〝　　　　　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

╱
「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

0 1 0

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

JFM

JA–JA (pen　)

```
glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
GLYPH 256    63
kern 1 20.0pt (from JFM)
GLYPH 256    63
glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
GLYPH 256    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    63
glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
GLYPH 256    63
kern 1 -14.1pt (from 'lineend' in JFM)
penalty 0 (for kinsoku)
glue 0 28.20001pt (from JFM)
GLYPH 256    63
GLYPH 256    63
kern 1 20.0pt (from JFM)
GLYPH 256    63
GLYPH 256    63
glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
GLYPH 256    63
GLYPH 256    63
glue 0 14.1pt (from JFM)
GLYPH 256    63
```

JA–EN (pen　)

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

EN–JA (pen　)

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

JA–　kern (pen　　)

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

kern–JA (pen　　)

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

JA–hbox (pen   )

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

hbox–JA (pen   )

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

JA–penalty (pen   )
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    63
penalty 567
GLYPH 256    63
penalty 567
GLYPH 256    63
penalty 567
GLYPH 256    63
penalty 567
glue 0 10.3pt (from JFM)
GLYPH 256    63
kern 1 8.5pt (from JFM)
penalty 567
```

penalty–JA (pen   )
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)
GLYPH 256    63
penalty 567
GLYPH 256    63
penalty 567
GLYPH 256    63
```

JA–JA (pen　　)

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

JA–EN (pen　　)

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

EN–JA (pen　　)

```
GLYPH 256 a 62
penalty 321 (for kinsoku)
glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
```
a
```
GLYPH 256    63
GLYPH 256 a 62
penalty 321 (for kinsoku)
glue 0 14.1pt (from JFM)
```
a
```
GLYPH 256    63
GLYPH 256 a 62
penalty 321 (for kinsoku)
kern 1 20.0pt (from JFM)
```
a
```
GLYPH 256    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    60
```
f（あ
```
.  glue 0 0.0pt plus 1.0fil minus 1.0fil
```

[x]kanjiskip

kanjiskip from JFM, autospacing (JA–JA)

```
                              hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
                              .  GLYPH 0     60
                              .  glue 0 0.0pt plus 1.0fil minus 1.0fil
                              glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
あ                            GLYPH 256     63
                              hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
                              .  GLYPH 0     60
                              .  glue 0 0.0pt plus 1.0fil minus 1.0fil
                              glue 0 1.0pt plus 0.4pt minus 0.5pt (kanjiskip)
あ                            GLYPH 256     63
                              GLYPH 256     66
                              glue 0 1.1pt plus 0.44pt minus 0.55pt (kanjiskip)
                              GLYPH 256     63
                              hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
                              .  GLYPH 0     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     60
                              .  glue 0 0.0pt plus 1.0fil minus 1.0fil
                              glue 0 0.0pt (kanjiskip)
                              hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
                              .  GLYPH 0     60
あああ                        .  glue 0 0.0pt plus 1.0fil minus 1.0fil
```

kanjiskip from JFM/autoxspacing (JA–EN)

```
                              GLYPH 256     63
                              glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
X                             GLYPH 256 x 62
                              GLYPH 256     63
                              glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
X                             GLYPH 256 x 62
                              GLYPH 256     63
                              glue 0 0.0pt (xkanjiskip)
X                             GLYPH 256 x 62
                              GLYPH 256     63
                              glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip)
X                             GLYPH 256 x 62
                              GLYPH 256     63
                              glue 0 0.0pt (xkanjiskip)
X                             GLYPH 256 x 62
                              GLYPH 256     63
                              glue 0 0.0pt (xkanjiskip)
X                             GLYPH 256 x 62
```

kanjiskip from JFM/autoxspacing (EN–JA)

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

more than one penalty

```
                              GLYPH 256     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     63
```

```
                           GLYPH 256    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    63
                           glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
                           GLYPH 256    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    63
                           glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
                           GLYPH 256    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    63

                           hlist 0(8.8+1.2)x10.0 glue set 1.0009fil (packed)
                           .  GLYPH 0    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    60
あĂあ                        .  glue 0 0.0pt plus 1.0fil minus 1.0fil
                           glue 0 10.3pt (from JFM)
                           GLYPH 256    63
                           glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
                           GLYPH 256    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    63
                           kern 1 8.5pt (from JFM)
                           glue 0 9.4pt plus 2.3pt minus 4.5pt (from JFM)
                           GLYPH 256    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    63
                           kern 1 8.5pt (from JFM)
                           glue 0 10.3pt (from JFM)
                           penalty 0 (for kinsoku)
                           GLYPH 512    63
                           penalty 0 (for kinsoku)
                           glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
      a                    GLYPH 512 a 62
```