

Script=CJK,BoldFont=SimHei,ItalicFont=KaiTiSimSun

2019-04-18

Script=CJK,BoldFont=* BoldMicrosoft YaHei

1

1.1

/ / /

1.2

2

2.1

2.1.1

2.1.2

2.2

2.3

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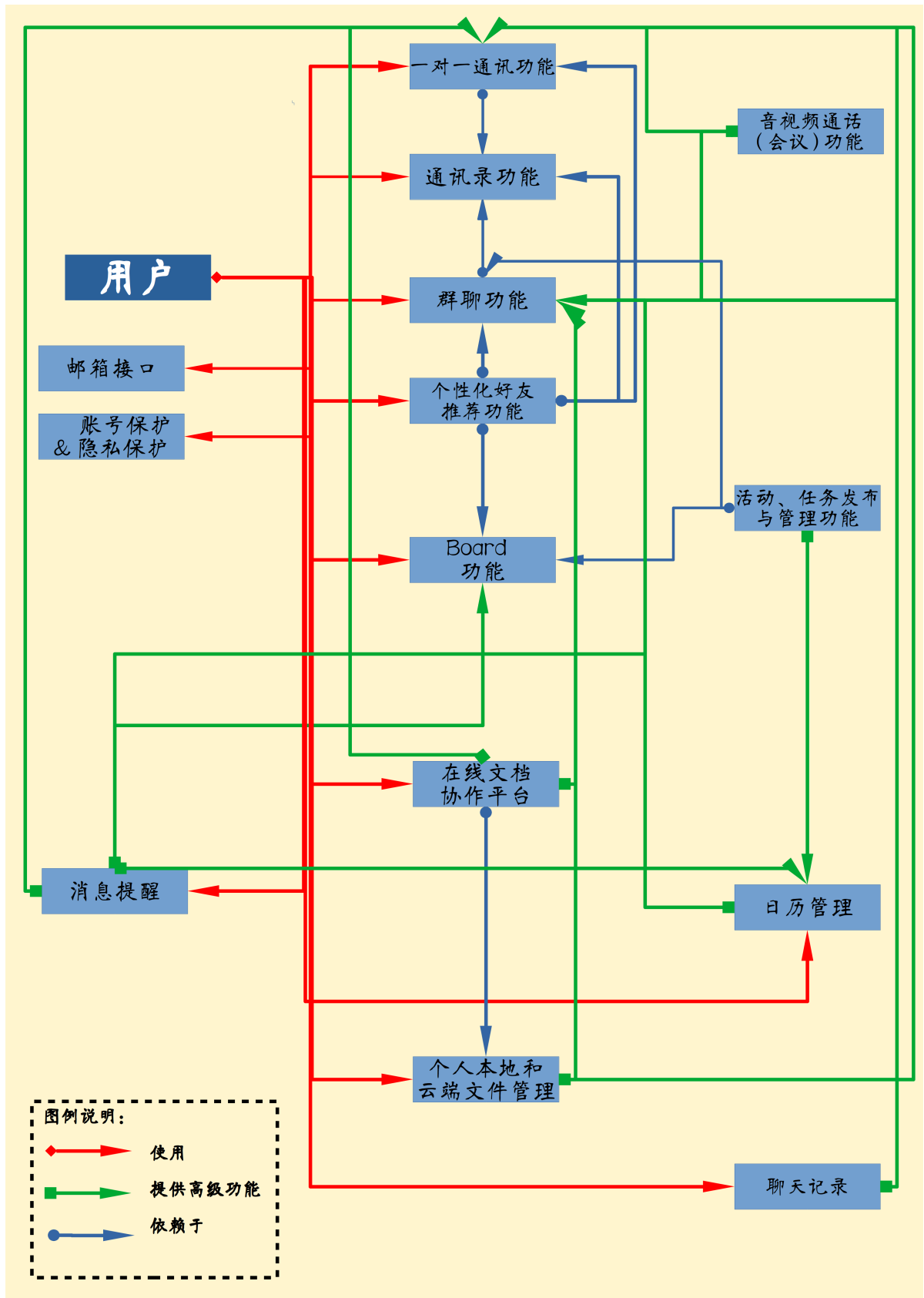
2.4

- Android IOS Windows Linux
-

Board

Board

-
-



2.1

3

3.1

3.1.1 R.INTF.CALC.001:

3.1.1.1

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3.1.1.2

3.1.1.3

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3.1.1.4

3.1.2 R.INTF.CALC.002:

3.1.2.1 R.INTF.CALC.002.1:

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- “ ”
- “ ”
- “ ” “ ”
- “ / ” “ ”
- “ ”
- “ ”

3.1.2.2 R.INTF.CALC.002.2:

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3.1.2.3 R.INTF.CALC.002.3:

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“ ”

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- - GPS
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3.1.3 R.INTF.CALC.003: /

3.1.3.1

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3.1.3.2

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3.1.3.3

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3.1.3.4

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3.1.4 R.INTF.CALC.004: ()

3.1.4.1

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3.1.4.2

“ ” “ ”

“ ” “ ”

“ ”

3.1.4.3

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3.1.4.4

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3.1.5 R.INTF.CALC.005:

3.1.5.1 R.INTF.CALC.005.1:

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“ ”

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“ ” “ ”

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“ ”

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“ ”

“ ”

“ ”

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- ### 3.1.5.2 R.INTF.CALC.005.2:

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- 15

3.1.5.3 R.INTF.CALC.005.3:

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“ ” “ ” “ ”

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“ ”

3.1.6 R.INTF.CALC.006:

3.1.6.1

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- txt xls

3.1.6.2

“ ” “ ” “ ”

3.1.6.3

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3.1.6.4

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3.1.7 R.INTF.CALC.007:

3.1.7.1

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3.1.7.2

3.1.7.3

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3.1.7.4

3.1.8 R.INTF.CALC.008: Board()

Board

3.1.8.1

:

- Board
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- Board
- Board

3.1.8.2

- “Board” Board
- Board “ ”
- Board “ ” “ ”
- Board Board

3.1.8.3

- Board
- Board

3.1.8.4

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- Board

3.1.9 R.INTF.CALC.009:

3.1.9.1

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3.1.9.2

3.1.9.3

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3.1.9.4

3.1.10 R.INTF.CALC.010:

3.1.10.1

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3.1.10.2

“ ”

3.1.10.3

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3.1.10.4

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3.1.11 R.INTF.CALC.011:

3.1.11.1

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3.1.11.2

3.1.11.3

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3.1.11.4

3.1.12 R.INTF.CALC.012:

3.1.12.1

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3.1.12.2

- “ ”

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3.1.12.3

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3.1.12.4

3.1.13 R.INTF.CALC.013:

3.1.13.1

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3.1.13.2

3.1.13.3

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-
-

3.1.13.4

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-
-

3.1.14 R.INTF.CALC.014:

3.1.14.1

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-

3.1.14.2

3.1.14.3

-
-

3.1.14.4

3.2

3.2.1

3.2.1.1

- 1 PC 1 - 50

3.2.1.2

- 1000

3.2.1.3

- ≥ 10000 ≥ 1000000 ≥ 1000 ≥ 500000
- ≤ 50 ≤ 20 ≤ 10 ≤ 50
- ≥ 100000 ≥ 10000000 ≥ 10000 ≥ 5000000
- ≤ 500 ≤ 200 ≤ 100 ≤ 500

3.2.1.4

- $\leq 10\text{GB}$

3.2.1.5

()

- ≤ 15
- $\geq 10^8$

3.2.1.6

($\geq 10\text{KB/s}$) $\leq 0.30\text{s}$

3.2.1.7

($\geq 10\text{KB/s}$) $\leq 0.15\text{s}$

3.2.1.8

IOS WindowsPC Linux

3.2.1.9

$\leq 256\text{MB}$, $\leq 512\text{MB}$

3.2.2

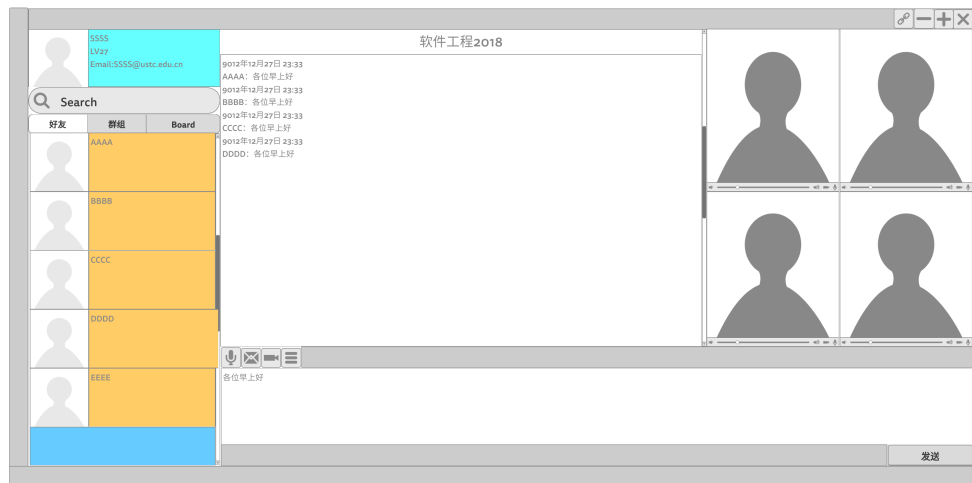
10s

10s

$\leq 0.1\text{s}$

10000

60s



3.1 (PC)

3.3

3.3.1

3.3.2

3.3.2.1

1. Android 4.0 IOS 6
2. JAVA
3. Eclipse IDE 2019-03

3.3.2.2 PC

1. Windows7 Linux4.1.0 IOS 6
2. JAVA
3. Eclipse IDE 2019-03

3.3.2.3

3.3.3

3.3.3.1

1. MSM800 Exynos5433 HelioX10 A8
2. 512MB

3.3.3.2 PC

1. Intel® Core™ i5
2. 512MB

3.3.4

TCP RFC793 <https://tools.ietf.org/html/rfc793>

4

4.1

GNU General Public License v3.0

4.2

4.2.1

1. MSM800 Exynos5433 HelioX10 A8
2. 512MB

4.2.2 PC

1. Intel® Core™ i5
2. 512MB

4.3

Oracle 18.3

- 1.
- 2.

5

5.1

5.2

5.3

5.4

5.5

5.6

5.7

5.8

5.9

5.10

5.11

10KB/s

6

6.1

Unicode JAVA 40%

6.2

:

- 1.
- 2.
- 3.

- 1.
- 2.

6.3

/

6.4

Oracle18.3

6.5

- 1.
- 2.
- 3.

- 1.
- 2.

3.

1. Board

2.

3.

4.

5.

1.

2.

3.

4.

6.6

() ()

7

7.1

ID			
001	(R.INTF.CALC.009)	(R.INTF.CALC.001)	
002	(R.INTF.CALC.009)	(R.INTF.CALC.002)	
003	(R.INTF.CALC.009)	(R.INTF.CALC.005)	
004	(R.INTF.CALC.009)	Borad (R.INTF.CALC.008)	
005	(R.INTF.CALC.001)	(R.INTF.CALC.005)	
006	(R.INTF.CALC.002)	(R.INTF.CALC.005)	
007	(R.INTF.CALC.010)	(R.INTF.CALC.013)	
008	/	Borad (R.INTF.CALC.008)	/
009	/	(R.INTF.CALC.002)	/
009	(R.INTF.CALC.014)		

8

8.1

ID		
R.INTF.CALC.001		
R.INTF.CALC.002		
R.INTF.CALC.003	/	
R.INTF.CALC.004	()	
R.INTF.CALC.005		
R.INTF.CALC.006		
R.INTF.CALC.007		
R.INTF.CALC.008	Board()	
R.INTF.CALC.009		
R.INTF.CALC.010		
R.INTF.CALC.011		
R.INTF.CALC.012		
R.INTF.CALC.013		
R.INTF.CALC.014		

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•

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9

9.1

ID		(H/M/L)				(Open/Close)
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A

A.1

IOS Windows

Linux Intel JAVA Eclipse

A.2

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A.3

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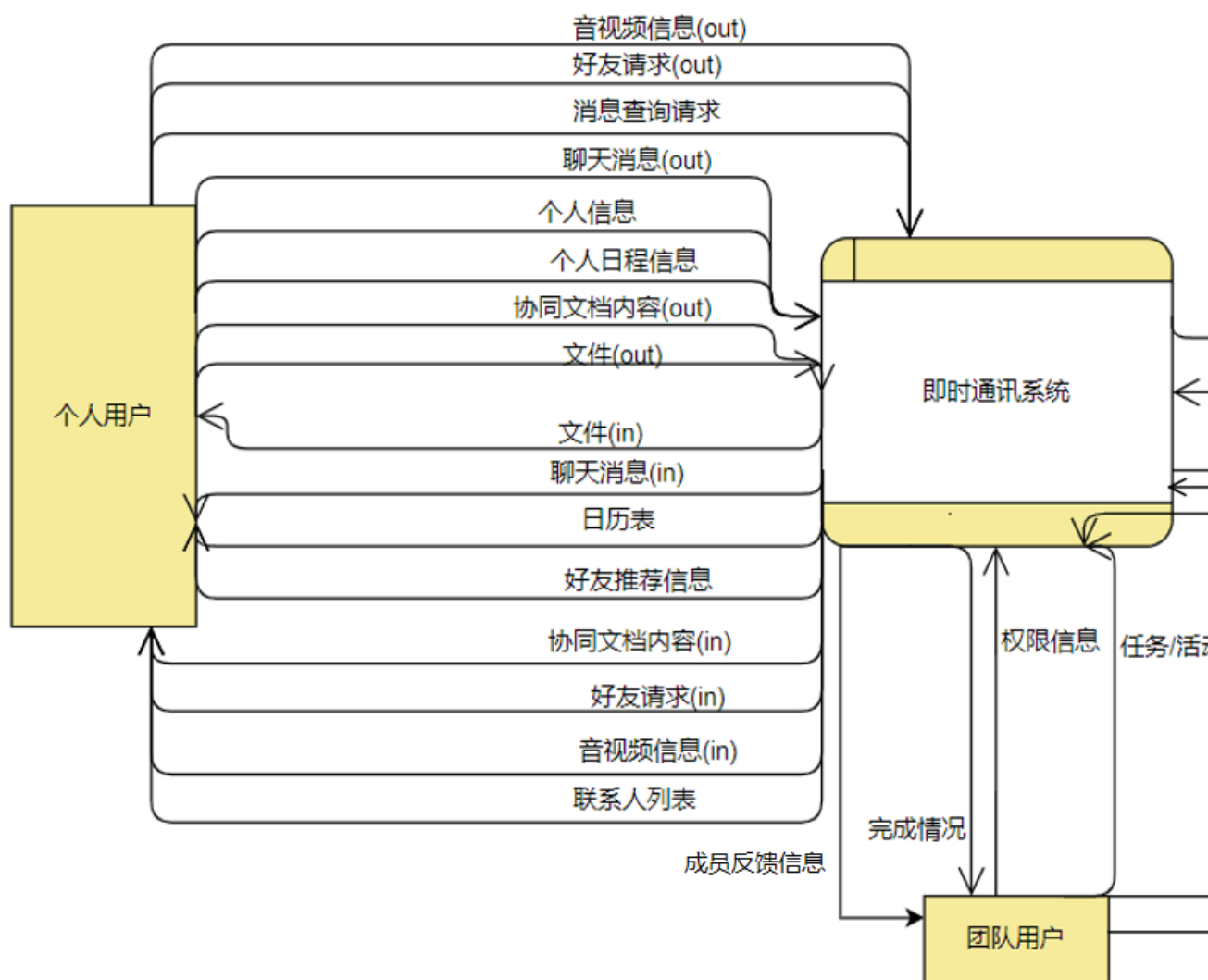
•

A.4

B

B.1

B.1.1



B.1

B.1.2

B.2

B.2.1

B.2.1.1 (out)

-
-
- (out) = [(out) | (out) | |]
-

B.2.1.2 (in)

-
-
- (in) = [(in) | (in) | |]
-

B.2.1.3 (out)

-
-
- (out) = [| | |]
- {char}

B.2.1.4 (in)

-
-
- (in) = [|]
- char

B.2.1.5 (out)

-
-
- (out) = + {char image} +
- = {0...9}
= time

B.2.1.6 (in)

-
-
- (in) = + {char image} +
- = {0...9}
= time

B.2.1.7

-

-
- - = + +
 -
 - = {0...9}
 - = [time | {char}]

B.2.1.8 (out)

-
-
- (out) = + +
-
- = {0...9}
- =
- = time

B.2.1.9 (in)

-
-
- (out) = + +
-
- = {0...9}
- =
- = time

B.2.1.10 (out)

-
-
- (out) = + + +
- - = {0...9}
 - = {char, image}
 - = time
 - = {char}

B.2.1.11 (in)

-
-
- (out) =
- - = {char image}

B.2.1.12

-
-
- = +
- - = {0...9}
 - = [| | | |]

B.2.1.13

-
-
- = +
- = {0...9}
= { + }

B.2.1.14

-
-
- = { + }
- = time
= {char}

B.2.1.15

-
-
- = +
- = {0...9}
=

B.2.1.16

-
-
- $= \{ \quad \}$
- $=$

B.2.1.17 /

-
-
- $/ = \{ \quad + [\quad | \quad] + \quad \}$
- $=$
 $= \{\text{char, image}\}$
 $= \{\text{char, image}\}$
 $= \text{time}$

B.2.1.18

-
-
- $=$
 $= [\quad | \quad]$
 $= \{ \quad \}$

-
- = {0...9}

B.2.1.19

-
-
- = { + }
- = {0...9}
= {char}

B.2.1.20

-
-
- = + { + }
- = time
= {0...9}
= float

B.2.1.21

-
-
- = { + + }

-
- = {0...9}
= {char, image}
= time

B.2.1.22

-
-
- = { + + }
= { + }
= { + + + }
- = {0...9}
= {char}
= {char}
= {char}
= time
= time

B.2.1.23

-
-
- = { }
- =

B.2.1.24

-
-
- $= \{ \quad \}$
- $=$

B.2.1.25

-
-
- $= \{ \quad + \quad + \quad \}$
- - $= \{\text{char}\}$
 - $= \text{time}$
 - $= \{\text{char}\}$

B.2.1.26

-
-
- $= \{ \quad + \quad \}$
- - $= \{0\dots9\}$
 - $=$

B.2.1.27

-
-
- $= \{ \quad + \quad \}$
- $= \{0\dots9\}$
 $=$

B.2.1.28

-
-
- $= \{ \quad + \quad + \quad \}$
- $= \{0\dots9\}$
 $= \{\text{char}\}$
 $=$

B.2.1.29

-
-
- $= \{ \quad + \quad + \quad \}$
- $= \{0\dots9\}$
 $= \{\text{char}\}$

=

B.2.1.30

-
-
- $= \{ \quad + \quad \}$
- $= \{0\dots9\}$
 $=$

B.2.1.31

-
-
- $= \{ \quad + \quad \}$
- $= \{0\dots9\}$
 $=$

B.2.1.32

-
-
- $= \{ \quad + \quad + \quad \}$
- $= \{0\dots9\}$

=

B.2.1.33

-
-
- $= + \{ + \}$
- $= \{0\dots9\}$
 $= \text{time}$
 $= \{\text{char}\}$

B.2.1.34

-
-
- $= \{ + \}$
- $= \{0\dots9\}$
 $=$

B.2.1.35

-
-
- $= \{ + + \}$

-
- = {0...9}
=

B.2.1.36

-
-
- = + { + }
- = {0...9}
= time
= {char}

B.2.1.37

-
-
- = + { + }
- = {0...9}
= time
= {char}

B.2.1.38

-
-

- $\quad = \quad + \quad +$

- $\quad = \{0\dots 9\}$
 $\quad = \text{time}$
 $\quad = \{\text{char}\}$

B.2.1.39

-
-
- $\quad = \quad + \quad + \quad +$
- $\quad = \{0\dots 9\}$
 $\quad = \text{time}$
 $\quad = \{[\text{char}, \text{image}]\}$

B.2.1.40

-
-
- $\quad = \quad + \quad + (\quad)$
- $\quad = \{0\dots 9\}$
 $\quad = \{\text{char}\}$

B.2.1.41

-

-
- - = + + +
 -
 - = {0...9}
 - = time
 - = {[char, image]}

B.2.1.42

-
-
- = +
-
- = {char, image}
- = time

B.2.1.43

-
-
- = +
-
- = {char, image}
- = time

B.2.1.44

-
-
- $= \{ \quad + \quad \}$
- $= \{0\dots9\}$
 $= \{\text{char}\}$

B.2.2

B.2.2.1

-
- D1
- $[\quad , \quad]$
- $[\quad , \quad]$
- $\quad +$
 $\quad +$
 $\quad +$
 $\quad + (\quad) + \quad +$

B.2.2.2

-
- D2
- $[\quad]$
- $[\quad]$

$$\begin{array}{c} \bullet \qquad \qquad \qquad + \\ \qquad \qquad \qquad + \\ \qquad \qquad + \\ +(\) + \quad + \end{array}$$

B.2.2.3

$$\begin{array}{c} \bullet \\ \bullet \quad D3 \\ \bullet \quad [\quad] \\ \bullet \\ \bullet \qquad \qquad \qquad + \quad + \\ \qquad + \quad + \quad + \end{array}$$

B.2.2.4

$$\begin{array}{c} \bullet \\ \bullet \quad D4 \\ \bullet \quad [\quad] \\ \bullet \quad [\quad] \\ \bullet \\ \qquad +[\quad] + \quad + \quad + \quad + \quad + \end{array}$$

B.2.2.5

$$\bullet$$

- D5
- [,]
-
- +
+ + + + +

B.2.3

B.2.3.1

-
- [(in),]
- [(out),]
-
-

B.1

Script=CJKFangSong

```

1  IF (          ) :
2
3
4
5
6  IF (          )
7
8  ELSE
9
10
11
12 IF (          ) :
13
14
15     IF (          )
16
17     ELSE IF (          )
18
19
20     ELSE
```

21	
22	
23	

B.2.3.2

-
- []
-
-
- :

B.2

1	IF () :
2	
3	
4	IF () :
5	
6	
7	

B.2.3.3

-
- []
- []
-
- :

B.3

1	IF ()
2	
3	IF ()

```

4
5     ELSE:
6
7
8
9 ELSE (
10     FOR (    in    )
11
12
13         IF (    )
14
15
16
17     FOR (    in    )
18
19
20

```

B.2.3.4

-
- []
- []
-
- :

B.4

```

1 IF (    )
2     IF (    )
3
4
5     ELSE IF (    )
6
7
8     ELSE IF (    )
9
10
11     ELSE IF (    )
12
13
14 IF (    )
15
16
17 IF (    )

```

```

18
19 IF (
20
21
22 IF (
23
24
25
26 IF (
27

```

B.2.3.5

-
- [(out) (out)]
- [(in) (in)]
-
- :

B.5

```

1 IF (
2   IF (
3
4   ELSE
5
6
7 ELSE IF (
8
9   IF (
10
11 ELSE IF (
12
13
14 ELSE IF (
15

```

B.2.3.6

-
- [(out)]

-
- [(in)]
 -
 - :

B.6

```

1 IF(      )
2     IF(      )
3
4     ELSE
5
6 ELSE IF(      )
7
8 ELSE IF(      )
9
10
11 ELSE IF(      )
12
13
```

B.2.3.7

-
- [(out)]
- [(in)]
- /
- :

B.7

```

1 IF(      )
2
3 ELSE IF(      )
4
5
6
7
8 ELSE IF(      )
9
10
11
```

```
12  
13 ELSE IF (      )  
14  
15  
16  
17
```

B.2.3.8

-
-
-
-
-

B.8

```
1 IF (      )  
2  
3  
4
```

