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 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

0 1 0

-1 6 8 9 -1 217

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

JFM

JA–JA (pen　)

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
6 glue 0 14.1pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    69 (8.8+1.2)x10.0
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    69 (8.8+1.2)x10.0
6 glue 0 14.1pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```

JA–EN (pen　)

a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```

EN–JA (pen　)

a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
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    69 (8.8+1.2)x10.0
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256 a 68 (5.2002+0.03906)x5.49805
6 glue 0 14.1pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256 a 68 (5.2002+0.03906)x5.49805
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```

JA–　kern (pen　)

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
6 kern 1 12.1pt (from JFM: priority 0)
D kern 1 3.0pt
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    69 (8.8+1.2)x10.0
D kern 1 3.0pt
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```

kern–JA (pen   )

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D kern 1 3.0pt
D glyph 256      69 (8.8+1.2)x10.0
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D kern 1 3.0pt
3 penalty 0 10000 (for kinsoku)
6 glue 0 14.1pt (from JFM: priority 0)
D glyph 256      69 (8.8+1.2)x10.0
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D kern 1 3.0pt
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256      69 (8.8+1.2)x10.0
```

JA–hbox (pen   )

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256      69 (8.8+1.2)x10.0
3 penalty 0 0 (for kinsoku)
6 kern 1 12.1pt (from JFM: priority 0)
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256      69 (8.8+1.2)x10.0
3 penalty 0 0 (for kinsoku)
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256      69 (8.8+1.2)x10.0
6 glue 0 17.3pt (from JFM: priority 0)
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256      69 (8.8+1.2)x10.0
3 penalty 0 0 (for kinsoku)
6 kern 1 17.3pt (from JFM: priority 0)
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256      69 (8.8+1.2)x10.0
6 kern 1 12.1pt (from JFM: priority 0)
D hlist 2 (8.8+1.2)x10.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.D glyph 256      69 (8.8+1.2)x10.0
```

a
```
.D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256      69 (8.8+1.2)x10.0
6 kern 1 12.1pt (from JFM: priority 0)
D hlist 2 (5.2002+0.03906)x5.49805, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.D glyph 256 a 68 (5.2002+0.03906)x5.49805
```

a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256      69 (8.8+1.2)x10.0
B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
D hlist 2 (5.2002+0.03906)x5.49805, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.D glyph 256 a 68 (5.2002+0.03906)x5.49805
```

hbox–JA (pen   )

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
3 penalty 0 0 (for kinsoku)
D glyph 256      69 (8.8+1.2)x10.0
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
6 glue 0 14.1pt (from JFM: priority 0)
D glyph 256      69 (8.8+1.2)x10.0
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
3 penalty 0 0 (for kinsoku)
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256      69 (8.8+1.2)x10.0
```

JA–JA (pen   )

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    69 (8.8+1.2)x10.0
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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    69 (8.8+1.2)x10.0
```

JA–EN (pen   )

a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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
```

EN–JA (pen   )

a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
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    69 (8.8+1.2)x10.0
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
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    69 (8.8+1.2)x10.0
```
a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256 a 68 (5.2002+0.03906)x5.49805
6 kern 1 20.0pt (from JFM: priority 0)
D glyph 256    69 (8.8+1.2)x10.0
```

JA–hbox (pen   )

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
3 penalty 0 123 (for kinsoku)
6 kern 1 12.1pt (from JFM: priority 0)
D hlist 2 (0.0+0.0)x0.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
```

```
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D glyph 256     69 (8.8+1.2)x10.0
                            3 penalty 0 123 (for kinsoku)
                            D hlist 2 (0.0+0.0)x0.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D glyph 256     69 (8.8+1.2)x10.0
                            3 penalty 0 123 (for kinsoku)
                            6 glue 0 17.3pt (from JFM: priority 0)
                            D hlist 2 (0.0+0.0)x0.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D glyph 256     69 (8.8+1.2)x10.0
                            3 penalty 0 123 (for kinsoku)
                            6 kern 1 17.3pt (from JFM: priority 0)
                            D hlist 2 (0.0+0.0)x0.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            F glue 0 9.4pt plus 2.3pt minus 4.5pt
                            D glyph 256     69 (8.8+1.2)x10.0
                            6 kern 1 12.1pt (from JFM: priority 0)
                            D hlist 2 (8.8+1.2)x10.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            .D glyph 256     69 (8.8+1.2)x10.0
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            F glue 0 9.4pt plus 2.3pt minus 4.5pt
                            D glyph 256     69 (8.8+1.2)x10.0
                            6 kern 1 12.1pt (from JFM: priority 0)
                            D hlist 2 (5.2002+0.03906)x5.49805, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            .D glyph 256 a 68 (5.2002+0.03906)x5.49805
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D glyph 256     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)x5.49805, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            .D glyph 256 a 68 (5.2002+0.03906)x5.49805
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D hlist 2 (8.8+1.2)x10.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            .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     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)x10.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            .D glyph 256     69 (8.8+1.2)x10.0
```

hbox–JA (pen　)

```
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D hlist 2 (0.0+0.0)x0.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            3 penalty 0 0 (for kinsoku)
                            D glyph 256     69 (8.8+1.2)x10.0
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D hlist 2 (0.0+0.0)x0.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            3 penalty 0 571 (for kinsoku)
                            6 glue 0 14.1pt (from JFM: priority 0)
                            D glyph 256     69 (8.8+1.2)x10.0
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            D hlist 2 (0.0+0.0)x0.0, dir=0
                            .D whatsit 44 userid:4 (direction) (node list) dir:  4
                            3 penalty 0 0 (for kinsoku)
                            6 kern 1 20.0pt (from JFM: priority 0)
                            D glyph 256     69 (8.8+1.2)x10.0
```

italic correction

```
                            D whatsit 44 userid:4 (direction) (node list) dir:  4
                            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)x5.0, dir=0 (packed)
                            .0 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)x10.0, dir=0 (packed)
                            .0 glyph 256     66 (8.11035+0.36133)x8.99902
```

[x]kanjiskip

kanjiskip from JFM, autospacing (JA–JA)

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
A glue 0 1.0pt plus 0.4pt minus 0.5pt (kanjiskip, JFM specified)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    72 (10.56+1.44)x12.0
A glue 0 1.1pt plus 0.44pt minus 0.55pt (kanjiskip, JFM specified)
D glyph 256    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
```

kanjiskip from JFM/autoxspacing (JA–EN)

```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256    69 (8.8+1.2)x10.0
  B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
X D glyph 256 x 68 (5.07813+0.0)x4.8877
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256    69 (8.8+1.2)x10.0
  B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
X D glyph 256 x 68 (5.07813+0.0)x4.8877
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256    69 (8.8+1.2)x10.0
  B glue 0 0.0pt (xkanjiskip)
X D glyph 256 x 68 (5.07813+0.0)x4.8877
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256    69 (8.8+1.2)x10.0
  C glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip, JFM specified)
X D glyph 256 x 68 (5.07813+0.0)x4.8877
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256    69 (8.8+1.2)x10.0
  B glue 0 0.0pt (xkanjiskip)
X D glyph 256 x 68 (5.07813+0.0)x4.8877
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256    69 (8.8+1.2)x10.0
  B glue 0 0.0pt (xkanjiskip)
X D glyph 256 x 68 (5.07813+0.0)x4.8877
```

xkanjiskip from JFM/autoxspacing (EN–JA)

```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256 x 68 (5.07813+0.0)x4.8877
  B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
X D glyph 256    69 (8.8+1.2)x10.0
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256 x 68 (5.07813+0.0)x4.8877
  B glue 0 2.40553pt plus 1.0pt minus 1.0pt (xkanjiskip)
X D glyph 256    69 (8.8+1.2)x10.0
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256 x 68 (5.07813+0.0)x4.8877
  B glue 0 0.0pt (xkanjiskip)
X D glyph 256    69 (8.8+1.2)x10.0
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  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)
X D glyph 256    69 (8.8+1.2)x10.0
```
```
  D whatsit 44 userid:4 (direction) (node list) dir:  4
  D glyph 256 x 68 (5.07813+0.0)x4.8877
  B glue 0 0.0pt (xkanjiskip)
X D glyph 256    69 (8.8+1.2)x10.0
```
```
    D whatsit 44 userid:4 (direction) (node list) dir:  4
    D glyph 256 x 68 (5.07813+0.0)x4.8877
    B glue 0 0.0pt (xkanjiskip)
    D glyph 256    69 (8.8+1.2)x10.0
    9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
    D glyph 256    69 (8.8+1.2)x10.0
    B glue 0 0.0pt (xkanjiskip)
X   X D glyph 256 x 68 (5.07813+0.0)x4.8877
```

more than one penalty

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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    69 (8.8+1.2)x10.0
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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    69 (8.8+1.2)x10.0
```

: italic correction and accents

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x10.0, dir=0 (packed)
.0 glyph 256    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
```
あ j
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x5.0, dir=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
```
）j
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256    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)x5.00002, dir=0, 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
```
Ă

: box boundary

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
F glue 0 10.3pt
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
F kern 1 8.5pt
```
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
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    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 512    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 512    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
```
a   a
```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256 a 68 (5.2002+0.03906)x5.49805
D hlist 2 (8.8+1.2)x28.8, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.F glue 0 10.3pt
.D glyph 256    69 (8.8+1.2)x10.0
.F kern 1 8.5pt
D glyph 256 a 68 (5.2002+0.03906)x5.49805
```
a   a

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256     69 (8.8+1.2)x10.0
3 penalty 0 0 (for kinsoku)
D hlist 2 (8.8+1.2)x28.8, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.F glue 0 10.3pt
.D glyph 256     69 (8.8+1.2)x10.0
.F kern 1 8.5pt
3 penalty 0 0 (for kinsoku)
D glyph 256     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)x10.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.D glyph 256     69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256     69 (8.8+1.2)x10.0
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x10.0, dir=0 (packed)
.0 glyph 256     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)x5.0, dir=0
.D whatsit 44 userid:4 (direction) (node list) dir:  4
.2 hlist 0 (8.8+1.2)x5.0, dir=0 (packed)
..0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x5.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     66 (8.11035+0.36133)x8.99902
```

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: paragraph, hbox and math boundary

```
0 whatsit 44 userid:4 (direction) (node list) dir: 4
0 whatsit 6 6
0 hlist 3 (0.0+0.0)x19.2, dir=0
F glue 0 6.8pt plus 0.2pt minus 0.4pt
D glyph 256    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    69 (8.8+1.2)x10.0
D penalty 0 10000
0 glue 15 30.0pt
0 glue 9 0.0pt
```

```
0 whatsit 44 userid:4 (direction) (node list) dir: 4
0 whatsit 6 6
F glue 0 10.3pt
D glyph 256    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    69 (8.8+1.2)x10.0
D penalty 0 10000
0 glue 15 30.0pt
0 glue 9 0.0pt
```

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
F glue 0 10.3pt
D glyph 256    69 (8.8+1.2)x10.0
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    69 (8.8+1.2)x10.0
F glue 0 7.8pt
```

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
F glue 0 9.4pt plus 2.3pt minus 4.5pt
D glyph 256    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    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    69 (8.8+1.2)x10.0
```

a   *a*
```
F kern 1 8.5pt
```

: unhbox

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
2 hlist 0 (8.4675+1.15466)x4.81108, dir=0 (packed)
.0 glyph 256    51 (8.4675+1.15466)x9.62216
```
a
```
D glyph 512 a 68 (5.2002+0.03906)x5.49805
```

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
2 hlist 0 (8.4675+1.15466)x4.81108, dir=0 (packed)
.0 glyph 256    51 (8.4675+1.15466)x9.62216
```
a
```
D glyph 512 a 68 (5.2002+0.03906)x5.49805
```

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
2 hlist 0 (8.4675+1.15466)x4.81108, dir=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)x4.81108, dir=0 (packed)
.0 glyph 256    51 (8.4675+1.15466)x9.62216
2 hlist 0 (8.4675+1.15466)x4.81108, dir=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)x4.81108, dir=0 (packed)
.0 glyph 256    51 (8.4675+1.15466)x9.62216
2 hlist 0 (8.4675+1.15466)x4.81108, dir=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)x4.81108, dir=0 (packed)
.0 glyph 256    51 (8.4675+1.15466)x9.62216
```

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
D glyph 256    51 (8.4675+1.15466)x9.62216
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    51 (8.4675+1.15466)x9.62216
```

```
D whatsit 44 userid:4 (direction) (node list) dir: 4
D glyph 256    51 (8.4675+1.15466)x9.62216
9 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
D glyph 256    51 (8.4675+1.15466)x9.62216
```

JFM

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256     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)x2.40555, dir=0 (packed)
.0 glyph 256     53 (4.23375+0.57733)x4.81108
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
D glyph 256     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)x4.81108, dir=0 (packed)
.0 glyph 256     51 (8.4675+1.15466)x9.62216
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (4.23375+0.57733)x2.40555, dir=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)x4.81108, dir=0 (packed)
.0 glyph 256     51 (8.4675+1.15466)x9.62216
```

```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.4675+1.15466)x4.81108, dir=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)x2.40555, dir=0 (packed)
.0 glyph 256     53 (4.23375+0.57733)x4.81108
```

: JFM and kerning

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```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     73 (7.83+0.38)x10.0
```

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```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     74 (7.83+0.38)x10.0
```

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```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256     73 (7.83+0.38)x10.0
```

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```
D whatsit 44 userid:4 (direction) (node list) dir:  4
2 hlist 0 (8.8+1.2)x10.0, dir=0 (packed)
.0 glyph 256     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)x10.0, dir=0 (packed)
.0 glyph 256  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)x10.0, dir=0 (packed)
.0 glyph 256     73 (1.35+0.0)x10.0
```