

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)

		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
あ	ア	kern 1 20.0pt (from JFM)
		GLYPH 256 ア 63
		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 0 (for kinsoku)
あい		glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip)
		GLYPH 256 い 63
		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 0 (for kinsoku)
あ	ウ	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)

		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
あ	a	kern 1 12.1pt (from JFM)
		GLYPH 256 a 62
		GLYPH 256 い 63
い	a	glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
		GLYPH 256 a 62
		GLYPH 256 う 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 0 (for kinsoku)
う	a	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
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 0 (for kinsoku)
お	a	glue 0 16.50066pt plus 1.0pt minus 1.0pt (xkanjiskip)
		GLYPH 256 a 62

EN-JA (penなし)

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

JA-明 kern (penなし)

		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
あ		kern 1 12.1pt (from JFM)
		kern 1 3.0pt (might be replaced)
い		GLYPH 256 い 63
		kern 1 3.0pt (might be replaced)
		GLYPH 256 う 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 10000 (for kinsoku)
う		glue 0 31.40001pt (from JFM)
		kern 1 3.0pt (might be replaced)

明 kern-JA (penなし)

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

JA-hbox (pen なし)

	glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
	GLYPH 256 あ 63
	penalty 0 (for kinsoku)
あ	kern 1 12.1pt (from JFM)
	hlist 2(0.0+0.0)x0.0
	GLYPH 256 い 63
い	penalty 0 (for kinsoku)
	hlist 2(0.0+0.0)x0.0
	GLYPH 256 う 63
	kern 1 -14.1pt (from 'lineend' in JFM)
	penalty 0 (for kinsoku)
う	glue 0 31.40001pt (from JFM)
	hlist 2(0.0+0.0)x0.0
	GLYPH 256 え 63
え	penalty 0 (for kinsoku)
	kern 1 17.3pt (from JFM)
	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
	penalty 0 (for kinsoku)
い	glue 0 14.1pt (from JFM)
	GLYPH 256 い 63
	hlist 2(0.0+0.0)x0.0
	penalty 0 (for kinsoku)
う	kern 1 20.0pt (from JFM)
	GLYPH 256 う 63

JA-penalty (pen なし)

TODO: この場合の挙動はこれで良いか?

	glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
	GLYPH 256 あ 63
あ	penalty 567
	GLYPH 256 い 63
い	penalty 567
	GLYPH 256 う 63
う	penalty 567
	GLYPH 256 え 63
え	penalty 567
	glue 0 10.3pt (from JFM)
	GLYPH 256 か 63
か	kern 1 8.5pt (from JFM)
	penalty 567

penalty-JA (pen なし)

TODO: この場合の挙動はこれで良いか?

	penalty 567
	glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
あ	GLYPH 256 あ 63
	penalty 567
い	GLYPH 256 い 63
	penalty 567
う	GLYPH 256 う 63

JA-JA (pen あり)

		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
あ	ア	kern 1 20.0pt (from JFM)
		GLYPH 256 ア 63
		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 123 (for kinsoku)
あい		glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip)
		GLYPH 256 い 63
		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 123 (for kinsoku)
あ	ウ	glue 0 28.20001pt (from JFM)
		GLYPH 256 ウ 63
		GLYPH 256 い 63
		kern 1 20.0pt (from JFM)
い	ア	GLYPH 256 ア 63
		GLYPH 256 い 63
		penalty 123 (for kinsoku)
いい		glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		GLYPH 256 い 63
		GLYPH 256 い 63
		penalty 123 (for kinsoku)
い	ウ	glue 0 14.1pt (from JFM)
		GLYPH 256 ウ 63

JA-EN (pen あり)

		glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
		GLYPH 256 あ 63
あ	a	kern 1 12.1pt (from JFM)
		GLYPH 256 a 62
		GLYPH 256 い 63
		penalty 123 (for kinsoku)
い	a	glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
		GLYPH 256 a 62
		GLYPH 256 う 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 123 (for kinsoku)
う	a	glue 0 31.40001pt (from JFM)
		GLYPH 256 a 62
		GLYPH 256 え 63
		kern 1 17.3pt (from JFM)
え	a	GLYPH 256 a 62
		GLYPH 256 あ 63
		kern 1 -14.1pt (from 'lineend' in JFM)
		penalty 123 (for kinsoku)
お	a	glue 0 16.50066pt plus 1.0pt minus 1.0pt (xkanjiskip)
		GLYPH 256 a 62

EN-JA (pen あり)

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

italic correction

		GLYPH 256 f 37
		kern 1 2.11945pt (italic correction)
		penalty 123 (for kinsoku)
		glue 0 5.0pt minus 5.0pt (from JFM)
		hlist 0(8.8+1.2)x5.0 glue set -0.0976fil (packed)
		. glue 0 0.0pt plus 1.0fil minus 1.0fil
		. GLYPH 0 (60
		kern 1 0.0pt (italic correction)
		penalty 10000 (for kinsoku)
		glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
		hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
		. GLYPH 0 あ 60
f (あ)		. 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 1.0009fil (packed)
	. 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 1.0009fil (packed)
	. 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 1.0009fil (packed)
	. 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 1.0009fil (packed)
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil
	glue 0 0.0pt (kanjiskip)
あああ	hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
	. GLYPH 0 あ 60
	. glue 0 0.0pt plus 1.0fil minus 1.0fil

kanjiskip from JFM/autospacing (JA-EN)

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

more than one penalty

	GLYPH 256 お 63
	kern 1 -14.1pt (from 'lineend' in JFM)
	penalty 1701
	penalty 1701
	penalty 1701
	glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip)
おい	GLYPH 256 l\ 63

	<pre> GLYPH 256 お 63 kern 1 -14.1pt (from 'lineend' in JFM) penalty 1701 penalty 1701 penalty 1701 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 お 63 </pre>
おお	<hr/> <pre> glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM) GLYPH 256 あ 63 kern 1 -14.1pt (from 'lineend' in JFM) penalty 1701 penalty 1701 penalty 1701 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 あ 63 </pre>
あい	<hr/> <pre> glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM) GLYPH 256 あ 63 kern 1 -14.1pt (from 'lineend' in JFM) penalty 1701 penalty 1701 penalty 1701 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 あ 63 </pre>
あお	<hr/> <pre> GLYPH 256 あ 63 </pre>
その他	<pre> hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed) . GLYPH 0 あ 60 . glue 0 0.0pt plus 1.0fil minus 1.0fil kern 1 0.0pt (italic correction) penalty 0 (for kinsoku) kern 2 1.25pt (might be replaced) hlist 0(6.28473+0.0)x5.00002 . GLYPH 0 ~ 1 kern 2 -6.25002pt (might be replaced) GLYPH 256 A 1 penalty 0 (for kinsoku) hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed) . GLYPH 0 あ 60 . glue 0 0.0pt plus 1.0fil minus 1.0fil </pre>
あゎあ	<hr/> <pre> glue 0 10.3pt (from JFM) GLYPH 256 か 63 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 あ 63 kern 1 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 か 63 kern 1 8.5pt (from JFM) </pre>
かあか	<hr/> <pre> glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM) GLYPH 256 あ 63 kern 1 -14.1pt (from 'lineend' in JFM) penalty 0 (for kinsoku) glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) GLYPH 256 か 63 kern 1 8.5pt (from JFM) </pre>
あか	<hr/> <pre> glue 0 10.3pt (from JFM) penalty 0 (for kinsoku) GLYPH 512 か 63 penalty 0 (for kinsoku) glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) GLYPH 512 a 62 </pre>
か a	<hr/>