

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

0 1 0

#### 文字コード 文字範囲

-1 6 8 9 -1 2 1 7

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 D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 ア 69 (8.8+1.2)x10.0
あ	ア	
		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 イ 69 (8.8+1.2)x10.0
あい		
		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 ウ 69 (8.8+1.2)x10.0
あ	ウ	
		D glyph 256 ゐ 69 (8.8+1.2)x10.0 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 ア 69 (8.8+1.2)x10.0
い	ア	
		D glyph 256 ゐ 69 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 イ 69 (8.8+1.2)x10.0
い	イ	
		D glyph 256 ゐ 69 (8.8+1.2)x10.0 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 ウ 69 (8.8+1.2)x10.0
い	ウ	

JA-EN (pen なし)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) D glyph 256 a 68 (5.2002+0.03906)x5.49805
あ	a	
		D glyph 256 ゐ 69 (8.8+1.2)x10.0 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 a 68 (5.2002+0.03906)x5.49805
い	a	
		D glyph 256 う 69 (8.8+1.2)x10.0 6 glue 0 17.3pt (from JFM: priority 0) D glyph 256 a 68 (5.2002+0.03906)x5.49805
う	a	
		D glyph 256 え 69 (8.8+1.2)x10.0 6 kern 1 17.3pt (from JFM: priority 0) D glyph 256 a 68 (5.2002+0.03906)x5.49805
え	a	
		D glyph 256 あ 69 (8.8+1.2)x10.0 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 a 68 (5.2002+0.03906)x5.49805
お	a	

EN-JA (pen なし)

		D glyph 256 a 68 (5.2002+0.03906)x5.49805 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 あ 69 (8.8+1.2)x10.0
a	あ	
		D glyph 256 a 68 (5.2002+0.03906)x5.49805 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 ゐ 69 (8.8+1.2)x10.0
a	い	
		D glyph 256 a 68 (5.2002+0.03906)x5.49805 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 う 69 (8.8+1.2)x10.0
a	う	

JA-明 kern (pen なし)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) D kern 1 3.0pt
あ		
		D glyph 256 ゐ 69 (8.8+1.2)x10.0 D kern 1 3.0pt
い		
		D glyph 256 う 69 (8.8+1.2)x10.0 3 penalty 0 10000 (for kinsoku) 6 glue 0 17.3pt (from JFM: priority 0) D kern 1 3.0pt
う		

明 kern-JA (pen なし)

		D kern 1 3.0pt D glyph 256 あ 69 (8.8+1.2)x10.0
あ		
		D kern 1 3.0pt 3 penalty 0 10000 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 ゐ 69 (8.8+1.2)x10.0
い		
		D kern 1 3.0pt 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 う 69 (8.8+1.2)x10.0
う		

JA-hbox (pen なし)

	F glue 0 9.4pt plus 2.3pt minus 4.5pt
	D glyph 256 あ 69 (8.8+1.2)x10.0
	3 penalty 0 0 (for kinsoku)
あ	6 kern 1 12.1pt (from JFM: priority 0)
	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	-----
	D glyph 256 い 69 (8.8+1.2)x10.0
	3 penalty 0 0 (for kinsoku)
い	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	-----
	D glyph 256 う 69 (8.8+1.2)x10.0
	6 glue 0 17.3pt (from JFM: priority 0)
う	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	-----
	D glyph 256 え 69 (8.8+1.2)x10.0
	3 penalty 0 0 (for kinsoku)
え	6 kern 1 17.3pt (from JFM: priority 0)
	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	-----
	F glue 0 9.4pt plus 2.3pt minus 4.5pt
	D glyph 256 あ 69 (8.8+1.2)x10.0
	6 kern 1 12.1pt (from JFM: priority 0)
あ ア	D hlist 2 (8.8+1.2)x10.0TLT, shifted 0.0
	.D glyph 256 ア 69 (8.8+1.2)x10.0
	-----
	F glue 0 9.4pt plus 2.3pt minus 4.5pt
	D glyph 256 あ 69 (8.8+1.2)x10.0
	6 kern 1 12.1pt (from JFM: priority 0)
あ a	D hlist 2 (5.2002+0.03906)x5.49805TLT, shifted 0.0
	.D glyph 256 a 68 (5.2002+0.03906)x5.49805
	-----
	D glyph 256 い 69 (8.8+1.2)x10.0
	B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
い a	D hlist 2 (5.2002+0.03906)x5.49805TLT, shifted 0.0
	.D glyph 256 a 68 (5.2002+0.03906)x5.49805

hbox-JA (pen なし)

	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	3 penalty 0 0 (for kinsoku)
あ	D glyph 256 あ 69 (8.8+1.2)x10.0
	-----
	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	6 glue 0 14.1pt (from JFM: priority 0)
い	D glyph 256 い 69 (8.8+1.2)x10.0
	-----
	D hlist 2 (0.0+0.0)x0.0TLT, shifted 0.0
	3 penalty 0 0 (for kinsoku)
	6 kern 1 20.0pt (from JFM: priority 0)
う	D glyph 256 う 69 (8.8+1.2)x10.0

## JA-JA (pen あり)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 ア 69 (8.8+1.2)x10.0
あ	ア	
		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 イ 69 (8.8+1.2)x10.0
あい		
		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 ウ 69 (8.8+1.2)x10.0
あ	ウ	
		D glyph 256 い 69 (8.8+1.2)x10.0 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 ア 69 (8.8+1.2)x10.0
い	ア	
		D glyph 256 い 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 イ 69 (8.8+1.2)x10.0
いい		
		D glyph 256 い 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 ウ 69 (8.8+1.2)x10.0
い	ウ	

## JA-EN (pen あり)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) D glyph 256 a 68 (5.2002+0.03906)x5.49805
あ	a	
		D glyph 256 い 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 a 68 (5.2002+0.03906)x5.49805
い	a	
		D glyph 256 う 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) 6 glue 0 17.3pt (from JFM: priority 0) D glyph 256 a 68 (5.2002+0.03906)x5.49805
う	a	
		D glyph 256 え 69 (8.8+1.2)x10.0 6 kern 1 17.3pt (from JFM: priority 0) D glyph 256 a 68 (5.2002+0.03906)x5.49805
え	a	
		D glyph 256 お 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 a 68 (5.2002+0.03906)x5.49805
お	a	

## EN-JA (pen あり)

		D glyph 256 a 68 (5.2002+0.03906)x5.49805 3 penalty 0 321 (for kinsoku) B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 あ 69 (8.8+1.2)x10.0
a	あ	
		D glyph 256 a 68 (5.2002+0.03906)x5.49805 3 penalty 0 892 (for kinsoku) 6 glue 0 14.1pt (from JFM: priority 0) D glyph 256 い 69 (8.8+1.2)x10.0
a	い	
		D glyph 256 a 68 (5.2002+0.03906)x5.49805 6 kern 1 20.0pt (from JFM: priority 0) D glyph 256 う 69 (8.8+1.2)x10.0
a	う	

## JA-hbox (pen あり)

		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) D hlist 2 (8.8+1.2)x10.0TLT, shifted 0.0 .D glyph 256 ア 69 (8.8+1.2)x10.0
あ	ア	
		F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 kern 1 12.1pt (from JFM: priority 0) D hlist 2 (5.2002+0.03906)x5.49805TLT, shifted 0.0 .D glyph 256 a 68 (5.2002+0.03906)x5.49805
あ	a	
		D glyph 256 い 69 (8.8+1.2)x10.0 3 penalty 0 123 (for kinsoku) B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D hlist 2 (5.2002+0.03906)x5.49805TLT, shifted 0.0 .D glyph 256 a 68 (5.2002+0.03906)x5.49805
い	a	

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D hlist 2 (8.8+1.2)x10.0TLT, shifted 0.0
.D glyph 256 ( 69 (8.8+1.2)x10.0
3 penalty 0 571 (for kinsoku)
6 glue 0 14.1pt (from JFM: priority 0)
D glyph 256 り 69 (8.8+1.2)x10.0
3 penalty 0 123 (for kinsoku)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D hlist 2 (8.8+1.2)x10.0TLT, shifted 0.0
.D glyph 256 ) 69 (8.8+1.2)x10.0
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( り )

**italic correction**

```
D 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, shifted 0.0 (packed)
.o glyph 256 ( 66 (8.32031+0.71777)x5.09766
E 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, shifted 0.0 (packed)
.o glyph 256 あ 66 (8.11035+0.36133)x8.99902
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f (あ)

[x]kanjiskip の挿入

kanjiskip from JFM, autospacing (JA-JA)

	F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0
ああ	9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 あ 69 (8.8+1.2)x10.0
ああ	F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 A glue 0 1.0pt plus 0.4pt minus 0.5pt (kanjiskip, JFM specified) D glyph 256 あ 69 (8.8+1.2)x10.0
はあ	D glyph 256 は 72 (10.56+1.44)x12.0 A glue 0 1.1pt plus 0.44pt minus 0.55pt (kanjiskip, JFM specified) D glyph 256 あ 69 (8.8+1.2)x10.0
あああ	F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 あ 69 (8.8+1.2)x10.0 9 glue 0 0.0pt (kanjiskip) D glyph 256 あ 69 (8.8+1.2)x10.0

kanjiskip from JFM/autospacing (JA-EN)

ま x	D glyph 256 ま 69 (8.8+1.2)x10.0 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 x 68 (5.07813+0.0)x4.8877
ま x	D glyph 256 ま 69 (8.8+1.2)x10.0 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 x 68 (5.07813+0.0)x4.8877
ま x	D glyph 256 ま 69 (8.8+1.2)x10.0 B glue 0 0.0pt (xkanjiskip) D glyph 256 x 68 (5.07813+0.0)x4.8877
ま x	D glyph 256 ま 69 (8.8+1.2)x10.0 C glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip, JFM specified) D glyph 256 x 68 (5.07813+0.0)x4.8877
ま x	D glyph 256 ま 69 (8.8+1.2)x10.0 B glue 0 0.0pt (xkanjiskip) D glyph 256 x 68 (5.07813+0.0)x4.8877
ま x	D glyph 256 ま 69 (8.8+1.2)x10.0 B glue 0 0.0pt (xkanjiskip) D glyph 256 x 68 (5.07813+0.0)x4.8877

xkanjiskip from JFM/autospacing (EN-JA)

x ま	D glyph 256 x 68 (5.07813+0.0)x4.8877 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 ま 69 (8.8+1.2)x10.0
x ま	D glyph 256 x 68 (5.07813+0.0)x4.8877 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 ま 69 (8.8+1.2)x10.0
x ま	D glyph 256 x 68 (5.07813+0.0)x4.8877 B glue 0 0.0pt (xkanjiskip) D glyph 256 ま 69 (8.8+1.2)x10.0
x ま	D glyph 256 x 68 (5.07813+0.0)x4.8877 C glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip, JFM specified) D glyph 256 ま 69 (8.8+1.2)x10.0
x ま	D glyph 256 x 68 (5.07813+0.0)x4.8877 B glue 0 0.0pt (xkanjiskip) D glyph 256 ま 69 (8.8+1.2)x10.0
xまお x	D glyph 256 x 68 (5.07813+0.0)x4.8877 B glue 0 0.0pt (xkanjiskip) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 お 69 (8.8+1.2)x10.0 B glue 0 0.0pt (xkanjiskip) D glyph 256 x 68 (5.07813+0.0)x4.8877

more than one penalty

おい	D glyph 256 お 69 (8.8+1.2)x10.0 D penalty 0 1701 D penalty 0 1701 D penalty 0 1701 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 い 69 (8.8+1.2)x10.0
おお	D glyph 256 お 69 (8.8+1.2)x10.0 D penalty 0 1701 D penalty 0 1701 D penalty 0 1701 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 お 69 (8.8+1.2)x10.0

あ い

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F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256 あ 69 (8.8+1.2)x10.0
D penalty 0 1701
D penalty 0 1701
D penalty 0 1701
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256 ぁ 69 (8.8+1.2)x10.0
```

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あ お

```
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256 あ 69 (8.8+1.2)x10.0
D penalty 0 1701
D penalty 0 1701
D penalty 0 1701
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256 ぉ 69 (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, shifted 0.0 (packed)
.0 glyph 256 あ 66 (8.11035+0.36133)x8.99902
E kern 1 0.0pt (italic correction)
B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
D glyph 256 j 1 (6.67859+1.94444)x3.05557
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) j

```
2 hlist 0 (8.8+1.2)x5.0TTLT, shifted 0.0 (packed)
.0 glyph 256 ) 66 (8.32031+0.71777)x5.09766
E kern 1 0.0pt (italic correction)
6 glue 0 5.0pt minus 5.0pt (from JFM: priority 0)
D glyph 256 j 1 (6.67859+1.94444)x3.05557
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れ ㄸ

```
D glyph 256 れ 69 (8.8+1.2)x10.0
B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
D kern 2 1.25pt (for accent)
D hlist 0 (6.28473+0.0)x5.00002TTLT, shifted -2.52777
.0 glyph 0 ~ 1 (6.28473+0.0)x5.00002
D kern 2 -6.25002pt (for accent)
D glyph 256 A 1 (6.83331+0.0)x7.50002
3 penalty 0 10000 (for kinsoku)
B glue 0 0.0pt (xkanjiskip)
D glyph 256 ) 69 (8.8+1.2)x10.0
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### その他: box boundary

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```
F glue 0 10.3pt
D glyph 256 か 69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256 あ 69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256 か 69 (8.8+1.2)x10.0
F kern 1 8.5pt
```

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```
D glyph 256 a 68 (5.2002+0.03906)x5.49805
B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
D glyph 512 か 69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 512 あ 69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 512 か 69 (8.8+1.2)x10.0
B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
D glyph 256 a 68 (5.2002+0.03906)x5.49805
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a か a

```
D glyph 256 a 68 (5.2002+0.03906)x5.49805
D hlist 2 (8.8+1.2)x28.8TTLT, shifted 0.0
.F glue 0 10.3pt
.D glyph 256 か 69 (8.8+1.2)x10.0
.F kern 1 8.5pt
D glyph 256 a 68 (5.2002+0.03906)x5.49805
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```
D glyph 256 き 69 (8.8+1.2)x10.0
3 penalty 0 0 (for kinsoku)
D hlist 2 (8.8+1.2)x28.8TTLT, shifted 0.0
.F glue 0 10.3pt
.D glyph 256 か 69 (8.8+1.2)x10.0
.F kern 1 8.5pt
3 penalty 0 0 (for kinsoku)
D glyph 256 き 69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D hlist 2 (8.8+1.2)x10.0TTLT, shifted 0.0
.D glyph 256 き 69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256 き 69 (8.8+1.2)x10.0
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```

2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 あ 66 (8.11035+0.36133)x8.99902
3 penalty 0 1000 (for kinsoku)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D hlist 2 (8.8+1.2)x5.0TLT, shifted 0.0
.2 hlist 0 (8.8+1.2)x5.0TLT, shifted 0.0 (packed)
..0 glyph 256 ( あ 66 (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, shifted 0.0 (packed)
.0 glyph 256 あ 66 (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, shifted 0.0 (packed)
.0 glyph 256 ( あ 66 (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, shifted 0.0 (packed)
.0 glyph 256 あ 66 (8.11035+0.36133)x8.99902

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その他: paragraph, hbox and math boundary

		0 whatsit 6 6 0 hlist 3 (0.0+0.0)x19.2TLT, shifted 0.0 F glue 0 6.8pt plus 0.2pt minus 0.4pt D glyph 256 か 69 (8.8+1.2)x10.0 3 penalty 0 500 (for kinsoku) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 工 69 (8.8+1.2)x10.0 D penalty 0 10000 0 glue 15 30.0pt 0 glue 9 0.0pt
か	工	0 whatsit 6 6 F glue 0 10.3pt D glyph 256 か 69 (8.8+1.2)x10.0 3 penalty 0 500 (for kinsoku) 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 工 69 (8.8+1.2)x10.0 D penalty 0 10000 0 glue 15 30.0pt 0 glue 9 0.0pt
か	工	F glue 0 10.3pt D glyph 256 か 69 (8.8+1.2)x10.0 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 工 69 (8.8+1.2)x10.0
か工		F glue 0 7.8pt F glue 0 9.4pt plus 2.3pt minus 4.5pt D glyph 256 あ 69 (8.8+1.2)x10.0 6 glue 0 12.5pt plus 4.3pt minus 8.7pt (from JFM: priority 0) D math 0 D glyph 256 a 7 (4.30554+0.0)x5.28589 D math 1 6 glue 0 6.8pt plus 0.2pt minus 0.4pt (from JFM: priority 0) D glyph 256 さ 69 (8.8+1.2)x10.0 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D math 0 D glyph 256 a 7 (4.30554+0.0)x5.28589 D math 1 B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip) D glyph 256 か 69 (8.8+1.2)x10.0 F kern 1 8.5pt
あ	a さ a か	

その他: unhbox の連続

) a		2 hlist 0 (8.4675+1.15466)x4.81108TLT, shifted 0.0 (packed) .0 glyph 256 ) 51 (8.4675+1.15466)x9.62216 6 glue 0 4.81108pt minus 4.81108pt (from JFM: priority 0) D glyph 512 a 68 (5.2002+0.03906)x5.49805
) a		2 hlist 0 (8.4675+1.15466)x4.81108TLT, shifted 0.0 (packed) .0 glyph 256 ) 51 (8.4675+1.15466)x9.62216 6 glue 0 4.81108pt minus 4.81108pt (from JFM: priority 0) D glyph 512 a 68 (5.2002+0.03906)x5.49805
( ) ( ) 「 」		2 hlist 0 (8.4675+1.15466)x4.81108TLT, shifted 0.0 (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, shifted 0.0 (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, shifted 0.0 (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, shifted 0.0 (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, shifted 0.0 (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, shifted 0.0 (packed) .0 glyph 256 」 51 (8.4675+1.15466)x9.62216
あい		D glyph 256 あ 51 (8.4675+1.15466)x9.62216 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 い 51 (8.4675+1.15466)x9.62216
あい		D glyph 256 あ 51 (8.4675+1.15466)x9.62216 9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) D glyph 256 い 51 (8.4675+1.15466)x9.62216

その他: 「前由来」「後由来」JFM 由来グルー

あ (		D glyph 256 あ 51 (8.4675+1.15466)x9.62216 6 glue 0 2.40555pt minus 2.40555pt (from JFM: priority 0) 2 hlist 0 (4.23375+0.57733)x2.40555TLT, shifted 0.0 (packed) .0 glyph 256 ( 53 (4.23375+0.57733)x4.81108
あ (		D 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, shifted 0.0 (packed) .0 glyph 256 ( 51 (8.4675+1.15466)x9.62216

```

2 hlist 0 (4.23375+0.57733)x2.40555TLT, shifted 0.0 (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, shifted 0.0 (packed)
.0 glyph 256 . 51 (8.4675+1.15466)x9.62216
-----
2 hlist 0 (8.4675+1.15466)x4.81108TLT, shifted 0.0 (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, shifted 0.0 (packed)
.0 glyph 256 . 53 (4.23375+0.57733)x4.81108
-----

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その他: JFM and kerning

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2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 タ 73 (8.12+0.44)x10.0
E kern 1 -0.5pt (italic correction)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ノ 73 (7.83+0.38)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 タ 73 (8.12+0.44)x10.0
E kern 1 -0.09999pt (italic correction)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 イ 73 (8.08+0.42)x10.0
E kern 1 -0.2pt (italic correction)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ク 73 (8.19+0.44)x10.0
E kern 1 -0.79999pt (italic correction)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ノ 73 (7.83+0.38)x10.0
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タノタイクノ

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2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 タ 74 (8.12+0.44)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ノ 74 (7.83+0.38)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 タ 74 (8.12+0.44)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 イ 74 (8.08+0.42)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ク 74 (8.19+0.44)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ノ 74 (7.83+0.38)x10.0
-----

```

タノタイクノ

```

2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 タ 73 (8.12+0.44)x10.0
E kern 1 0.0pt (italic correction)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ノ 73 (7.83+0.38)x10.0
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タノ

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2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ャ 73 (6.68+0.83)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 ャ 73 (8.24+0.27)x10.0
3 penalty 0 10000 (for kinsoku)
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0 (8.8+1.2)x10.0TLT, shifted 0.0 (packed)
.0 glyph 256 . 73 (1.35+0.0)x10.0
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