

Script=CJK,BoldFont=SimHei,ItalicFont=KaiTiSimSun

2019-04-18

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Script=CJK,BoldFont=* BoldMicrosoft YaHei

1

1.1

/ / /

1.2

1.1

GB/T	GB/T	
ISO	International Organization for Standardization	
CCC	China Compulsory Certification	
SCSI	Small Computer System Interface	
DCE	Digital Circuit-terminating Equipment	
DTE	Data Terminal Equipment	
IAP	Internet Access Provider	

2

2.1

2.1.1

2.1.2

2.2

2.3

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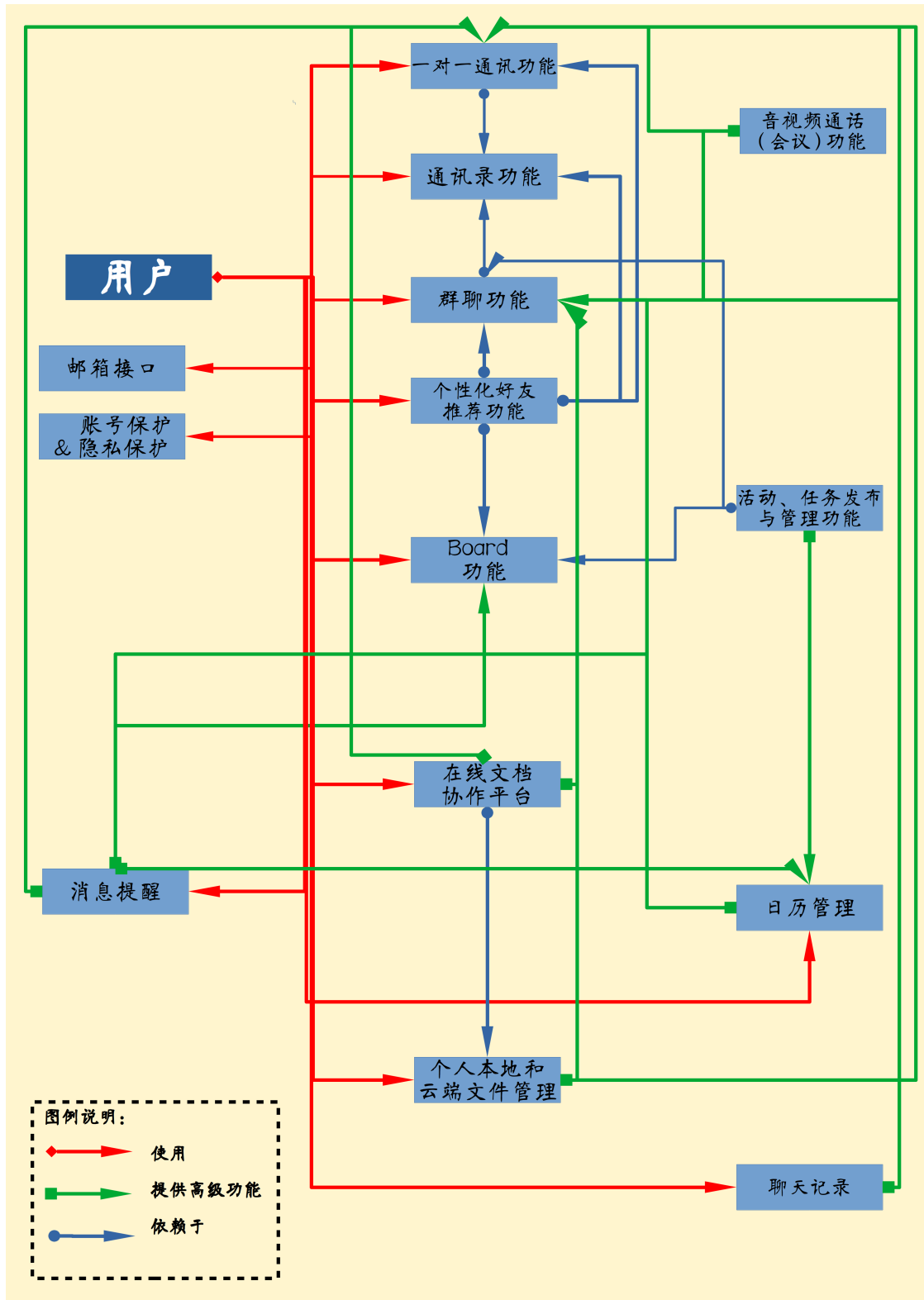
2.4

- 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

4096

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

3.1.2.2 R.INTF.CALC.002.2:

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4096

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3.1.2.3 R.INTF.CALC.002.3:

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“ ”

-
- - GPS
 -
 -
 -

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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-
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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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 -
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3.1.5.2 R.INTF.CALC.005.2:

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- “ ”
- “ ” “ ”
- “ ”
- “ ”
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3.1.5.3 R.INTF.CALC.005.3:

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“ ” “ ” “ ”

-
-

“ ”

3.1.6 R.INTF.CALC.006:

3.1.6.1

:

-
- txt xls

3.1.6.2

“ ” “ ” “ ”

3.1.6.3

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-
-

3.1.6.4

-
- 4GB

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
-
- Board
- Board

3.1.8.2

- “Board” Board
- Board “ ” 32MB
- Board “ ” “ ”
- Board Board

3.1.8.3

- Board
- Board

3.1.8.4

-
- 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

“ ”

4GB

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

- “ ”

- 4096

-

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

4GB

3.1.13.3

-
-
-

3.1.13.4

-
-
-

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

- $\leq 4\text{GB}$

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

3.3

3.3.1



3.1 (PC)

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 :

1. ISO 8601 Data elements and interchange formats -Information interchange - Representation of dates and times
2. GB/T 13702-1992
3. GB/T 19003-2008
4. GB/T 15538-1995
5. GB/T 9385-2008
6. GB/T 18221-2000
7. GB/T 5532-2008
8. GB/T 8567-2006

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		

•

•

•

9

9.1

ID		(H/M/L)				(Open/- Close)
R.INTF.CALC.001		H			–	Open
R.INTF.CALC.004		M			–	Open
R.INTF.CALC.010		M			–	Open
R.INTF.CALC.013		M			–	Open

A

A.1

IOS Windows

Linux Intel JAVA Eclipse

A.2

,

A.3

•

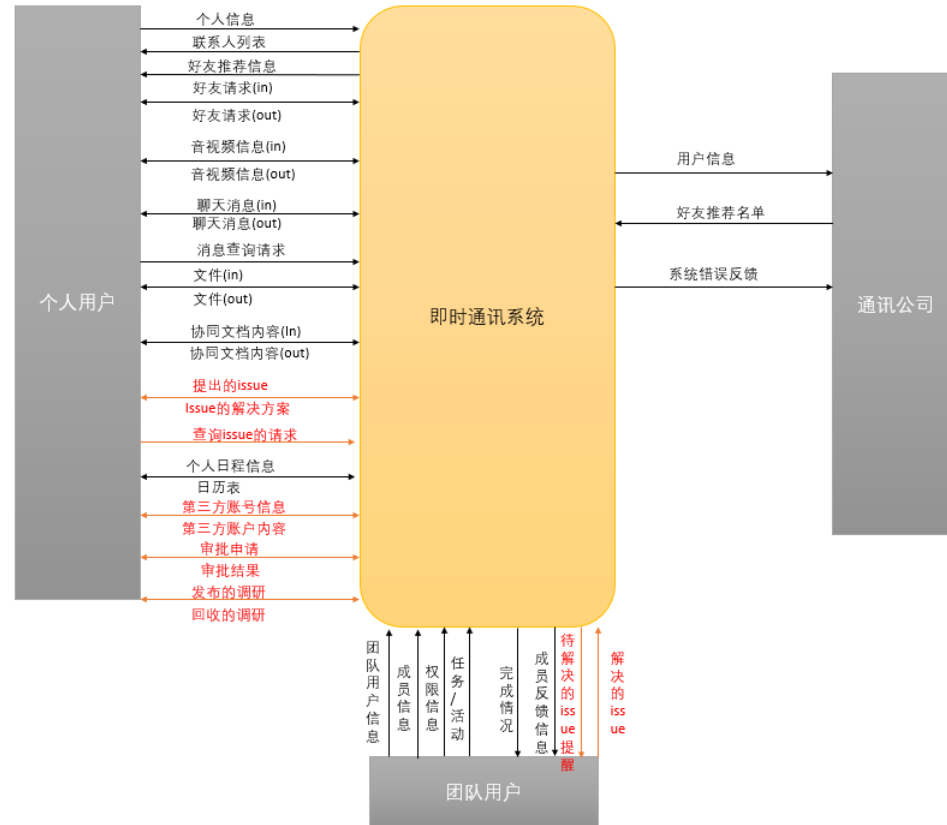
•

A.4

B

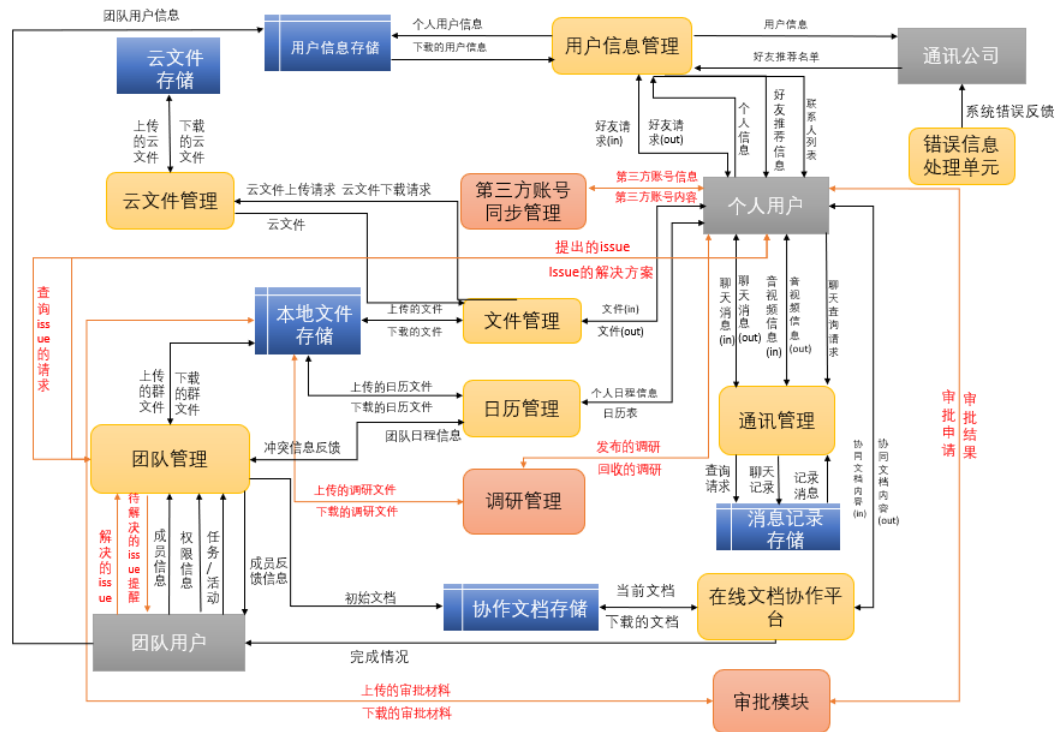
B.1.1

B.1



B.1

B.1.2



B.2

B.2.1

B.2.1.1

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

B.2.1.2

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

B.2.1.3

-
-
- = + +

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

B.2.1.4

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

B.2.1.5 **issue**

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

B.2.1.6 **issue**

-

-
- - $\text{issue} = \text{ } + [\text{issue} \mid \text{issue}]$
 -
 - $= \{0\dots9\}$
 - $\text{issue} = \{0\dots9\}$
 - $\text{issue} = \{\text{char}\}$

B.2.1.7 **issue**

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

B.2.1.8

-
-
- $= + + + +$
-
- $= \{\text{char}\}$
- $= [\text{ } \text{ } \mid \text{ } \text{ }]$
- $= \{ \ }$
- $= \{0\dots9\}$
- $=$

= time

B.2.1.9

-
-
- = +
- = {char}
=

B.2.1.10

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

B.2.1.11

-
-
- = + +

- $$= \{0 \dots 9\}$$

$$= \{0 \dots 9\}$$

$$=$$

B.2.1.12

-
-
- $$= \quad + \quad + \quad + \{ \quad \}$$
- $$= \{0 \dots 9\}$$

$$= \{0 \dots 9\}$$

$$= \{0 \dots 9\}$$

$$=$$

B.2.1.13

-
-
- $$= \quad + \quad + \quad + \{ \quad \}$$
- $$= \{0 \dots 9\}$$

$$= \{0 \dots 9\}$$

$$= \{0 \dots 9\}$$

$$=$$

B.2.1.14 **issue**

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

B.2.1.15 **issue**

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

B.2.1.16 (out)

-
-
- $(\text{out}) = [(\text{out}) | (\text{out}) | |]$
-

B.2.1.17 (in)

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

B.2.1.18 (out)

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

B.2.1.19 (in)

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

B.2.1.20 (out)

-
-

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

B.2.1.21 (in)

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

B.2.1.22

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

B.2.1.23 (out)

-
-
- (out) = + +

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

B.2.1.24 (in)

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

B.2.1.25 (out)

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

B.2.1.26 (in)

-

-
- - $(\text{out}) =$
 -
 - $= \{\text{char image}\}$

B.2.1.27

-
-
- $= +$
-
- $= \{0...9\}$
- $= [\quad | \quad | \quad | \quad | \quad]$

B.2.1.28

-
-
- $= +$
-
- $= \{0...9\}$
- $= \{ \quad + \quad \}$

B.2.1.29

-
-

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

-

$= \text{time}$

$= \{\text{char}\}$

B.2.1.30

-

-

- $= +$

-

$= \{0...9\}$

$=$

B.2.1.31

-

-

- $= \{ \text{ } \}$

-

$=$

B.2.1.32 /

-

-

- $/ = \{ + [\text{ } | \text{ }] + \text{ } \}$

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

B.2.1.33

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

B.2.1.34

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

B.2.1.35

-

-
- - $= + \{ + \}$
 -
 - $= \text{time}$
 - $= \{0\dots 9\}$
 - $= \text{float}$

B.2.1.36

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

B.2.1.37

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

= {char}

= {char}

= time

= time

B.2.1.38

•

•

• = { }

• =

B.2.1.39

•

•

• = { }

• =

B.2.1.40

•

•

• = { + + }

•

= {char}

= time

= {char}

B.2.1.41

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

B.2.1.42

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

B.2.1.43

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

B.2.1.44

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

B.2.1.45

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

B.2.1.46

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

B.2.1.47

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

B.2.1.48

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

B.2.1.49

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

B.2.1.50

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

B.2.1.51

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

B.2.1.52

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

= {char}

B.2.1.53

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

B.2.1.54

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

B.2.1.55

-
-
- = + + ()

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

B.2.1.56

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

B.2.1.57

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

B.2.1.58

-
-
- = +

-
- = {char, image}
= time

B.2.1.59

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

B.2.2

B.2.2.1

-
- D1
- [,]
- [,]
- +
+
+
+()+ +

B.2.2.2

-

-
- D2
 - []
 - []
 - +
+
+
+()+ +

B.2.2.3

-
- D3
- []
-
- + +
+ + +

B.2.2.4

-
- D4
- []
- []
-
- +[]+ + + + +

B.2.2.5

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	