

あ“あ・い()あ Ryumin-Light
あ“あ・い← IPA明朝 (ipam)
あ“あ・い← KozMinPr6N-Regular
あ“あ・い← IPA P明朝 (ipamp)
あ 123 \relax

ここからは、欧文文字フォントは IPA EX ゴシック

文字範囲の代入/取得テスト

「ô」は9番の文字範囲なので、和文扱いのはず
iso8859-1 和文扱い:0 § ¶ ° £ ¥ ô
iso8859-1 欧文扱い:1 § ¶ ° £ ¥ ô
標準:1 § ¶ ° £ ¥ ô

文字範囲の状況取得

010

文字コード 文字範囲

-1689-1217

あ あ1 ← CFFFF 欧文扱いあ あ0 ← CFFFF 和文扱い

Ticket #25121

あいうえお か き く け こ さ し す せ そ a
あいうえお か き く け こ さ し す せ そ
あいうえお さ し す せ そ

以下は JFM グルー挿入検証

JA-JA (penなし)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt
		B glyph 256 あ 63 (8.8+1.2)x10.0
あ	ア	6 kern 1 20.0pt (from JFM: priority 0)
		B glyph 256 ア 63 (8.8+1.2)x10.0
<hr/>		
		F glue 0 9.4pt plus 2.3pt minus 4.5pt
		B glyph 256 あ 63 (8.8+1.2)x10.0
あい		9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		B glyph 256 い 63 (8.8+1.2)x10.0
<hr/>		
		F glue 0 9.4pt plus 2.3pt minus 4.5pt
		B glyph 256 あ 63 (8.8+1.2)x10.0
あ	ウ	6 glue 0 14.1pt (from JFM: priority 0)
		B glyph 256 ウ 63 (8.8+1.2)x10.0
<hr/>		
		B glyph 256 い 63 (8.8+1.2)x10.0
い	ア	6 kern 1 20.0pt (from JFM: priority 0)
		B glyph 256 ア 63 (8.8+1.2)x10.0
<hr/>		
		B glyph 256 い 63 (8.8+1.2)x10.0
いい		9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		B glyph 256 い 63 (8.8+1.2)x10.0
<hr/>		
		B glyph 256 い 63 (8.8+1.2)x10.0
い	ウ	6 glue 0 14.1pt (from JFM: priority 0)
		B glyph 256 ウ 63 (8.8+1.2)x10.0

JA-EN (penなし)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt
		B glyph 256 あ 63 (8.8+1.2)x10.0
あ	a	6 kern 1 12.1pt (from JFM: priority 0)
		B glyph 256 a 62 (5.2002+0.03906)x5.49805
<hr/>		
		B glyph 256 い 63 (8.8+1.2)x10.0
い	a	A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
		B glyph 256 a 62 (5.2002+0.03906)x5.49805
<hr/>		
		B glyph 256 う 63 (8.8+1.2)x10.0
う	a	6 glue 0 17.3pt (from JFM: priority 0)
		B glyph 256 a 62 (5.2002+0.03906)x5.49805
<hr/>		
		B glyph 256 え 63 (8.8+1.2)x10.0
え	a	6 kern 1 17.3pt (from JFM: priority 0)
		B glyph 256 a 62 (5.2002+0.03906)x5.49805
<hr/>		
		B glyph 256 お 63 (8.8+1.2)x10.0
お	a	A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
		B glyph 256 a 62 (5.2002+0.03906)x5.49805

EN-JA (penなし)

		B glyph 256 a 62 (5.2002+0.03906)x5.49805
a	あ	A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
		B glyph 256 あ 63 (8.8+1.2)x10.0
<hr/>		
		B glyph 256 a 62 (5.2002+0.03906)x5.49805
a	い	6 glue 0 14.1pt (from JFM: priority 0)
		B glyph 256 い 63 (8.8+1.2)x10.0
<hr/>		
		B glyph 256 a 62 (5.2002+0.03906)x5.49805
a	う	6 kern 1 20.0pt (from JFM: priority 0)
		B glyph 256 う 63 (8.8+1.2)x10.0

JA-明 kern (penなし)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt
		B glyph 256 あ 63 (8.8+1.2)x10.0
あ		6 kern 1 12.1pt (from JFM: priority 0)
		B kern 1 3.0pt
<hr/>		
		B glyph 256 い 63 (8.8+1.2)x10.0
い		B kern 1 3.0pt
<hr/>		
		B glyph 256 う 63 (8.8+1.2)x10.0
う		3 penalty 0 10000 (for kinsoku)
		6 glue 0 17.3pt (from JFM: priority 0)
		B kern 1 3.0pt

明 kern-JA (penなし)

		B kern 1 3.0pt
あ		B glyph 256 あ 63 (8.8+1.2)x10.0
<hr/>		
		B kern 1 3.0pt
		3 penalty 0 10000 (for kinsoku)
い		6 glue 0 14.1pt (from JFM: priority 0)
		B glyph 256 い 63 (8.8+1.2)x10.0
<hr/>		
		B kern 1 3.0pt
		6 kern 1 20.0pt (from JFM: priority 0)
う		B glyph 256 う 63 (8.8+1.2)x10.0

JA-hbox (pen なし)

	F glue 0 9.4pt plus 2.3pt minus 4.5pt
	B glyph 256 あ 63 (8.8+1.2)x10.0
	3 penalty 0 0 (for kinsoku)
あ	6 kern 1 12.1pt (from JFM: priority 0)
	B hlist 2 (0.0+0.0)x0.0TTLT
	B glyph 256 い 63 (8.8+1.2)x10.0
い	3 penalty 0 0 (for kinsoku)
	B hlist 2 (0.0+0.0)x0.0TTLT
	B glyph 256 う 63 (8.8+1.2)x10.0
う	6 glue 0 17.3pt (from JFM: priority 0)
	B hlist 2 (0.0+0.0)x0.0TTLT
	B glyph 256 え 63 (8.8+1.2)x10.0
え	3 penalty 0 0 (for kinsoku)
	6 kern 1 17.3pt (from JFM: priority 0)
	B hlist 2 (0.0+0.0)x0.0TTLT
	F glue 0 9.4pt plus 2.3pt minus 4.5pt
	B glyph 256 あ ア 63 (8.8+1.2)x10.0
あ ア	6 kern 1 12.1pt (from JFM: priority 0)
	B hlist 2 (8.8+1.2)x10.0TTLT
	.B glyph 256 ア 63 (8.8+1.2)x10.0
	F glue 0 9.4pt plus 2.3pt minus 4.5pt
	B glyph 256 あ a 63 (8.8+1.2)x10.0
あ a	6 kern 1 12.1pt (from JFM: priority 0)
	B hlist 2 (5.2002+0.03906)x5.49805TTLT
	.B glyph 256 a 62 (5.2002+0.03906)x5.49805
	B glyph 256 い 63 (8.8+1.2)x10.0
い a	A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
	B hlist 2 (5.2002+0.03906)x5.49805TTLT
	.B glyph 256 a 62 (5.2002+0.03906)x5.49805

hbox-JA (pen なし)

	B hlist 2 (0.0+0.0)x0.0TTLT
	3 penalty 0 0 (for kinsoku)
あ	B glyph 256 あ 63 (8.8+1.2)x10.0
	B hlist 2 (0.0+0.0)x0.0TTLT
	6 glue 0 14.1pt (from JFM: priority 0)
い	B glyph 256 い 63 (8.8+1.2)x10.0
	B hlist 2 (0.0+0.0)x0.0TTLT
	3 penalty 0 0 (for kinsoku)
	6 kern 1 20.0pt (from JFM: priority 0)
う	B glyph 256 う 63 (8.8+1.2)x10.0

JA-JA (pen あり)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 6 kern 1 20.0pt (from JFM: priority 0) B glyph 256 ア 63 (8.8+1.2)x10.0
あ	ア	<hr/>
		F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 イ 63 (8.8+1.2)x10.0
あい		<hr/>
		F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) B glyph 256 ウ 63 (8.8+1.2)x10.0
あ	ウ	<hr/>
		B glyph 256 い 63 (8.8+1.2)x10.0 6 kern 1 20.0pt (from JFM: priority 0) B glyph 256 ア 63 (8.8+1.2)x10.0
い	ア	<hr/>
		B glyph 256 い 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 イ 63 (8.8+1.2)x10.0
い	イ	<hr/>
		B glyph 256 い 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) B glyph 256 ウ 63 (8.8+1.2)x10.0
い	ウ	<hr/>

JA-EN (pen あり)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) B glyph 256 a 62 (5.2002+0.03906)x5.49805
あ	a	<hr/>
		B glyph 256 い 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 a 62 (5.2002+0.03906)x5.49805
い	a	<hr/>
		B glyph 256 う 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 6 glue 0 17.3pt (from JFM: priority 0) B glyph 256 a 62 (5.2002+0.03906)x5.49805
う	a	<hr/>
		B glyph 256 え 63 (8.8+1.2)x10.0 6 kern 1 17.3pt (from JFM: priority 0) B glyph 256 a 62 (5.2002+0.03906)x5.49805
え	a	<hr/>
		B glyph 256 お 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 a 62 (5.2002+0.03906)x5.49805
お	a	<hr/>

EN-JA (pen あり)

		B glyph 256 a 62 (5.2002+0.03906)x5.49805 3 penalty 0 321 (for kinsoku) A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 あ 63 (8.8+1.2)x10.0
a	あ	<hr/>
		B glyph 256 a 62 (5.2002+0.03906)x5.49805 3 penalty 0 892 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) B glyph 256 い 63 (8.8+1.2)x10.0
a	い	<hr/>
		B glyph 256 a 62 (5.2002+0.03906)x5.49805 6 kern 1 20.0pt (from JFM: priority 0) B glyph 256 う 63 (8.8+1.2)x10.0
a	う	<hr/>

JA-hbox (pen あり)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) B hlist 2 (8.8+1.2)x10.0TLT .B glyph 256 ア 63 (8.8+1.2)x10.0
あ	ア	<hr/>
		F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) B hlist 2 (5.2002+0.03906)x5.49805TLT .B glyph 256 a 62 (5.2002+0.03906)x5.49805
あ	a	<hr/>
		B glyph 256 い 63 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B hlist 2 (5.2002+0.03906)x5.49805TLT .B glyph 256 a 62 (5.2002+0.03906)x5.49805
い	a	<hr/>

```
B hlist 2 (8.8+1.2)x10.0TLT
.B glyph 256 ( 63 (8.8+1.2)x10.0
3 penalty 0 571 (for kinsoku)
6 glue 0 14.1pt (from JFM: priority 0)
B glyph 256 り 63 (8.8+1.2)x10.0
3 penalty 0 123 (for kinsoku)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B hlist 2 (8.8+1.2)x10.0TLT
.B glyph 256 ) 63 (8.8+1.2)x10.0
```

(り)

italic correction

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B glyph 256 f 37 (6.94444+1.94444)x3.06665
3 penalty 0 123 (for kinsoku)
6 glue 0 5.0pt minus 5.0pt (from JFM: priority 0)
2 hlist 0 (8.8+1.2)x5.0TLT (packed)
.o glyph 256 ( 60 (8.32031+0.71777)x5.09766
C kern 1 0.0pt (italic correction)
3 penalty 0 10000 (for kinsoku)
6 glue 0 0.0pt (from JFM: priority 0)
2 hlist 0 (8.8+1.2)x10.0TLT (packed)
.o glyph 256 あ 60 (8.11035+0.36133)x8.99902
```

f (あ)

[x]kanjiskip の挿入

kanjiskip from JFM, autospacing (JA-JA)

	F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 あ 63 (8.8+1.2)x10.0
ああ	
	F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 9 glue 0 1.0pt plus 0.4pt minus 0.5pt (kanjiskip) B glyph 256 あ 63 (8.8+1.2)x10.0
ああ	
	B glyph 256 は 66 (10.56+1.44)x12.0 9 glue 0 1.1pt plus 0.44pt minus 0.55pt (kanjiskip) B glyph 256 あ 63 (8.8+1.2)x10.0
はあ	
	F glue 0 9.4pt plus 2.3pt minus 4.5pt B glyph 256 あ 63 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 あ 63 (8.8+1.2)x10.0 9 glue 0 0.0pt (kanjiskip) B glyph 256 あ 63 (8.8+1.2)x10.0
あああ	

kanjiskip from JFM/autospacing (JA-EN)

	B glyph 256 ま 63 (8.8+1.2)x10.0 A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
ま x	
	B glyph 256 ま 63 (8.8+1.2)x10.0 A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
ま x	
	B glyph 256 ま 63 (8.8+1.2)x10.0 A glue 0 0.0pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
ま x	
	B glyph 256 ま 63 (8.8+1.2)x10.0 A glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
ま x	
	B glyph 256 ま 63 (8.8+1.2)x10.0 A glue 0 0.0pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
ま x	
	B glyph 256 ま 63 (8.8+1.2)x10.0 A glue 0 0.0pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
ま x	

xkanjiskip from JFM/autospacing (EN-JA)

	B glyph 256 x 62 (5.07813+0.0)x4.8877 A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 ま 63 (8.8+1.2)x10.0
x ま	
	B glyph 256 x 62 (5.07813+0.0)x4.8877 A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) B glyph 256 ま 63 (8.8+1.2)x10.0
x ま	
	B glyph 256 x 62 (5.07813+0.0)x4.8877 A glue 0 0.0pt (xkanjiskip) B glyph 256 ま 63 (8.8+1.2)x10.0
x ま	
	B glyph 256 x 62 (5.07813+0.0)x4.8877 A glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip) B glyph 256 ま 63 (8.8+1.2)x10.0
x ま	
	B glyph 256 x 62 (5.07813+0.0)x4.8877 A glue 0 0.0pt (xkanjiskip) B glyph 256 ま 63 (8.8+1.2)x10.0
x ま	
	B glyph 256 x 62 (5.07813+0.0)x4.8877 A glue 0 0.0pt (xkanjiskip) B glyph 256 ま 63 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 お 63 (8.8+1.2)x10.0 A glue 0 0.0pt (xkanjiskip) B glyph 256 x 62 (5.07813+0.0)x4.8877
xまおx	

more than one penalty

	B glyph 256 お 63 (8.8+1.2)x10.0 B penalty 0 1701 B penalty 0 1701 B penalty 0 1701 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 れ 63 (8.8+1.2)x10.0
おい	
	B glyph 256 お 63 (8.8+1.2)x10.0 B penalty 0 1701 B penalty 0 1701 B penalty 0 1701 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) B glyph 256 お 63 (8.8+1.2)x10.0
おお	

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F glue 0 9.4pt plus 2.3pt minus 4.5pt
B glyph 256 あ 63 (8.8+1.2)x10.0
B penalty 0 1701
B penalty 0 1701
B penalty 0 1701
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 256 い 63 (8.8+1.2)x10.0

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```

F glue 0 9.4pt plus 2.3pt minus 4.5pt
B glyph 256 あ 63 (8.8+1.2)x10.0
B penalty 0 1701
B penalty 0 1701
B penalty 0 1701
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 256 お 63 (8.8+1.2)x10.0

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その他: italic correction and accents

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2 hlist 0 (8.8+1.2)x10.0TTLT (packed)
.0 glyph 256 あ 60 (8.11035+0.36133)x8.99902
C kern 1 0.0pt (italic correction)
A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
B glyph 256 j 1 (6.67859+1.94444)x3.05557

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) j

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2 hlist 0 (8.8+1.2)x5.0TTLT (packed)
.0 glyph 256 ) 60 (8.32031+0.71777)x5.09766
C kern 1 0.0pt (italic correction)
6 glue 0 5.0pt minus 5.0pt (from JFM: priority 0)
B glyph 256 j 1 (6.67859+1.94444)x3.05557

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B glyph 256 れ 63 (8.8+1.2)x10.0
A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
B kern 2 1.25pt (for accent)
B hlist 0 (6.28473+0.0)x5.00002TTLT, shifted -2.52777
.0 glyph 0 ` 1 (6.28473+0.0)x5.00002
B kern 2 -6.25002pt (for accent)
B glyph 256 Å 1 (6.83331+0.0)x7.50002
3 penalty 0 10000 (for kinsoku)
A glue 0 0.0pt (xkanjiskip)
B glyph 256 ) 63 (8.8+1.2)x10.0

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その他: box boundary

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F glue 0 10.3pt
B glyph 256 か 63 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 256 あ 63 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 256 か 63 (8.8+1.2)x10.0
F kern 1 8.5pt

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a かあか a

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B glyph 256 a 62 (5.2002+0.03906)x5.49805
A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
B glyph 512 か 63 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 512 あ 63 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 512 か 63 (8.8+1.2)x10.0
A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
B glyph 256 a 62 (5.2002+0.03906)x5.49805

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B glyph 256 a 62 (5.2002+0.03906)x5.49805
B hlist 2 (8.8+1.2)x28.8TTLT
.F glue 0 10.3pt
.B glyph 256 か 63 (8.8+1.2)x10.0
.F kern 1 8.5pt
B glyph 256 a 62 (5.2002+0.03906)x5.49805

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```

B glyph 256 き 63 (8.8+1.2)x10.0
3 penalty 0 0 (for kinsoku)
B hlist 2 (8.8+1.2)x28.8TTLT
.F glue 0 10.3pt
.B glyph 256 か 63 (8.8+1.2)x10.0
.F kern 1 8.5pt
3 penalty 0 0 (for kinsoku)
B glyph 256 き 63 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B hlist 2 (8.8+1.2)x10.0TTLT
.B glyph 256 き 63 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B glyph 256 き 63 (8.8+1.2)x10.0

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```
2 hlist 0 (8.8+1.2)x10.0TLT (packed)
.0 glyph 256 あ 60 (8.11035+0.36133)x8.99902
3 penalty 0 1000 (for kinsoku)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
B hlist 2 (8.8+1.2)x5.0TLT
.2 hlist 0 (8.8+1.2)x5.0TLT (packed)
..0 glyph 256 ( あ 60 (8.32031+0.71777)x5.09766
3 penalty 0 1000 (for kinsoku)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT (packed)
.0 glyph 256 あ 60 (8.11035+0.36133)x8.99902
3 penalty 0 1000 (for kinsoku)
6 glue 0 5.0pt minus 5.0pt (from JFM: priority 0)
2 hlist 0 (8.8+1.2)x5.0TLT (packed)
.0 glyph 256 ( あ 60 (8.32031+0.71777)x5.09766
3 penalty 0 10000 (for kinsoku)
6 glue 0 0.0pt (from JFM: priority 0)
2 hlist 0 (8.8+1.2)x10.0TLT (packed)
.0 glyph 256 あ 60 (8.11035+0.36133)x8.99902
```

paragraph, hbox and math boundary

		0 whatsit 6 subtype: 66
		0 hlist 3 (0.0+0.0)x19.2TLT
		F glue 0 6.8pt plus 0.2pt minus 0.4pt
		B glyph 256 か 63 (8.8+1.2)x10.0
		3 penalty 0 500 (for kinsoku)
		9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		B glyph 256 工 63 (8.8+1.2)x10.0
		B penalty 0 10000
		0 glue 15 30.0pt
		0 glue 9 0.0pt
か	工	-----
		0 whatsit 6 subtype: 66
		F glue 0 10.3pt
		B glyph 256 か 63 (8.8+1.2)x10.0
		3 penalty 0 500 (for kinsoku)
		9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		B glyph 256 工 63 (8.8+1.2)x10.0
		B penalty 0 10000
		0 glue 15 30.0pt
		0 glue 9 0.0pt
か	工	-----
		F glue 0 10.3pt
		B glyph 256 か 63 (8.8+1.2)x10.0
		9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		B glyph 256 工 63 (8.8+1.2)x10.0
		F glue 0 7.8pt
か工		-----
		F glue 0 9.4pt plus 2.3pt minus 4.5pt
		B glyph 256 あ 63 (8.8+1.2)x10.0
		6 glue 0 12.5pt plus 4.3pt minus 8.7pt (from JFM: priority 0)
		B math 0
		B glyph 256 a 7 (4.30554+0.0)x5.28589
		B math 1
		6 glue 0 6.8pt plus 0.2pt minus 0.4pt (from JFM: priority 0)
		B glyph 256 さ 63 (8.8+1.2)x10.0
		A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
		B math 0
		B glyph 256 a 7 (4.30554+0.0)x5.28589
		B math 1
		A glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
		B glyph 256 か 63 (8.8+1.2)x10.0
		F kern 1 8.5pt
あ a さ a か		-----

その他: unhbox の連続

		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256) 51 (8.4675+1.15466)x9.62216
		6 glue 0 4.81108pt minus 4.81108pt (from JFM: priority 0)
) a		B glyph 512 a 62 (5.2002+0.03906)x5.49805

		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256) 51 (8.4675+1.15466)x9.62216
		6 glue 0 4.81108pt minus 4.81108pt (from JFM: priority 0)
) a		B glyph 512 a 62 (5.2002+0.03906)x5.49805

		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256 (51 (8.4675+1.15466)x9.62216
		3 penalty 0 10000 (for kinsoku)
		6 glue 0 0.0pt (from JFM: priority 0)
		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256) 51 (8.4675+1.15466)x9.62216
		6 glue 0 4.81108pt minus 4.81108pt (from JFM: priority 0)
		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256 (51 (8.4675+1.15466)x9.62216
		3 penalty 0 10000 (for kinsoku)
		6 glue 0 0.0pt (from JFM: priority 0)
		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256 「 51 (8.4675+1.15466)x9.62216
		3 penalty 0 10000 (for kinsoku)
		6 glue 0 0.0pt (from JFM: priority 0)
		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256 」 51 (8.4675+1.15466)x9.62216
(()) 「 」		-----

その他: 「前由来」「後由来」JFM 由来グルー

		B glyph 256 あ 51 (8.4675+1.15466)x9.62216
		6 glue 0 2.40555pt minus 2.40555pt (from JFM: priority 0)
あ (2 hlist 0 (4.23375+0.57733)x2.40555TLT (packed)
		.0 glyph 256 (53 (4.23375+0.57733)x4.81108

		B glyph 256 あ 53 (4.23375+0.57733)x4.81108
		6 glue 0 4.81108pt minus 4.81108pt (from JFM: priority 0)
		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
あ (.0 glyph 256 (51 (8.4675+1.15466)x9.62216

		2 hlist 0 (4.23375+0.57733)x2.40555TLT (packed)
		.0 glyph 256 . 53 (4.23375+0.57733)x4.81108
		3 penalty 0 10000 (for kinsoku)
		7 glue 0 4.81108pt minus 1.6037pt (from JFM: priority 1)
		2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
		.0 glyph 256 ・ 51 (8.4675+1.15466)x9.62216
・		-----

```
2 hlist 0 (8.4675+1.15466)x4.81108TLT (packed)
.0 glyph 256 . 51 (8.4675+1.15466)x9.62216
3 penalty 0 10000 (for kinsoku)
7 glue 0 6.01385pt minus 2.00462pt (from JFM: priority 1)
2 hlist 0 (4.23375+0.57733)x2.40555TLT (packed)
.0 glyph 256 * 53 (4.23375+0.57733)x4.81108
```
