

あ“あ・い 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2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

#### 文字範囲の状況取得

0 1 0

#### 文字コード 文字範囲

217 1 2 -1

ほとんど欧文扱い。2番は別（「あ」）和文扱いにもどる

#### Ticket #25121

あいうえお か き く け こ さ し せ そ a

あいうえお か き く け こ さ し せ そ

あいうえお さ し せ そ

以下はJFM グルー挿入検証

JA-JA (penなし)

あ	ア	GLYPH 256 あ 63 kern 1 20.0pt (from JFM) GLYPH 256 ア 63 GLYPH 256 あ 63
あい		kern 0 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 い 63 GLYPH 256 あ 63
あ	ウ	kern 0 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) glue 0 28.20001pt (from JFM) GLYPH 256 ウ 63 GLYPH 256 い 63
い	ア	kern 1 20.0pt (from JFM) GLYPH 256 ア 63 GLYPH 256 い 63
いい		glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 い 63 GLYPH 256 い 63
い	ウ	glue 0 14.1pt (from JFM) GLYPH 256 ウ 63

JA-EN (penなし)

あ	a	GLYPH 256 あ 63 kern 1 12.1pt (from JFM) GLYPH 256 a 62 GLYPH 256 い 63
い	a	penalty 0 (for kinsoku) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 256 a 62 GLYPH 256 う 63
う	a	kern 0 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) glue 0 31.40001pt (from JFM) GLYPH 256 a 62 GLYPH 256 え 63
え	a	kern 1 17.3pt (from JFM) GLYPH 256 a 62 GLYPH 256 あ 63
お	a	kern 0 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) glue 0 16.50066pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 256 a 62

EN-JA (penなし)

a	あ	GLYPH 256 a 62 penalty 0 (for kinsoku) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 256 あ 63 GLYPH 256 a 62
a	い	glue 0 14.1pt (from JFM) GLYPH 256 い 63 GLYPH 256 a 62
a	う	kern 1 20.0pt (from JFM) GLYPH 256 う 63

JA-明 kern (penなし)

あ		GLYPH 256 あ 63 kern 1 12.1pt (from JFM) kern 1 3.0pt
い		GLYPH 256 い 63 kern 1 3.0pt GLYPH 256 う 63
う		penalty 10000 (for kinsoku) glue 0 17.3pt (from JFM) kern 1 3.0pt

明 kern-JA (penなし)

あ		kern 1 3.0pt GLYPH 256 あ 63 kern 1 3.0pt
い		penalty 10000 (for kinsoku) glue 0 14.1pt (from JFM) GLYPH 256 い 63 kern 1 3.0pt
う		kern 1 20.0pt (from JFM) GLYPH 256 う 63

JA-hbox (penなし)

あ		GLYPH 256 あ 63 kern 1 12.1pt (from JFM) hlist 2(0.0+0.0)x0.0
い		GLYPH 256 い 63 penalty 0 (for kinsoku) hlist 2(0.0+0.0)x0.0

	GLYPH 256 う 63
	kern 0 -14.1pt (from 'lineend' in JFM)
	penalty 0 (for kinsoku)
	glue 0 31.40001pt (from JFM)
う	hlist 2(0.0+0.0)x0.0
	-----
	GLYPH 256 え 63
	kern 1 17.3pt (from JFM)
え	hlist 2(0.0+0.0)x0.0
	-----

**hbox-JA (pen なし)**

	hlist 2(0.0+0.0)x0.0
	penalty 0 (for kinsoku)
あ	GLYPH 256 あ 63
	-----
	hlist 2(0.0+0.0)x0.0
	glue 0 14.1pt (from JFM)
い	GLYPH 256 い 63
	-----
	hlist 2(0.0+0.0)x0.0
	kern 1 20.0pt (from JFM)
う	GLYPH 256 う 63
	-----

**JA-penalty (pen なし)**

TODO: この場合の挙動はこれで良いか?

	GLYPH 256 あ 63
	kern 1 12.1pt (from JFM)
あ	penalty 567
	-----
	GLYPH 256 い 63
	penalty 0 (for kinsoku)
い	penalty 567
	-----
	GLYPH 256 う 63
	kern 0 -14.1pt (from 'lineend' in JFM)
	penalty 0 (for kinsoku)
	glue 0 31.40001pt (from JFM)
う	penalty 567
	-----
	GLYPH 256 え 63
	kern 1 17.3pt (from JFM)
え	penalty 567
	-----

**penalty-JA (pen なし)**

TODO: この場合の挙動はこれで良いか?

	penalty 567
	penalty 0 (for kinsoku)
あ	GLYPH 256 あ 63
	-----
	penalty 567
	glue 0 14.1pt (from JFM)
い	GLYPH 256 い 63
	-----
	penalty 567
	kern 1 20.0pt (from JFM)
う	GLYPH 256 う 63
	-----

## JA-JA (pen あり)

あ ア	GLYPH 256 あ 63 kern 1 20.0pt (from JFM) GLYPH 256 ア 63 GLYPH 256 あ 63
あい	kern 0 -14.1pt (from 'lineend' in JFM) penalty 123 (for kinsoku) glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 い 63 GLYPH 256 あ 63
あ ウ	kern 0 -14.1pt (from 'lineend' in JFM) penalty 123 (for kinsoku) glue 0 28.20001pt (from JFM) GLYPH 256 う 63 GLYPH 256 あ 63
い ア	kern 1 20.0pt (from JFM) GLYPH 256 ア 63 GLYPH 256 い 63
いイ	penalty 123 (for kinsoku) glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 い 63 GLYPH 256 い 63
い ウ	penalty 123 (for kinsoku) glue 0 14.1pt (from JFM) GLYPH 256 う 63

## JA-EN (pen あり)

あ a	GLYPH 256 あ 63 kern 1 12.1pt (from JFM) GLYPH 256 a 62 GLYPH 256 い 63
い a	penalty 123 (for kinsoku) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 256 a 62 GLYPH 256 う 63
う a	kern 0 -14.1pt (from 'lineend' in JFM) penalty 123 (for kinsoku) glue 0 31.40001pt (from JFM) GLYPH 256 a 62 GLYPH 256 え 63
え a	kern 1 17.3pt (from JFM) GLYPH 256 a 62 GLYPH 256 あ 63
お a	kern 0 -14.1pt (from 'lineend' in JFM) penalty 123 (for kinsoku) glue 0 16.50066pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 256 a 62

## EN-JA (pen あり)

a あ	GLYPH 256 a 62 penalty 321 (for kinsoku) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 256 あ 63 GLYPH 256 a 62
a い	penalty 321 (for kinsoku) glue 0 14.1pt (from JFM) GLYPH 256 い 63 GLYPH 256 a 62
a う	kern 1 20.0pt (from JFM) GLYPH 256 う 63

## italic correction

f (あ)	GLYPH 256 f 37 kern 1 2.11945pt (italic correction) penalty 10000 (for kinsoku) glue 0 5.0pt minus 5.0pt (from JFM) hlist 0(8.8+1.2)x5.0 glue set -0.1fil . glue 0 0.0pt plus 1.0fil minus 1.0fil . GLYPH 0 ( 60 kern 1 0.0pt (italic correction) glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) hlist 0(8.8+1.2)x10.0 glue set 1fil . GLYPH 0 あ 60 . glue 0 0.0pt plus 1.0fil minus 1.0fil
-------	---

[x]kanjiskip の挿入

kanjiskip from JFM, autospacing (JA-JA)

	hlist 0(8.8+1.2)x10.0 glue set 1fil
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil
ああ	glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
	GLYPH 256 あ 63
	hlist 0(8.8+1.2)x10.0 glue set 1fil
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil
ああ	glue 0 1.0pt plus 0.4pt minus 0.5pt (kanjiskip)
	GLYPH 256 あ 63
	GLYPH 256 は 66
はあ	glue 0 1.1pt plus 0.44pt minus 0.55pt (kanjiskip)
	GLYPH 256 あ 63
	hlist 0(8.8+1.2)x10.0 glue set 1fil
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil
	glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
	hlist 0(8.8+1.2)x10.0 glue set 1fil
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil
あああ	glue 0 0.0pt (kanjiskip)
	hlist 0(8.8+1.2)x10.0 glue set 1fil
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil

kanjiskip from JFM/autospacing (JA-EN)

	GLYPH 256 ま 63
	penalty 0 (for kinsoku)
	glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
ま x	GLYPH 256 x 62
	GLYPH 256 ま 63
	penalty 0 (for kinsoku)
	glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
ま x	GLYPH 256 x 62
	GLYPH 256 ま 63
ま x	penalty 0 (for kinsoku)
	GLYPH 256 x 62
	GLYPH 256 ま 63
	penalty 0 (for kinsoku)
	glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip)
ま x	GLYPH 256 x 62
	GLYPH 256 ま 63
	penalty 0 (for kinsoku)
	GLYPH 256 x 62
	GLYPH 256 ま 63
ま x	penalty 0 (for kinsoku)
	GLYPH 256 x 62

kanjiskip from JFM/autospacing (EN-JA)

	GLYPH 256 x 62
	penalty 0 (for kinsoku)
	glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
x ま	GLYPH 256 ま 63
	GLYPH 256 x 62
	penalty 0 (for kinsoku)
	glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
x ま	GLYPH 256 ま 63
	GLYPH 256 x 62
	penalty 0 (for kinsoku)
	GLYPH 256 ま 63
	GLYPH 256 x 62
	penalty 0 (for kinsoku)
	glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip)
x ま	GLYPH 256 ま 63
	GLYPH 256 x 62
	penalty 0 (for kinsoku)
	GLYPH 256 ま 63
	GLYPH 256 x 62
	penalty 0 (for kinsoku)
	GLYPH 256 ま 63
	glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
	GLYPH 256 お 63
	kern 0 -14.1pt (from 'lineend' in JFM)
	penalty 0 (for kinsoku)
	kern 1 14.1pt (might be replaced)
xまおx	GLYPH 256 x 62

more than one penalty

	GLYPH 256 お 63
	kern 0 -14.1pt (from 'lineend' in JFM)
	penalty 0 (for kinsoku)
	kern 1 14.1pt (might be replaced)
	penalty 1701
	penalty 1701
	penalty 1701
	glue 0 14.1pt (from JFM)
お い	GLYPH 256 い 63

お お	<pre> GLYPH 256 お 63 kern 0 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) kern 1 14.1pt (might be replaced) penalty 1701 penalty 1701 penalty 1701 penalty 0 (for kinsoku) glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 お 63 GLYPH 256 あ 63 ----- kern 1 12.1pt (from JFM) penalty 1701 penalty 1701 penalty 1701 glue 0 14.1pt (from JFM) GLYPH 256 い 63 GLYPH 256 あ 63 ----- kern 1 12.1pt (from JFM) penalty 1701 penalty 1701 penalty 1701 penalty 0 (for kinsoku) GLYPH 256 お 63 ----- hlist 0(8.8+1.2)x10.0 glue set ifil . GLYPH 0 あ 60 . glue 0 0.0pt plus 1.0fil minus 1.0fil kern 1 0.0pt (italic correction) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) kern 2 1.25pt hlist 0(6.28473+0.0)x5.00002 . GLYPH 0 ~ 1 kern 2 -6.25002pt GLYPH 256 A 1 penalty 0 (for kinsoku) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) hlist 0(8.8+1.2)x10.0 glue set ifil . GLYPH 0 あ 60 . glue 0 0.0pt plus 1.0fil minus 1.0fil ----- </pre>
あ い	
あ お	
あ Æ あ	