Yeld 1: Stream

+ThrdXXYZ|%YYYY: expn [...amount...]

|| Yeld 1: Success

+ThrdXXYZ|%YYYY.CPCT: gett

|| Yeld 1: Capacity

+ThrdXXYZ|%YYYY: cntr [...amount...]

+ThrdXXYZ|%YYYY: fill [...stream...]

|| Yeld 1: Stream-[.Type:Putted].Length

|| || 0:X, 1:Y, 2:XX, 3:XY, 4:YX

+ThrdXXYZ|%YYYY.OCCP: gett

|| Yeld 1: Occupncy

===== TRNSFER =====

+ThrdXXYZ: trns [$CRTR]