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 \S ¶ $^{\circ}$ £ Ұ $^{\circ}$ iso8859-1 欧文扱い:1 \S ¶ $^{\circ}$ £ ¥ $^{\circ}$

文字範囲の状況取得

010

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

あがか き く け ごはを 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 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                       .8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                      4 kern 1 20.0pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
                   ア
    あ
                                                       .8 glyph 256 \overline{\mathcal{P}} 63 (0.0+0.0)x10.0
                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      .8 glyph 256 5 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 0 (for kinsoku)
                                                      6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
    あイ
                                                       .8 glyph 256 イ 63 (0.0+0.0)x10.0
                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      2 hlist 0(8.841.2)x10.0 (packed)
8 glyph 256 56 30.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 0 (for kinsoku)
4 glue 0 28.20001pt (from JFM)
2 hlist 0(8.841.2)x10.0 (packed)
.8 glyph 256 76 30 (0.0+0.0)x10.0
                ウ
    あ
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 | 1 63 (0.0+0.0)x10.0
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 \mathcal{P} 63 (0.0+0.0)x10.0
l١
              ァ
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      .8 glyph 256 tl 63 (0.0+0.0)x10.0
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
いイ
                                                       .8 glyph 256 イ 63 (0.0+0.0)x10.0
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 \ \ 63 (0.0+0.0)x10.0
                                                      4 glue 0 14.1pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
L١
           ゥ
                                                      .8 glyph 256 ウ 63 (0.0+0.0)x10.0
      JA-EN (pen なし)
                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                       .8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                      4 kern 1 12.1pt (from JFM)
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
    あ
               а
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      .8 glyph 256 $\infty$ 63 (0.0+0.0)x10.0 7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
lla
                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      .8 glyph 256 5 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
                                                      3 penalty 0 0 (for kinsoku)
4 glue 0 31.40001pt (from JFM)
う
                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
             а
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      .8 glyph 256 え 63 (0.0+0.0)x10.0
4 kern 1 17.3pt (from JFM)
え
                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
             а
                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                      .8 glyph 256 $\displays 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
                                                      3 penalty 0 0 (for kinsoku)
                                                      7 glue 0 16.50066pt plus 1.0pt minus 1.0pt (xkanjiskip)
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
おa
      EN-JA (pen なし)
                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                                                      7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
aあ
                                                       .8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                                                      4 glue 0 14.1pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
         しり
                                                       .8 glyph 256 1 63 (0.0+0.0)x10.0
                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
4 kern 1 20.0pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 3 63 (0.0+0.0)x10.0
            う
а
```

```
JA-明 kern (pen なし)
                                                             glue 0 9.4pt plus 2.3pt minus 4.5pt
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                          4 kern 1 12.1pt (from JFM)
8 kern 1 3.0pt
     あ
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
                                                          .8 glyph 256 l 1 63 (0.0+0.0)x10.0
8 kern 1 3.0pt
l١
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 \supset 63 (0.0+0.0)x10.0

5 kern 1 -14.1pt (from 'lineend' in JFM)
                                                          3 penalty 0 10000 (for kinsoku)
4 glue 0 31.40001pt (from JFM)
う
                                                           8 kern 1 3.0pt
       明 kern-JA (pen なし)
                                                          8 kern 1 3.0pt
2 hlist 0(8.8+1.2)x10.0 (packed)
 あ
                                                            .8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                           8 kern 1 3.0pt
                                                          3 penalty 0 10000 (for kinsoku)
4 glue 0 14.1pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
        L١
                                                          .8 glyph 256 1 63 (0.0+0.0)x10.0
8 kern 1 3.0pt
                                                          4 kern 1 20.0pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
            う
                                                           .8 glyph 256 う 63 (0.0+0.0)x10.0
       JA-hbox (pen なし)
                                                          F glue 0 9.4pt plus 2.3pt minus 4.5pt 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                           .8 glyph 256 あ 63 (0.0+0.0)x10.0
3 penalty 0 0 (for kinsoku)
                                                          4 kern 1 12.1pt (from JFM)
8 hlist 2(0.0+0.0)x0.0
     あ
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 | 1 63 (0.0+0.0)x10.0
                                                           3 penalty 0 0 (for kinsoku)
L١
                                                          8 hlist 2(0.0+0.0)x0.0
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 \supset 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
                                                          3 penalty 0 0 (for kinsoku)
4 glue 0 31.40001pt (from JFM)
う
                                                           8 hlist 2(0.0+0.0)x0.0
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
                                                          2 miss (0.071.2) miss (0.071.0) (packed)
8 glyph 256 $\frac{7}{6}$ 63 (0.0+0.0) x10.0
3 penalty 0 0 (for kinsoku)
4 kern 1 17.3pt (from JFM)
え
                                                          F glue 0 9.4pt plus 2.3pt minus 4.5pt
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                          4 kern 1 12.1pt (from JFM)
8 hlist 2(8.8+1.2)x10.0
                                                          8 hlist 2(8.8+1.2)x10.0 (packed)
...8 glyph 256 ア 63 (0.0+0.0)x10.0
F glue 0 9.4pt plus 2.3pt minus 4.5pt
2 hlist 0(8.8+1.2)x10.0 (packed)
...8 glyph 256 あ 63 (0.0+0.0)x10.0
                ア
     あ
                                                          4 kern 1 12.1pt (from JFM)
8 hlist 2(5.2002+0.03906)x5.49805
     あ
                                                           .8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                а
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 | 1 63 (0.0+0.0)x10.0
                                                          7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
8 hlist 2(5.2002+0.03906)x5.49805
lla.
                                                            .8 glyph 256 a 62 (5.2002+0.03906)x5.4980
       hbox-JA (pen なし)
                                                          8 hlist 2(0.0+0.0)x0.0
3 penalty 0 0 (for kinsoku)
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0
あ
                                                          8 hlist 2(0.0+0.0)x0.0
                                                          4 glue 0 14.1pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
       11
                                                           .8 glyph 256 11 63 (0.0+0.0)x10.0
                                                          8 hlist 2(0.0+0.0)x0.0
                                                          3 penalty 0 0 (for kinsoku)
4 kern 1 20.0pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
          う
                                                           .8 glyph 256 う 63 (0.0+0.0)x10.0
```

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JA-JA (pen あり)
                                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt 2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0 4 kern 1 20.0pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
      あ
                         ァ
                                                                        .8 glyph 256 7 63 (0.0+0.0)x10.0
                                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                        .8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                                      5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 123 (for kinsoku)
                                                                      6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
      あイ
                                                                        .8 glyph 256 イ 63 (0.0+0.0)x10.0
                                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 d5 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 123 (for kinsoku)
4 glue 0 28.20001pt (from JFM)
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 ウ 63 (0.0+0.0)x10.0

2 hlist 0(8.8+1.2)x10.0 (packed)
      あ
                     ゥ
                                                                      2 filst 0(6.541.2)x10.0 (packed)

8 glyph 256 | 163 (0.0+0.0)x10.0

4 kern 1 20.0pt (from JFM)

2 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 7 63 (0.0+0.0)x10.0
11
                   ァ
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 | 1 63 (0.0+0.0)x10.0
                                                                      3 penalty 0 123 (for kinsoku)
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 1 63 (0.0+0.0)x10.0
2 hlist 0(8.8+1.2)x10.0 (packed)
いイ
                                                                      2 filst 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 Vl 63 (0.0+0.0)x10.0

3 penalty 0 123 (for kinsoku)

4 glue 0 14.1pt (from JFM)

2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                       .8 glyph 256 ウ 63 (0.0+0.0)x10.0
い ウ
        JA-EN (pen あり)
                                                                      F glue 0 9.4pt plus 2.3pt minus 4.5pt
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0
                                                                      4 kern 1 12.1pt (from JFM)
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
      あ
                   а
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                      .8 glyph 256 ll 63 (0.0+0.0)x10.0
3 penalty 0 123 (for kinsoku)
                                                                      7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
l1a
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 5 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 123 (for kinsoku)
                                                                      4 glue 0 31.40001pt (from JFM)
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
う
                 а
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                      2 miles (0.01-12)Miles (packed)

-8 glyph 256 $\bar{\pi}$ 63 (0.0+0.0)x10.0

4 kern 1 17.3pt (from JFM)

8 glyph 256 a 62 (5.2002+0.03906)x5.49805
え
                 а
                                                                      2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 お 63 (0.0+0.0)x10.0
                                                                       5 kern 1 -14.1pt (from 'lineend' in JFM)
                                                                      3 penalty 0 123 (for kinsoku)
7 glue 0 16.50066pt plus 1.0pt minus 1.0pt (xkanjiskip)
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
お a
        EN-JA (pen あり)
                                                                      8 glyph 256 a 62 (5.2002+0.03906)x5.49805
3 penalty 0 321 (for kinsoku)
7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                       .8 glyph 256 あ 63 (0.0+0.0)x10.0
aあ
                                                                       8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                                                                      3 penalty 0 892 (for kinsoku)
4 glue 0 14.1pt (from JFM)
                                                                       2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                      .8 glyph 256 ll 63 (0.0+0.0)x10.0
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
            11
                                                                      4 kern 1 20.0pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
                う
                                                                       .8 glyph 256 う 63 (0.0+0.0)x10.0
а
```

```
JA-hbox (pen あり)
                                                                                                     F glue 0 9.4pt plus 2.3pt minus 4.5pt
                                                                                                     2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0
4 kern 1 12.1pt (from JFM)
8 hlist 2(8.8+1.2)x10.0
                                                                                                   8 hlist 2(8.8+1.2)x10.0

2 hlist 0(8.8+1.2)x10.0 (packed)

...8 glyph 256 $\mathcal{P}$ 63 (0.0+0.0)x10.0

F glue 0 9.4pt plus 2.3pt minus 4.5pt

2 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 $\mathcal{B}$ 63 (0.0+0.0)x10.0

4 kern 1 12.1pt (from JFM)

8 hlist 2(5.2002+0.03906)x5.49805
         あ
                            ア
         あ
                                                                                                       .8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                            а
                                                                                                     20 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 l 63 (0.0+0.0)x10.0

3 penalty 0 123 (for kinsoku)

7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)

8 hlist 2(5.2002+0.03906)x5.49805
                                                                                                   8 hlist 2(5.2002+0.03906)x5.49805
.8 glyph 256 a 62 (5.2002+0.03906)x5.49805
8 hlist 2(8.8+1.2)x10.0 (packed)
.2 hlist 0(8.8+1.2)x10.0 (packed)
.3 glyph 256 ( 63 (0.0+0.0)x10.0
3 penalty 0 571 (for kinsoku)
4 glue 0 14.1pt (from JFM)
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 l 63 (0.0+0.0)x10.0
3 penalty 0 123 (for kinsoku)
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
8 hlist 2(8.8+1.2)x10.0
2 hlist 0(8.8+1.2)x10.0
2 hlist 0(8.8+1.2)x10.0 (packed)
l1a
                                                                                                      .2 hlist 0(8.8+1.2)x10.0 (packed)
  ( 11)
                                                                                                       ..8 glyph 256 ) 63 (0.0+0.0)x10.0
            italic correction
                                                                                                     8 glyph 256 f 37 (6.94444+1.94444)x3.06665
9 kern 1 2.11945pt (italic correction)
3 penalty 0 123 (for kinsoku)
4 glue 0 5.0pt minus 5.0pt (from JFM)
2 hlist 0(8.8+1.2)x5.0 (packed)
                                                                                                     2 hist 0(0.012)35.0 (packed)

.0 kern 0 -0.09766pt

.8 glyph 256 ( 60 (8.32031+0.71777)x5.09766

9 kern 1 0.0pt (italic correction)

3 penalty 0 10000 (for kinsoku)
                                                                                                     6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                                                       .8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
f (\delta
                                                                                                       .0 kern 0 1.00098pt
```

[x]kanjiskip の挿入

kanjiskip from	${f JFM, autospacing \ (JA-JA)}$
	2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
	.0 kern 0 1.00098pt
あ あ	6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 あ63 (0.0+0.0)x10.0
<i>u.,</i> 03	2 hlist 0(8.8+1.2)x10.0 (packed)
	.8 glyph 256 あ 60 (8.11035+0.36133)x8.99902 .0 kern 0 1.00098pt
	6 glue 0 1.0pt plus 0.4pt minus 0.5pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
あ あ	.8 glyph 256 あ 63 (0.0+0.0)x10.0
	2 hlist 0(10.56+1.44)x12.0 (packed) .8 glyph 256 は 66 (0.0+0.0)x12.0
	6 glue 0 1.1pt plus 0.44pt minus 0.55pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
はぁ	2 mist 0(8.841.2)x10.0 (packed) .8 glyph 256 あ 63 (0.0+0.0)x10.0
	2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
	.0 kern 0 1.00098pt
	6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
	.8 glyph 256 5 60 (8.11035+0.36133)x8.99902 .0 kern 0 1.00098pt
	6 glue 0 0.0pt (kanjiskip)
μ μ μ	2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
あああ	.0 kern 0 1.00098pt
kanjiskip from JFM/autoxspacing (JA–EN)	
kanjiskip irom e	2 hlist 0(8.8+1.2)x10.0 (packed)
	.8 glyph 256 ま 63 (0.0+0.0)x10.0
ŧх	7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) 8 glyph 256 x 62 (5.07813+0.0)x4.8877
	2 hlist 0(8.8+1.2)x10.0 (packed)
	.8 glyph 256 ま 63 (0.0+0.0)x10.0 7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
まx	8 glyph 256 x 62 (5.07813+0.0)x4.8877
	2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 ま 63 (0.0+0.0)x10.0
ŧх	7 glue 0 0.0pt (xkanjiskip) 8 glyph 256 x 62 (5.07813+0.0)x4.8877
	2 hlist 0(8.8+1.2)x10.0 (packed)
	.8 glyph 256 ま 63 (0.0+0.0)x10.0 7 glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip)
まx	8 glyph 256 x 62 (5.07813+0.0)x4.8877
	2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 ま 63 (0.0+0.0)x10.0
ŧх	7 glue 0 0.0pt (xkanjiskip) 8 glyph 256 x 62 (5.07813+0.0)x4.8877
01 /-	2 hlist 0(8.8+1.2)x10.0 (packed)
	.8 glyph 256 ま 63 (0.0+0.0)x10.0 7 glue 0 0.0pt (xkanjiskip)
まx	8 glyph 256 x 62 (5.07813+0.0)x4.8877
xkanjiskip from JFM/autoxspacing (EN-JA)	
Jonep ir Oili	8 glyph 256 x 62 (5.07813+0.0)x4.8877
	7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
хŧ	.8 glyph 256 ま 63 (0.0+0.0)x10.0
	8 glyph 256 x 62 (5.07813+0.0)x4.8877 7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
хま	2 hlist 0(8.8+1.2)x10.0 (packed)
^ &	
	7 glue 0 0.0pt (xkanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
xま	2 milst 0(8.6+1.2/x10.0 (packed) .8 glyph 256 ま 63 (0.0+0.0)x10.0
	8 glyph 256 x 62 (5.07813+0.0)x4.8877 7 glue 0 3.1pt plus 0.45pt minus 0.57pt (xkanjiskip)
., ±	2 hlist 0(8.8+1.2)x10.0 (packed)
x ま	
	7 glue 0 0.0pt (xkanjiskip)
xま	2 hlist 0(8.8+1.2)x10.0 (packed) .8 glyph 256 ま 63 (0.0+0.0)x10.0

```
8 glyph 256 x 62 (5.07813+0.0)x4.8877
                                                             glue 0 0.0pt (xkanjiskip)
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 $\displays 63 (0.0+0.0)x10.0
                                                          6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
                                                         28 glyph 256 ★ 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 0 (for kinsoku)
                                                             glue 0 14.1pt (xkanjiskip)
xまおx
                                                          8 glyph 256 x 62 (5.07813+0.0)x4.8877
      more than one penalty
                                                         8 penalty 0 1701
8 penalty 0 1701
8 penalty 0 1701
6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip)
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 ll 63 (0.0+0.0)x10.0
おい
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 $\frac{1}{3}$ 63 (0.0+0.0)x10.0

5 kern 1 -14.1pt (from 'lineend' in JFM)

8 penalty 0 1701
                                                         8 penalty 0 1701
8 penalty 0 1701
                                                         おお
                                                          F glue 0 9.4pt plus 2.3pt minus 4.5pt
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
8 penalty 0 1701
                                                         8 penalty 0 1701
8 penalty 0 1701
6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip)
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 | 1 63 (0.0+0.0)x10.0
     あい
                                                         8 glyph 250 V 63 (0.040.0)x10.0

2 hlist 0(8.8+1.2)x10.0 (packed)

.8 glyph 256 あ 63 (0.0+0.0)x10.0

5 kern 1 -14.1pt (from 'lineend' in JFM)

8 penalty 0 1701
                                                         8 penalty 0 1701
8 penalty 0 1701
                                                         6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
     あお
                                                           .8 glyph 256 お 63 (0.0+0.0)x10.0
      その他: italic correction and accents
                                                          2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
                                                          .0 kern 0 1.00098pt
9 kern 1 0.0pt (italic correction)
                                                         7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
8 glyph 256 j 1 (6.67859+1.94444)x3.05557
あ j
                                                         7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
                                                         8 kern 2 1.25pt (for accent)
8 hlist 0(6.28473+0.0)x5.00002
.0 glyph 0 ~ 1 (6.28473+0.0)x5.00002
8 kern 2 -6.25002pt (for accent)
                                                         8 glyph 256 A 1 (6.83331+0.0)x7.50002
3 penalty 0 10000 (for kinsoku)
                                                         7 glue 0 0.0pt (xkanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
れĂ)
                                                           .8 glyph 256 ) 63 (0.0+0.0)x10.0
       その他: box boundary
                                                          F glue 0 10.3pt
2 hlist 0(8.8+1.2)x10.0 (packed)
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)
8 glyph 256 か 63 (0.0+0.0)x10.0
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
8 glyph 256 あ 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 0 (for kinsoku)
                                                          6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip)
                                                         2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 か 63 (0.0+0.0)x10.0
     かあか
                                                          F kern 1 8.5pt
```

```
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                                                                       7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 か 63 (0.0+0.0)x10.0
                                                                       6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                       8 glyph 256 5 63 (0.0+0.0)x10.0
5 kern 1 -14.1pt (from 'lineend' in JFM)
3 penalty 0 0 (for kinsoku)
                                                                       6 glue 0 14.1pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                       .8 glyph 256 \hbar\ 63 (0.0+0.0)x10.0
7 glue 0 2.40065pt plus 1.0pt minus 1.0pt (xkanjiskip)
a かあか a
                                                                       8 glyph 256 a 62 (5.2002+0.03906)x5.49805
                                                                       8 glyph 256 a 62 (5.2002+0.03906)x5.49805
8 hlist 2(8.8+1.2)x28.8
                                                                       F glue 0 10.3pt
2 hlist 0(8.8+1.2)x10.0 (packed)
3 glyph 256 th 63 (0.0+0.0)x10.0
5 kern 1 8.5pt
8 glyph 256 a 62 (5.2002+0.03906)x5.49805
a か a
                                                                       3 penalty 0 0 (for kinsoku)
8 hlist 2(8.8+1.2)x28.8
.F glue 0 10.3pt
                                                                        .2 hlist 0(8.8+1.2)x10.0 (packed)
..8 glyph 256 ħ 63 (0.0+0.0)x10.0
                                                                       .F kern 1 8.5pt
3 penalty 0 0 (for kinsoku)
                                                                       3 penalty 0 0 (for kinsoku)
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 き る (0.0+0.0)x10.0
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
8 hlist 2(8.8+1.2)x10.0
                                                                        .2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                       2 niist (v6.ori.2)XIU.U (packed)
...8 glyph 256 き 63 (0.0+0.0)x10.0
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 き 63 (0.0+0.0)x10.0
き か ききき
                                                                        2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                        .8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
.0 kern 0 1.00098pt
                                                                      .0 kern 0 1.00098pt
3 penalty 0 1000 (for kinsoku)
6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
8 hlist 2(8.8+1.2)x5.0
.2 hlist 0(8.8+1.2)x5.0 (packed)
.0 kern 0 -0.09766pt
.8 glyph 256 ( 60 (8.32031+0.71777)x5.09766
3 penalty 0 1000 (for kinsoku)
                                                                       6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip) 2 hlist 0(8.8+1.2)x10.0 (packed)
                                                                        .8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
.0 kern 0 1.00098pt
                                                                       A penalty 0 1000 (for kinsoku)
4 glue 0 5.0pt minus 5.0pt (from JFM)
2 hlist 0(8.8+1.2)x5.0 (packed)
                                                                       2 histor 0 -0.09766pt

.8 glyph 256 ( 60 (8.32031+0.71777)x5.09766

3 penalty 0 10000 (for kinsoku)

6 glue 0 0.0pt plus 0.4pt minus 0.4pt (kanjiskip)
                                                                       2 hlist 0(8.8+1.2)x10.0 (packed)
.8 glyph 256 あ 60 (8.11035+0.36133)x8.99902
あ(あ(あ
                                                                        .0 kern 0 1.00098pt
```

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