

作りましょう 0.11

パラメタ方式フォントファミリ
校とプリティプリントのソース

Tsukurimashou 0.11

Parametric Font Family
Proofs and pretty-printed
source code

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Proofs and pretty-printed source code for Tsukurimashou
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Volume XVI

Mandeubsida alternates

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FF2

mande-ff3.mp

FF3

mande-ff4.mp

FF4

mande-ff5.mp

FF5

mande-ff6.mp

FF6

mande-ff7.mp

FF7

mande-ff2.mp

FF2

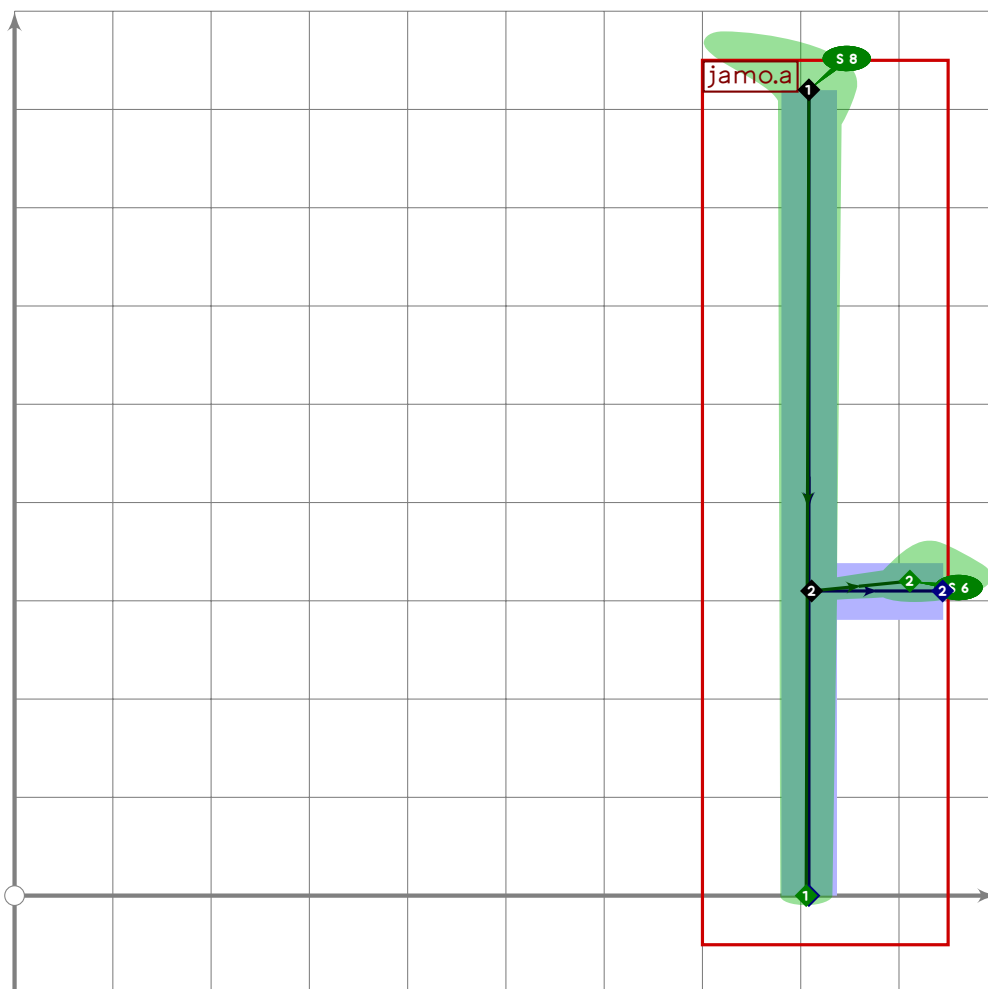
```
1 %
2 % Unicode page FF2 (alternate glyphs for vowel jamo) for Mandeubsida
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input hangul.mp;
37 input jamo-basic.mp;
38 input jamo-extra.mp;
39
40 do_late_includes;
41
42
43
44 % This file covers vowel jamo for the "empty tail" layouts (layouts 3, 4,
45 % and 5). Consonant bug letters for layout 0, formerly on this page, have
46 % been moved to page FF7 because we ran out of space here on FF2. These are
47 % private-use code points and have no stability guarantees anyway.
48
49 transform lixf,loxf,vixf,tvixf,voxf;
50
51 lixf=loxf=hxf((50,850),(700,525));
52 vixf=hxf((700,275),(950,-50));
53 tvixf=hxf((700,335),(950,-50));
54 voxf=identity;
55
56
57
```

Hangul Jungseong (Vowel) Jamo

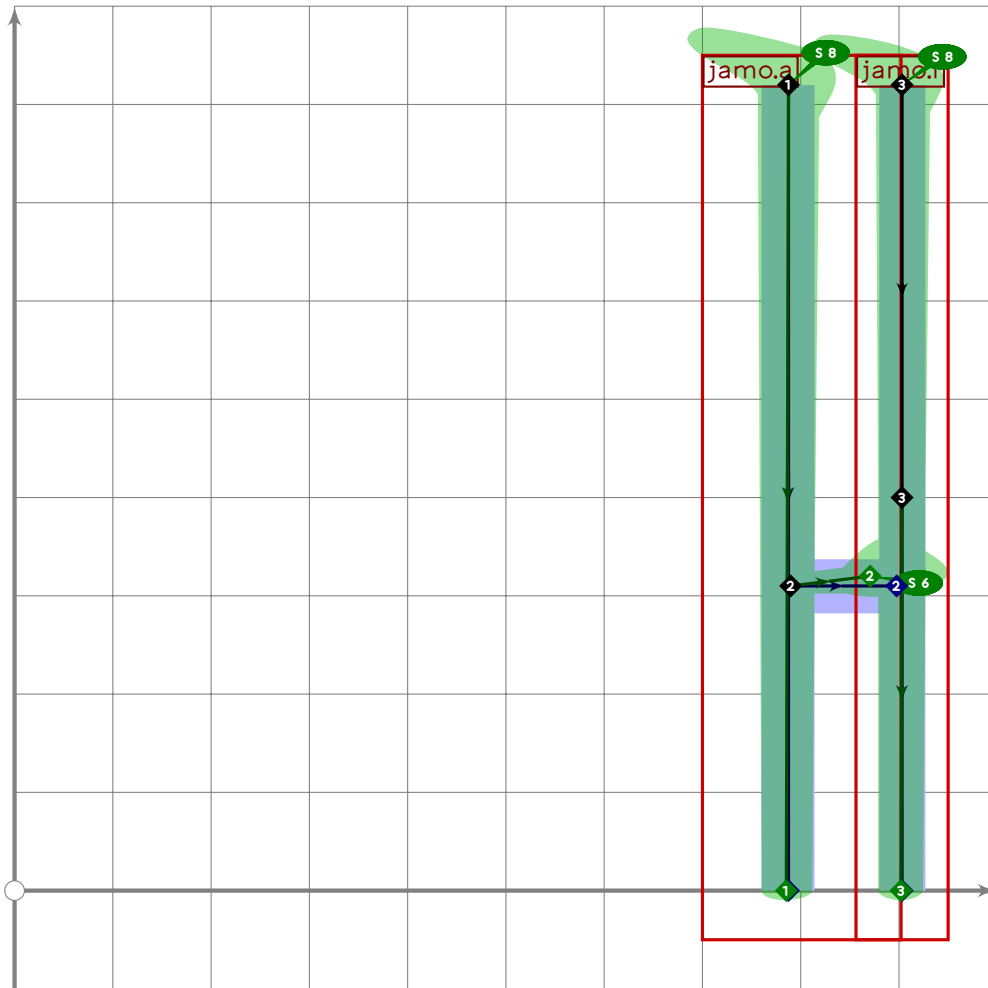
```
58 % HANGUL JUNGSEONG (VOWEL) JAMO
59
60 tsu_rescale_full;
61
```

U+FF261
mande.uni1161.nt

FF2



```
62 % hangul vowel a
63 beginsuglyph("uni1161.nt";97);
64   hangul.jamo.a(300,vixf,vox);
65   tsu_render;
66 endsuglyph;
67
```

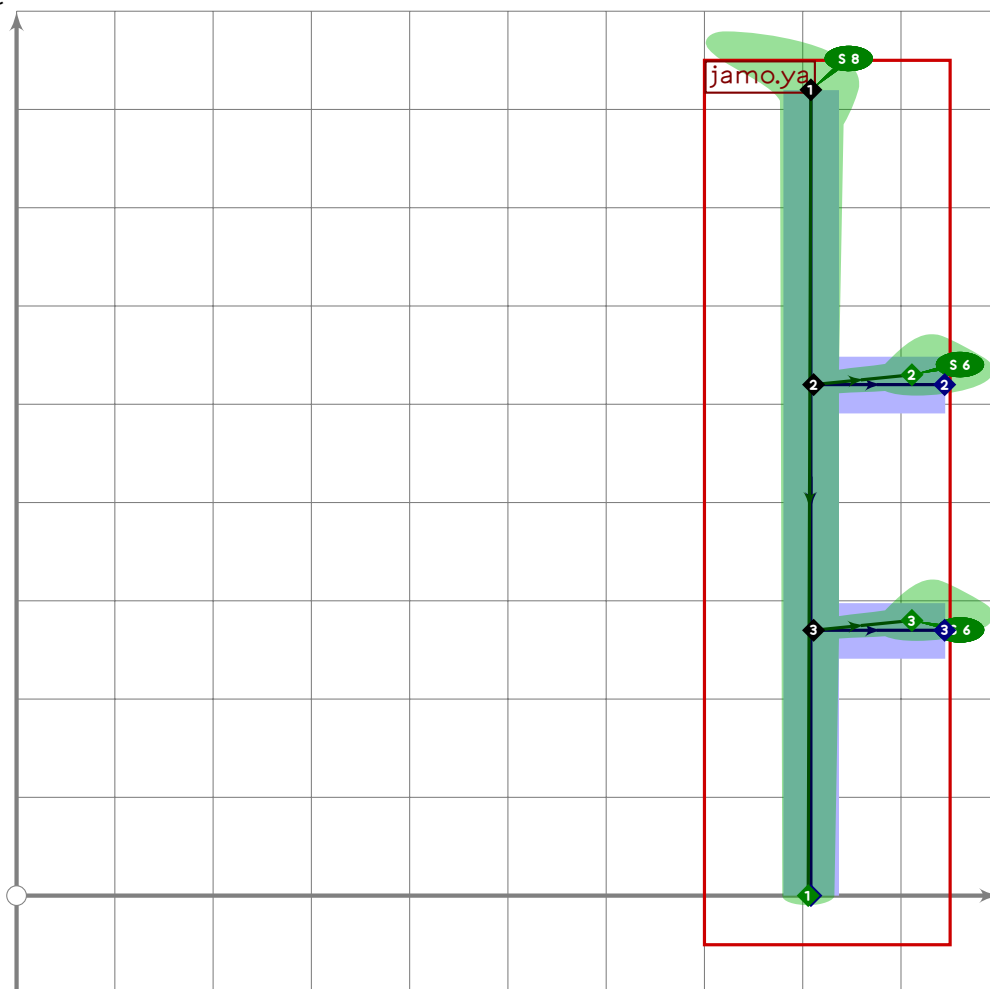
```

68 % hangul vowel ae
69 begintsuglyph("uni1162.nt",98);
70   hangul.combine.lr(300,320)(301,vixf,vox);
71   tsu_render;
72 endtsuglyph;
73

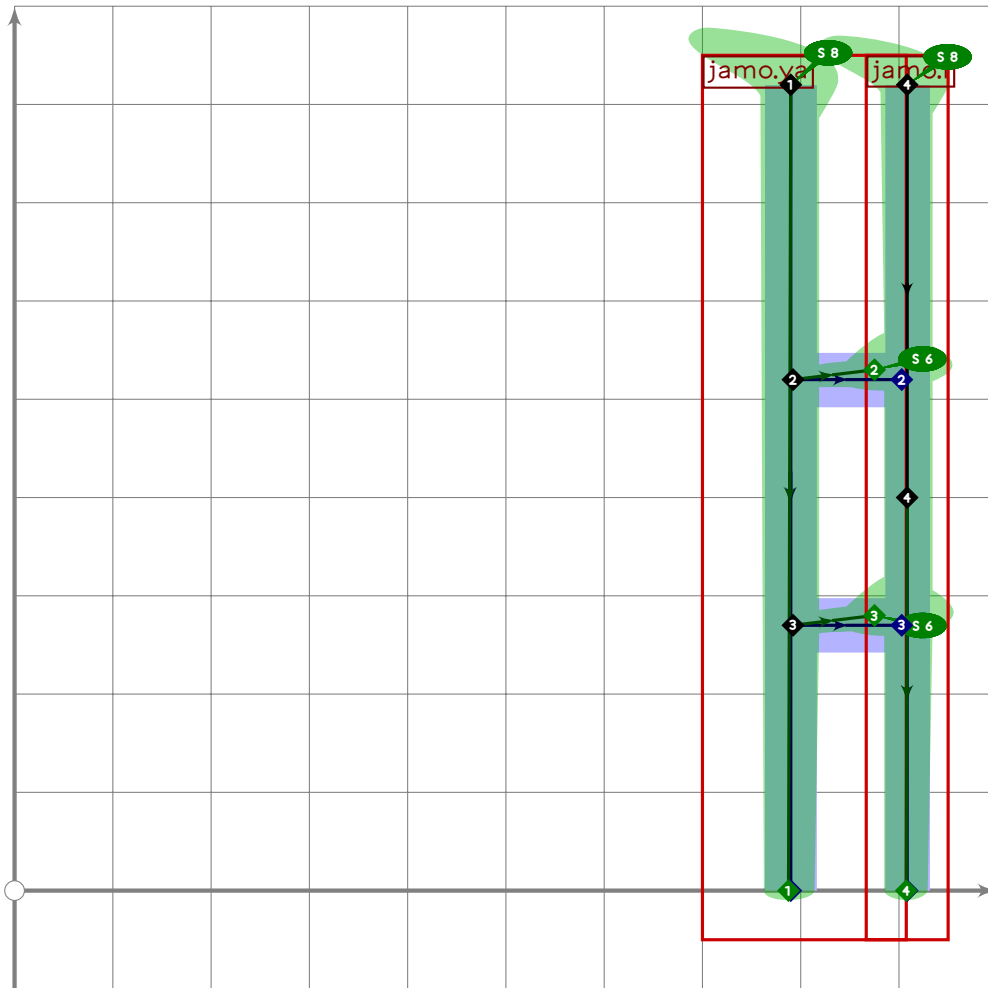
```

U+FF263
mande.uni1163.nt

FF2



```
74 % hangul vowel ya
75 begint Suglyph("uni1163.nt",99);
76   hangul.jamo.ya(302,vixf,vox);
77   tsu_render;
78 endtsuglyph;
79
```

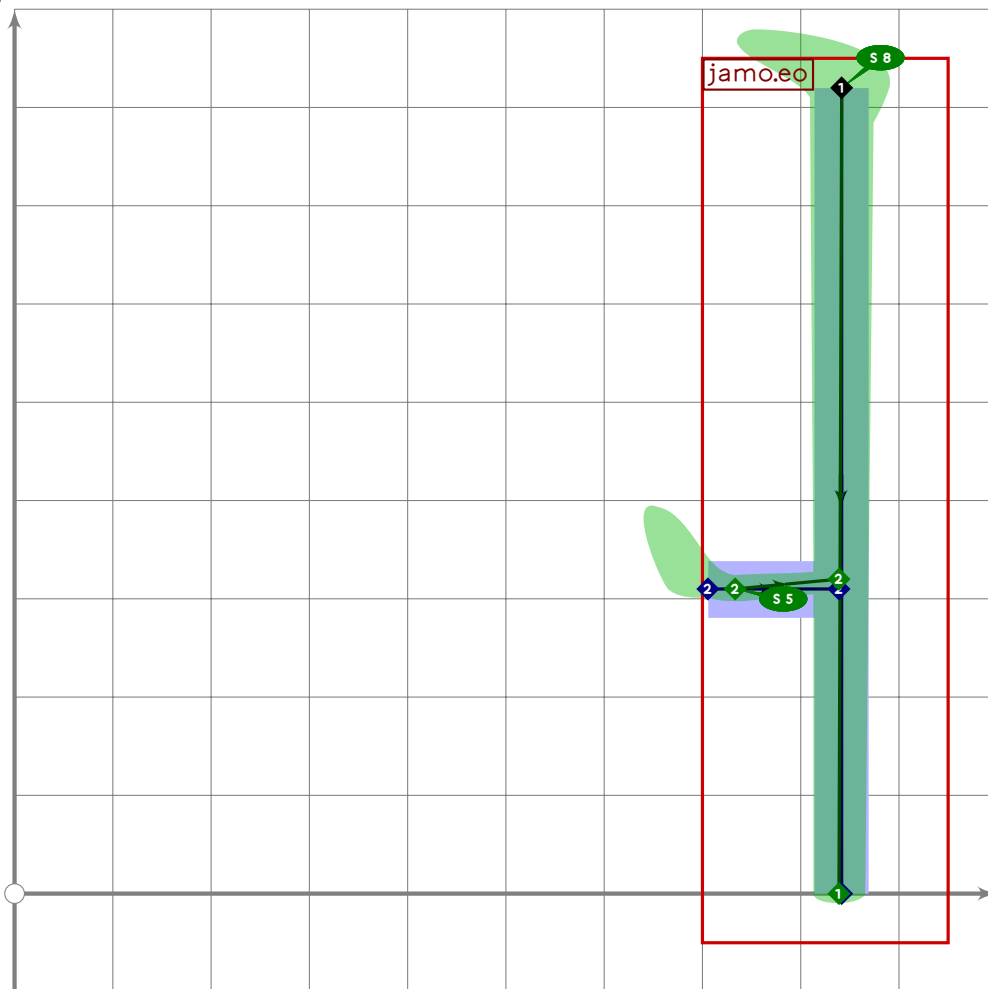


```

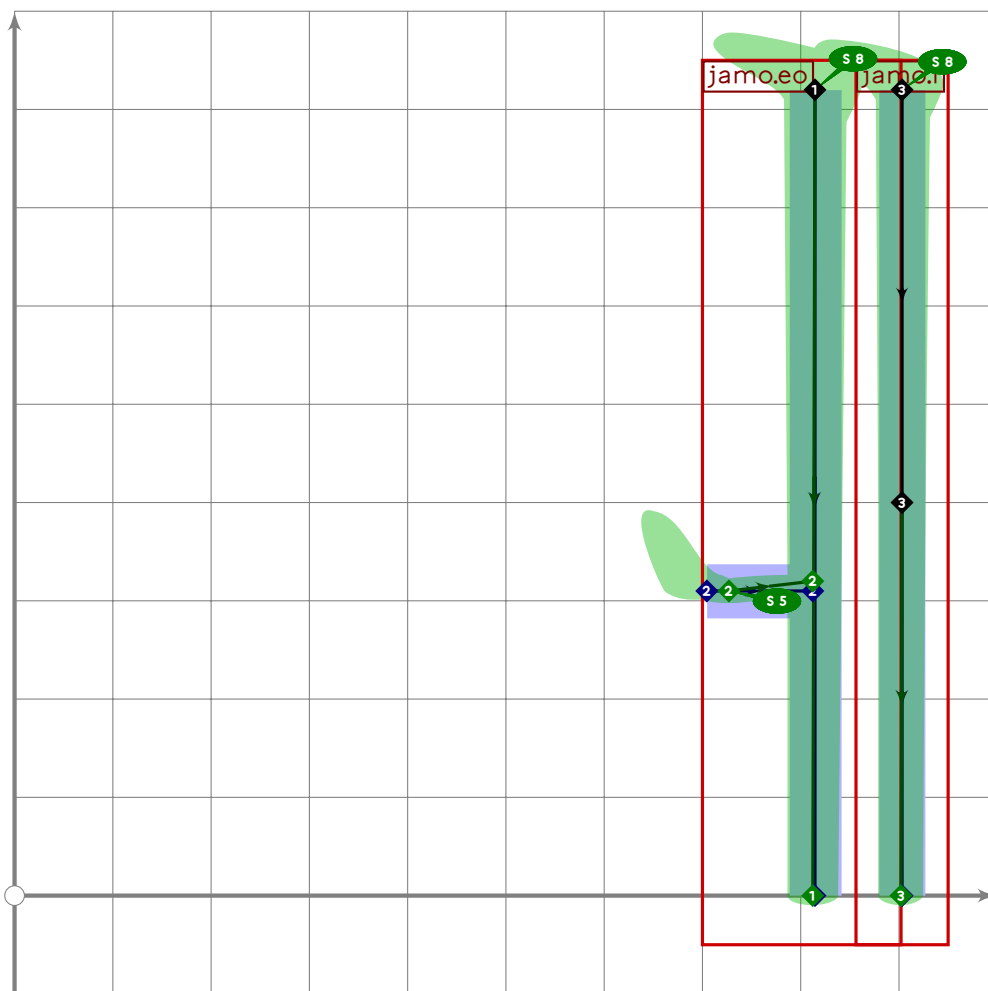
80 % hangul vowel yae
81 begint Suglyph("uni1164.nt",100);
82   hangul.combine.lr(302,320)(303,vixf,vox);
83   tsu_render;
84 endtsuglyph;
85

```

FF2



5240



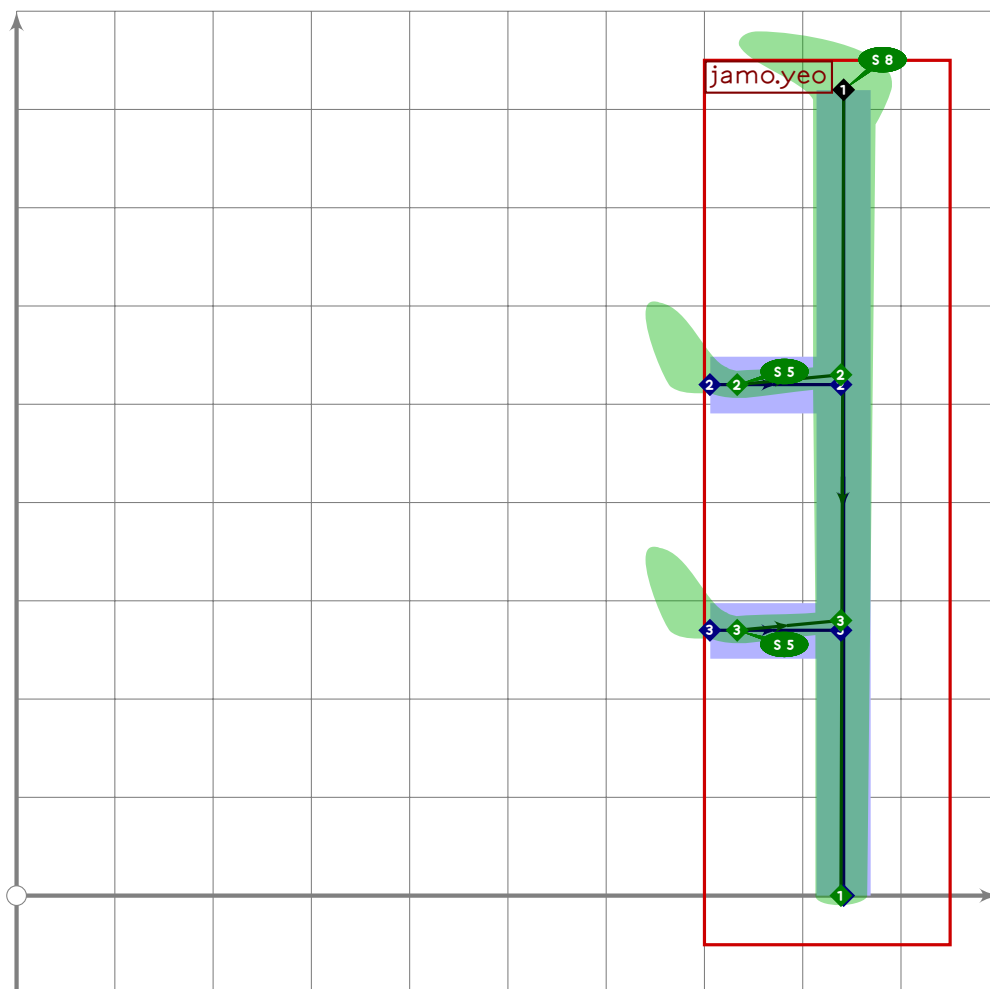
```

92 % hangul vowel e
93 begint Suglyph("uni1166.nt",102);
94   hangul.combine.lr(304,320)(305,vixf,voxf);
95   tsu_render;
96 endtsuglyph;
97

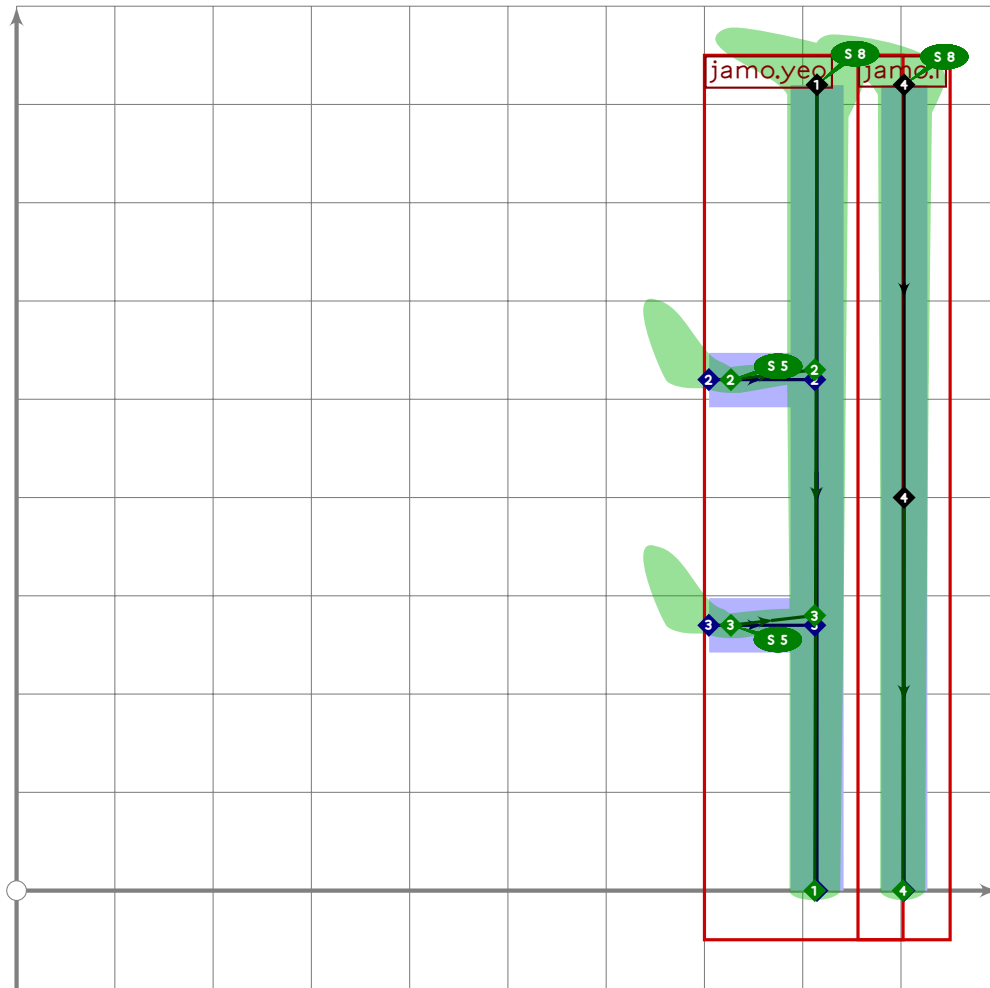
```

U+FF267
mande.uni1167.nt

FF2



```
98 % hangul vowel yeo
99 begintsuglyph("uni1167.nt",103);
100 hangul.jamo.yeo(306,vixf,vox);
101 tsu_render;
102 endtsuglyph;
103
```



FF2

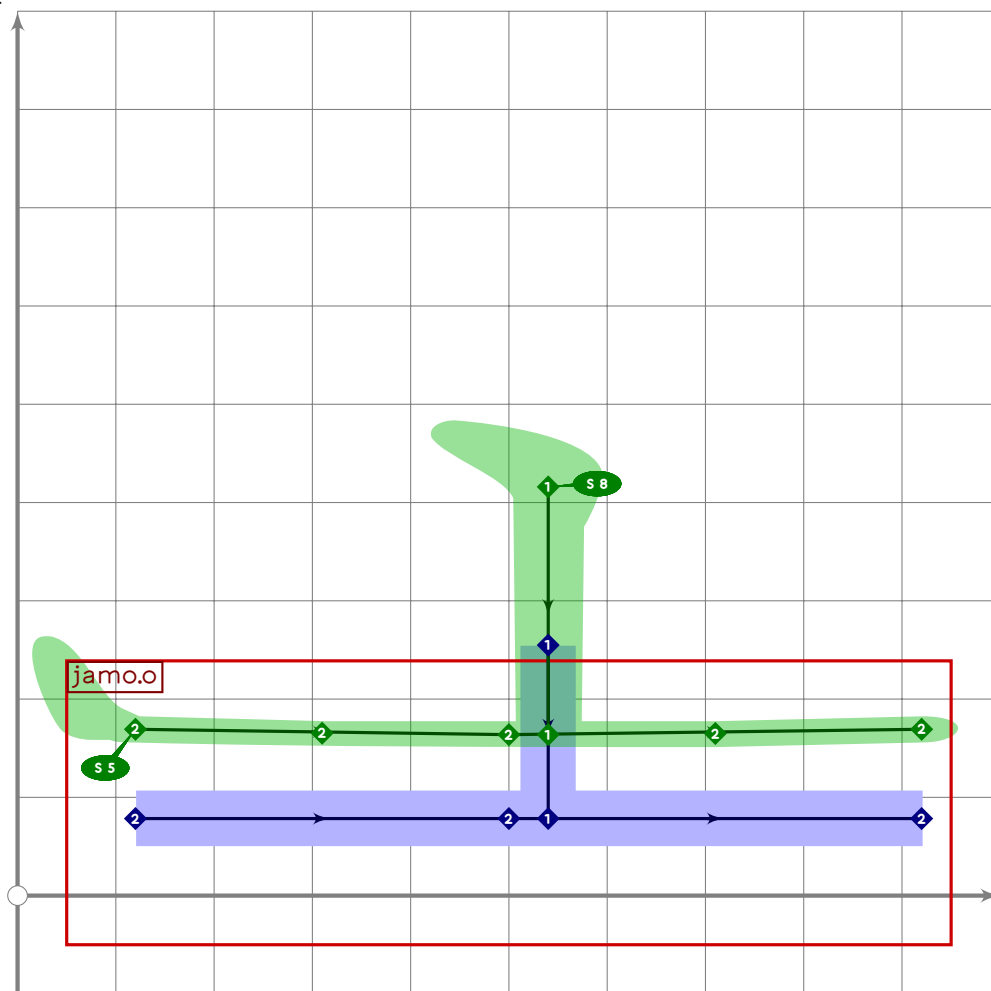
```

104 % hangul vowel ye
105 beginsuglyph("uni1168.nt";104);
106   hangul.combine.lr(306,320)(307,vixf,voxf);
107   tsu_render;
108 endsuglyph;
109

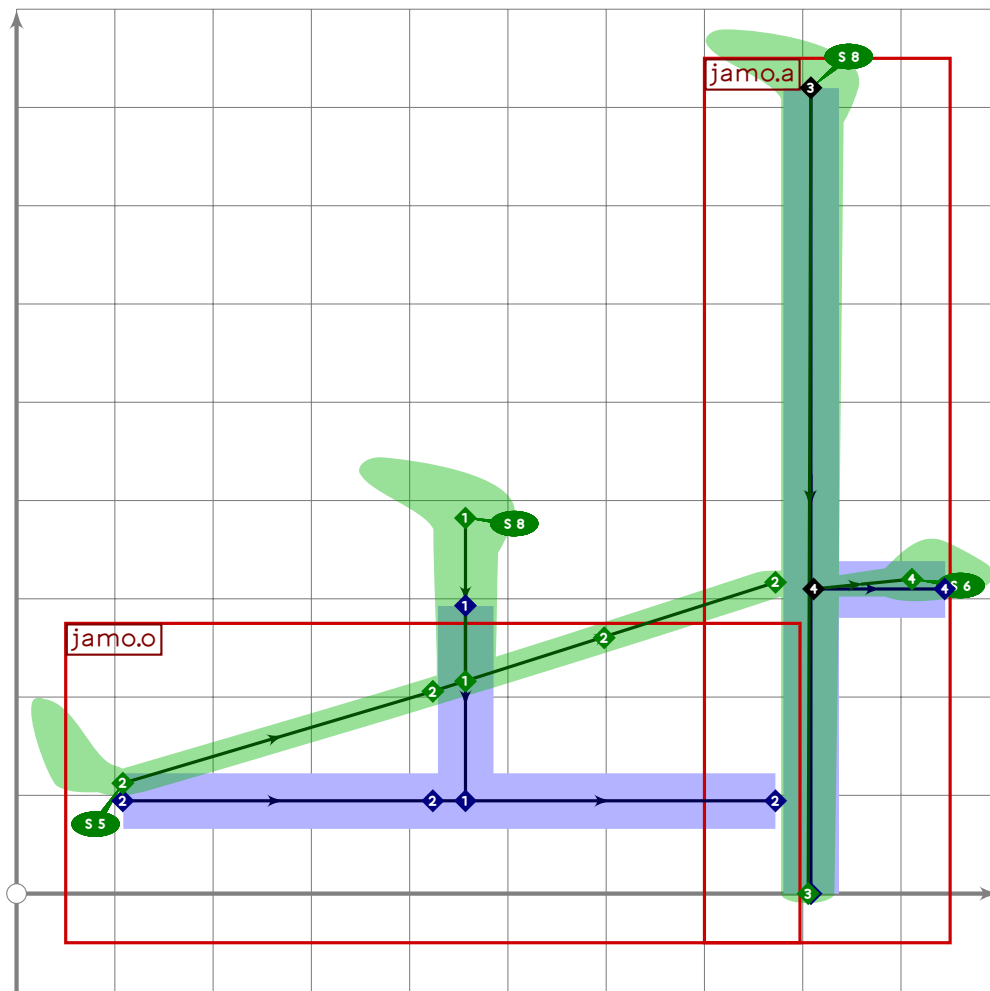
```

U+FF269
mande.uni1169.nt

FF2



```
110 % hangul vowel o
111 begint Suglyph("uni1169.nt",105);
112   hangul.jamo.o(308,vixf,vox f);
113   tsu_render;
114 endtsuglyph;
115
```

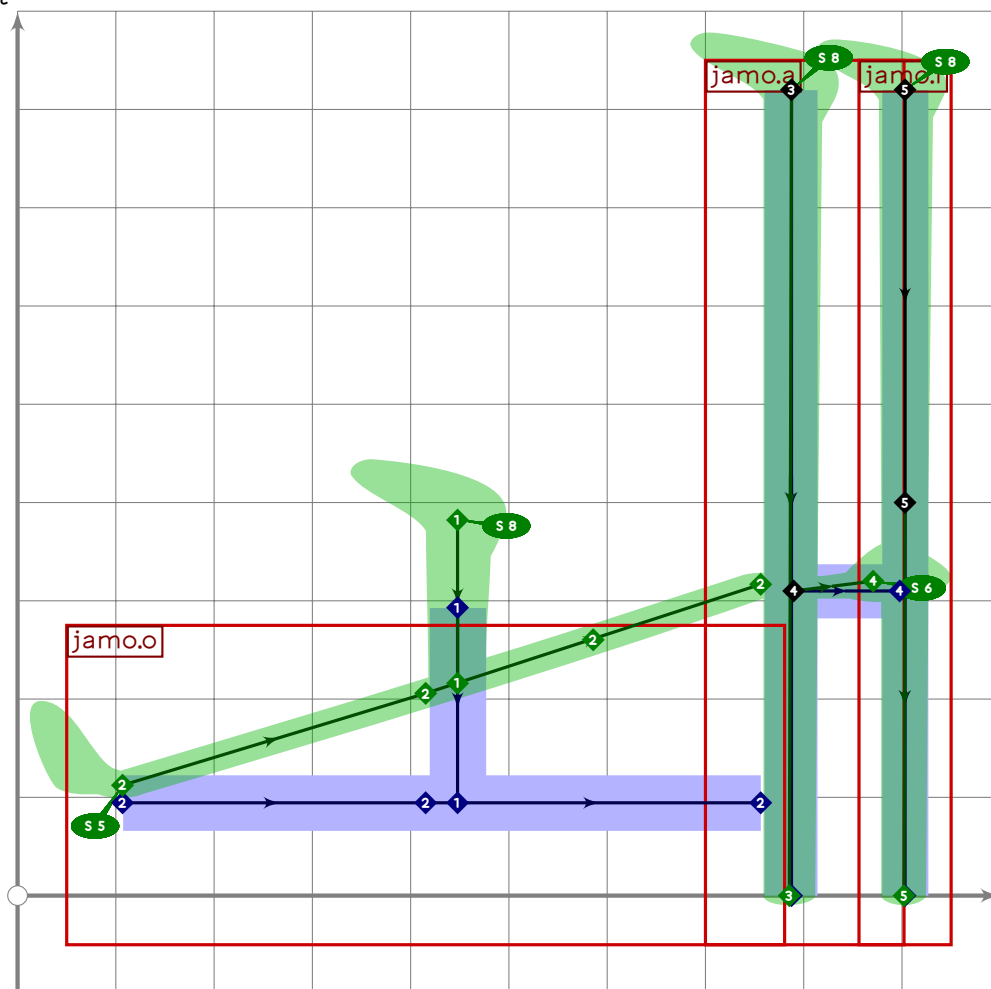
```

116 % hangul vowel wa
117 begintsuglyph("uni116A.nt",106);
118 hangul.combine.lr(308,300)(309,vixf,voxf);
119 tsu_render;
120 endtsuglyph;
121

```

U+FF26B
mande.uni116B.nt

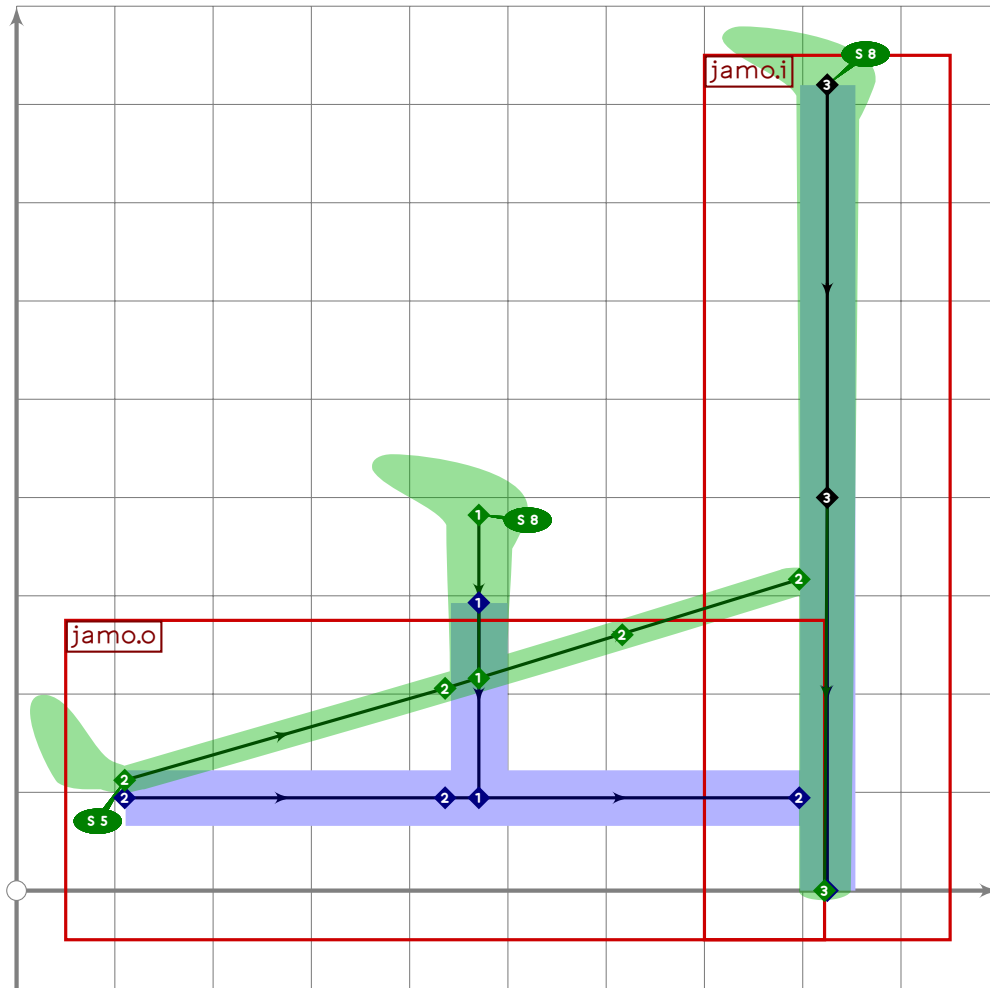
FF2



```

122 % hangul vowel wae
123 beginsuglyph("uni116B.nt";107);
124   hangul.combine.lr(308,301)(310,vixf,voxf);
125   tsu_render;
126 endsuglyph;
127

```



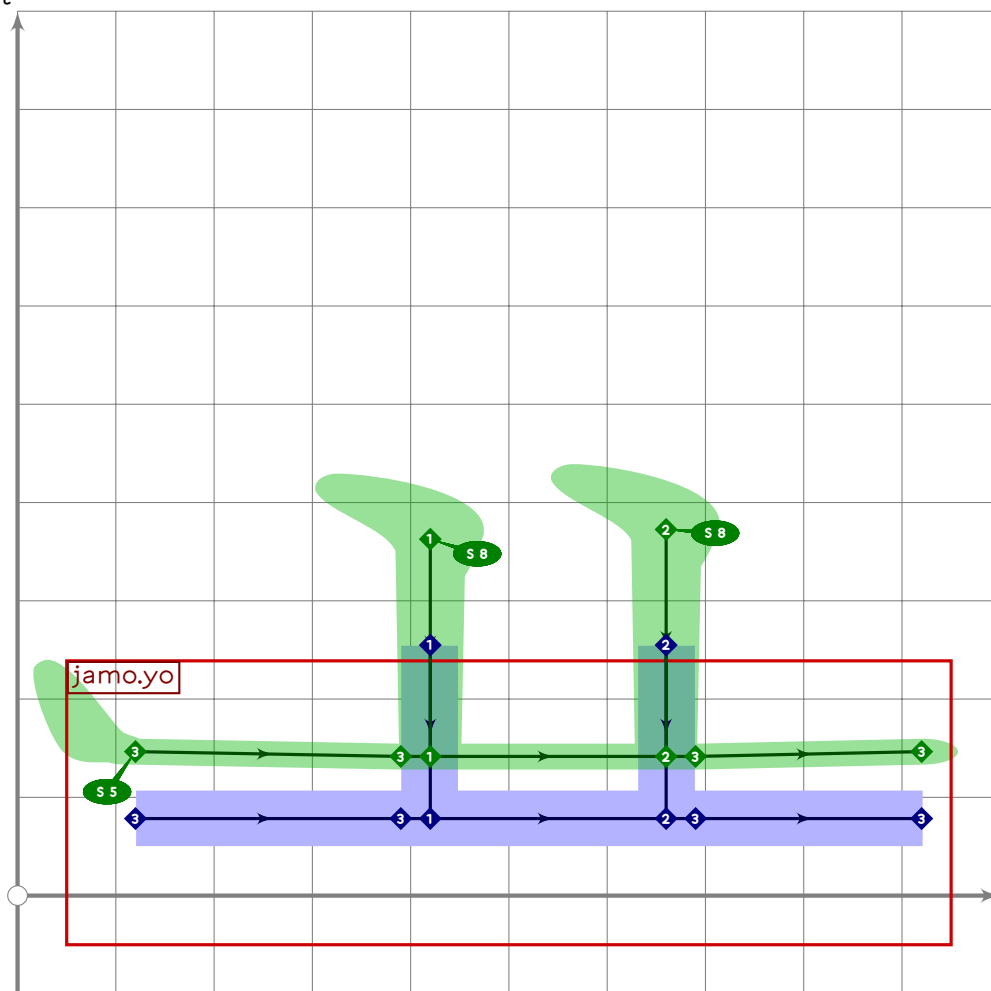
```

128 % hangul vowel oe
129 begintsuglyph("uni116C.nt",108);
130 hangul.combine.lr(308,320)(311,vixf,voxf);
131 tsu_render;
132 endtsuglyph;
133

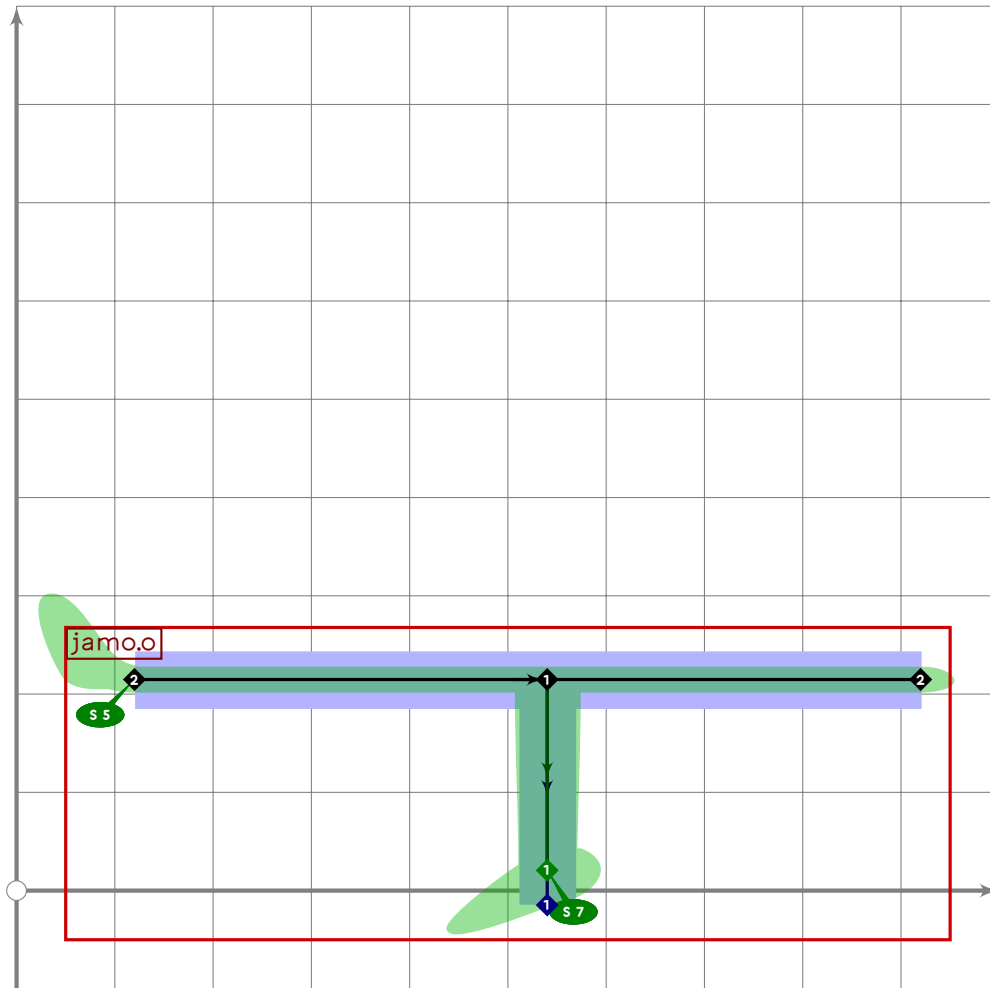
```

U+FF26D
mande.uni116D.nt

FF2



```
134 % hangul vowel yo
135 beginsuglyph("uni116D.nt",109);
136   hangul.jamo.yo(312,vixf,vox);
137   tsu_render;
138 endsuglyph;
139
```



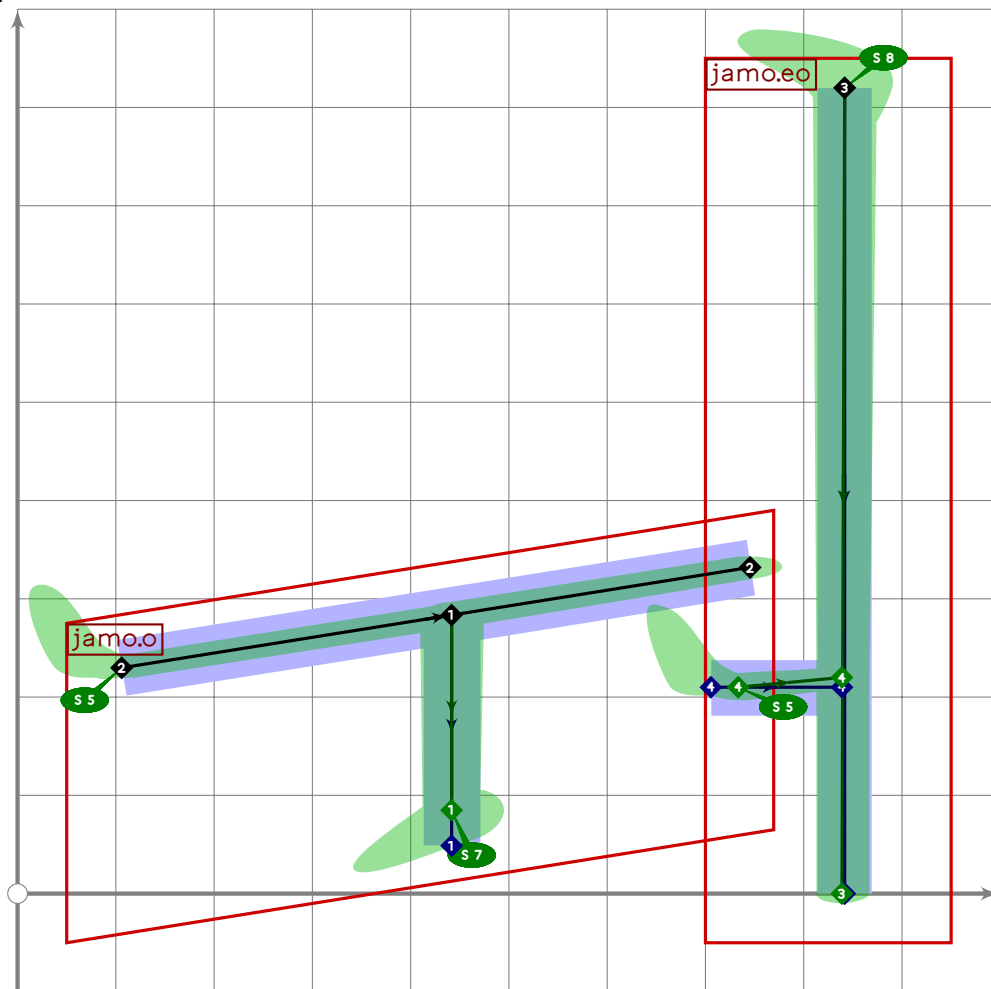
```

140 % hangul vowel u
141 begintsuglyph("uni116E.nt",110);
142   hangul.jamo.u(313,vixf,vox,f);
143   tsu_render;
144 endtsuglyph;
145

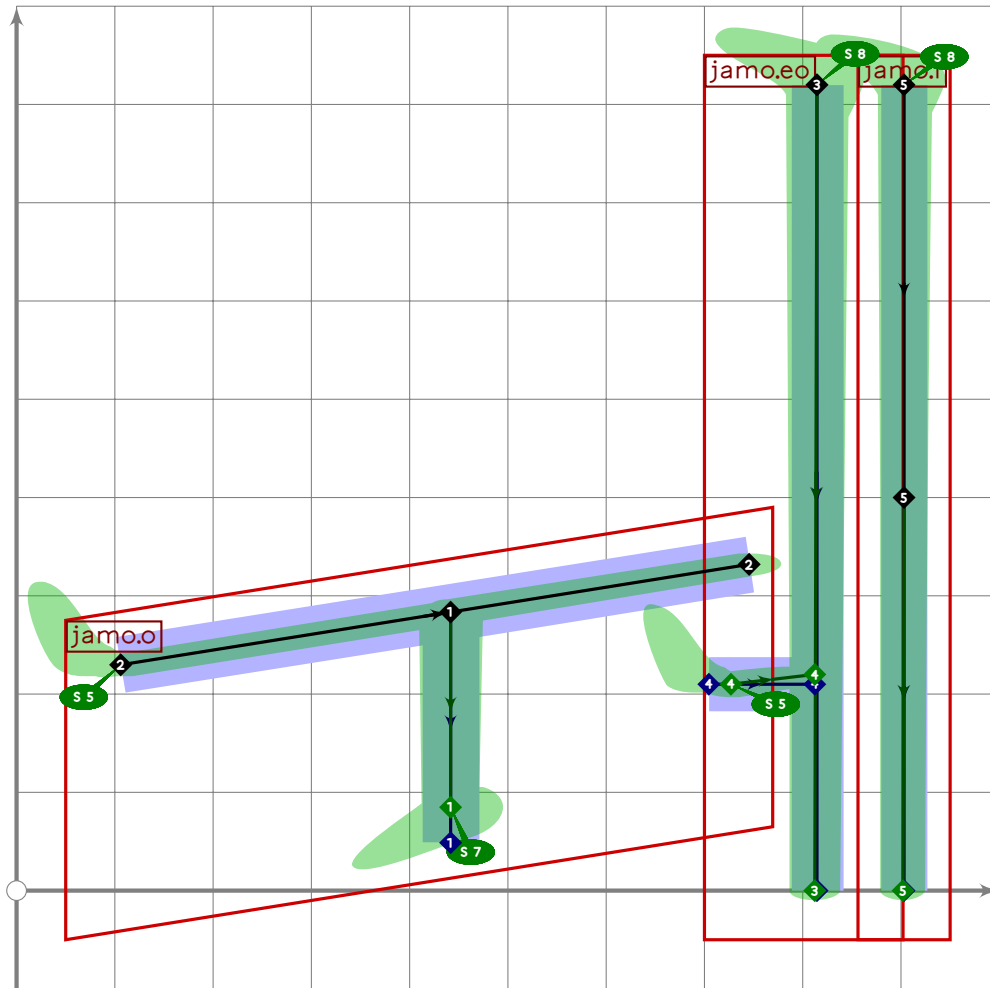
```

U+FF26F
mande.uni116F.nt

FF2



```
146 % hangul vowel weo
147 beginsuglyph("uni116F.nt",111);
148 hangul.combine.lr(313,304)(314,vixf,vox);
149 tsu_render;
150 endsuglyph;
151
```

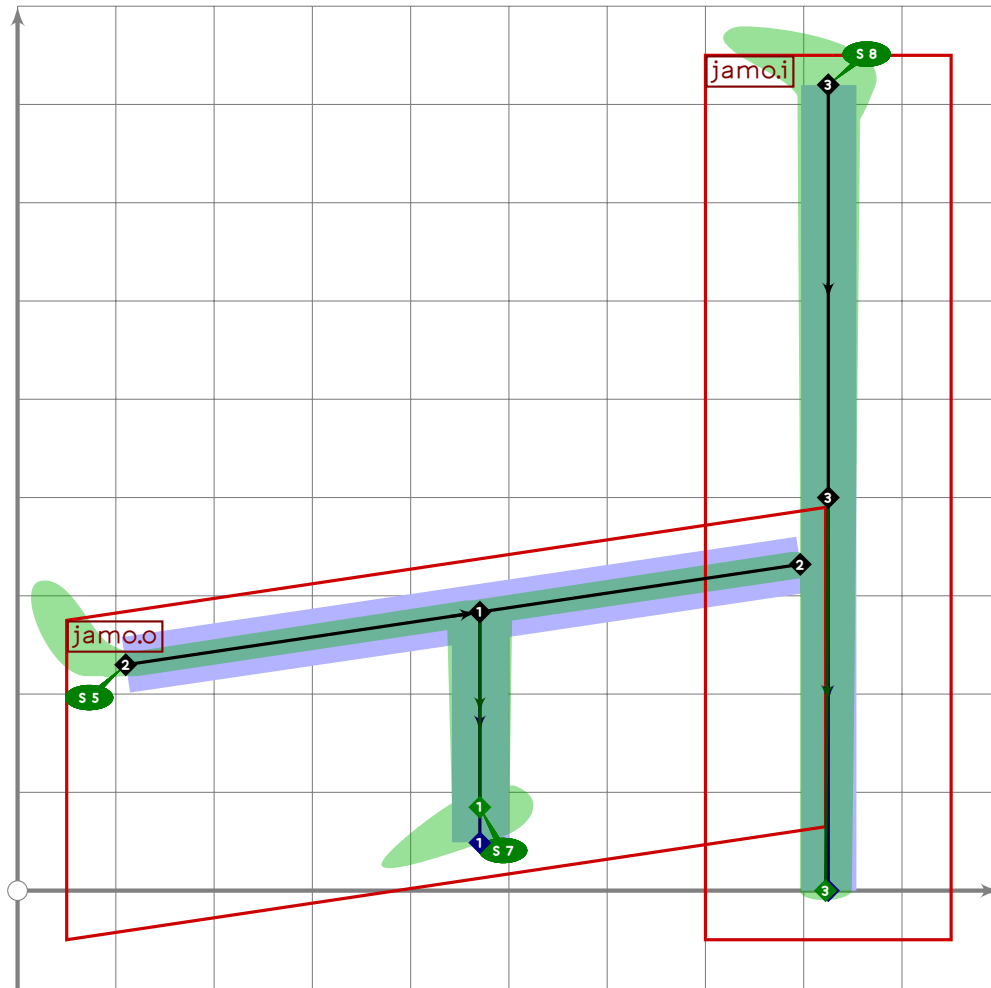


```

152 % hangul vowel we
153 beginsuglyph("uni1170.nt",112);
154   hangul.combine.lr(313,305)(315,vixf,voxf);
155   tsu_render;
156 endtsuglyph;
157

```

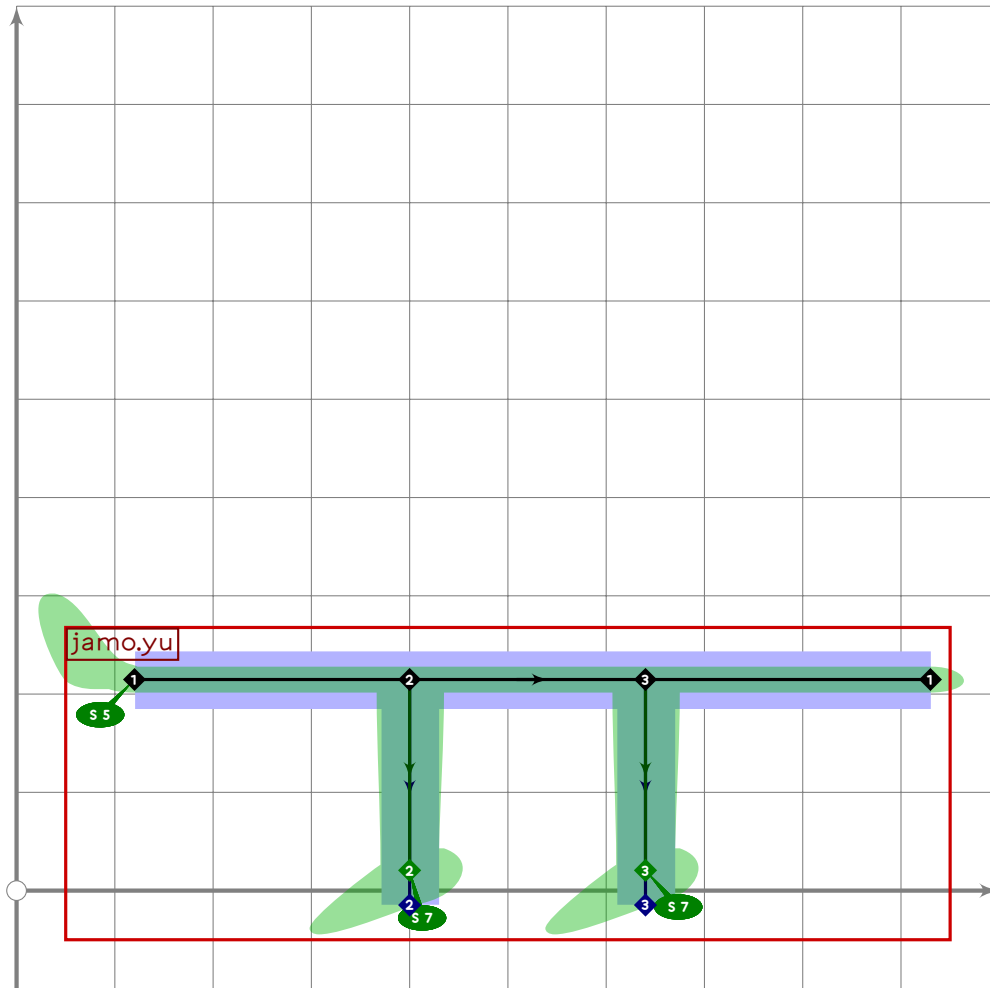
FF2



```

158 % hangul vowel wi
159 beginsuglyph("uni1171.nt",113);
160 hangul.combine.lr(313,320)(316,vixf,vox);
161 tsu_render;
162 endsuglyph;
163

```

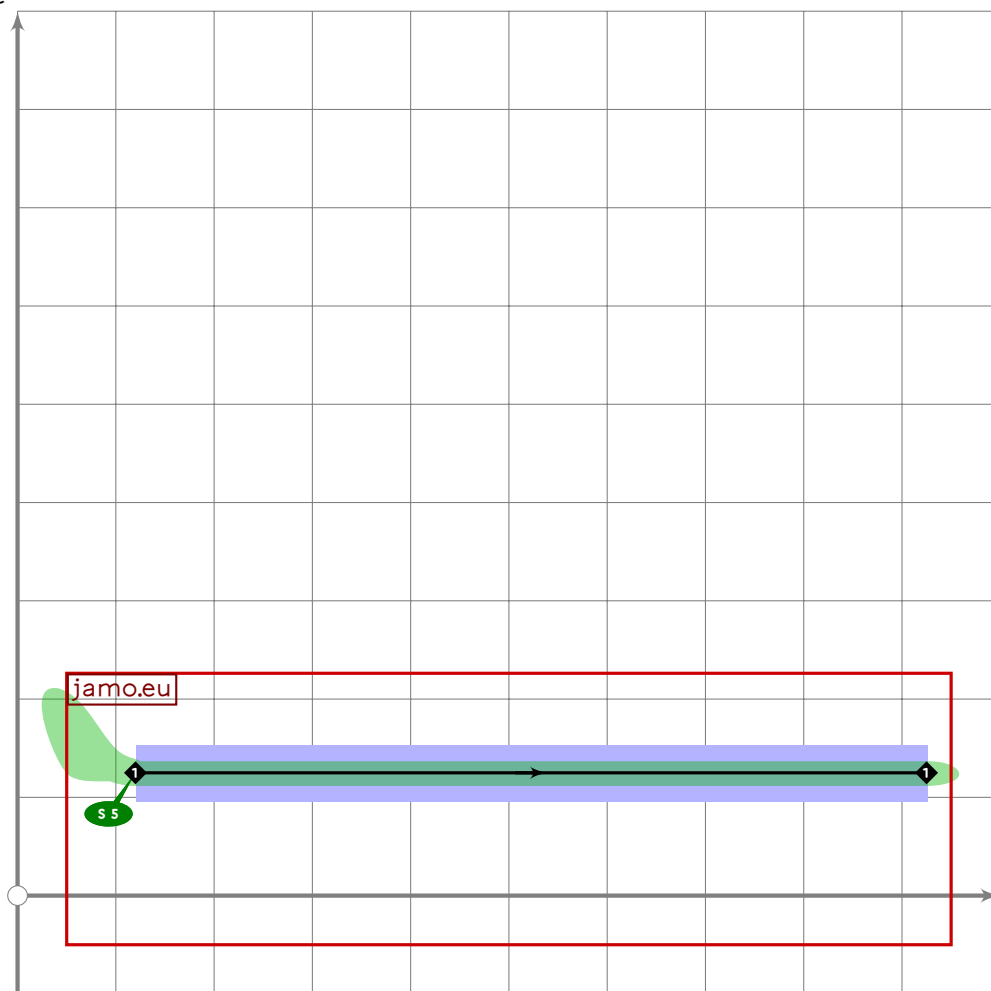
```

164 % hangul vowel yu
165 begintsuglyph("uni1172.nt",114);
166   hangul.jamo.yu(317,vixf,vox);
167   tsu_render;
168 endtsuglyph;
169

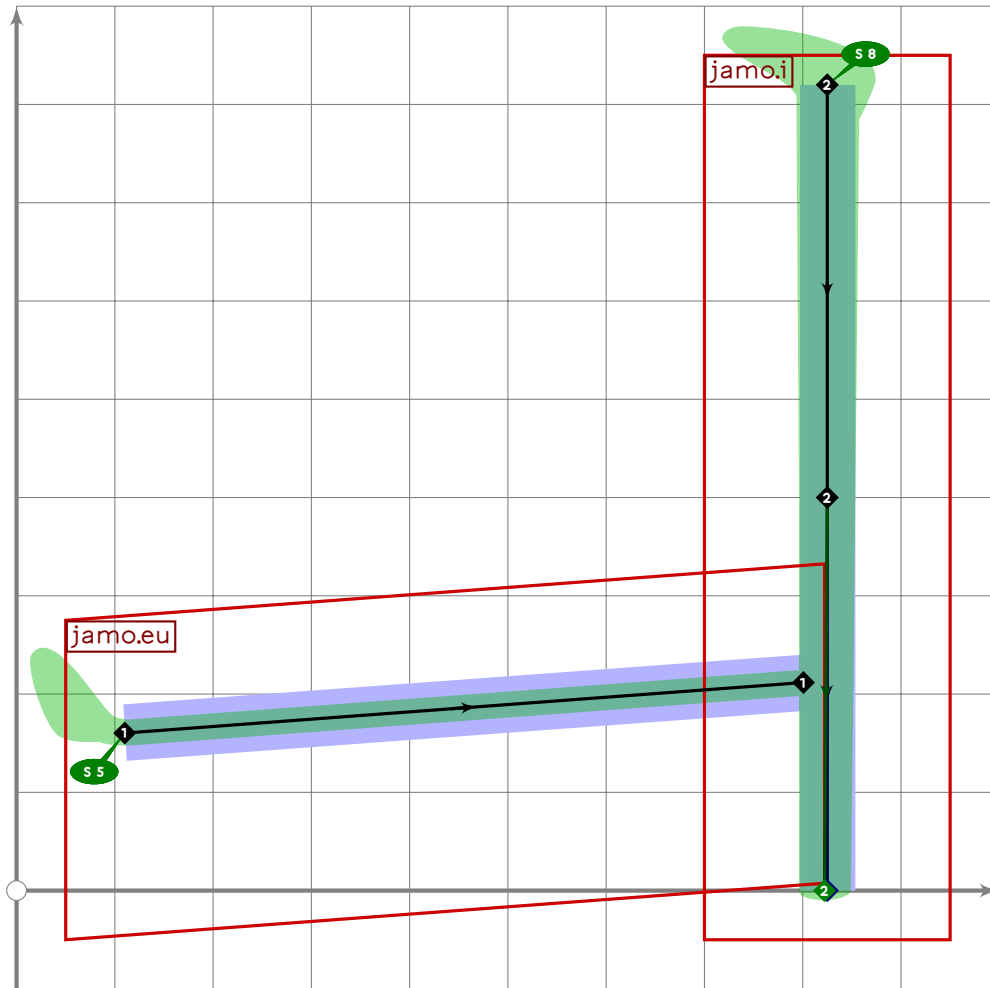
```

U+FF273
mande.uni1173.nt

FF2



```
170 % hangul vowel eu
171 begintsuglyph("uni1173.nt",115);
172   hangul.jamo.eu(318,vixf,voxof);
173   tsu_render;
174 endtsuglyph;
175
```



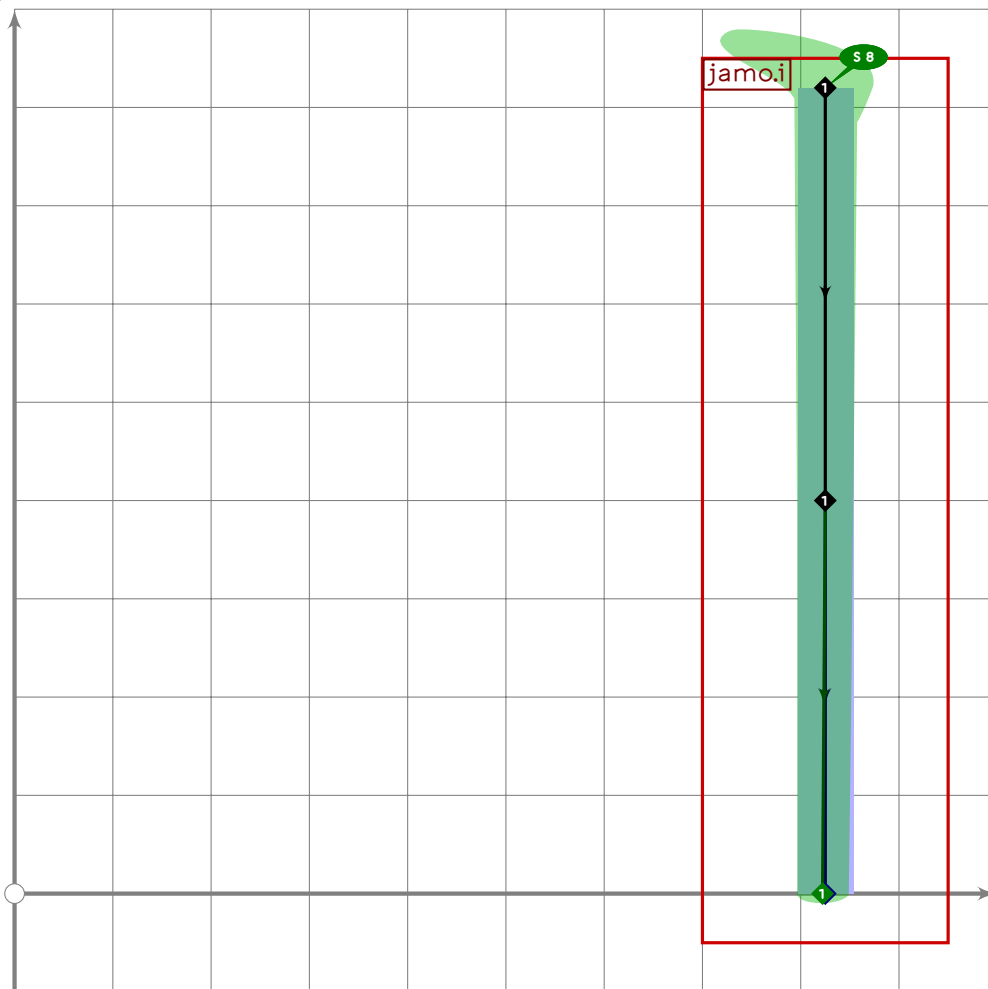
```

176 % hangul vowel yi
177 begintsuglyph("uni1174.nt",116);
178   hangul.combine.lr(318,320)(319,vixf,vox);
179   tsu_render;
180 endtsuglyph;
181

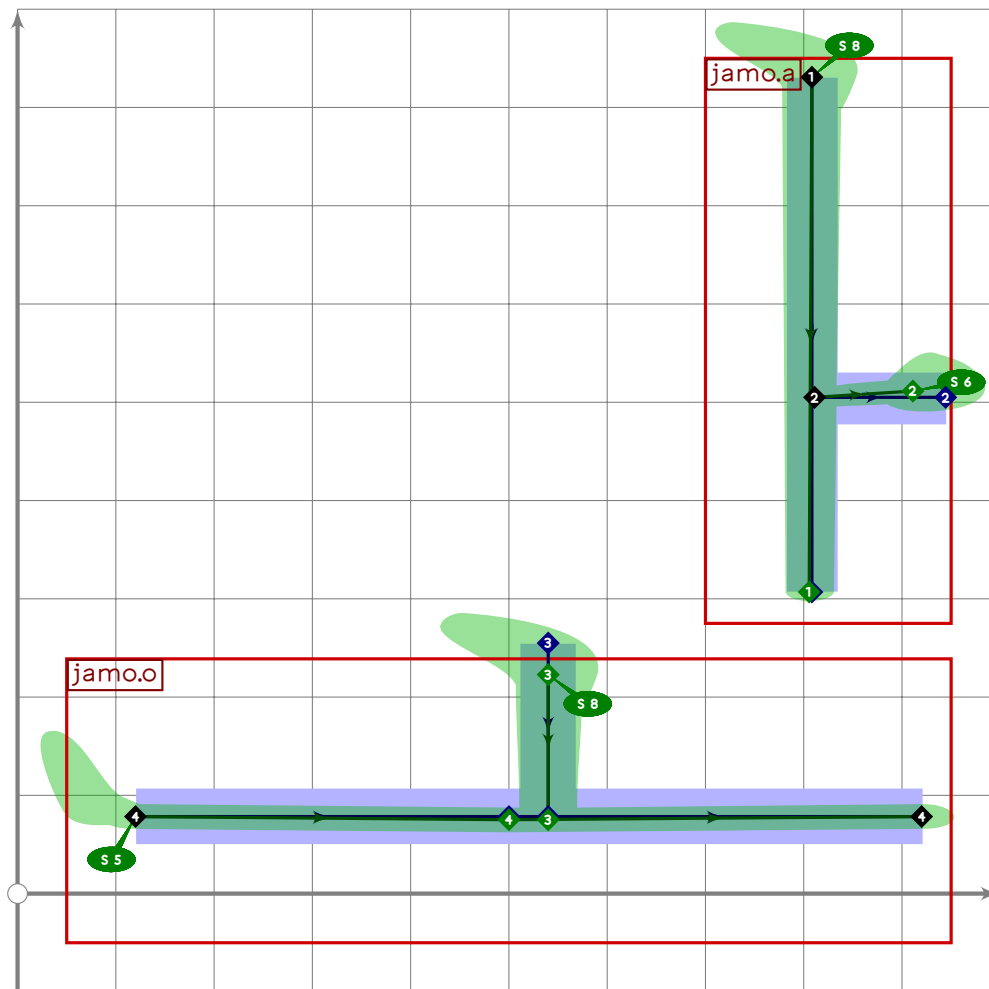
```

U+FF275
mande.uni1175.nt

FF2



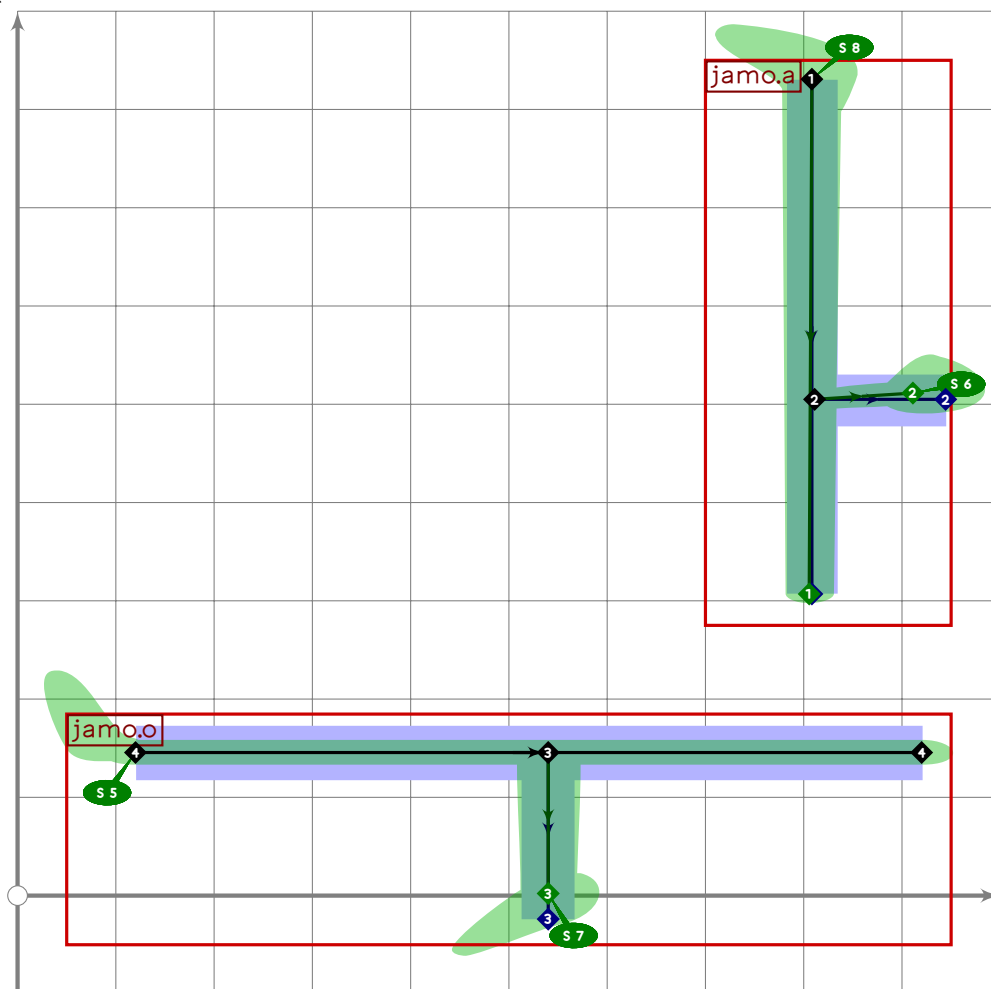
```
182 % hangul vowel i
183 begint Suglyph("uni1175.nt",117);
184   hangul.jamo.i(320,vixf,vox);
185   tsu_render;
186 endtsuglyph;
187
```



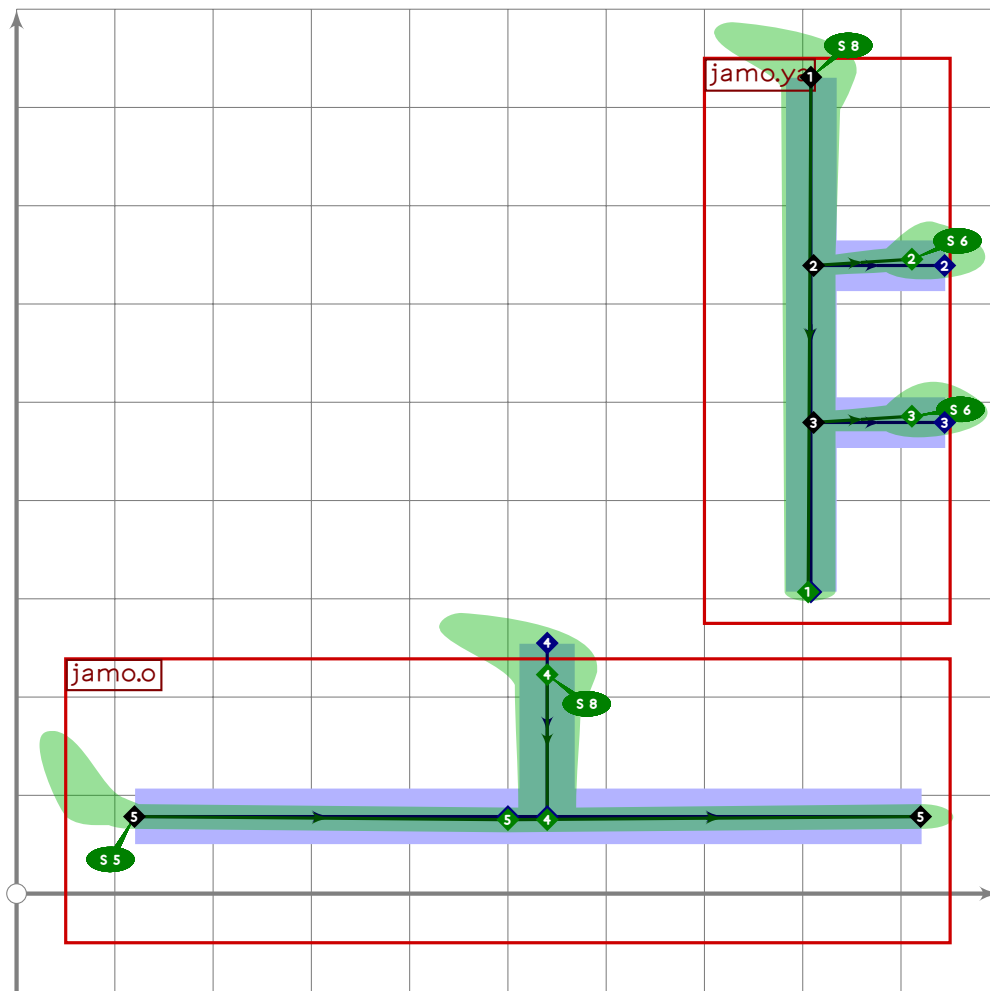
5257

U+FF277
mande.uni1177.nt

FF2



```
194 % hangul vowel a-u
195 beginsuglyph("uni1177.nt",119);
196 hangul.combine.tb(300,313)(whatever,vixf,vox);
197 tsu_render;
198 endsuglyph;
199
```

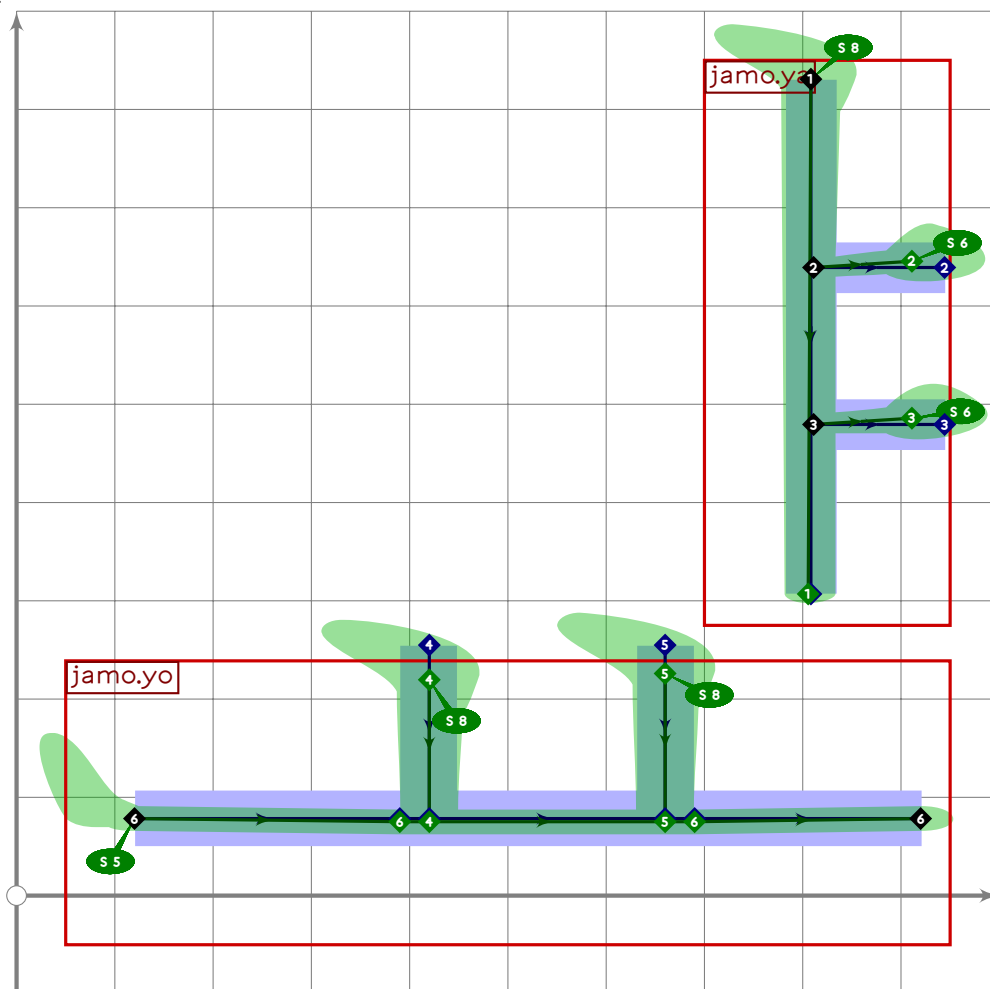


```

200 % hangul vowel ya-o
201 beginsuglyph("uni1178.nt",120);
202   hangul.combine.tb(302,308)(whatever,vixf,vox);
203   tsu_render;
204 endtsuglyph;
205

```

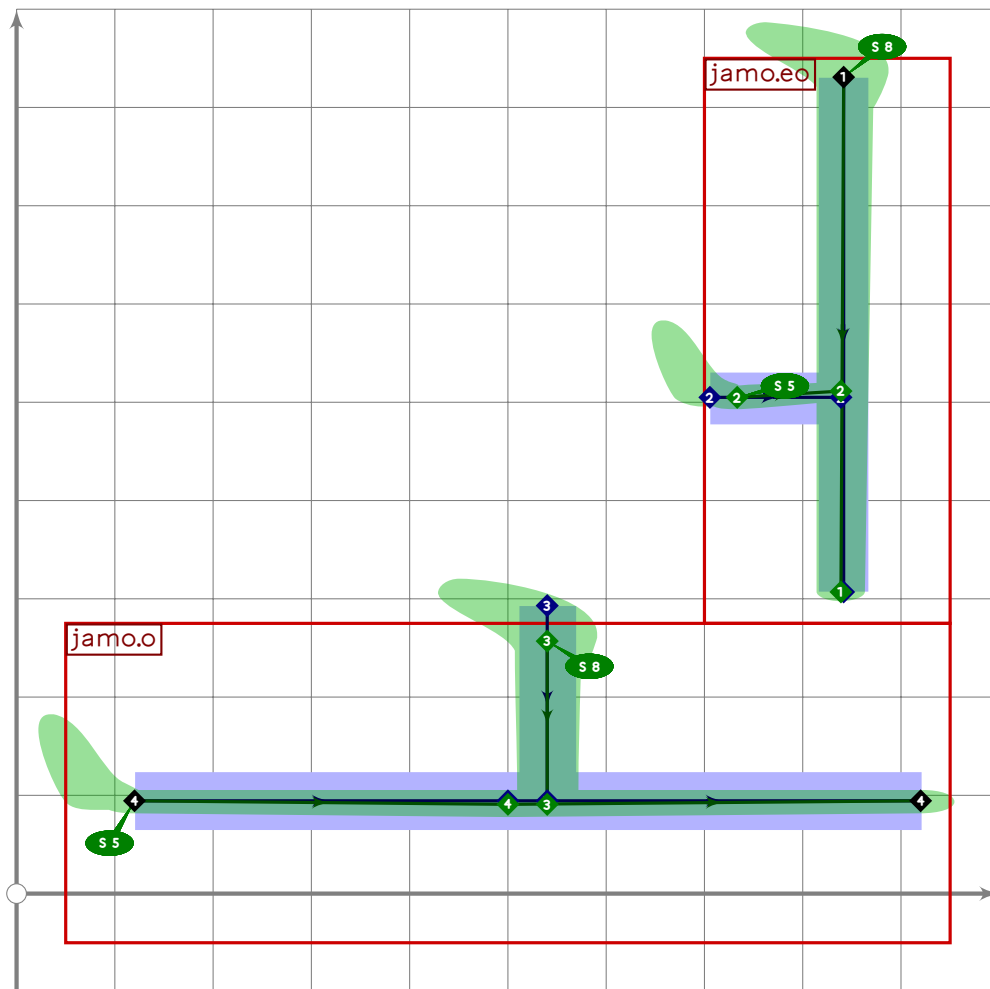
FF2



```

206 % hangul vowel ya-yo
207 begintsuglyph("uni1179.nt",121);
208   hangul.combine.tb(302,312)(whatever,vixf,vox);
209   tsu_render;
210 endtsuglyph;
211

```

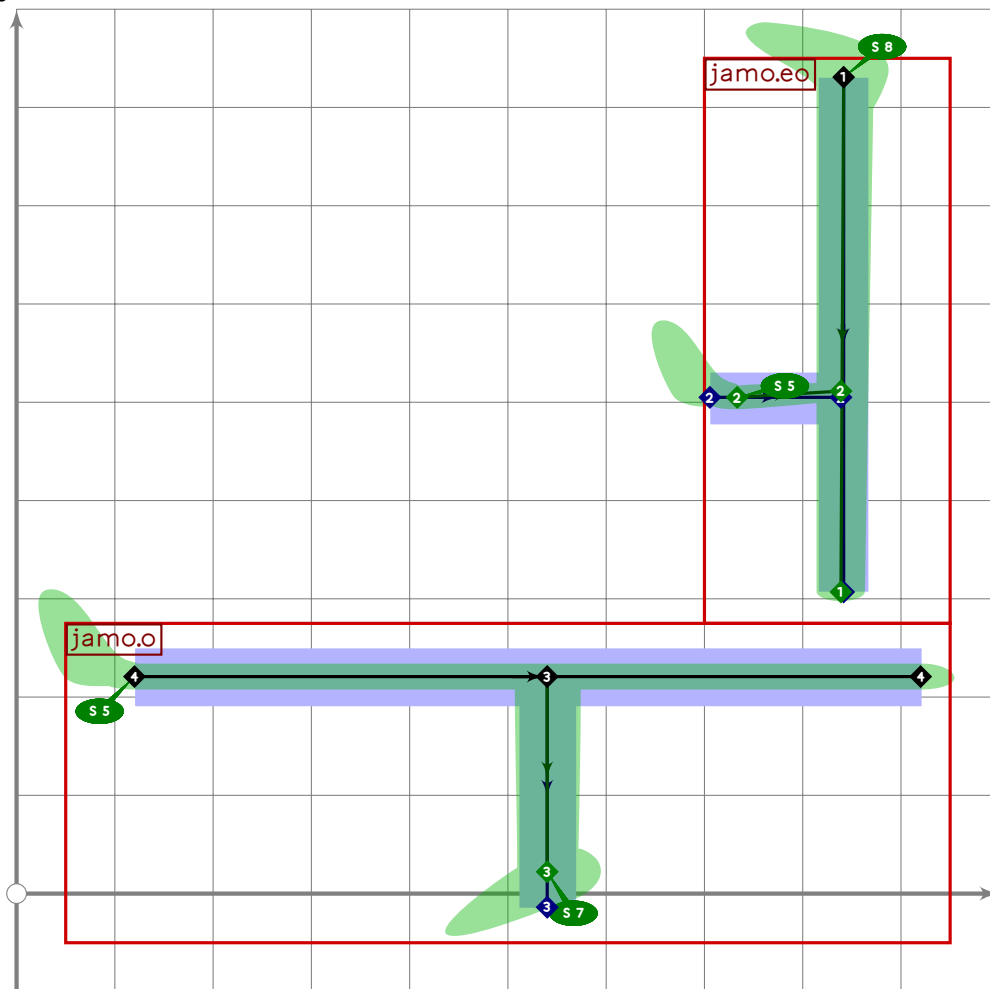
```

212 % hangul vowel eo-o
213 begintsuglyph("uni117A.nt";122);
214   hangul.combine.tb(304,308)(whatever,vixf,vox);
215   tsu_render;
216 endtsuglyph;
217

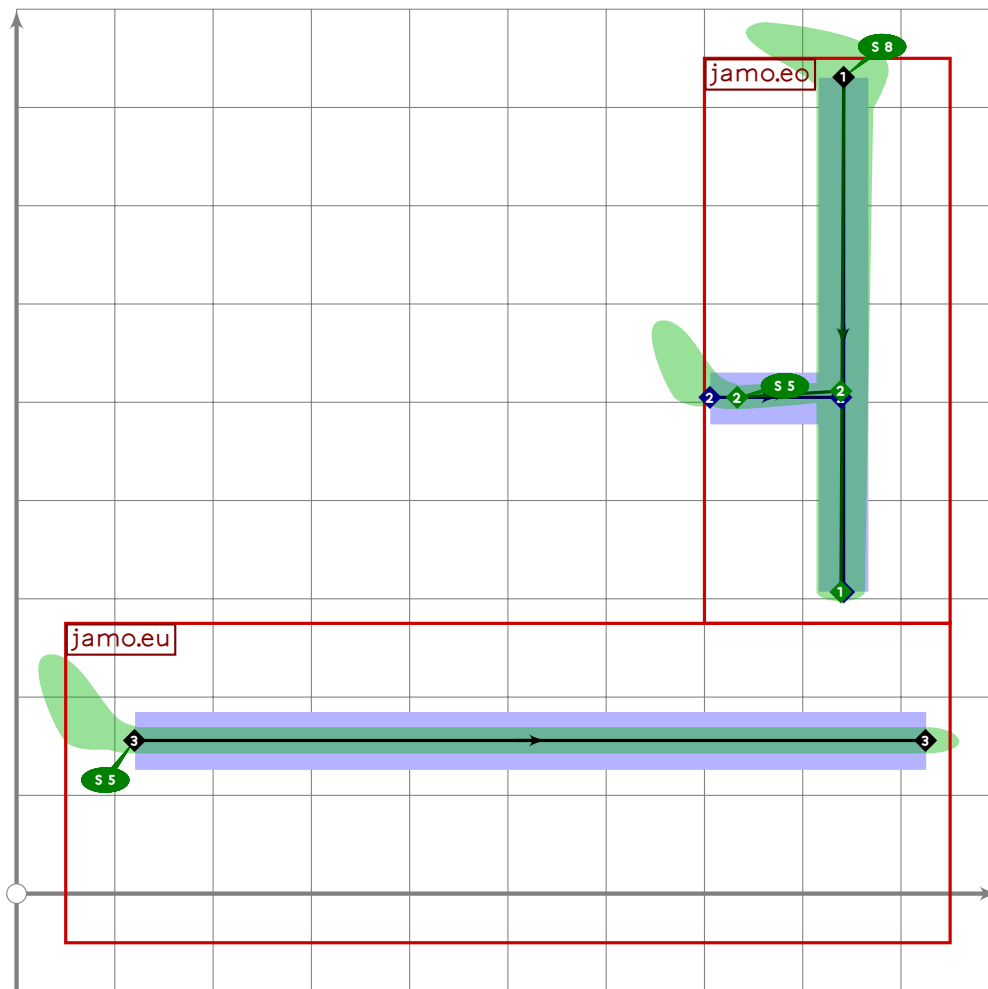
```

U+FF27B
mande.uni117B.nt

FF2



```
218 % hangul vowel eo-u
219 begintsuglyph("uni117B.nt",123);
220 hangul.combine.tb(304,313)(whatever,vixf,vox);
221 tsu_render;
222 endsuglyph;
223
```



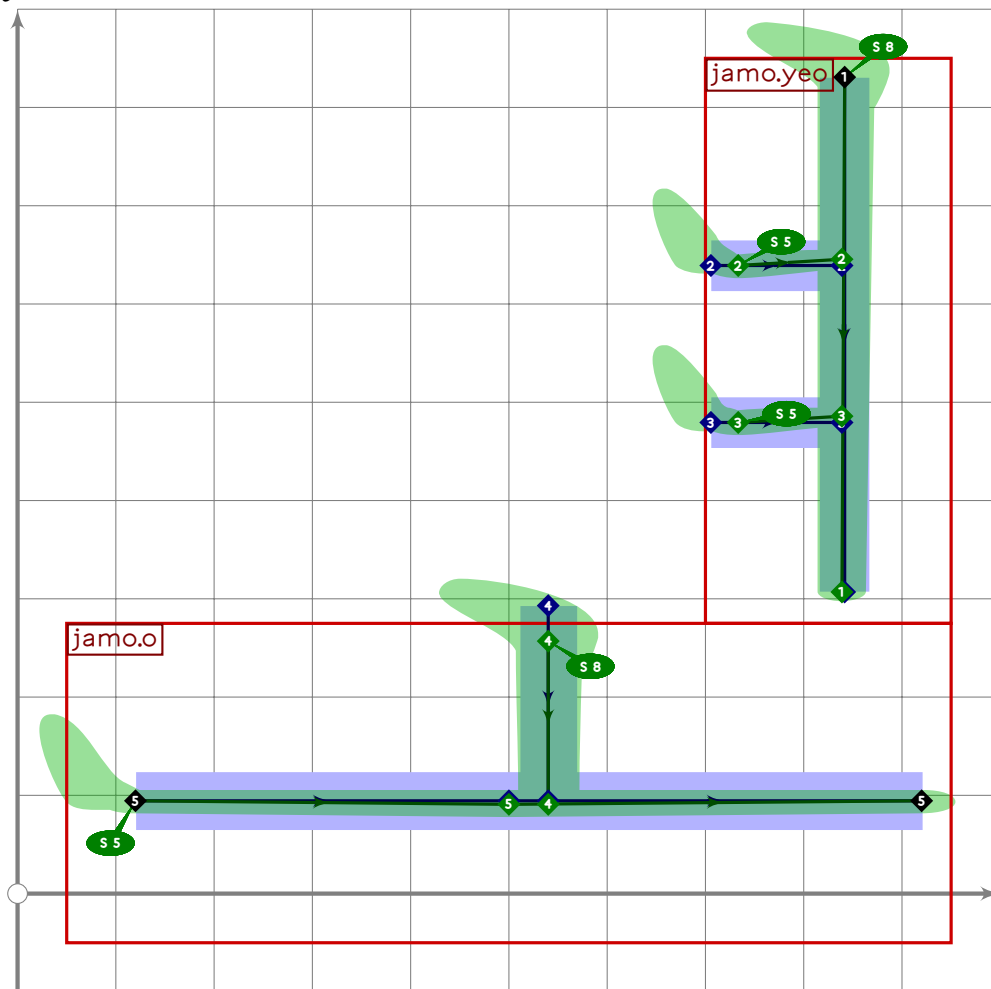
```

224 % hangul vowel eo-eu
225 beginsuglyph("uni117C.nt";124);
226   hangul.combine.tb(304,318)(whatever,vixf,vox);
227   tsu_render;
228 endtsuglyph;
229

```

U+FF27D
mande.uni117D.nt

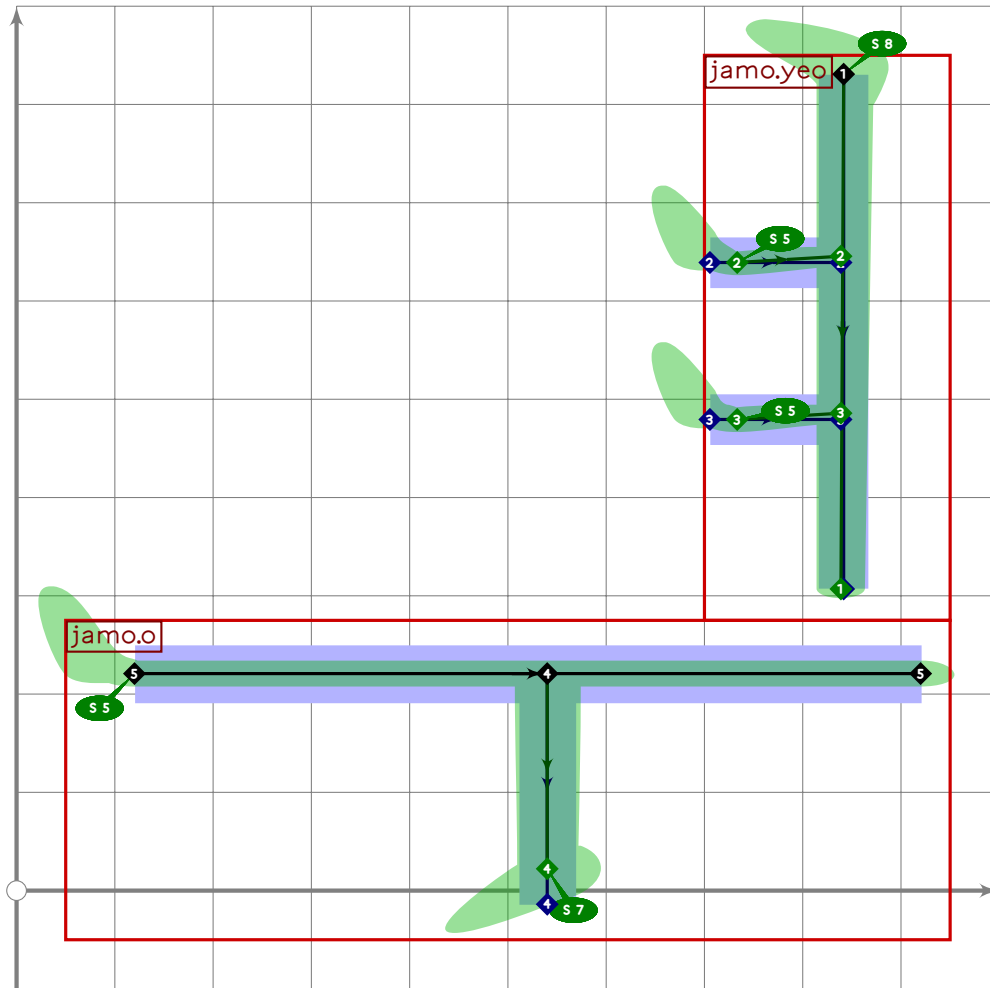
FF2



```

230 % hangul vowel yeo-o
231 beginsuglyph("uni117D.nt",125);
232   hangul.combine.tb(306,308)(whatever,vixf,vox);
233   tsu_render;
234 endsuglyph;
235

```



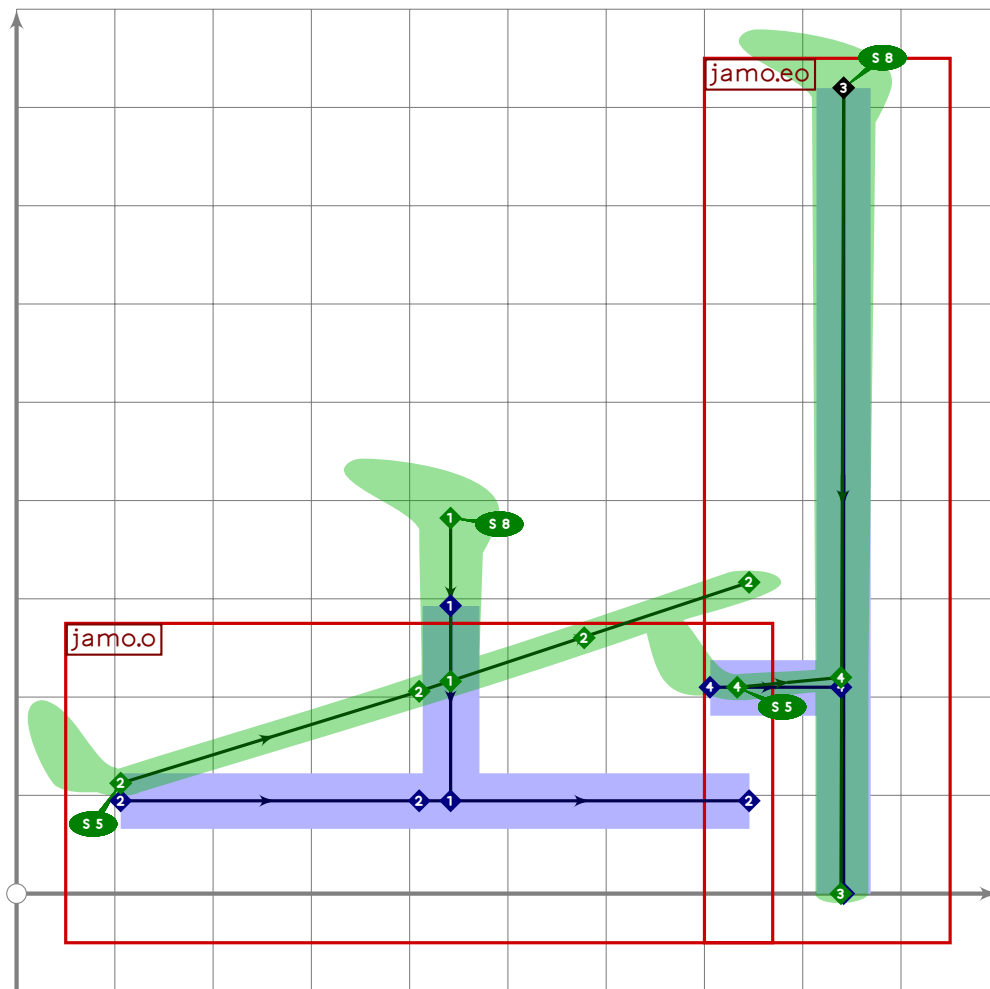
```

236 % hangul vowel yeo-u
237 begintsuglyph("uni117E.nt",126);
238   hangul.combine.tb(306,313)(whatever,vixf,vox);
239   tsu_render;
240 endtsuglyph;
241

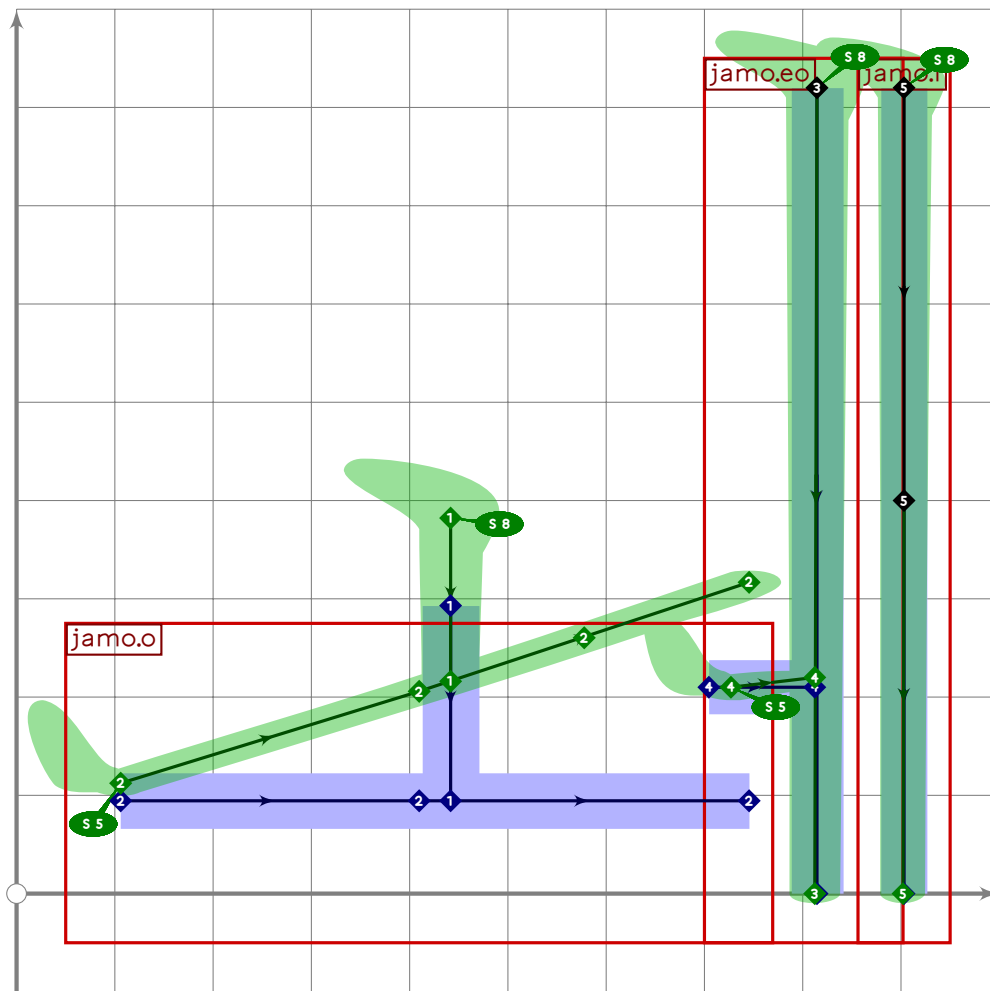
```

U+FF27F
mande.uni117F.nt

FF2



```
242 % hangul vowel o-eo
243 beginsuglyph("uni117F.nt",127);
244   hangul.combine.lr(308,304)(429,vixf,voxf);
245   tsu_render;
246 endsuglyph;
247
```

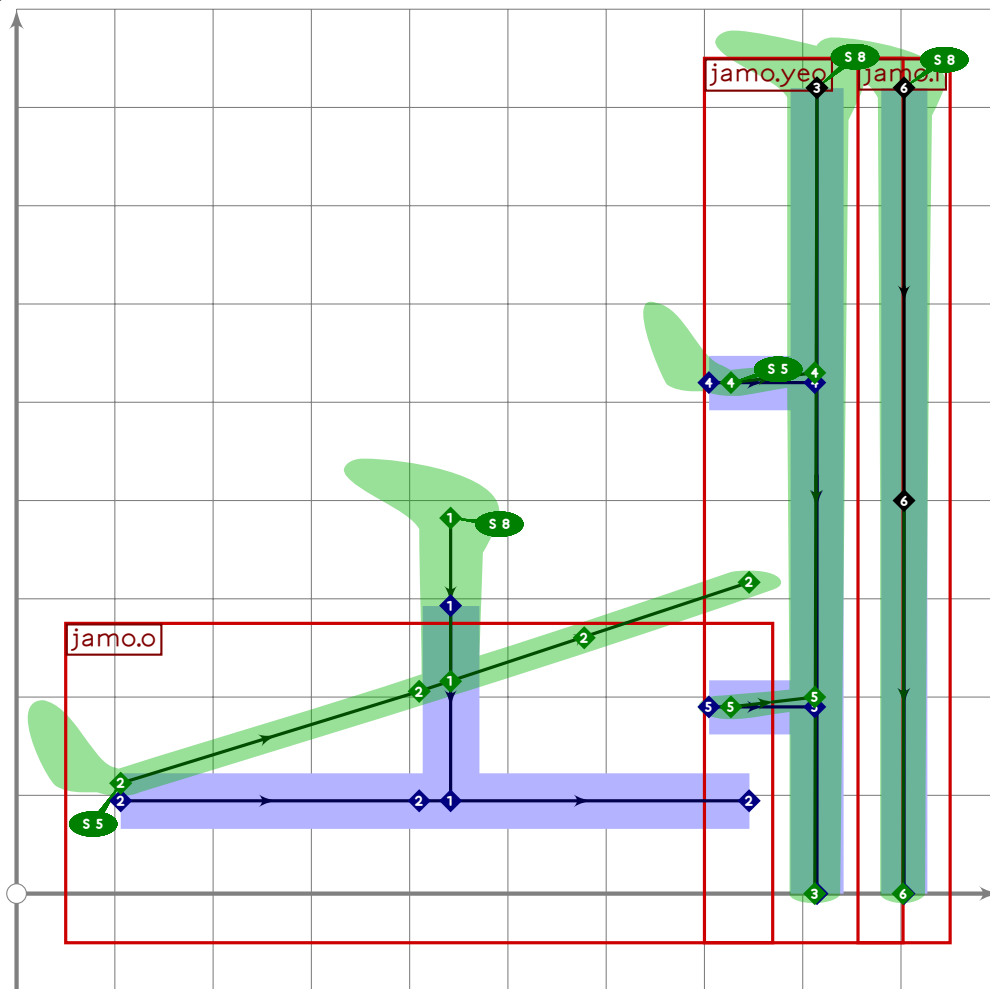


```

248 % hangul vowel o-e
249 begint Suglyph("uni1180.nt",128);
250   hangul.combine.lr(308,305)(430,vixf,vox);
251   tsu_render;
252 endtsuglyph;
253

```

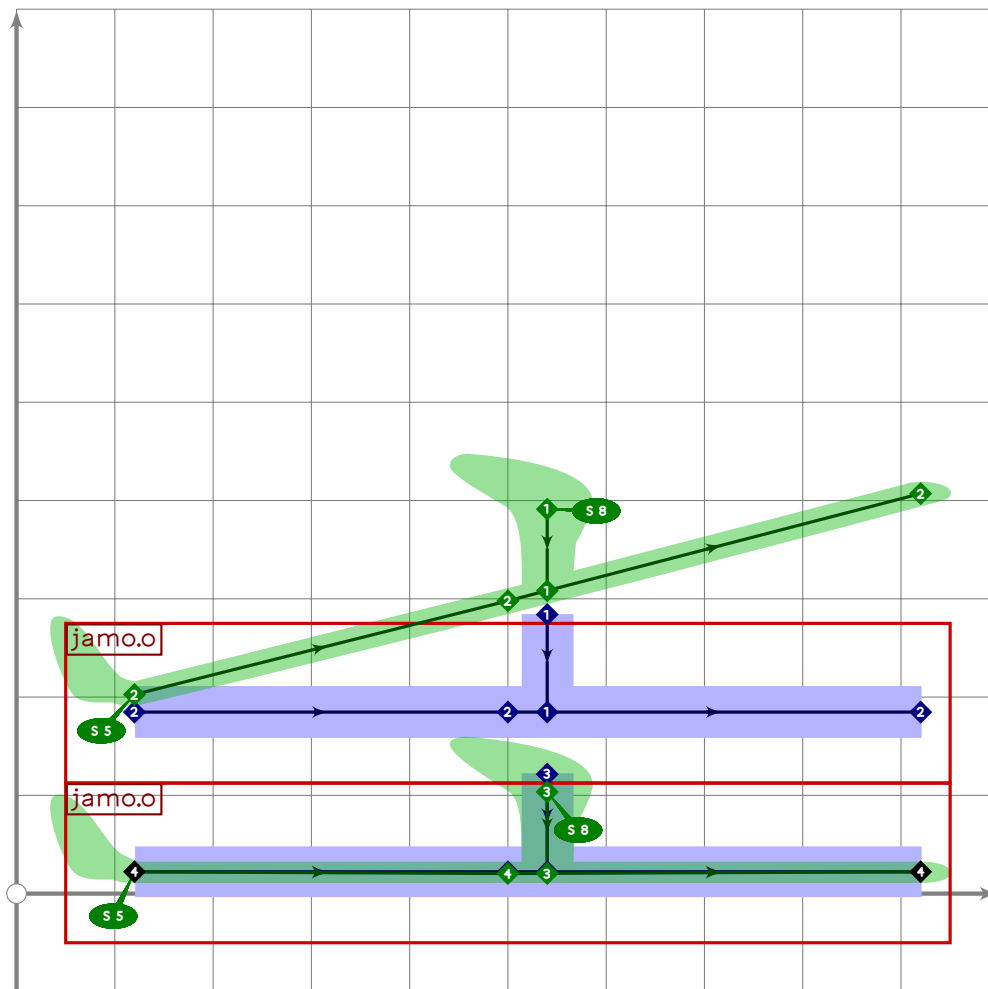
FF2



```

254 % hangul vowel o-ye
255 begint Suglyph("uni1181.nt",129);
256   hangul.combine.lr(308,307)(431,vixf,voxf);
257   tsu_render;
258 endtsuglyph;
259

```

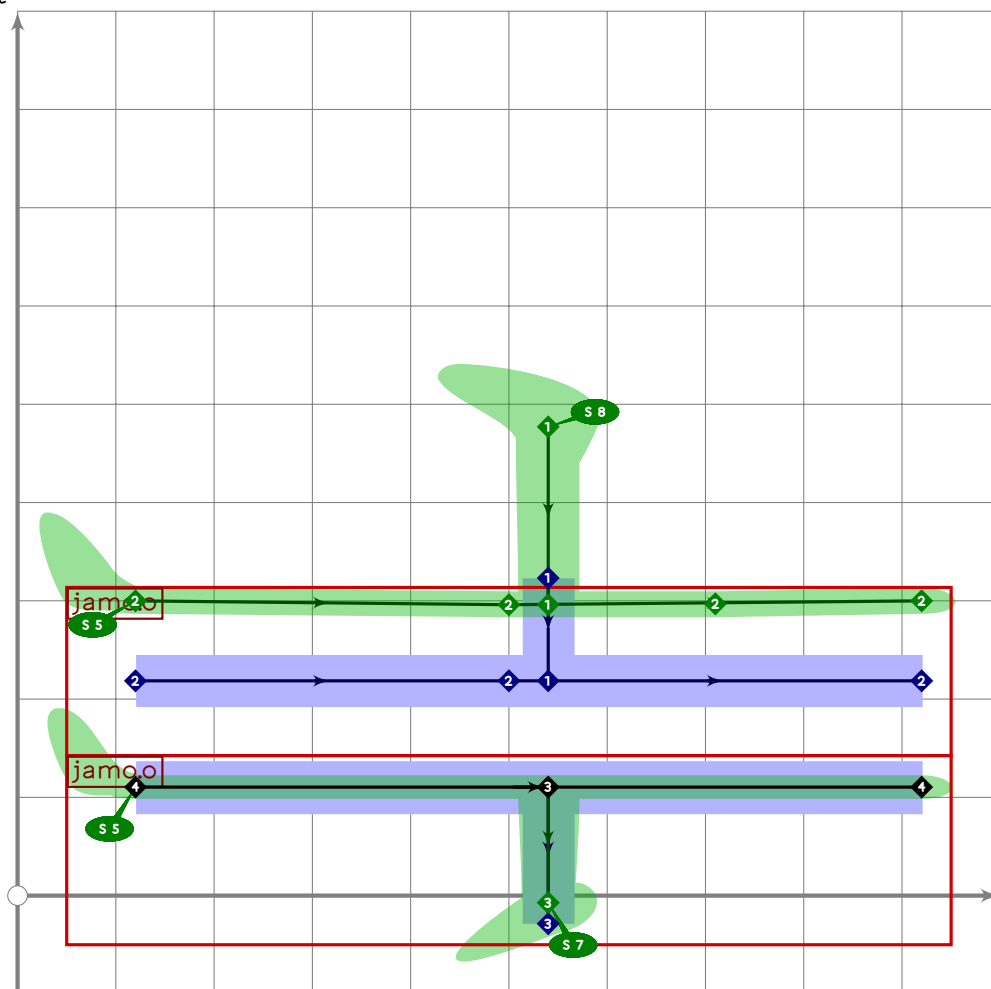
```

260 % hangul vowel o-o
261 begint Suglyph("uni1182.nt",130);
262   hangul.combine.tb(308,308)(444,vixf,vox f);
263   tsu_render;
264 endtsuglyph;
265

```

U+FF283
mande.uni1183.nt

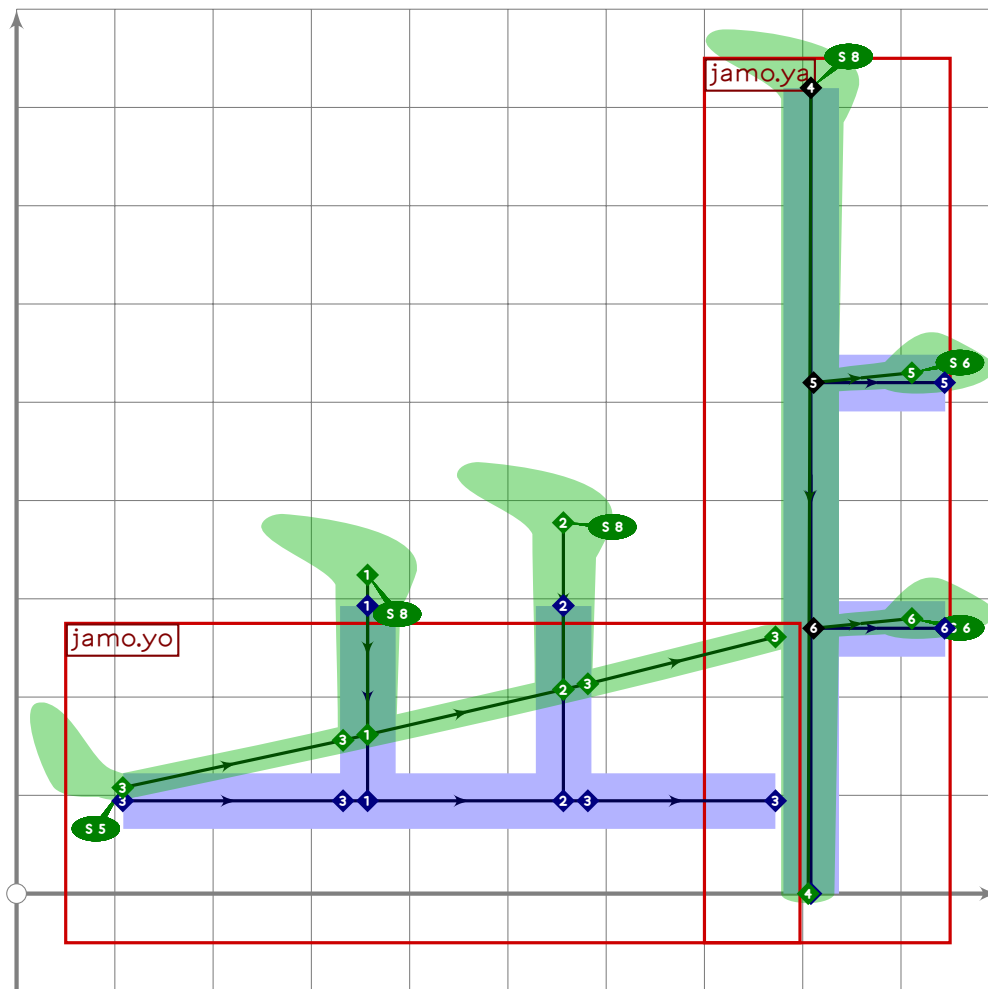
FF2



```

266 % hangul vowel o-u
267 beginsuglyph("uni1183.nt",131);
268   hangul.combine.tb(308,313)(whatever,tvixf,vox);
269   tsu_render;
270 endsuglyph;
271

```



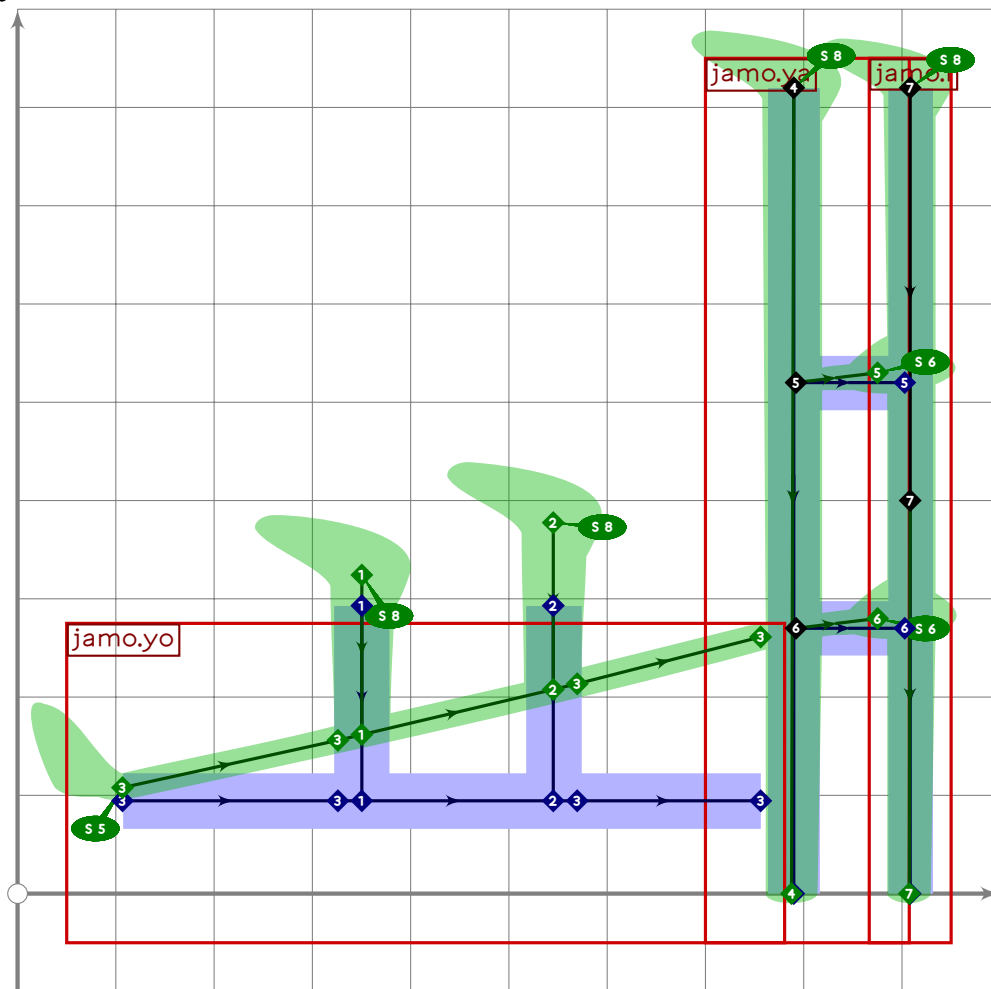
```

272 % hangul vowel yo-ya
273 beginsuglyph("uni1184.nt",132);
274   hangul.combine.lr(312,302)(421,vixf,vox);
275   tsu_render;
276 endsuglyph;
277

```

U+FF285
mande.uni1185.nt

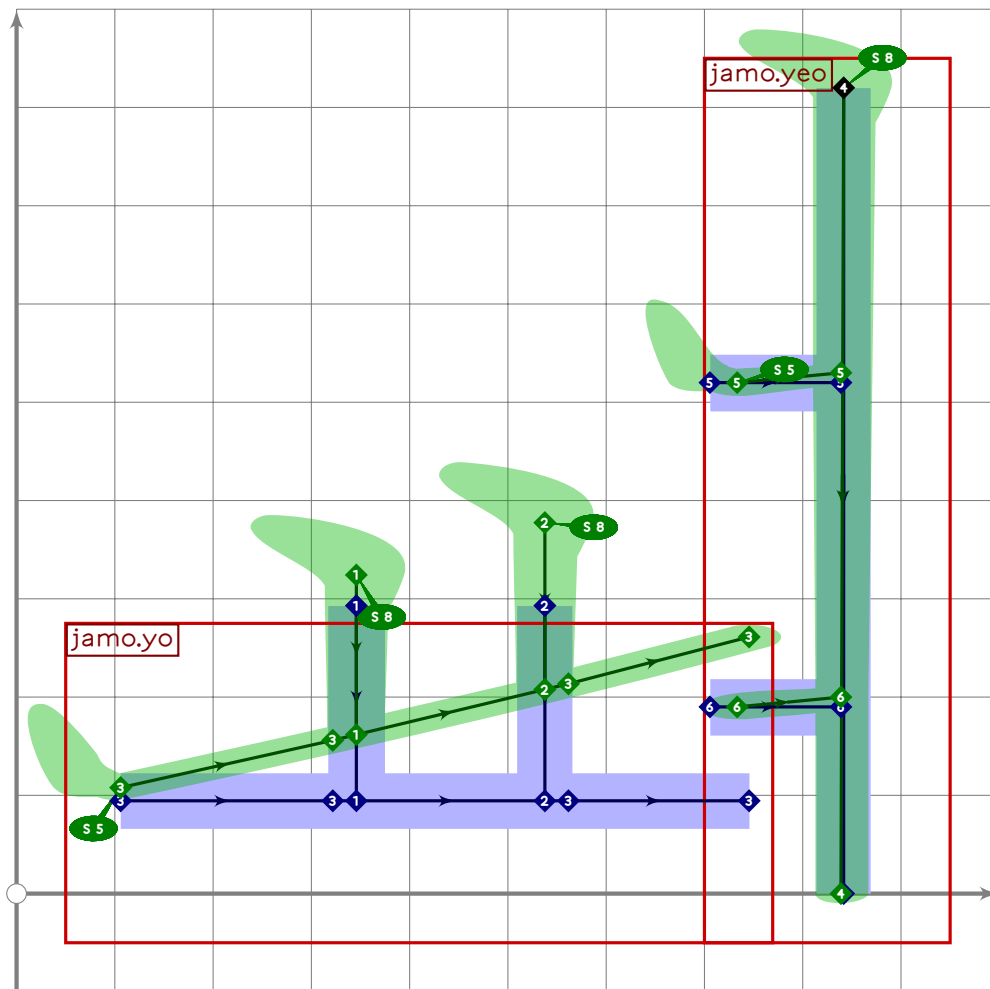
FF2



```

278 % hangul vowel yo-yae
279 begintsuglyph("uni1185.nt",133);
280   hangul.combine.lr(312,303)(422,vixf,vox);
281   tsu_render;
282 endtsuglyph;
283

```



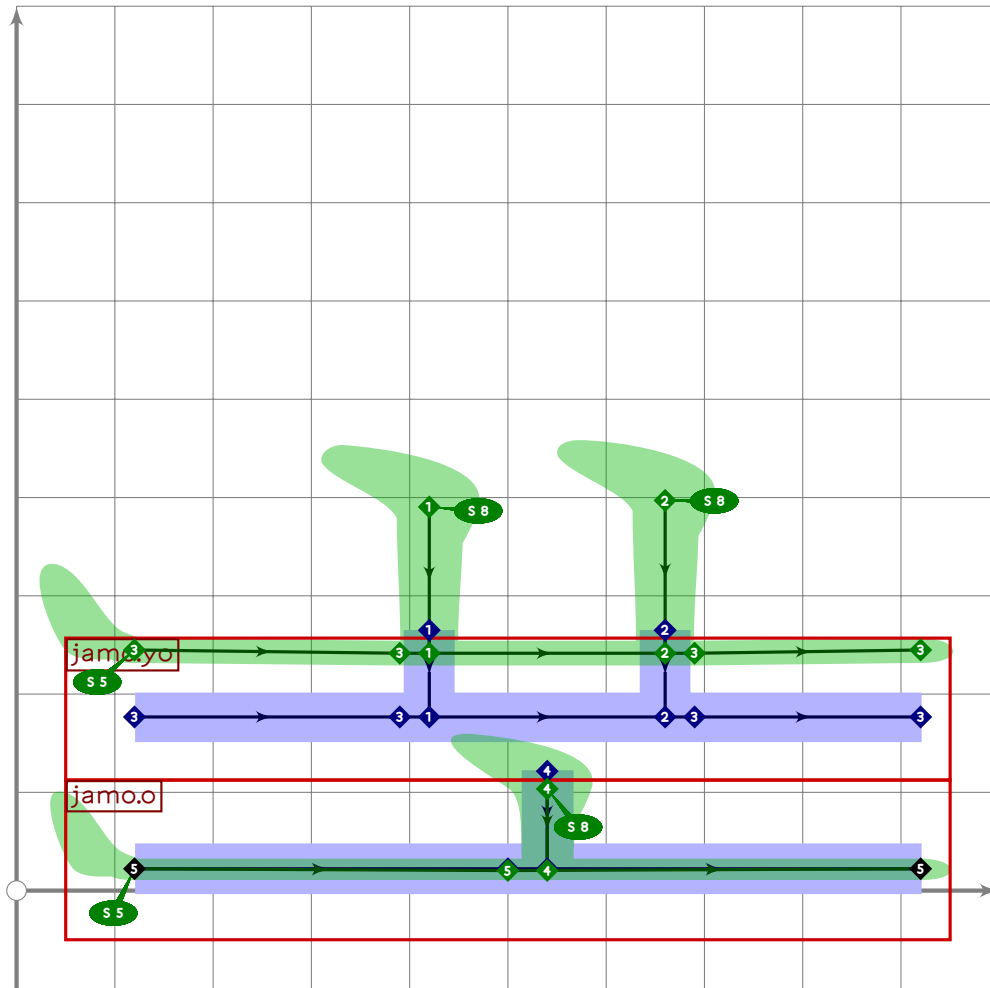
```

284 % hangul vowel yo-yeo
285 begintsuglyph("uni1186.nt";134);
286   hangul.combine.lr(312,306)(432,vixf,vox);
287   tsu_render;
288 endtsuglyph;
289

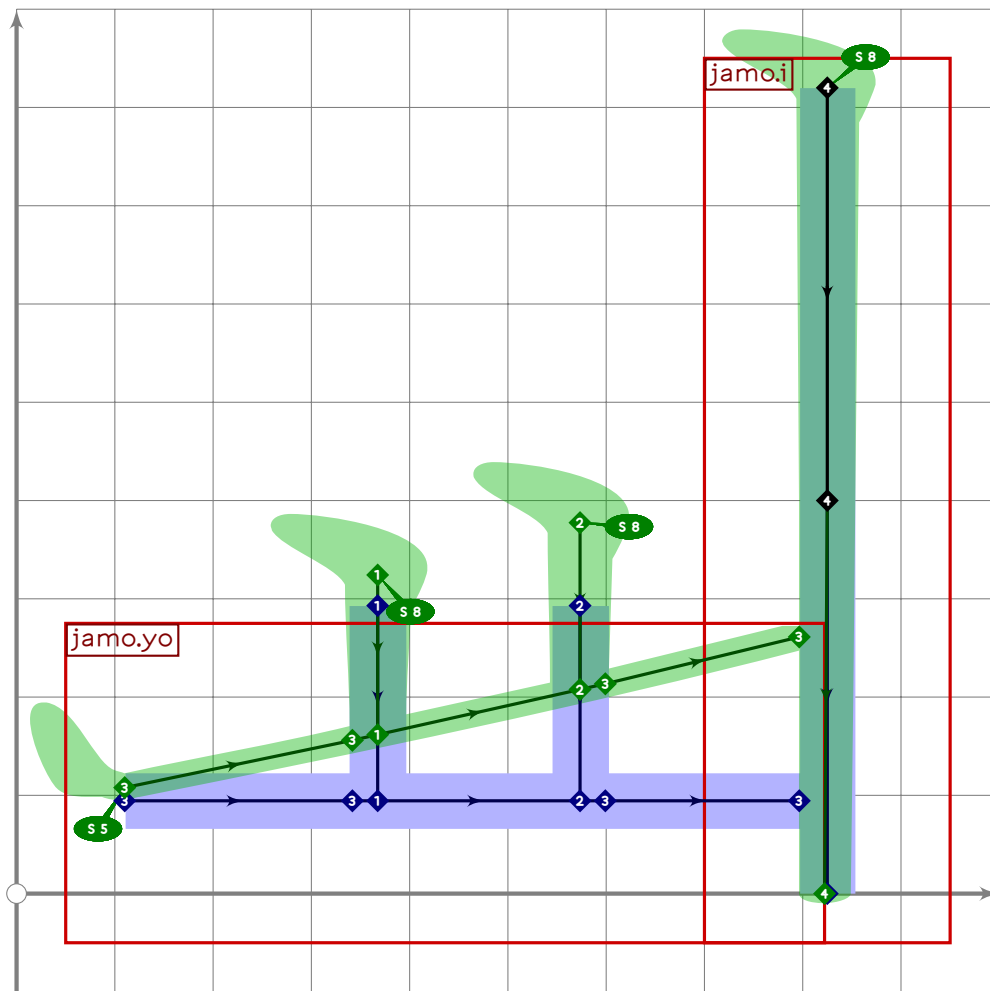
```

U+FF287
mande.uni1187.nt

FF2



```
290 % hangul vowel yo-o
291 begint Suglyph("uni1187.nt",135);
292   hangul.combine.tb(312,308)(whatever,vixf,vox);
293   tsu_render;
294 endtsuglyph;
295
```



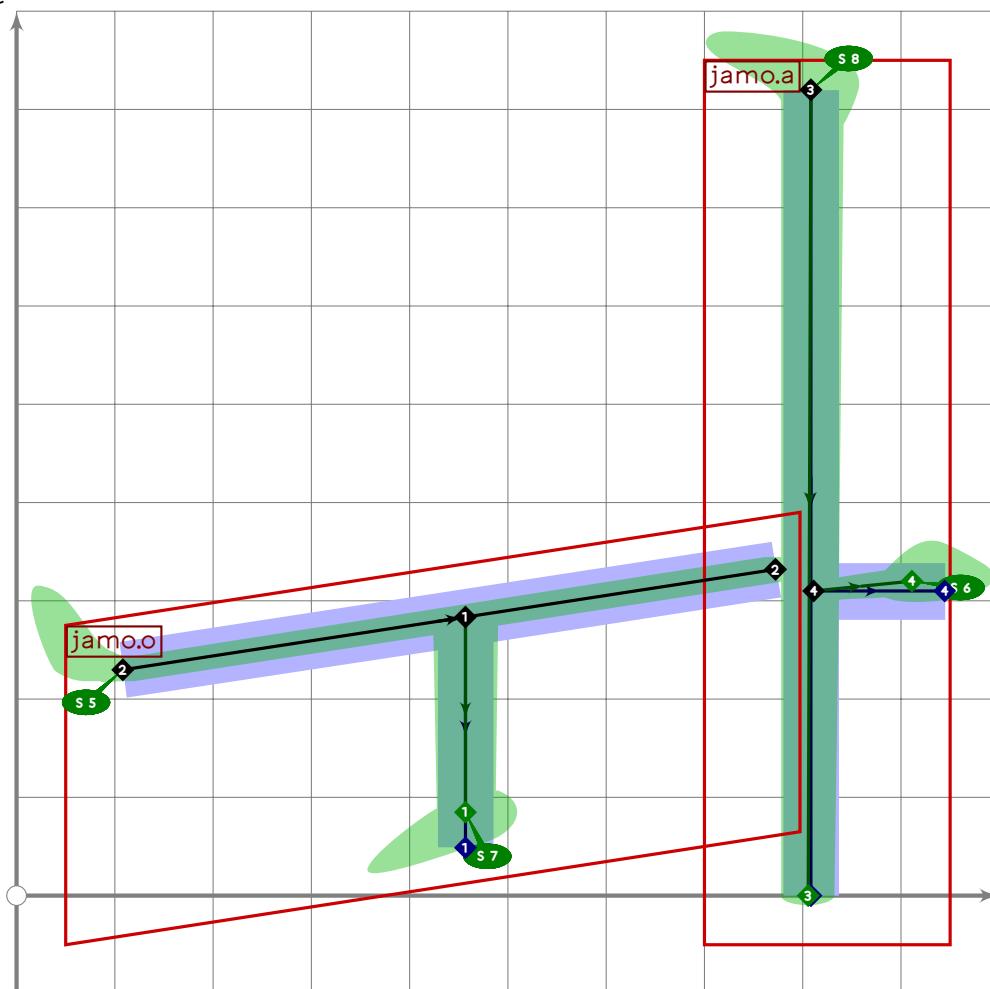
```

296 % hangul vowel yo-i
297 begintsuglyph("uni1188.nt",136);
298   hangul.combine.lr(312,320)(423,vixf,voxf);
299   tsu_render;
300 endtsuglyph;
301

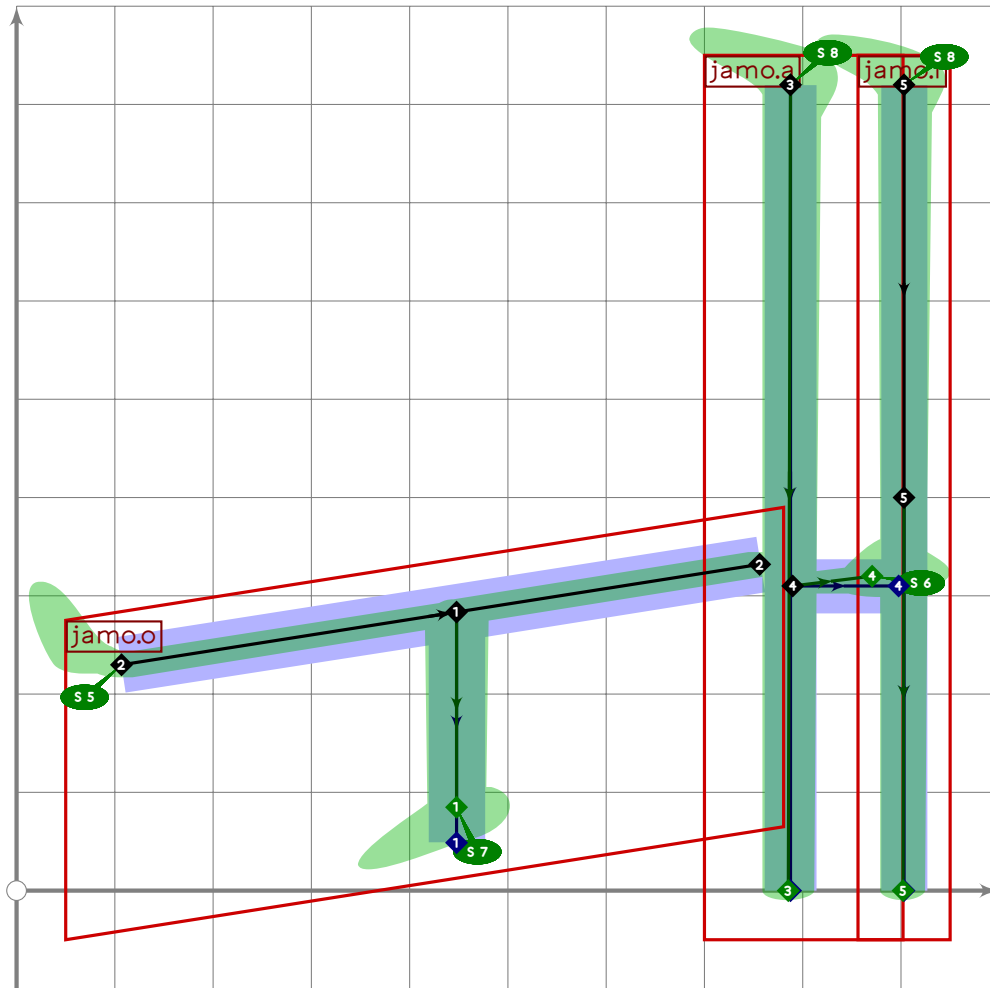
```

U+FF289
mande.uni1189.nt

FF2



```
302 % hangul vowel u-a
303 beginsuglyph("uni1189.nt",137);
304 hangul.combine.lr(313,300)(433,vixf,voxf);
305 tsu_render;
306 endtsuglyph;
307
```

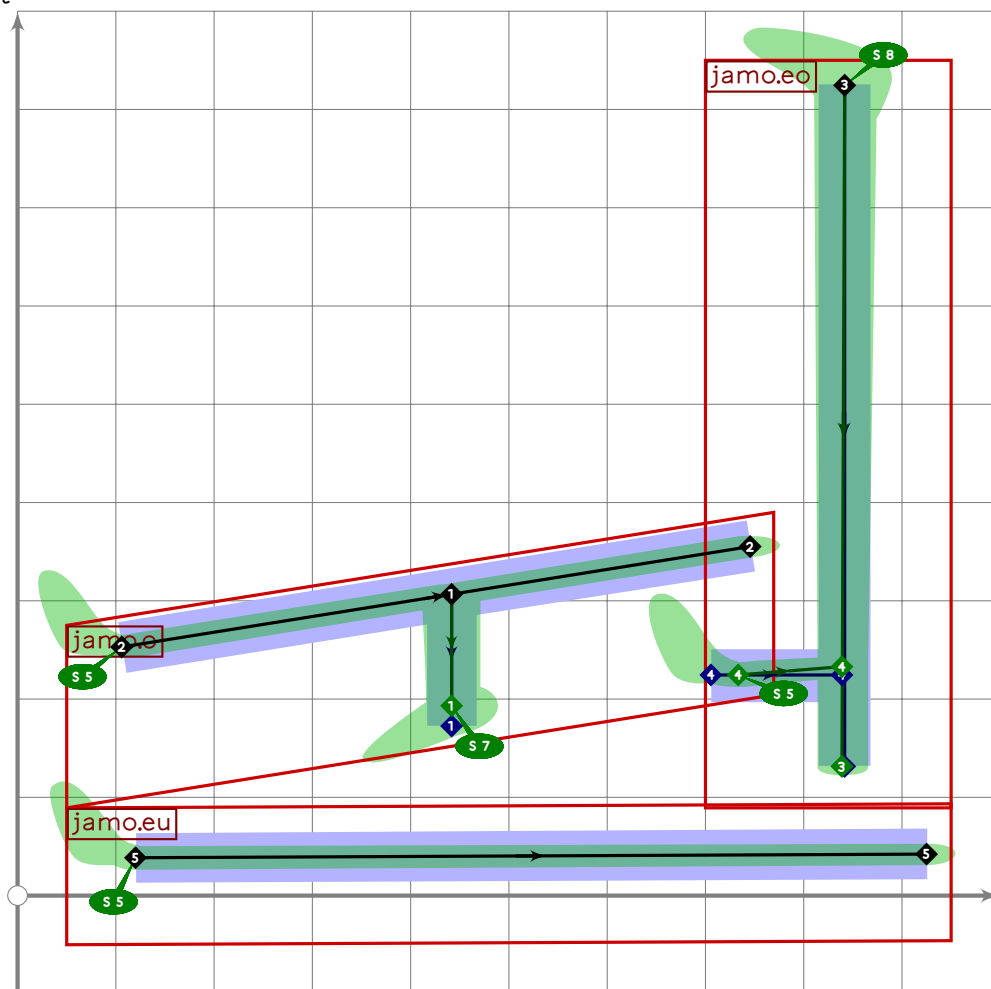
```

308 % hangul vowel u-ae
309 beginsuglyph("uni118A.nt",138);
310 hangul.combine.lr(313,301)(434,vixf,vox);
311 tsu_render;
312 endtsuglyph;
313

```

U+FF28B
mande.uni118B.nt

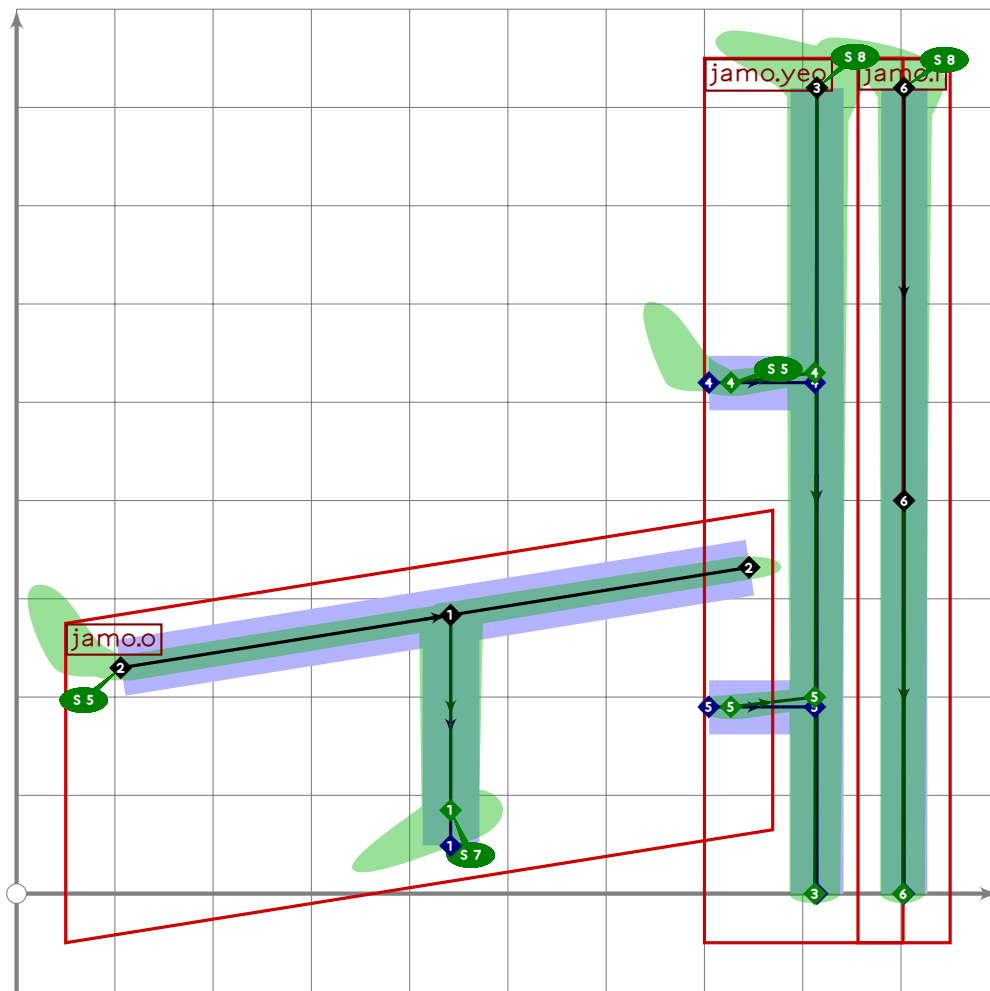
FF2



```

314 % hangul vowel u-eo-eu
315 begintsuglyph("uni118B.nt",139);
316 hangul.combine.tb(314,318)(435,vixf,vox);
317 tsu_render;
318 endtsuglyph;
319

```



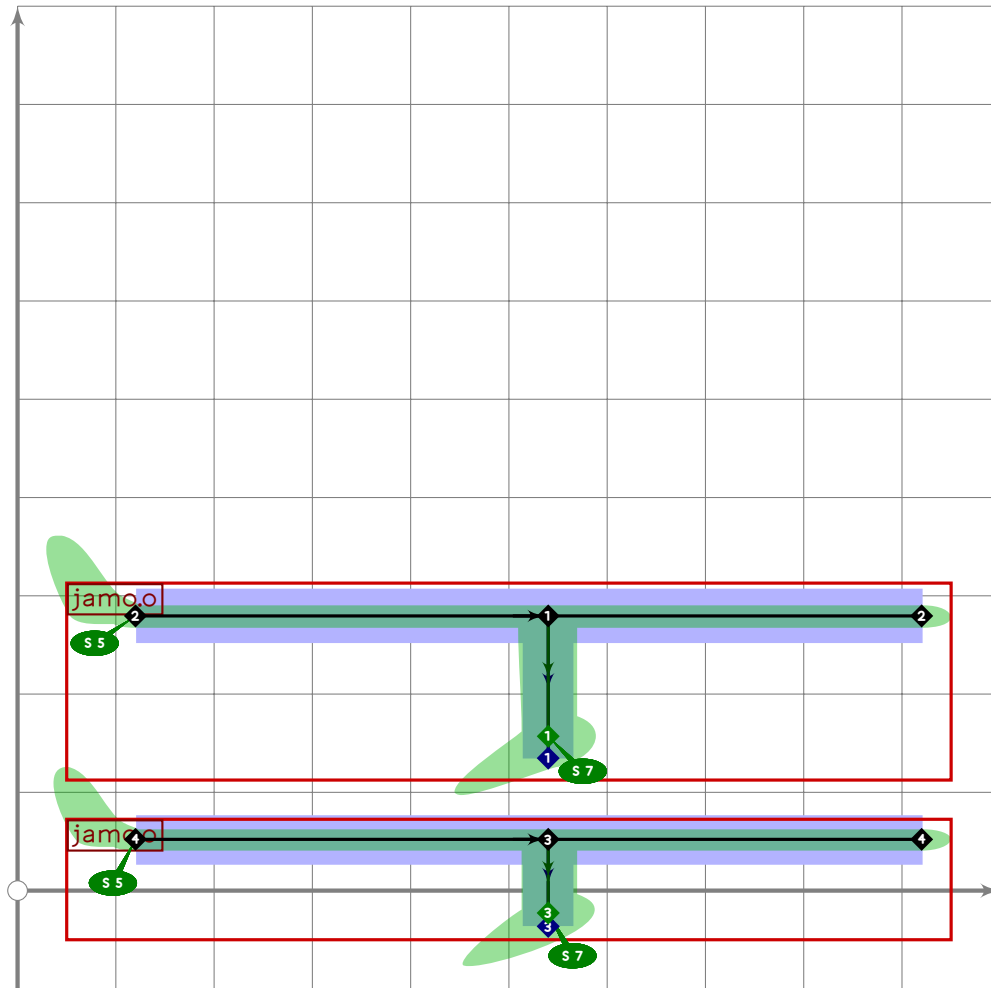
```

320 % hangul vowel u-ye
321 begint Suglyph("uni118C.nt",140);
322   hangul.combine.lr(313,307)(436,vixf,voxf);
323   tsu_render;
324 endtsuglyph;
325

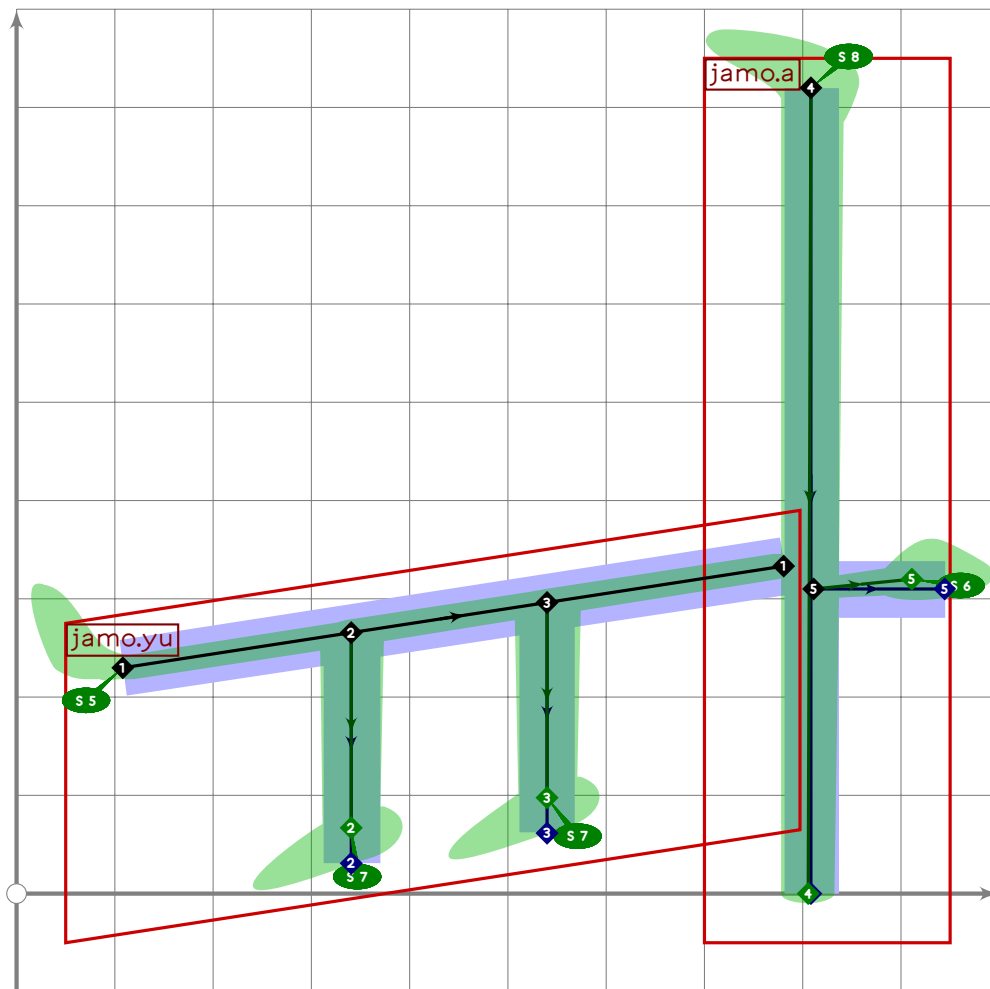
```

U+FF28D
mande.uni118D.nt

FF2



```
326 % hangul vowel u-u
327 beginsuglyph("uni118D.nt",141);
328 hangul.combine.tb(313,313)(whatever,vixf,vox);
329 tsu_render;
330 endsuglyph;
331
```



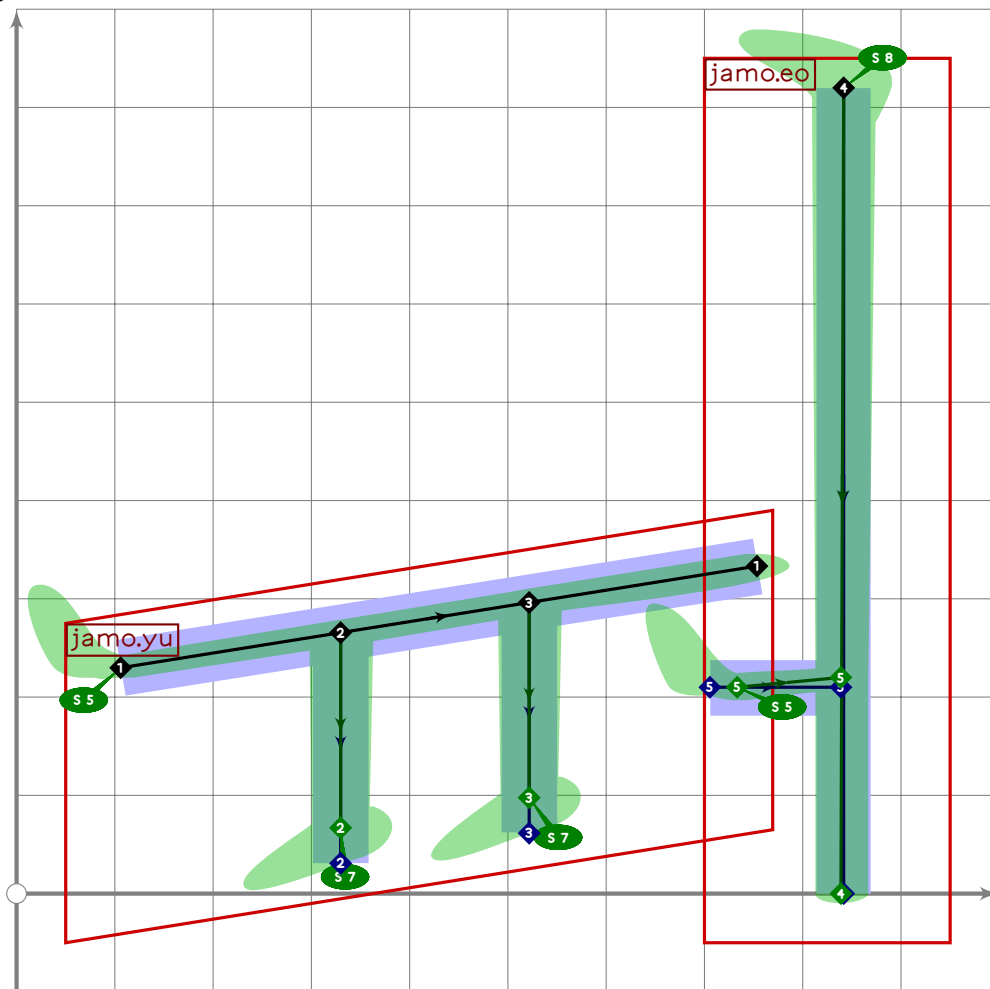
```

332 % hangul vowel yu-a
333 begintsuglyph("uni118E.nt",142);
334 hangul.combine.lr(317,300)(437,vixf,voxf);
335 tsu_render;
336 endtsuglyph;
337

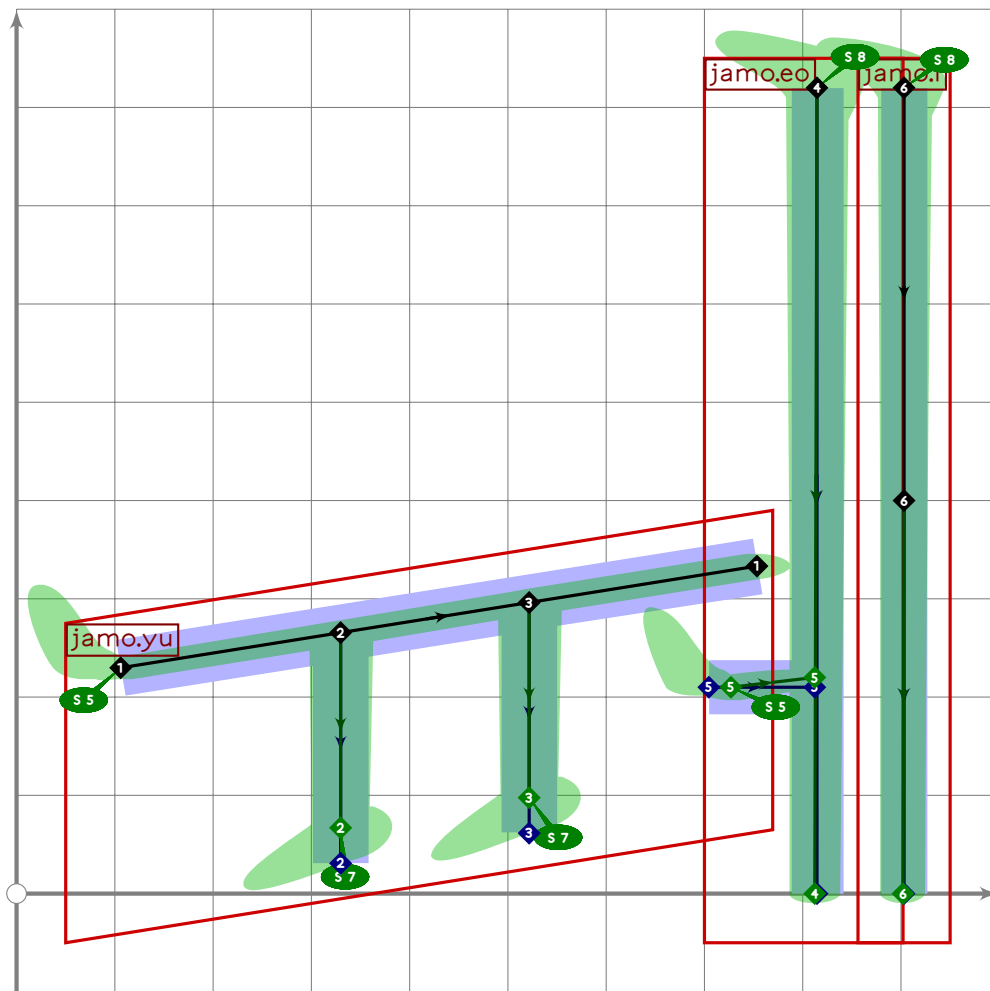
```

U+FF28F
mande.uni118F.nt

FF2



```
338 % hangul vowel yu-eo
339 beginsuglyph("uni118F.nt",143);
340 hangul.combine.lr(317,304)(438,vixf,vox);
341 tsu_render;
342 endsuglyph;
343
```

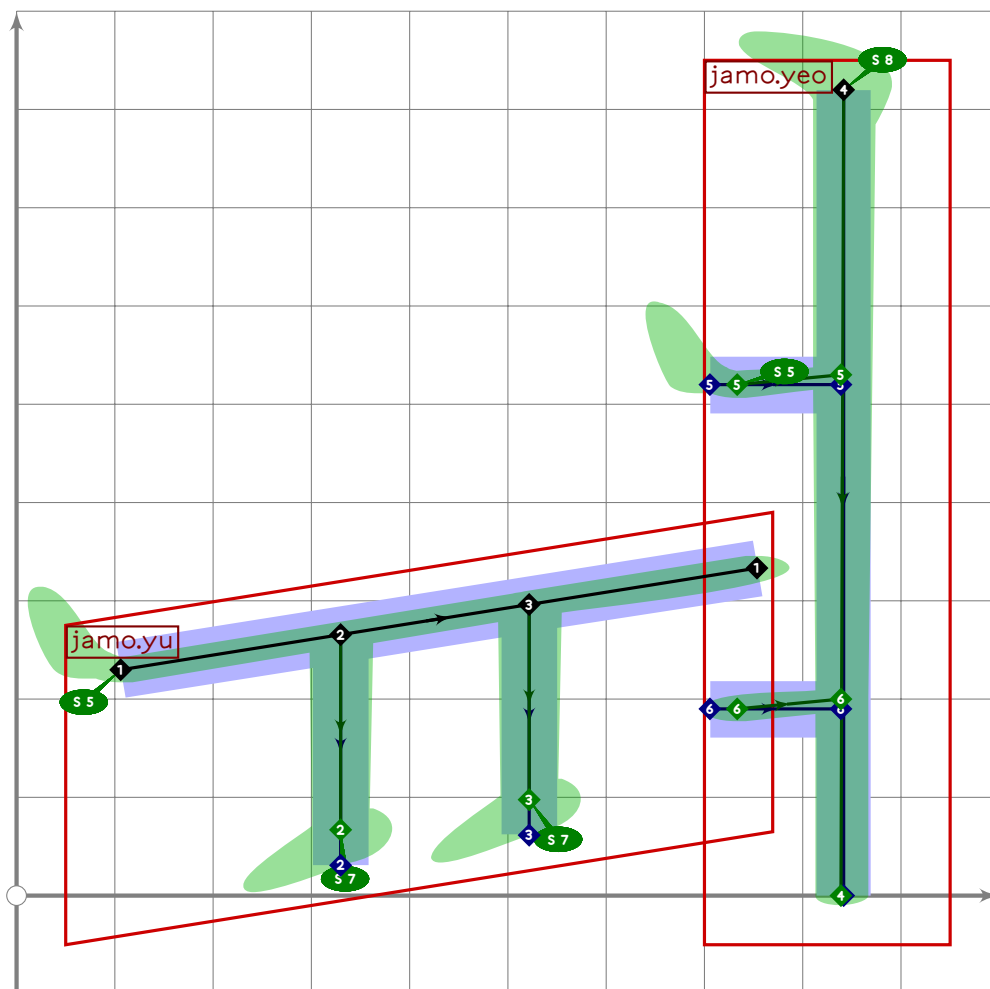


```

344 % hangul vowel yu-e
345 begint Suglyph("uni1190.nt",144);
346   hangul.combine.lr(317,305)(439,vixf,voxf);
347   tsu_render;
348 endtsuglyph;
349

```

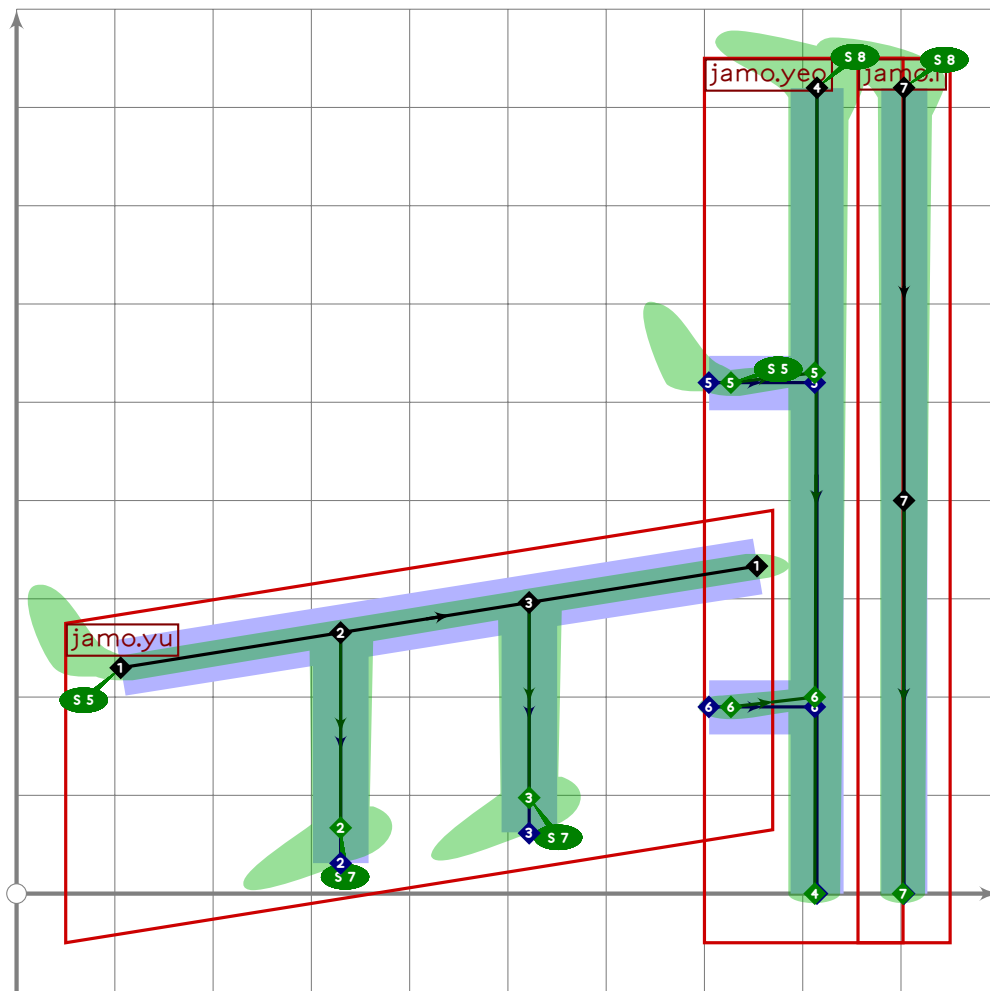
FF2



```

350 % hangul vowel yu-yeo
351 begintsuglyph("uni1191.nt",145);
352   hangul.combine.lr(317,306)(424,vixf,voxf);
353   tsu_render;
354 endtsuglyph;
355

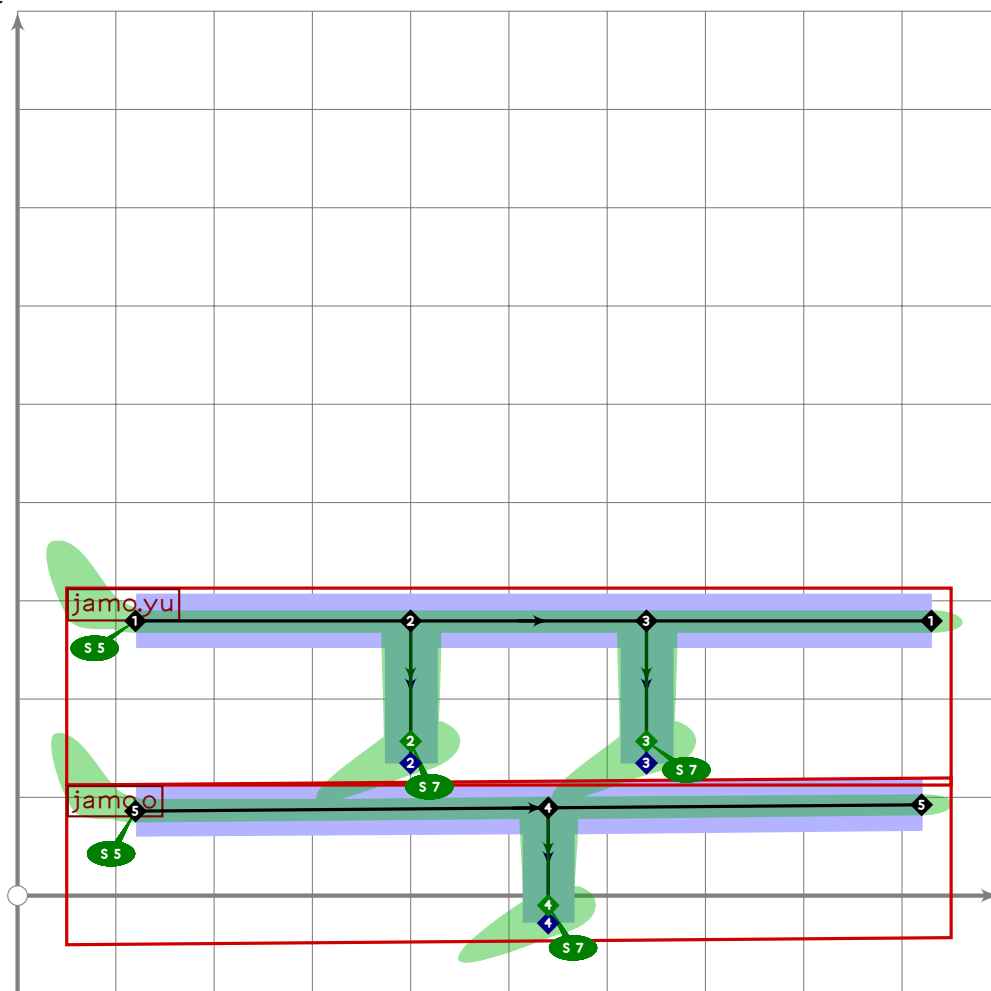
```

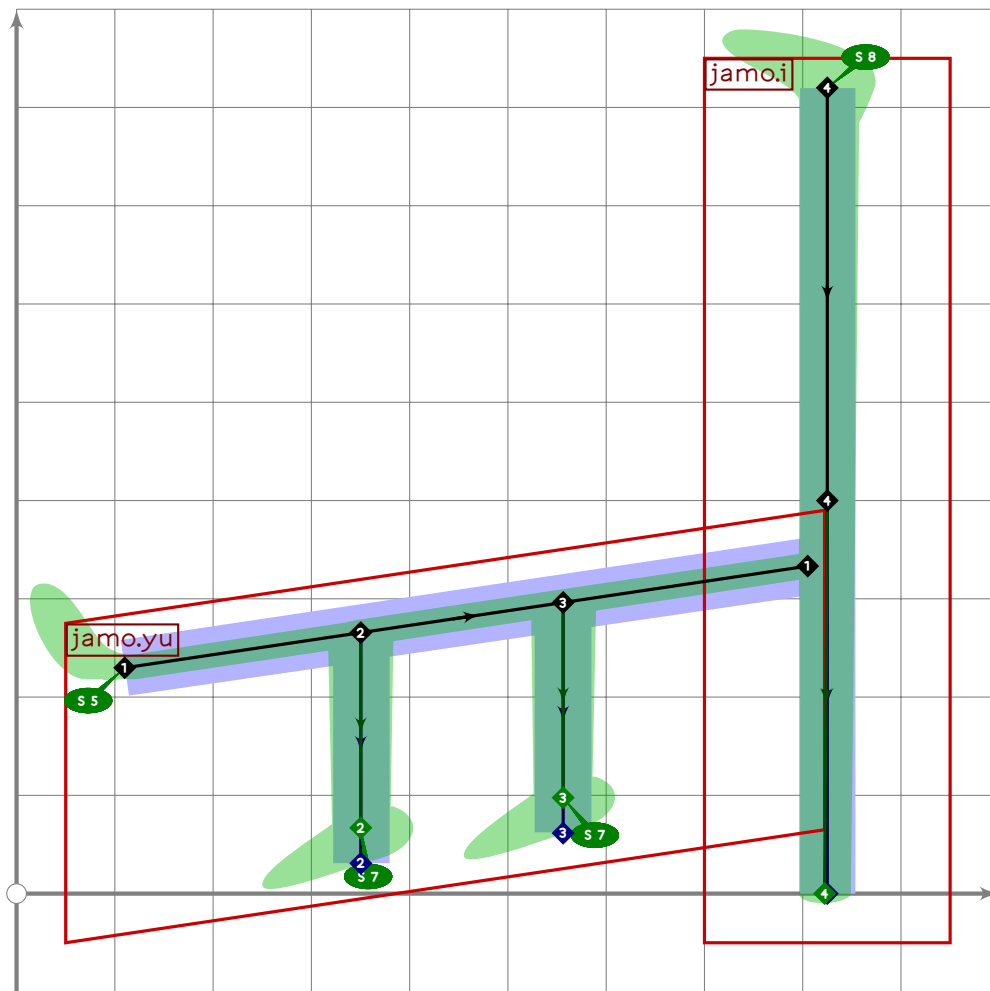
5285

U+FF293
mande.uni1193.nt

FF2



```
362 % hangul vowel yu-u
363 begintsuglyph("uni1193.nt",147);
364 hangul.combine.tb(317,313)(whatever,vixf,voxf);
365 tsu_render;
366 endtsuglyph;
367
```



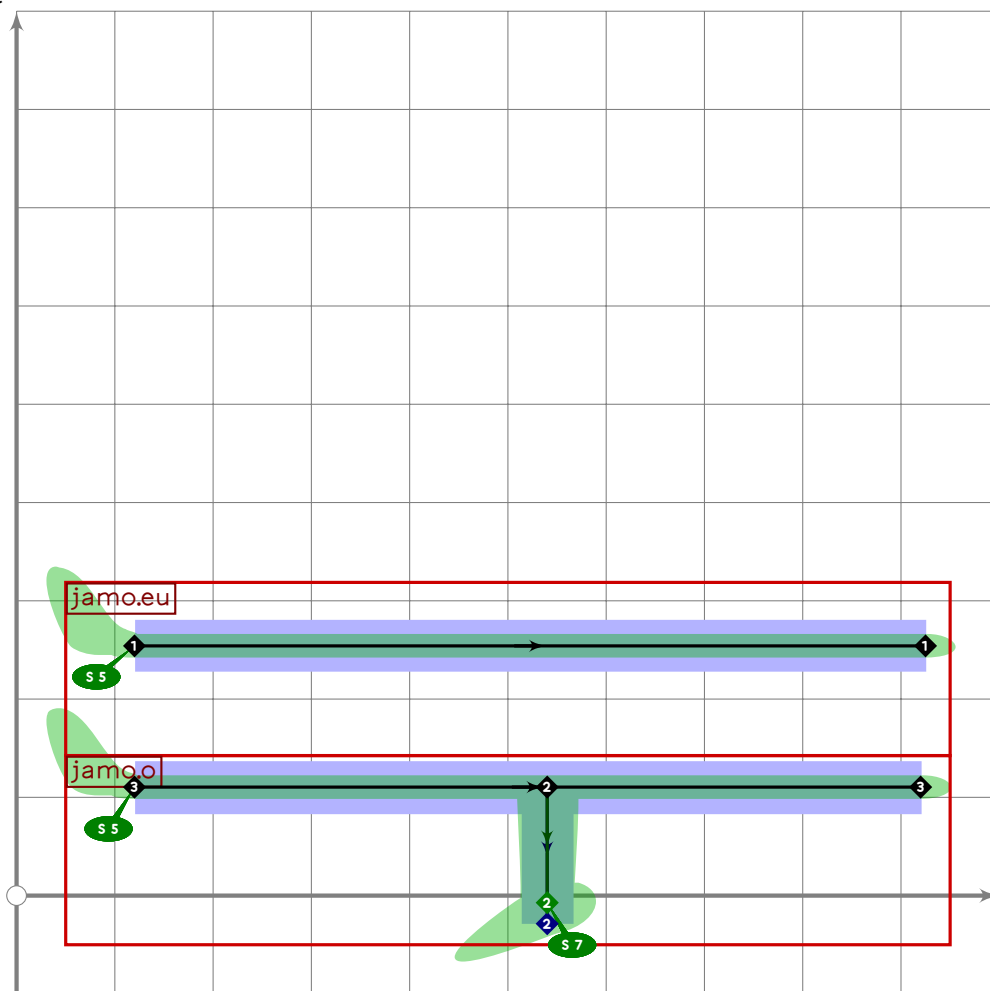
```

368 % hangul vowel yu-i
369 begintsuglyph("uni1194.nt",148);
370 hangul.combine.lr(317,320)(426,vixf,vox);
371 tsu_render;
372 endtsuglyph;
373

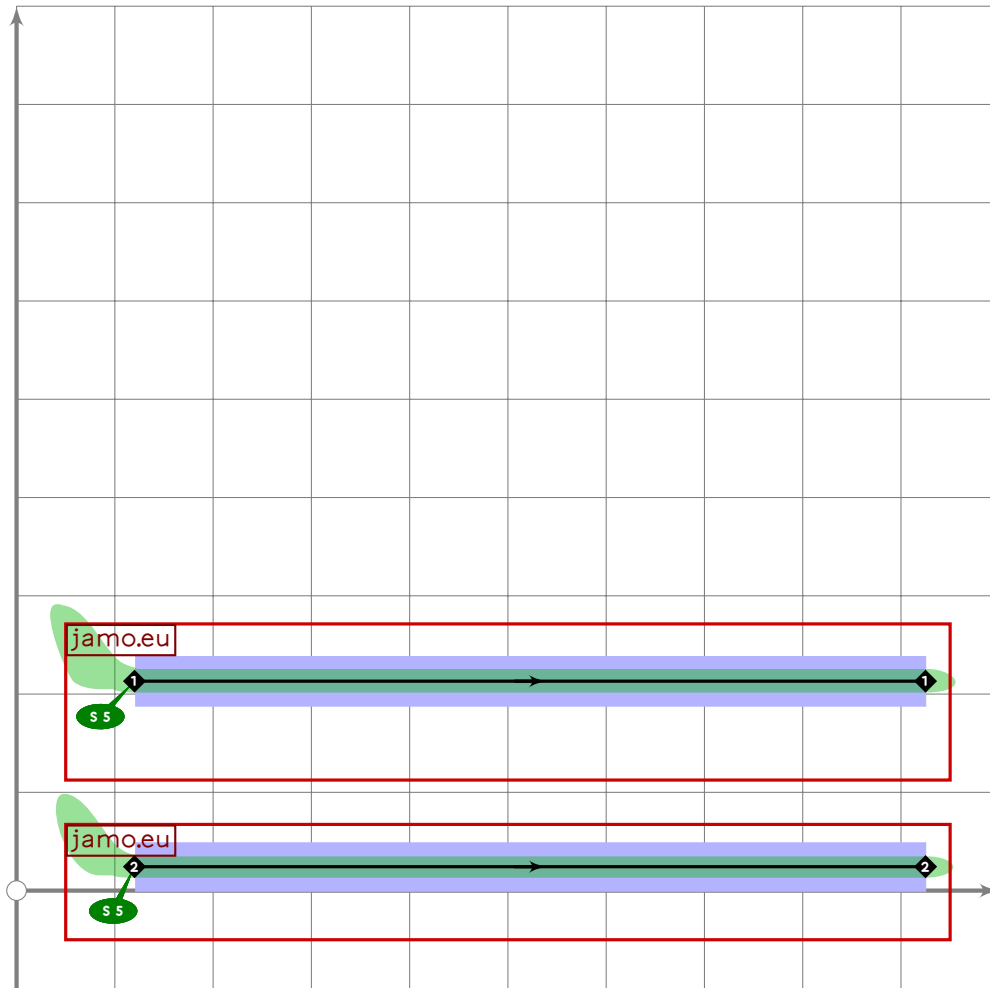
```

U+FF295
mande.uni1195.nt

FF2



```
374 % hangul vowel eu-u
375 beginsuglyph("uni1195.nt",149);
376   hangul.combine.tb(318,313)(whatever,tvixf,vox);
377   tsu_render;
378 endsuglyph;
379
```



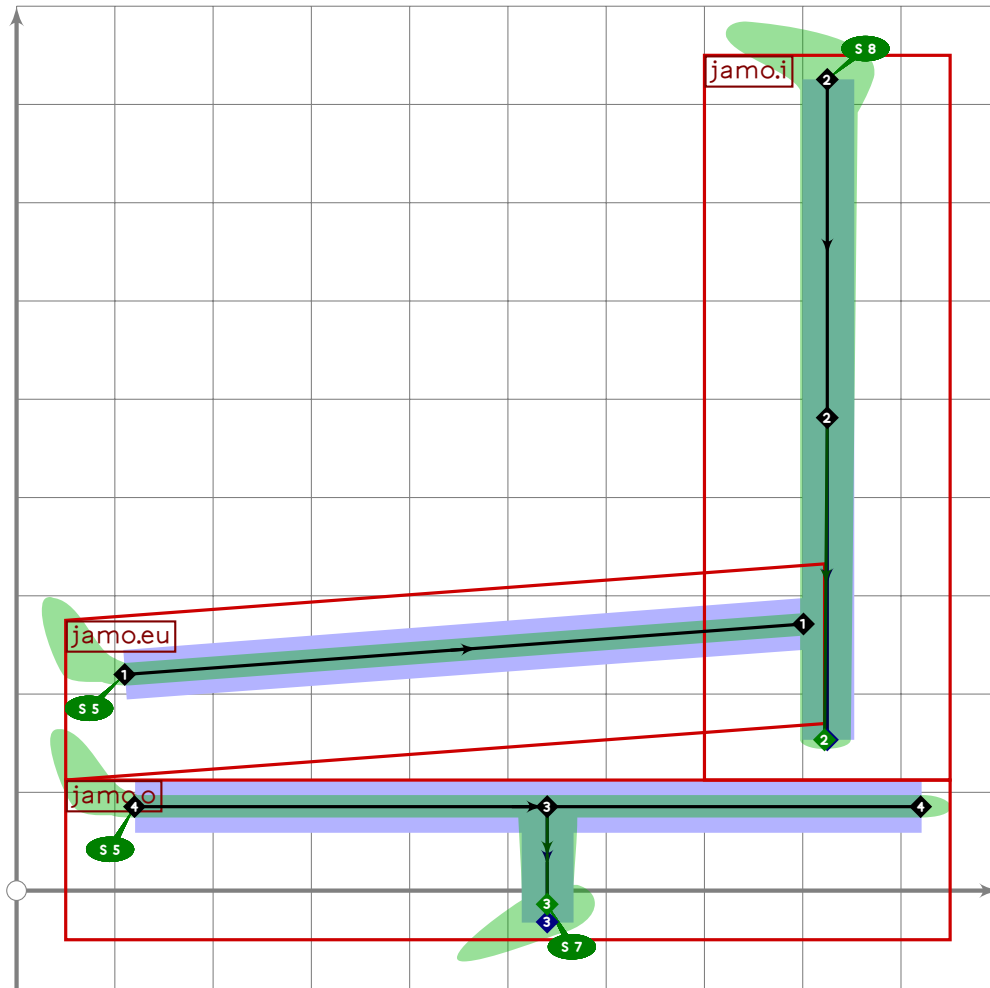
```

380 % hangul vowel eu-eu
381 begintsuglyph("uni1196.nt",150);
382   hangul.combine.tb(318,318)(whatever,vixf,vox);
383   tsu_render;
384 endtsuglyph;
385

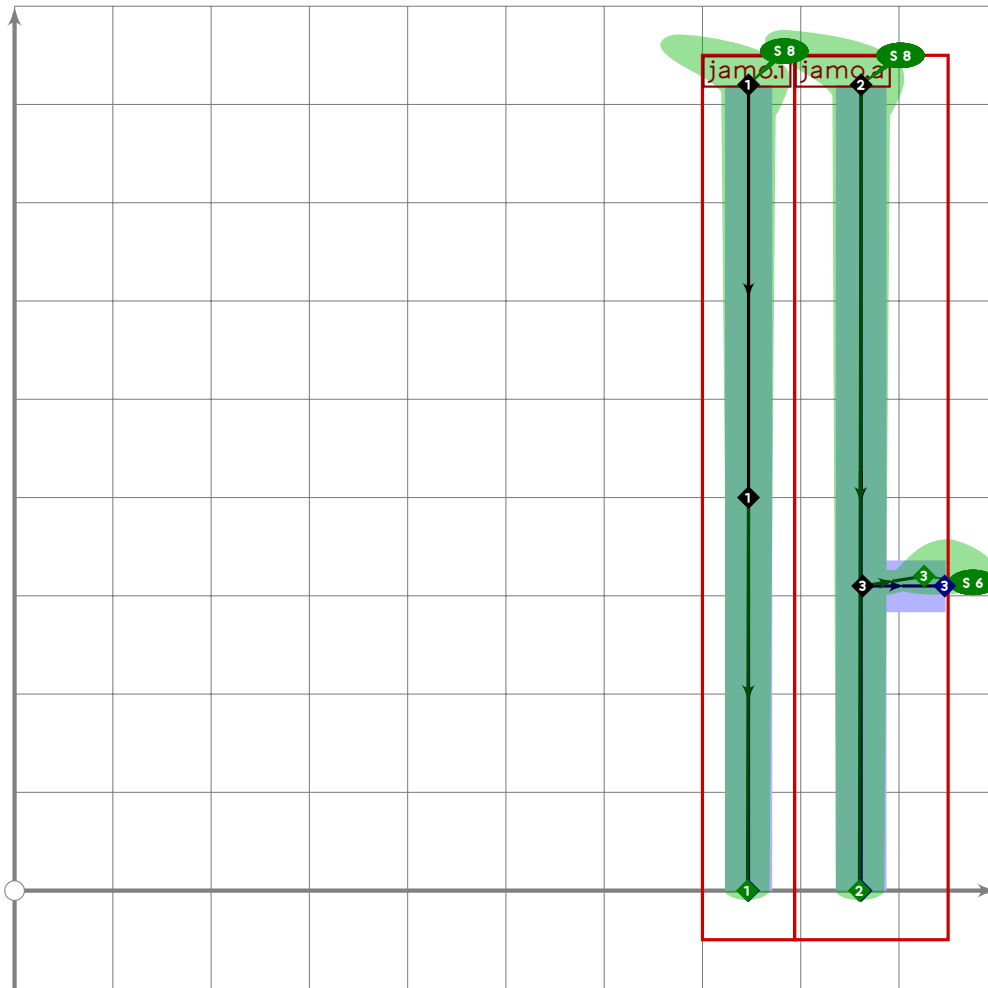
```

U+FF297
mande.uni1197.nt

FF2



```
386 % hangul vowel yi-u
387 beginsuglyph("uni1197.nt",151);
388   hangul.combine.tb(319,313)(440,vixf,voxf);
389   tsu_render;
390 endsuglyph;
391
```



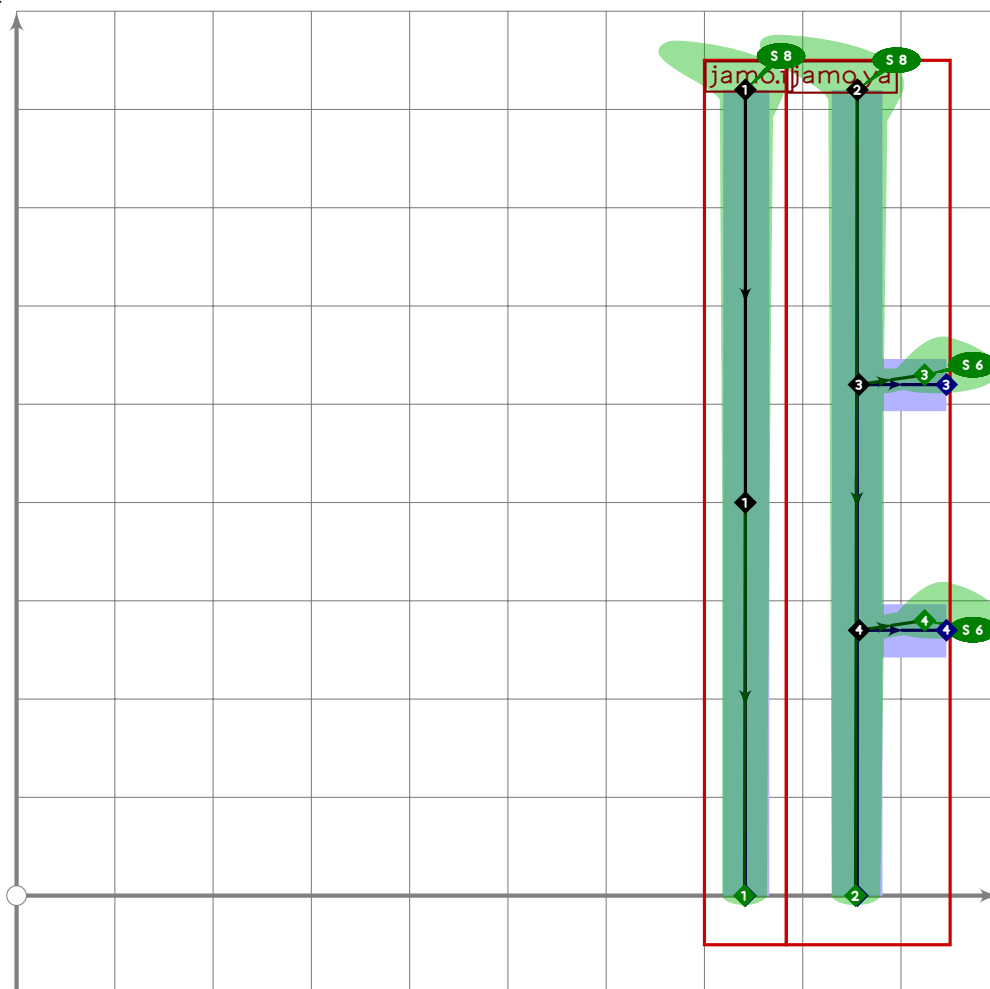
```

392 % hangul vowel i-a
393 beginsuglyph("uni1198.nt",152);
394   hangul.combine.lr(320,300)(whatever,vixf,voxf);
395   tsu_render;
396 endsuglyph;
397

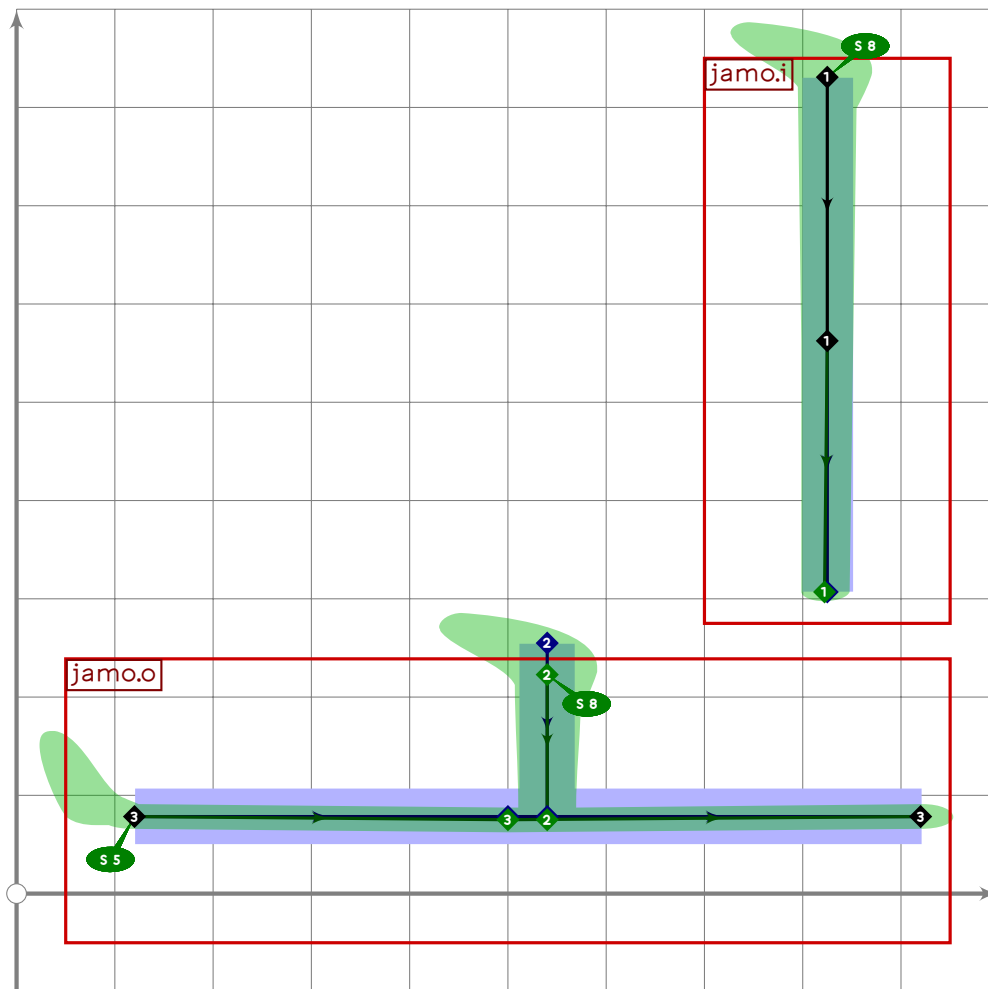
```

U+FF299
mande.uni1199.nt

FF2



```
398 % hangul vowel i-ya
399 begint Suglyph("uni1199.nt",153);
400 hangul.combine.lr(320,302)(whatever,vixf,voxf);
401 tsu_render;
402 endtsuglyph;
403
```

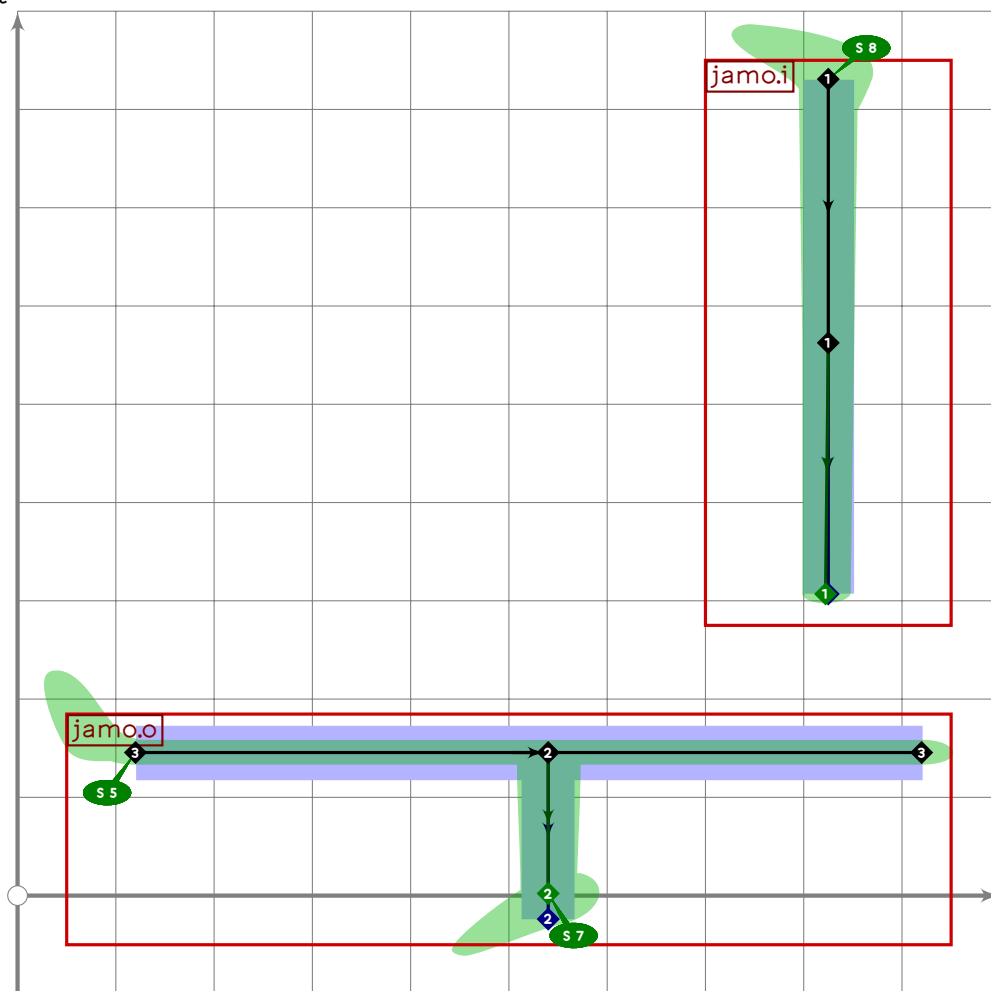
```

404 % hangul vowel i-o
405 beginsuglyph("uni119A.nt",154);
406 hangul.combine.tb(320,308)(whatever,vixf,vox);
407 tsu_render;
408 endsuglyph;
409

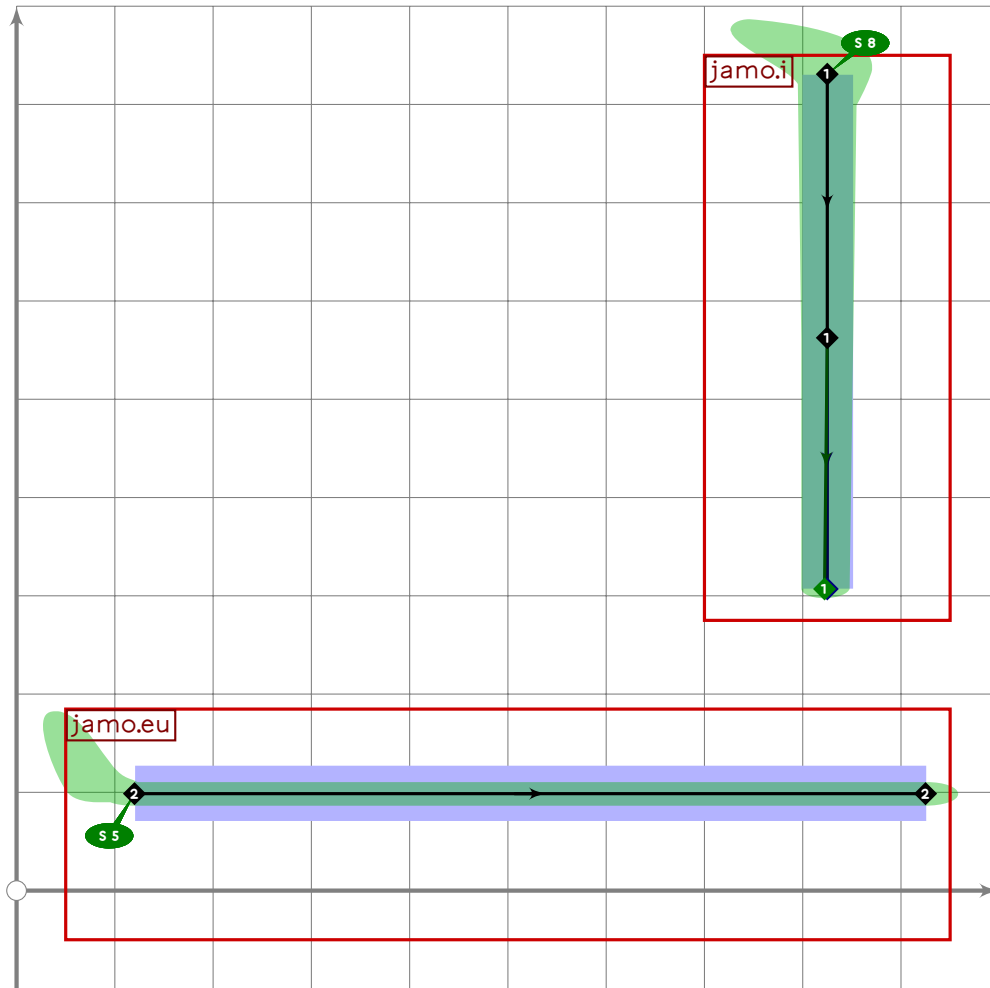
```

U+FF29B
mande.uni119B.nt

FF2



```
410 % hangul vowel i-u
411 beginsuglyph("uni119B.nt",155);
412 hangul.combine.tb(320,313)(whatever,vixf,vox);
413 tsu_render;
414 endsuglyph;
415
```



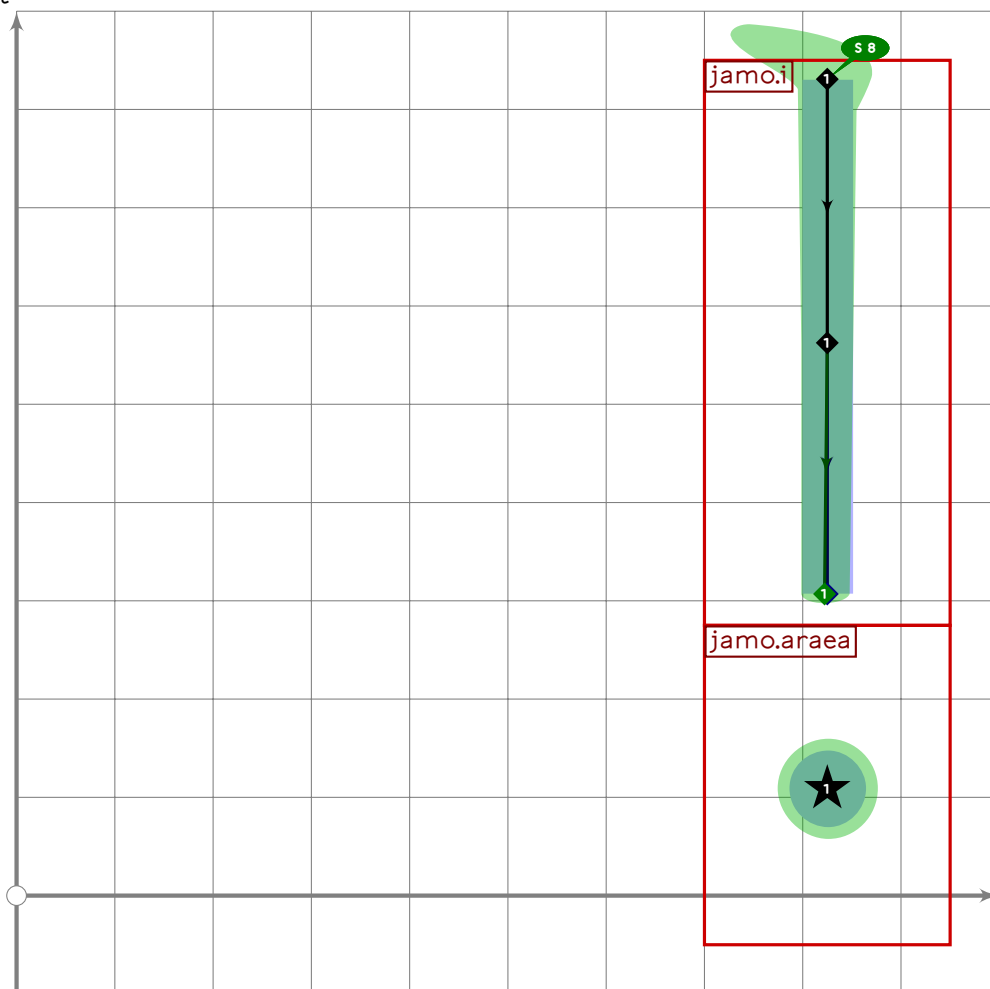
```

416 % hangul vowel i-eu
417 begintsuglyph("uni119C.nt",156);
418 hangul.combine.tb(320,318)(whatever,vixf,vox);
419 tsu_render;
420 endsuglyph;
421

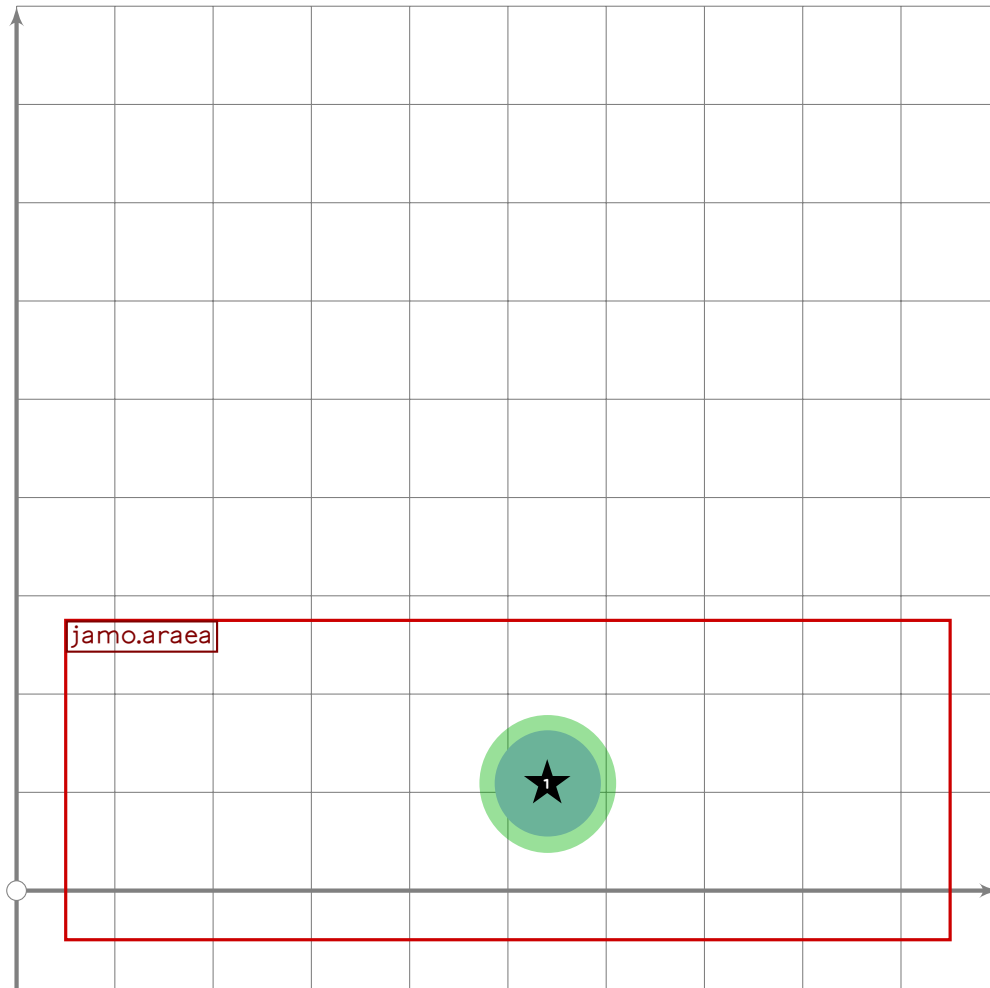
```

U+FF29D
mande.uni119D.nt

FF2

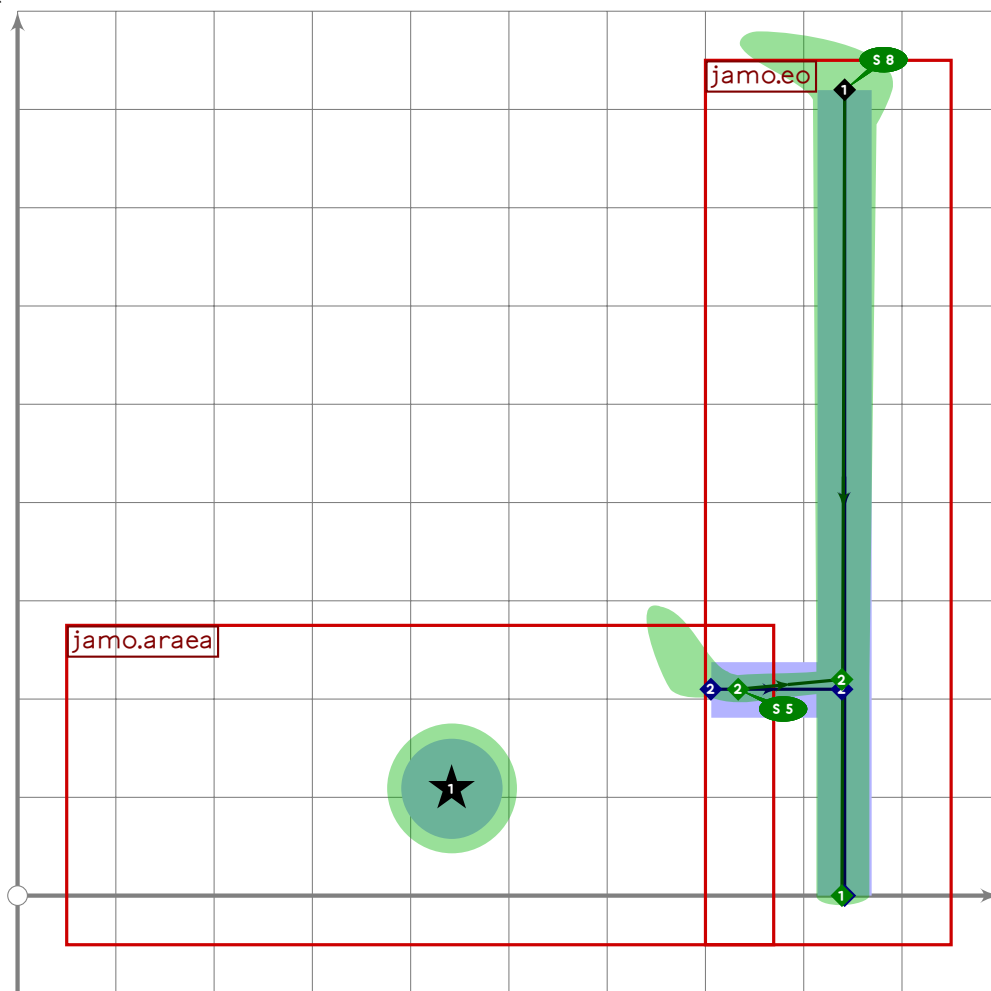


```
422 % hangul vowel i-araea
423 beginsuglyph("uni119D.nt",157);
424   hangul.combine.tb(320,428)(441,vixf,voxf);
425   tsu_render;
426 endsuglyph;
427
```

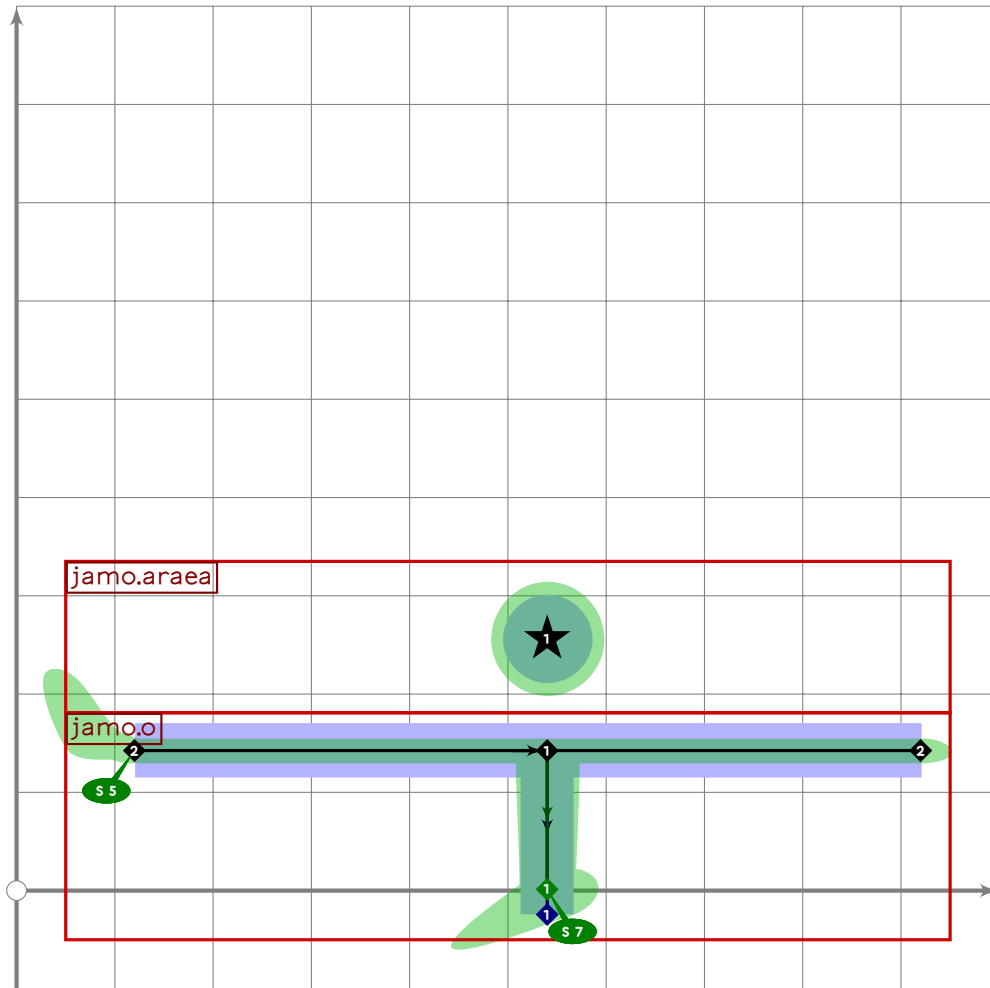


```
428 % hangul vowel araea
429 begintsuglyph("uni119E.nt",158);
430 hangul.jamo.araea(428,vixf,vox);
431 tsu_render;
432 endtsuglyph;
433
```

FF2



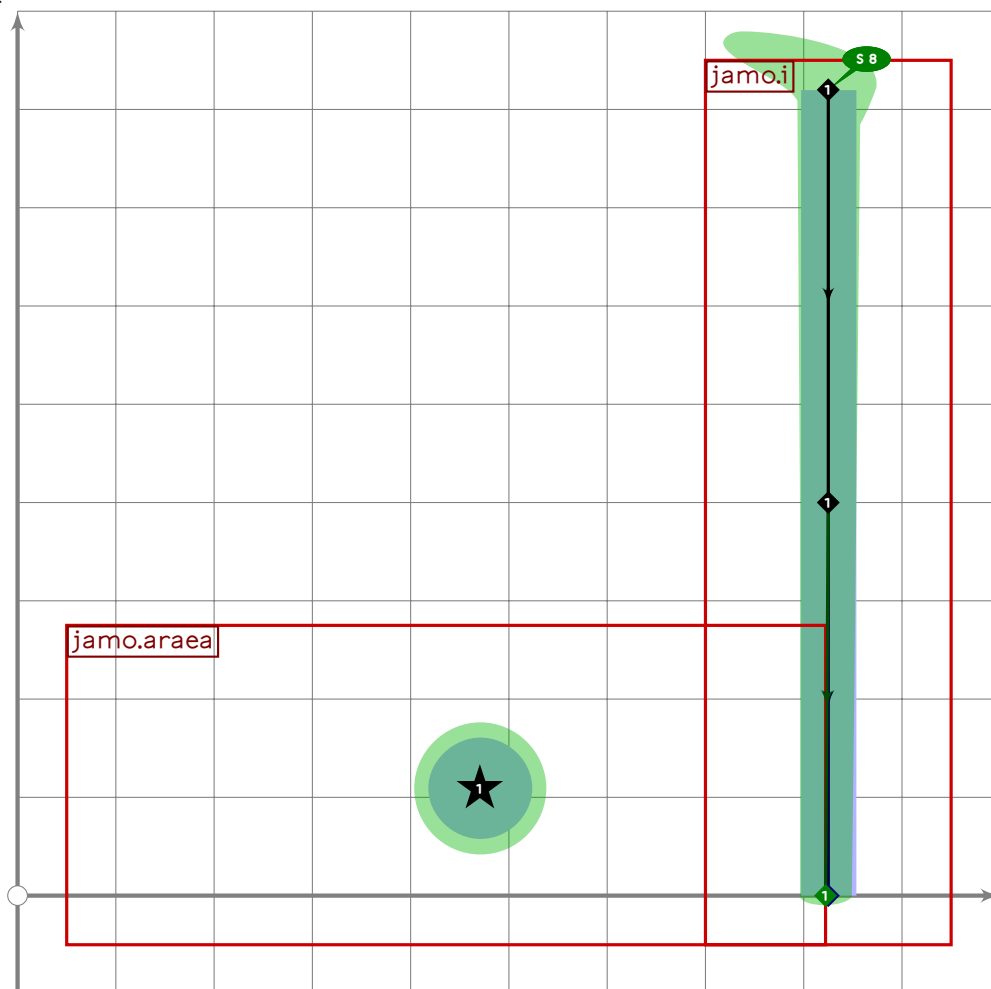
5298



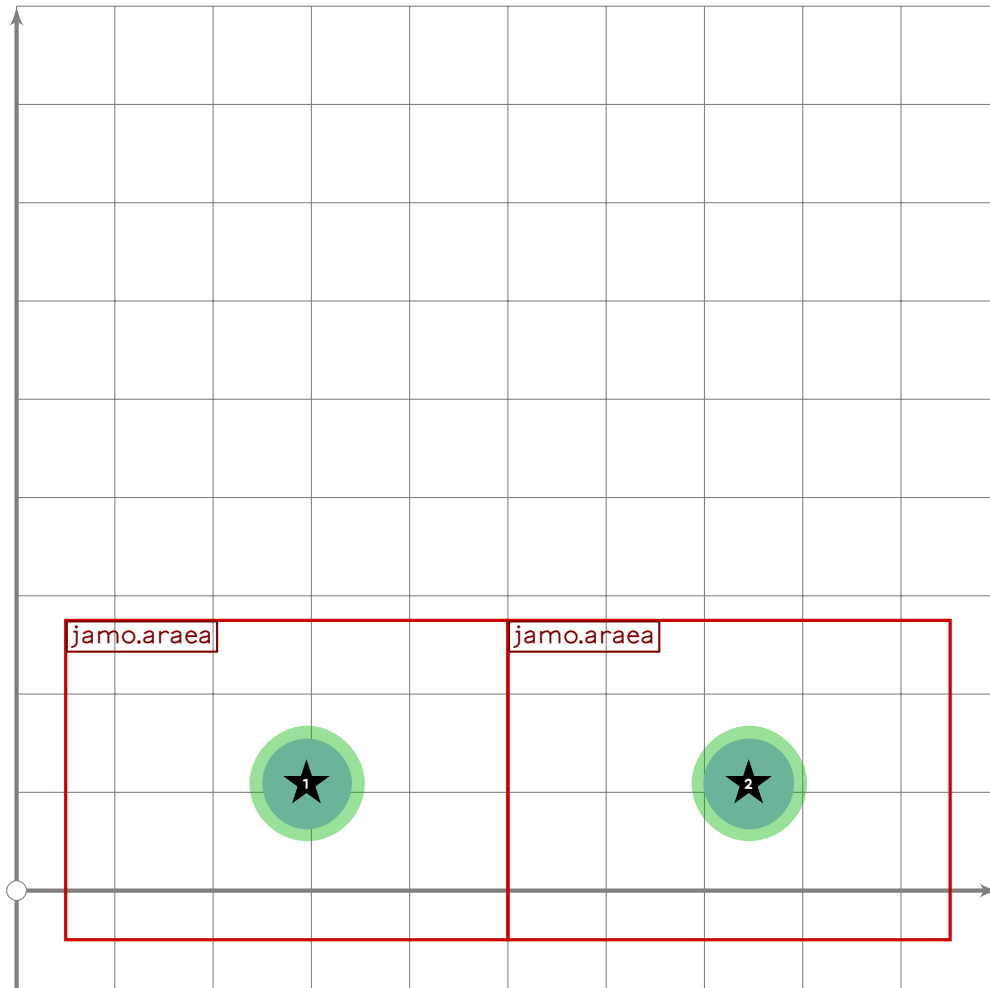
5299

U+FF2A1
mande.uni11A1.nt

FF2



```
446 % hangul vowel araea-i
447 begint Suglyph("uni11A1.nt",161);
448 hangul.combine.lr(428,320)(427,vixf,vox f);
449 tsu_render;
450 endtsuglyph;
451
```

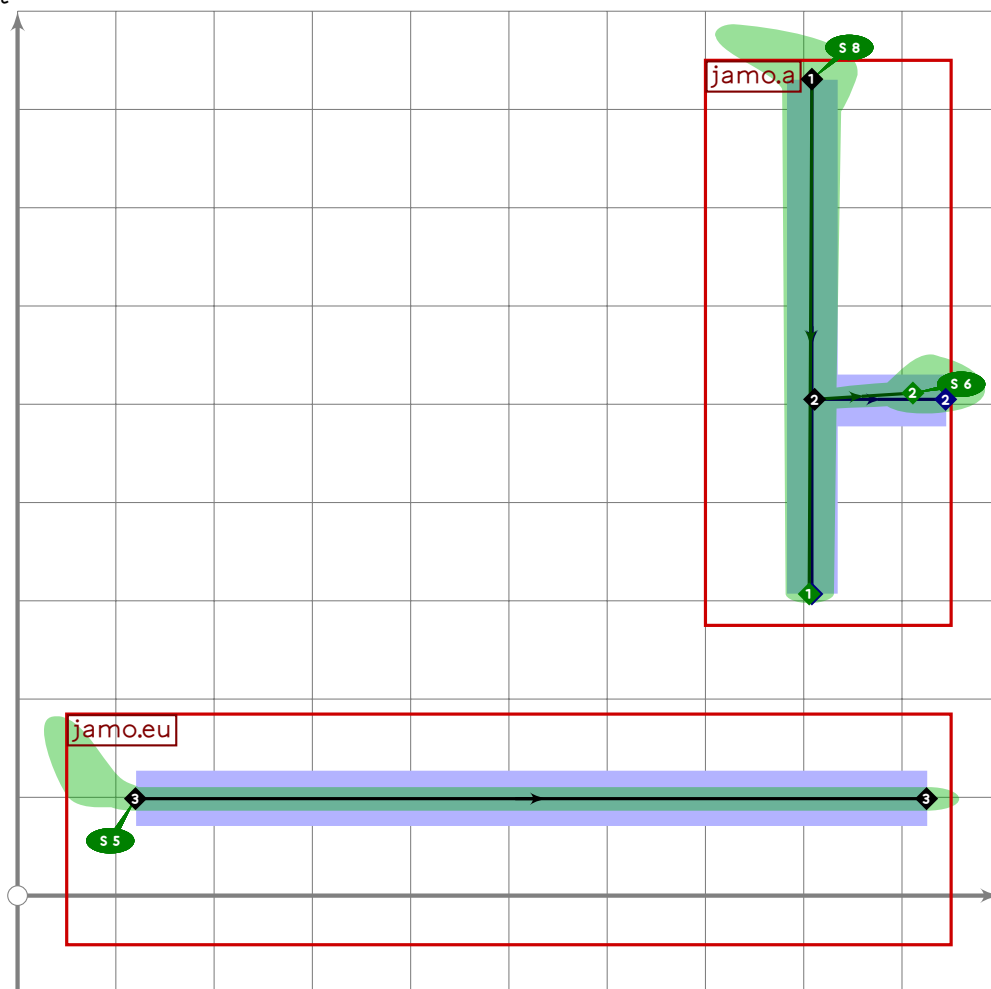
```

452 % hangul vowel ssangaraea
453 begintsuglyph("uni11A2.nt",162);
454   hangul.combine.lr(428,428)(whatever,
455     hxf_inout(5,vixf,vox),vox);
456   tsu_render;
457 endtsuglyph;
458

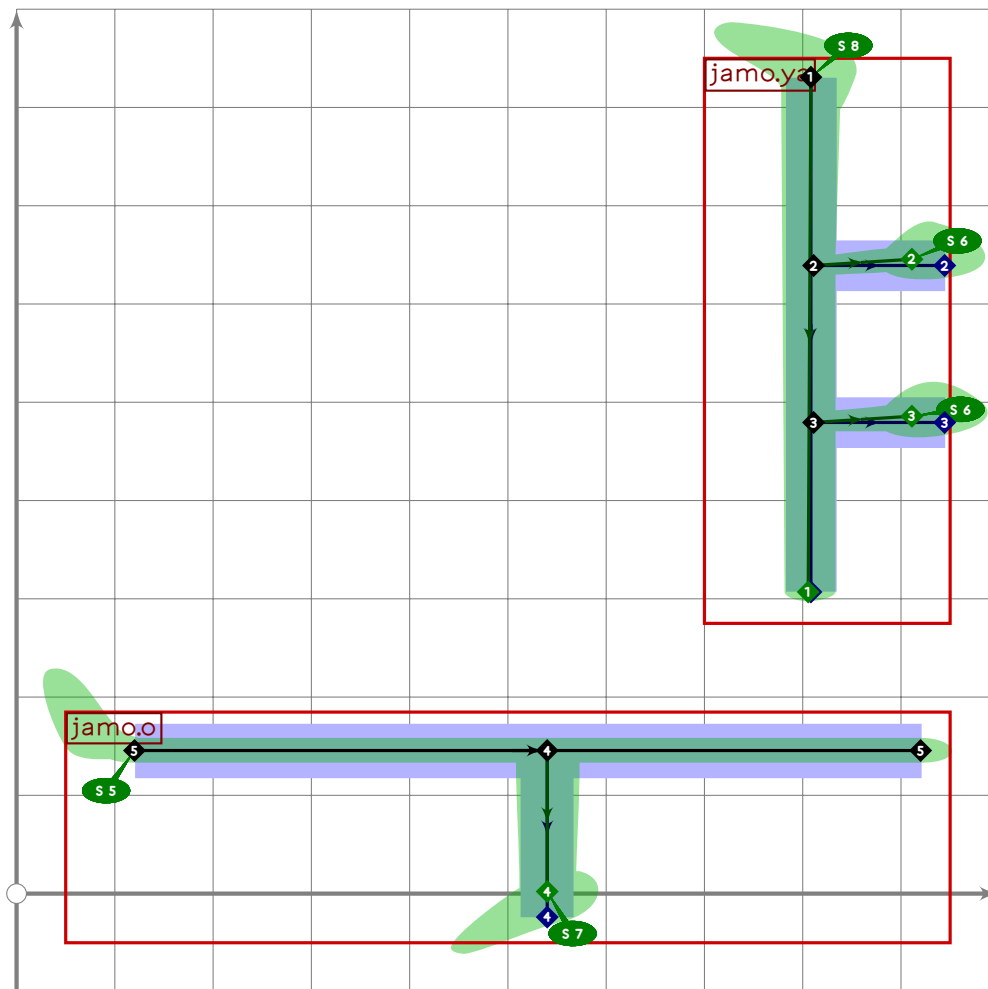
```

U+FF2A3
mande.uni11A3.nt

FF2



```
459 % hangul vowel a-eu
460 beginsuglyph("uni11A3.nt",163);
461   hangul.combine.tb(300,318)(whatever,vixf,vox);
462   tsu_render;
463 endsuglyph;
464
```



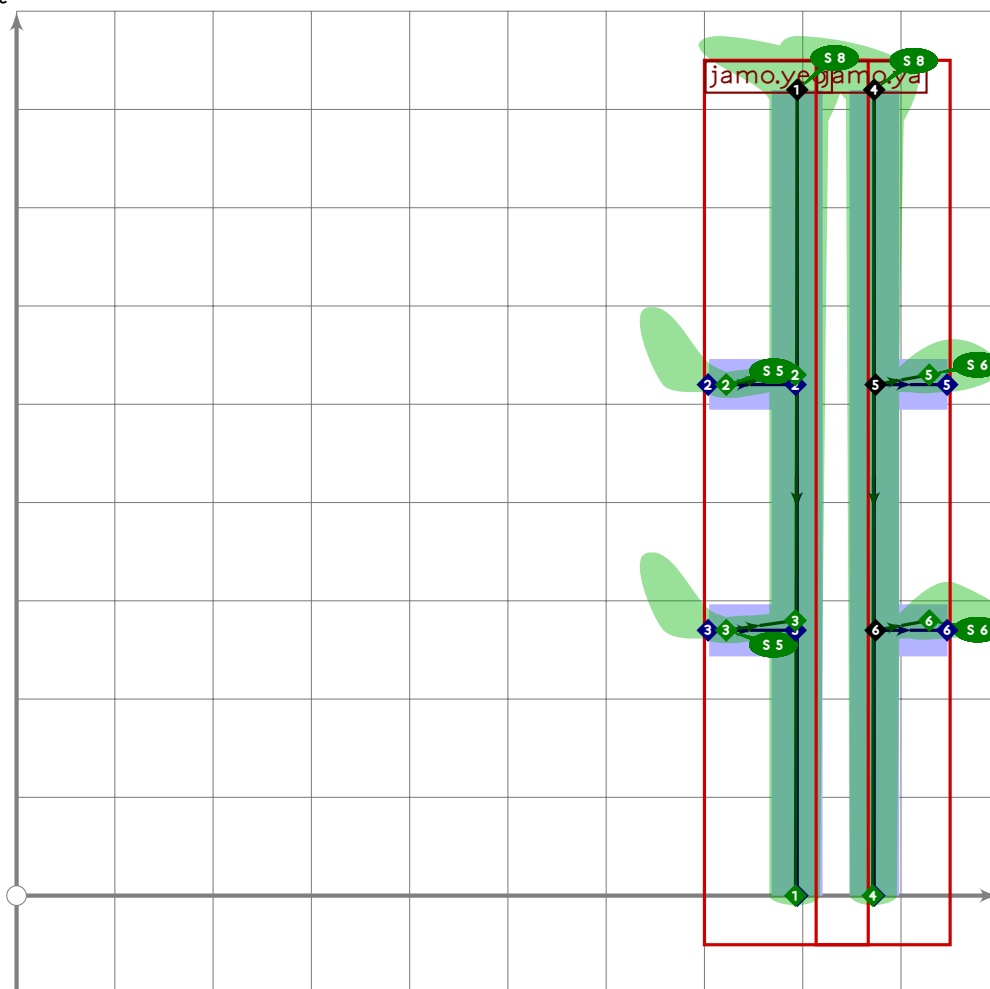
```

465 % hangul vowel ya-u
466 beginsuglyph("uni11A4.nt",164);
467   hangul.combine.tb(302,313)(whatever,vixf,vox);
468   tsu_render;
469 endsuglyph;
470

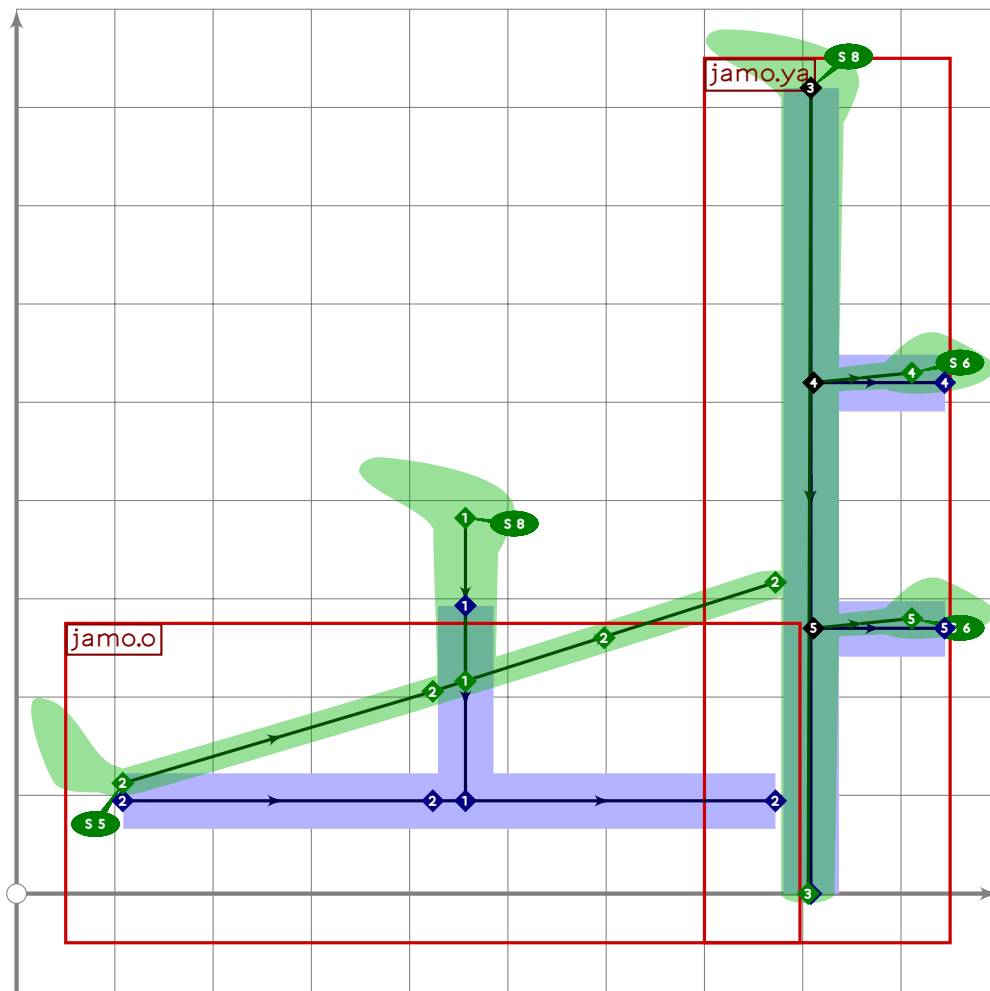
```

U+FF2A5
mande.uni11A5.nt

FF2



```
471 % hangul vowel yeo-ya
472 beginsuglyph("uni11A5.nt",165);
473   hangul.combine.lr(306,302)(whatever,vixf,voxf);
474   tsu_render;
475 endsuglyph;
476
```

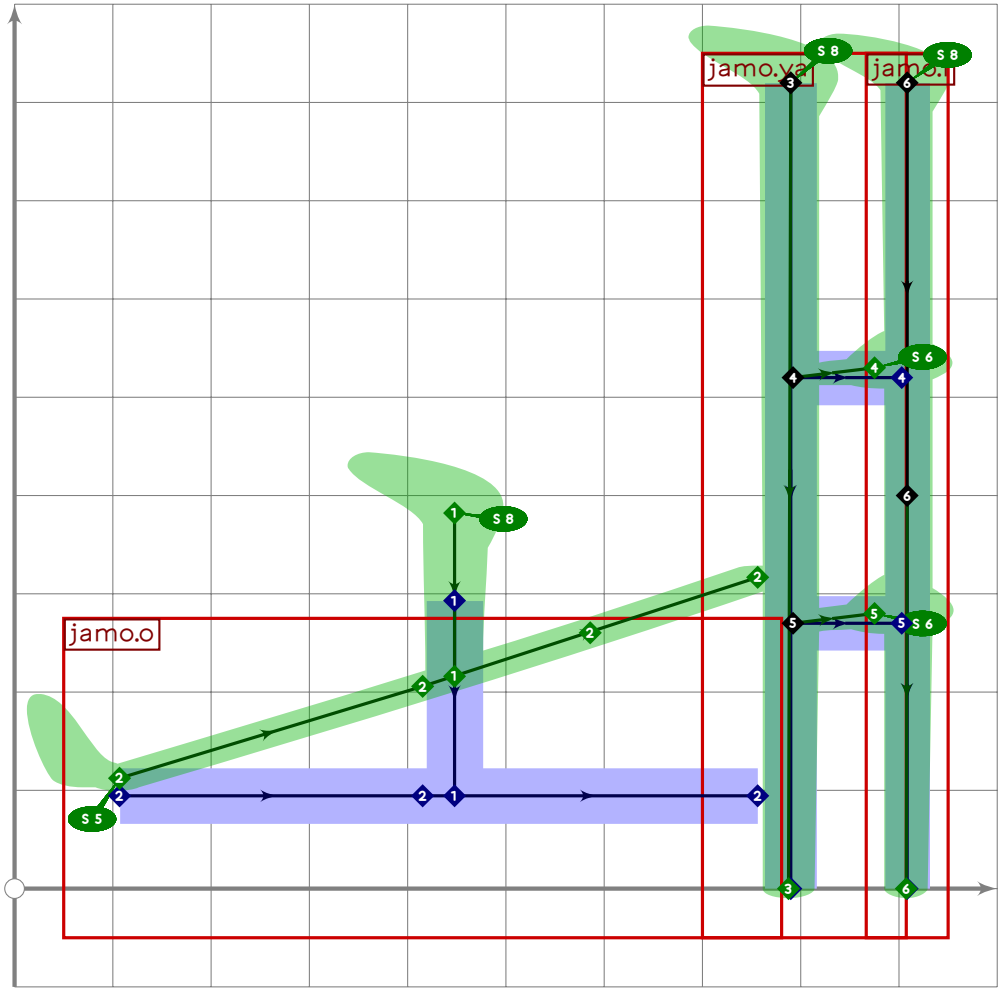


```

477 % hangul vowel o-ya
478 begintsuglyph("uni11A6.nt",166);
479   hangul.combine.lr(308,302)(442,vixf,vox);
480   tsu_render;
481   endtsuglyph;
482

```

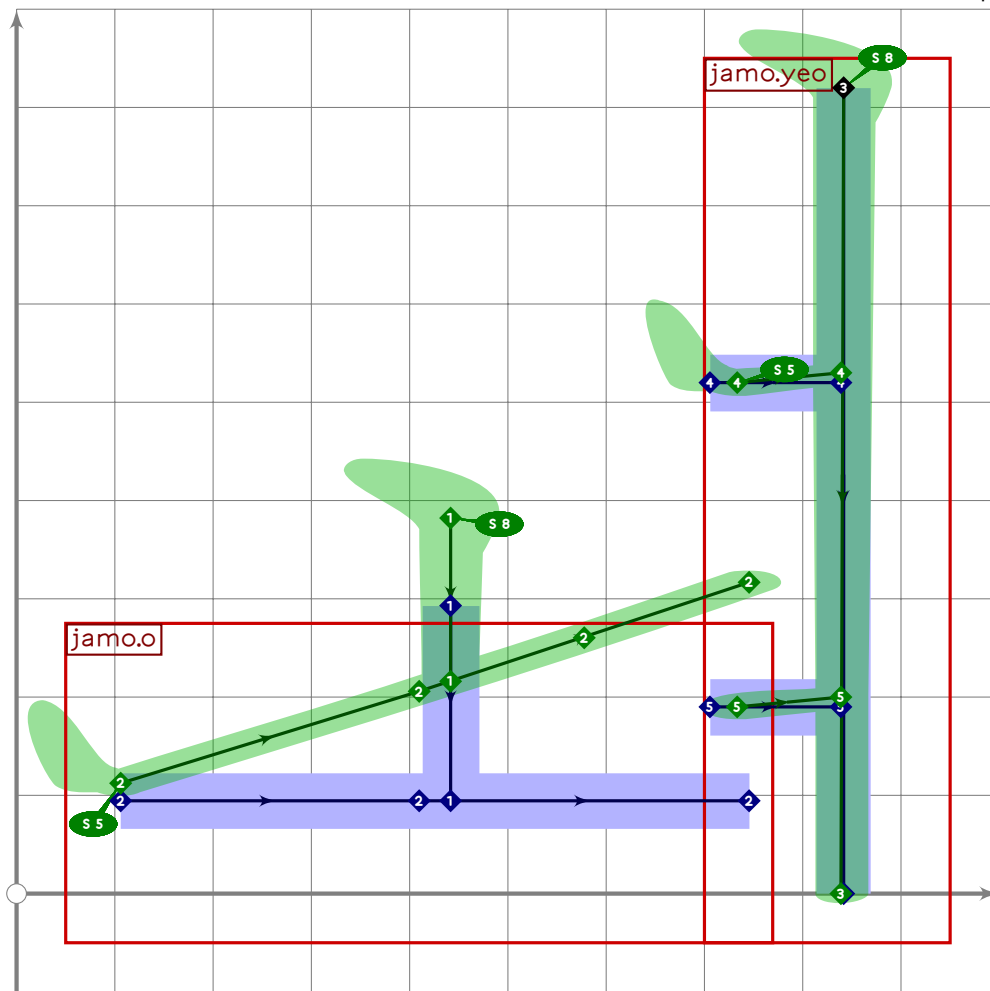
FF2



```
483 % hangul vowel o-yae
484 begintsuglyph("uni11A7.nt",167);
485   hangul.combine.lr(308,303)(443,vixf,voxf);
486   tsu_render;
487 endtsuglyph;
488
489
490
```

Hangul Jungseong (Vowel) Jamo Extension B

```
491 % HANGUL JUNGSEONG (VOWEL) JAMO EXTENSION B
492
```



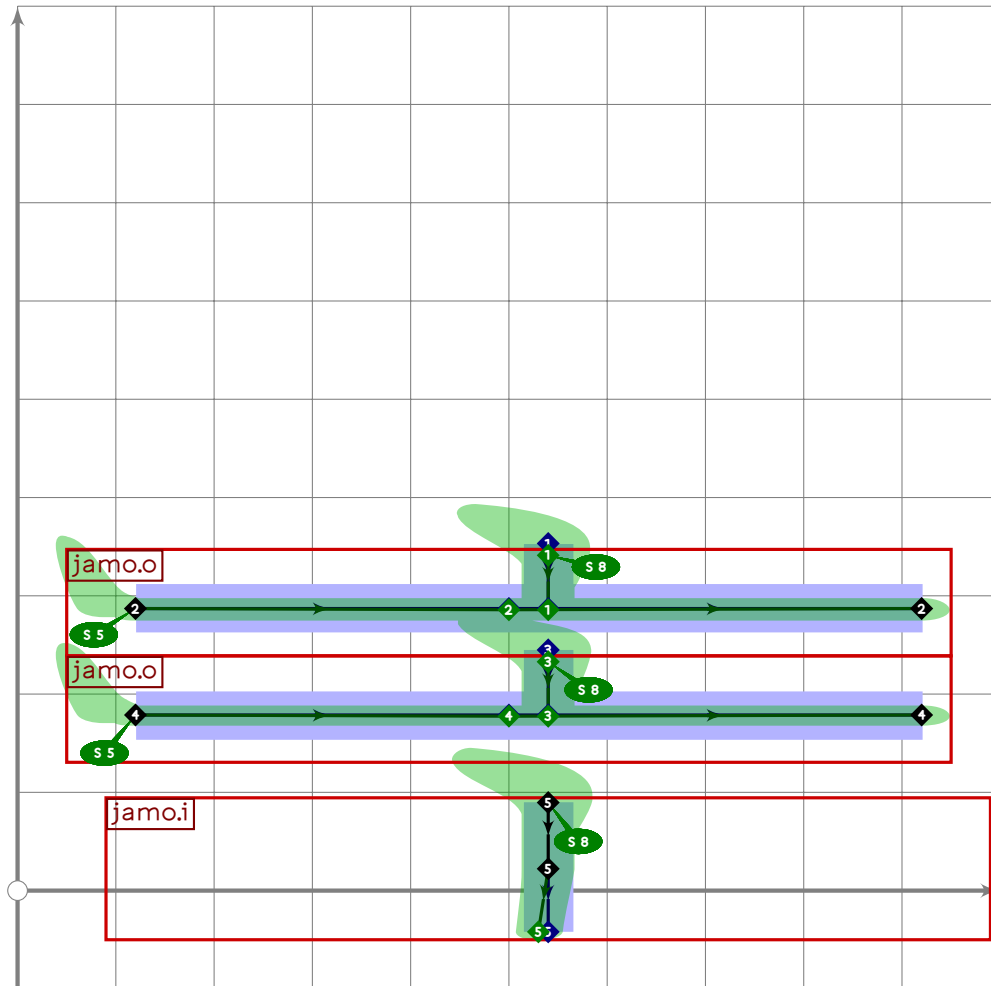
```

493 % hangul vowel o-yeo
494 begint Suglyph("uniD7B0.nt",176);
495   hangul.combine.lr(308,306)(444,vixf,voxf);
496   tsu_render;
497 endtsuglyph;
498

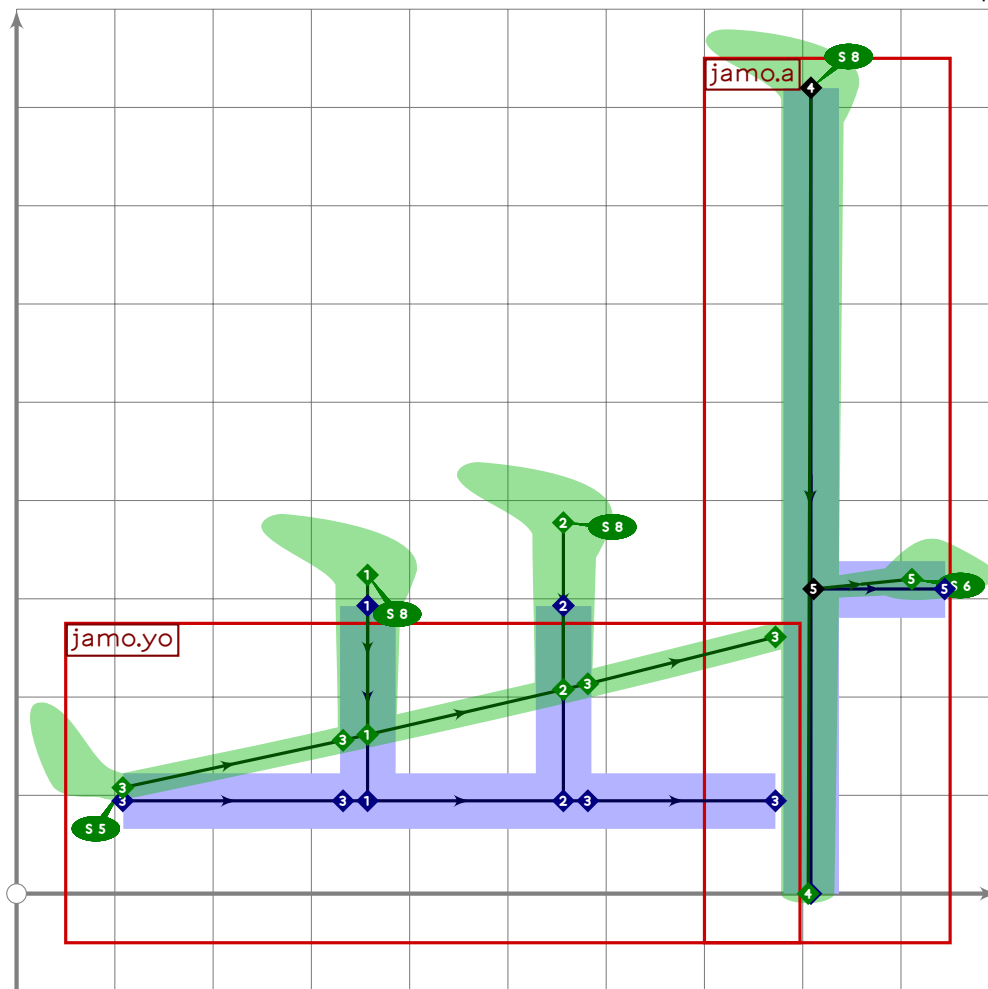
```

U+FF2B1
mande.uniD7B1.nt

FF2



```
499 % hangul vowel o-o-i
500 begintsuglyph("uniD7B1.nt",177);
501   hangul.jamo.ooi(445,vixf,vox);
502   tsu_render;
503 endtsuglyph;
504
```

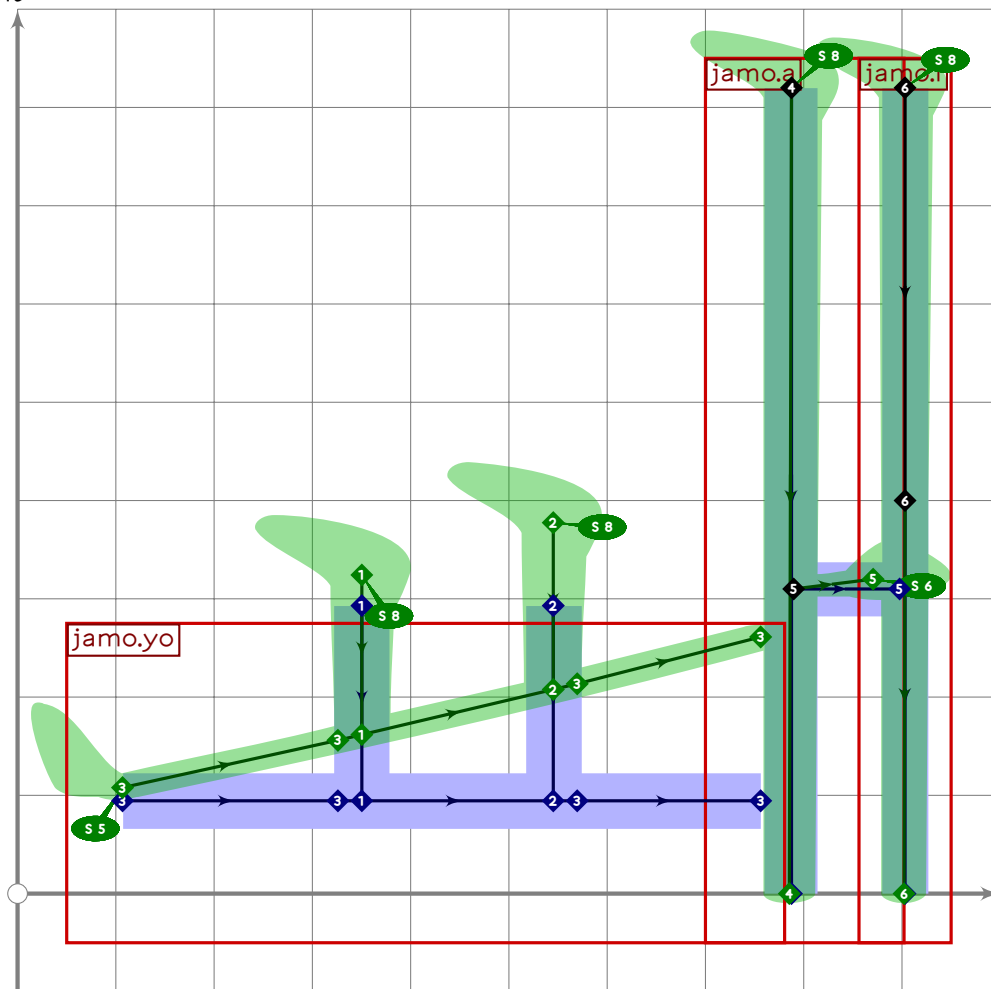
```

505 % hangul vowel yo-a
506 begint Suglyph("uniD7B2.nt",178);
507   hangul.combine.lr(312,300)(446,vixf,voxf);
508   tsu_render;
509 endtsuglyph;
510

```

U+FF2B3
mande.uniD7B3.nt

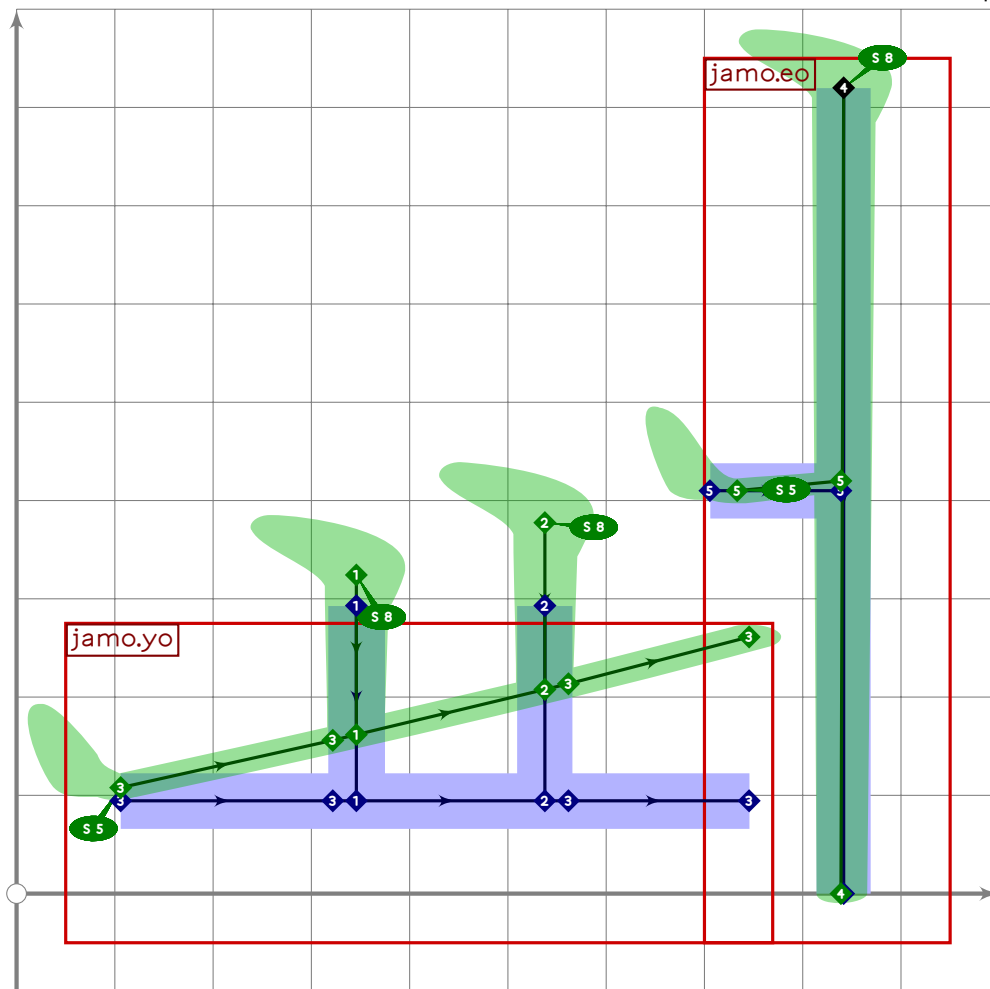
FF2



```

511 % hangul vowel yo-ae
512 beginsuglyph("uniD7B3.nt",179);
513   hangul.combine.lr(312,301)(447,vixf,voxf);
514   tsu_render;
515 endsuglyph;
516

```



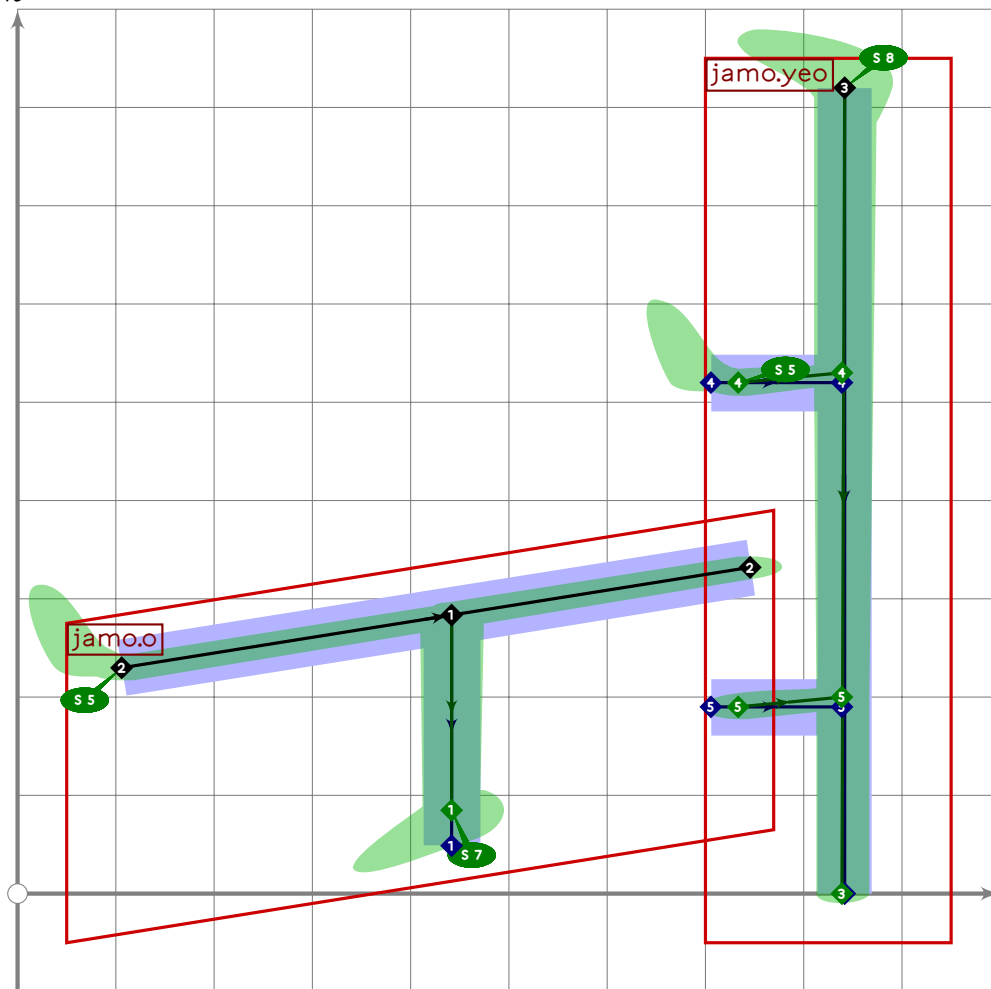
```

517 % hangul vowel yo-eo
518 begint Suglyph("uniD7B4.nt",180);
519   hangul.combine.lr(312,304)(448,vixf,voxf);
520   tsu_render;
521 endtsuglyph;
522

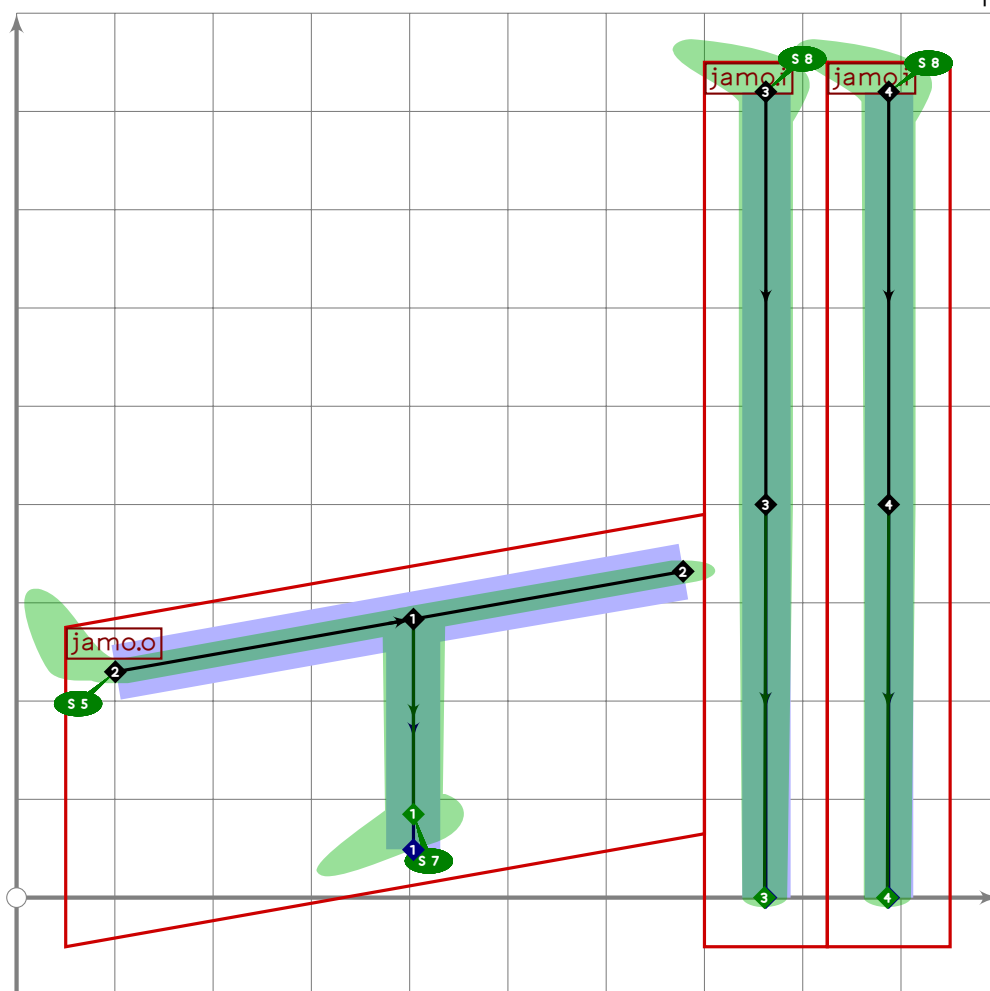
```

U+FF2B5
mande.uniD7B5.nt

FF2



```
523 % hangul vowel u-yeo
524 beginsuglyph("uniD7B5.nt",181);
525   hangul.combine.lr(313,306)(449,vixf,vox);
526   tsu_render;
527 endsuglyph;
528
```



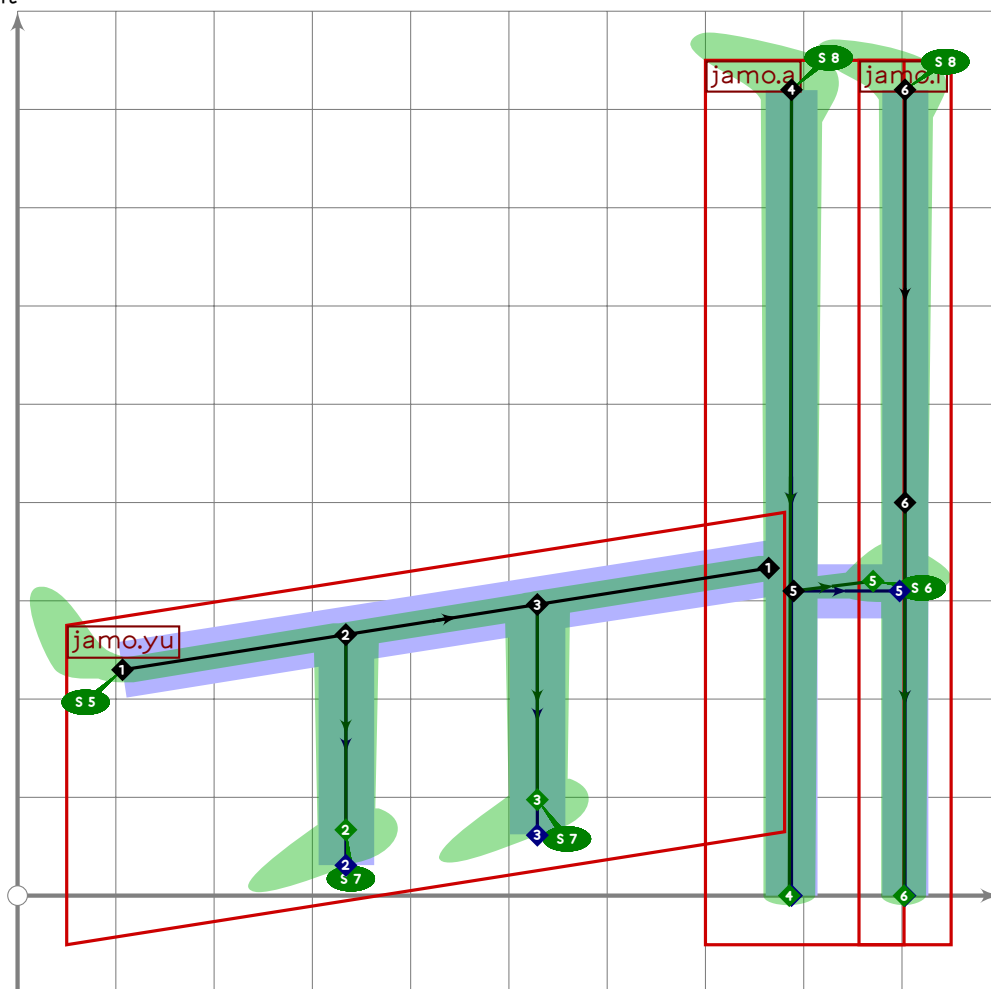
```

529 % hangul vowel u-i-i
530 begint Suglyph("uniD7B6.nt",182);
531   hangul.combine.lr(313,464)(450,vixf,vox);
532   tsu_render;
533 endtsuglyph;
534

```

U+FF2B7
mande.uniD7B7.nt

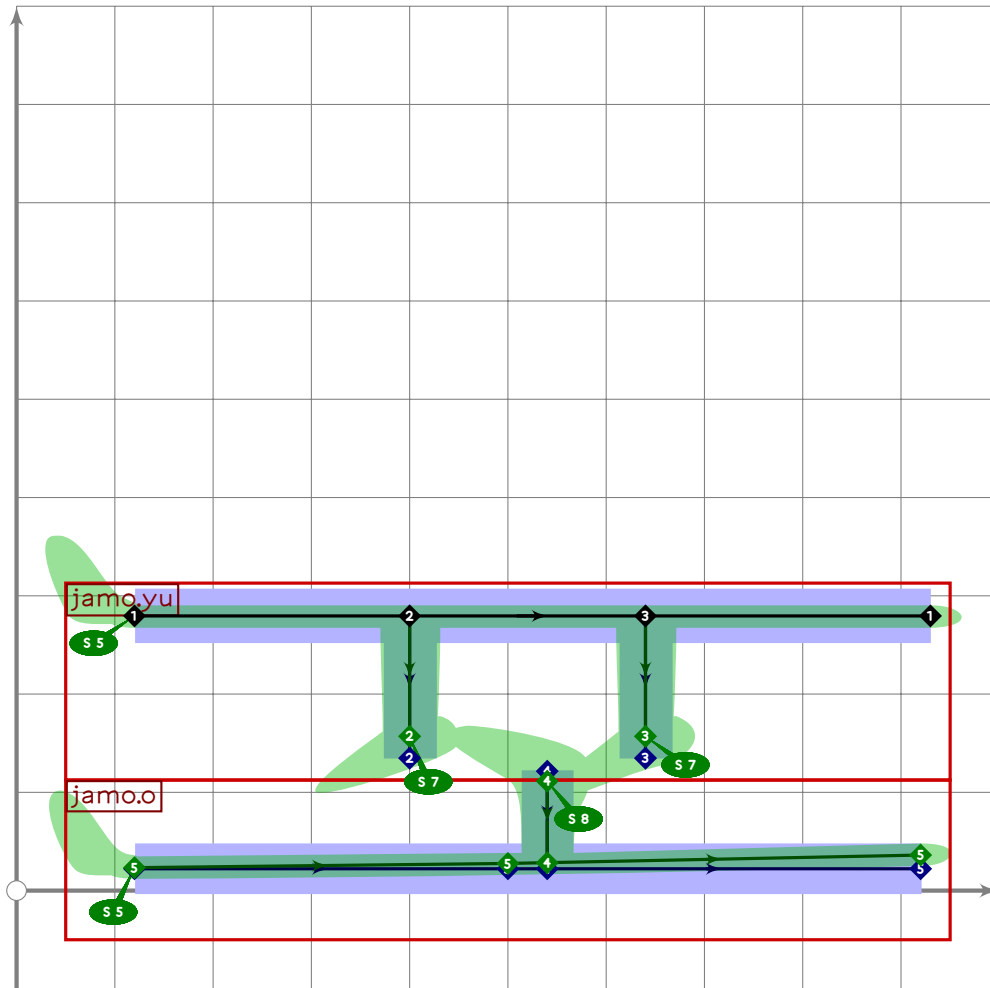
FF2



```

535 % hangul vowel yu-ae
536 beginsuglyph("uniD7B7.nt",183);
537   hangul.combine.lr(317,301)(451,vixf,vox);
538   tsu_render;
539 endsuglyph;
540

```



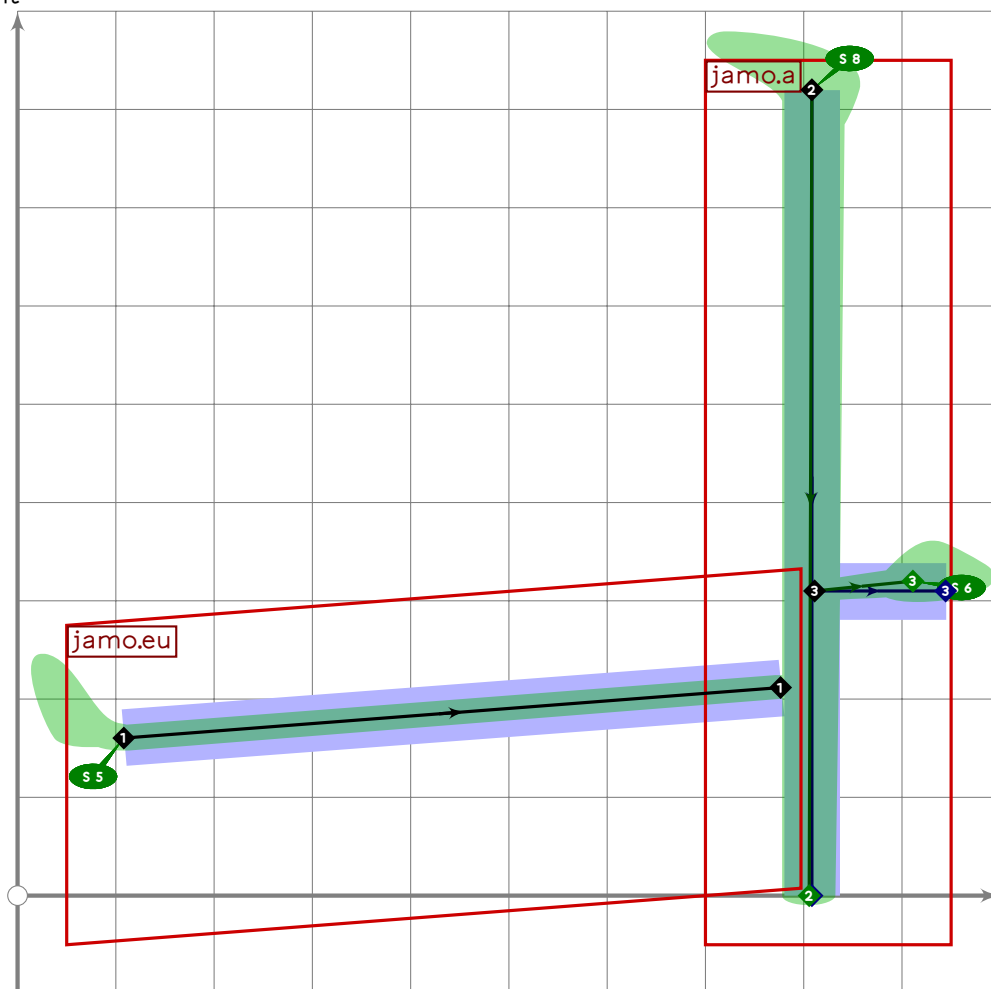
```

541 % hangul vowel yu-o
542 begint Suglyph("uniD7B8.nt",184);
543   hangul.combine.tb(317,308)(whatever,vixf,voxf);
544   tsu_render;
545 endts Suglyph;
546

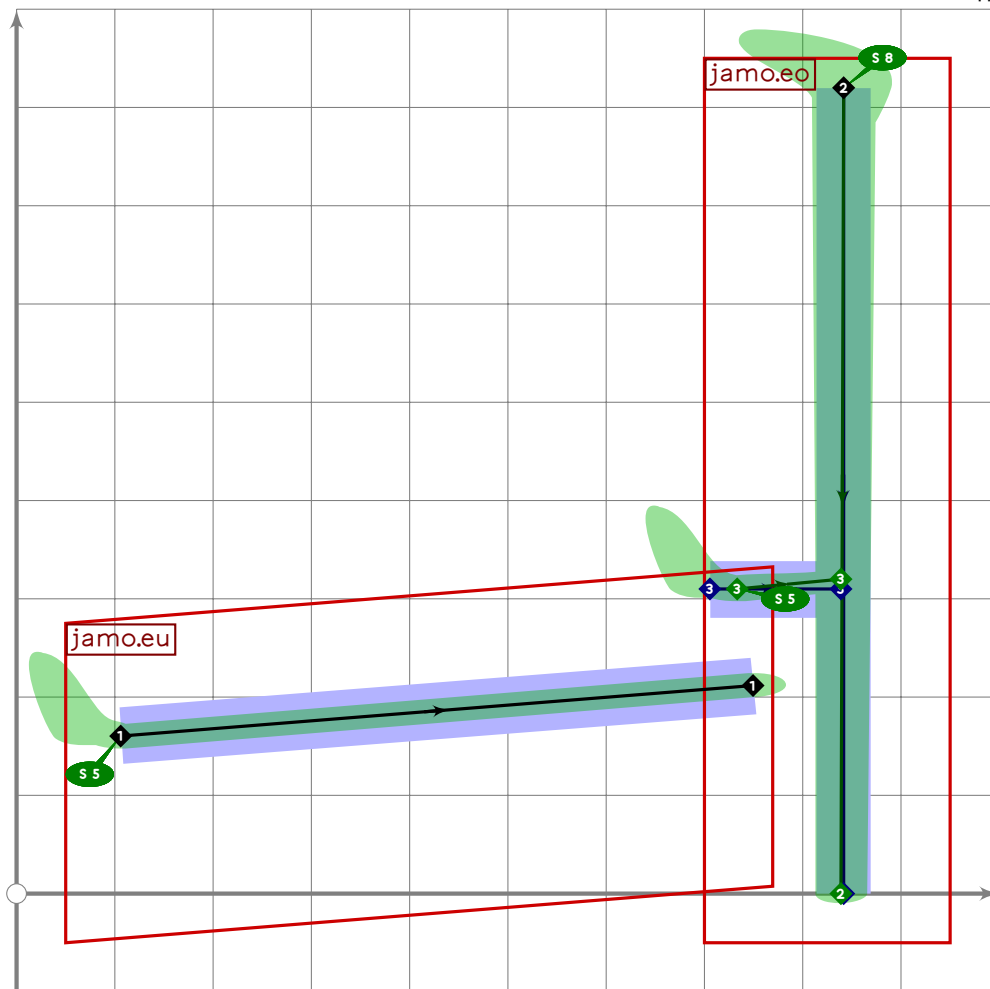
```

U+FF2B9
mande.uniD7B9.nt

FF2



```
547 % hangul vowel eu-a
548 beginsuglyph("uniD7B9.nt",185);
549   hangul.combine.lr(318,300)(453,vixf,vox);
550   tsu_render;
551   endtsuglyph;
552
```

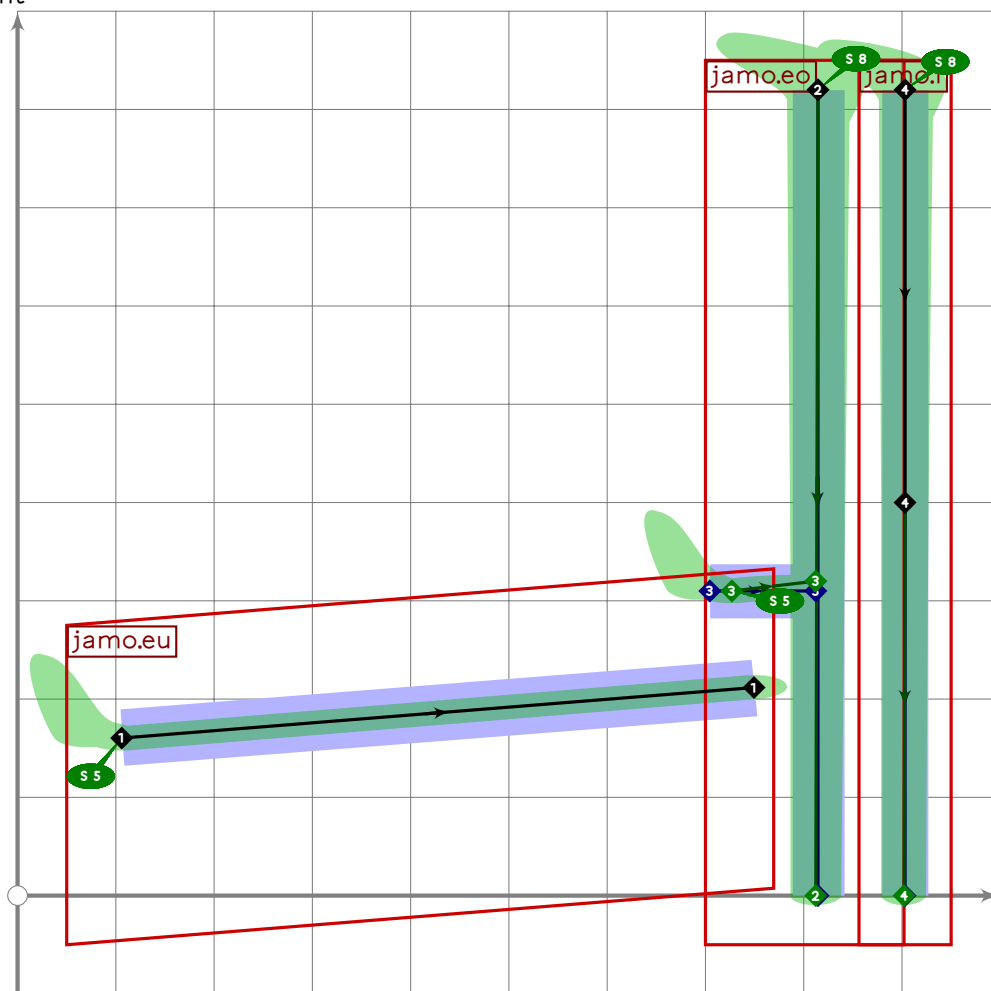
```

553 % hangul vowel eu-eo
554 begint Suglyph("uniD7BA.nt",186);
555   hangul.combine.lr(318,304)(454,vixf,voxf);
556   tsu_render;
557 endtsuglyph;
558

```

U+FF2BB
mande.uniD7BB.nt

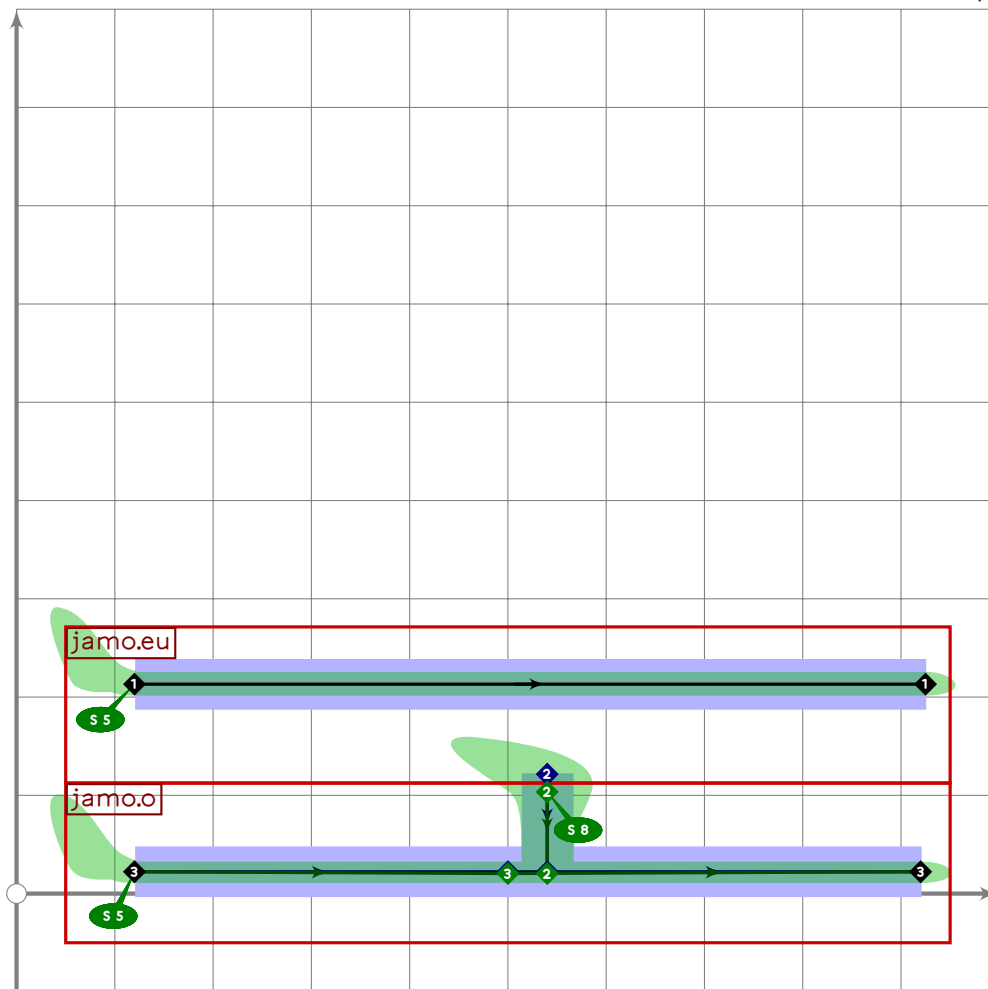
FF2



```

559 % hangul vowel eu-e
560 beginsuglyph("uniD7BB.nt";187);
561   hangul.combine.lr(318,305)(455,vixf,voxf);
562   tsu_render;
563 endtsuglyph;
564

```



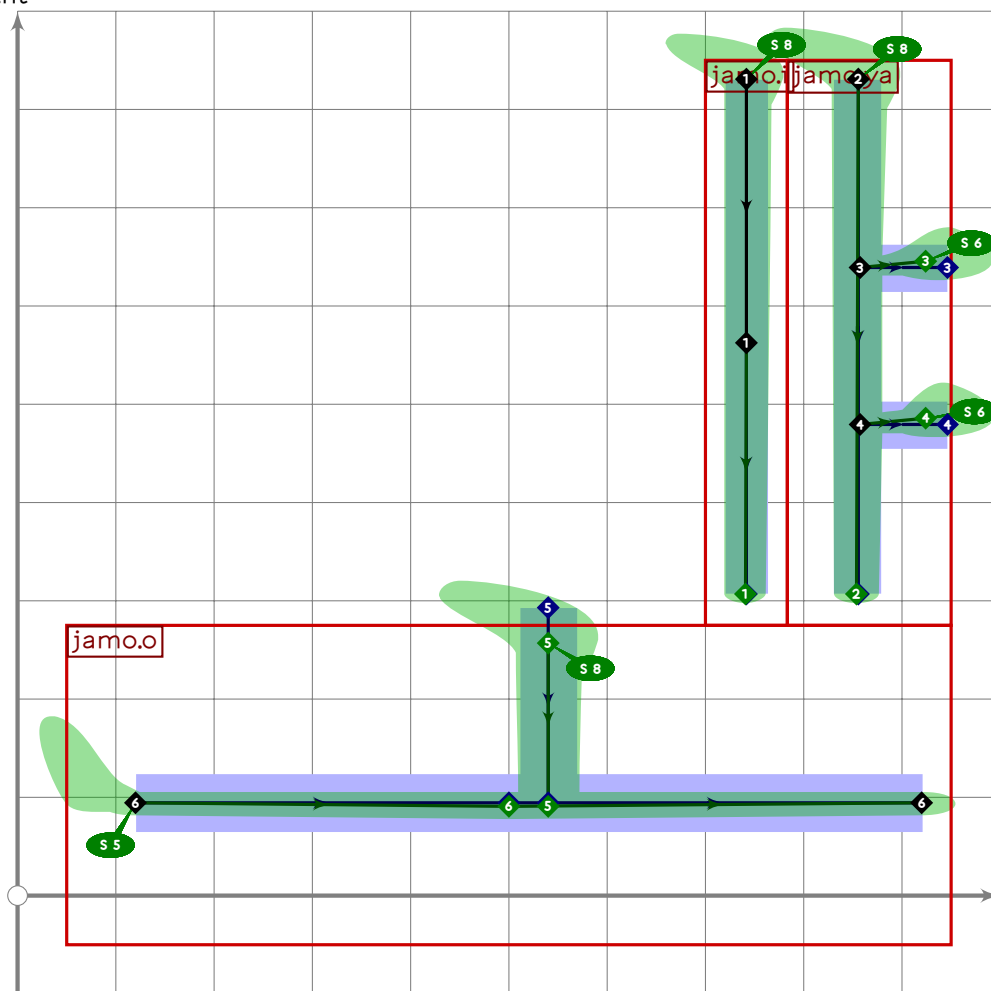
```

565 % hangul vowel eu-o
566 begint Suglyph("uniD7BC.nt",188);
567   hangul.combine.tb(318,308)(whatever,vixf,vox);
568   tsu_render;
569 endtsuglyph;
570

```

U+FF2BD
mande.uniD7BD.nt

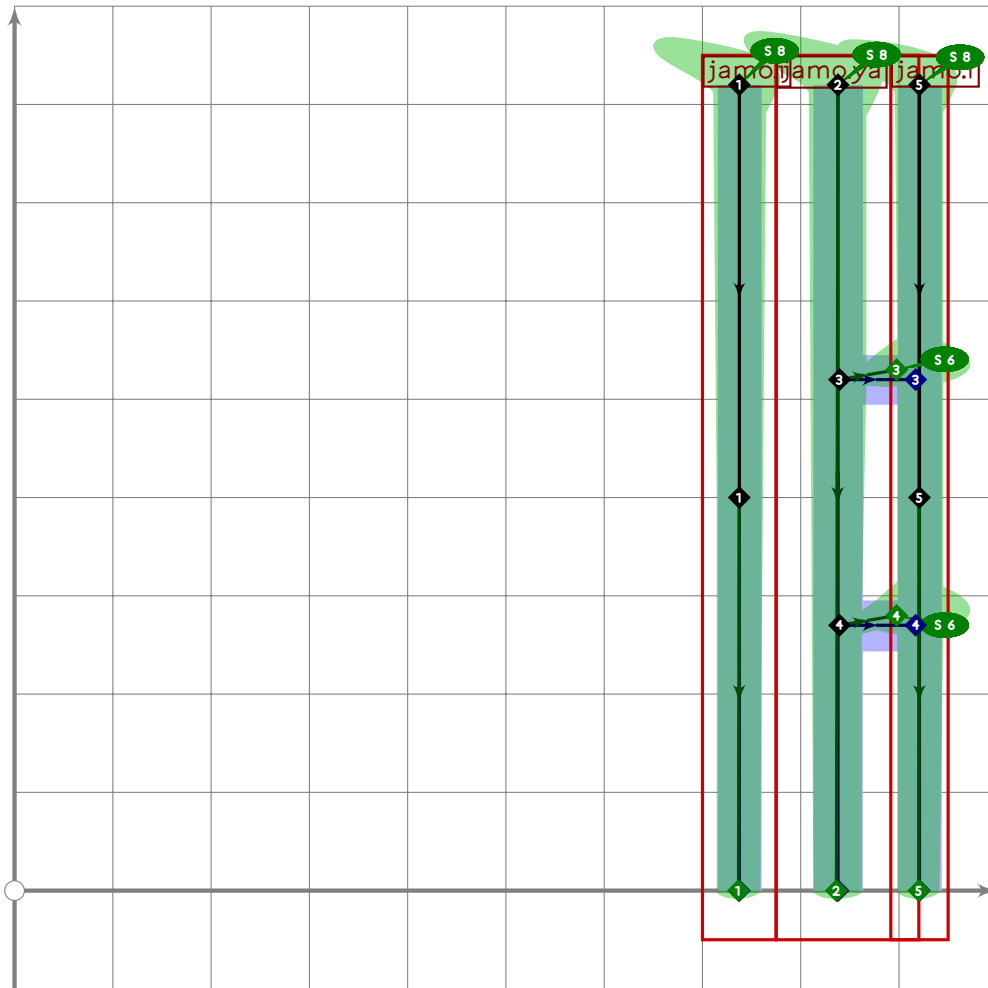
FF2



```

571 % hangul vowel i-ya-o
572 beginsuglyph("uniD7BD.nt",189);
573   hangul.combine.tb(467,308)(457,vixf,voxf);
574   tsu_render;
575 endtsuglyph;
576

```



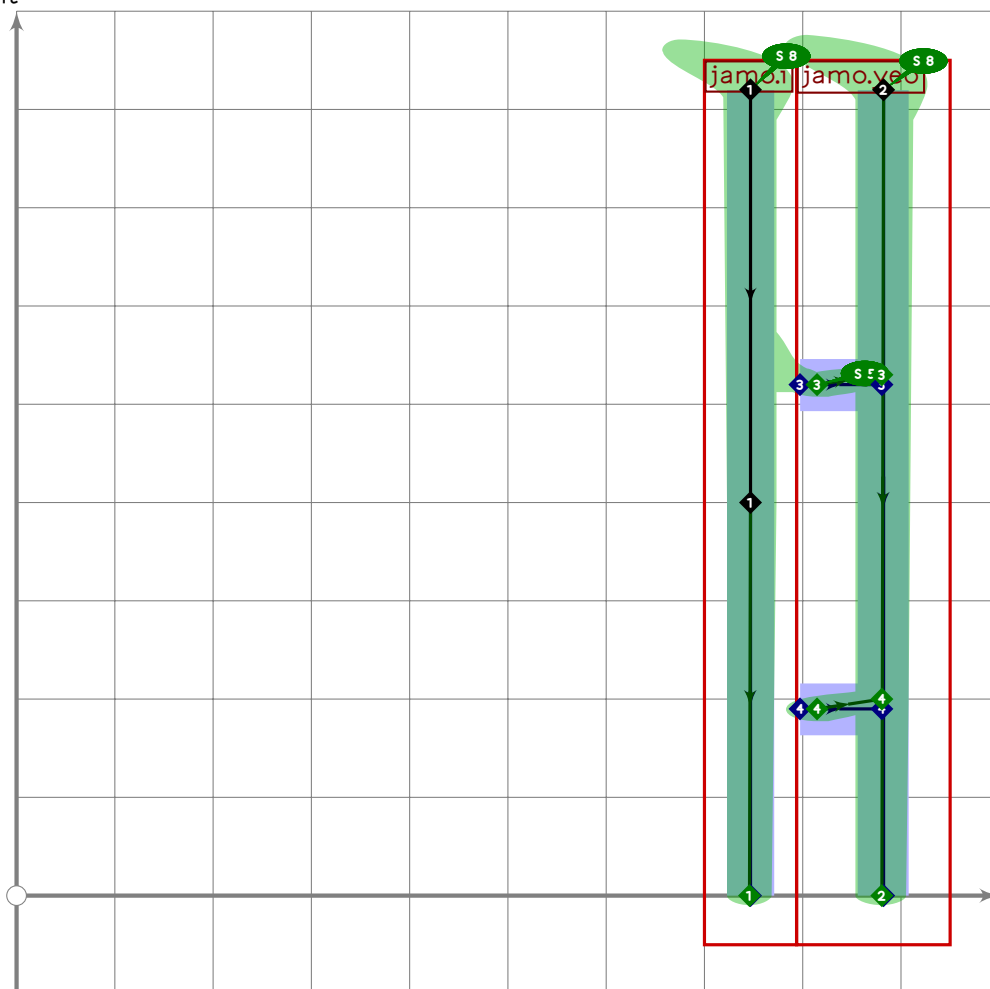
```

577 % hangul vowel i-yae
578 begint Suglyph("uniD7BE.nt",190);
579   hangul.combine.lr(320,303)(458,vixf,voxf);
580   tsu_render;
581   endtsuglyph;
582

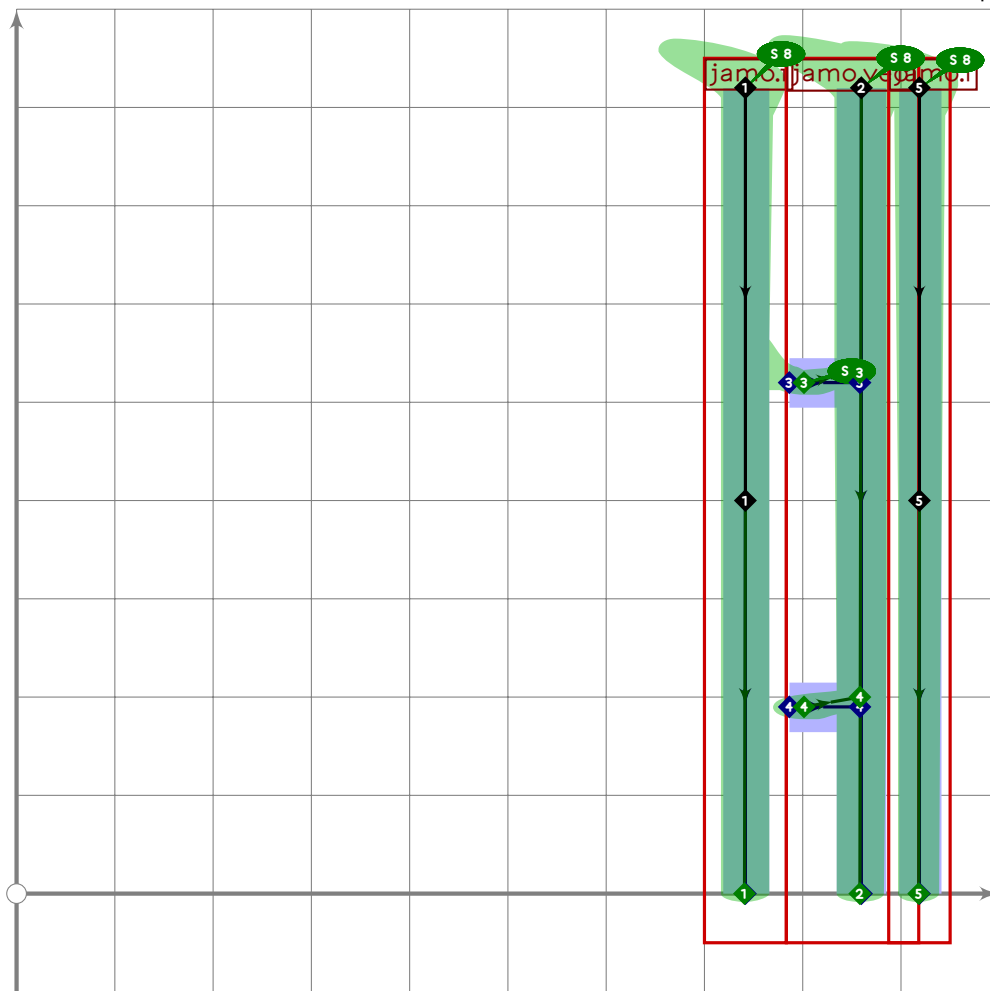
```

U+FF2BF
mande.uniD7BF.nt

FF2



```
583 % hangul vowel i-yeo
584 beginsuglyph("uniD7BF.nt";191);
585   hangul.combine.lr(320,306)(459,vixf,voxf);
586   tsu_render;
587 endsuglyph;
588
```



FF2

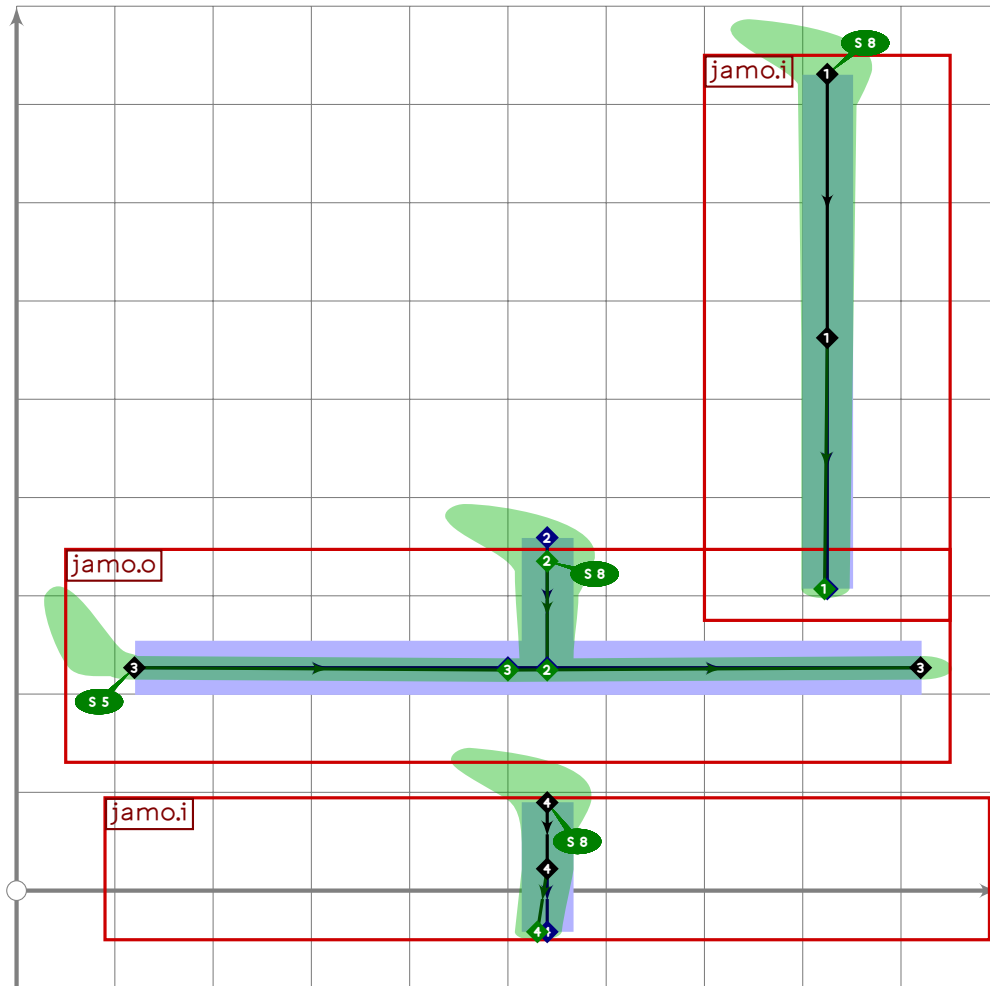
```

589 % hangul vowel i-ye
590 begint Suglyph("uniD7C0.nt",192);
591   hangul.combine.lr(320,307)(460,vixf,vox);
592   tsu_render;
593 endtsuglyph;
594

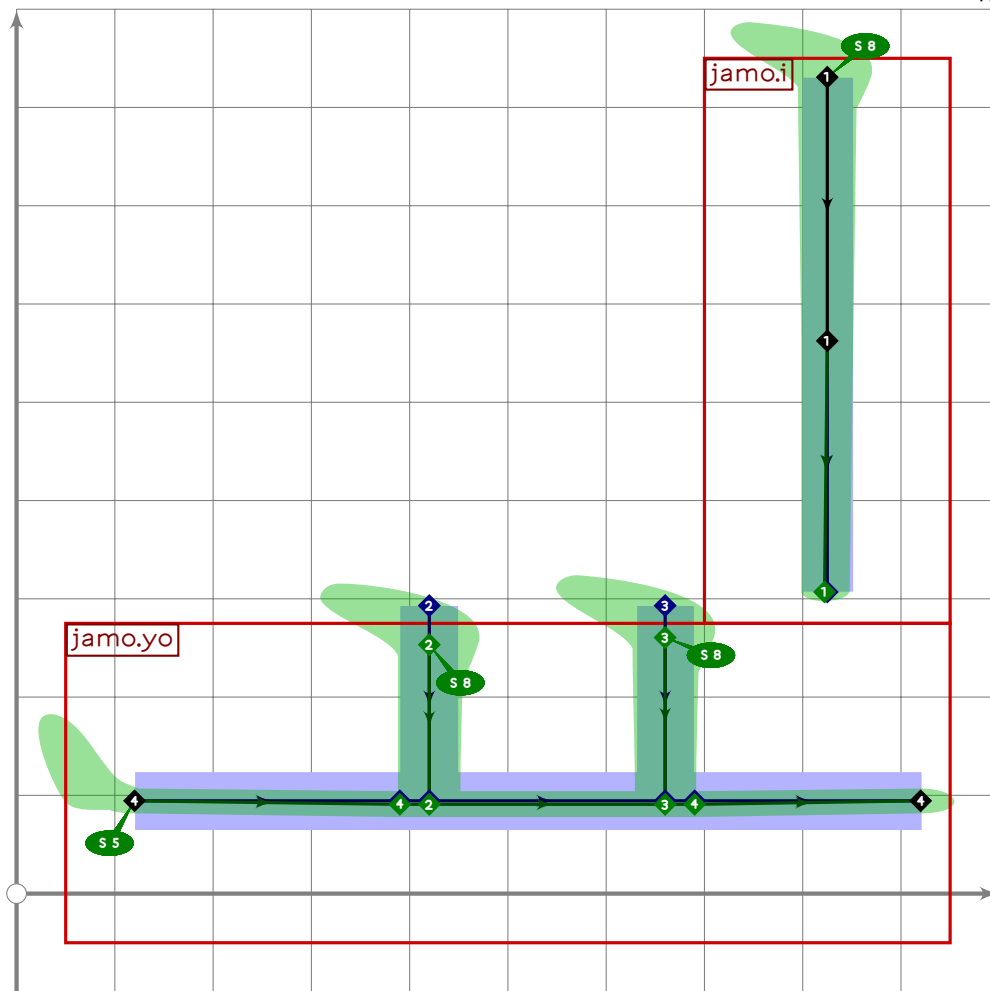
```

U+FF2C1
mande.uniD7C1.nt

FF2



```
595 % hangul vowel i-o-i
596 beginsuglyph("uniD7C1.nt",193);
597   hangul.combine.tb(320,468)(461,vixf,vox);
598   tsu_render;
599 endtsuglyph;
600
```

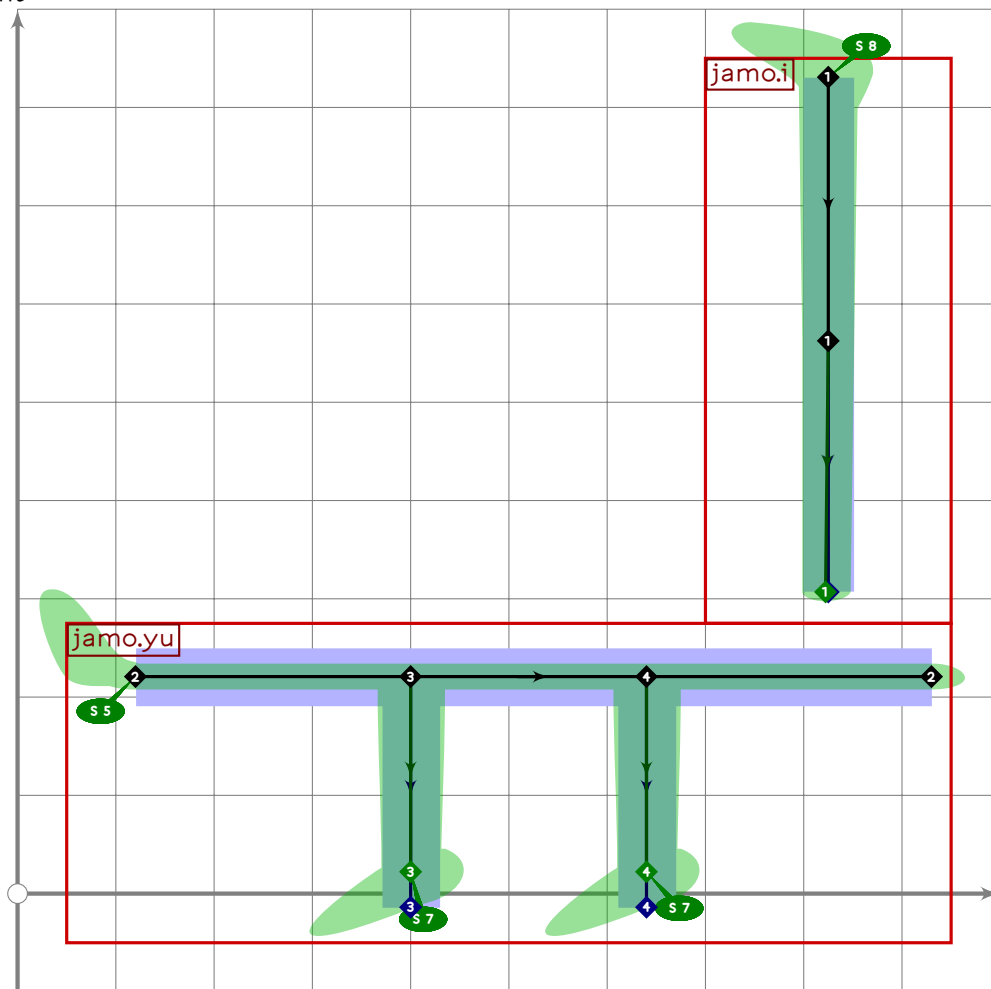
```

601 % hangul vowel i-yo
602 beginsuglyph("uniD7C2.nt",194);
603   hangul.combine.tb(320,312)(462,vixf,vox);
604   tsu_render;
605 endtsuglyph;
606

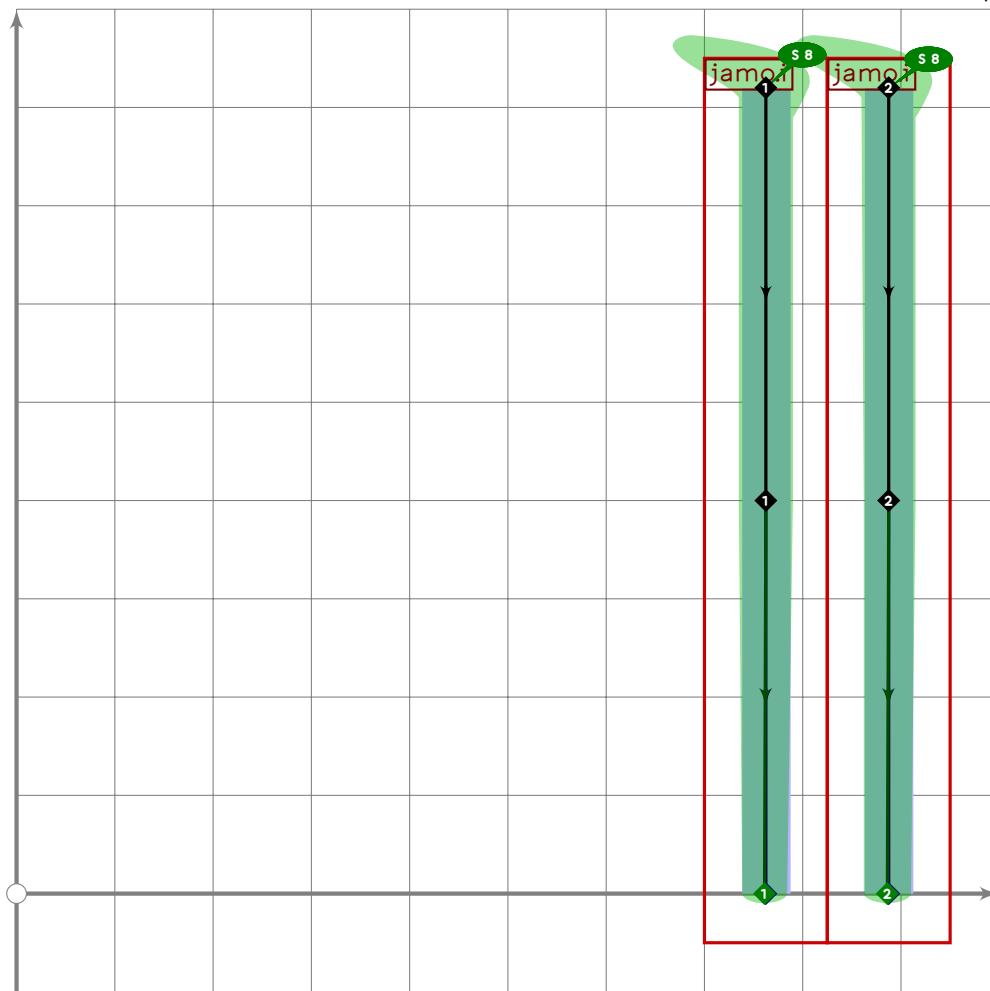
```

U+FF2C3
mande.uniD7C3.nt

FF2



```
607 % hangul vowel i-yu
608 beginsuglyph("uniD7C3.nt";195);
609 hangul.combine.tb(320,317)(463,vixf,vox);
610 tsu_render;
611 endsuglyph;
612
```



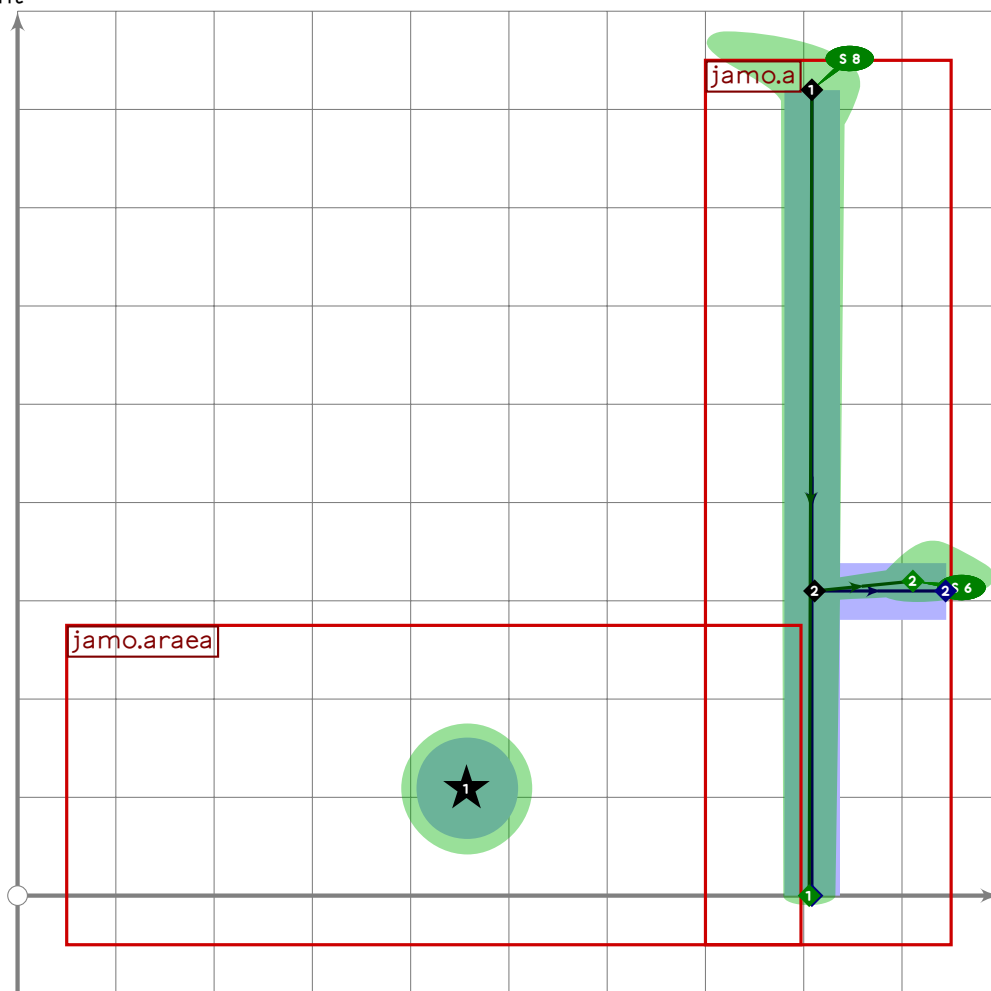
FF2

```

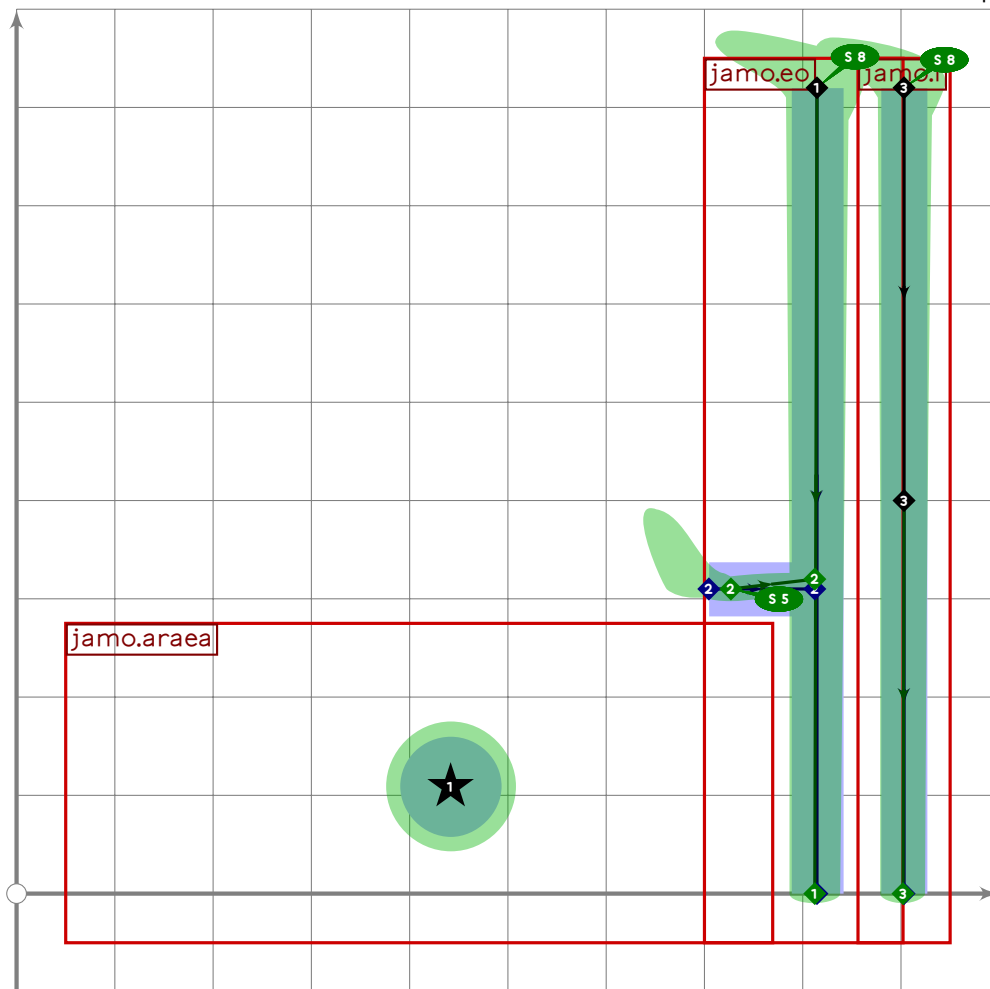
613 % hangul vowel i-i
614 begint Suglyph("uniD7C4.nt",196);
615   hangul.combine.lr(320,320)(464,vixf,vox f);
616   tsu_render;
617 endtsuglyph;
618

```

FF2



5328



```

625 % hangul vowel araea-e
626 begint Suglyph("uniD7C6.nt",198);
627   hangul.combine.lr(428,305)(466,vixf,voxf);
628   tsu_render;
629 endtsuglyph;
630
631
632
633 endfont;
634
635

```

mande-ff3.mp

FF3

```
1 %
2 % Unicode page FF3 (alternate lead jamo) for Mandeubsida
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input hangul.mp;
37 input jamo-basic.mp;
38 input jamo-extra.mp;
39
40 do_late_includes;
41
42 

---

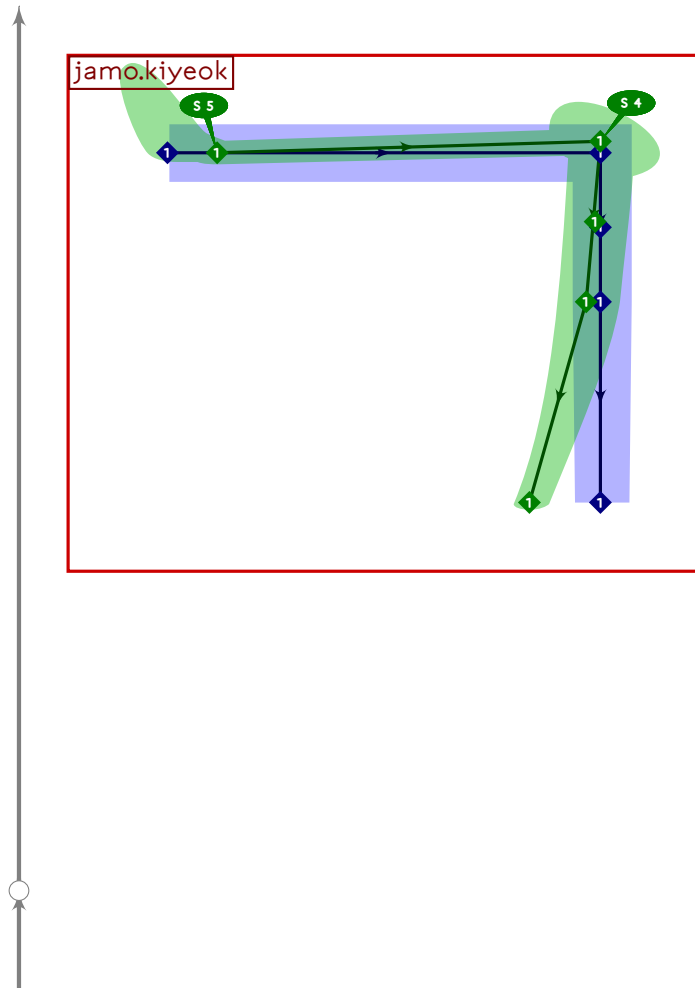

43
44 % This file contains leads for layouts 1 and 3: vertical vowel and nonempty
45 % tail, or vertical and horizontal vowel with empty tail.
46
47 transform lixf,loxf;
48
49 lixf=loxf=hxf((50,850),(700,325));
50
51 

---


52
```

Hangul Choseong (Lead) Jamo

```
53 % HANGUL CHOSEONG (LEAD) JAMO
54
55 tsu_rescale_native_zero;
56
```

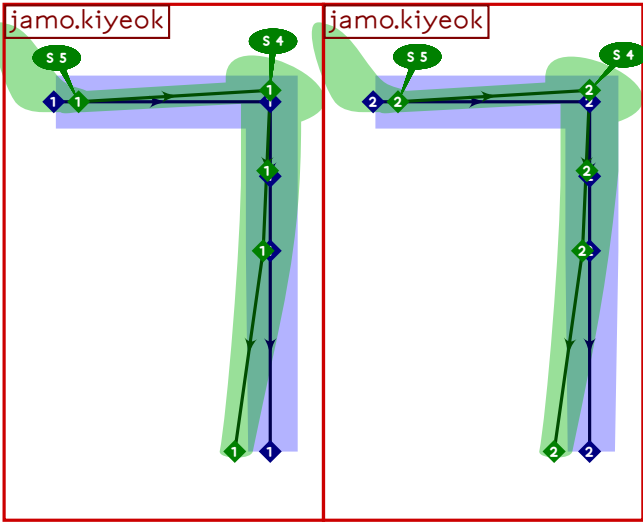


FF3

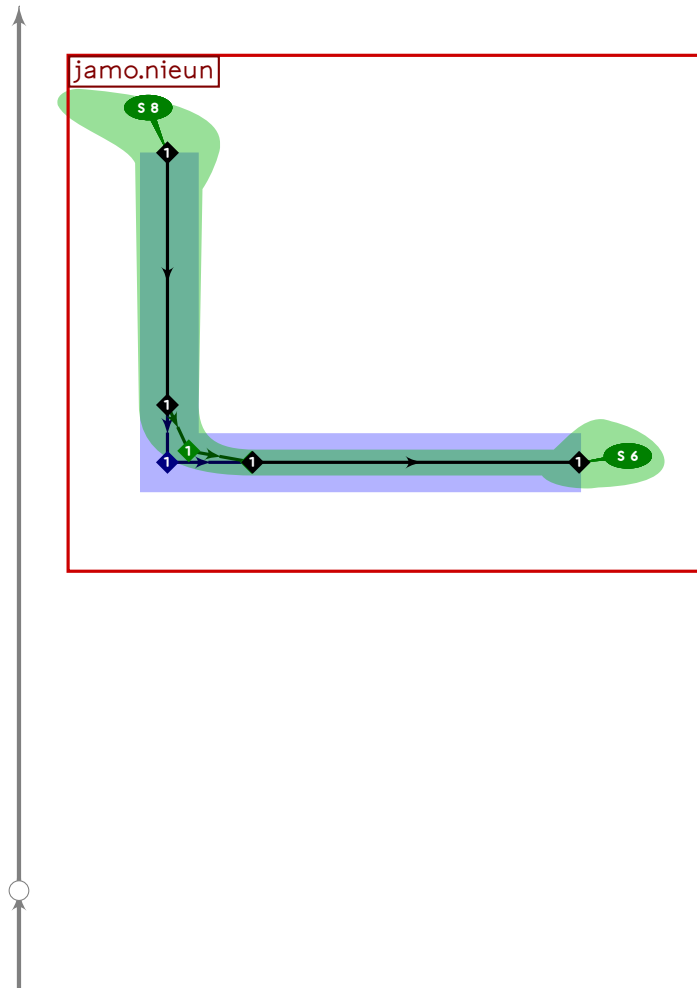
```
57 % hangul lead kiyeok
58 begint Suglyph("uni1100.lj1";0);
59   hangul.jamo.kiyeok(whatever,lixf,loxf);
60   tsu_render;
61 endtsuglyph;
62
```

U+FF301
mande.uni1101.lj1

FF3



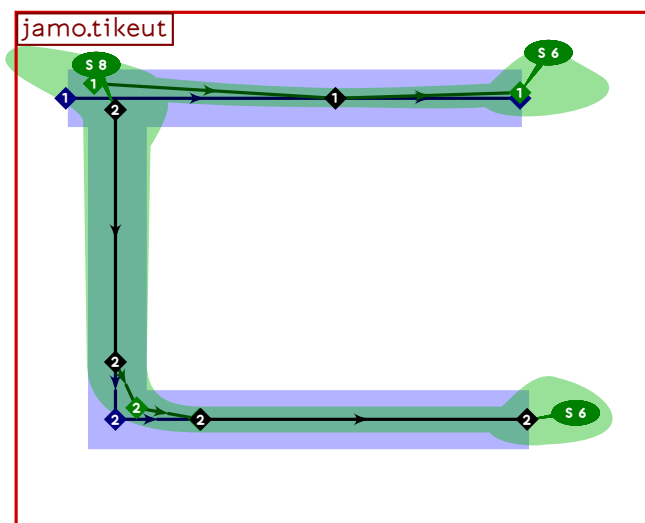
```
63 % hangul lead ssangkiyeok
64 begintsuglyph("uni1101.lj1");
65   hangul.combine.lr(100,100)(whatever,lixf,loxf);
66   tsu_render;
67 endtsuglyph;
68
```

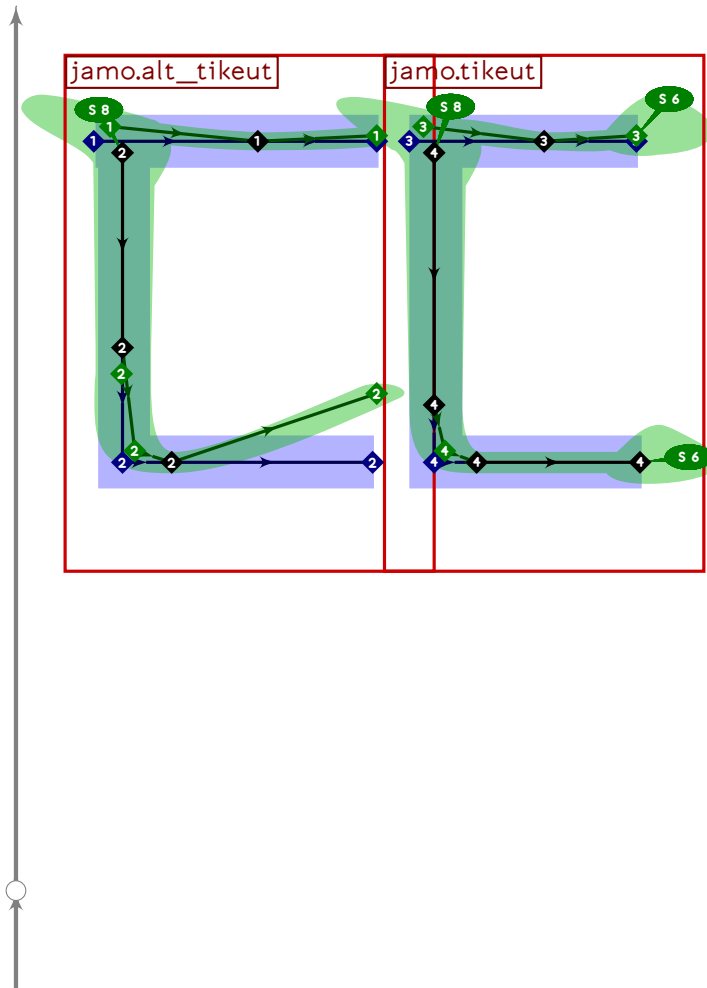
```
69 % hangul lead nieun
70 beginsuglyph("uni1102.lj1";2);
71 hangul.jamo.nieun(whatever,lixf,loxf);
72 tsu_render;
73 endsuglyph;
74
```

U+FF303
mande.uni1103.lj1

FF3



```
75 % hangul lead tikeut
76 beginsuglyph("uni1103.lj1";3);
77   hangul.jamo.tikeut(whatever,lixf,loxf);
78   tsu_render;
79 endsuglyph;
80
```



FF3

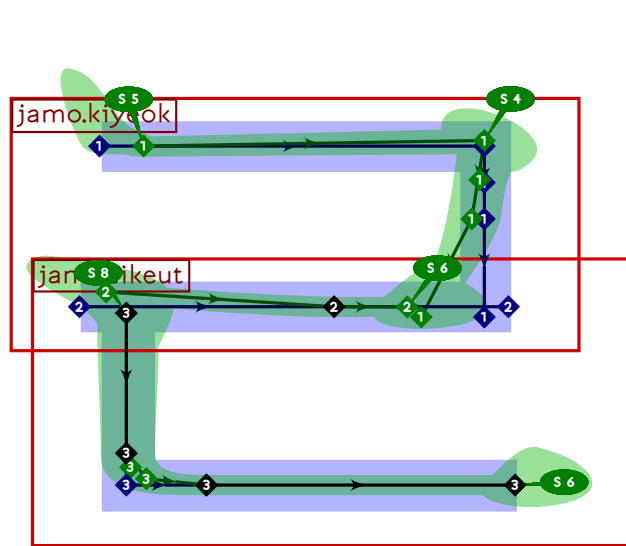
```

81 % hangul lead ssangtikeut
82 begintsuglyph("uni1104.lj1";4);
83   hangul.combine.lr(203,103)(whatever,lixf,loxf);
84   tsu_render;
85 endtsuglyph;
86

```

U+FF305
mande.uni1105.lj1

FF3



```
87 % hangul lead rieul
88 beginsuglyph("uni1105.lj1",5);
89 hangul.jamo.rieul(whatever,lixf,loxf);
90 tsu_render;
91 endtsuglyph;
92
```

FF3



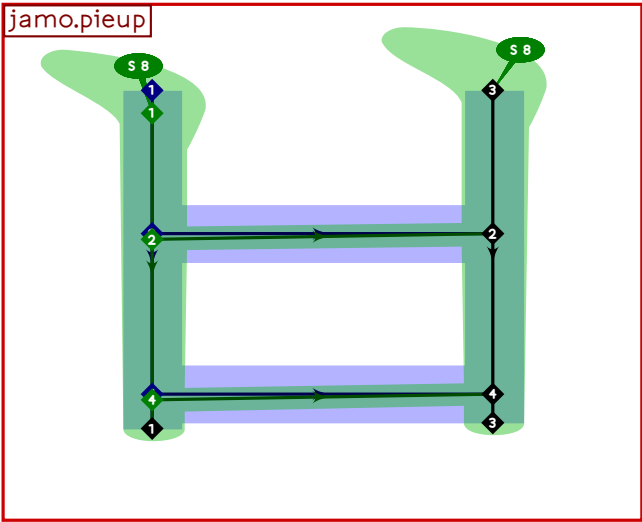
```

93 % hangul lead mieum
94 begint Suglyph("uni1106.lj1";6);
95   hangul.jamo.mieum(whatever,lix,f,loxf);
96   tsu__render;
97 endts Suglyph;
98

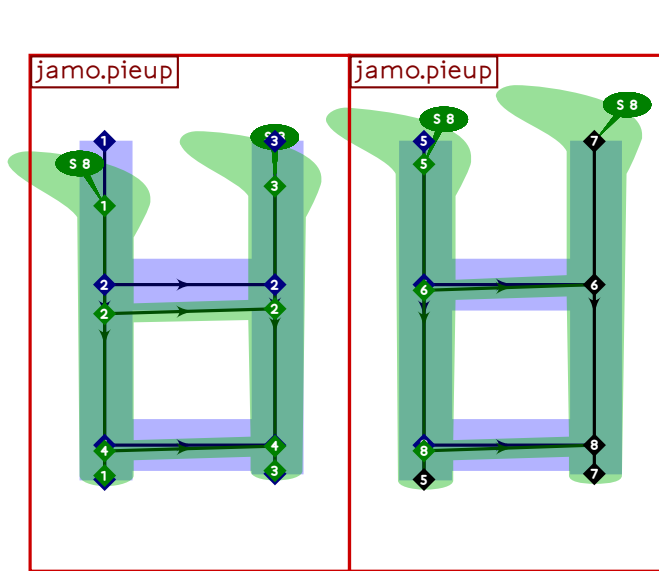
```

U+FF307
mande.uni1107.lj1

FF3



```
99 % hangul lead pieup
100 beginsuglyph("uni1107.lj1",7);
101   hangul.jamo.pieup(whatever,lixf,loxf);
102   tsu_render;
103 endsuglyph;
104
```



FF3

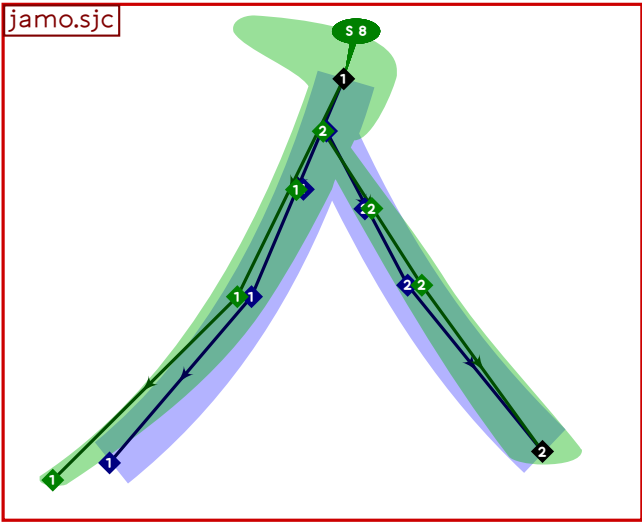
```

105 % hangul lead ssangpieup
106 begint Suglyph("uni1108.lj1";8);
107   hangul.combine.lr(207,107)(whatever,lixf,loxf);
108   tsu_render;
109 endtsuglyph;
110

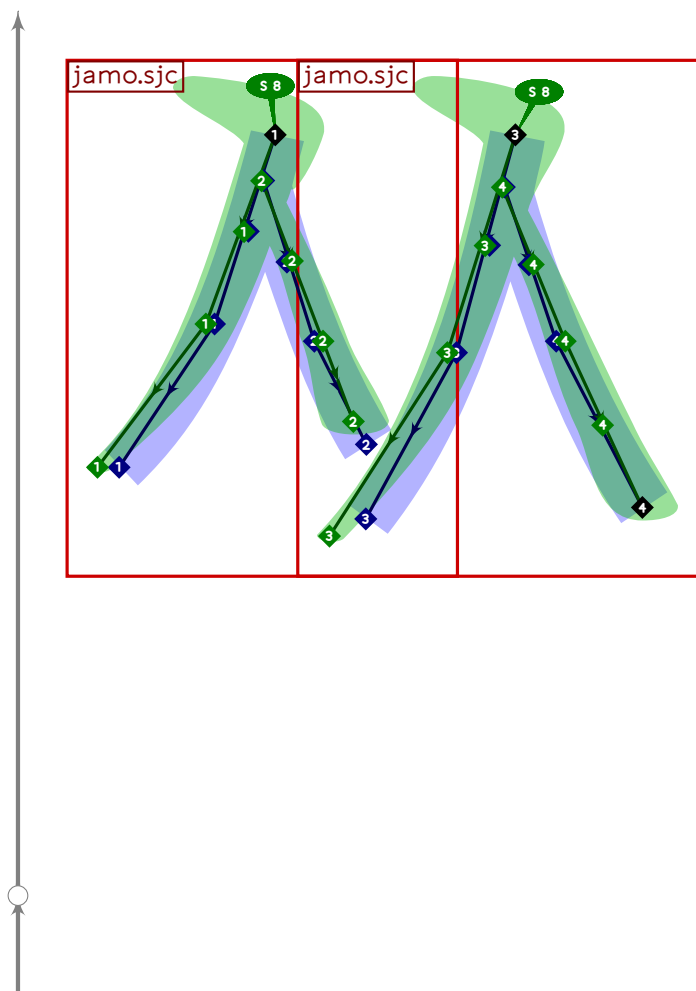
```

U+FF309
mande.uni1109.lj1

FF3



```
111 % hangul lead sios
112 begintsuglyph("uni1109.lj1"9);
113   hangul.jamo.sjc(0,0,false)(whatever,lixf,loxf);
114   tsu_render;
115 endtsuglyph;
116
```

FF3

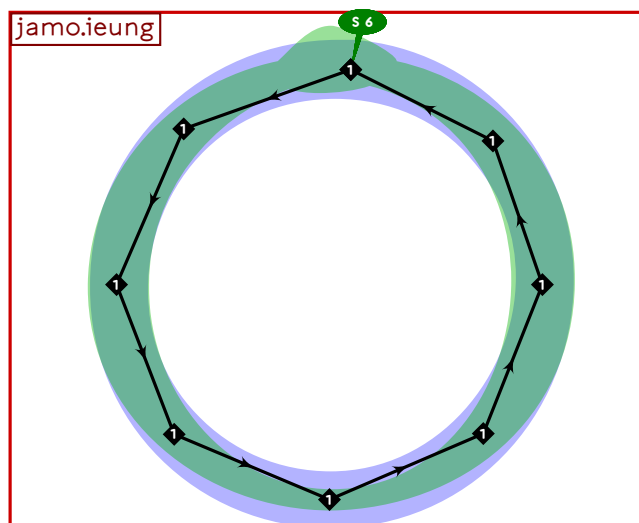
```

117 % hangul lead ssangsios
118 begintsuglyph("uni110A.lj1";10);
119   hangul.combine.lr(209;109)(whatever,lixf,loxf);
120   tsu_render;
121 endtsuglyph;
122

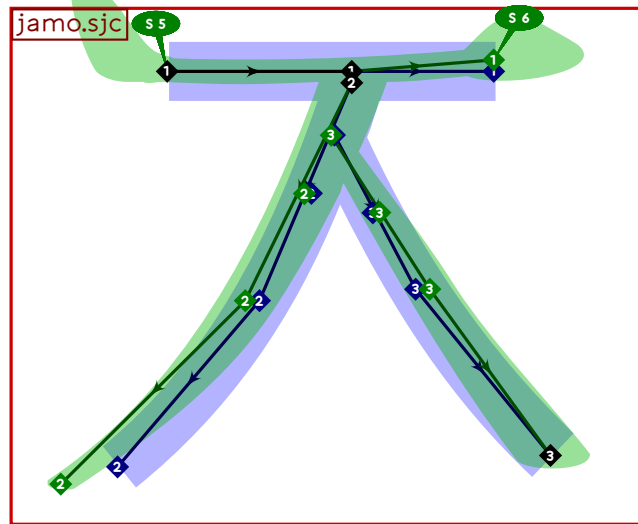
```

U+FF30B
mande.uni110B.lj1

FF3



```
123 % hangul lead ieung
124 beginsuglyph("uni110B.lj1";11);
125   hangul.jamo.ieung(whatever,lixf,loxf);
126   tsu_render;
127 endsuglyph;
128
```



FF3

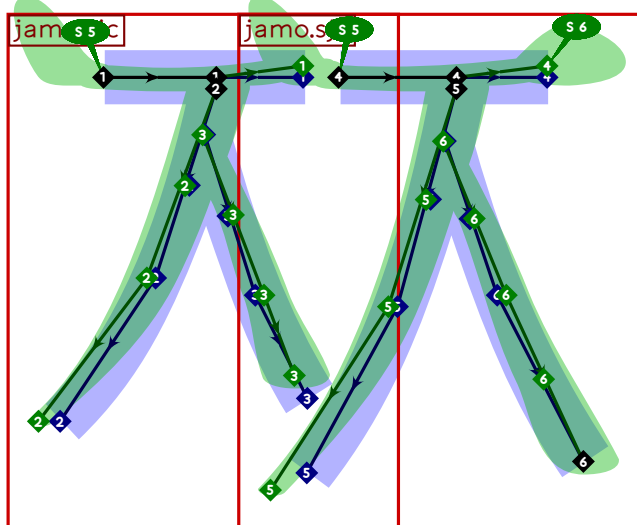
```

129 % hangul lead cieuc
130 begint Suglyph("uni110C.lj1",12);
131   hangul.jamo.sjc(1,0,false)(whatever,lixf,loxf);
132   tsu_render;
133 endtsuglyph;
134

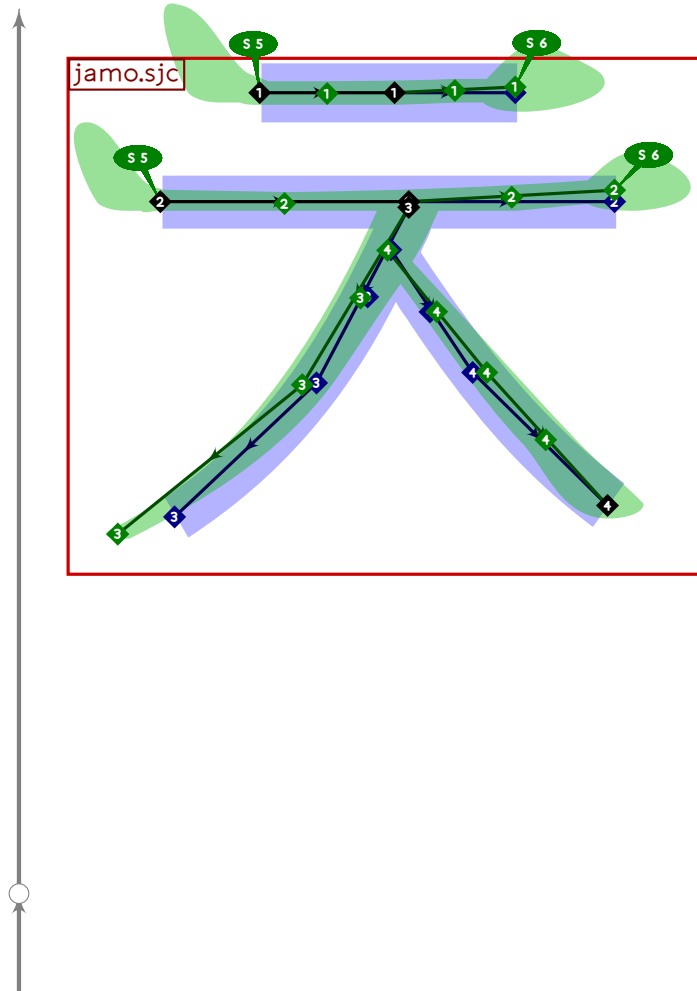
```

U+FF30D
mande.uni110D.lj1

FF3



```
135 % hangul lead ssangcieuc
136 begint Suglyph("uni110D.lj1",13);
137   hangul.combine.lr(212,112)(whatever,lixf,loxf);
138   tsu_render;
139 endtsuglyph;
140
```



FF3

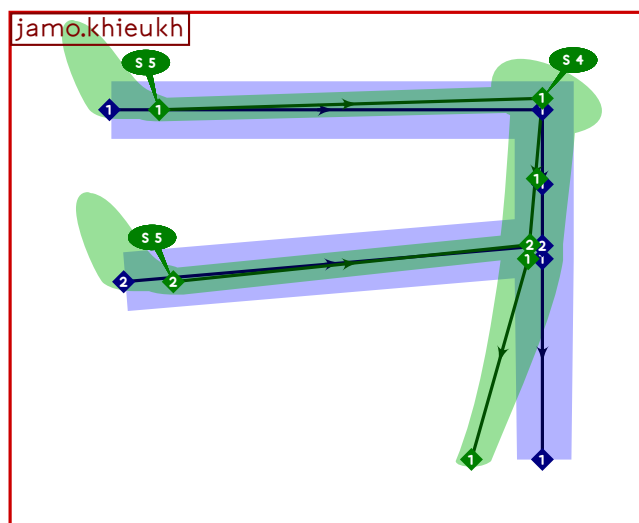
```

141 % hangul lead chieuch
142 begintsuglyph("uni110E.lj1";14);
143   hangul.jamo.sjc(2,0,false)(whatever,lixf,loxf);
144   tsu_render;
145 endtsuglyph;
146

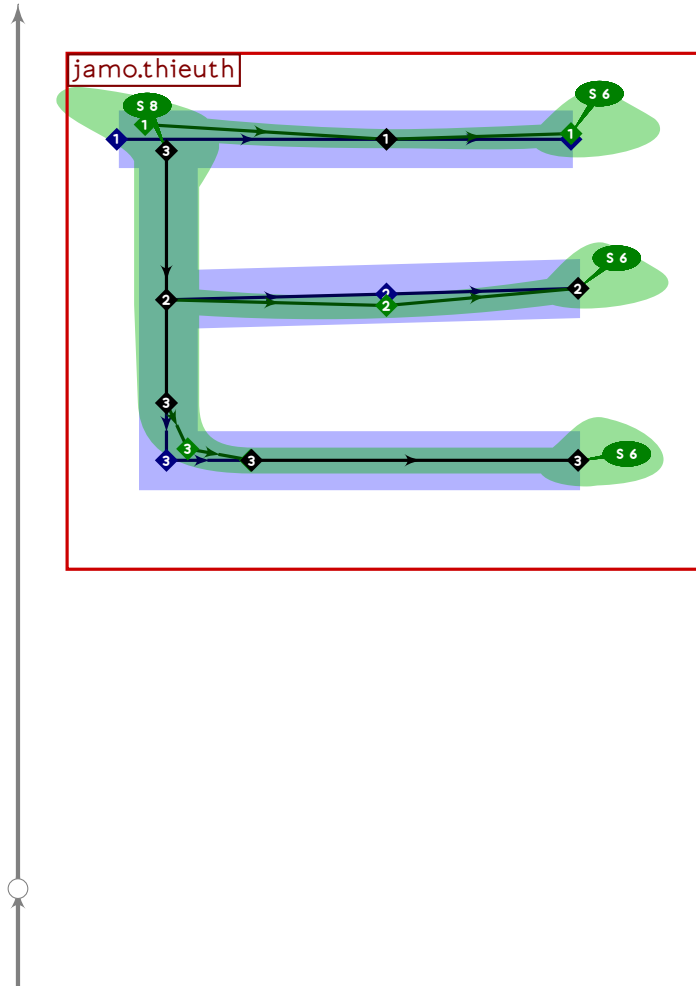
```

U+FF30F
mande.uni110F.lj1

FF3



```
147 % hangul lead khieukh
148 begint Suglyph("uni110F.lj1",15);
149   hangul.jamo.khieukh(whatever,lixf,loxf);
150   tsu_render;
151 endtsuglyph;
152
```



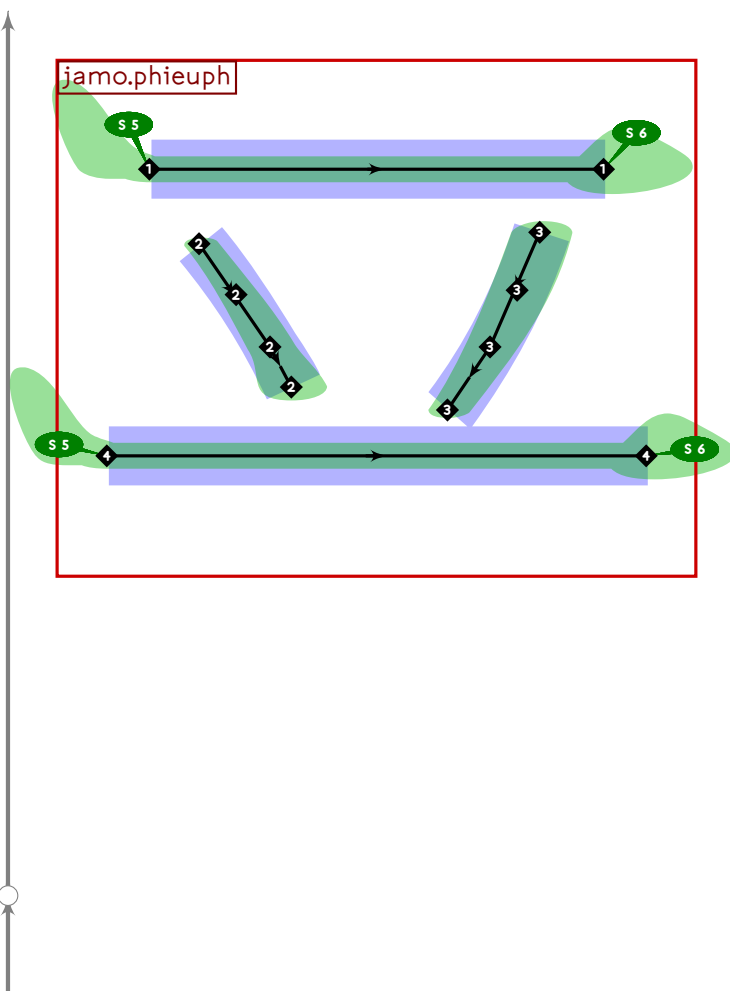
```

153 % hangul lead thieuth
154 begintsuglyph("uni1110.lj1",16);
155   hangul.jamo.thieuth(whatever,lixf,loxf);
156   tsu_render;
157 endsuglyph;
158

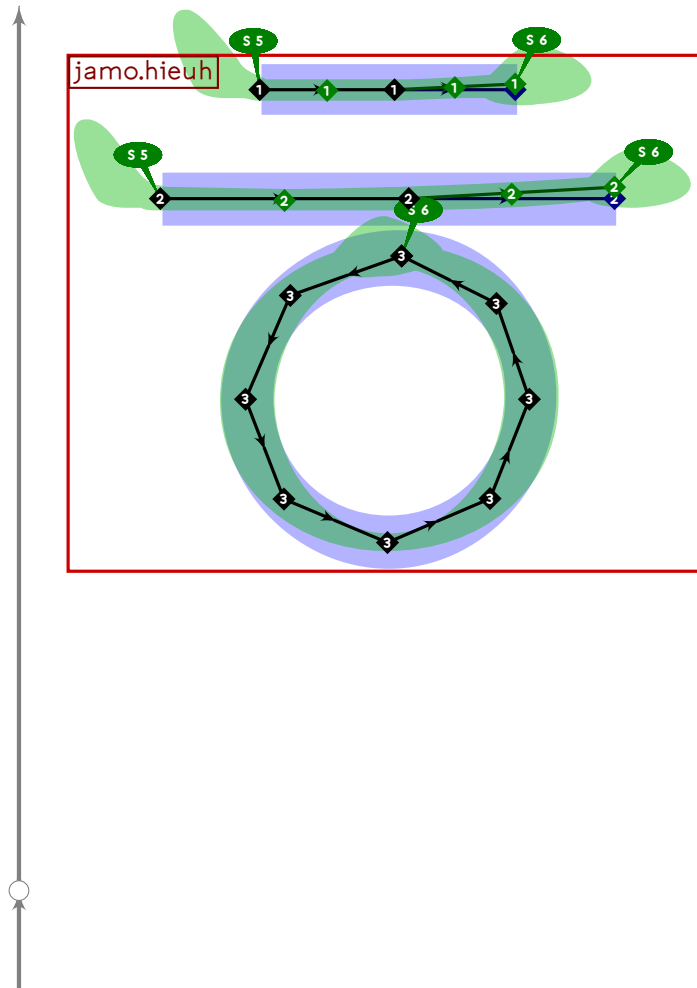
```

U+FF311
mande.uni1111.lj1

FF3



```
159 % hangul lead phieuph
160 begintsuglyph("uni1111.lj1";17);
161   hangul.jamo.phieuph(whatever,lixf,loxf);
162   tsu_render;
163 endtsuglyph;
164
```

FF3

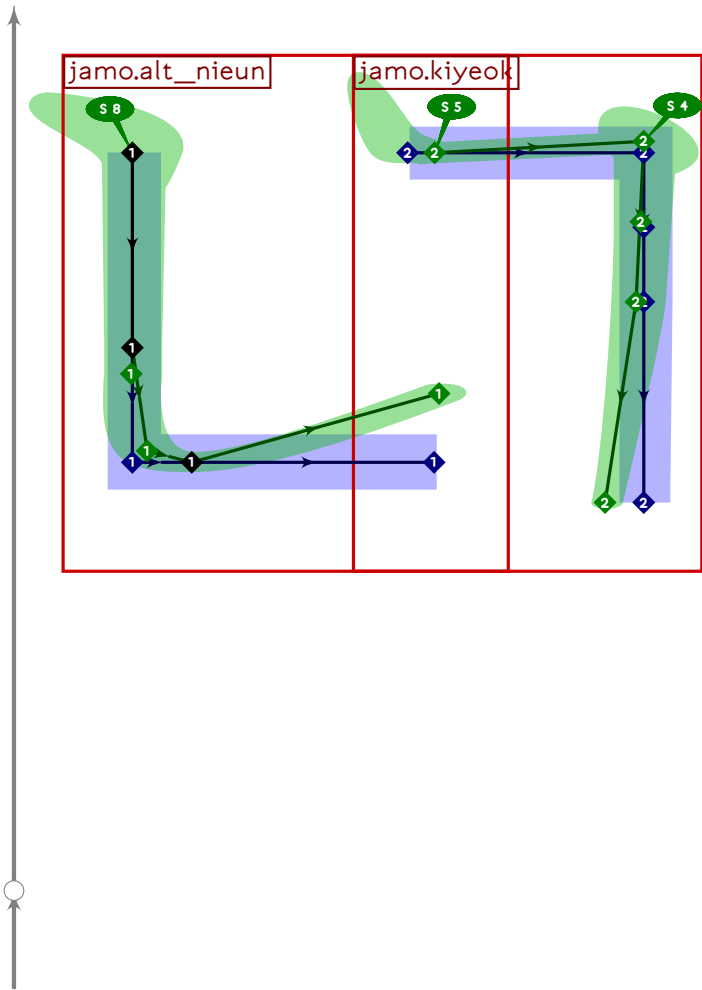
```

165 % hangul lead hieuh
166 begint Suglyph("uni1112.lj1",18);
167   hangul.jamo.hieuh(whatever,lixf,loxf);
168   tsu_render;
169 endtsuglyph;
170

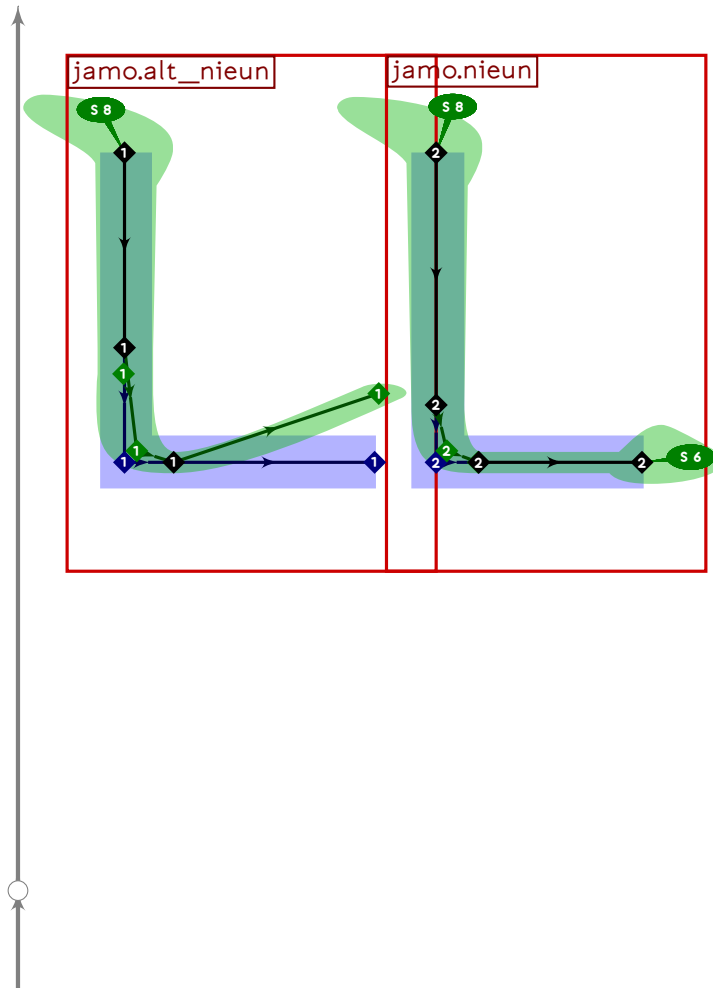
```

U+FF313
mande.uni1113.lj1

FF3



```
171 % hangul lead nieun-kiyeok
172 begintsuglyph("uni1113.lj1",19);
173   hangul.combine.lr(202,100)(whatever,lixf,loxf);
174   tsu_render;
175 endtsuglyph;
176
```



FF3

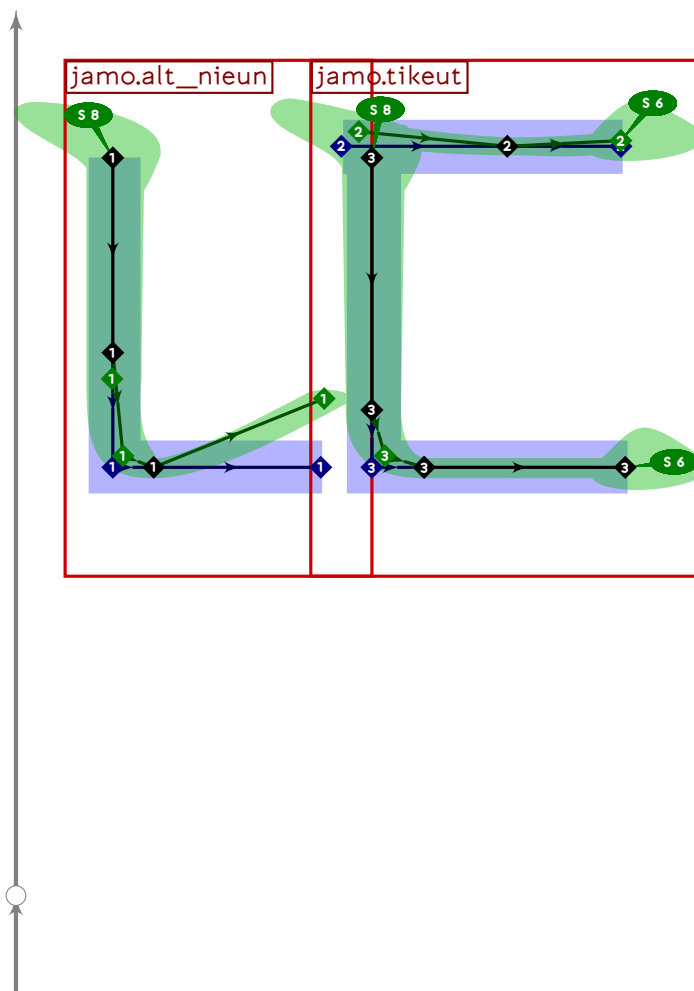
```

177 % hangul lead ssangnieun
178 begintsuglyph("uni1114.lj1",20);
179 hangul.combine.lr(202,102)(whatever,lixf,loxf);
180 tsu_render;
181 endtsuglyph;
182

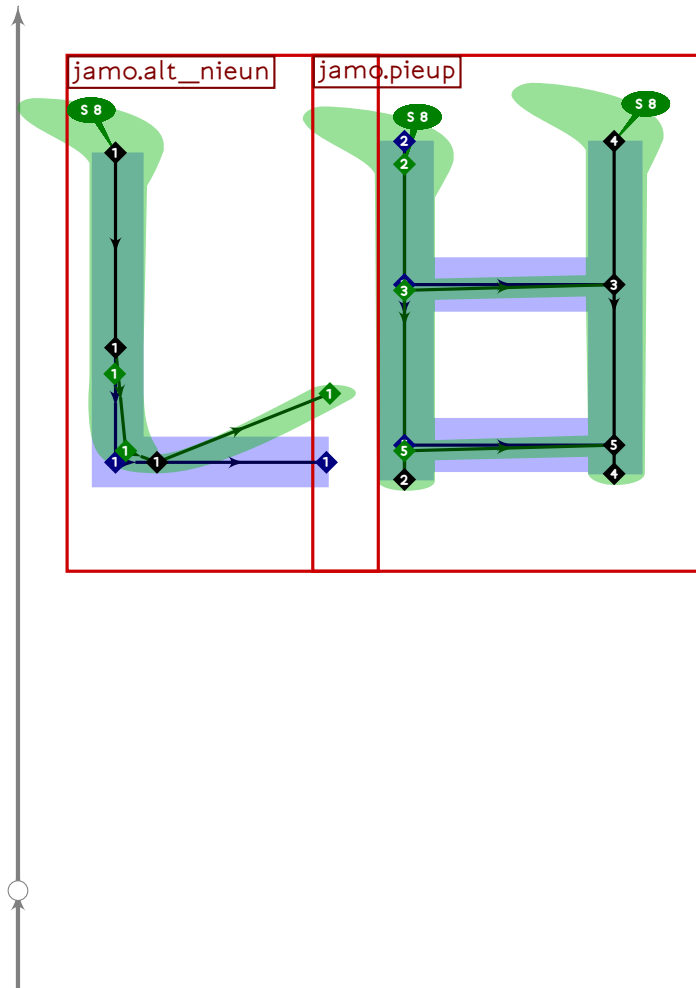
```

U+FF315
mande.uni1115.lj1

FF3



```
183 % hangul lead nieun-tikeut
184 begintsuglyph("uni1115.lj1",21);
185   hangul.combine.lr(202,103)(whatever,lixf,loxf);
186   tsu_render;
187 endtsuglyph;
188
```



FF3

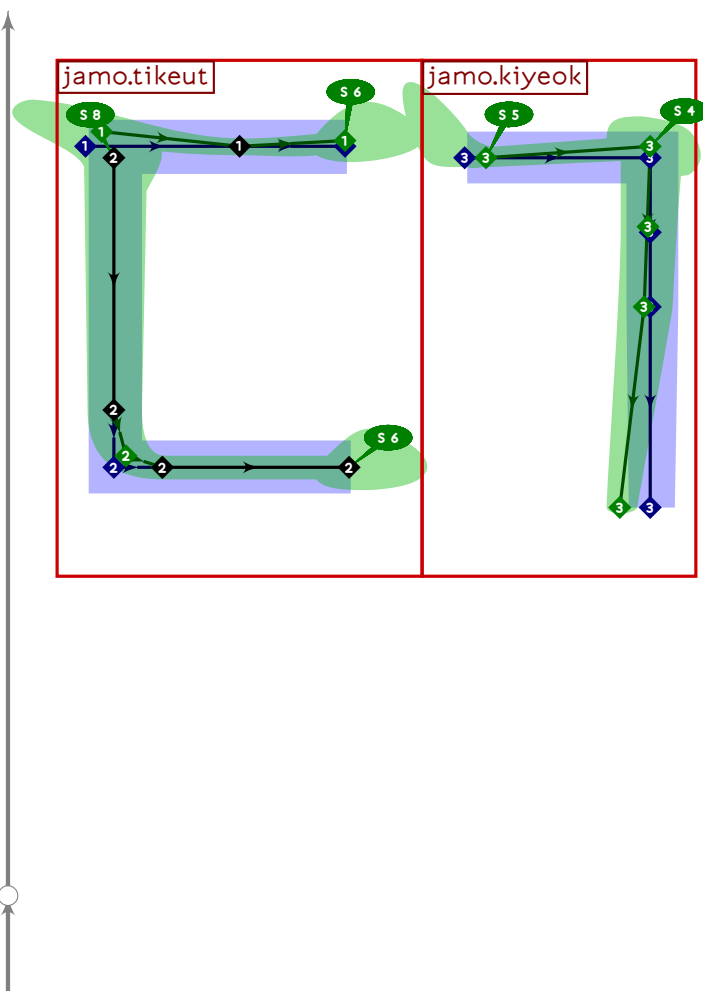
```

189 % hangul lead nieun-pieup
190 begintsuglyph("uni1116.lj1",22);
191   hangul.combine.lr(202,107)(whatever,lixf,loxf);
192   tsu_render;
193 endsuglyph;
194

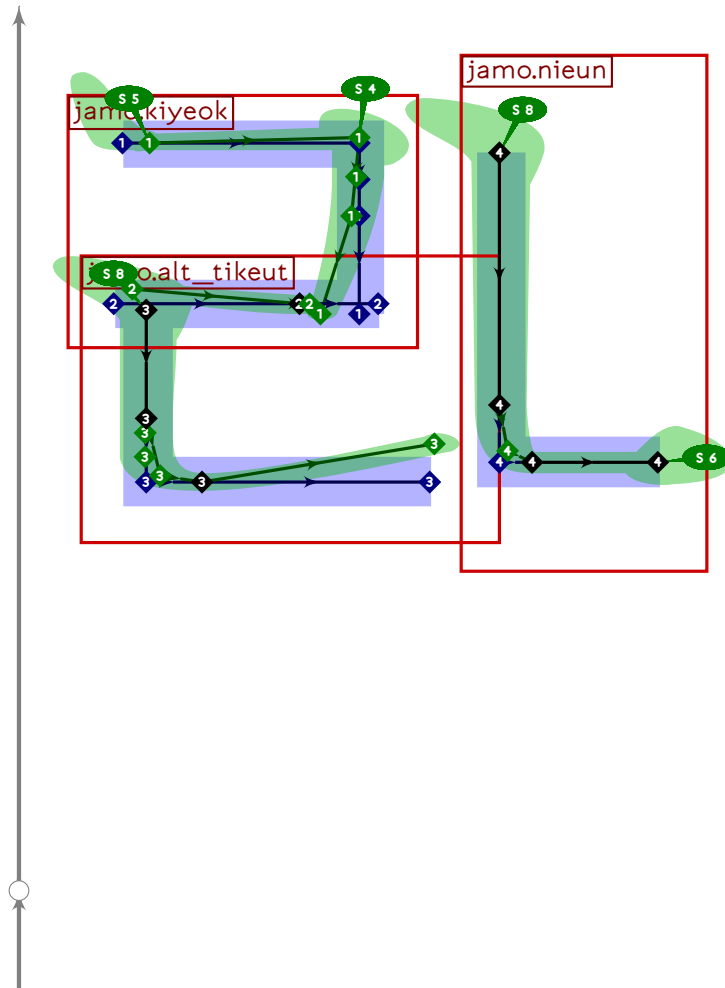
```

U+FF317
mande.uni1117.lj1

FF3



```
195 % hangul lead tikeut-kiyeok
196 beginsuglyph("uni1117.lj1";23);
197 hangul.combine.lr(103,100)(whatever,lixf,loxf);
198 tsu_render;
199 endsuglyph;
200
```



FF3

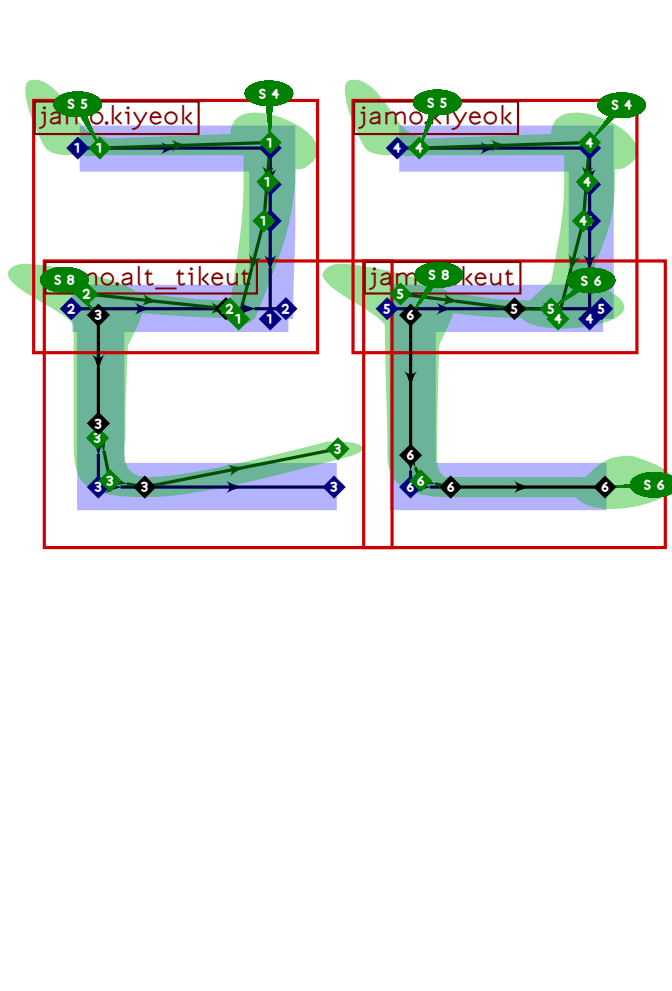
```

201 % hangul lead rieul-nieun
202 beginsuglyph("uni1118.lj1",24);
203   hangul.combine.lr(205,102)(whatever,lxf,loxf);
204   tsu_render;
205 endsuglyph;
206

```

U+FF319
mande.uni1119.lj1

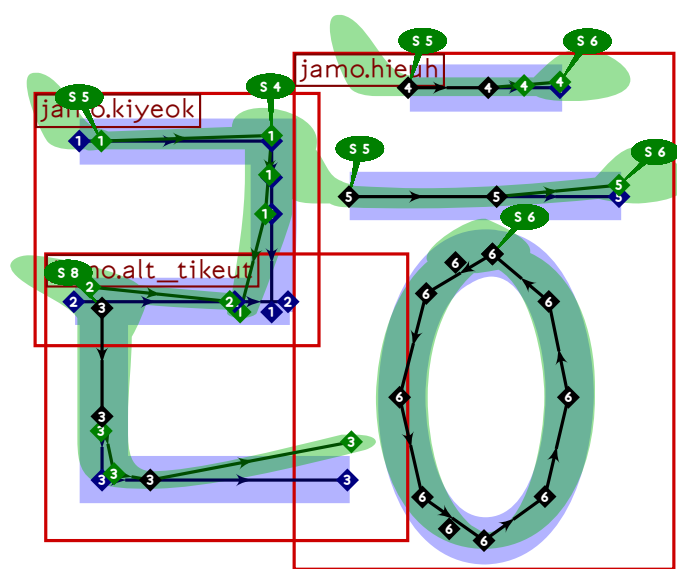
FF3



```

207 % hangul lead ssangrieul
208 begint Suglyph("uni1119.lj1";25);
209   hangul.combine.lr(205,105)(whatever,lixf,loxf);
210   tsu_render;
211 endtsuglyph;
212

```

FF3

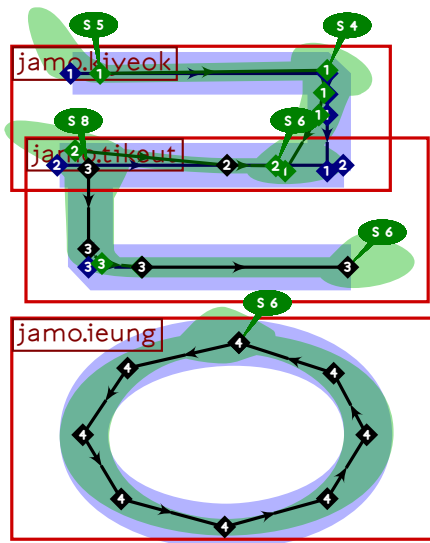
```

213 % hangul lead rieul-hieuh
214 begintsuglyph("uni111A.lj1",26);
215   hangul.combine.lr(205,118)(whatever,lixf,loxf);
216   tsu_render;
217 endtsuglyph;
218

```

U+FF31B
mande.uni111B.lj1

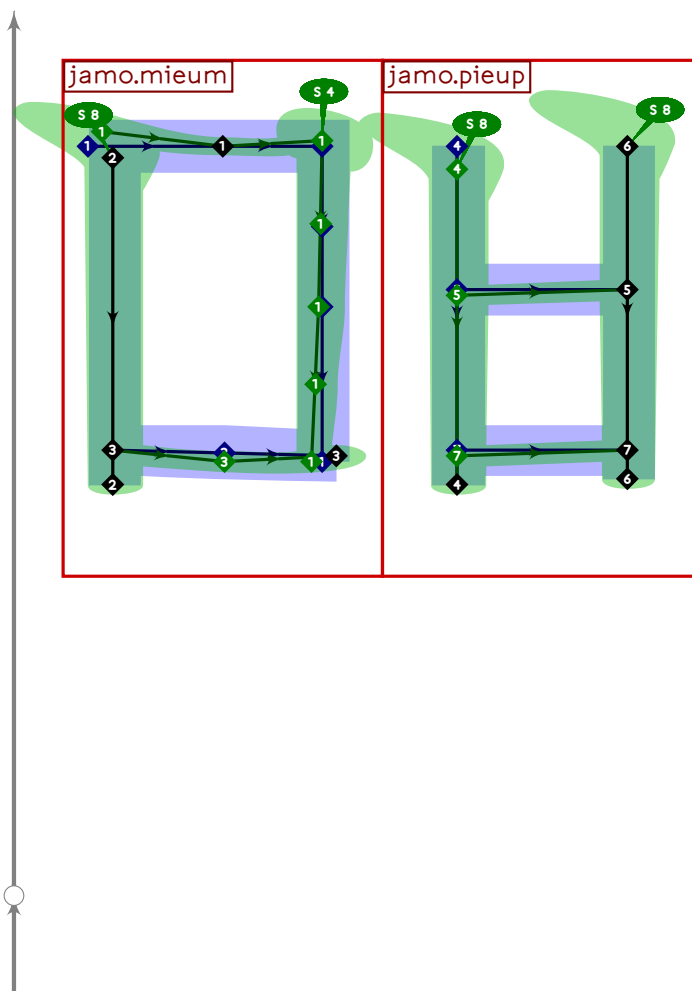
FF3



```

219 % hangul lead kapyeounrieul
220 begintsuglyph("uni111B.lj1",27);
221   hangul.combine.tb(105,521)(whatever,
222     hxf((200,850),(800,-50)) transformed lixf,loxf);
223   tsu_render;
224 endtsuglyph;
225

```



FF3

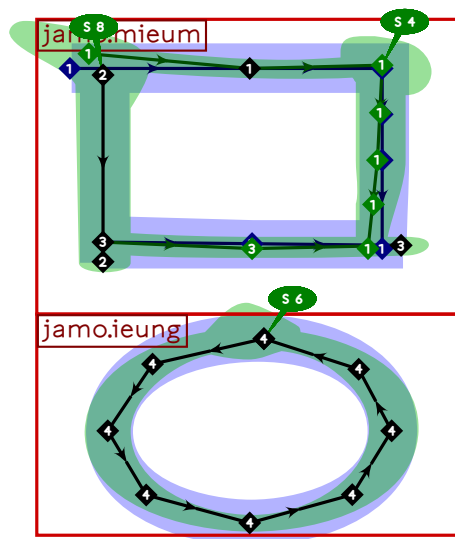
```

226 % hangul lead mieum-pieup
227 begintsuglyph("uni111C.lj1";28);
228   hangul.combine.lr(106,107)(whatever,lixf,loxf);
229   tsu_render;
230 endtsuglyph;
231

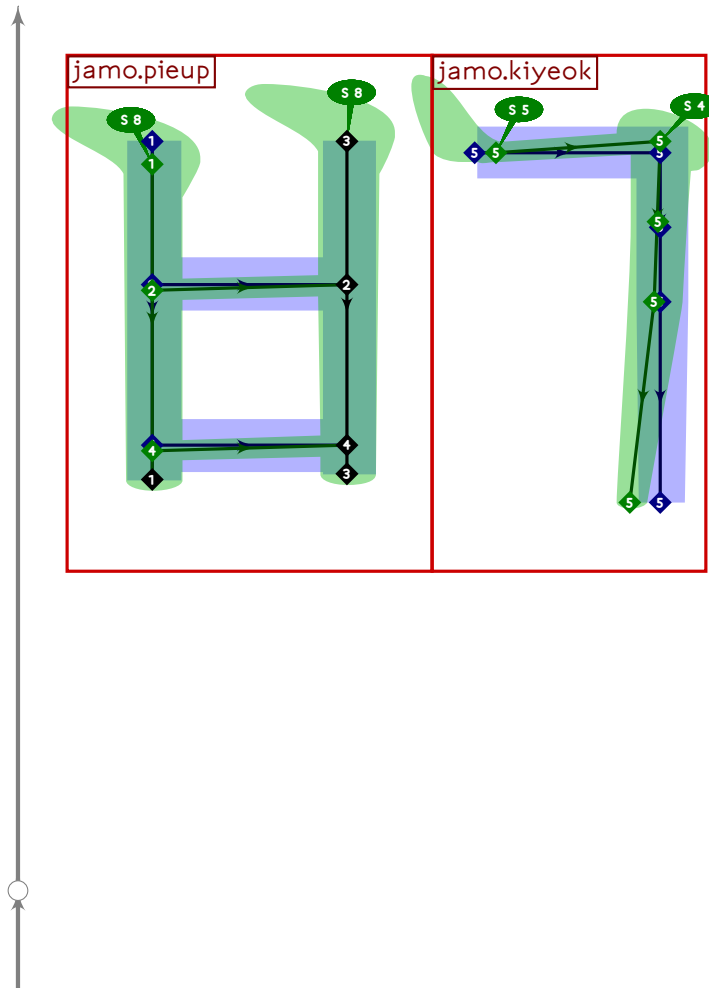
```

U+FF31D
mande.uni111D.lj1

FF3



```
232 % hangul lead kapyeounmieum
233 begintsuglyph("uni111D.lj1";29);
234   hangul.combine.tb(106,521)(whatever,
235     hxf((200,850),(800,-50)) transformed lixf,loxf);
236   tsu_render;
237 endtsuglyph;
238
```



FF3

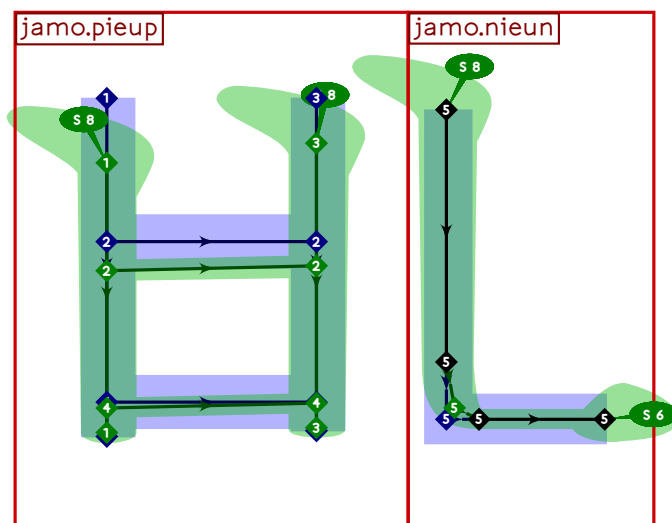
```

239 % hangul lead pieup-kiyeok
240 begintsuglyph("uni111E.lj1",30);
241   hangul.combine.lr(107,100)(whatever,lixf,loxf);
242   tsu_render;
243 endsuglyph;
244

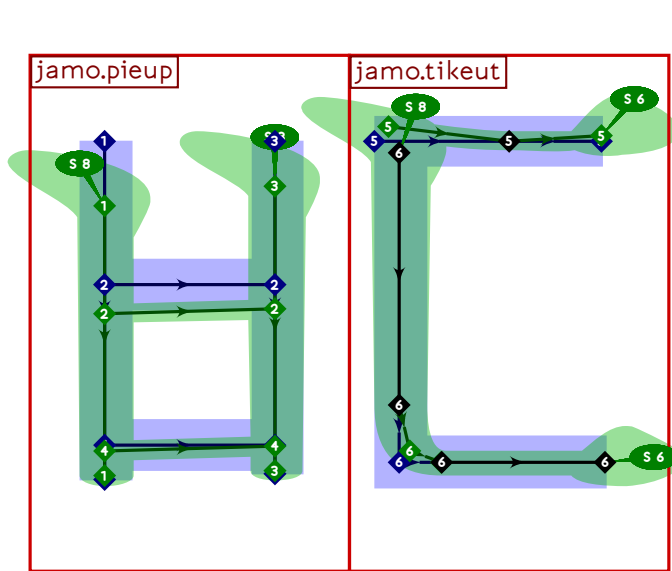
```

U+FF31F
mande.uni111F.lj1

FF3



```
245 % hangul lead pieup-nieun
246 begintsuglyph("uni111F.lj1";31);
247   hangul.combine.lr(207,102)(whatever,lixf,loxf);
248   tsu_render;
249 endtsuglyph;
250
```



FF3

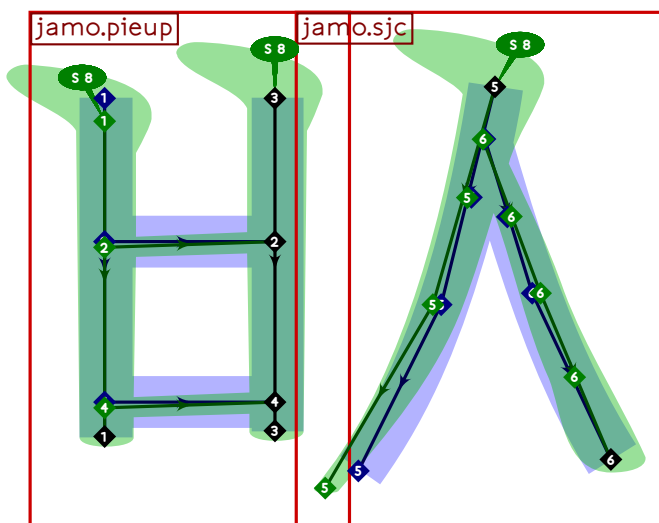
```

251 % hangul lead pieup-tikeut
252 begintsuglyph("uni1120.lj1";32);
253   hangul.combine.lr(207,103)(whatever,lixf,loxf);
254   tsu_render;
255 endtsuglyph;
256

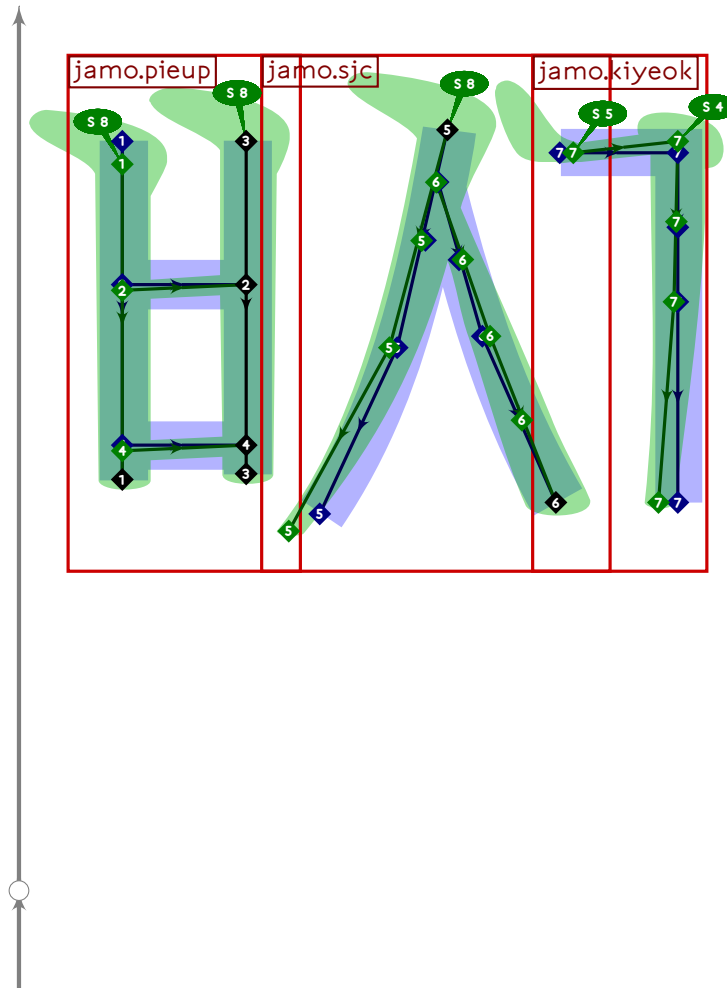
```

U+FF321
mande.uni1121.lj1

FF3



```
257 % hangul lead pieup-sios
258 begintsuglyph("uni1121.lj1",33);
259   hangul.combine.lr(107,109)(whatever,lixf,loxf);
260   tsu_render;
261 endtsuglyph;
262
```

FF3

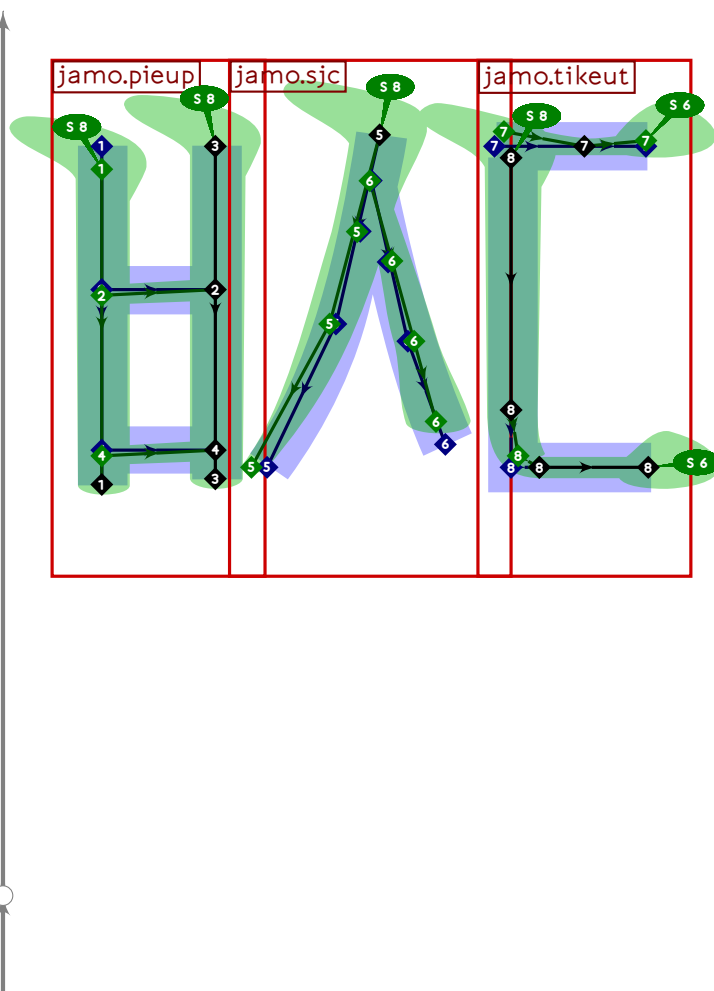
```

263 % hangul lead pieup-sios-kiyeok
264 begintsuglyph("uni122.lj1";34);
265   hangul.combine.lcr(107,109,100)(whatever,lixf,loxf);
266   tsu_render;
267 endtsuglyph;
268

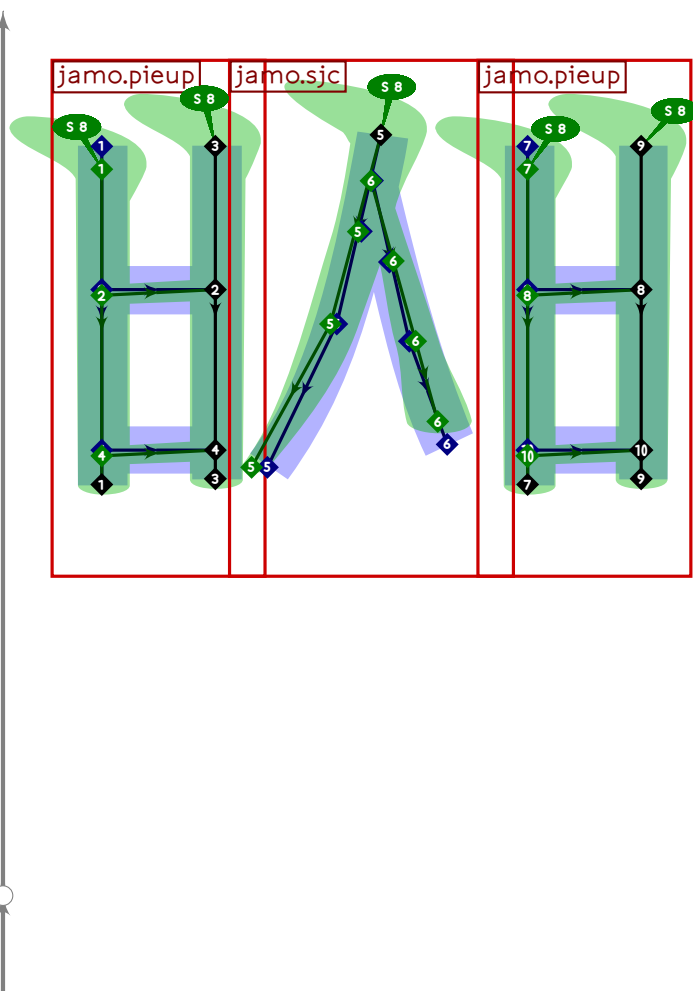
```

U+FF323
mande.uni1123.lj1

FF3



```
269 % hangul lead pieup-sios-tikeut
270 begintsuglyph("uni1123.lj1";35);
271 hangul.combine.lcr(107,209,103)(whatever,lixf,loxf);
272 tsu_render;
273 endsuglyph;
274
```



FF3

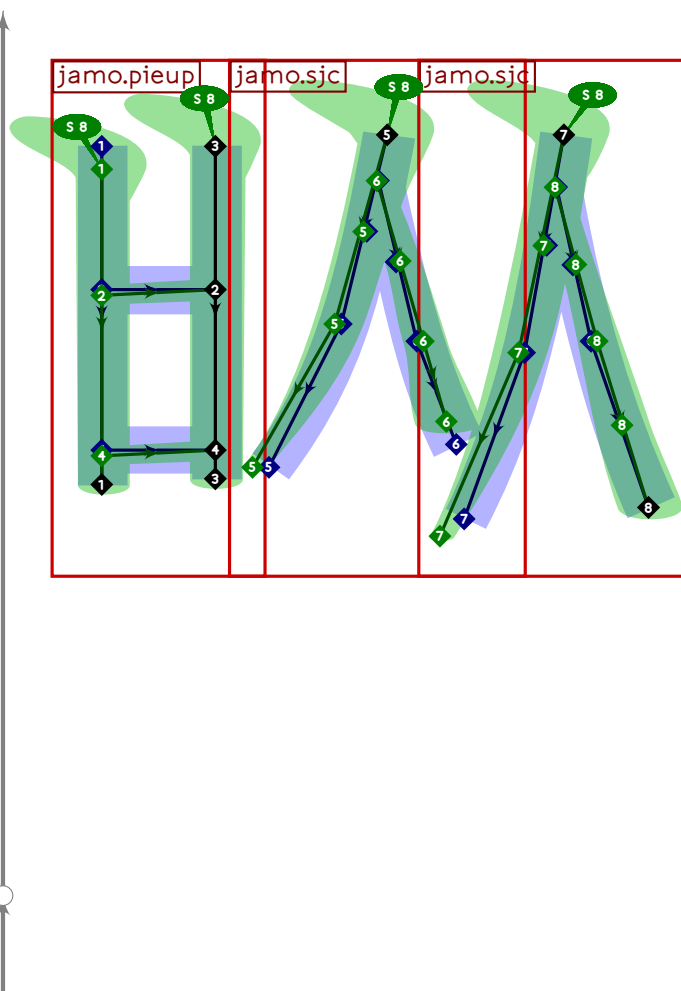
```

275 % hangul lead pieup-sios-pieup
276 begintsuglyph("uni1124.lj1";36);
277   hangul.combine.lcr(107,209,107)(whatever,lixf,loxf);
278   tsu_render;
279 endtsuglyph;
280

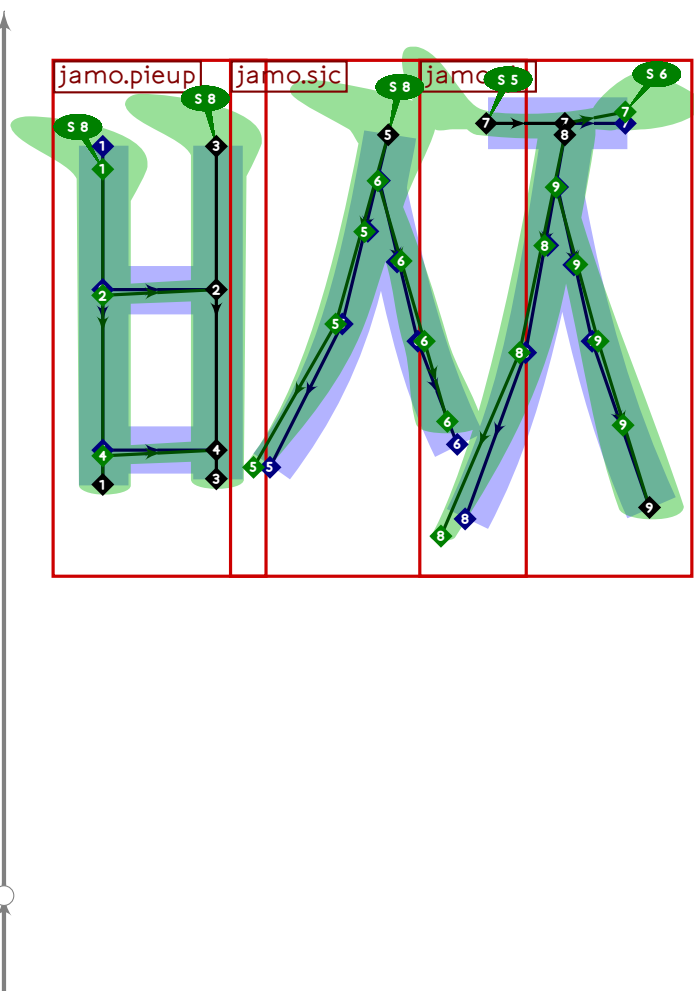
```

U+FF325
mande.uni1125.lj1

FF3



```
281 % hangul lead pieup-ssangsios
282 begintsuglyph("uni1125.lj1";37);
283   hangul.combine.lcr(107,209,109)(whatever,lixf,loxf);
284   tsu_render;
285 endtsuglyph;
286
```



FF3

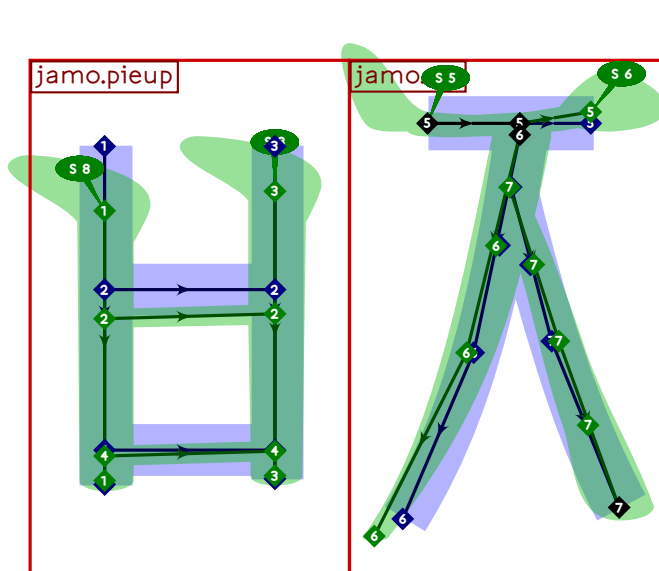
```

287 % hangul lead pieup-sios-cieuc
288 begintsuglyph("uni1126.lj1";38);
289 hangul.combine.lcr(107,209,112)(whatever,lixf,loxf);
290 tsu_render;
291 endtsuglyph;
292

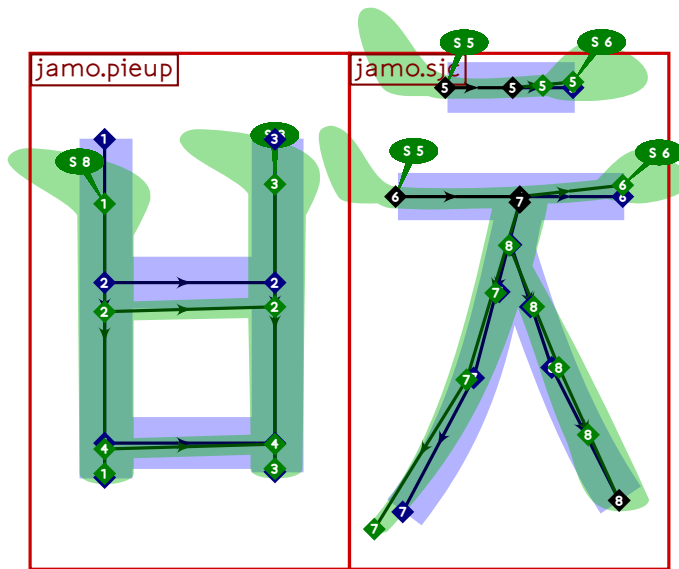
```

U+FF327
mande.uni1127.lj1

FF3



```
293 % hangul lead pieup-cieuc
294 begintsuglyph("uni1127.lj1",39);
295   hangul.combine.lr(207,112)(whatever,lixf,loxf);
296   tsu_render;
297 endtsuglyph;
298
```



FF3

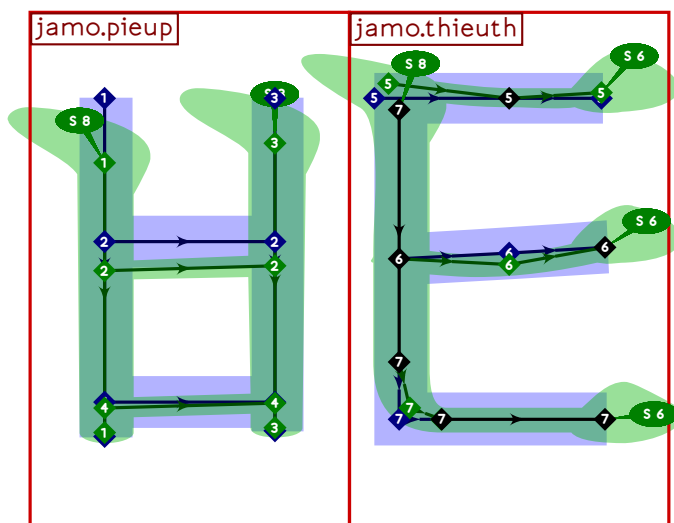
```

299 % hangul lead pieup-chieuch
300 begintsuglyph("uni128.lj1";40);
301   hangul.combine.lr(207,114)(whatever,lixf,loxf);
302   tsu_render;
303 endtsuglyph;
304

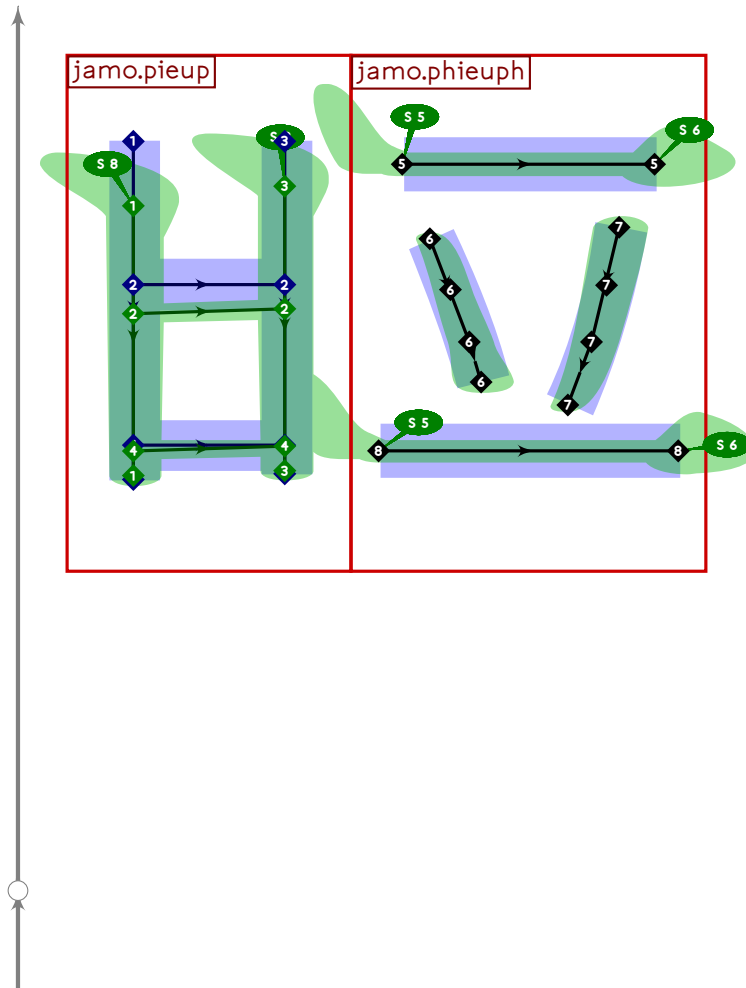
```

U+FF329
mande.uni1129.lj1

FF3



```
305 % hangul lead pieup-thieuth
306 begintsuglyph("uni1129.lj1";41);
307   hangul.combine.lr(207,116)(whatever,lixf,loxf);
308   tsu_render;
309 endtsuglyph;
310
```

FF3

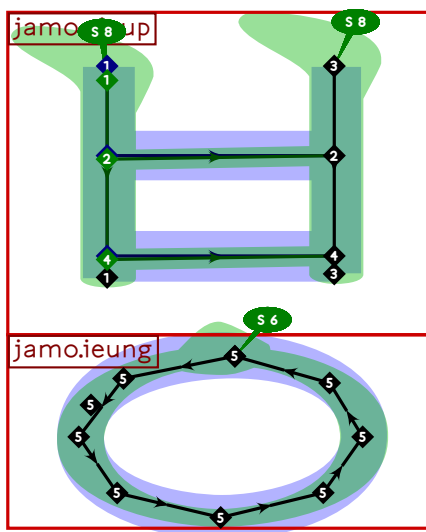
```

311 % hangul lead pieup-phieuph
312 begintsuglyph("uni112A.lj1";42);
313   hangul.combine.lr(207,117)(whatever,lixf,loxf);
314   tsu_render;
315 endtsuglyph;
316

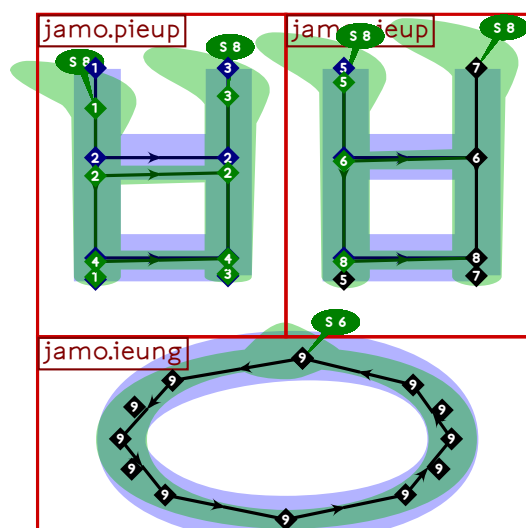
```

U+FF32B
mande.uni112B.lj1

FF3



```
317 % hangul lead kapyeounpieup
318 begintsuglyph("uni112B.lj1";43);
319   hangul.combine.tb(107,521)(whatever,
320     hxf((200,850),(800,-50)) transformed lixf,loxf);
321   tsu_render;
322 endtsuglyph;
323
```



FF3

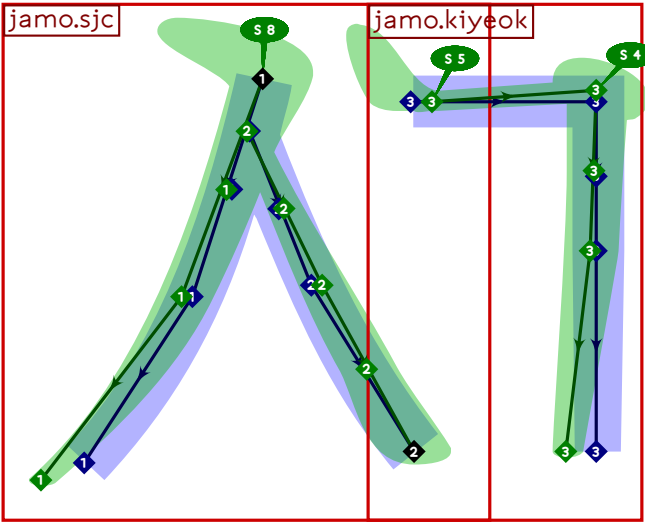
```

324 % hangul lead kapyeounssangpieup
325 begintsuglyph("uni112C.lj1";44);
326   hangul.combine.tb(108,521)(whatever,
327     hxf((150,850),(850,-50)) transformed lixf,loxf);
328   tsu_render;
329 endtsuglyph;
330

```

U+FF32D
mande.uni112D.lj1

FF3



```
331 % hangul lead sios-kiyeok
332 begintsuglyph("uni112D.lj1";45);
333   hangul.combine.lr(109;100)(whatever,lixf,loxf);
334   tsu_render;
335 endtsuglyph;
336
```

FF3



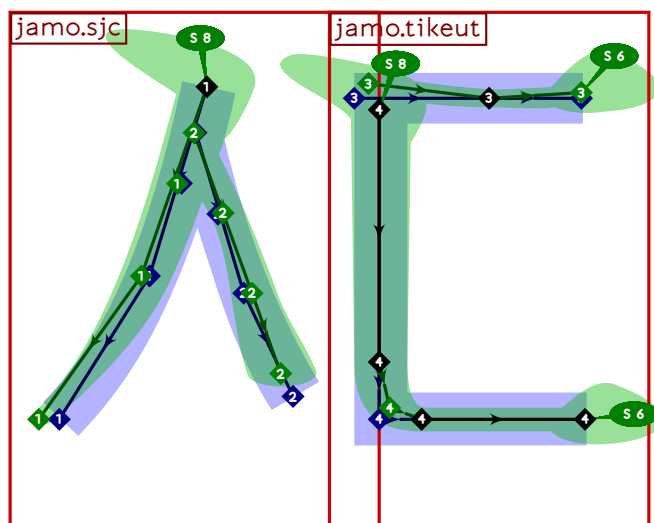
```

337 % hangul lead sios-nieun
338 begintsuglyph("uni112E.lj1",46);
339   hangul.combine.lr(209,102)(whatever,lixf,loxf);
340   tsu__render;
341 endtsuglyph;
342

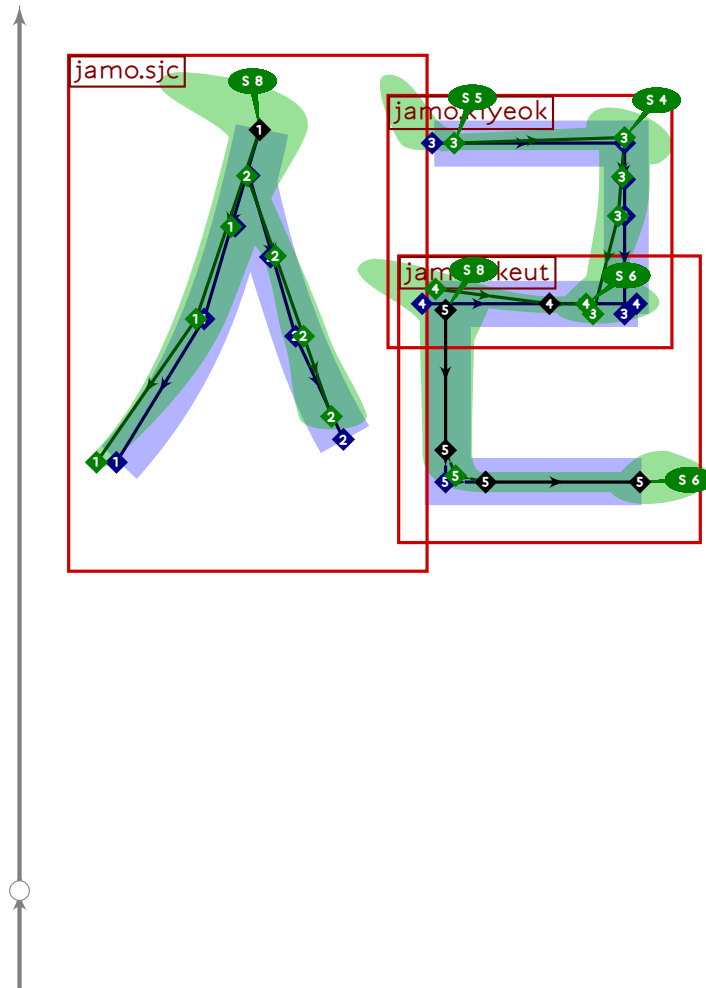
```

U+FF32F
mande.uni112F.lj1

FF3



```
343 % hangul lead sios-tikeut
344 begintsuglyph("uni112F.lj1";47);
345   hangul.combine.lr(209,103)(whatever,lixf,loxf);
346   tsu_render;
347 endtsuglyph;
348
```



FF3

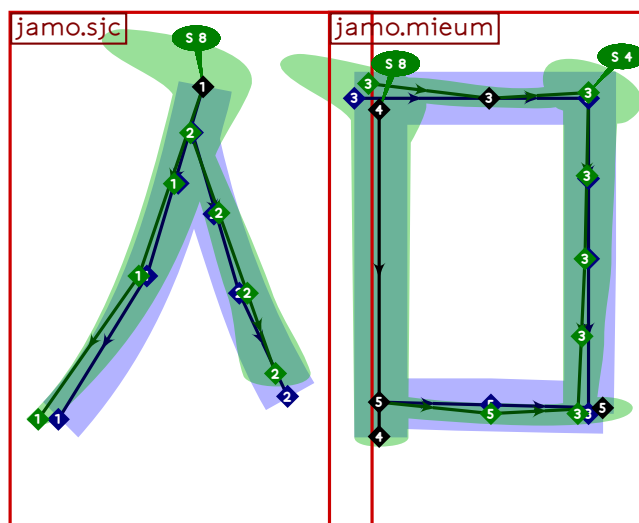
```

349 % hangul lead sios-rieul
350 begintsuglyph("uni1130.lj1";48);
351   hangul.combine.lr(209;105)(whatever,lixf,loxf);
352   tsu_render;
353 endtsuglyph;
354

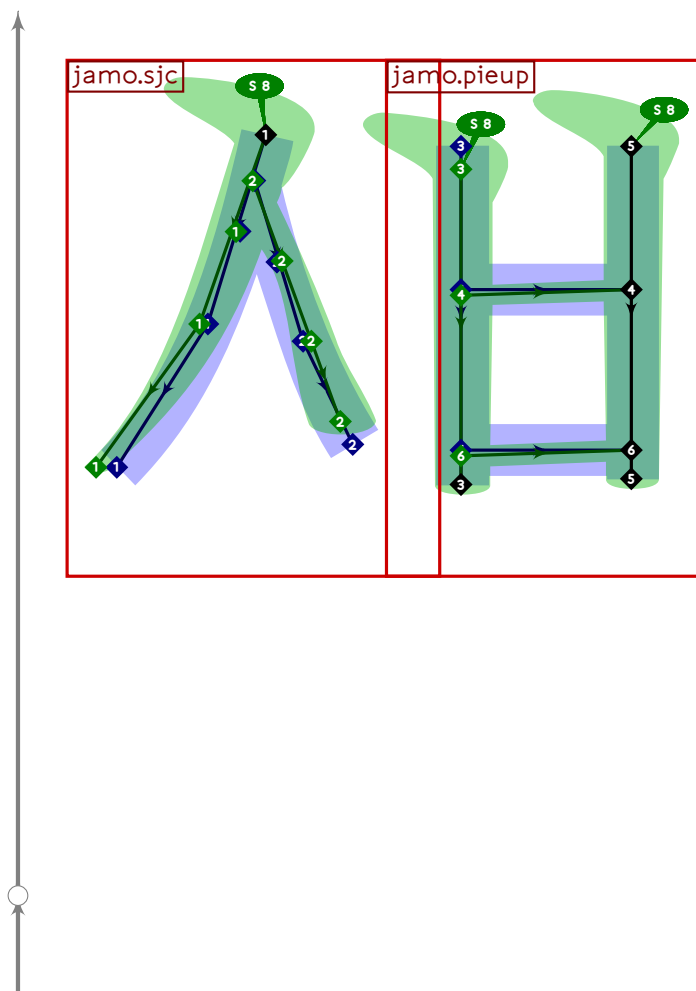
```

U+FF331
mande.uni1131.lj1

FF3



```
355 % hangul lead sios-mieum
356 begintsuglyph("uni1131.lj1";49);
357   hangul.combine.lr(209,106)(whatever,lixf,loxf);
358   tsu_render;
359 endtsuglyph;
360
```

FF3

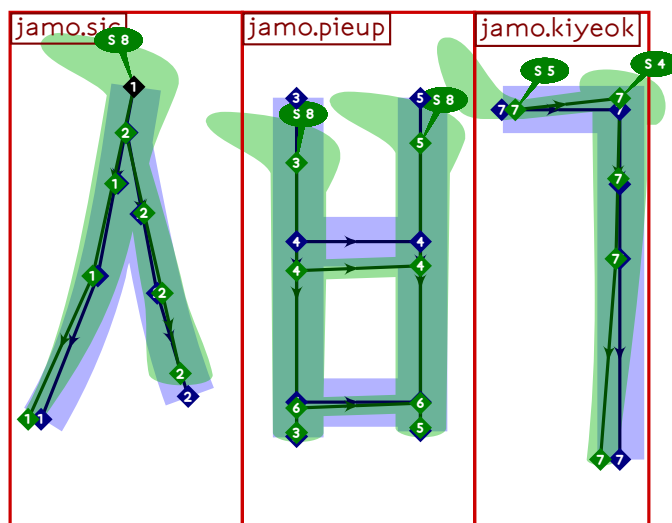
```

361 % hangul lead sios-pieup
362 begintsuglyph("uni1132.lj1";50);
363   hangul.combine.lr(209,107)(whatever,lixf,loxf);
364   tsu_render;
365 endtsuglyph;
366

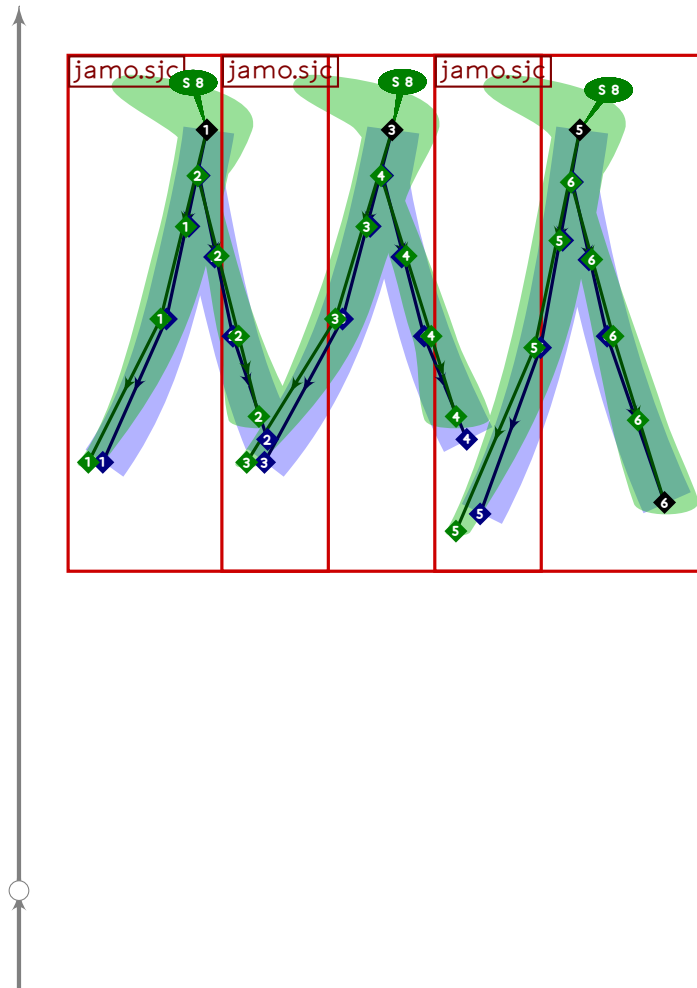
```

U+FF333
mande.uni1133.lj1

FF3



```
367 % hangul lead sios-pieup-kiyeok
368 begint Suglyph("uni1133.lj1",51);
369 hangul.combine.lcr(209,207,100)(whatever,lixf,loxf);
370 tsu_render;
371 endtsuglyph;
372
```



FF3

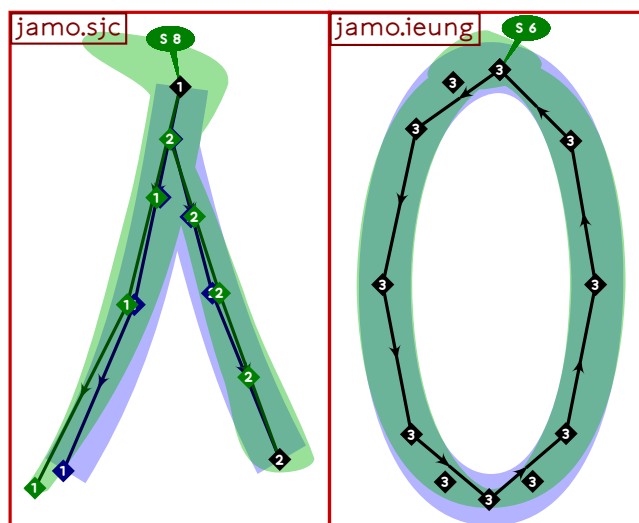
```

373 % hangul lead sios-sios-sios
374 begintsuglyph("uni1134.lj1";52);
375   hangul.combine.lcr(209,209,109)(whatever,lixf,loxf);
376   tsu_render;
377 endtsuglyph;
378

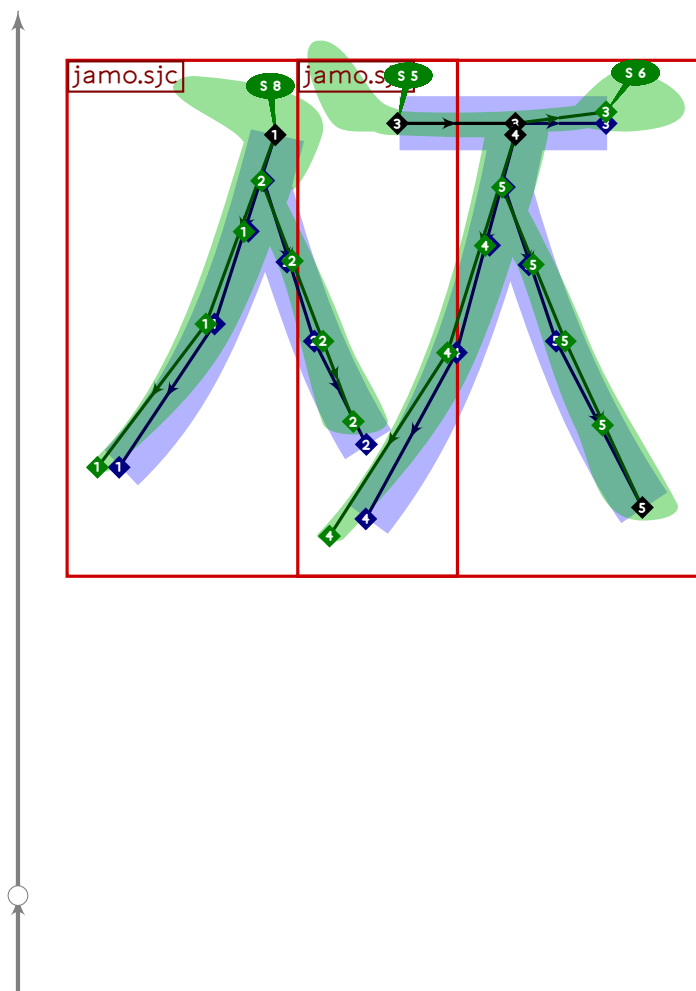
```

U+FF335
mande.uni1135.lj1

FF3



```
379 % hangul lead sios-ieung
380 begintsuglyph("uni1135.lj1",53);
381   hangul.combine.lr(109,111)(whatever,lixf,loxf);
382   tsu_render;
383 endtsuglyph;
384
```



FF3

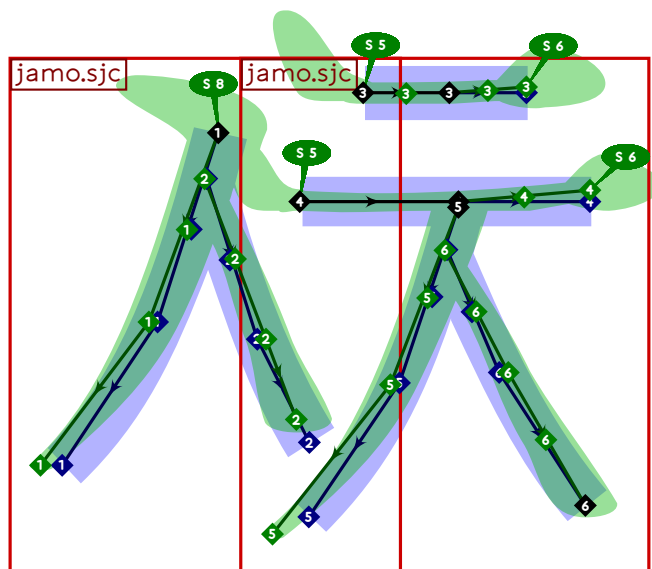
```

385 % hangul lead sios-cieuc
386 begintsuglyph("uni1136.lj1";54);
387   hangul.combine.lr(209;112)(whatever;lixf;loxf);
388   tsu_render;
389 endtsuglyph;
390

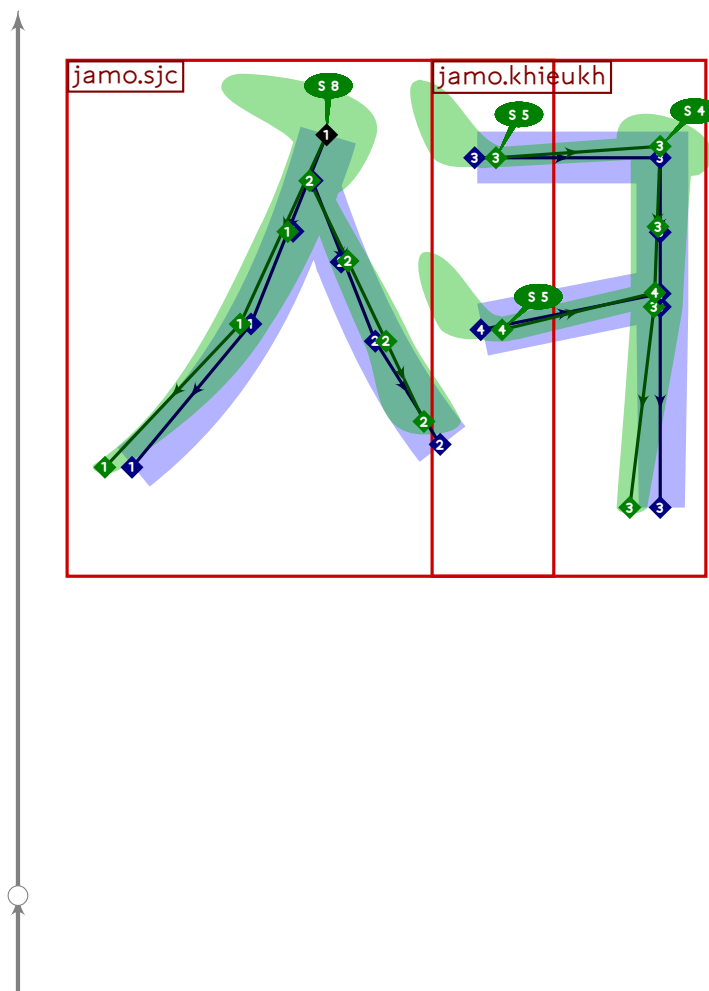
```

U+FF337
mande.uni1137.lj1

FF3



```
391 % hangul lead sios-chieuch
392 begintsuglyph("uni1137.lj1",55);
393   hangul.combine.lr(209,114)(whatever,lixf,loxf);
394   tsu_render;
395 endtsuglyph;
396
```



FF3

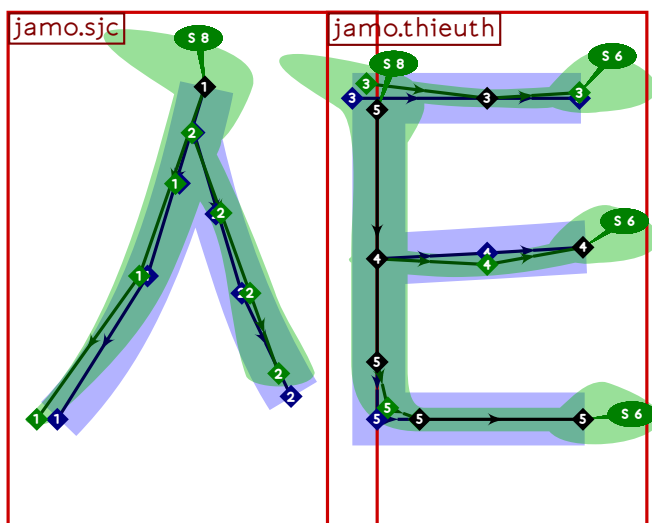
```

397 % hangul lead sios-khieukh
398 begintsuglyph("uni1138.lj1",56);
399 hangul.combine.lr(209,115)(whatever,lixf,loxf);
400 tsu_render;
401 endtsuglyph;
402

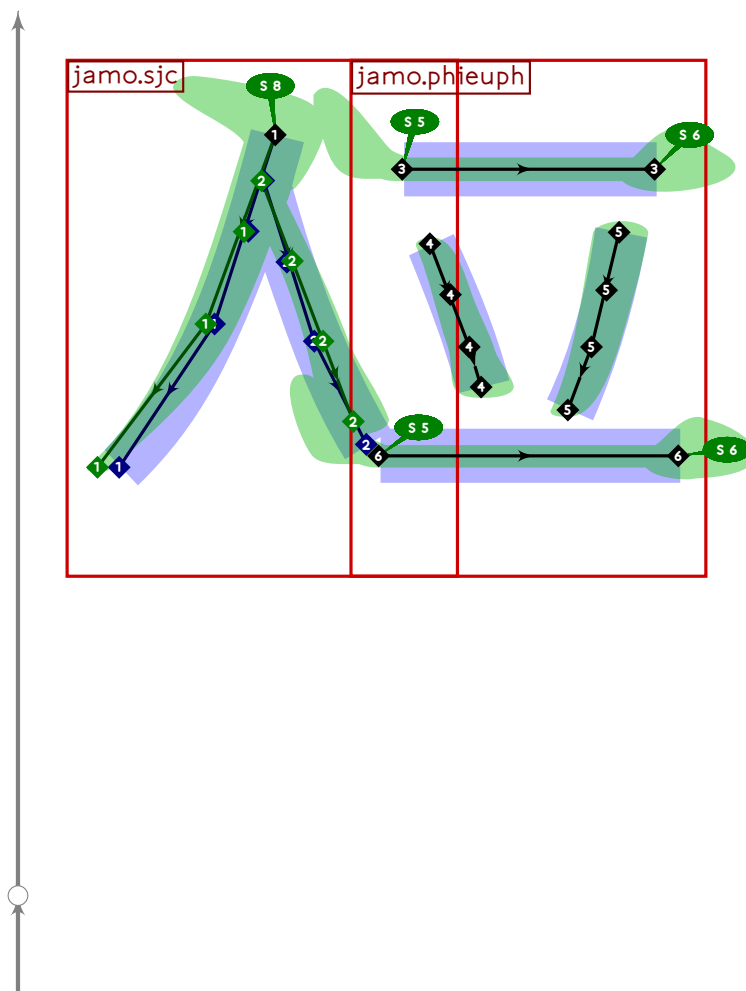
```

U+FF339
mande.uni1139.lj1

FF3



```
403 % hangul lead sios-thieuth
404 begintsuglyph("uni1139.lj1",57);
405   hangul.combine.lr(209,116)(whatever,lixf,loxf);
406   tsu_render;
407 endtsuglyph;
408
```

FF3

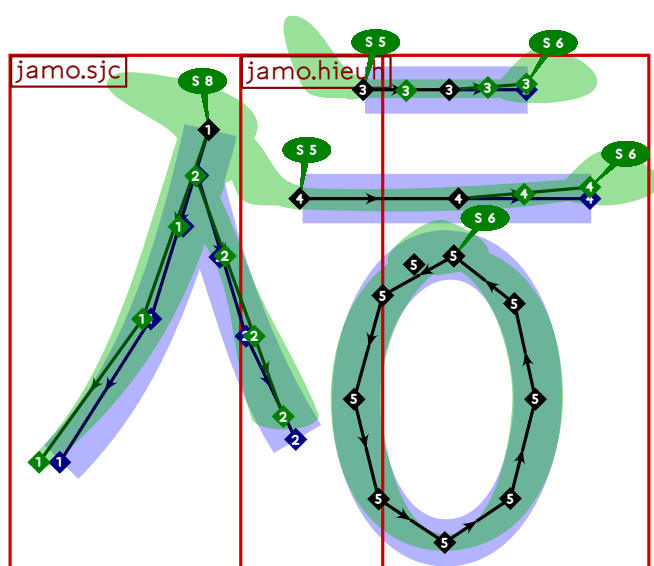
```

409 % hangul lead sios-phieuph
410 begintsuglyph("uni113A.lj1";58);
411 hangul.combine.lr(209;117)(whatever;lixf,loxf);
412 tsu_render;
413 endtsuglyph;
414

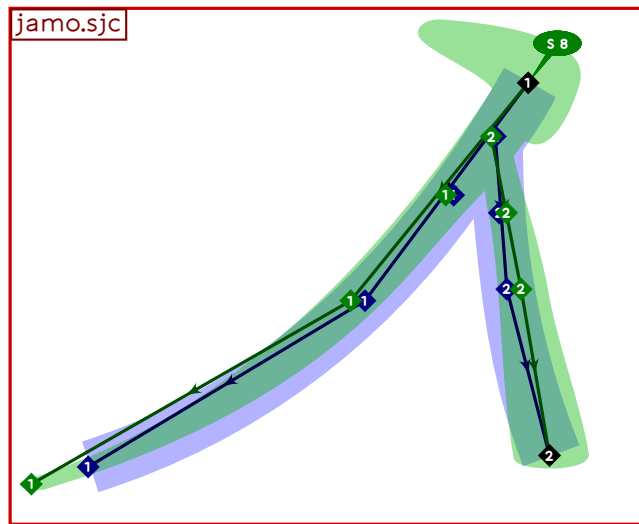
```

U+FF33B
mande.uni113B.lj1

FF3



```
415 % hangul lead sios-hieuh
416 begintsuglyph("uni113B.lj1";59);
417   hangul.combine.lr(209,118)(whatever,lixf,loxf);
418   tsu_render;
419 endtsuglyph;
420
```

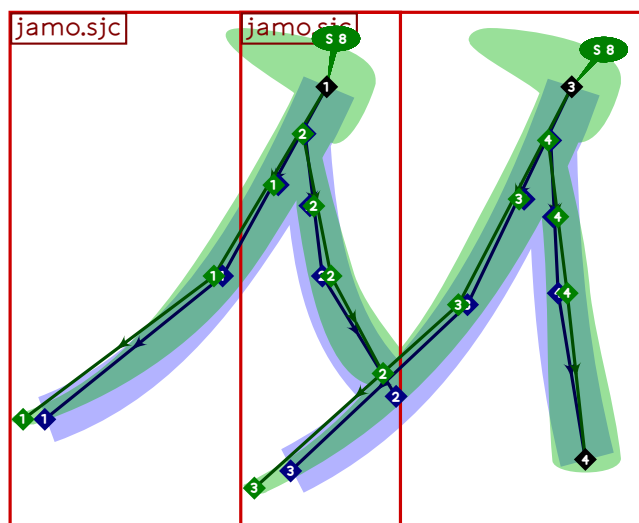


FF3

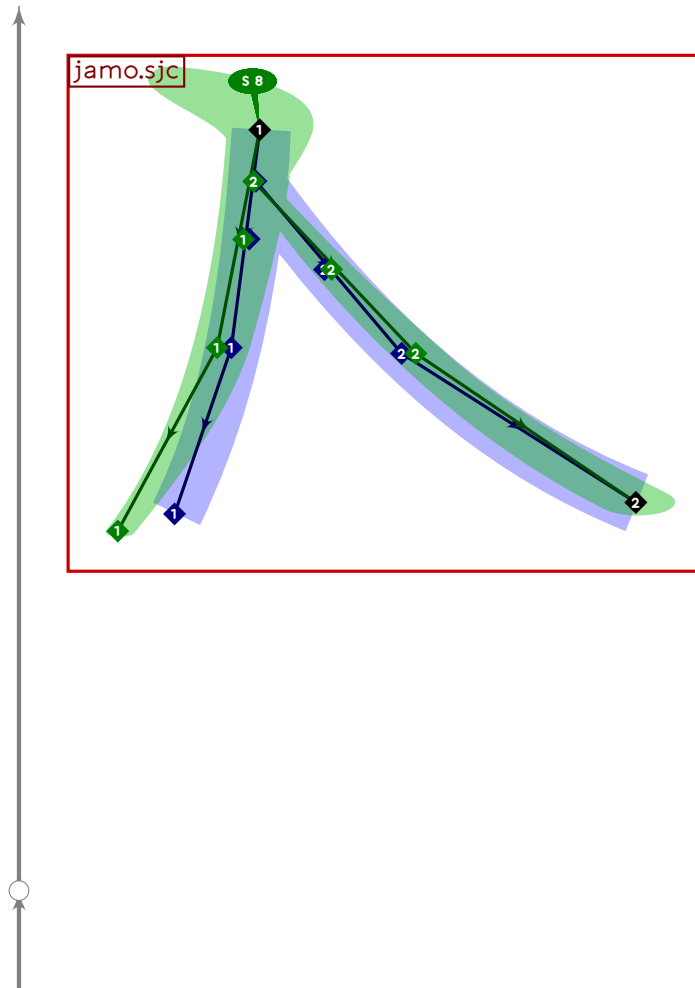
```
421 % hangul lead chitueumsios
422 begint Suglyph("uni113C.lj1",60);
423   hangul.jamo.sjc(0,1,false)(whatever,lixf,loxf);
424   tsu_render;
425 endtsuglyph;
426
```

U+FF33D
mande.uni113D.lj1

FF3



```
427 % hangul lead chitueumssangsios
428 begintsuglyph("uni113D.lj1",61);
429 hangul.combine.lr(223,222)(whatever,lixf,loxf);
430 tsu_render;
431 endtsuglyph;
432
```



FF3

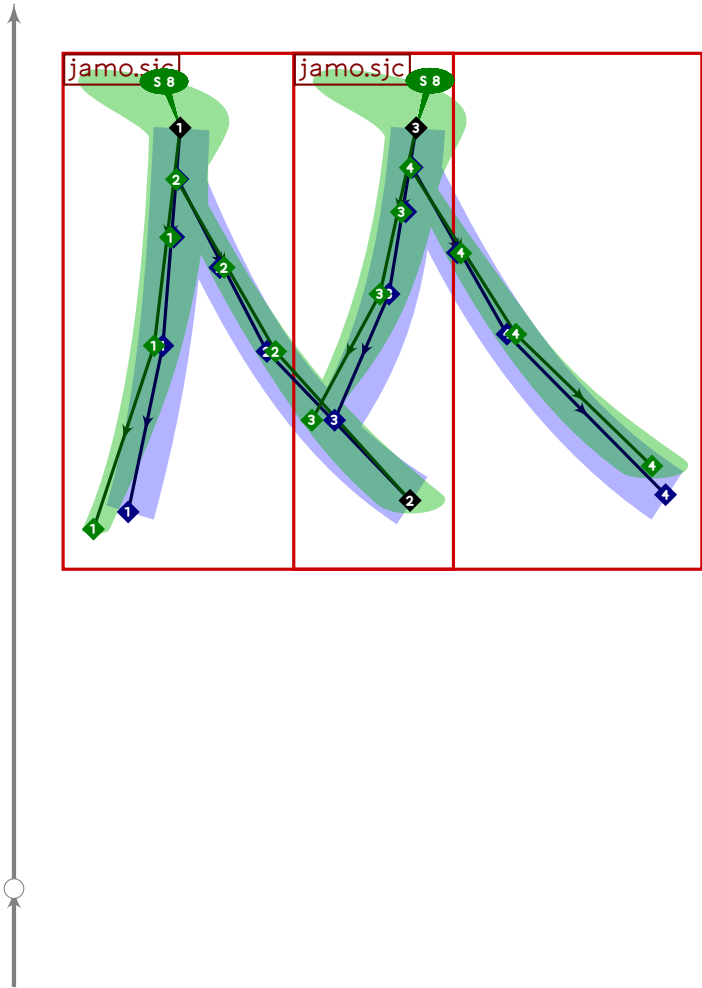
```

433 % hangul lead ceongchieumsios
434 begintsuglyph("uni113E.lj1";62);
435   hangul.jamo.sjc(0,-1,false)(whatever,lixf,loxf);
436   tsu_render;
437 endtsuglyph;
438

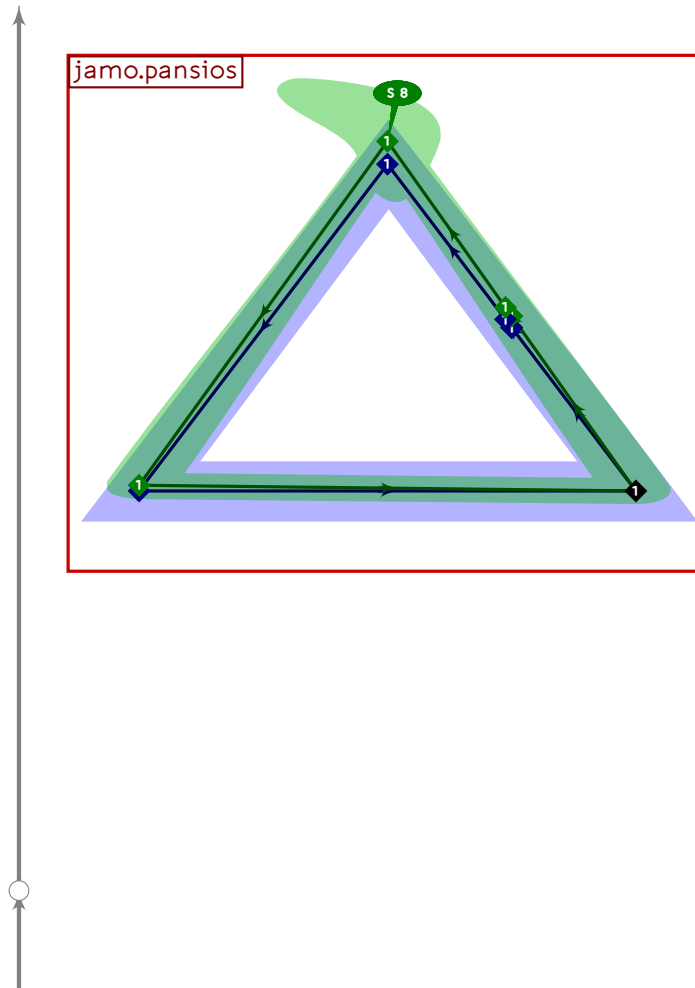
```

U+FF33F
mande.uni113F.lj1

FF3



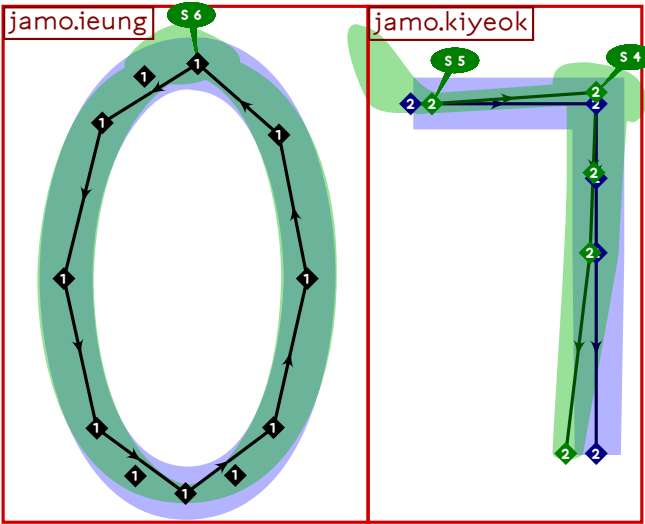
```
439 % hangul lead ceongchieumssangsios
440 begintsuglyph("uni113F.lj1",63);
441   hangul.combine.lr(224,225)(whatever,lixf,loxf);
442   tsu_render;
443 endtsuglyph;
444
```



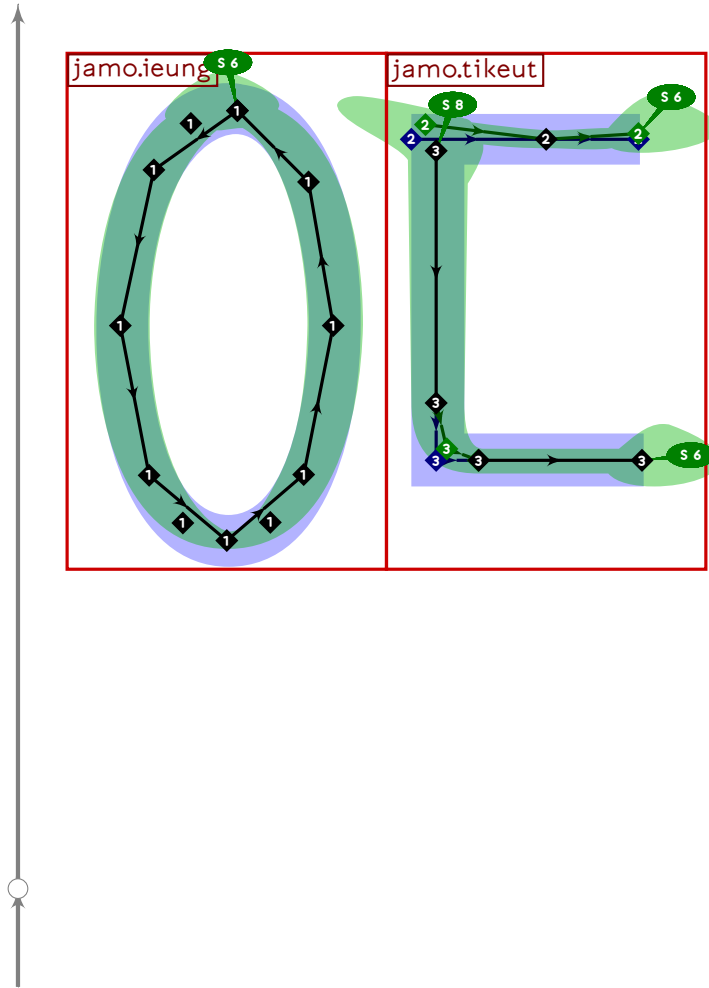
```
445 % hangul lead pansios
446 begintsuglyph("uni1140.lj1",64);
447   hangul.jamo.pansios(whatever,lixf,loxf);
448   tsu_render;
449 endtsuglyph;
450
```

U+FF341
mande.uni1141.lj1

FF3



```
451 % hangul lead ieung-kiyeok
452 beginsuglyph("uni1141.lj1",65);
453 hangul.combine.lr(111,100)(whatever,lixf,loxf);
454 tsu_render;
455 endsuglyph;
456
```

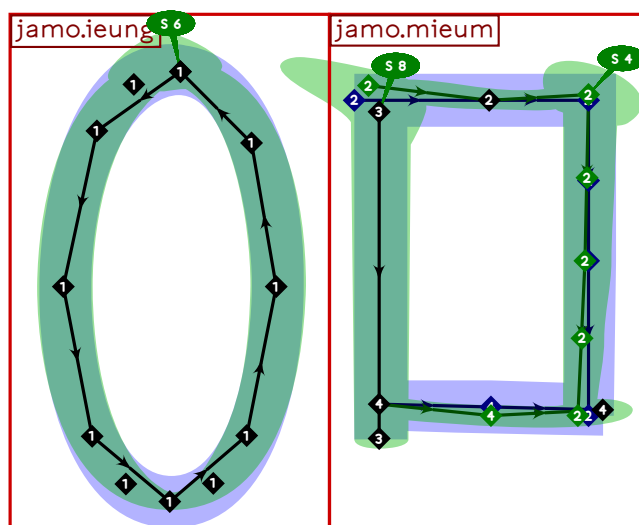
```

457 % hangul lead ieung-tikeut
458 begintsuglyph("uni1142.lj1",66);
459 hangul.combine.lr(111,103)(whatever,lixf,loxf);
460 tsu_render;
461 endtsuglyph;
462

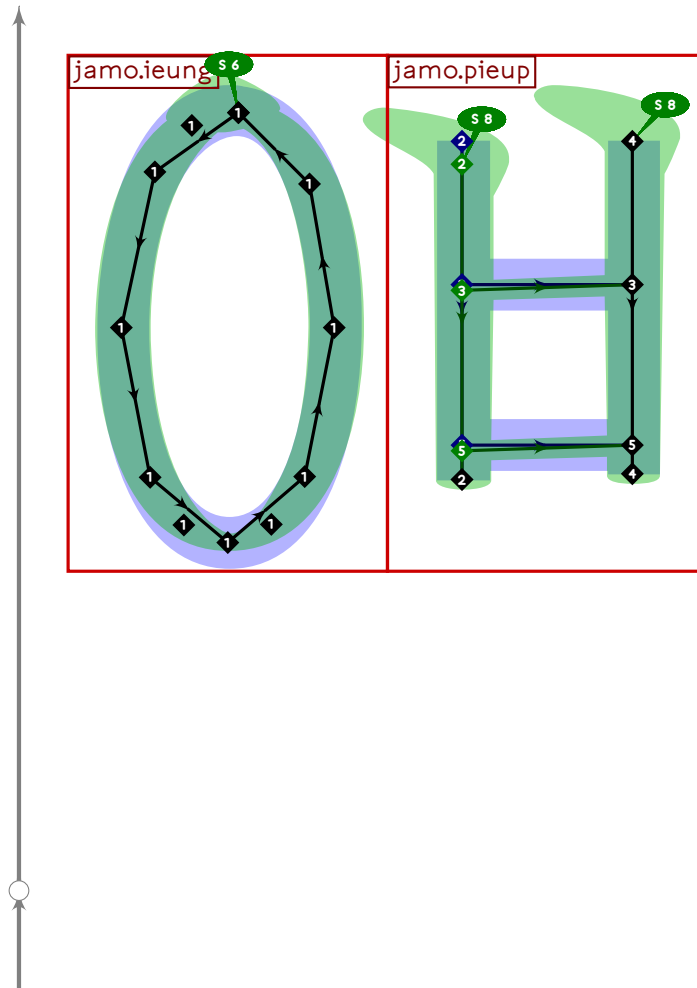
```

U+FF343
mande.uni1143.lj1

FF3



```
463 % hangul lead ieung-mieum
464 begintsuglyph("uni1143.lj1",67);
465   hangul.combine.lr(111,106)(whatever,lixf,loxf);
466   tsu_render;
467 endtsuglyph;
468
```



FF3

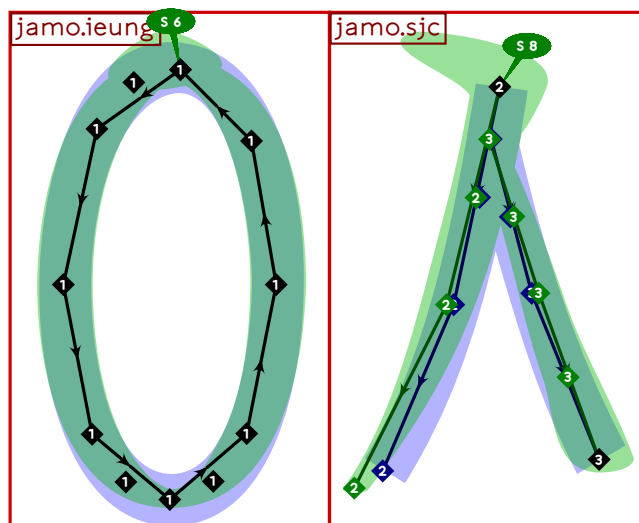
```

469 % hangul lead ieung-pieup
470 begintsuglyph("uni1144.lj1",68);
471 hangul.combine.lr(111,107)(whatever,lixf,loxf);
472 tsu_render;
473 endtsuglyph;
474

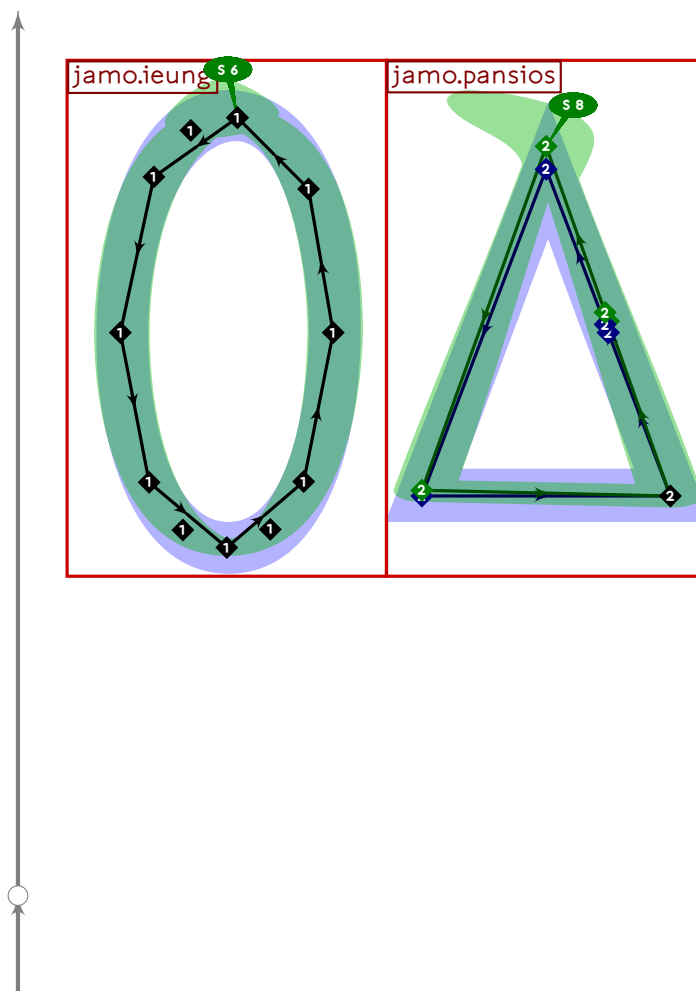
```

U+FF345
mande.uni1145.lj1

FF3



```
475 % hangul lead ieung-sios
476 begintsuglyph("uni1145.lj1",69);
477 hangul.combine.lr(111,109)(whatever,lixf,loxf);
478 tsu_render;
479 endtsuglyph;
480
```



FF3

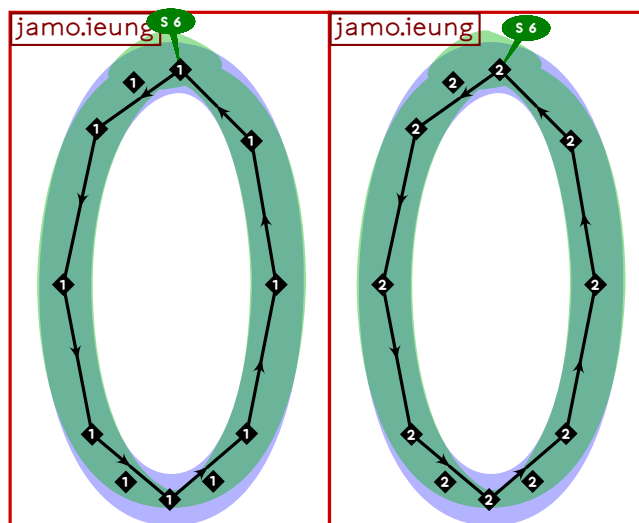
```

481 % hangul lead ieung-pansios
482 begintsuglyph("uni1146.lj1",70);
483   hangul.combine.lr(111,219)(whatever,lixf,loxf);
484   tsu_render;
485 endtsuglyph;
486

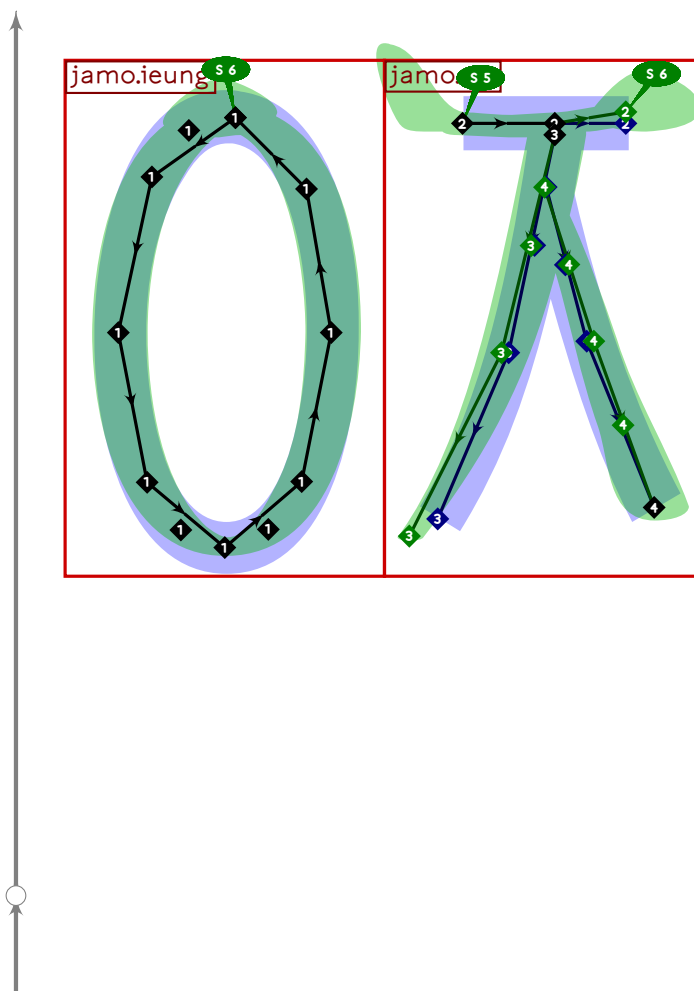
```

U+FF347
mande.uni1147.lj1

FF3



```
487 % hangul lead ssangieung
488 begint Suglyph("uni1147.lj1";71);
489 hangul.combine.lr(111,111)(whatever,lixf,loxf);
490 tsu_render;
491 endtsuglyph;
492
```



FF3

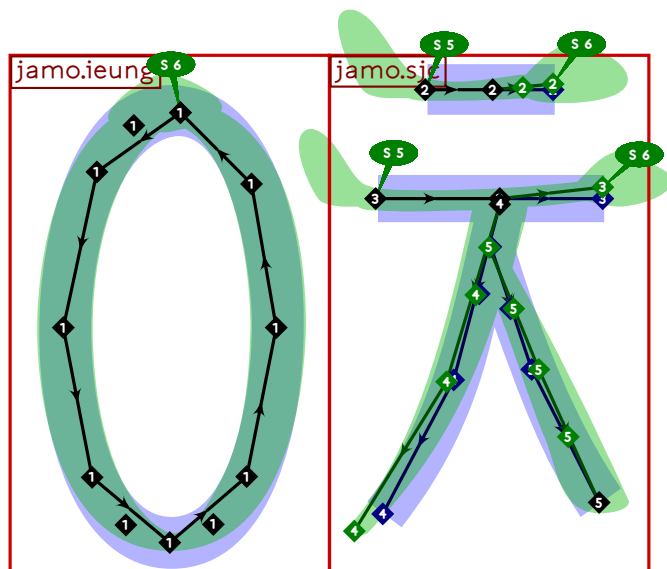
```

493 % hangul lead ieung-cieuc
494 begintsuglyph("uni1148.lj1",72);
495   hangul.combine.lr(111,112)(whatever,lixf,loxf);
496   tsu_render;
497 endtsuglyph;
498

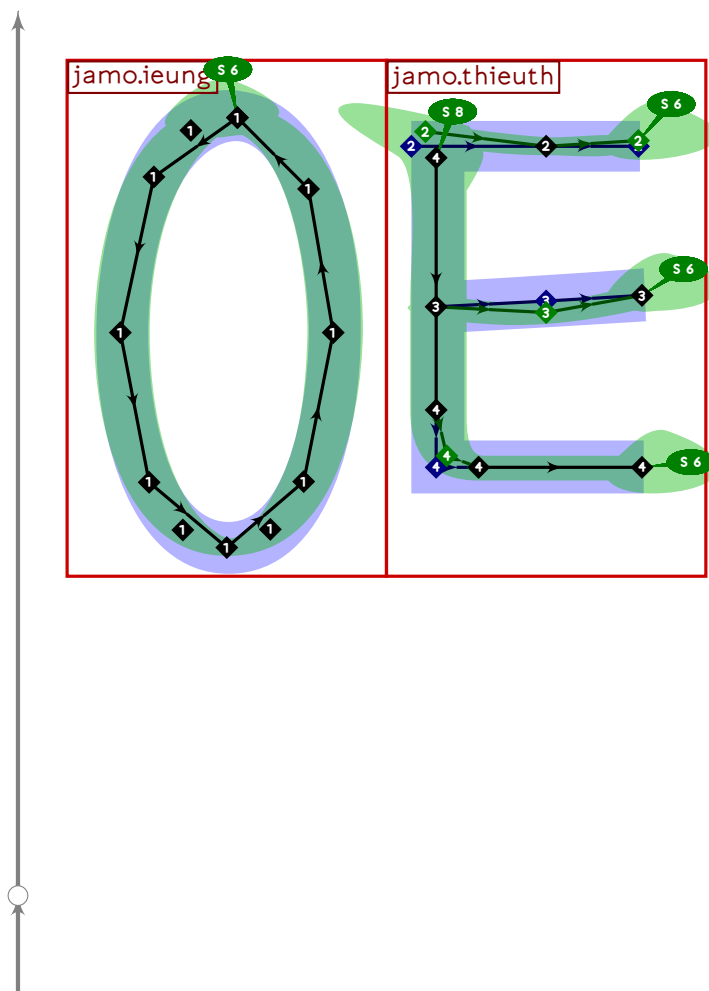
```

U+FF349
mande.uni1149.lj1

FF3



```
499 % hangul lead ieung-chieuch
500 begintsuglyph("uni1149.lj1",73);
501   hangul.combine.lr(111,114)(whatever,lixf,loxf);
502   tsu_render;
503 endtsuglyph;
504
```

FF3

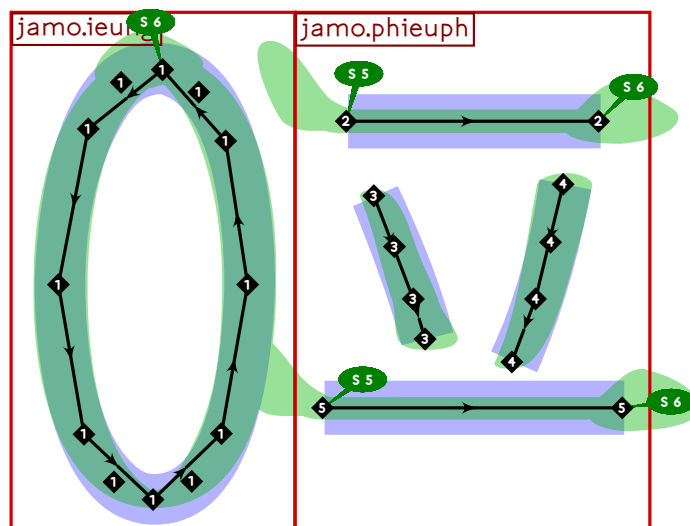
```

505 % hangul lead ieung-theiuth
506 begint Suglyph("uni114A.lj1",74);
507   hangul.combine.lr(111,116)(whatever,lixf,loxf);
508   tsu_render;
509 endtsuglyph;
510

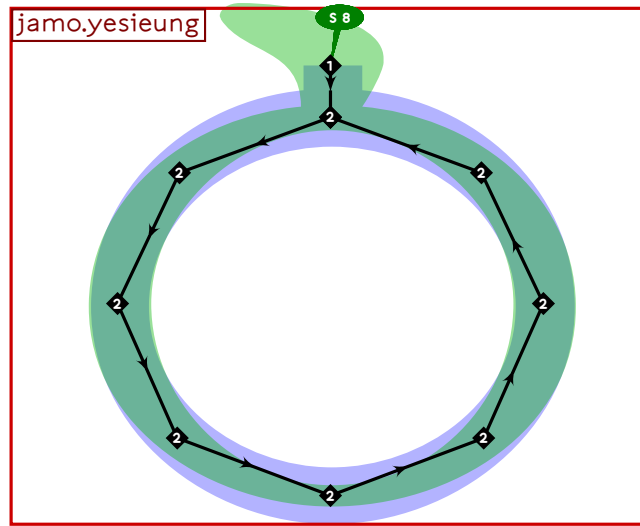
```

U+FF34B
mande.uni114B.lj1

FF3



```
511 % hangul lead ieung-phieuph
512 begintsuglyph("uni114B.lj1";75);
513   hangul.combine.lr(111,117)(whatever,lixf,loxf);
514   tsu_render;
515 endtsuglyph;
516
```

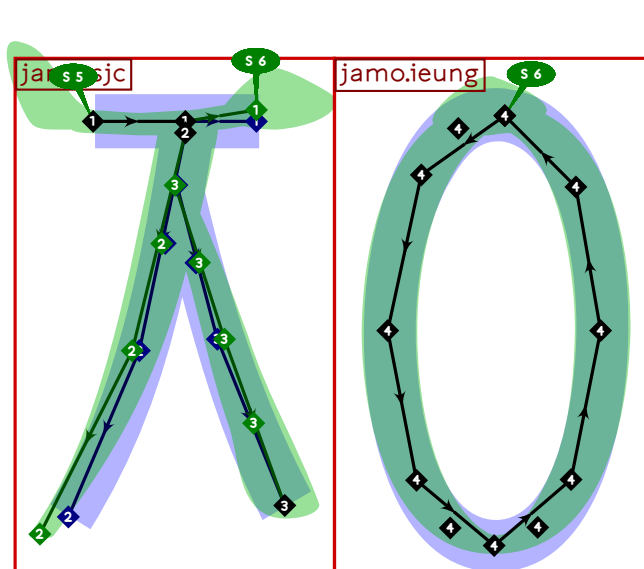


FF3

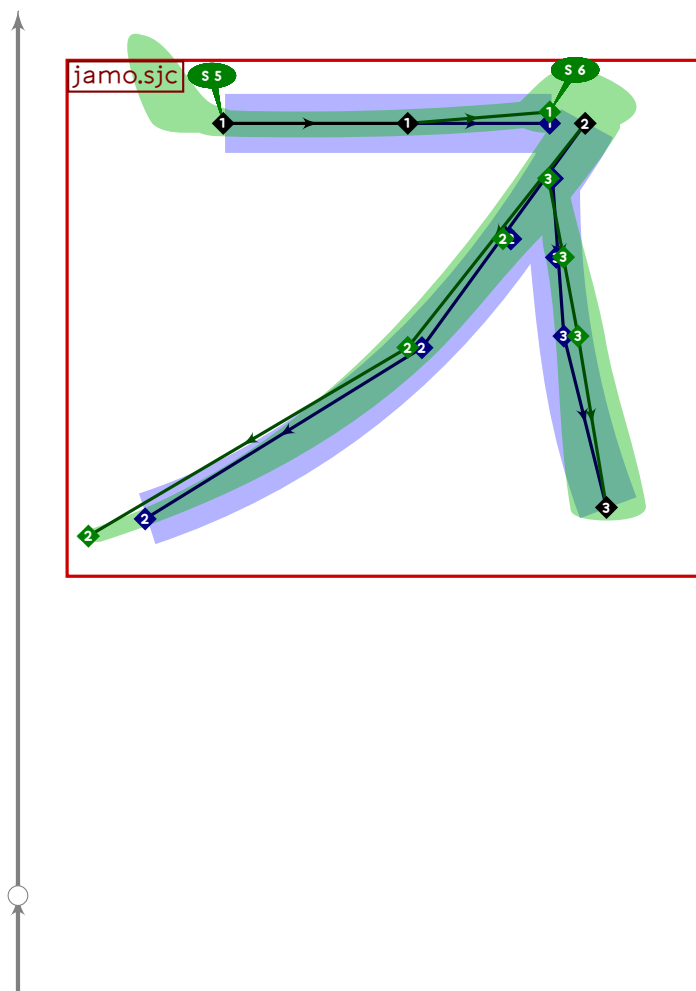
```
517 % hangul lead yesieung
518 begint Suglyph("uni114C.lj1",76);
519 hangul.jamo.yesieung(whatever,lixf,loxf);
520 tsu_render;
521 endtsuglyph;
522
```

U+FF34D
mande.uni114D.lj1

FF3



```
523 % hangul lead cieuc-ieung
524 begintsuglyph("uni114D.lj1";77);
525   hangul.combine.lr(112,111)(whatever,lixf,loxf);
526   tsu_render;
527 endtsuglyph;
528
```



FF3

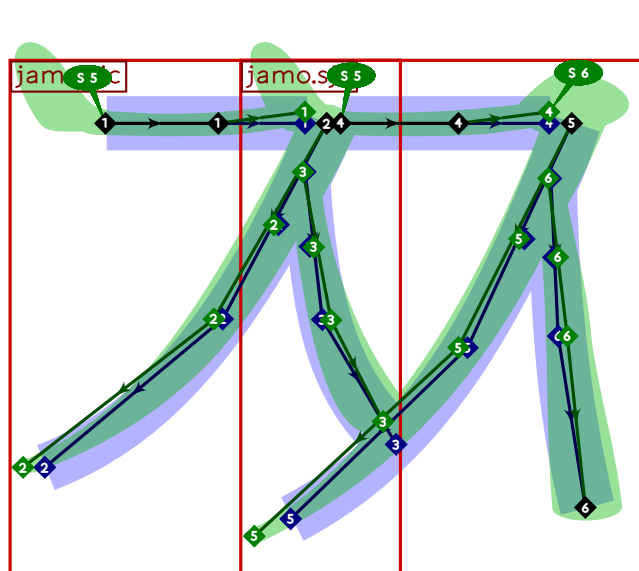
```

529 % hangul lead chitueumcieuc
530 begint Suglyph("uni114E.lj1",78);
531   hangul.jamo.sjc(1,1,false)(whatever,lixf,loxf);
532   tsu_render;
533 endtsuglyph;
534

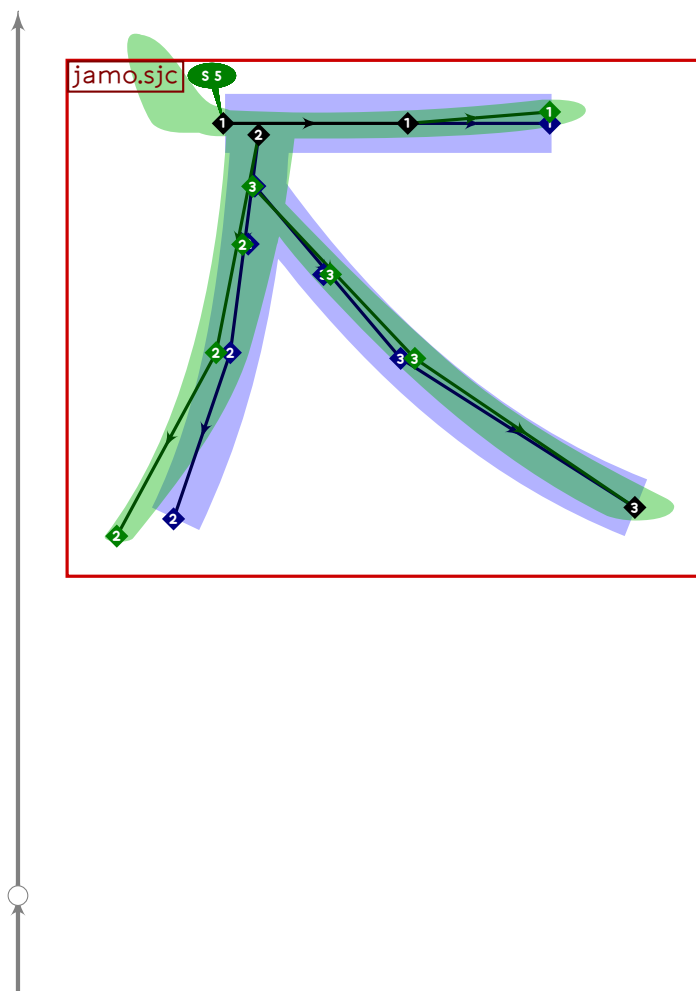
```

U+FF34F
mande.uni114F.lj1

FF3



```
535 % hangul lead chitueumssangcieuc
536 begint Suglyph("uni114F.lj1",79);
537   hangul.combine.lr(227,226)(whatever,lixf,loxf);
538   tsu_render;
539 endtsuglyph;
540
```

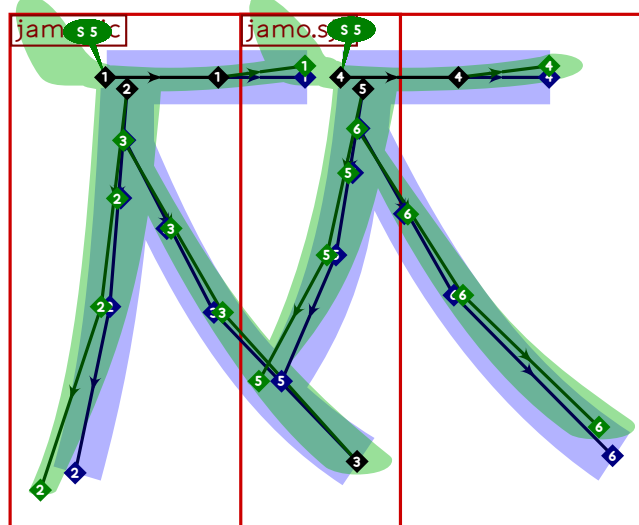


FF3

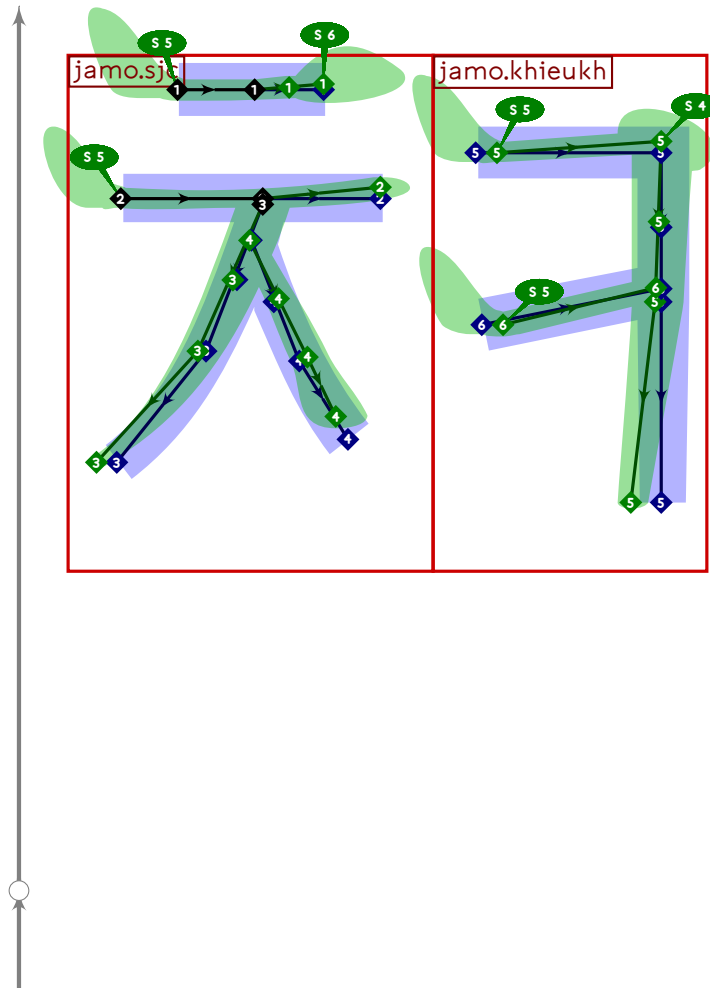
```
541 % hangul lead ceongchieumcieuc
542 begintsuglyph("uni1150.lj1",80);
543   hangul.jamo.sjc(1,-1,false)(whatever,lixf,loxf);
544   tsu_render;
545 endtsuglyph;
546
```

U+FF351
mande.uni1151.lj1

FF3



```
547 % hangul lead ceongchieumssangcieuc
548 begint Suglyph("uni1151.lj1",81);
549   hangul.combine.lr(228,229)(whatever,lxf,loxf);
550   tsu_render;
551 endtsuglyph;
552
```

FF3

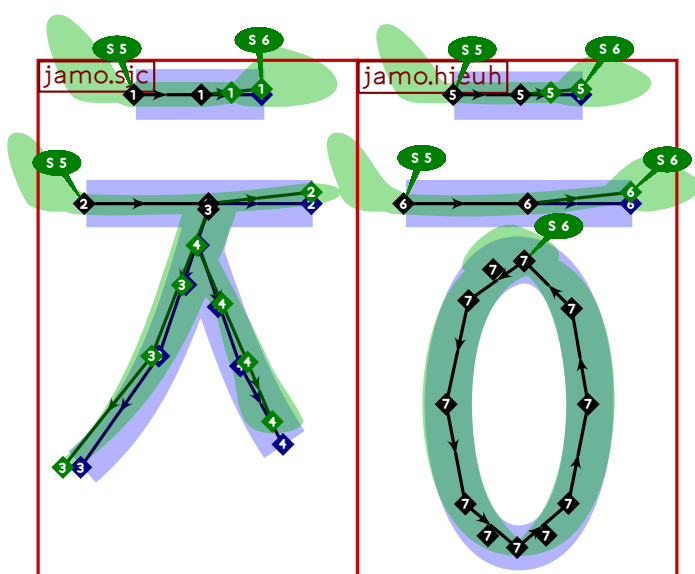
```

553 % hangul lead chieuch-khieukh
554 begint Suglyph("uni1152.lj1";82);
555   hangul.combine.lcr(214,230,115)(whatever,lixf,loxf);
556   tsu_render;
557 endtsuglyph;
558

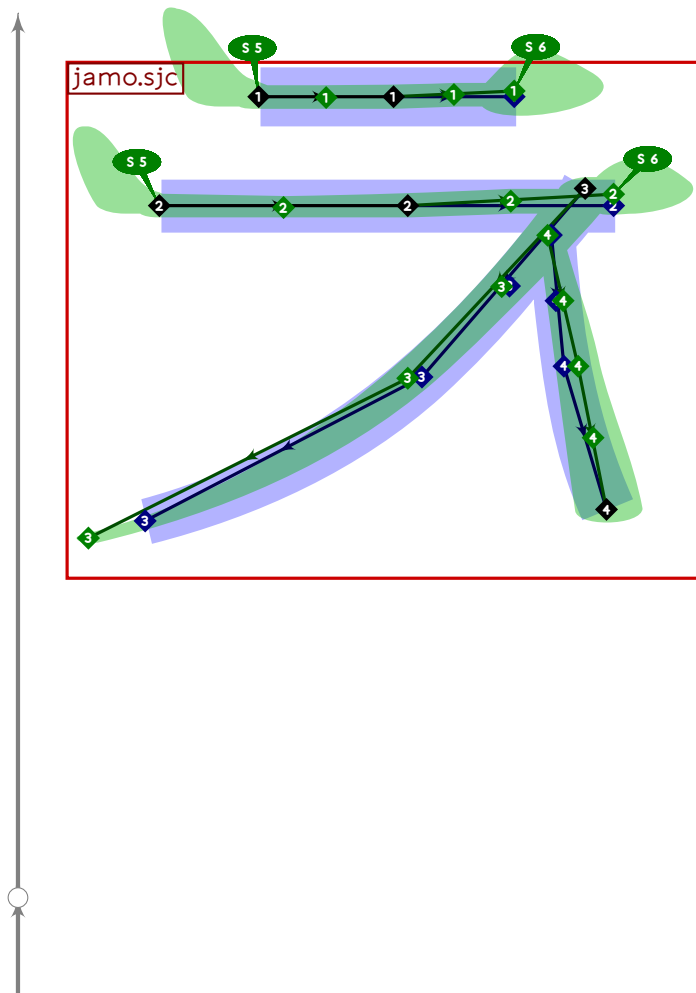
```

U+FF353
mande.uni1153.lj1

FF3



```
559 % hangul lead chieuch-hieuh
560 begintsuglyph("uni1153.lj1",83);
561   hangul.combine.lcr(214,230,118)(whatever,lixf,loxf);
562   tsu_render;
563 endtsuglyph;
564
```



FF3

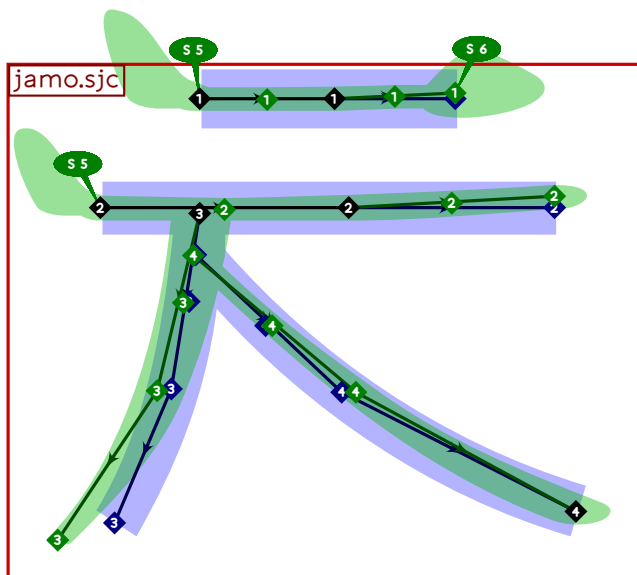
```

565 % hangul lead chitueumcieuc
566 begint Suglyph("uni1154.lj1",84);
567   hangul.jamo.sjc(2,1,false)(whatever,lixf,loxf);
568   tsu_render;
569 endtsuglyph;
570

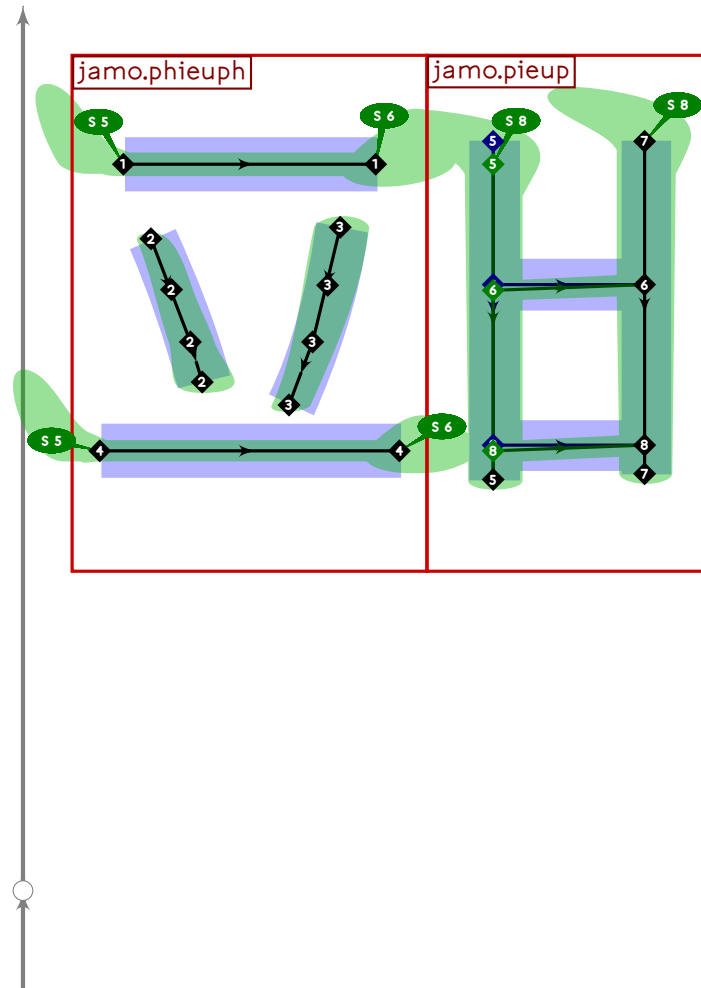
```

U+FF355
mande.uni1155.lj1

FF3



```
571 % hangul lead ceongchieumcieuc
572 begintsuglyph("uni1155.lj1",85);
573   hangul.jamo.sjc(2,-1,false)(whatever,lixf,loxf);
574   tsu_render;
575 endtsuglyph;
576
```



FF3

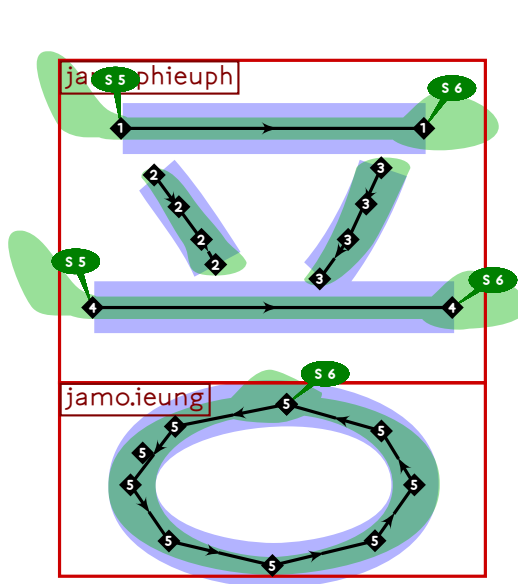
```

577 % hangul lead phieuph-pieup
578 begint Suglyph("uni1156.lj1",86);
579   hangul.combine.lr(117,107)(whatever,lixf,loxf);
580   tsu_render;
581 endtsuglyph;
582

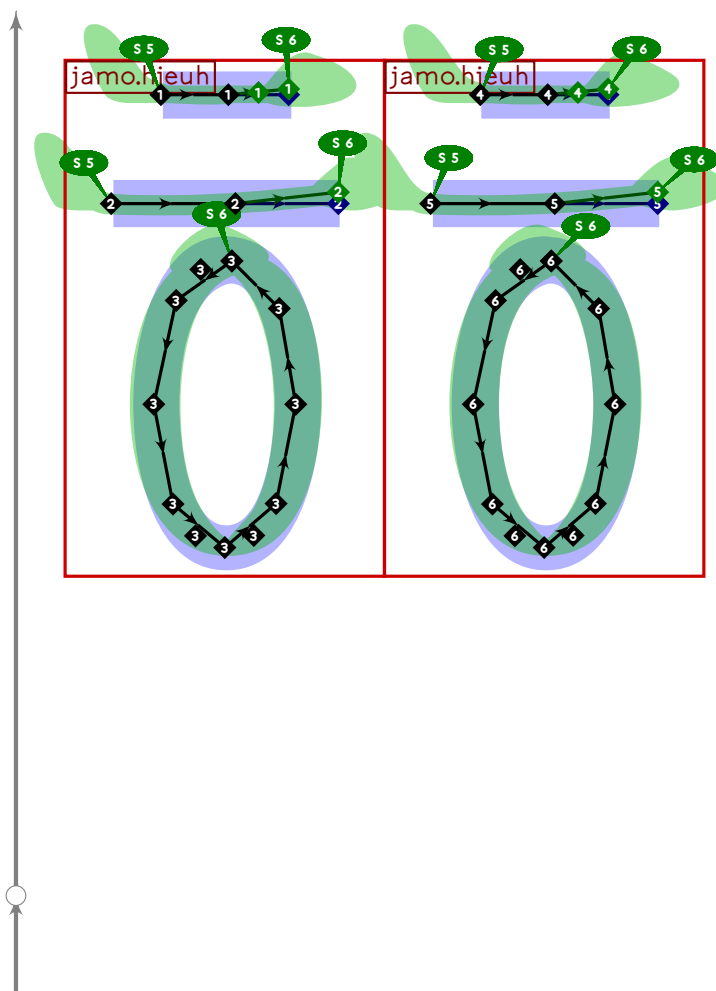
```

U+FF357
mande.uni1157.lj1

FF3



```
583 % hangul lead kapyeounphieuph
584 begintsuglyph("uni1157.lj1";87);
585   hangul.combine.tb(117,521)(whatever,
586     hxf((250,850),(850,-50)) transformed lixf,loxf);
587   tsu_render;
588 endtsuglyph;
589
```



FF3

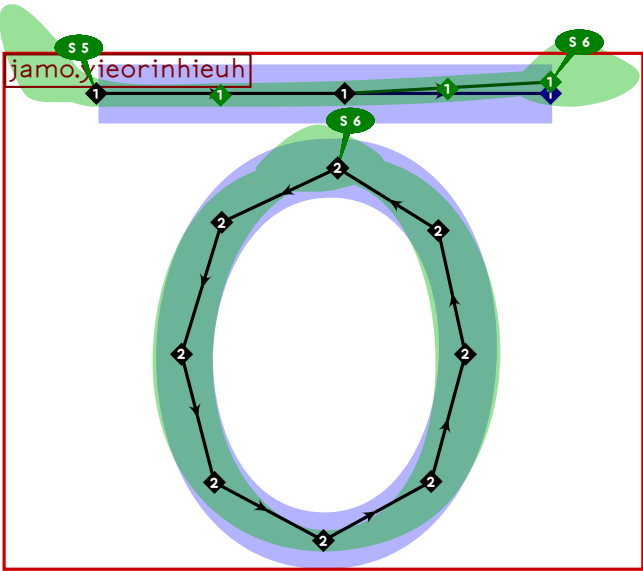
```

590 % hangul lead ssanghieuh
591 begint Suglyph("uni1158.lj1",88);
592   hangul.combine.lcr(118,230,118)(whatever,lixf,loxf);
593   tsu_render;
594 endtsuglyph;
595

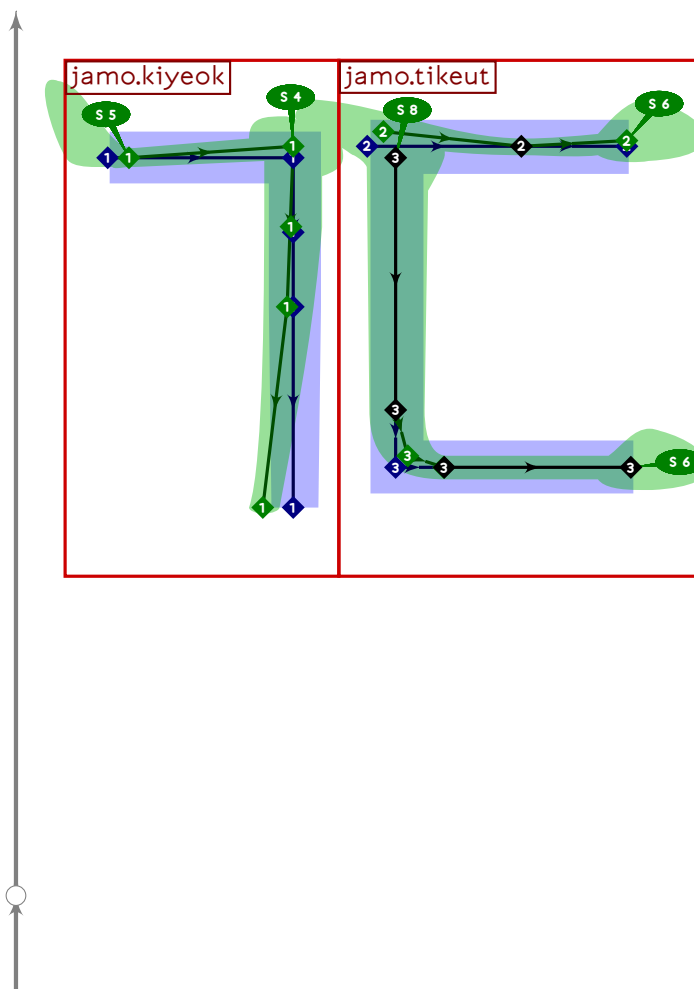
```

U+FF359
mande.uni1159.lj1

FF3



```
596 % hangul lead yeorinhieuh
597 begintsuglyph("uni1159.lj1";89);
598   hangul.jamo.yeorinhieuh(whatever,lixf,loxf);
599   tsu_render;
600 endtsuglyph;
601
```

FF3

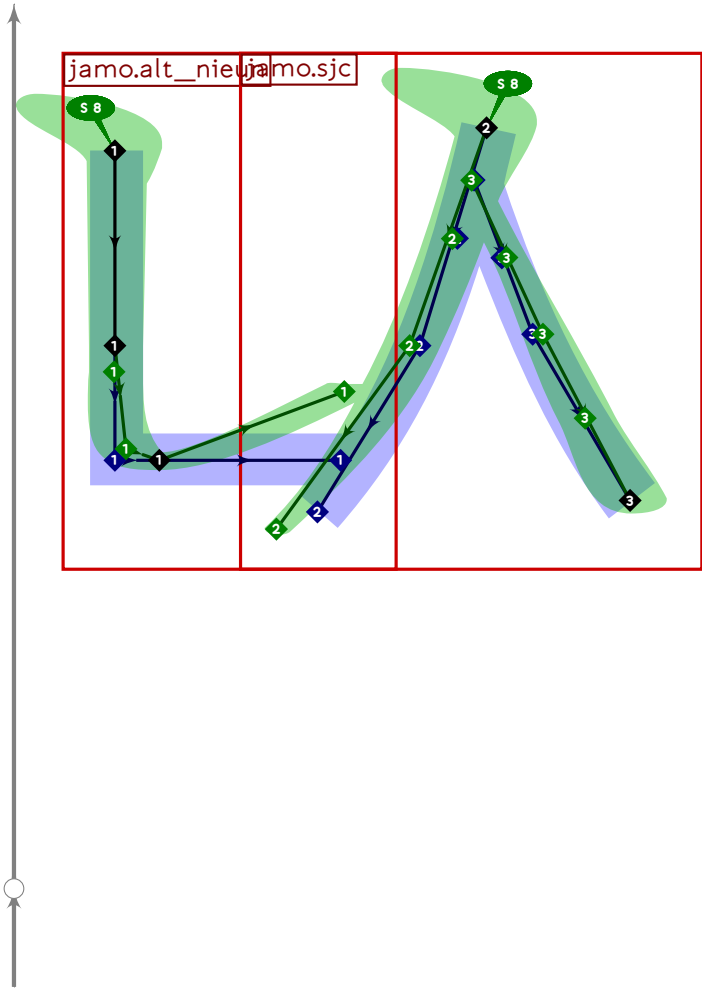
```

602 % hangul lead kiyeok-tikeut
603 begintsuglyph("uni115A.lj1",90);
604   hangul.combine.lr(100,103)(whatever,lixf,loxf);
605   tsu_render;
606 endtsuglyph;
607

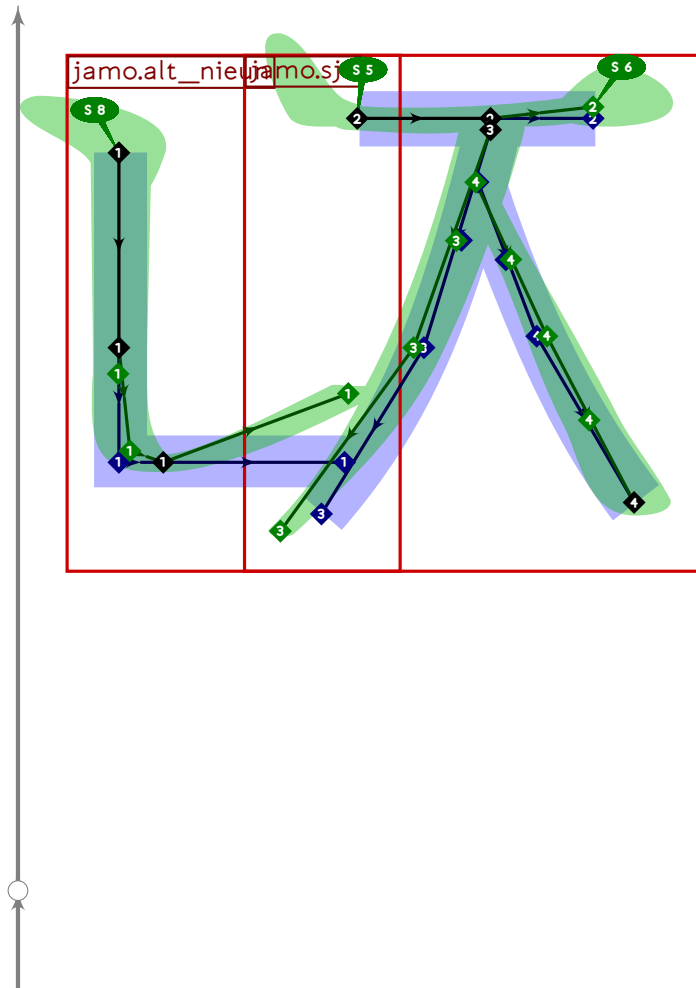
```

U+FF35B
mande.uni115B.lj1

FF3



```
608 % hangul lead nieun-sios
609 begintsuglyph("uni115B.lj1",91);
610   hangul.combine.lr(202,109)(whatever,lixf,loxf);
611   tsu_render;
612 endsuglyph;
613
```



FF3

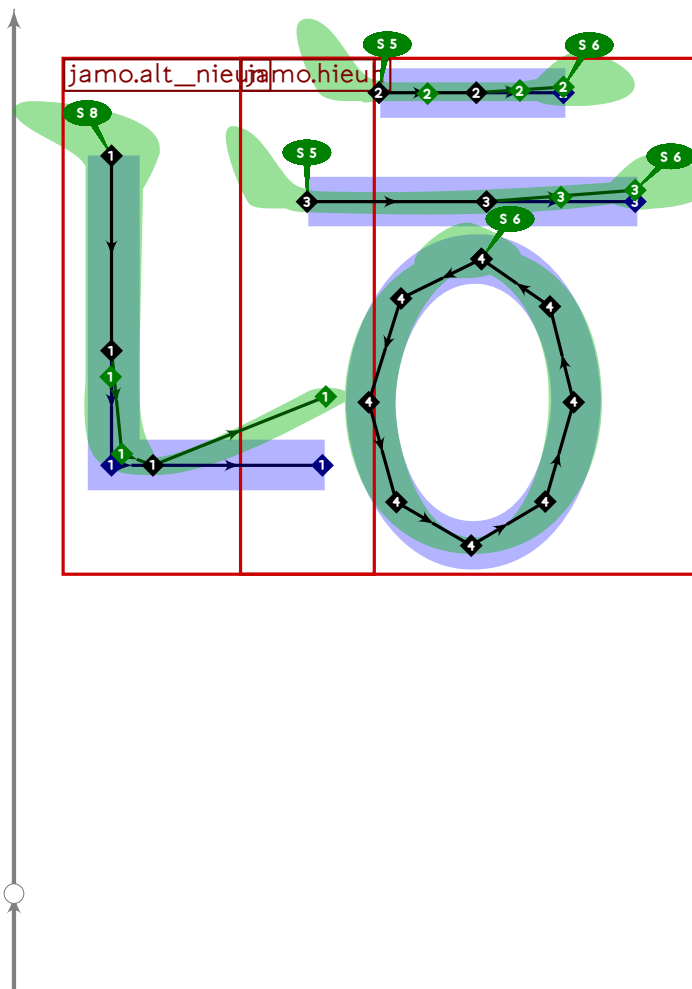
```

614 % hangul lead nieun-cieuc
615 begintsuglyph("uni115C.lj1"92);
616   hangul.combine.lr(202,112)(whatever,lixf,loxf);
617   tsu_render;
618 endtsuglyph;
619

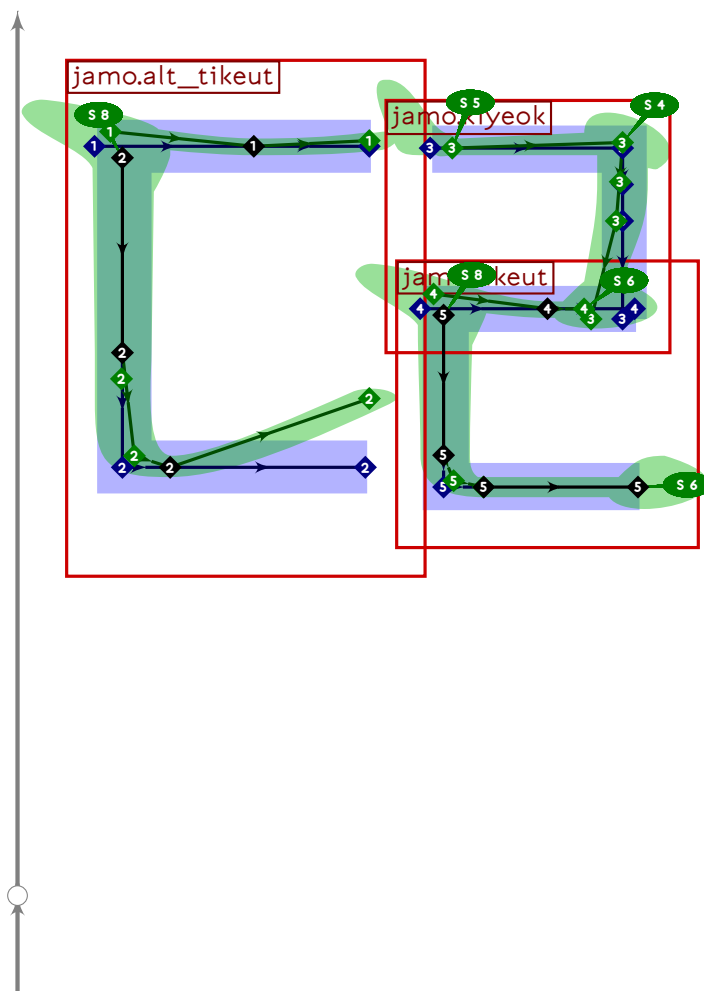
```

U+FF35D
mande.uni115D.lj1

FF3



```
620 % hangul lead nieun-hieuh
621 begintsuglyph("uni115D.lj1";93);
622   hangul.combine.lr(202,118)(whatever,lixf,loxf);
623   tsu_render;
624 endtsuglyph;
625
```



FF3

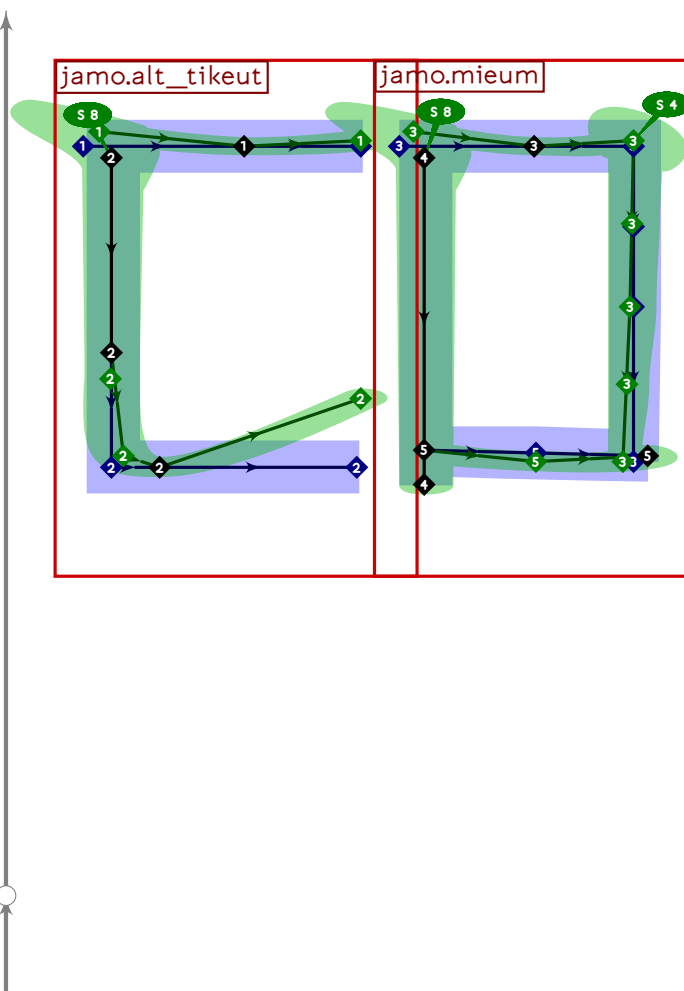
```

626 % hangul lead tikeut-rieul
627 begintsuglyph("uni115E.lj1",94);
628 hangul.combine.lr(203,105)(whatever,lixf,loxf);
629 tsu_render;
630 endsuglyph;
631

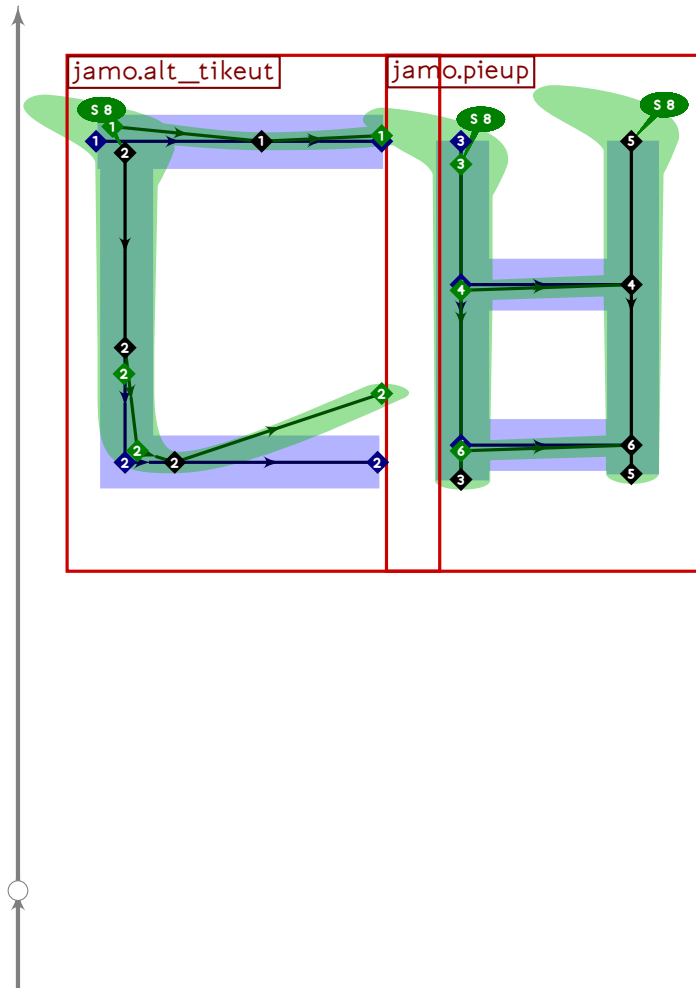
```

U+FF360
mande.uniA960.lj1

FF3



```
632 % hangul lead tikeut-mieum
633 begintsuglyph("uniA960.lj1",96);
634 hangul.combine.lr(203,106)(whatever,lixf,loxf);
635 tsu_render;
636 endsuglyph;
637
```



FF3

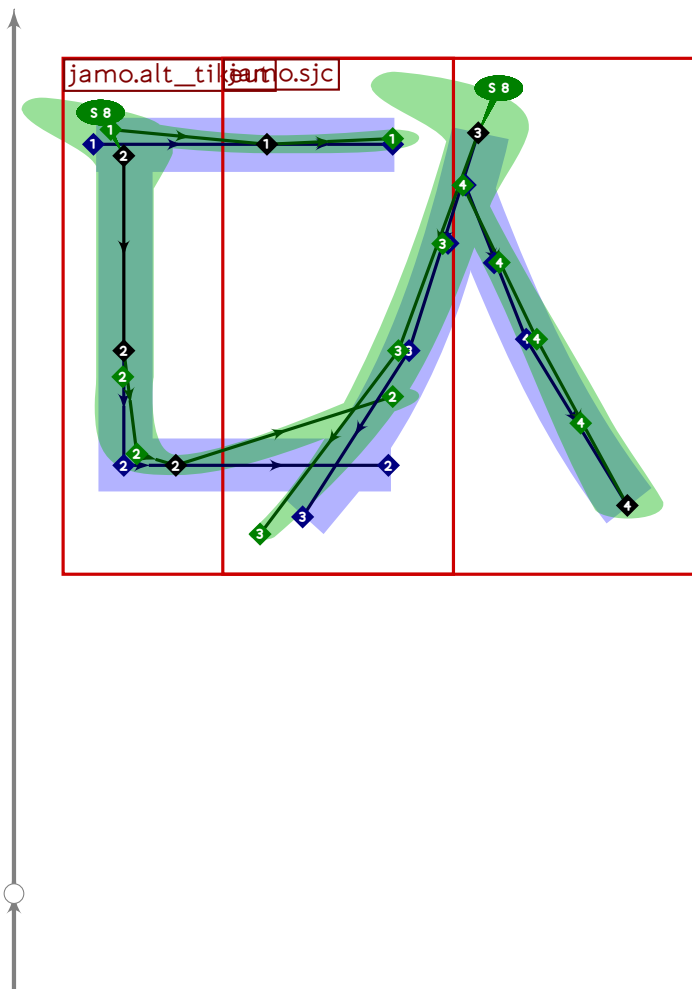
```

638 % hangul lead tikeut-pieup
639 begintsuglyph("uniA961.lj1";97);
640 hangul.combine.lr(203,107)(whatever,lixf,loxf);
641 tsu_render;
642 endsuglyph;
643

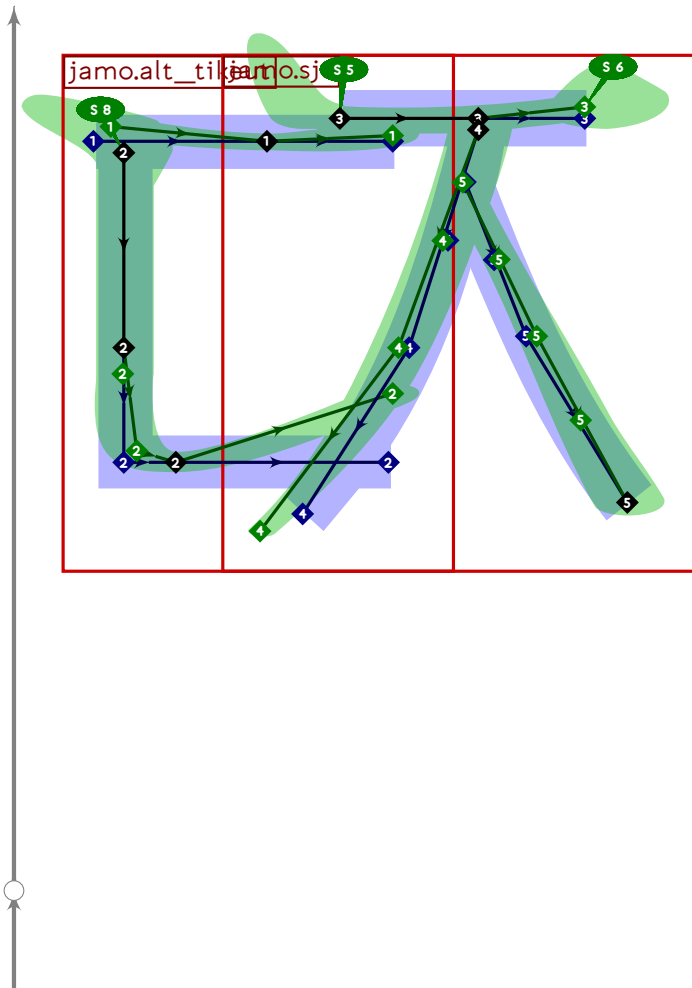
```

U+FF362
mande.uniA962.lj1

FF3



```
644 % hangul lead tikeut-sios
645 begintsuglyph("uniA962.lj1",98);
646   hangul.combine.lr(203,109)(whatever,lixf,loxf);
647   tsu_render;
648 endtsuglyph;
649
```

FF3

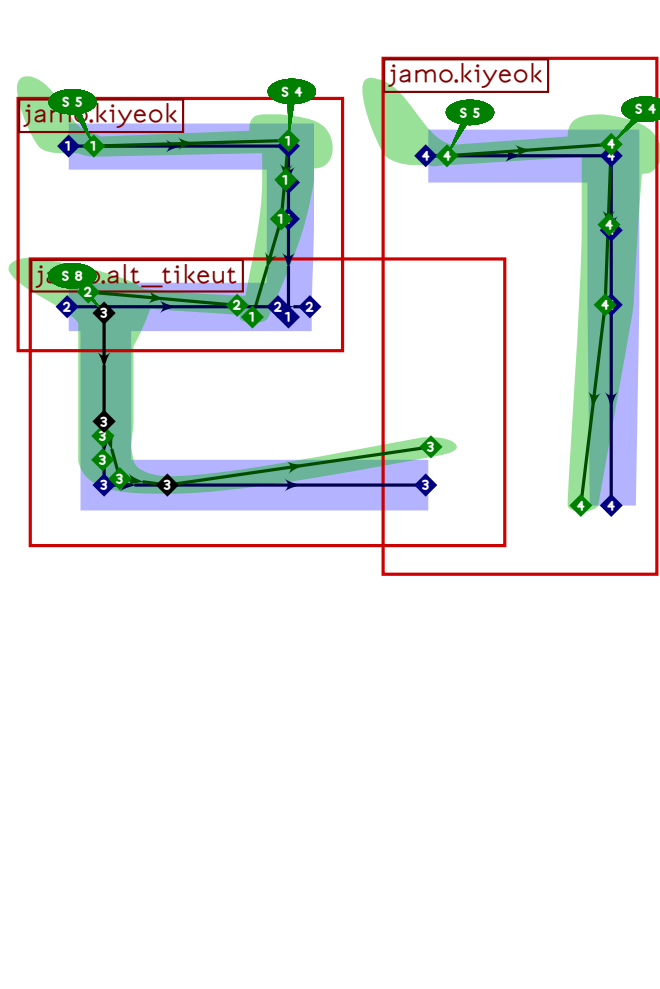
```

650 % hangul lead tikeut-cieuc
651 begintsuglyph("uniA963.lj1";99);
652   hangul.combine.lr(203,112)(whatever,lixf,loxf);
653   tsu_render;
654 endtsuglyph;
655

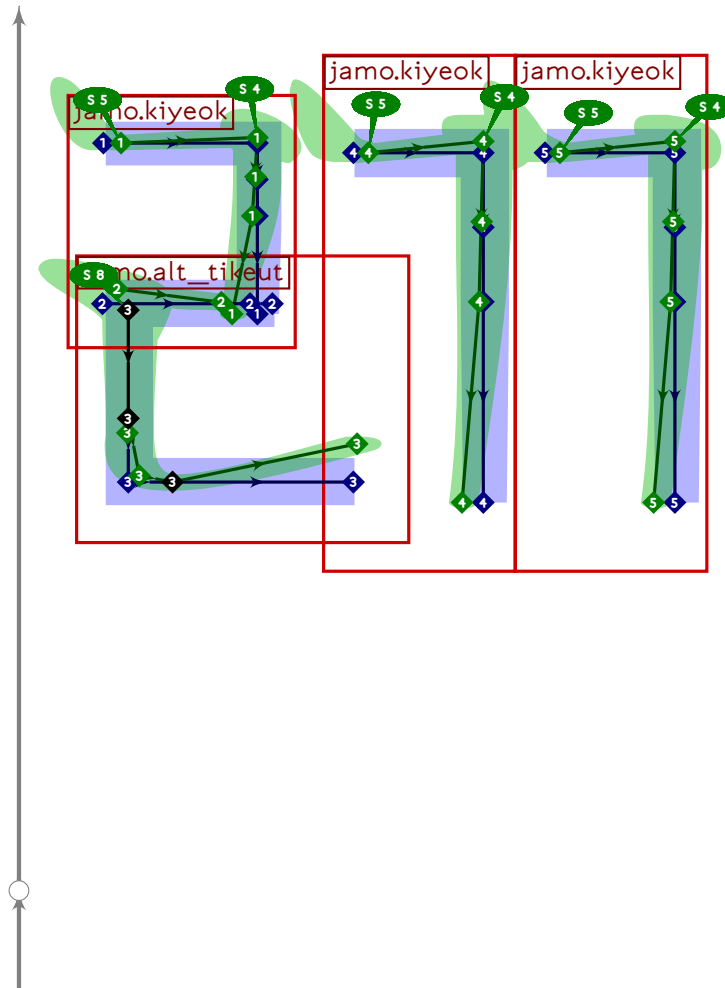
```

U+FF364
mande.uniA964.lj1

FF3



```
656 % hangul lead rieul-kiyeok
657 begintsuglyph("uniA964.lj1",100);
658   hangul.combine.lr(205,100)(whatever,lixf,loxf);
659   tsu_render;
660 endtsuglyph;
661
```



FF3

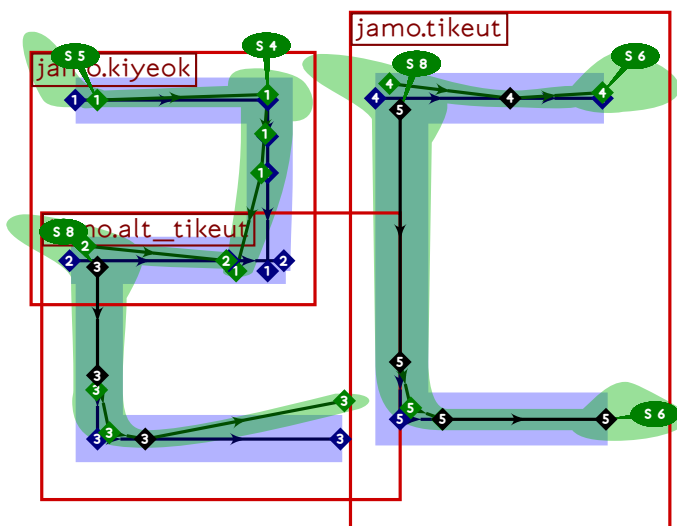
```

662 % hangul lead rieul-ssangkiyeok
663 beginsuglyph("uniA965.lj1",101);
664   hangul.combine.lcr(205,100,100)(whatever,lixf,loxf);
665   tsu_render;
666 endsuglyph;
667

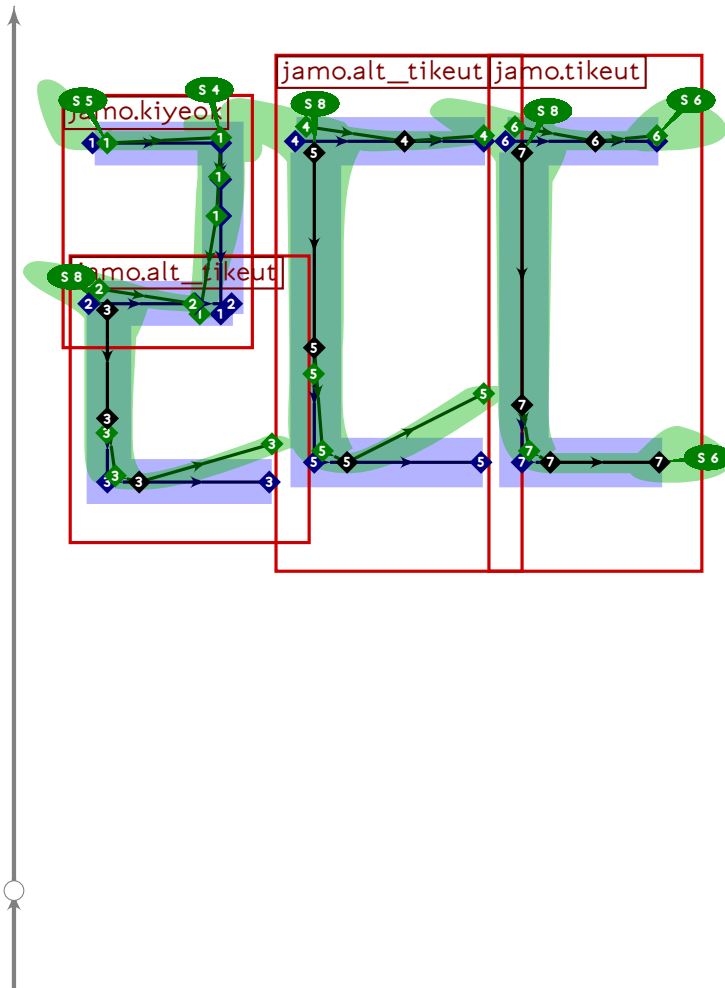
```

U+FF366
mande.uniA966.lj1

FF3



```
668 % hangul lead rieul-tikeut
669 beginsuglyph("uniA966.lj1",102);
670 hangul.combine.lr(205,103)(whatever,lixf,loxf);
671 tsu_render;
672 endsuglyph;
673
```



FF3

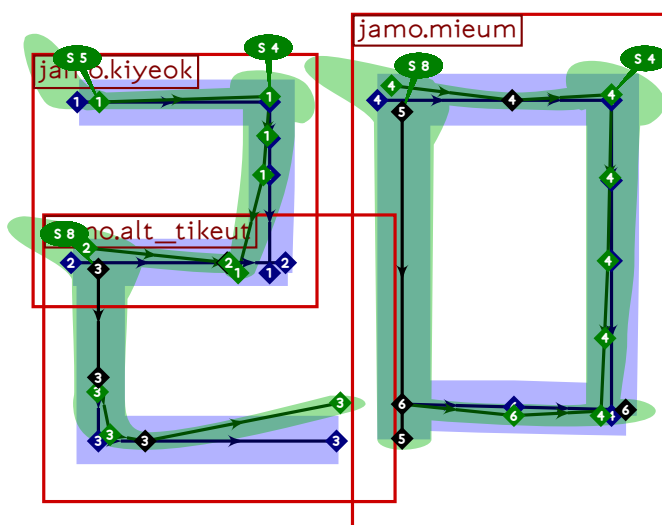
```

674 % hangul lead rieul-ssangtikeut
675 begint Suglyph("uniA967.lj1",103);
676   hangul.combine.lcr(205,203,103)(whatever,lixf,loxf);
677   tsu_render;
678 endtsuglyph;
679

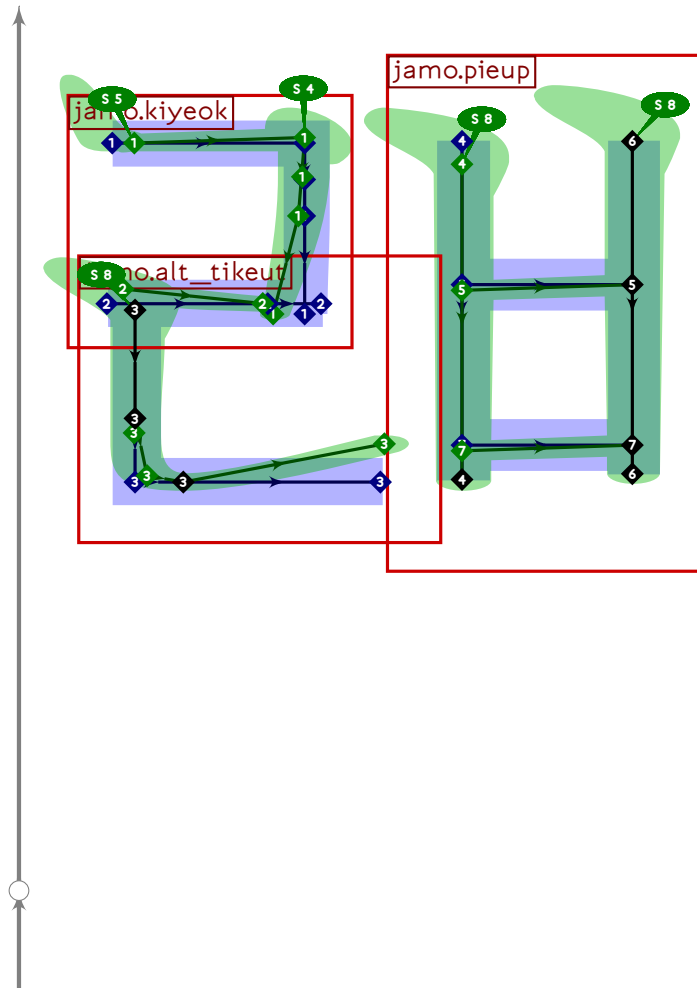
```

U+FF368
mande.uniA968.lj1

FF3



```
680 % hangul lead rieul-mieum
681 begintsuglyph("uniA968.lj1",104);
682   hangul.combine.lr(205,106)(whatever,lixf,loxf);
683   tsu_render;
684 endtsuglyph;
685
```



FF3

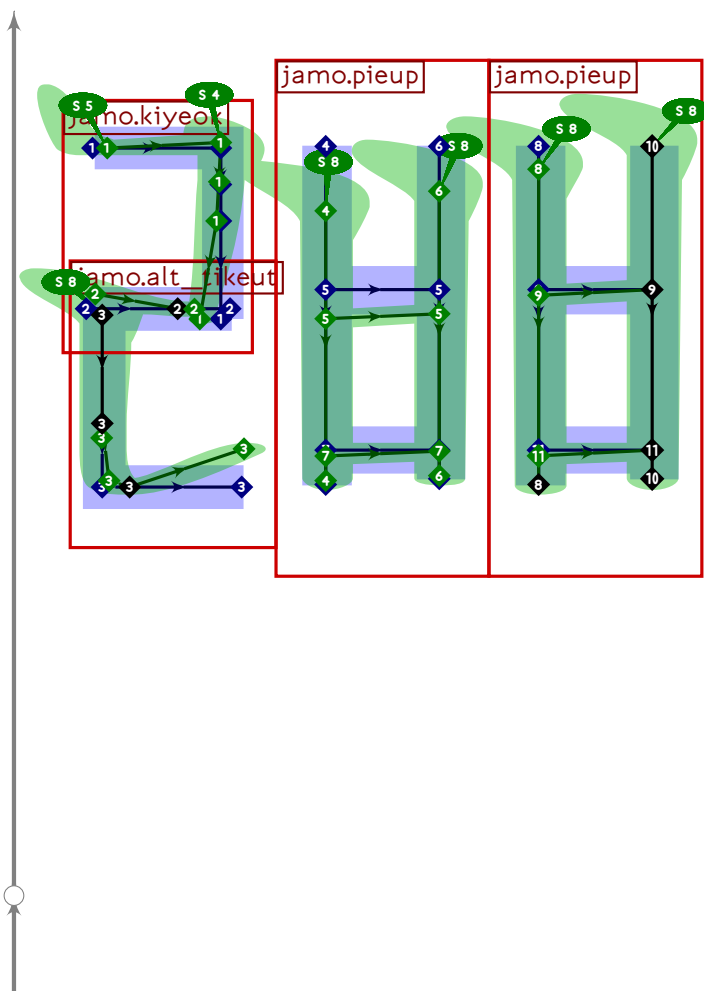
```

686 % hangul lead rieul-pieup
687 begintsuglyph("uniA969.lj1",105);
688   hangul.combine.lr(205,107)(whatever,lixf,loxf);
689   tsu_render;
690 endsuglyph;
691

```

U+FF36A
mande.uniA96A.lj1

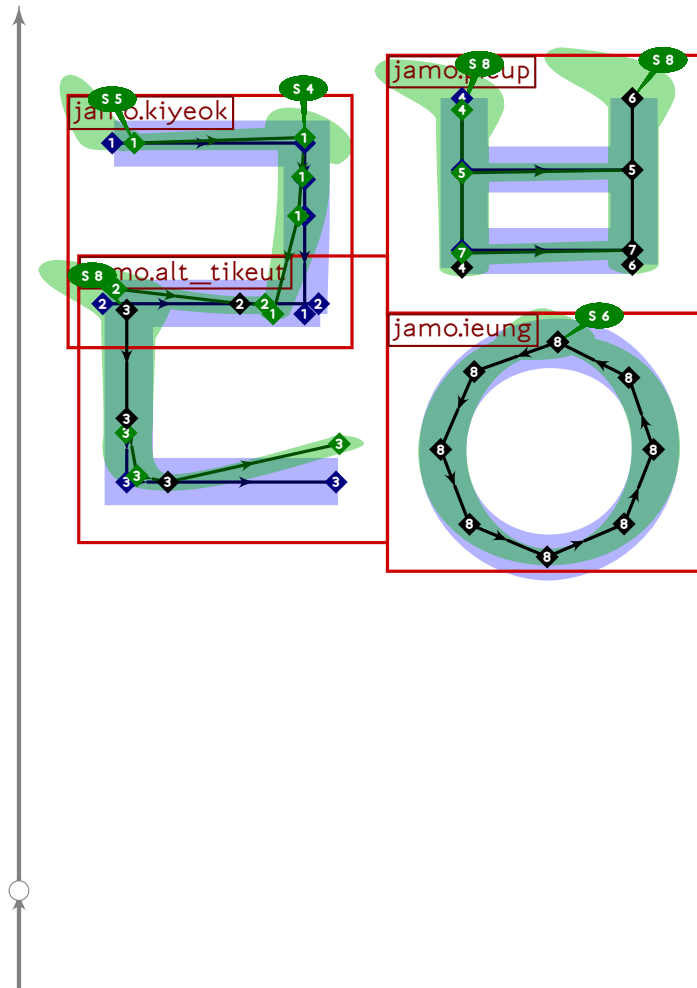
FF3



```

692 % hangul lead rieul-ssangpieup
693 beginsuglyph("uniA96A.lj1";106);
694 hangul.combine.lcr(205,207,107)(whatever,lixf,loxf);
695 tsu_render;
696 endsuglyph;
697

```

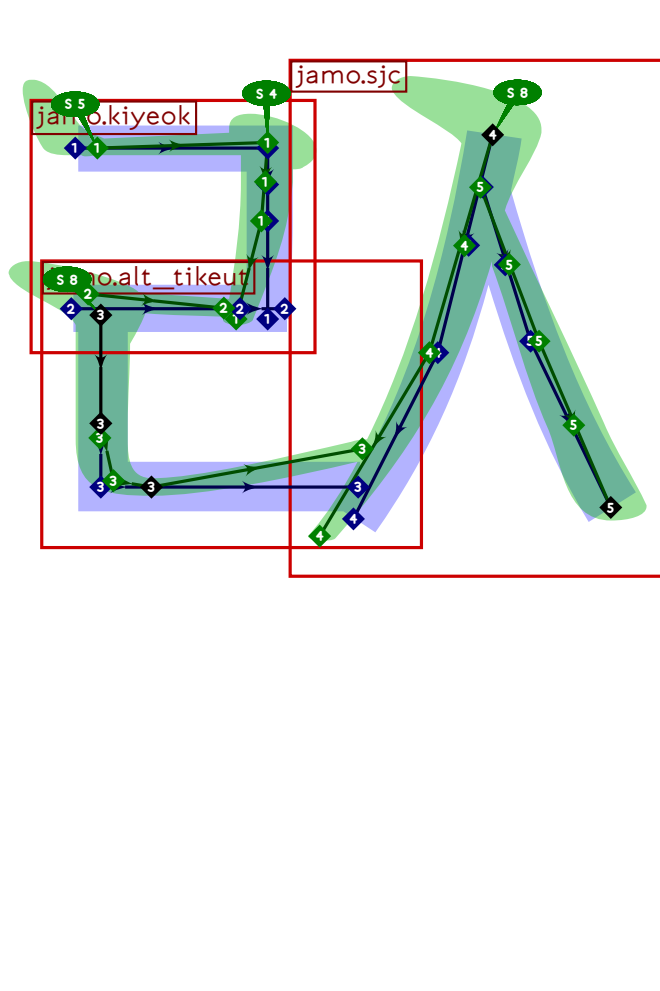
```

698 % hangul lead rieul-kapyeounpieup
699 begintsuglyph("uniA96B.lj1"107);
700   hangul.combine.lr(205,231)(whatever,lixf,loxf);
701   tsu_render;
702 endtsuglyph;
703

```

U+FF36C
mande.uniA96C.lj1

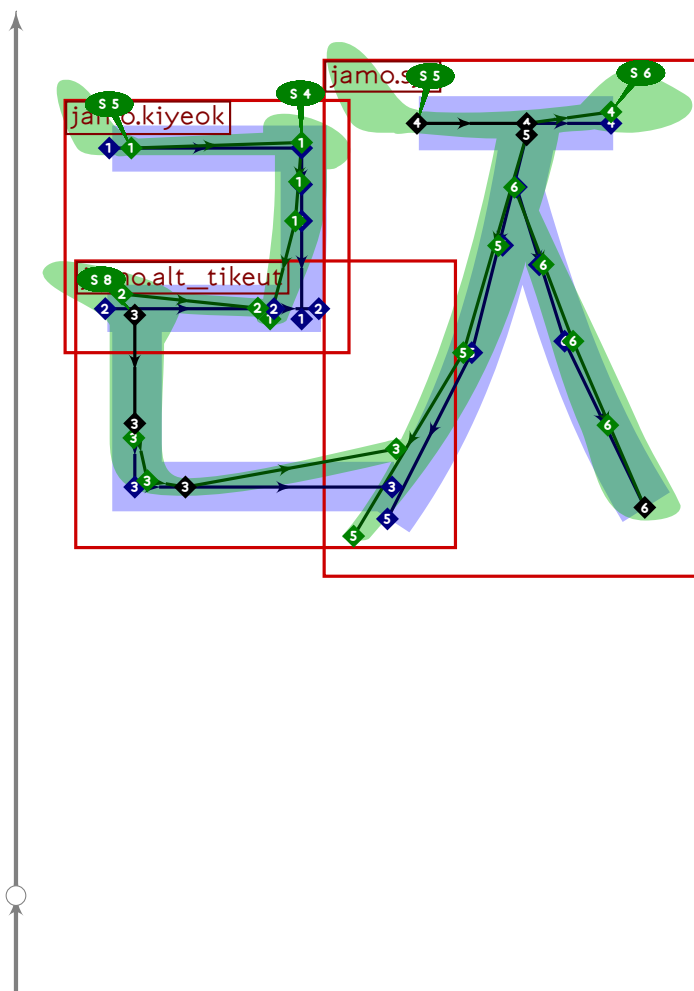
FF3



```

704 % hangul lead rieul-sios
705 begintsuglyph("uniA96C.lj1",108);
706   hangul.combine.lr(205,109)(whatever,lixf,loxf);
707   tsu__render;
708 endtsuglyph;
709

```



FF3

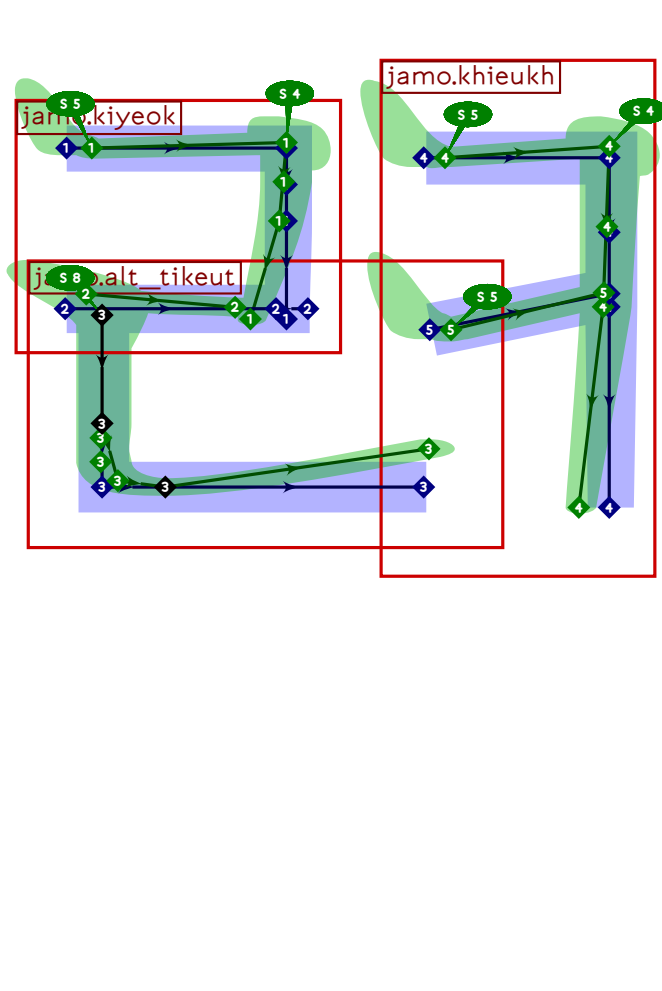
```

710 % hangul lead rieul-cieuc
711 begintsuglyph("uniA96D.lj1",109);
712   hangul.combine.lr(205,112)(whatever,lixf,loxf);
713   tsu_render;
714 endtsuglyph;
715

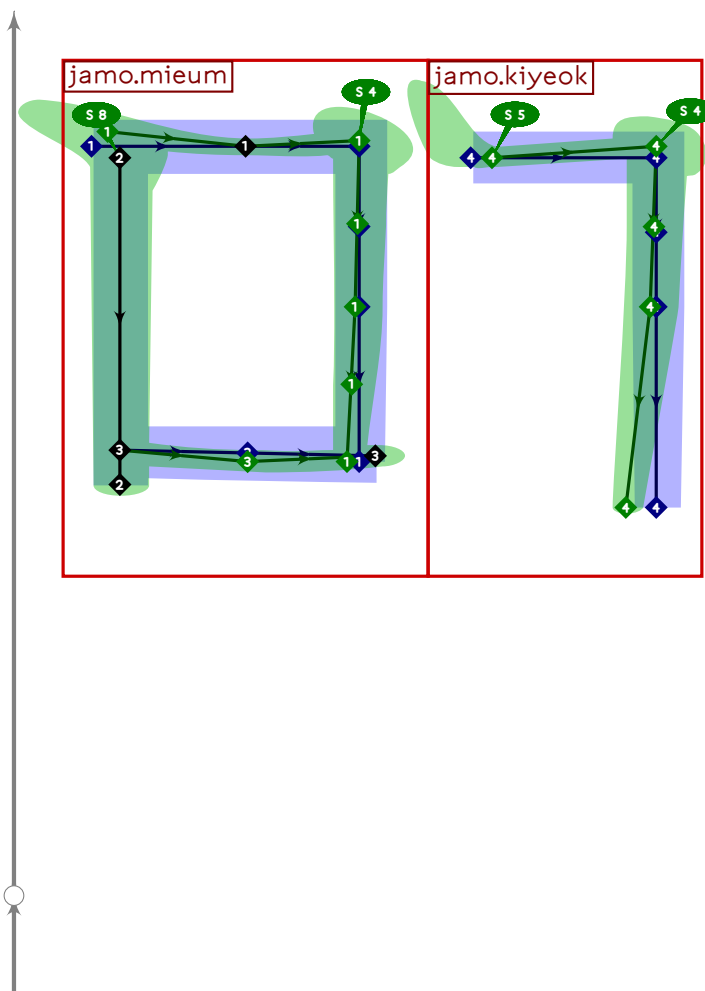
```

U+FF36E
mande.uniA96E.lj1

FF3



```
716 % hangul lead rieul-khieukh
717 begintsuglyph("uniA96E.lj1",110);
718   hangul.combine.lr(205,115)(whatever,lixf,loxf);
719   tsu_render;
720 endsuglyph;
721
```



FF3

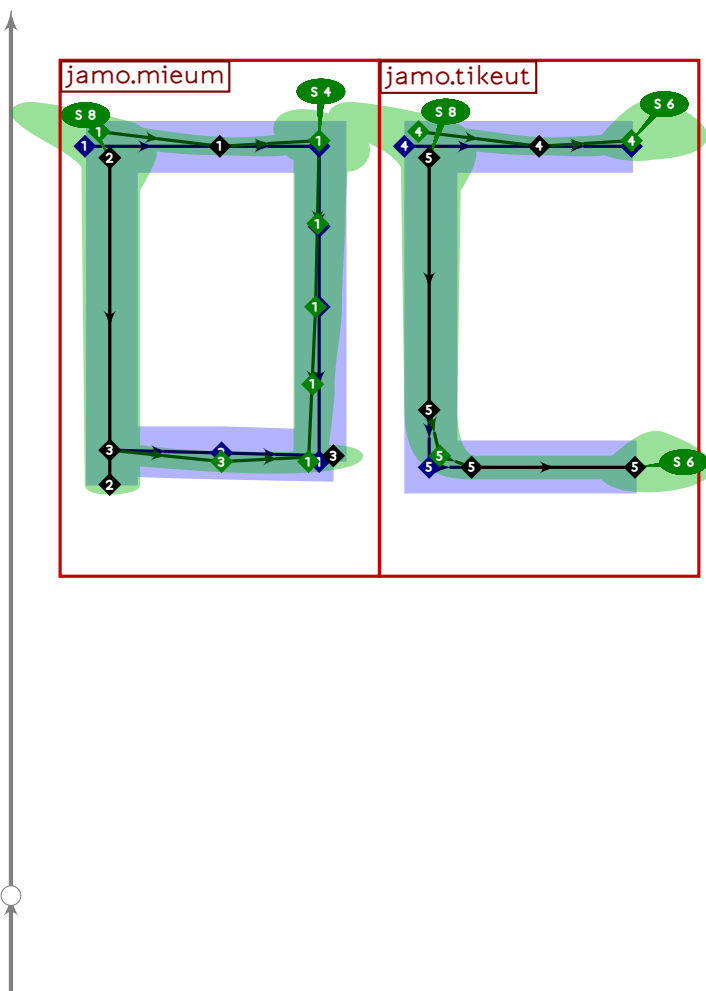
```

722 % hangul lead mieum-kiyeok
723 begintsuglyph("uniA96F.lj1",111);
724   hangul.combine.lr(106,100)(whatever,lixf,loxf);
725   tsu_render;
726 endtsuglyph;
727

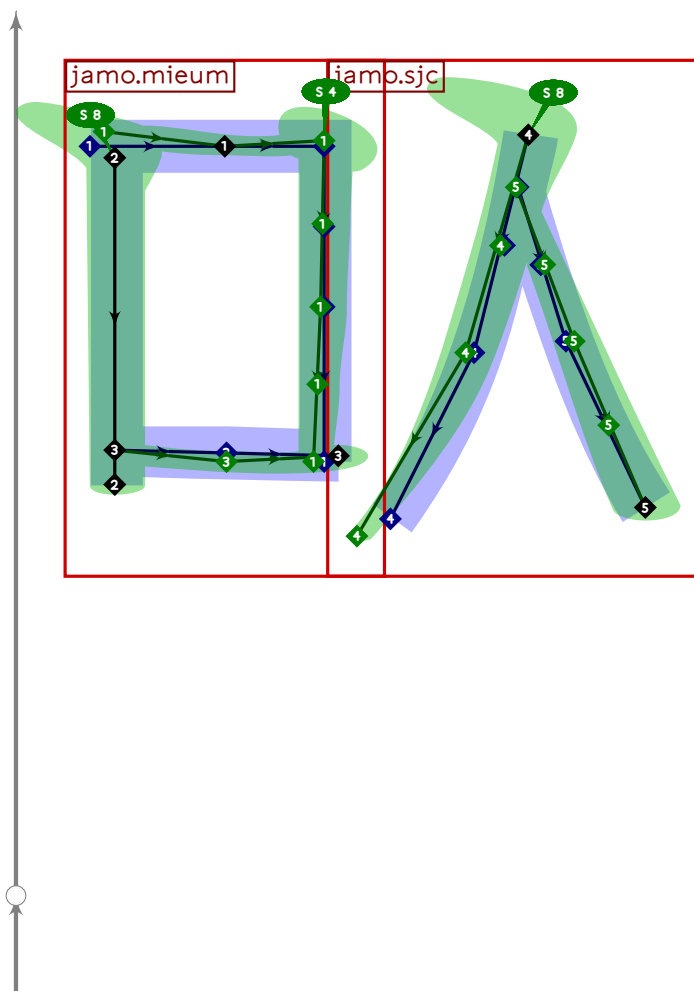
```

U+FF370
mande.uniA970.lj1

FF3



```
728 % hangul lead mieum-tikeut
729 begintsuglyph("uniA970.lj1",112);
730   hangul.combine.lr(106,103)(whatever,lixf,loxf);
731   tsu_render;
732 endtsuglyph;
733
```



FF3

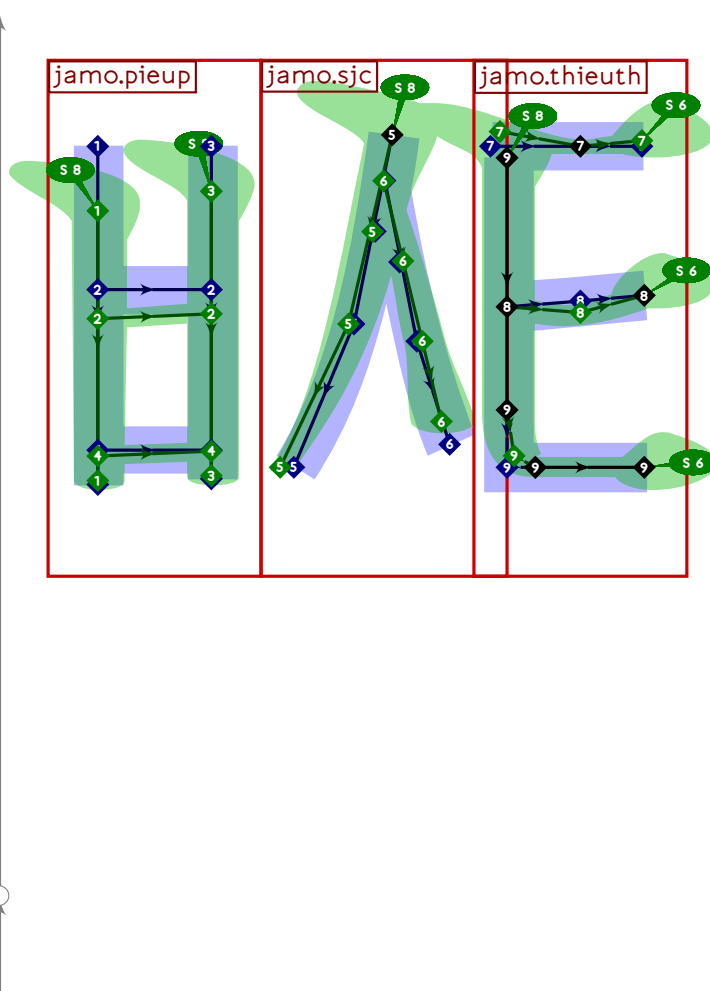
```

734 % hangul lead mieum-sios
735 begintsuglyph("uniA971.lj1",113);
736   hangul.combine.lr(106,109)(whatever,lixf,loxf);
737   tsu_render;
738 endtsuglyph;
739

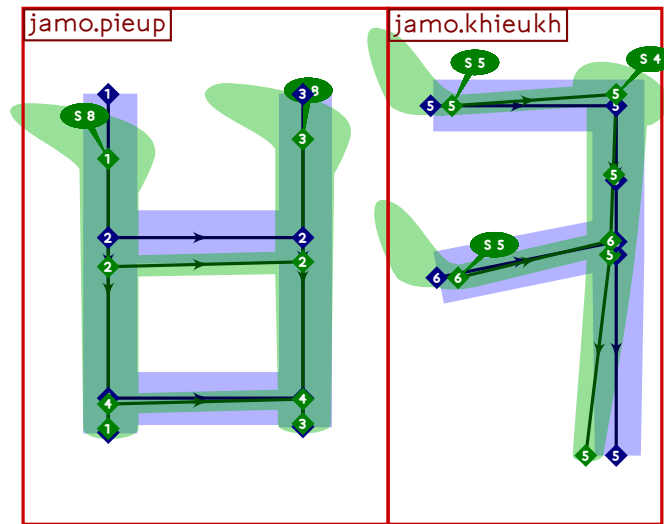
```

U+FF372
mande.uniA972.lj1

FF3



```
740 % hangul lead pieup-sios-thieuth
741 begintsuglyph("uniA972.lj1",114);
742 hangul.combine.lcr(207,209,116)(whatever,lixf,loxf);
743 tsu_render;
744 endsuglyph;
745
```

FF3

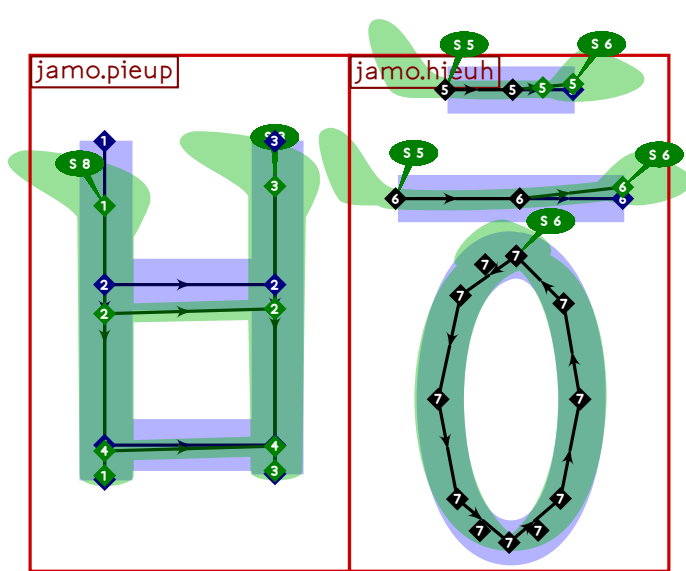
```

746 % hangul lead pieup-khieukh
747 begintsuglyph("uniA973.lj1",115);
748   hangul.combine.lr(207,115)(whatever,lixf,loxf);
749   tsu_render;
750 endsuglyph;
751

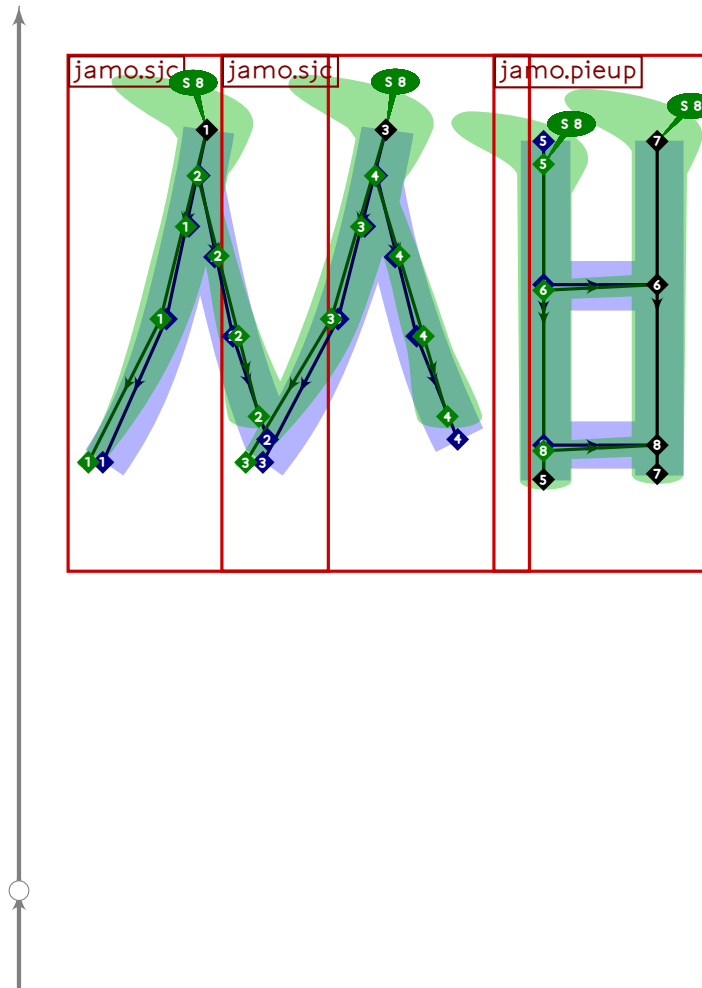
```

U+FF374
mande.uniA974.lj1

FF3



```
752 % hangul lead pieup-hieuh
753 begint Suglyph("uniA974.lj1",116);
754   hangul.combine.lr(207,118)(whatever,lixf,loxf);
755   tsu_render;
756 endtsuglyph;
757
```



FF3

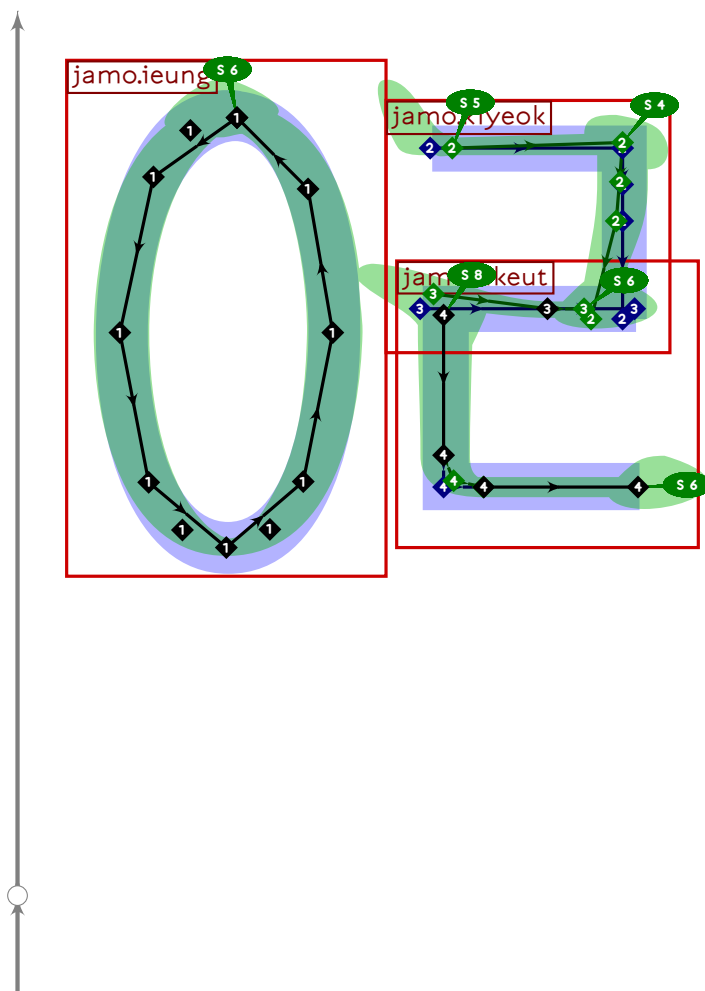
```

758 % hangul lead ssangsios-pieup
759 begint Suglyph("uniA975.lj1",117);
760 hangul.combine.lcr(209,209,107)(whatever,lixf,loxf);
761 tsu_render;
762 endtsuglyph;
763

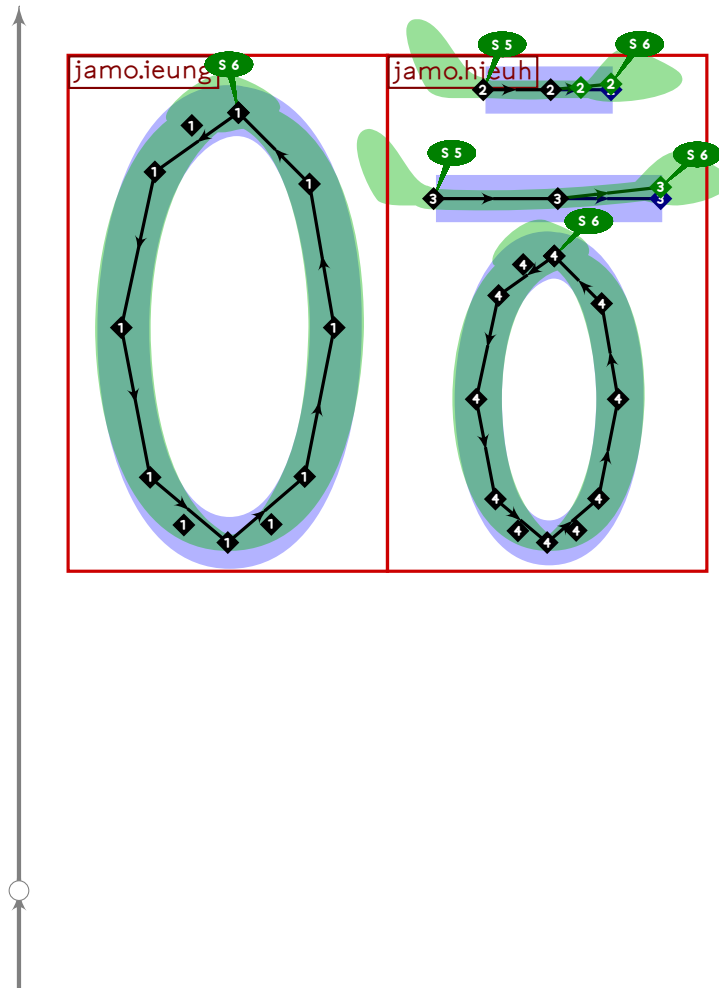
```

U+FF376
mande.uniA976.lj1

FF3



```
764 % hangul lead ieung-rieul
765 beginsuglyph("uniA976.lj1",118);
766   hangul.combine.lr(111,105)(whatever,lixf,loxf);
767   tsu_render;
768 endsuglyph;
769
```



FF3

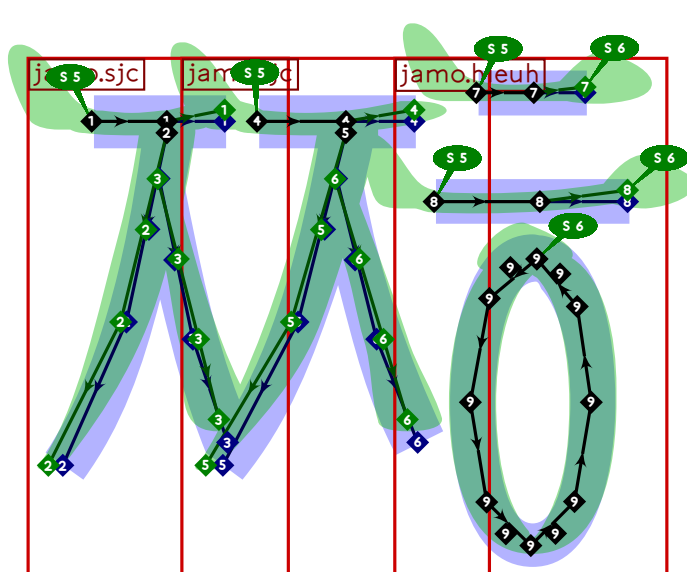
```

770 % hangul lead ieung-hieuh
771 begintsuglyph("uniA977.lj1",119);
772   hangul.combine.lr(111,118)(whatever,lixf,loxf);
773   tsu_render;
774 endsuglyph;
775

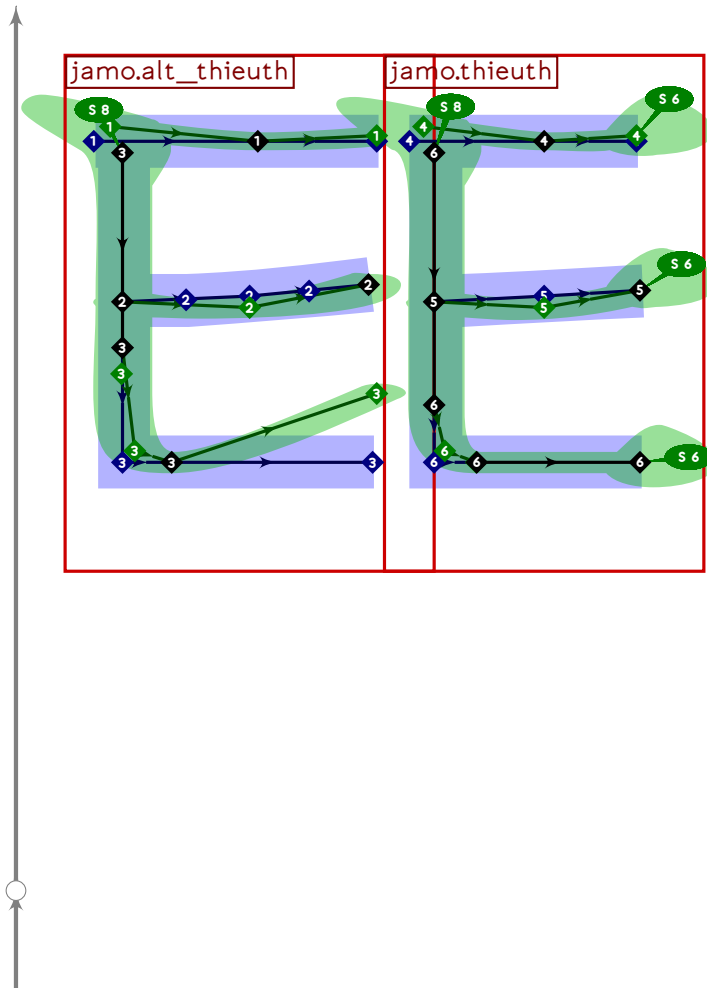
```

U+FF378
mande.uniA978.lj1

FF3



```
776 % hangul lead ssangcieuc-hieuh
777 begintsuglyph("uniA978.lj1",120);
778   hangul.combine.lcr(212,212,118)(whatever,lixf,loxf);
779   tsu_render;
780 endtsuglyph;
781
```



FF3

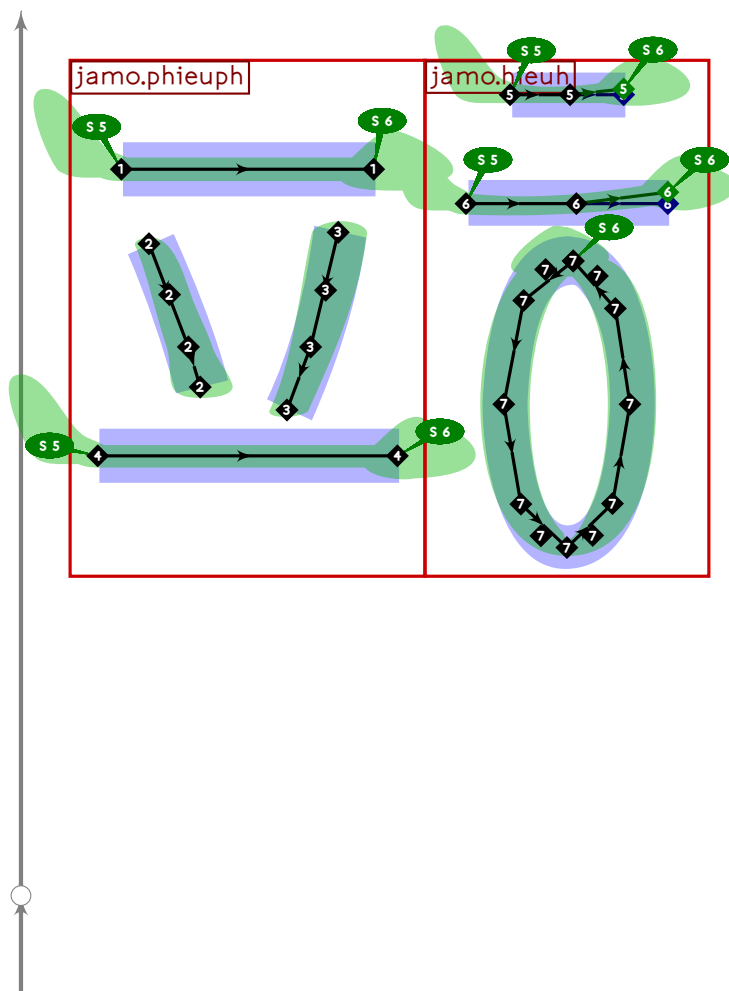
```

782 % hangul lead ssangthieuth
783 begintsuglyph("uniA979.lj1",121);
784   hangul.combine.lr(216,116)(whatever,lixf,loxf);
785   tsu_render;
786 endtsuglyph;
787

```

U+FF37A
mande.uniA97A.lj1

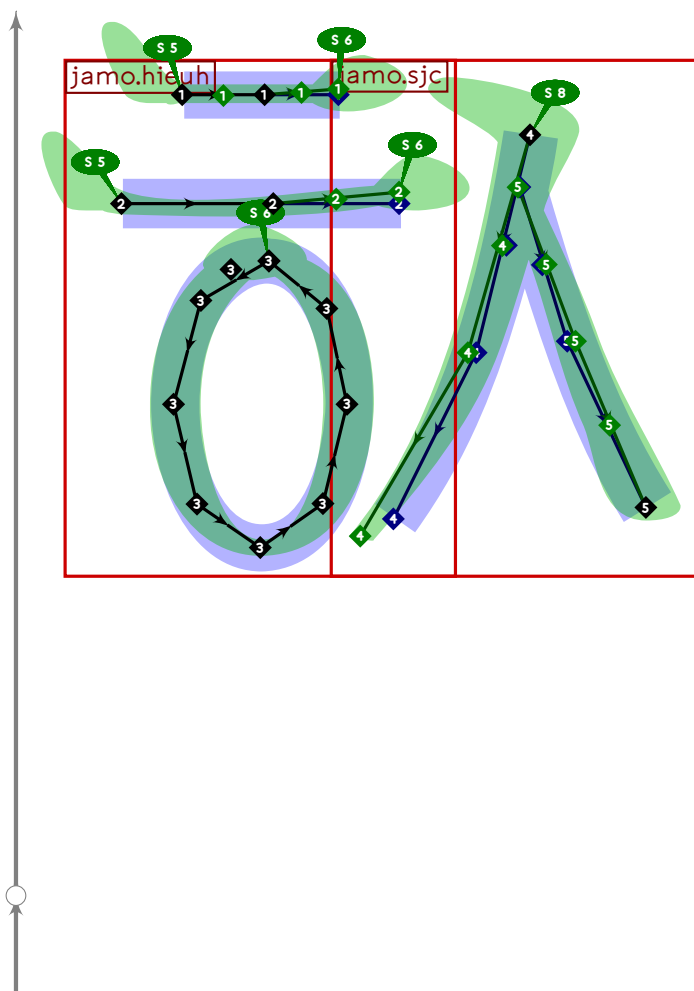
FF3



```

788 % hangul lead phieuph-hieuh
789 begint Suglyph("uniA97A.lj1",122);
790 hangul.combine.lcr(117,230,118)(whatever,lixf,loxf);
791 tsu_render;
792 endtsuglyph;
793

```

FF3

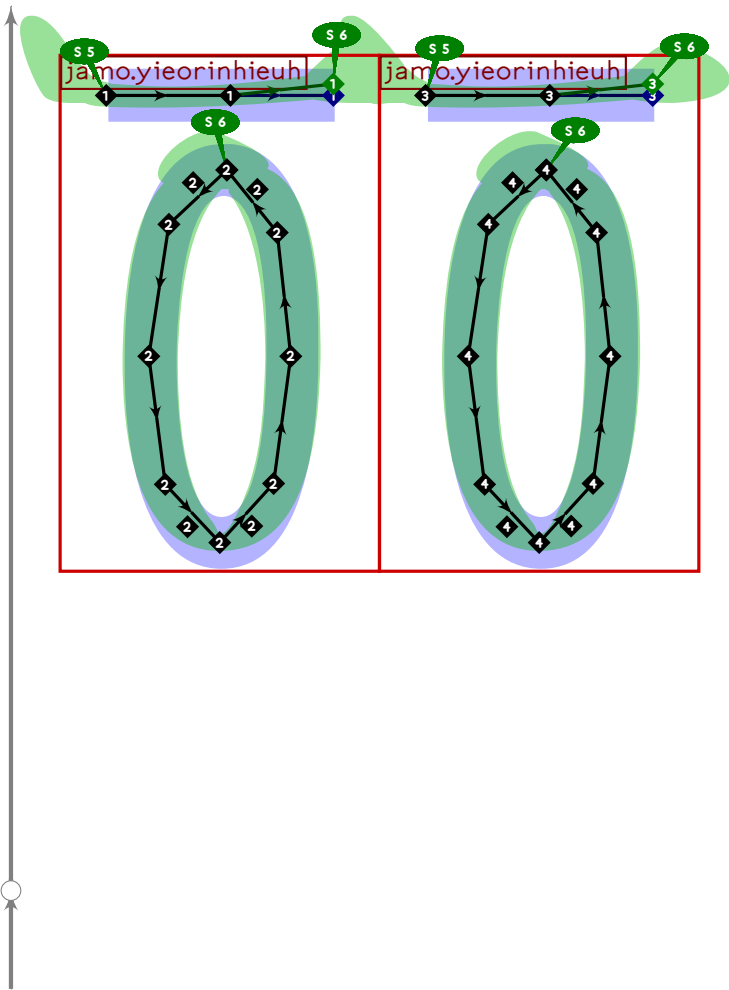
```

794 % hangul lead hieu-h-sios
795 begintsuglyph("uniA97B.lj1",123);
796   hangul.combine.lr(118,109)(whatever,lixf,loxf);
797   tsu_render;
798 endtsuglyph;
799

```

U+FF37C
mande.uniA97C.lj1

FF3



```
800 % hangul lead ssangyeorinhieuh
801 begintsuglyph("uniA97C.lj1",124);
802   hangul.combine.lcr(221,230,221)(whatever,lixf,loxf);
803   tsu_render;
804 endtsuglyph;
805
806
807
808 endfont;
809
810
```

mande-ff4.mp

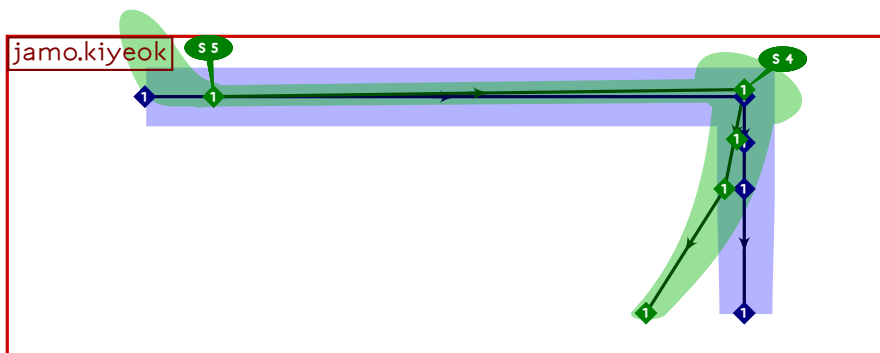
```
1 %
2 % Unicode page FF4 (alternate lead jamo) for Mandeubsida
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input hangul.mp;
37 input jamo-basic.mp;
38 input jamo-extra.mp;
39
40 do_late_includes;
41
42
43
44 % This file contains leads for layout 2: horizontal vowel and nonempty tail.
45
46 transform lixf,loxf;
47
48 lixf=loxf=hxf((50,850),(950,525));
49
50
51
```

FF4

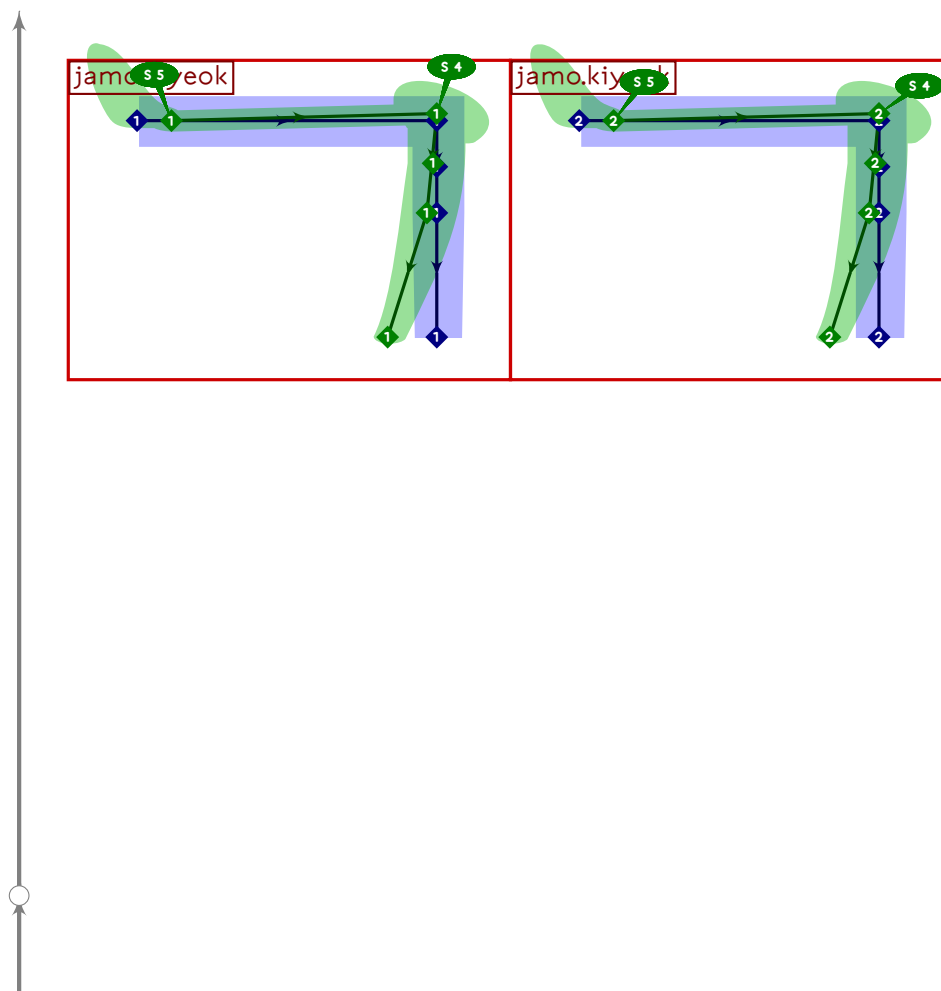
Hangul Choseong (Lead) Jamo

```
52 % HANGUL CHOSEONG (LEAD) JAMO
53
54 tsu_rescale_native_zero;
55
```

U+FF400
mande.uni1100.lj2

**FF4**

```
56 % hangul lead kiyeok
57 begintsuglyph("uni1100.lj2",0);
58   hangul.jamo.kiyeok(whatever,lix,f,loxf);
59   tsu__render;
60 endtsuglyph;
61
```



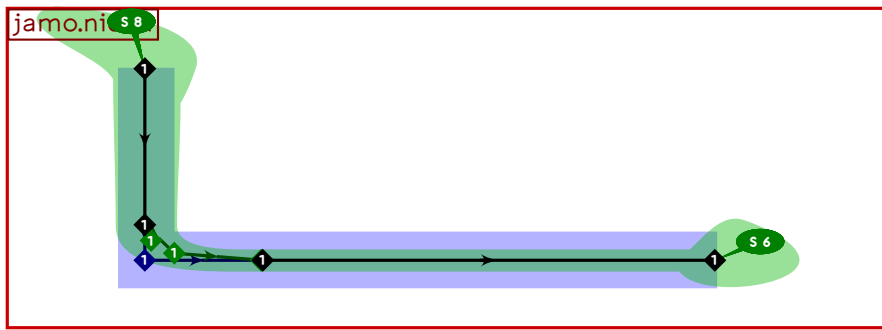
FF4

```

62 % hangul lead ssangkiyeok
63 begint Suglyph("uni1101.lj2";1);
64   hangul.combine.lr(100,100)(whatever,lixf,loxf);
65   tsu_render;
66 endtsuglyph;
67

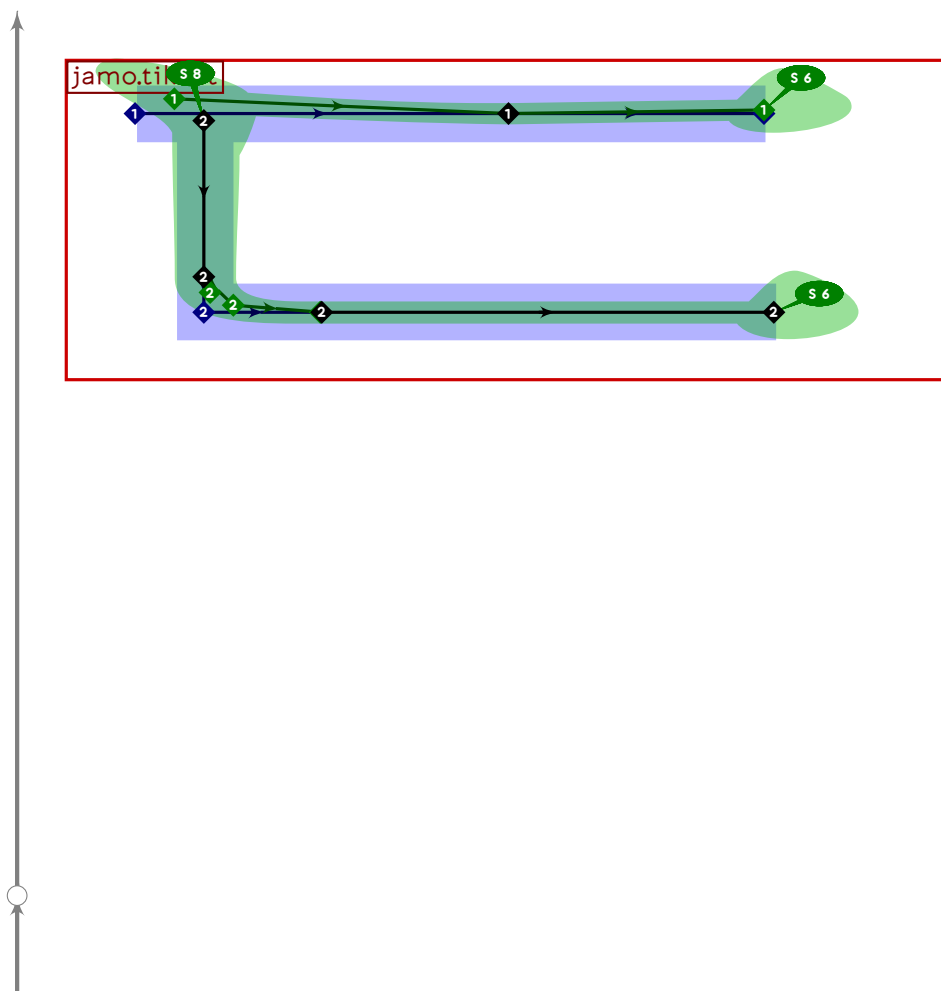
```

U+FF402
mande.uni1102.lj2



FF4

```
68 % hangul lead nieun
69 beginsuglyph("uni1102.lj2";2);
70   hangul.jamo.nieun(whatever,lixf,loxf);
71   tsu_render;
72 endsuglyph;
73
```



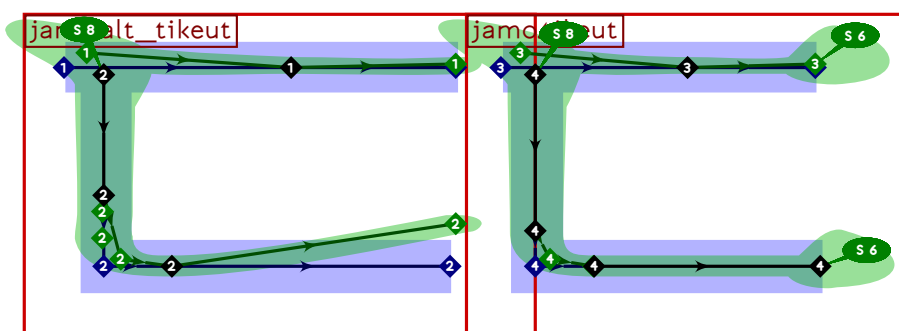
FF4

```

74 % hangul lead tikeut
75 beginsuglyph("uni1103.lj2";3);
76   hangul.jamo.tikeut(whatever,lixf,loxf);
77   tsu_render;
78 endsuglyph;
79

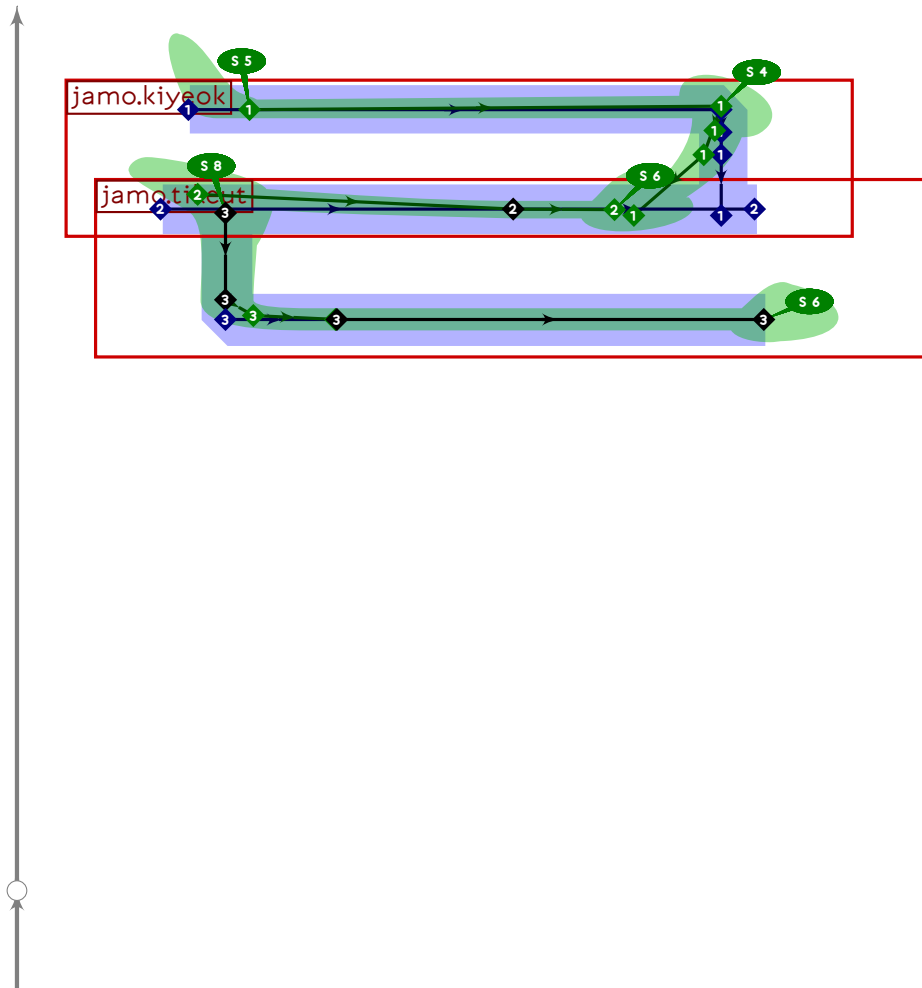
```

U+FF404
mande.uni1104.lj2



FF4

```
80 % hangul lead ssangtikeut
81 begint Suglyph("uni1104.lj2";4);
82   hangul.combine.lr(203,103)(whatever,lixf,loxf);
83   tsu_render;
84 endtsuglyph;
85
```

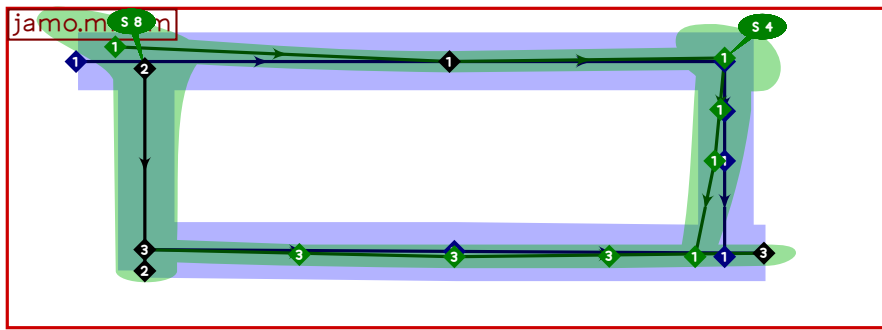
FF4

```

86 % hangul lead rieul
87 beginsuglyph("uni1105.lj2",5);
88   hangul.jamo.rieul(whatever,lixf,loxf);
89   tsu_render;
90 endsuglyph;
91

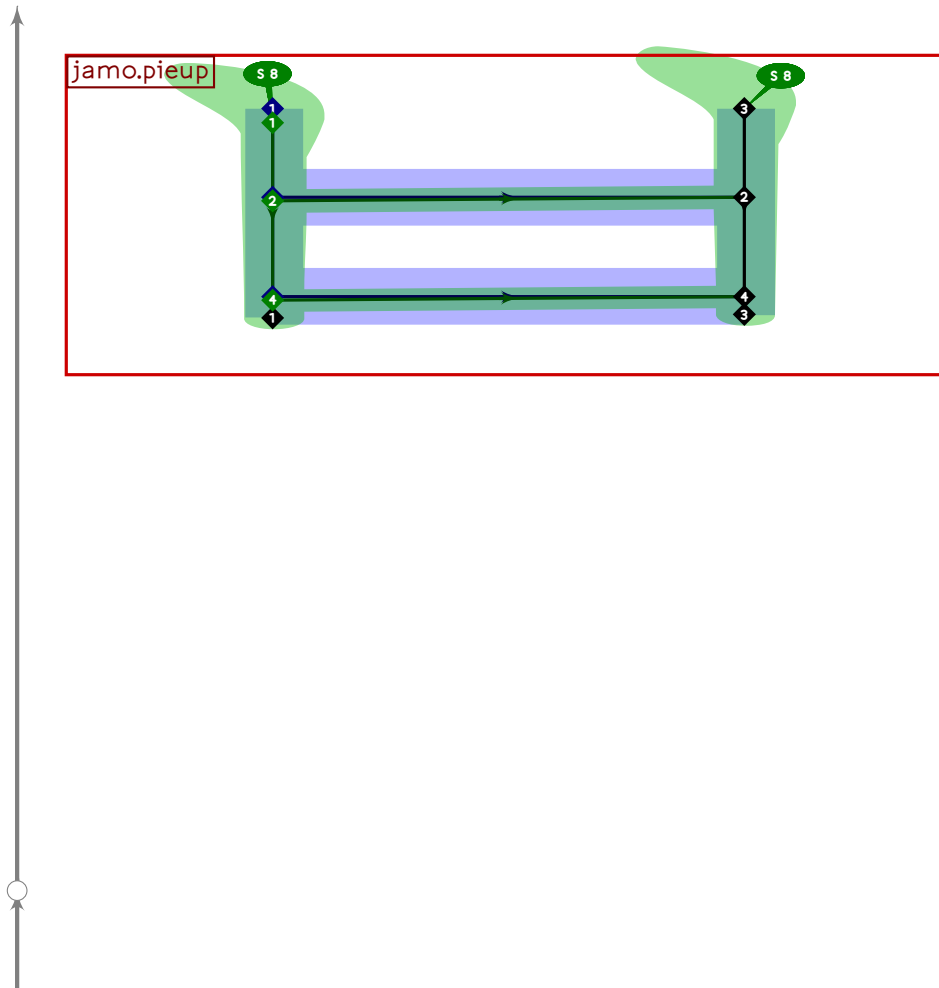
```

U+FF406
mande.uni1106.lj2



FF4

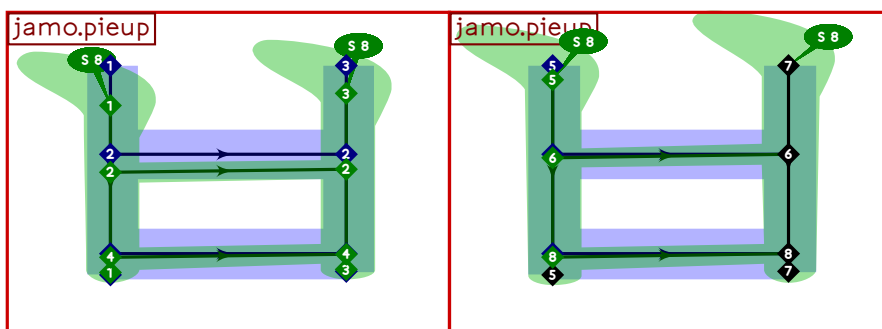
```
92 % hangul lead mieum
93 beginsuglyph("uni1106.lj2",6);
94 hangul.jamo.mieum(whatever,lixf,loxf);
95 tsu_render;
96 endtsuglyph;
97
```



FF4

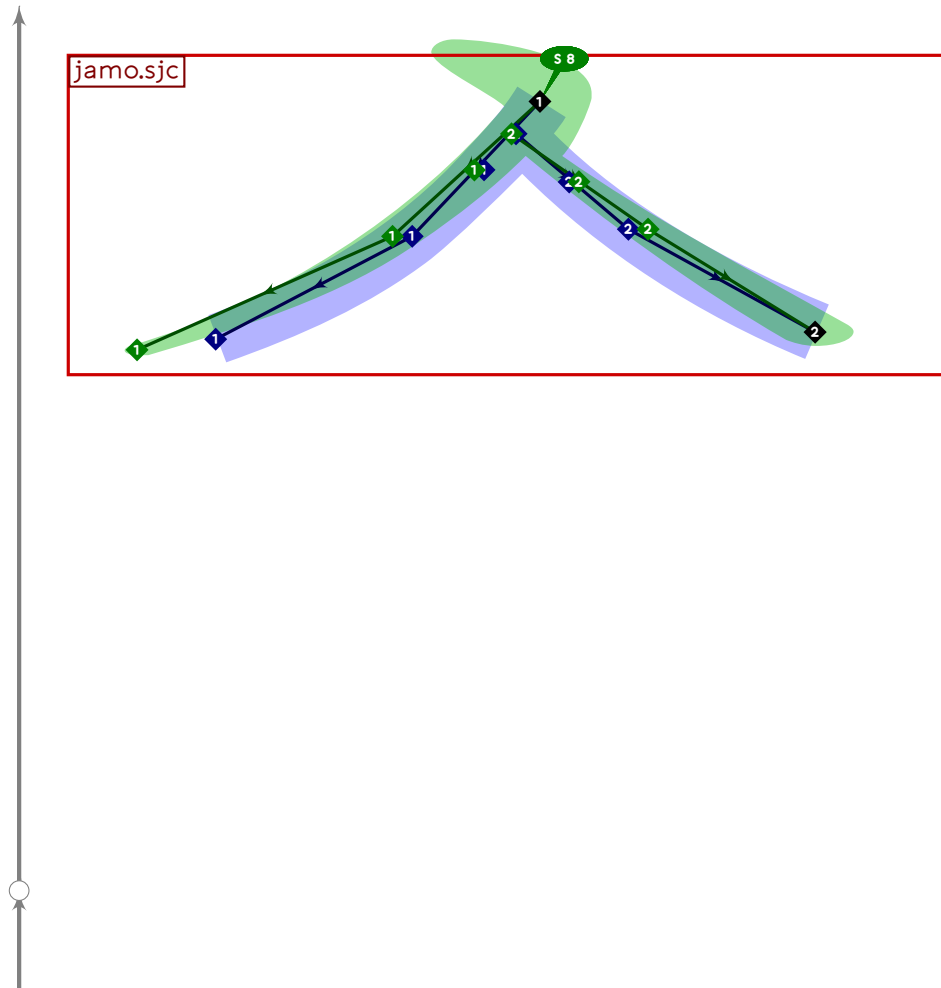
```
98 % hangul lead pieup
99 beginsuglyph("uni1107.lj2";7);
100 hangul.jamo.pieup(whatever,lixf,loxf);
101 tsu_render;
102 endsuglyph;
103
```

U+FF408
mande.uni1108.lj2



FF4

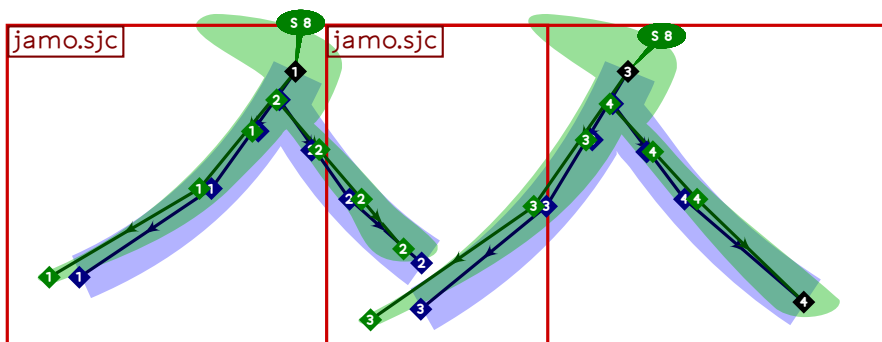
```
104 % hangul lead ssangpieup
105 begint Suglyph("uni1108.lj2";8);
106   hangul.combine.lr(207,107)(whatever,lixf,loxf);
107   tsu_render;
108 endtsuglyph;
109
```



FF4

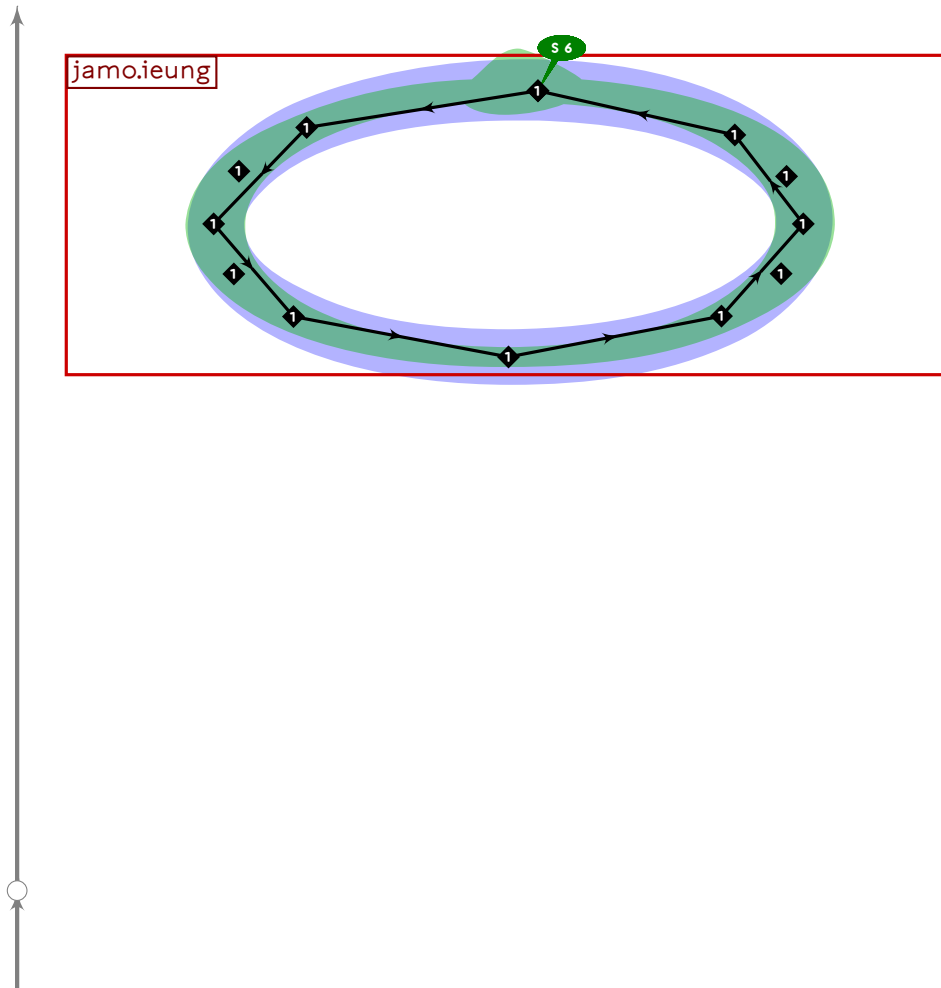
```
110 % hangul lead sios
111 begint Suglyph("uni1109.lj2";9);
112   hangul.jamo.sjc(0,0,false)(whatever,lixf,loxf);
113   tsu_render;
114 endtsuglyph;
115
```

U+FF40A
mande.uni110A.lj2



FF4

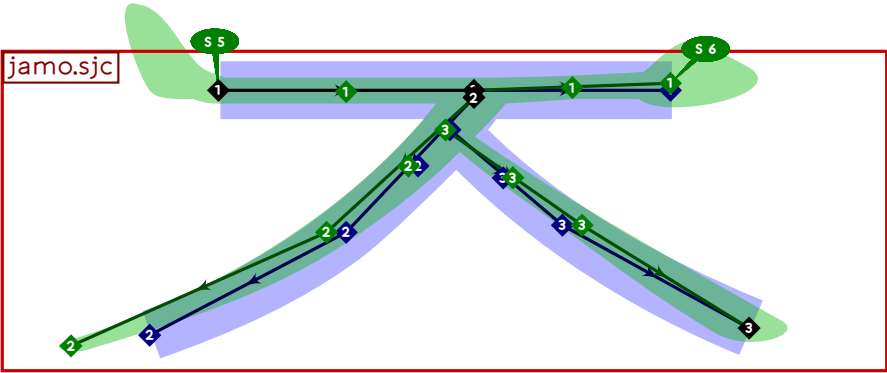
```
116 % hangul lead ssangsios
117 begint Suglyph("uni110A.lj2",10);
118   hangul.combine.lr(209,109)(whatever,lixf,loxf);
119   tsu_render;
120 endtsuglyph;
121
```



FF4

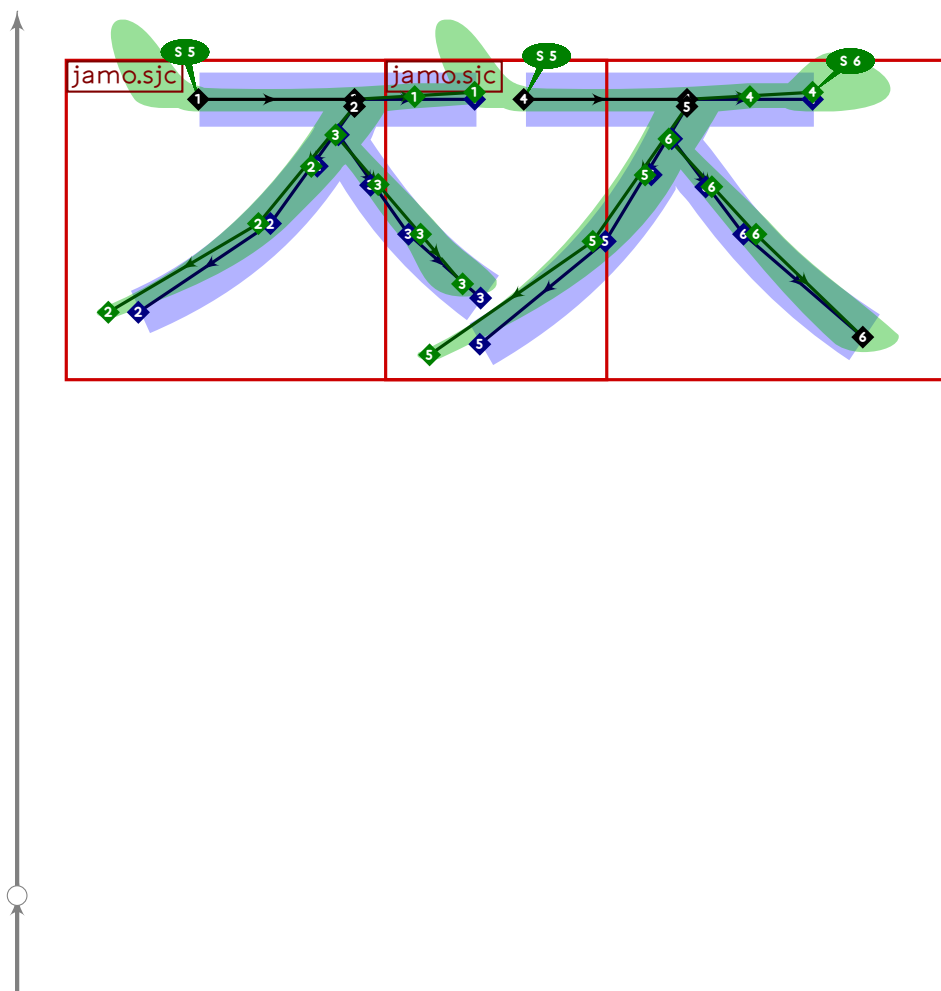
```
122 % hangul lead ieung
123 beginsuglyph("uni110B.lj2",11);
124   hangul.jamo.ieung(whatever,lixf,loxf);
125   tsu_render;
126 endsuglyph;
127
```

U+FF40C
mande.uni110C.lj2



FF4

```
128 % hangul lead cieuc
129 begintsuglyph("uni110C.lj2",12);
130 hangul.jamo.sjc(1,0,false)(whatever,lixf,loxf);
131 tsu_render;
132 endtsuglyph;
133
```

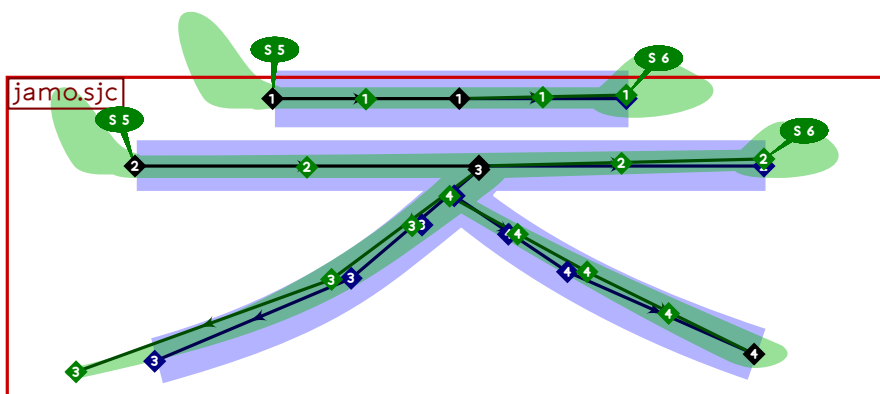
FF4

```

134 % hangul lead ssangcieuc
135 begint Suglyph("uni110D.lj2",13);
136   hangul.combine.lr(212,112)(whatever,lixf,loxf);
137   tsu_render;
138 endtsuglyph;
139

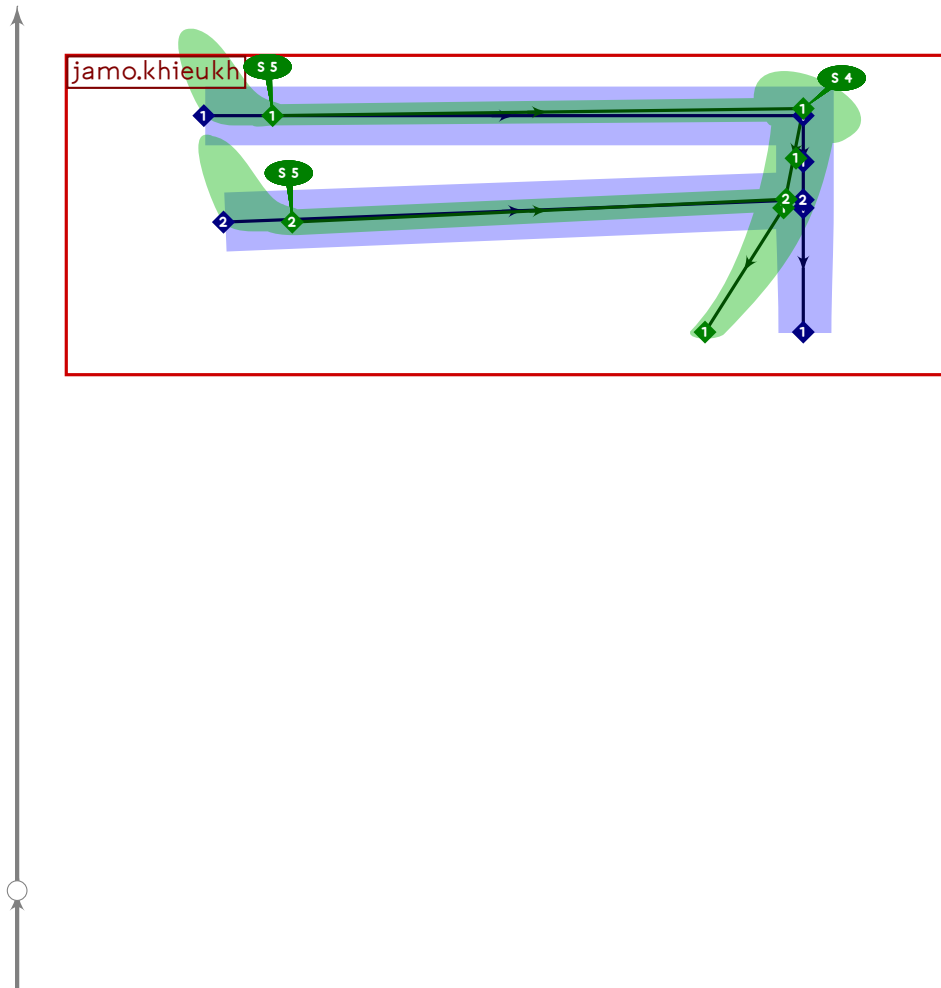
```

U+FF40E
mande.uni110E.lj2



FF4

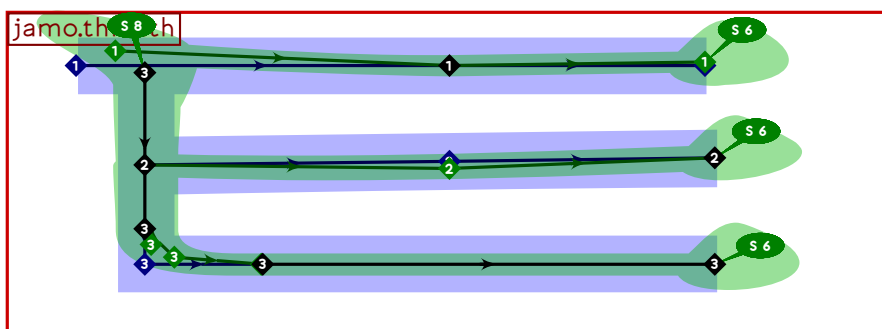
```
140 % hangul lead chieuch
141 beginsuglyph("uni110E.lj2",14);
142   hangul.jamo.sjc(2,0,false)(whatever,lixf,loxf);
143   tsu_render;
144 endsuglyph;
145
```



FF4

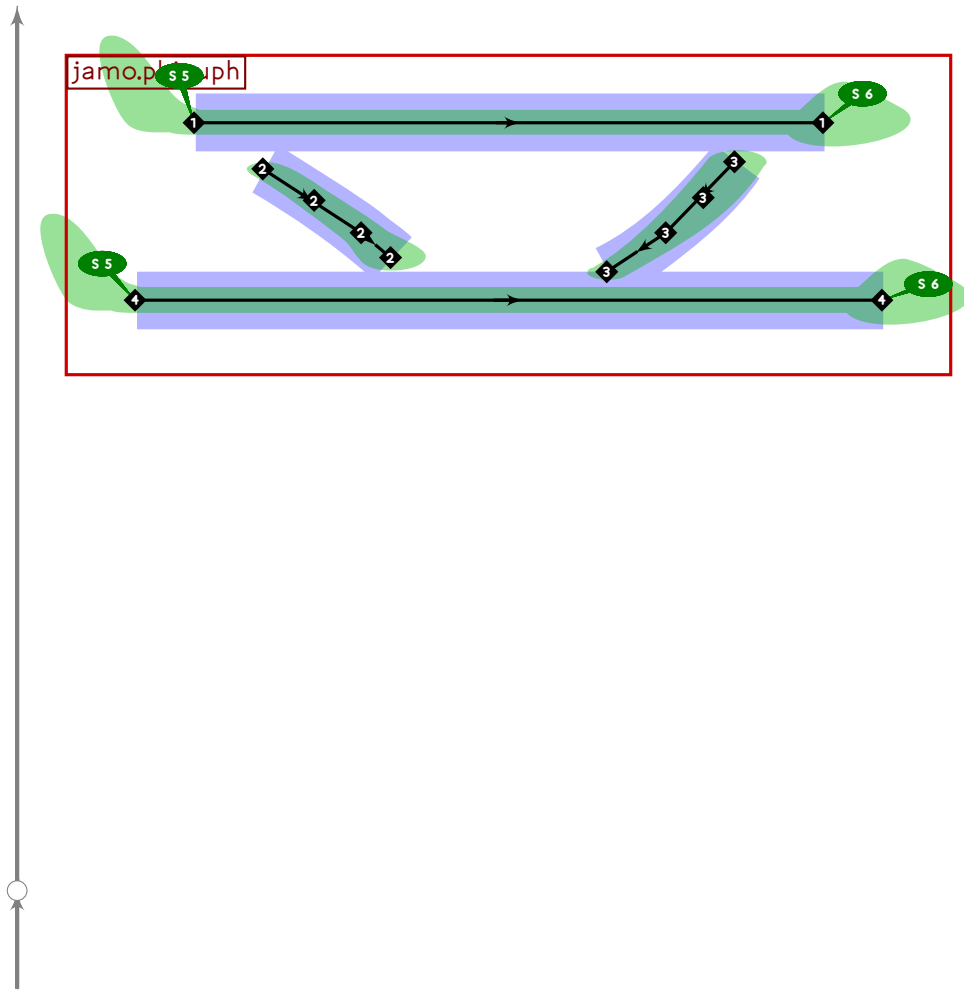
```
146 % hangul lead khieukh
147 begint Suglyph("uni110F.lj2";15);
148 hangul.jamo.khieukh(whatever,lixf,loxf);
149 tsu_render;
150 endtsuglyph;
151
```

U+FF410
mande.uni1110.lj2



FF4

```
152 % hangul lead thieuth
153 beginsuglyph("uni1110.lj2",16);
154   hangul.jamo.thieuth(whatever,lixf,loxf);
155   tsu_render;
156 endsuglyph;
157
```



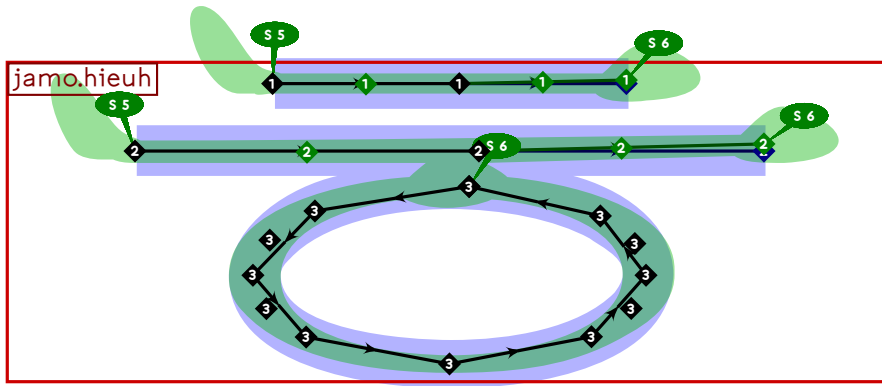
FF4

```

158 % hangul lead phieuph
159 begintsuglyph("uni1111.lj2",17);
160 hangul.jamo.phieuph(whatever,lixf,loxf);
161 tsu_render;
162 endtsuglyph;
163

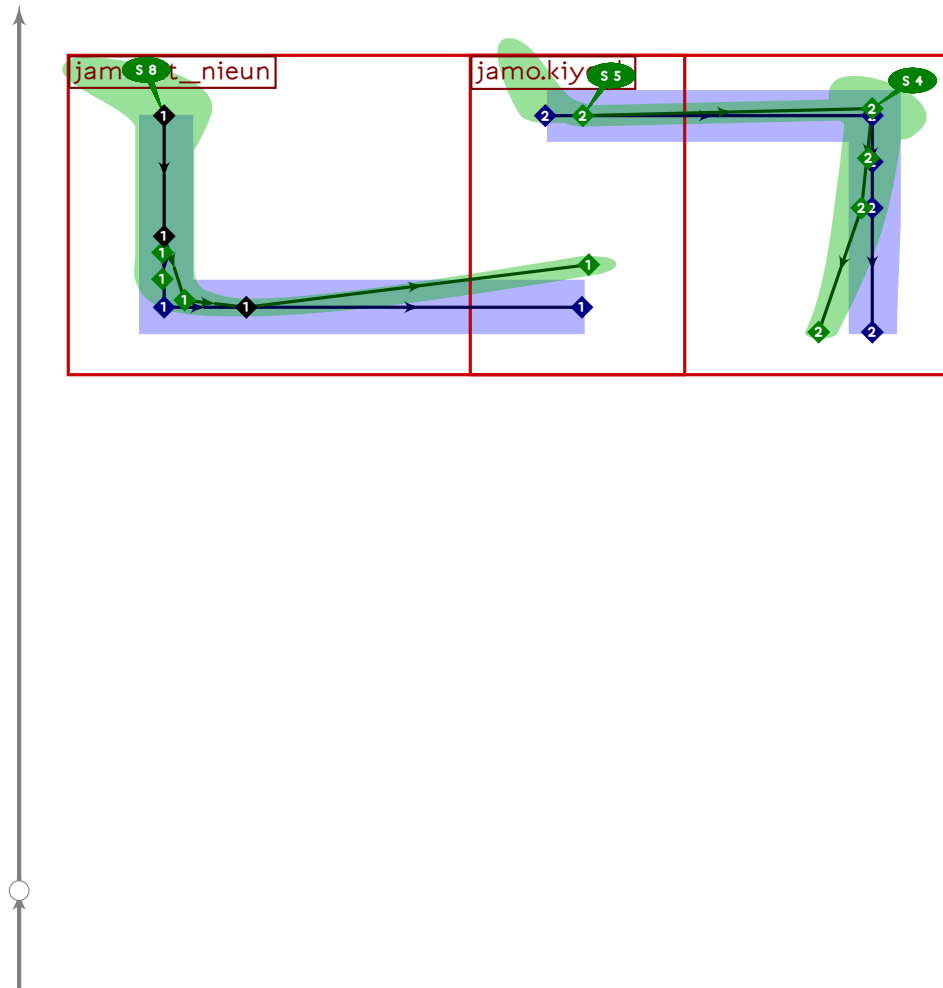
```

U+FF412
mande.uni1112.lj2



FF4

```
164 % hangul lead hieuh
165 begint Suglyph("uni1112.lj2",18);
166   hangul.jamo.hieuh(whatever,lixf,loxf);
167   tsu_render;
168 endtsuglyph;
169
```



FF4

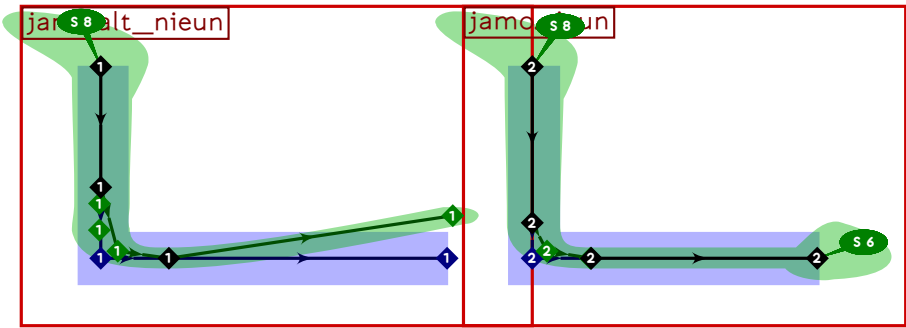
```

170 % hangul lead nieun-kiyeok
171 beginsuglyph("uni1113.lj2";19);
172   hangul.combine.lr(202,100)(whatever,lixf,loxf);
173   tsu_render;
174 endsuglyph;
175

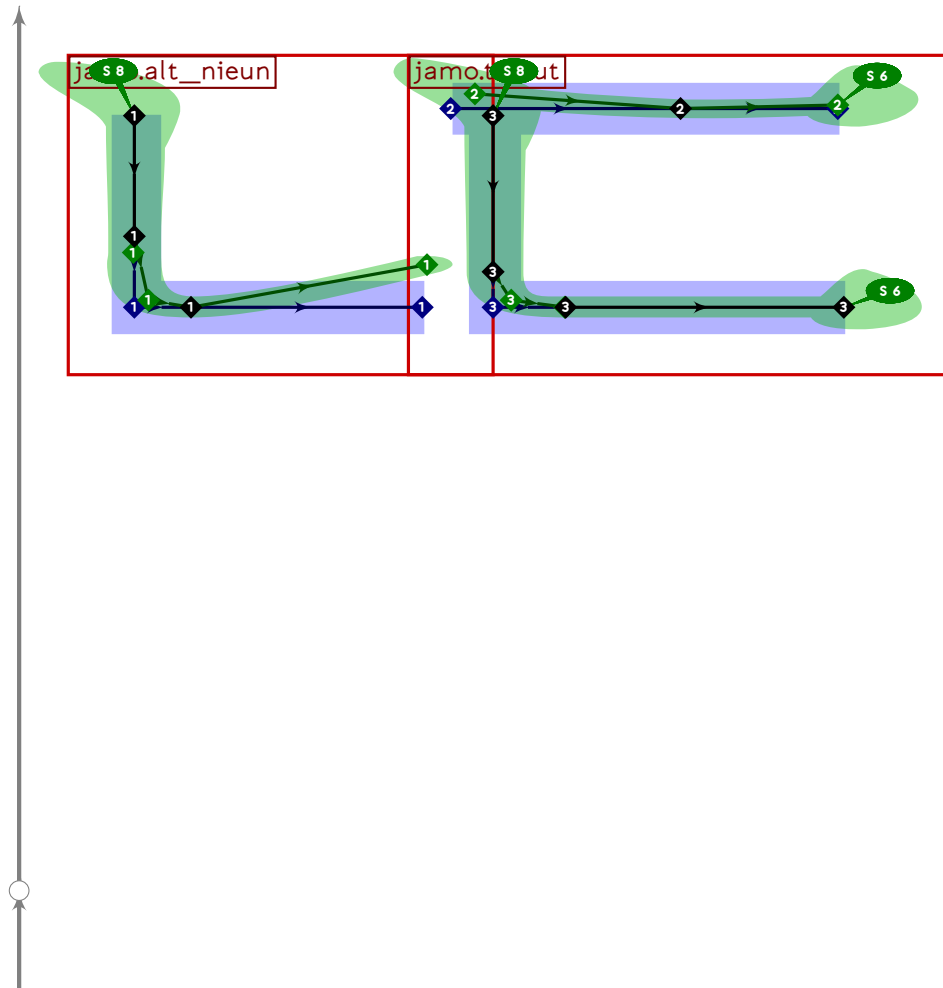
```

U+FF414
mande.uni1114.lj2

FF4



```
176 % hangul lead ssangnieun
177 begint Suglyph("uni1114.lj2";20);
178   hangul.combine.lr(202,102)(whatever,lixf,loxf);
179   tsu_render;
180 endtsuglyph;
181
```

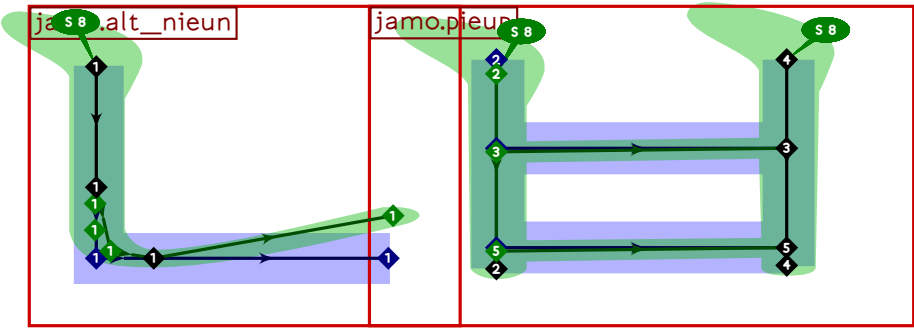
FF4

```

182 % hangul lead nieun-tikeut
183 beginsuglyph("uni1115.lj2";21);
184   hangul.combine.lr(202,103)(whatever,lixf,loxf);
185   tsu_render;
186 endsuglyph;
187

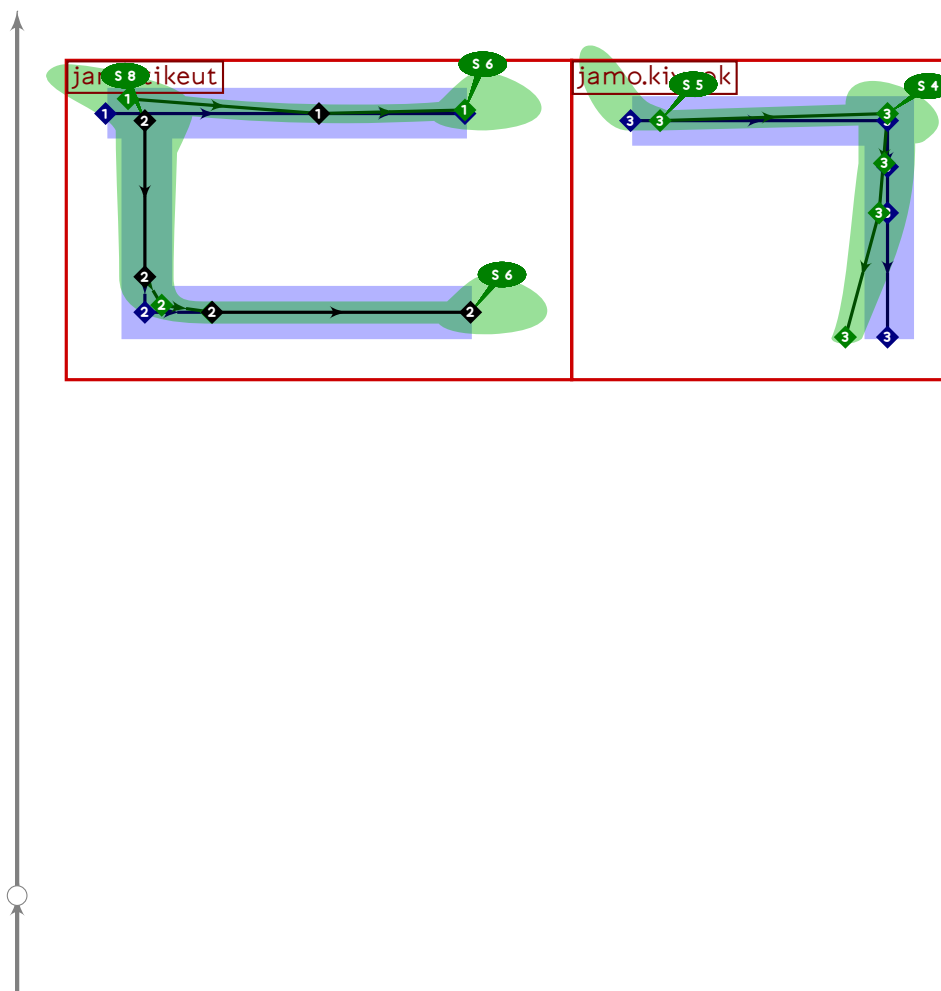
```

U+FF416
mande.uni1116.lj2



FF4

```
188 % hangul lead nieun-pieup
189 begintsuglyph("uni1116.lj2";22);
190 hangul.combine.lr(202,107)(whatever,lixf,loxf);
191 tsu_render;
192 endtsuglyph;
193
```



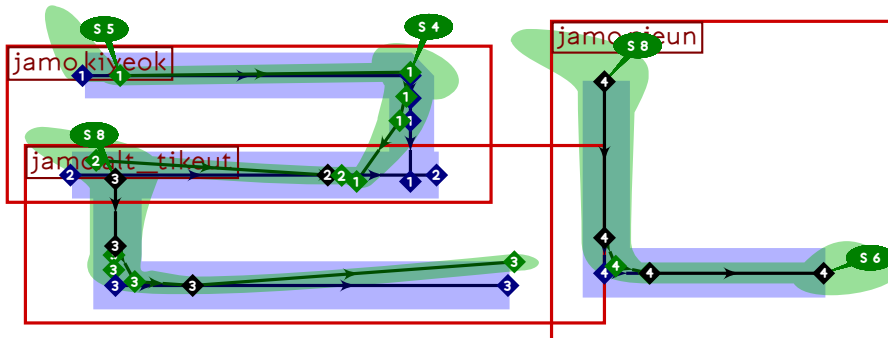
FF4

```

194 % hangul lead tikeut-kiyeok
195 begintsuglyph("uni1117lj2",23);
196 hangul.combine.lr(103,100)(whatever,lixf,loxf);
197 tsu_render;
198 endtsuglyph;
199

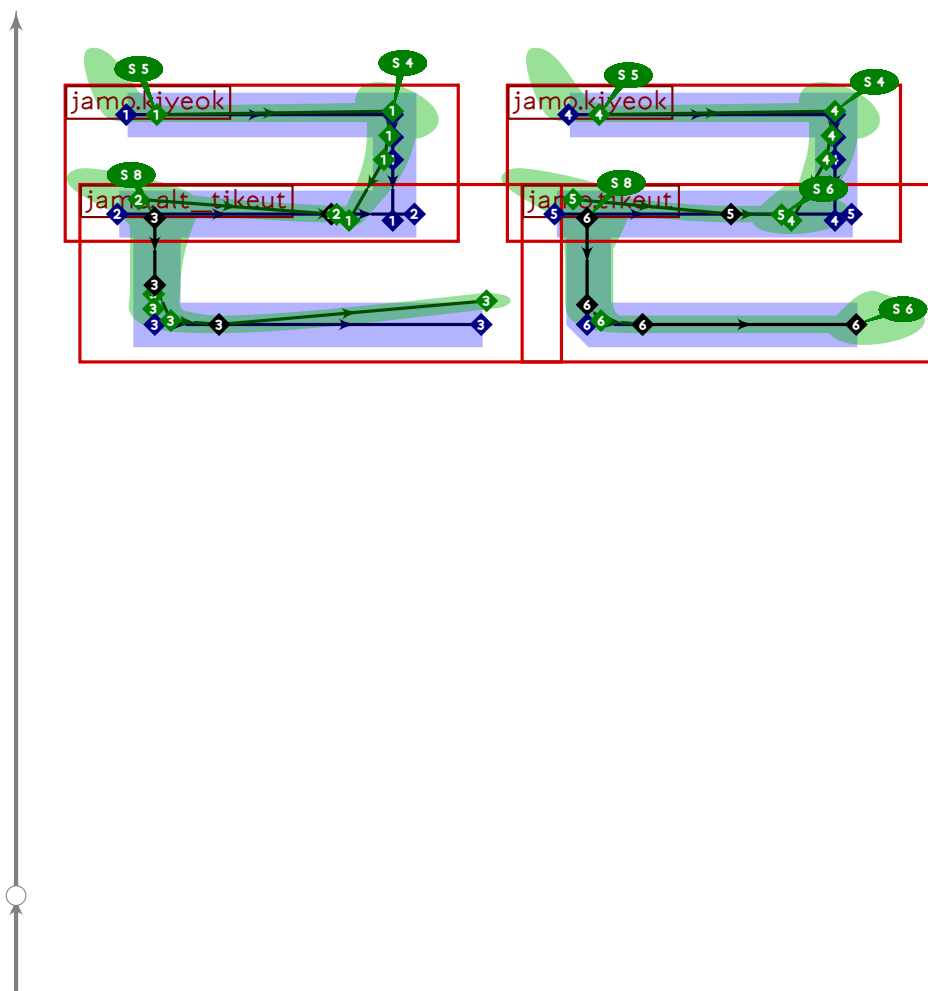
```

U+FF418
mande.uni1118.lj2



FF4

```
200 % hangul lead rieul-nieun
201 beginsuglyph("uni1118.lj2";24);
202   hangul.combine.lr(205,102)(whatever,lixf,loxf);
203   tsu_render;
204 endsuglyph;
205
```



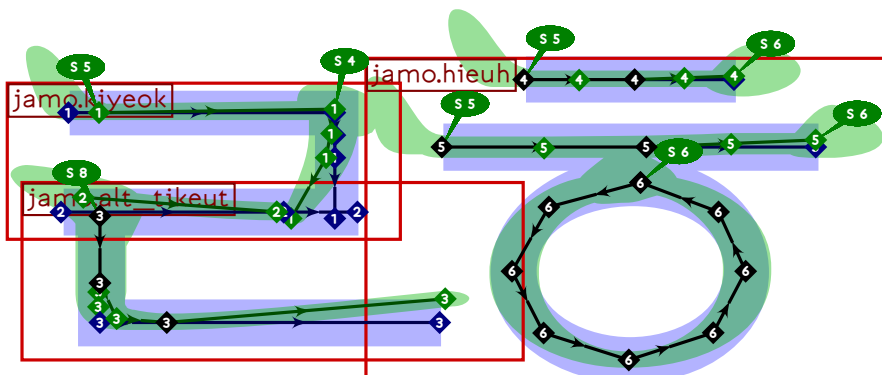
FF4

```

206 % hangul lead ssangrieul
207 begintsuglyph("uni1119.lj2",25);
208   hangul.combine.lr(205,105)(whatever,lixf,loxf);
209   tsu_render;
210 endsuglyph;
211

```

U+FF41A
mande.uni111A.lj2

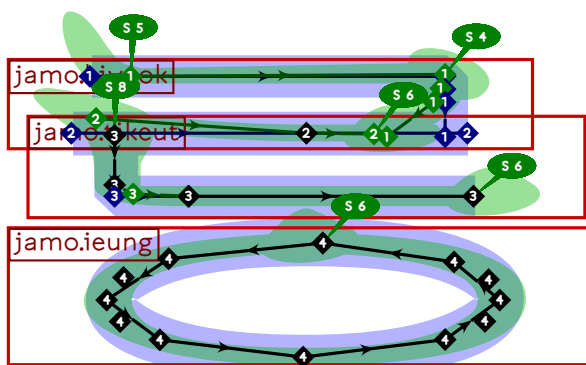


FF4

```

212 % hangul lead rieul-hieuh
213 beginsuglyph("uni111A.lj2";26);
214   hangul.combine.lr(205,118)(whatever,lixf,loxf);
215   tsu_render;
216 endsuglyph;
217

```



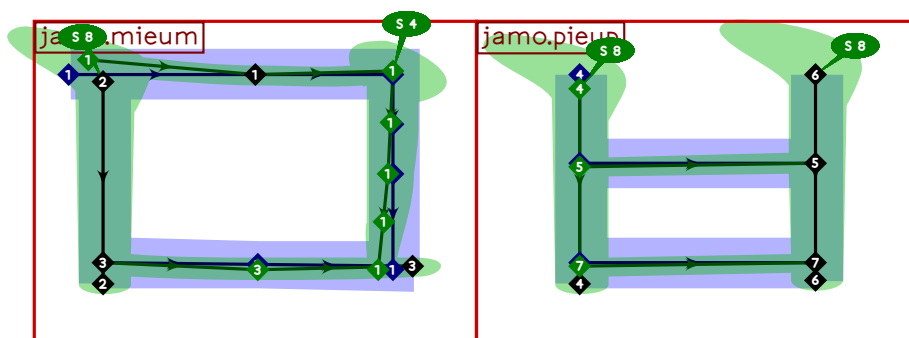
FF4

```

218 % hangul lead kapyeounrieul
219 begintsuglyph("uni111B.lj2";27);
220   hangul.combine.tb(105,521)(whatever,
221     hxf((200,850),(800,-50)) transformed lixf,loxf);
222   tsu_render;
223 endtsuglyph;
224

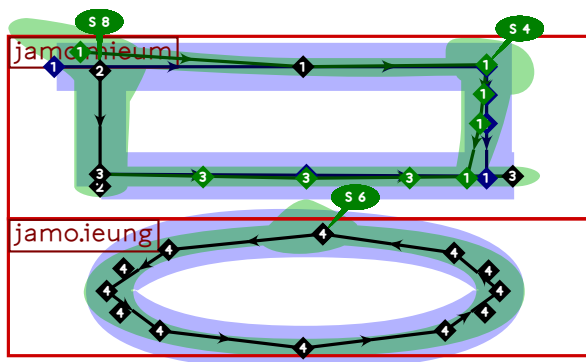
```

U+FF41C
mande.uni111C.lj2



FF4

```
225 % hangul lead mieum-pieup
226 beginsuglyph("uni111C.lj2";28);
227   hangul.combine.lr(106,107)(whatever,lixf,loxf);
228   tsu_render;
229 endsuglyph;
230
```

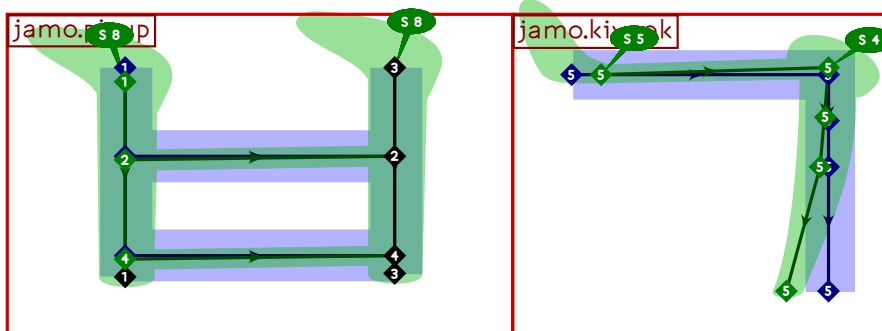
FF4

```

231 % hangul lead kapyeounmieum
232 begintsuglyph("uni111D.lj2";29);
233   hangul.combine.tb(106,521)(whatever,
234     hxf((200,850),(800,-50)) transformed lixf,loxf);
235   tsu_render;
236 endtsuglyph;
237

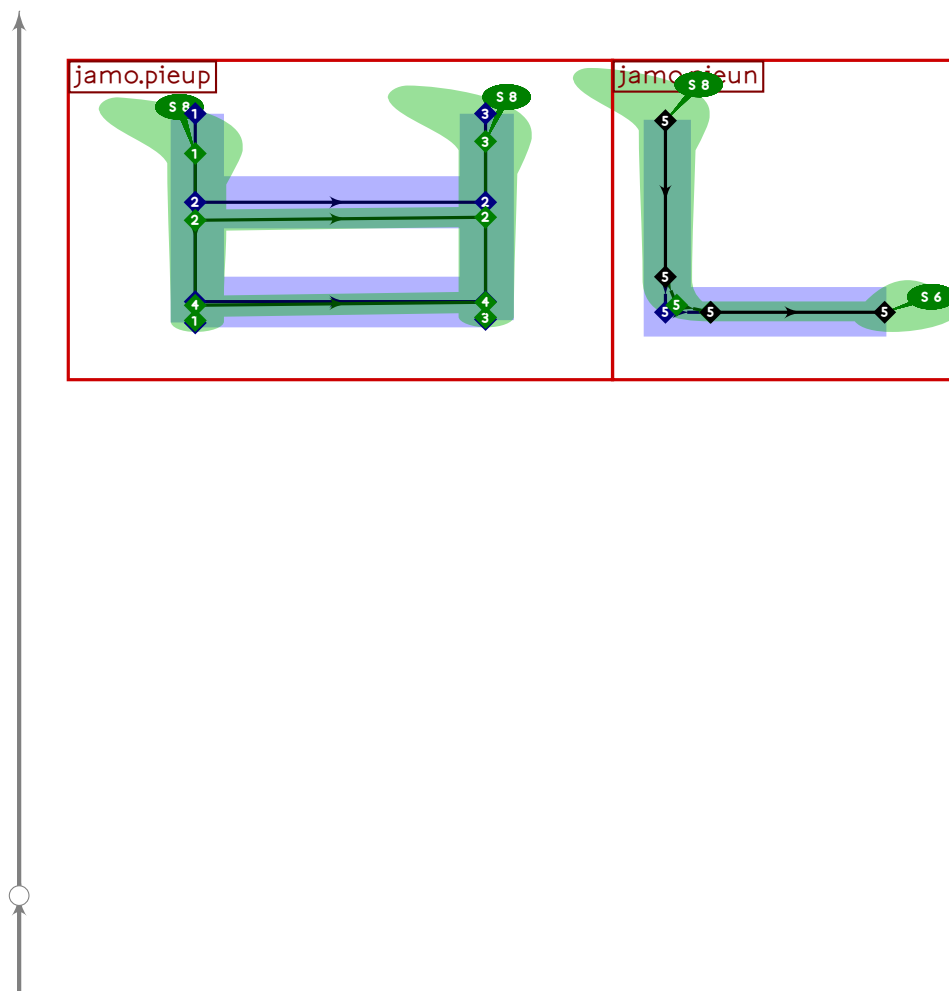
```

U+FF41E
mande.uni111E.lj2



FF4

```
238 % hangul lead pieup-kiyeok
239 begintsuglyph("uni111E.lj2";30);
240 hangul.combine.lr(107,100)(whatever,lixf,loxf);
241 tsu_render;
242 endtsuglyph;
243
```



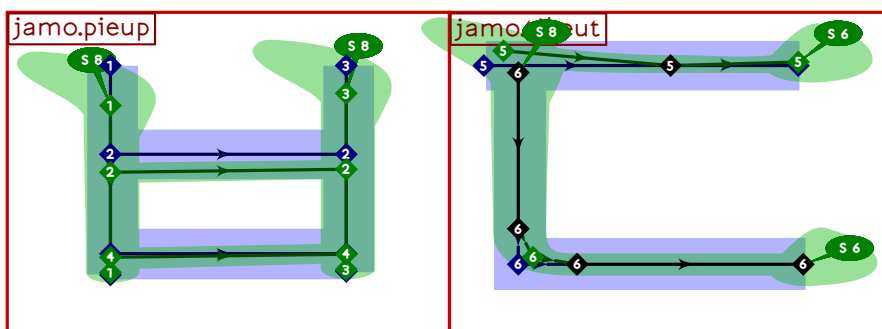
FF4

```

244 % hangul lead pieup-nieun
245 begintsuglyph("uni111F.lj2",31);
246   hangul.combine.lr(207,102)(whatever,lixf,loxf);
247   tsu_render;
248 endtsuglyph;
249

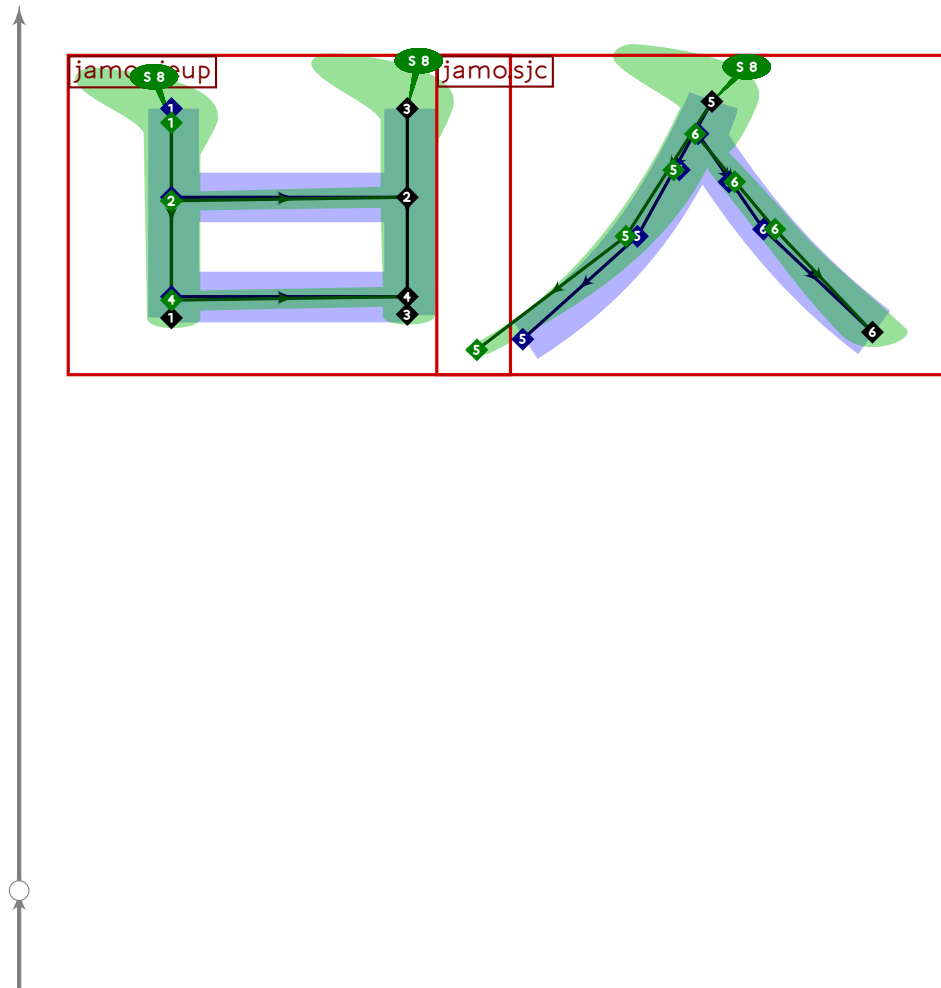
```

U+FF420
mande.uni1120.lj2



FF4

```
250 % hangul lead pieup-tikeut
251 begint Suglyph("uni1120.lj2";32);
252   hangul.combine.lr(207,103)(whatever,lixf,loxf);
253   tsu_render;
254 endtsuglyph;
255
```



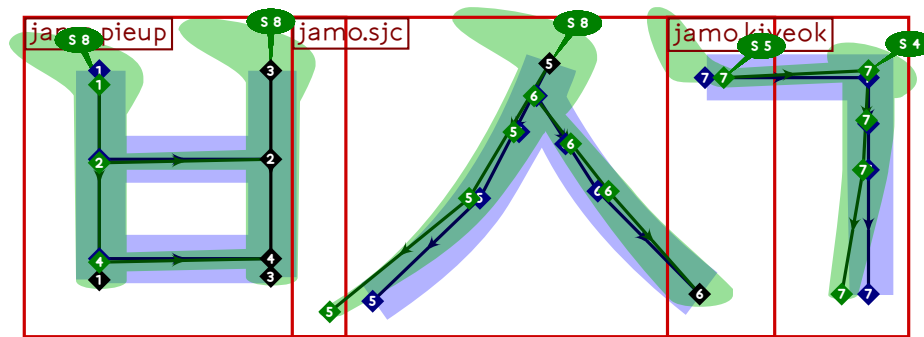
FF4

```

256 % hangul lead pieup-sios
257 begint Suglyph("uni1121.lj2";33);
258   hangul.combine.lr(107,109)(whatever,lixf,loxf);
259   tsu_render;
260 endtsuglyph;
261

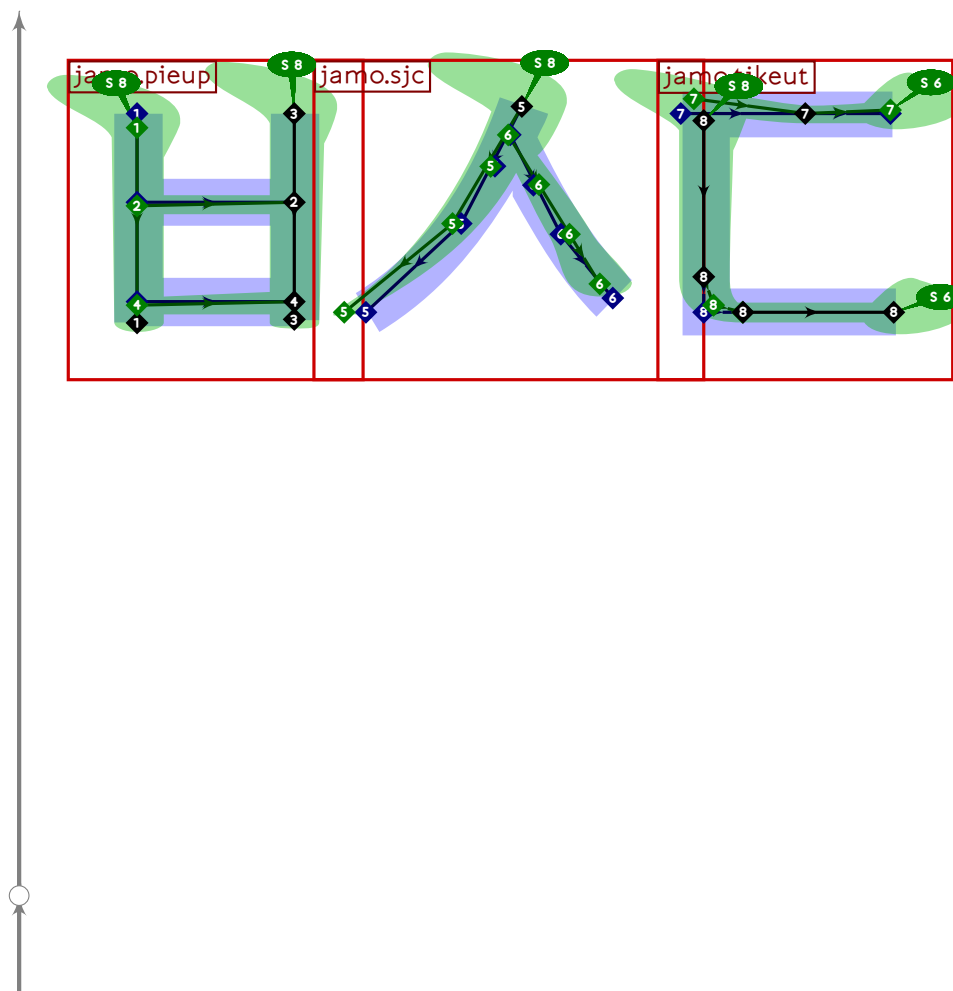
```

U+FF422
mande.uni1122.lj2



FF4

```
262 % hangul lead pieup-sios-kiyeok
263 begint Suglyph("uni1122.lj2";34);
264 hangul.combine.lcr(107,109,100)(whatever,lixf,loxf);
265 tsu_render;
266 endtsuglyph;
267
```



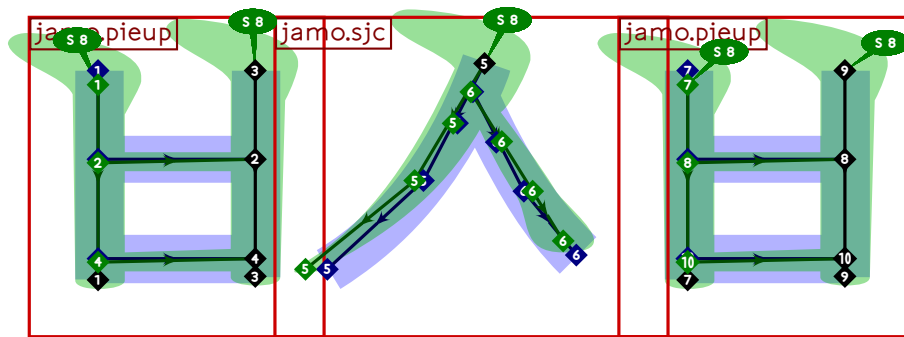
FF4

```

268 % hangul lead pieup-sios-tikeut
269 beginsuglyph("uni1123.lj2";35);
270 hangul.combine.lcr(107,209,103)(whatever,lixf,loxf);
271 tsu_render;
272 endsuglyph;
273

```

U+FF424
mande.uni1124.lj2



FF4

```
274 % hangul lead pieup-sios-pieup
275 begint Suglyph("uni1124.lj2",36);
276   hangul.combine.lcr(107,209,107)(whatever,lixf,loxf);
277   tsu_render;
278 endtsuglyph;
279
```



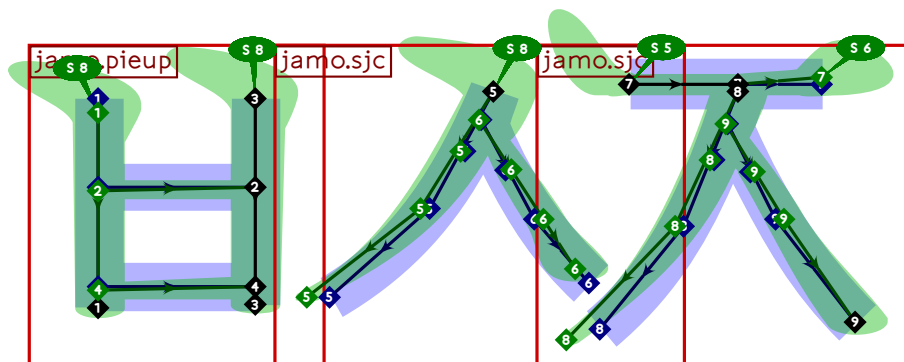

FF4

```

280 % hangul lead pieup-ssangsios
281 begintsuglyph("uni1125.lj2";37);
282   hangul.combine.lcr(107,209,109)(whatever,lixf,loxf);
283   tsu_render;
284 endtsuglyph;
285

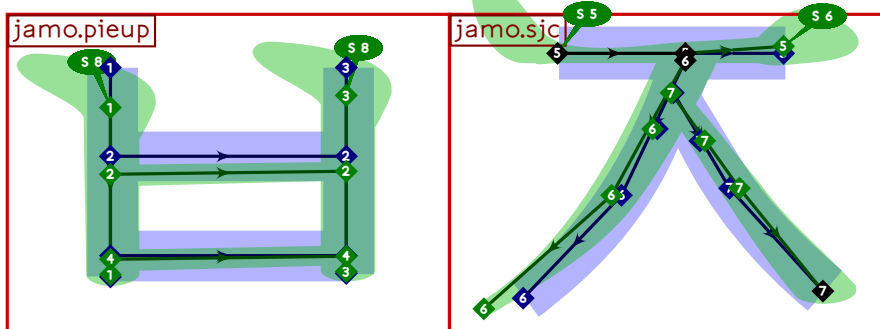
```

U+FF426
mande.uni1126.lj2



FF4

```
286 % hangul lead pieup-sios-cieuc
287 begintsuglyph("uni1126.lj2";38);
288   hangul.combine.lcr(107,209,112)(whatever,lixf,loxf);
289   tsu_render;
290 endtsuglyph;
291
```



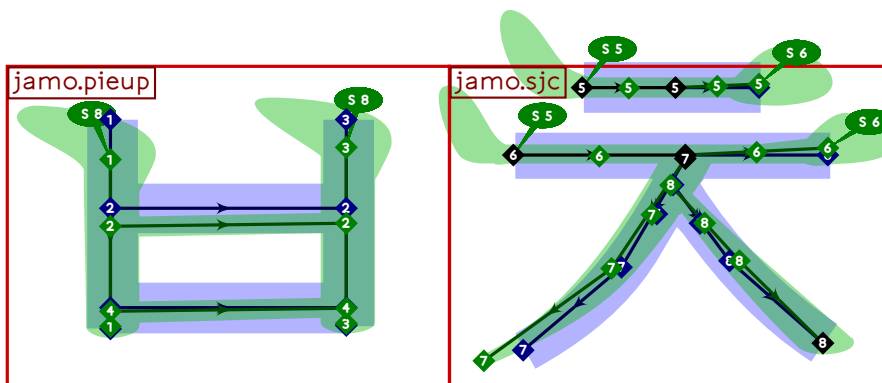
FF4

```

292 % hangul lead pieup-cieuc
293 begint Suglyph("uni1127.lj2";39);
294   hangul.combine.lr(207,112)(whatever,lixf,loxf);
295   tsu_render;
296 endtsuglyph;
297

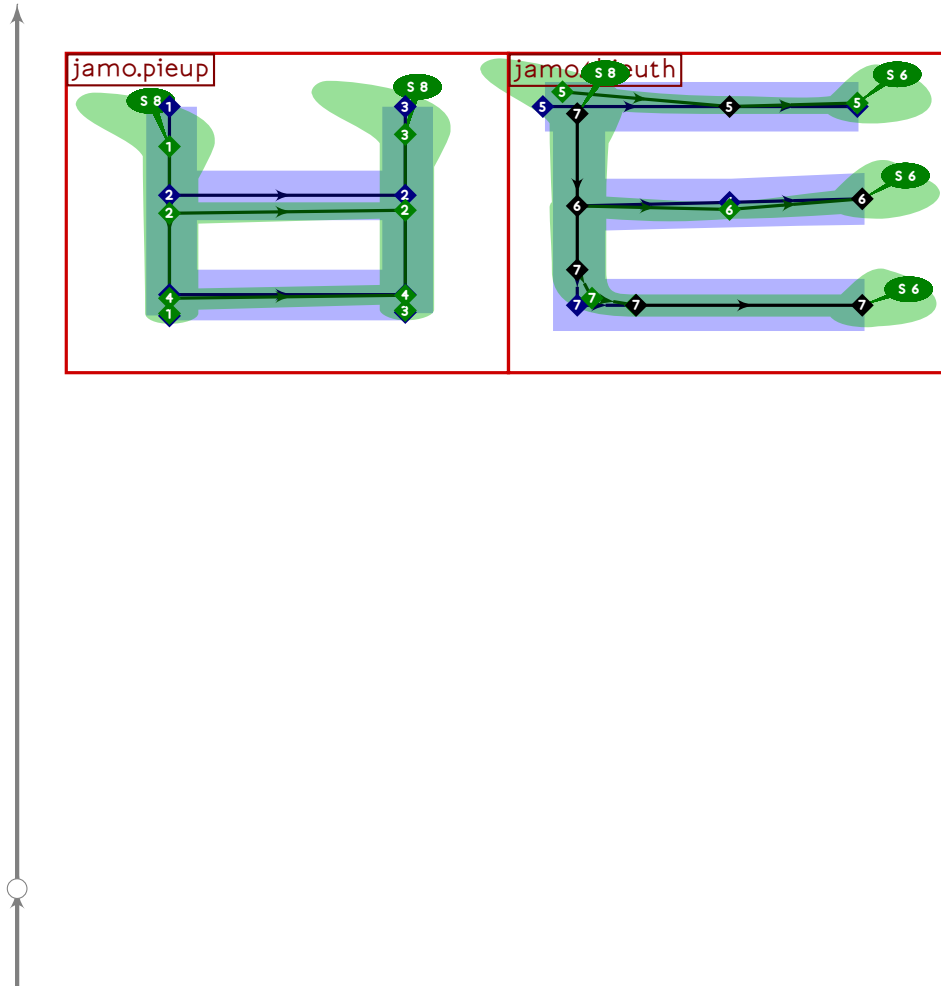
```

U+FF428
mande.uni1128.lj2



FF4

```
298 % hangul lead pieup-chieuch
299 begint Suglyph("uni1128.lj2",40);
300 hangul.combine.lr(207,114)(whatever,lixf,loxf);
301 tsu_render;
302 endtsuglyph;
303
```



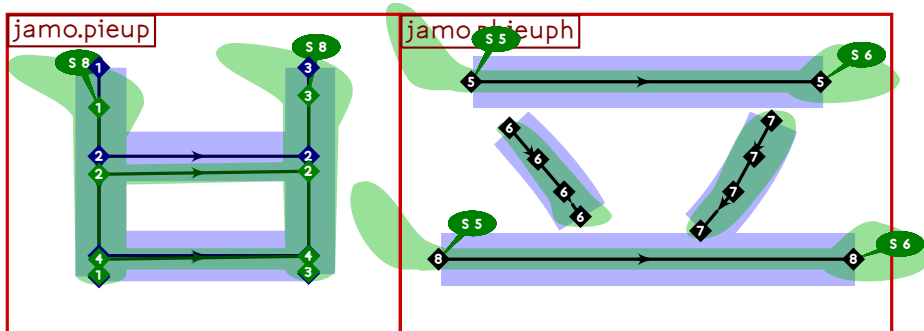
FF4

```

304 % hangul lead pieup-thieuth
305 begintsuglyph("uni1129.lj2";41);
306   hangul.combine.lr(207,116)(whatever,lixf,loxf);
307   tsu_render;
308 endtsuglyph;
309

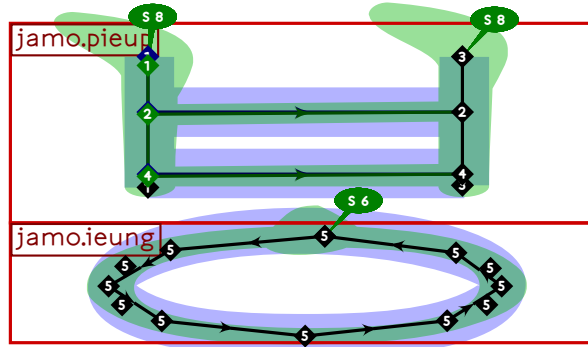
```

U+FF42A
mande.uni112A.lj2



FF4

```
310 % hangul lead pieup-phieuph
311 begint Suglyph("uni112A.lj2";42);
312   hangul.combine.lr(207,117)(whatever,lixf,loxf);
313   tsu_render;
314 endtsuglyph;
315
```



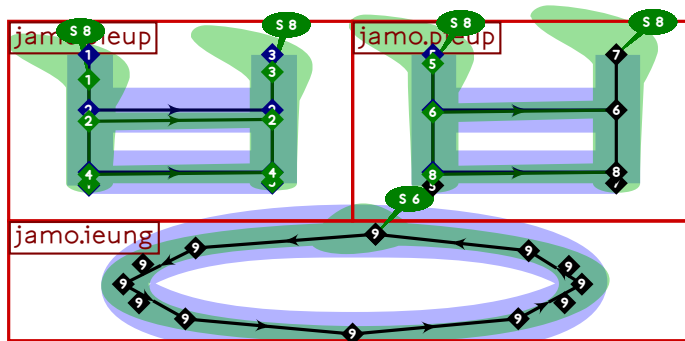
FF4

```

316 % hangul lead kapyeounpieup
317 begintsuglyph("uni112B.lj2",43);
318   hangul.combine.tb(107,521)(whatever,
319     hxf((200,850),(800,-50)) transformed lixf,loxf);
320   tsu_render;
321 endtsuglyph;
322

```

U+FF42C
mande.uni112C.lj2

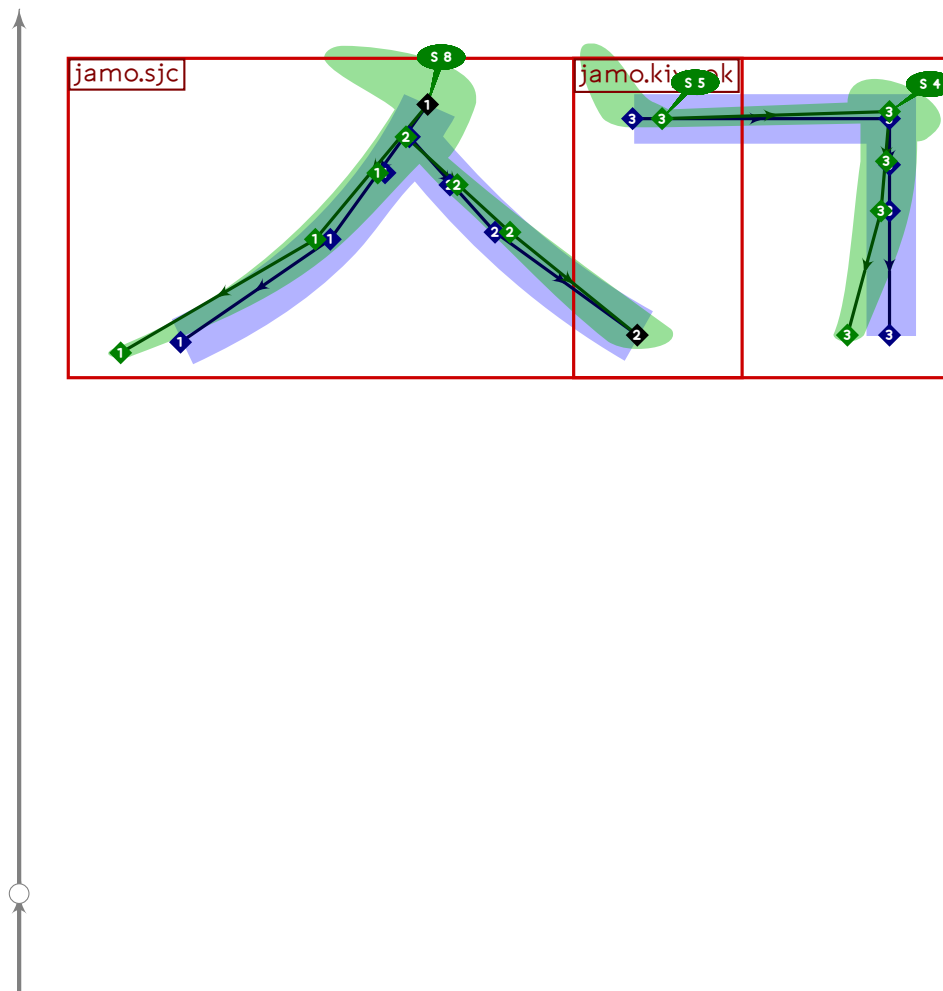


FF4

```

323 % hangul lead kapyeounssangpieup
324 begintsuglyph("uni112C.lj2",44);
325   hangul.combine.tb(108,521)(whatever,
326     hxf((150,850),(850,-50)) transformed lixf,loxf);
327   tsu_render;
328 endtsuglyph;
329

```

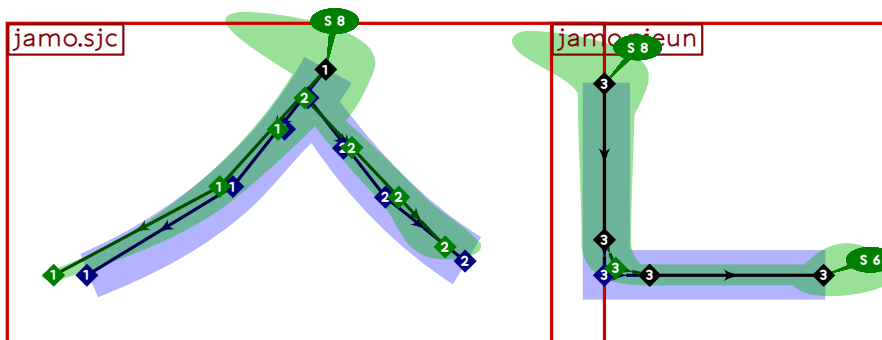
FF4

```

330 % hangul lead sios-kiyeok
331 begintsuglyph("uni112D.lj2";45);
332   hangul.combine.lr(109;100)(whatever,lixf,loxf);
333   tsu_render;
334 endtsuglyph;
335

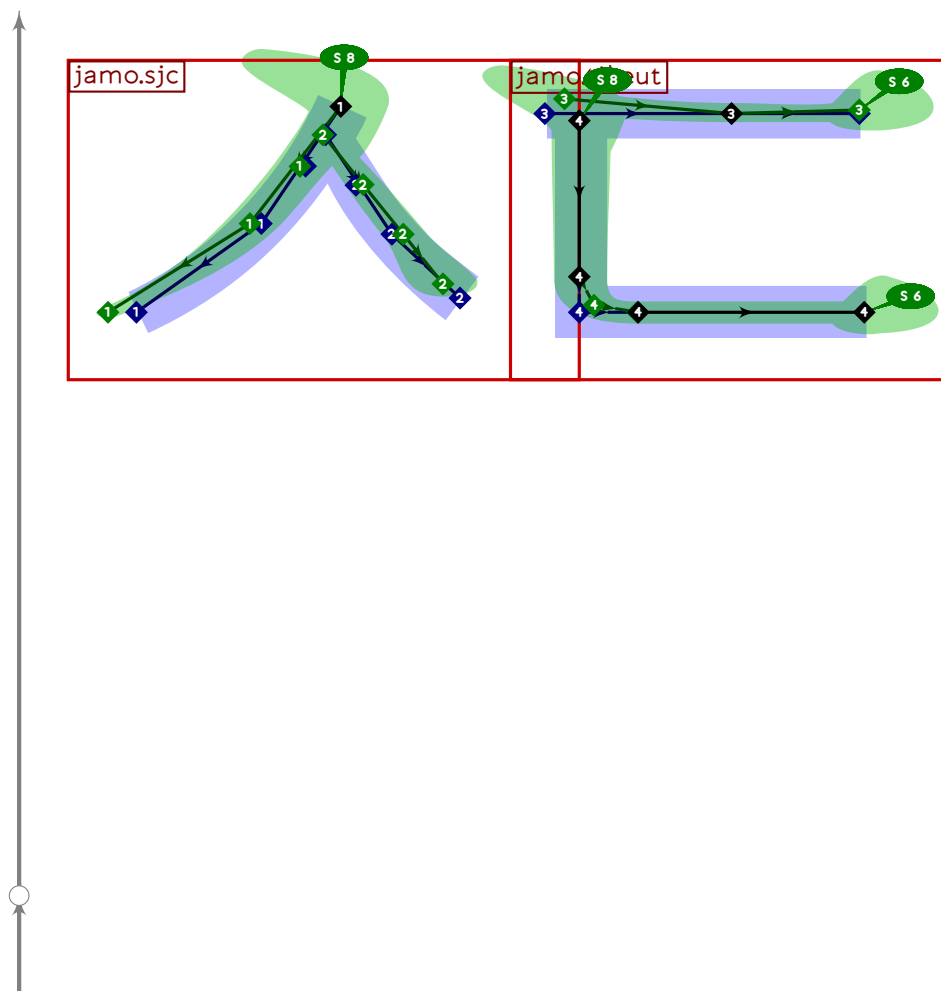
```

U+FF42E
mande.uni112E.lj2



FF4

```
336 % hangul lead sios-nieun
337 begint Suglyph("uni112E.lj2",46);
338   hangul.combine.lr(209,102)(whatever,lixf,loxf);
339   tsu_render;
340 endtsuglyph;
341
```



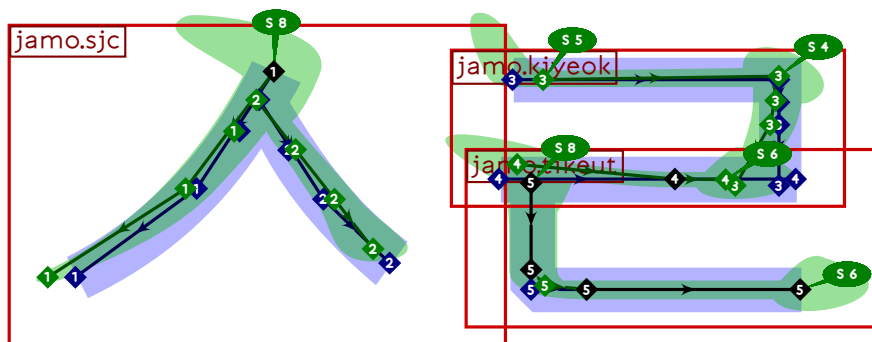
FF4

```

342 % hangul lead sios-tikeut
343 begint Suglyph("uni112F.lj2";47);
344   hangul.combine.lr(209,103)(whatever,lixf,loxf);
345   tsu_render;
346 endtsuglyph;
347

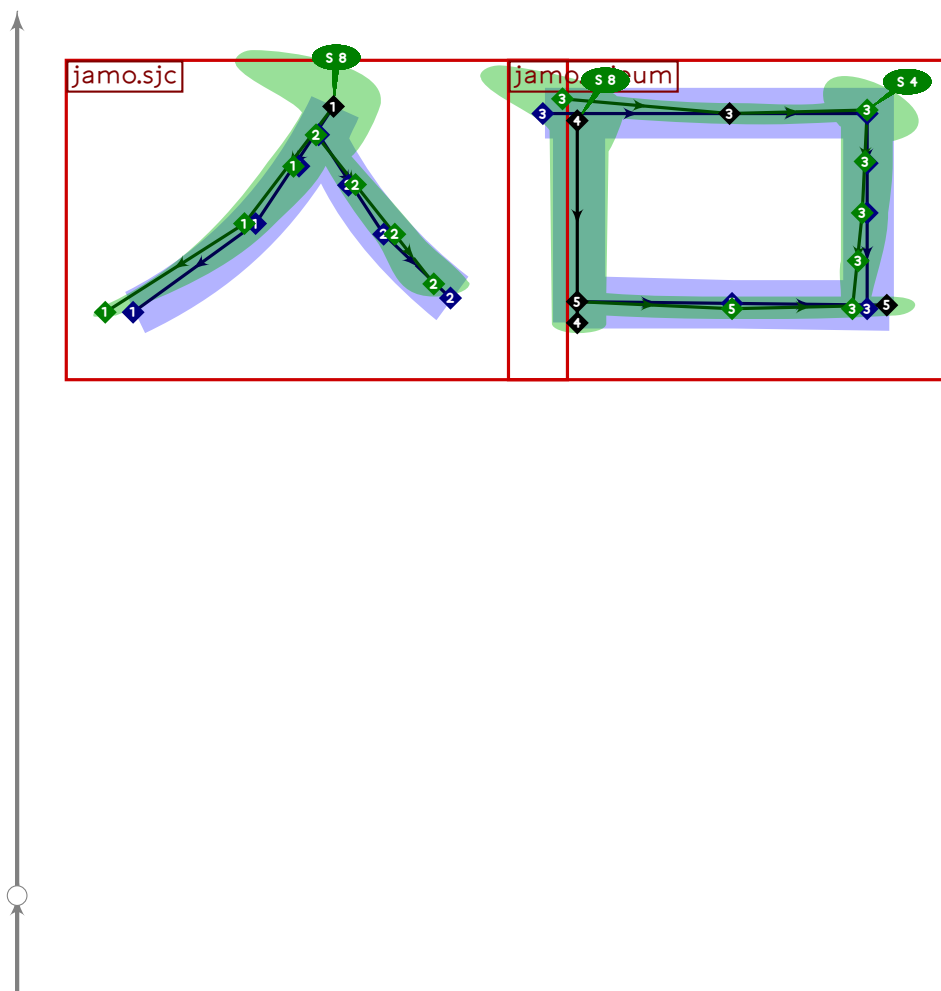
```

U+FF430
mande.uni1130.lj2



FF4

```
348 % hangul lead sios-rieul
349 begint Suglyph("uni1130.lj2",48);
350   hangul.combine.lr(209,105)(whatever,lixf,loxf);
351   tsu_render;
352 endtsuglyph;
353
```



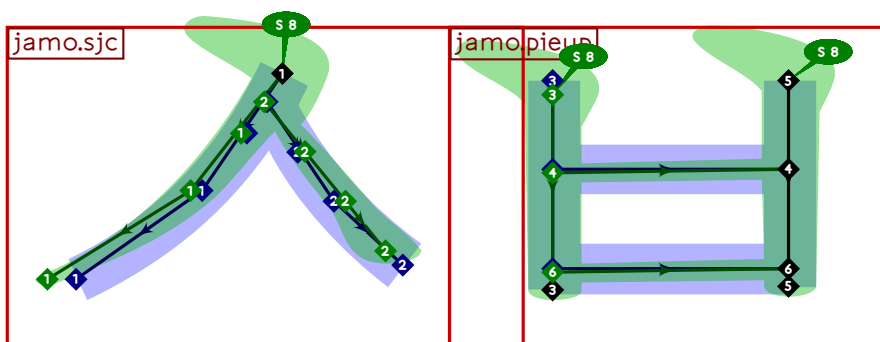
FF4

```

354 % hangul lead sios-mieum
355 begint Suglyph("uni1131.lj2"49);
356 hangul.combine.lr(209,106)(whatever,lixf,loxf);
357 tsu_render;
358 endtsuglyph;
359

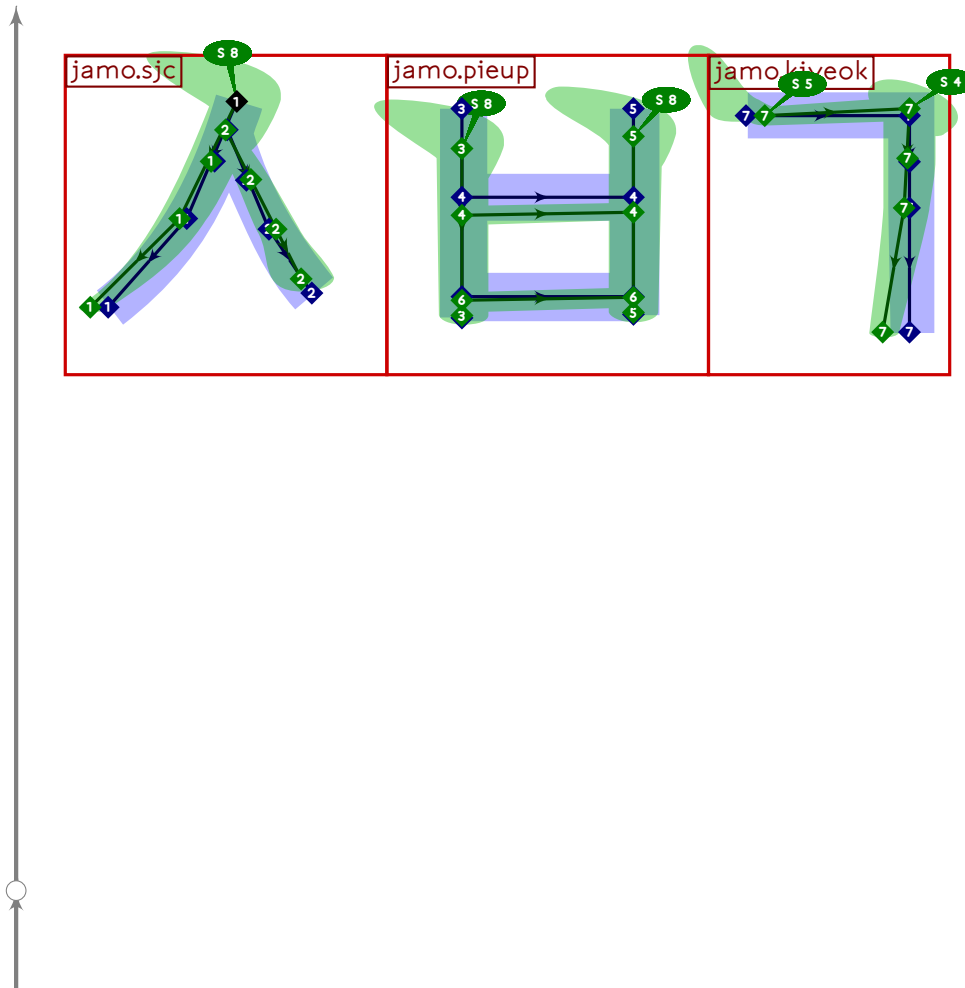
```

U+FF432
mande.uni1132.lj2



FF4

```
360 % hangul lead sios-pieup
361 begint Suglyph("uni1132.lj2",50);
362   hangul.combine.lr(209,107)(whatever,lixf,loxf);
363   tsu_render;
364 endtsuglyph;
365
```



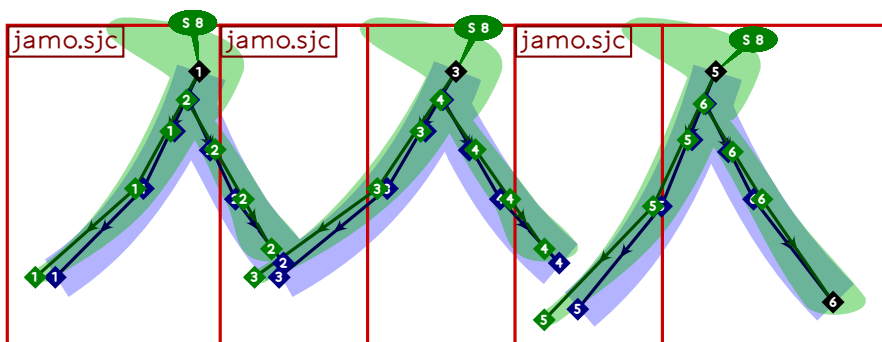
FF4

```

366 % hangul lead sios-pieup-kiyeok
367 begint Suglyph("uni1133.lj2",51);
368   hangul.combine.lcr(209,207,100)(whatever,lixf,loxf);
369   tsu_render;
370 endtsuglyph;
371

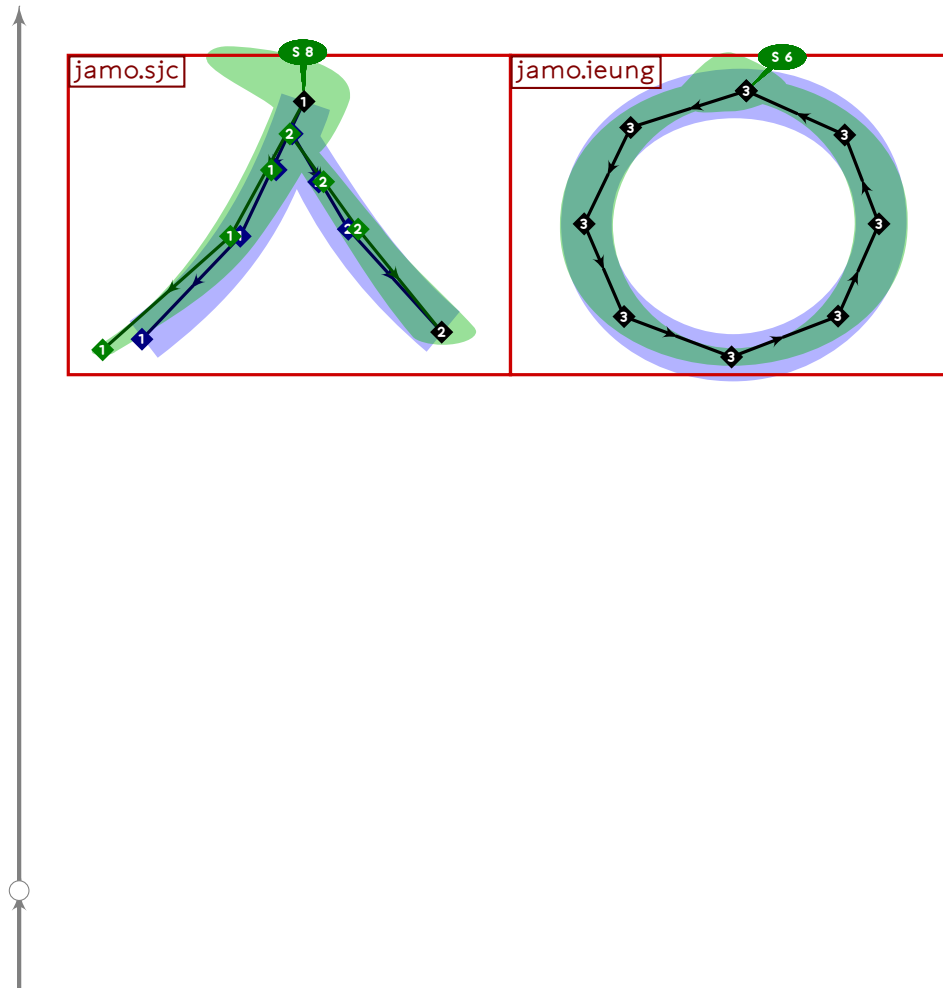
```

U+FF434
mande.uni1134.lj2



FF4

```
372 % hangul lead sios-sios-sios
373 begintsuglyph("uni1134.lj2";52);
374   hangul.combine.lcr(209,209,109)(whatever,lixf,loxf);
375   tsu_render;
376 endtsuglyph;
377
```

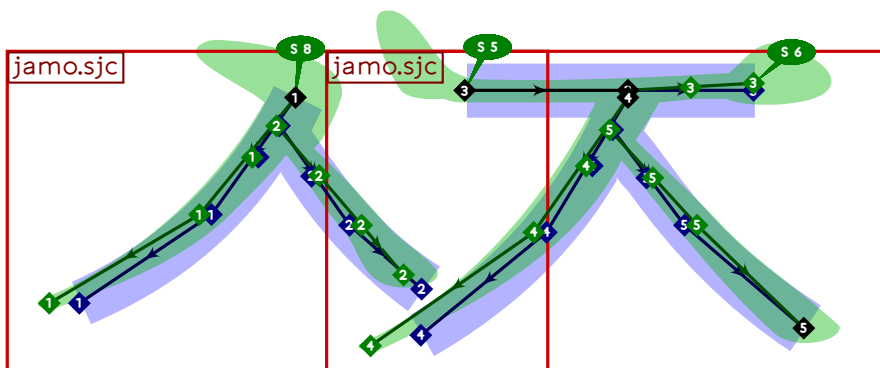
FF4

```

378 % hangul lead sios-ieung
379 begint Suglyph("uni1135.lj2",53);
380 hangul.combine.lr(109,111)(whatever,lixf,loxf);
381 tsu_render;
382 endtsuglyph;
383

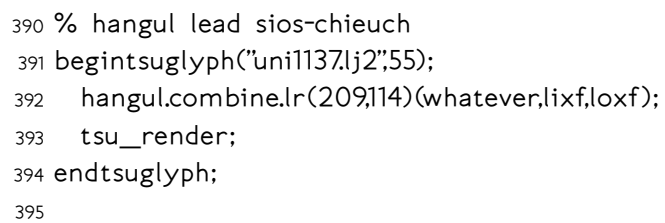
```

U+FF436
mande.uni1136.lj2

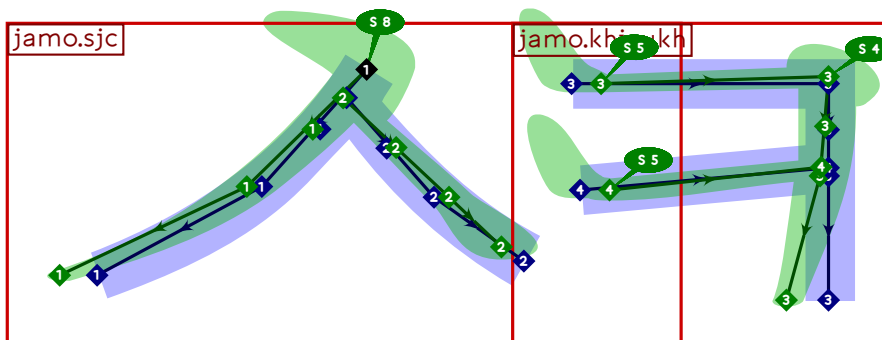


FF4

```
384 % hangul lead sios-cieuc
385 begintsuglyph("uni1136.lj2";54);
386   hangul.combine.lr(209,112)(whatever,lixf,loxf);
387   tsu_render;
388 endtsuglyph;
389
```

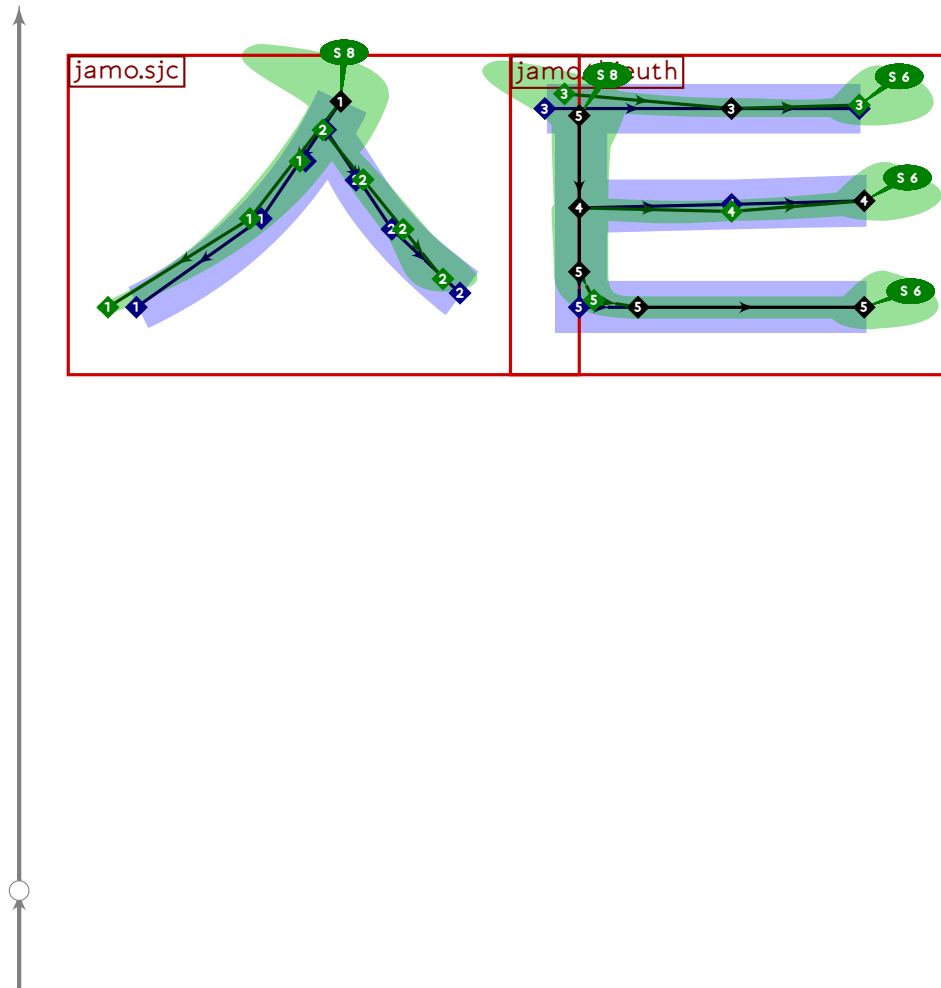


U+FF438
mande.uni1138.lj2



FF4

```
396 % hangul lead sios-khieukh
397 begintsuglyph("uni1138.lj2";56);
398   hangul.combine.lr(209,115)(whatever,lxf,loxf);
399   tsu_render;
400 endtsuglyph;
401
```



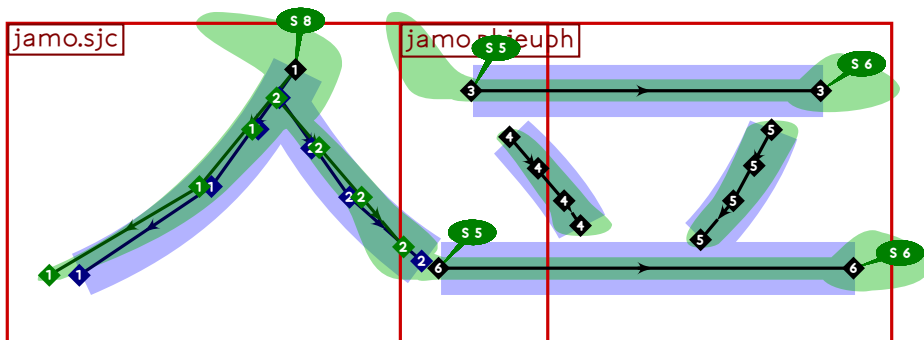
FF4

```

402 % hangul lead sios-thieuth
403 begint Suglyph("uni1139.lj2";57);
404   hangul.combine.lr(209,116)(whatever,lxf,loxf);
405   tsu_render;
406 endtsuglyph;
407

```

U+FF43A
mande.uni113A.lj2

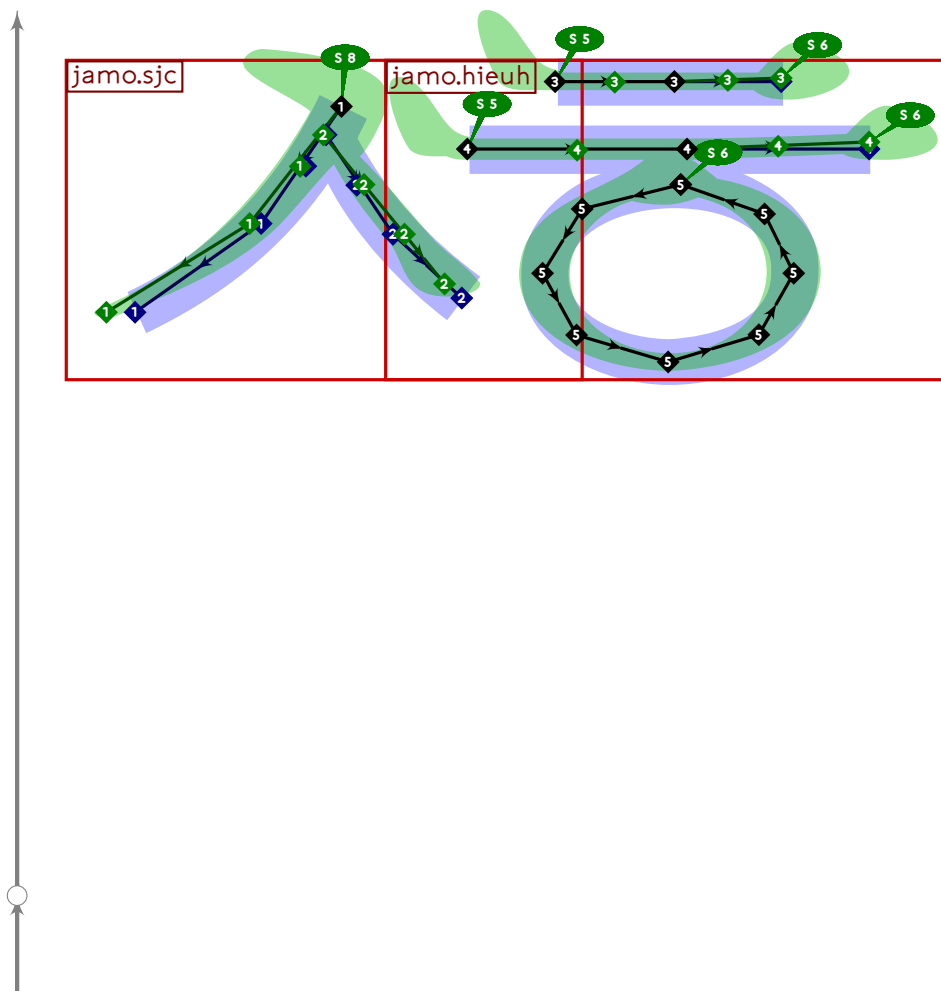


FF4

```

408 % hangul lead sios-phieuph
409 begint Suglyph("uni113A.lj2";58);
410   hangul.combine.lr(209,117)(whatever,lixf,loxf);
411   tsu_render;
412 endtsuglyph;
413

```



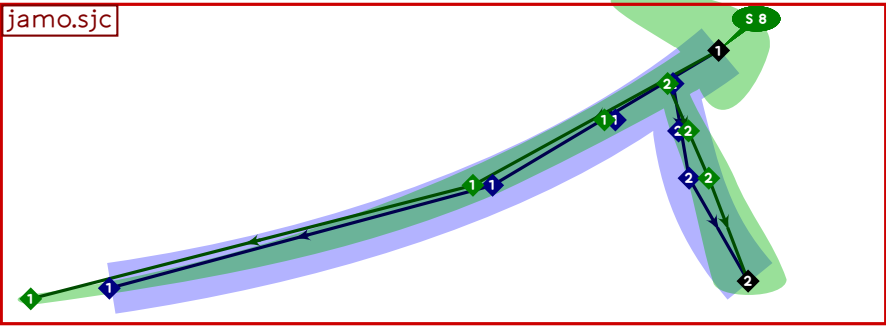
FF4

```

414 % hangul lead sios-hieuh
415 begint Suglyph("uni113B.lj2",59);
416   hangul.combine.lr(209,118)(whatever,lixf,loxf);
417   tsu_render;
418 endtsuglyph;
419

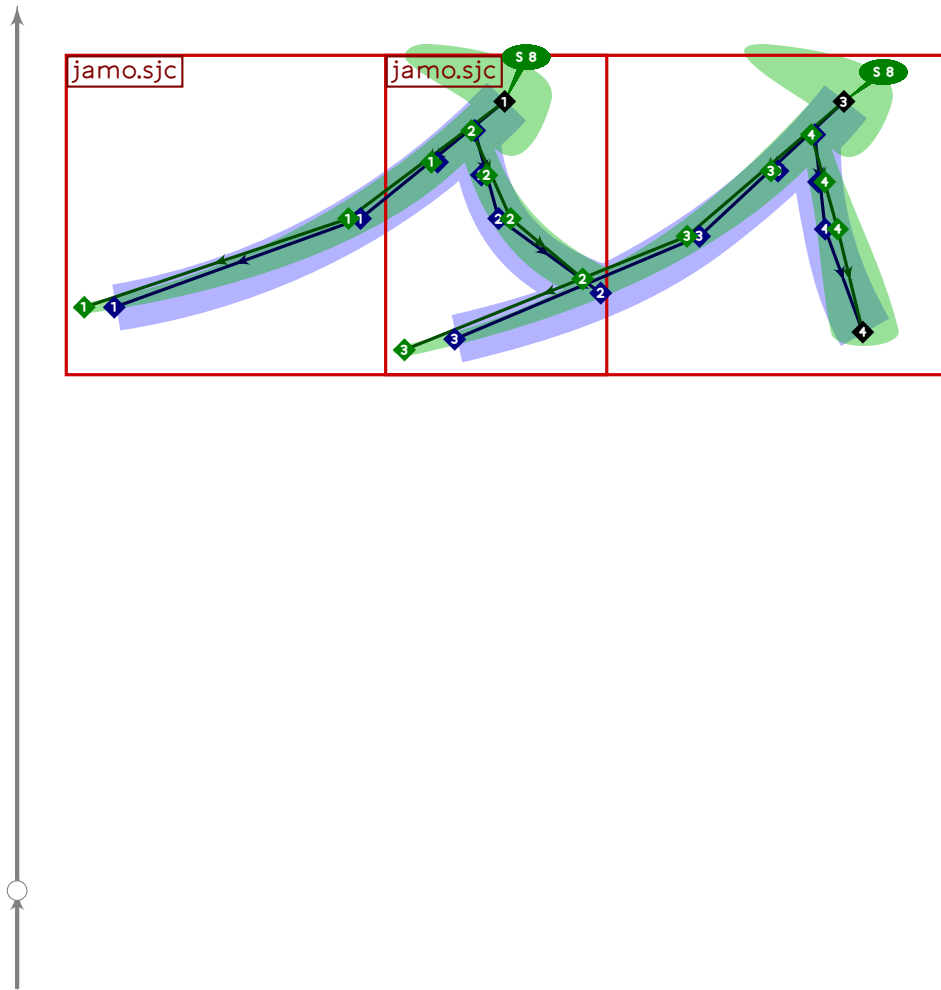
```

U+FF43C
mande.uni113C.lj2



FF4

```
420 % hangul lead chitueumsios
421 begintsuglyph("uni113C.lj2",60);
422   hangul.jamo.sjc(0,1,false)(whatever,lixf,loxf);
423   tsu_render;
424 endtsuglyph;
425
```

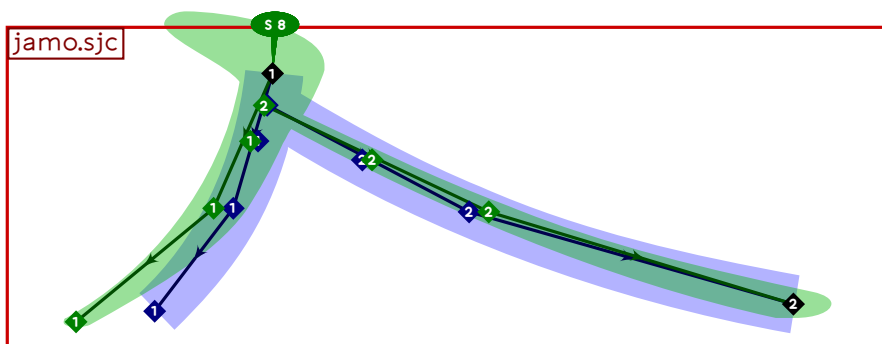
FF4

```

426 % hangul lead chitueumssangsios
427 begintsuglyph("uni113D.lj2",61);
428   hangul.combine.lr(223,222)(whatever,lixf,loxf);
429   tsu_render;
430 endtsuglyph;
431

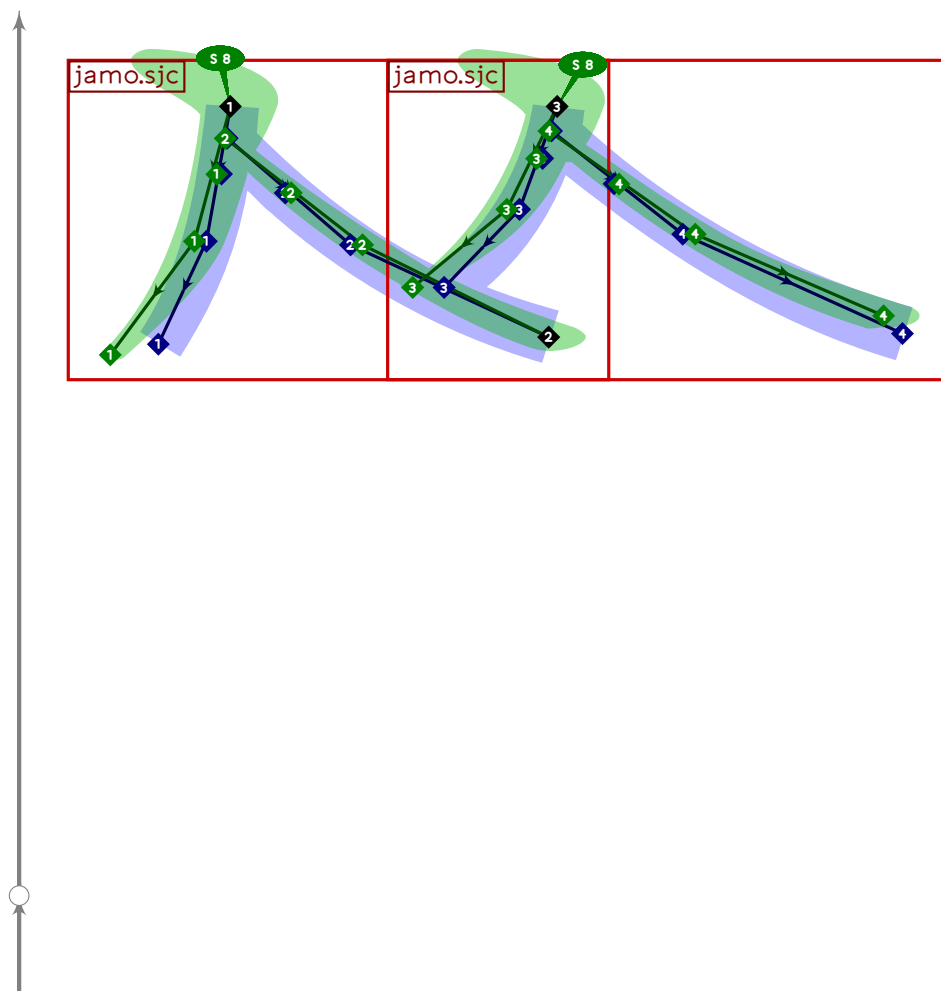
```

U+FF43E
mande.uni113E.lj2



FF4

```
432 % hangul lead ceongchieumsios
433 begint Suglyph("uni113E.lj2",62);
434   hangul.jamo.sjc(0,-1,false)(whatever,lixf,loxf);
435   tsu_render;
436 endtsuglyph;
437
```



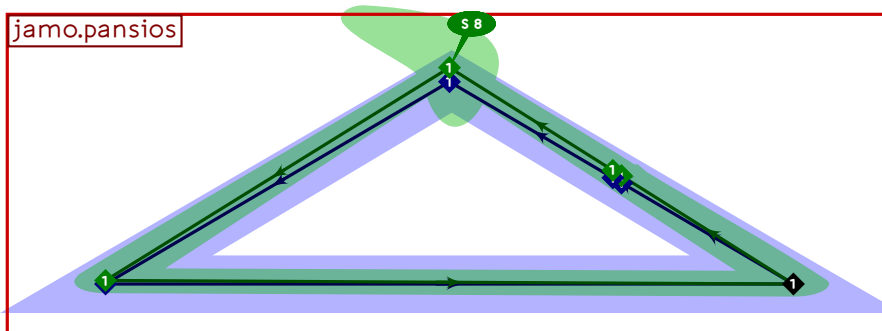
FF4

```

438 % hangul lead ceongchieumssangsios
439 begintsuglyph("uni113F.lj2";63);
440 hangul.combine.lr(224,225)(whatever,lixf,loxf);
441 tsu_render;
442 endtsuglyph;
443

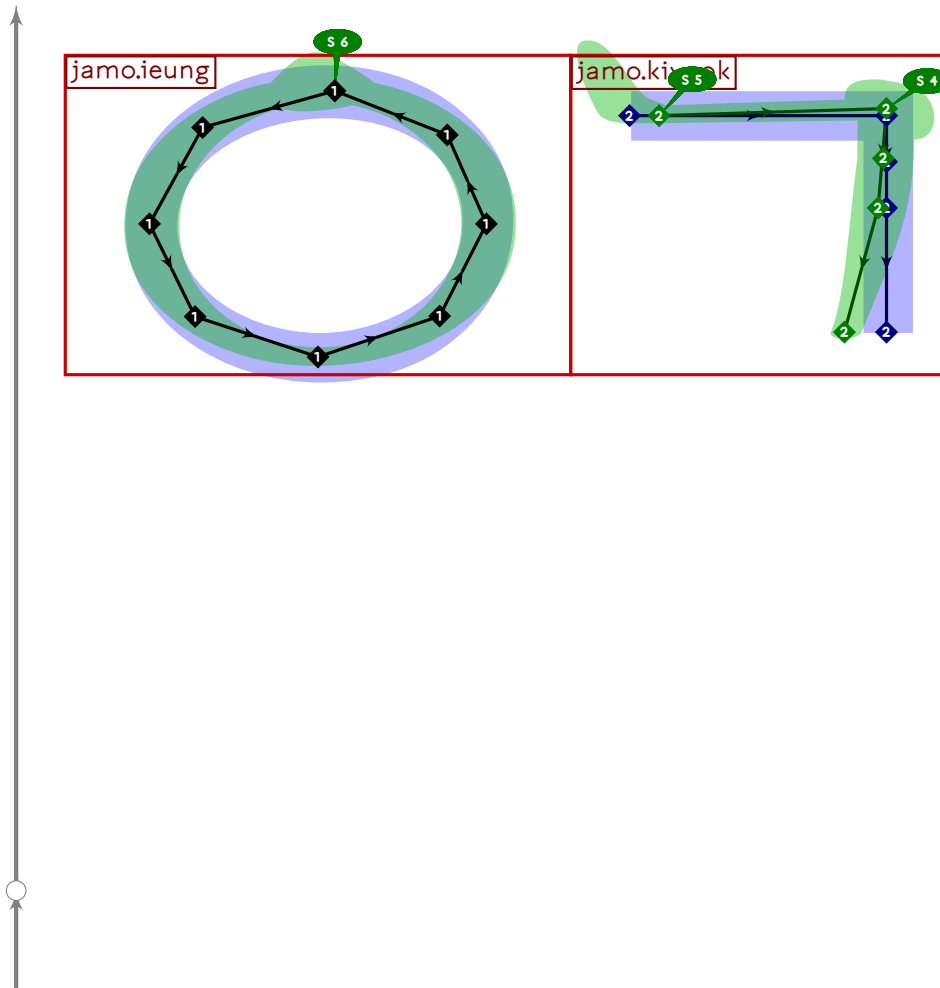
```

U+FF440
mande.uni1140.lj2



FF4

```
444 % hangul lead pansios
445 begint Suglyph("uni1140.lj2",64);
446 hangul.jamo.pansios(whatever,lixf,loxf);
447 tsu_render;
448 endtsuglyph;
449
```



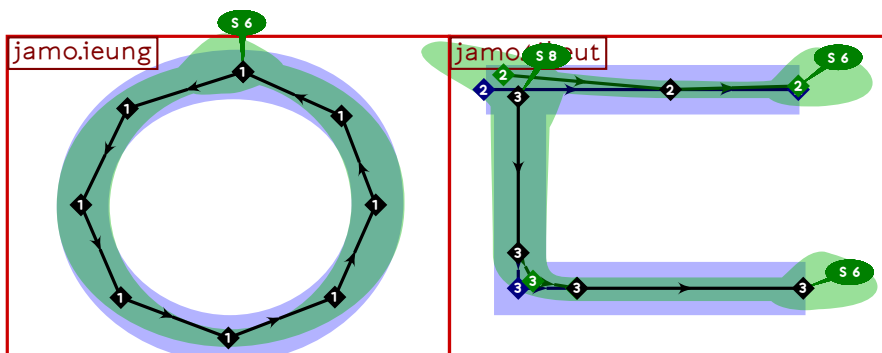
FF4

```

450 % hangul lead ieung-kiyeok
451 begint Suglyph("uni1141.lj2";65);
452   hangul.combine.lr(111,100)(whatever,lixf,loxf);
453   tsu_render;
454 endtsuglyph;
455

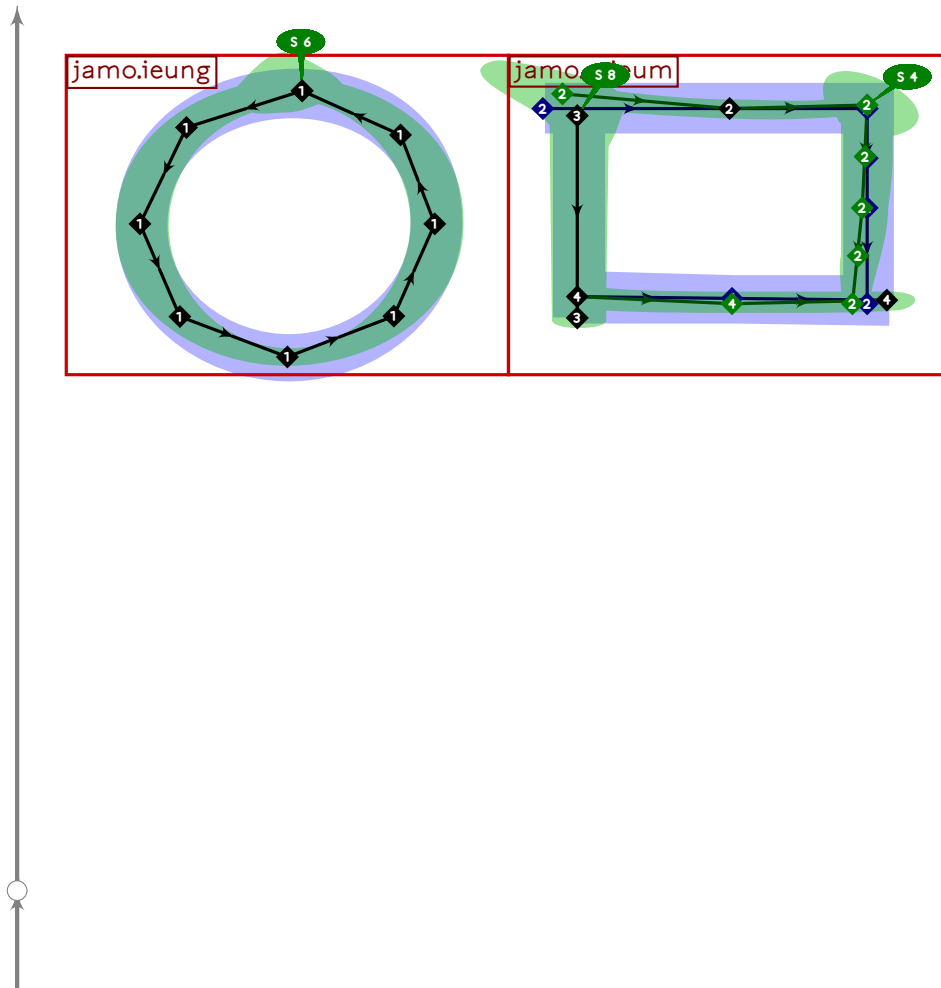
```

U+FF442
mande.uni1142.lj2



FF4

```
456 % hangul lead ieung-tikeut
457 beginsuglyph("uni1142.lj2";66);
458 hangul.combine.lr(111,103)(whatever,lixf,loxf);
459 tsu_render;
460 endsuglyph;
461
```



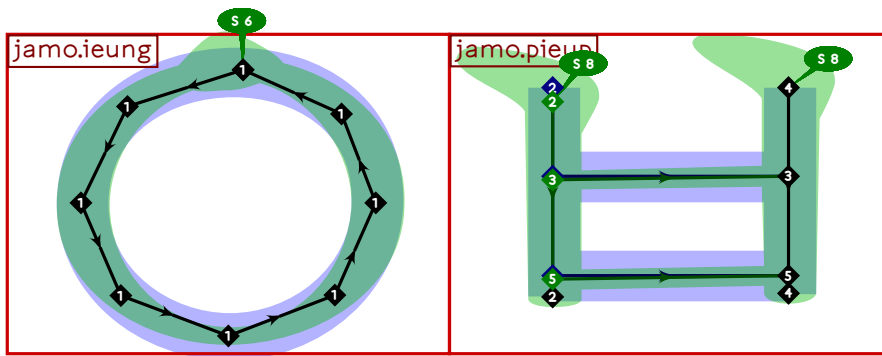
FF4

```

462 % hangul lead ieung-mieum
463 beginsuglyph("uni1143.lj2",67);
464   hangul.combine.lr(111,106)(whatever,lixf,loxf);
465   tsu_render;
466 endsuglyph;
467

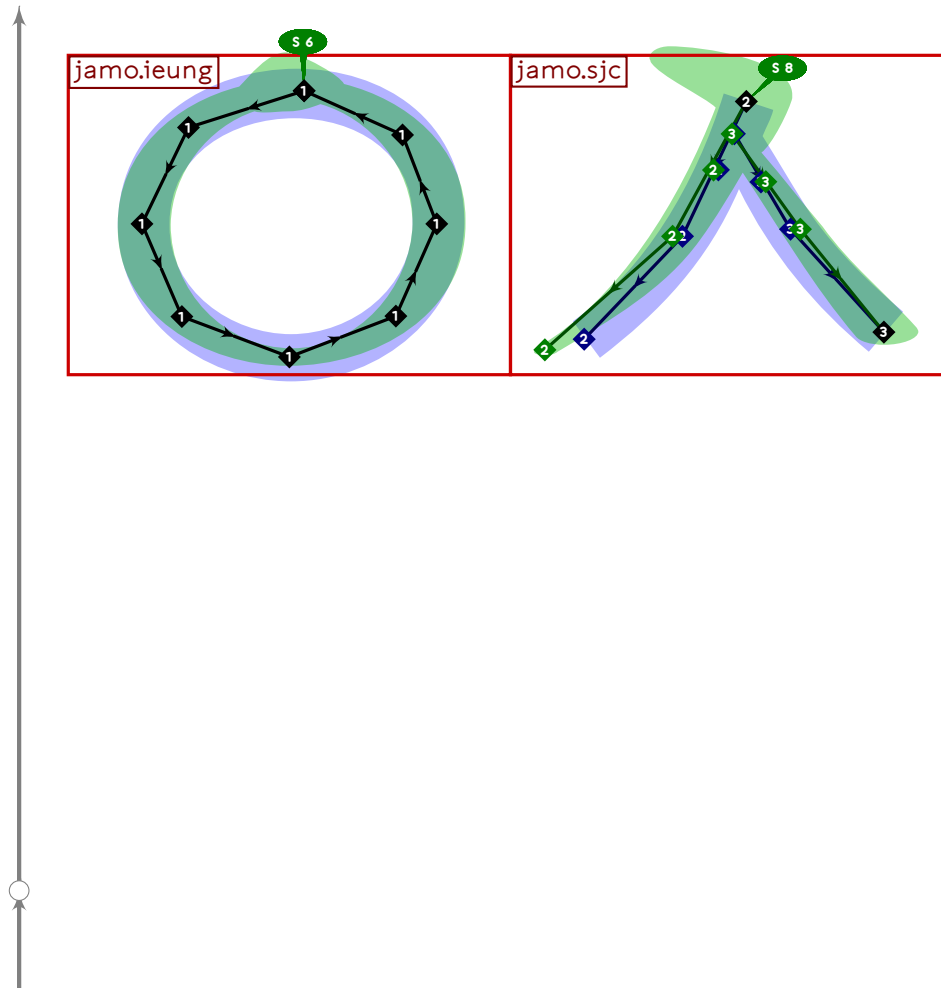
```

U+FF444
mande.uni1144.lj2



FF4

```
468 % hangul lead ieung-pieup
469 beginsuglyph("uni1144.lj2";68);
470 hangul.combine.lr(111,107)(whatever,lixf,loxf);
471 tsu_render;
472 endsuglyph;
473
```

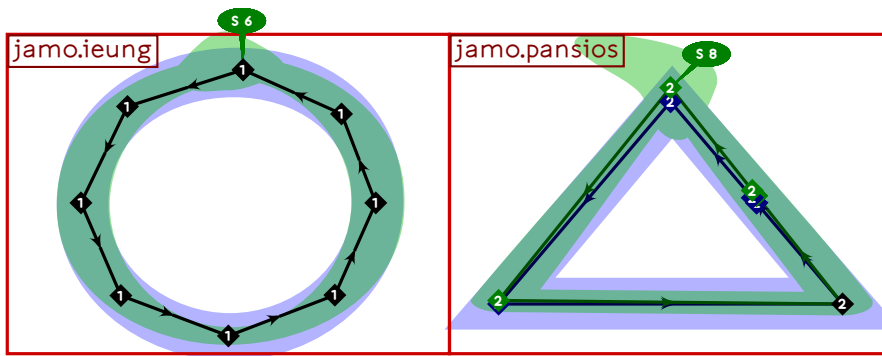
FF4

```

474 % hangul lead ieung-sios
475 begintsuglyph("uni1145.lj2",69);
476   hangul.combine.lr(111,109)(whatever,lixf,loxf);
477   tsu_render;
478 endtsuglyph;
479

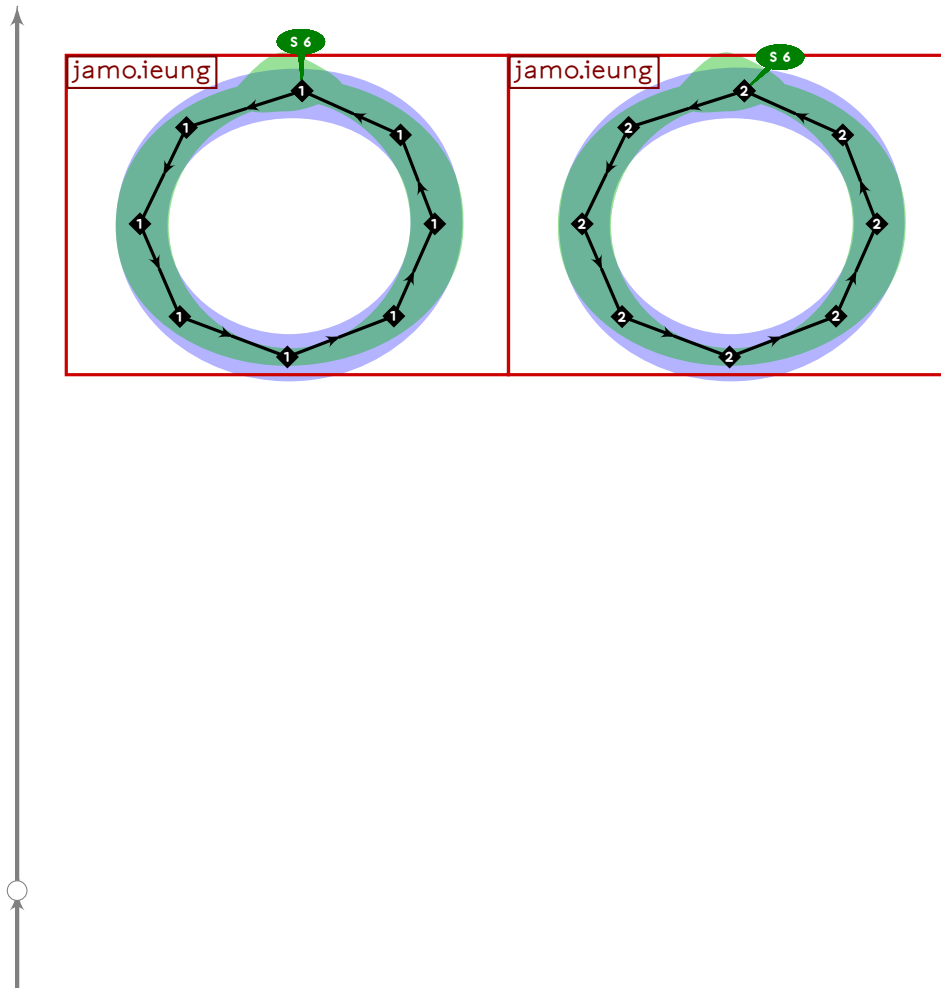
```

U+FF446
mande.uni1146.lj2



FF4

```
480 % hangul lead ieung-pansios
481 beginsuglyph("uni1146.lj2";70);
482   hangul.combine.lr(111,219)(whatever,lixf,loxf);
483   tsu_render;
484 endtsuglyph;
485
```



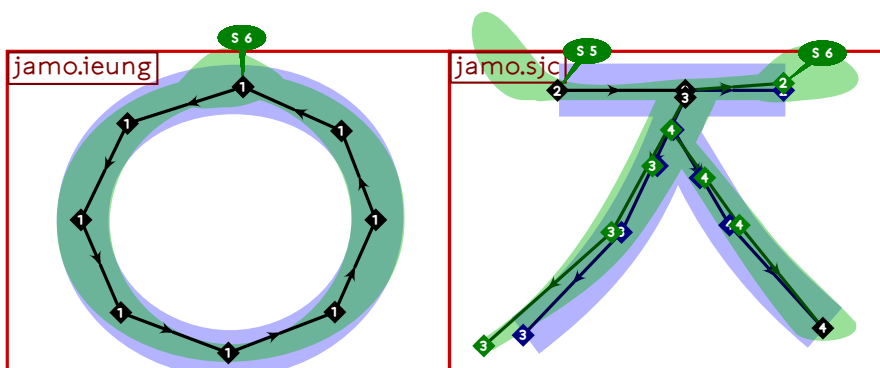
FF4

```

486 % hangul lead ssangieung
487 beginsuglyph("uni1147.lj2";71);
488   hangul.combine.lr(111,111)(whatever,lixf,loxf);
489   tsu_render;
490 endsuglyph;
491

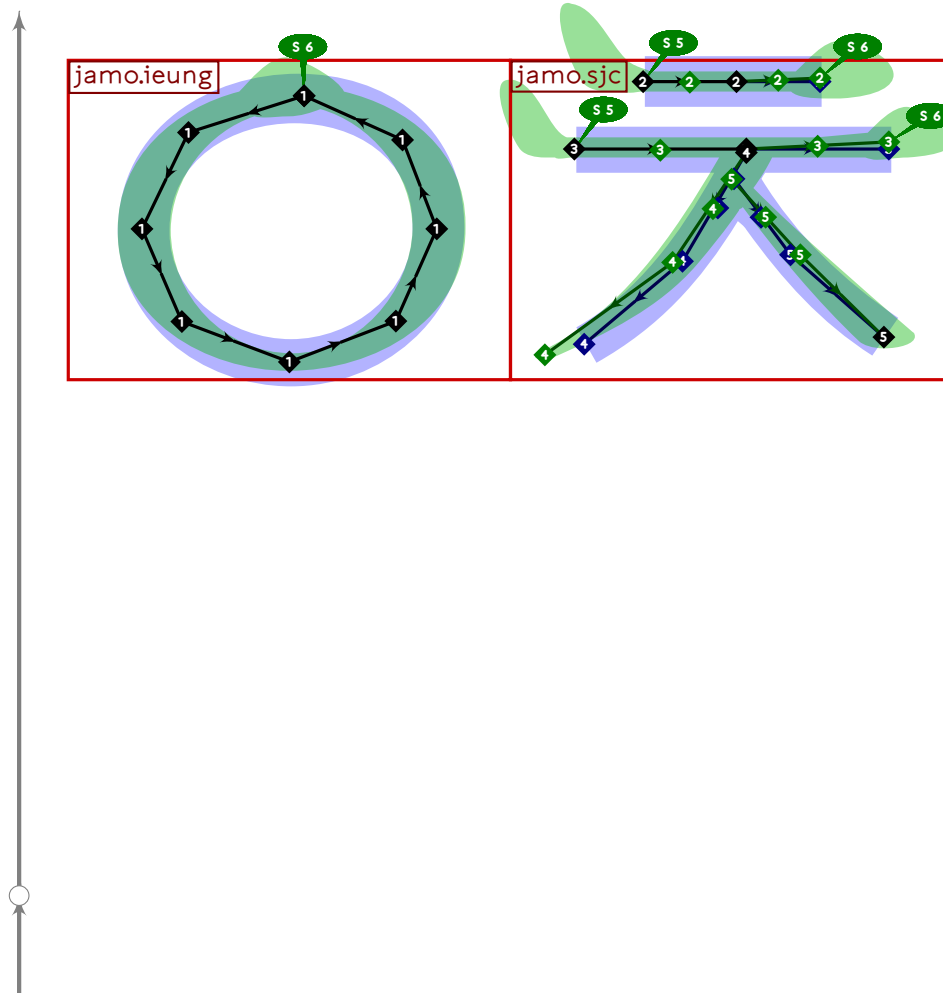
```

U+FF448
mande.uni1148.lj2



FF4

```
492 % hangul lead ieung-cieuc
493 begintsuglyph("uni1148.lj2";72);
494 hangul.combine.lr(111,112)(whatever,lixf,loxf);
495 tsu_render;
496 endtsuglyph;
497
```



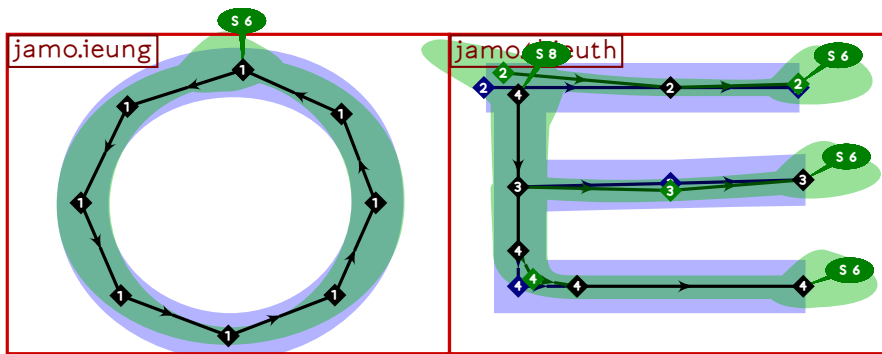
FF4

```

498 % hangul lead ieung-chieuch
499 begint Suglyph("uni1149.lj2";73);
500 hangul.combine.lr(111,114)(whatever,lixf,loxf);
501 tsu_render;
502 endtsuglyph;
503

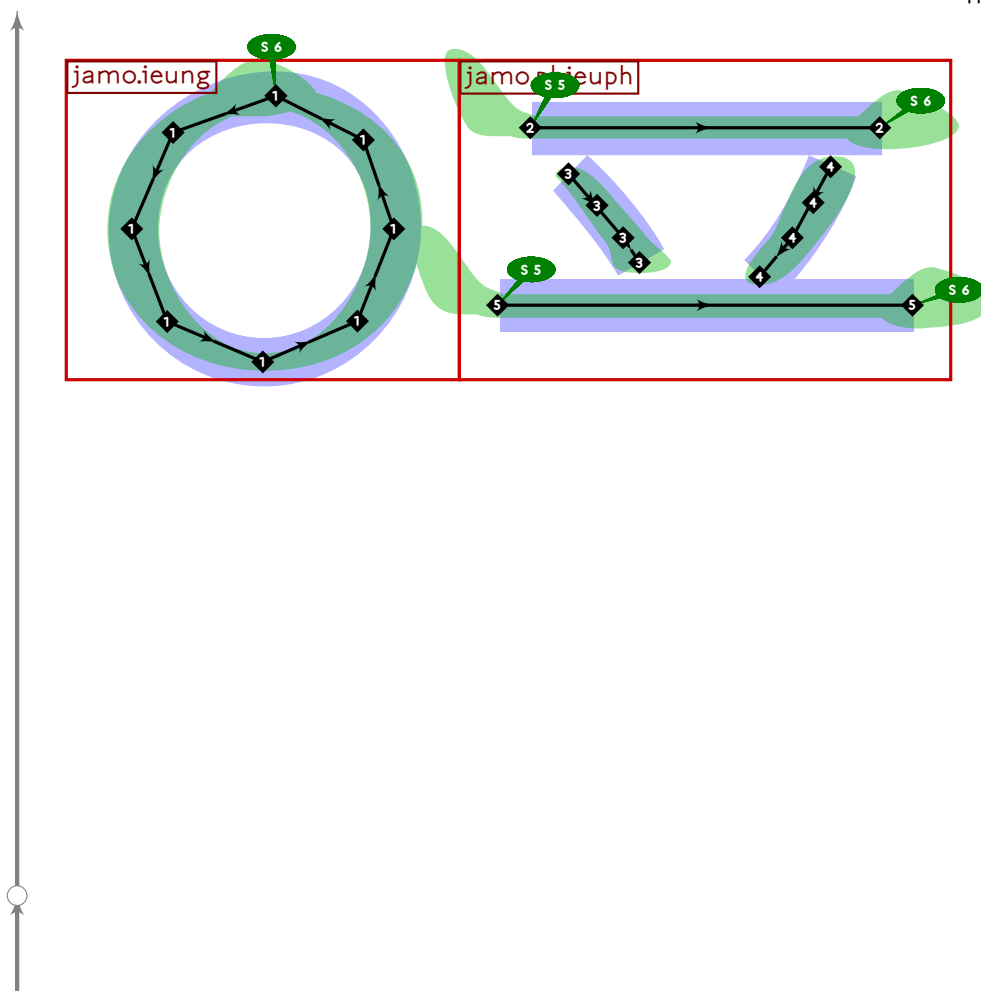
```

U+FF44A
mande.uni114A.lj2



FF4

```
504 % hangul lead ieung-theiuth
505 begint Suglyph("uni114A.lj2";74);
506   hangul.combine.lr(111,116)(whatever,lixf,loxf);
507   tsu_render;
508 endtsuglyph;
509
```



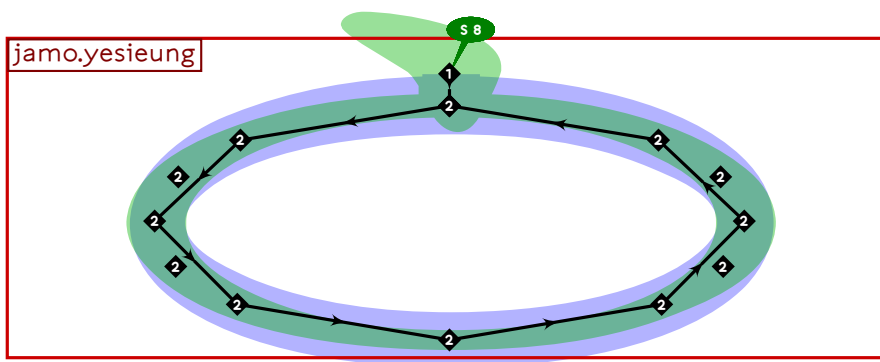
FF4

```

510 % hangul lead ieung-phieuph
511 begint Suglyph("uni114B.lj2";75);
512   hangul.combine.lr(111,117)(whatever,lixf,loxf);
513   tsu_render;
514 endtsuglyph;
515

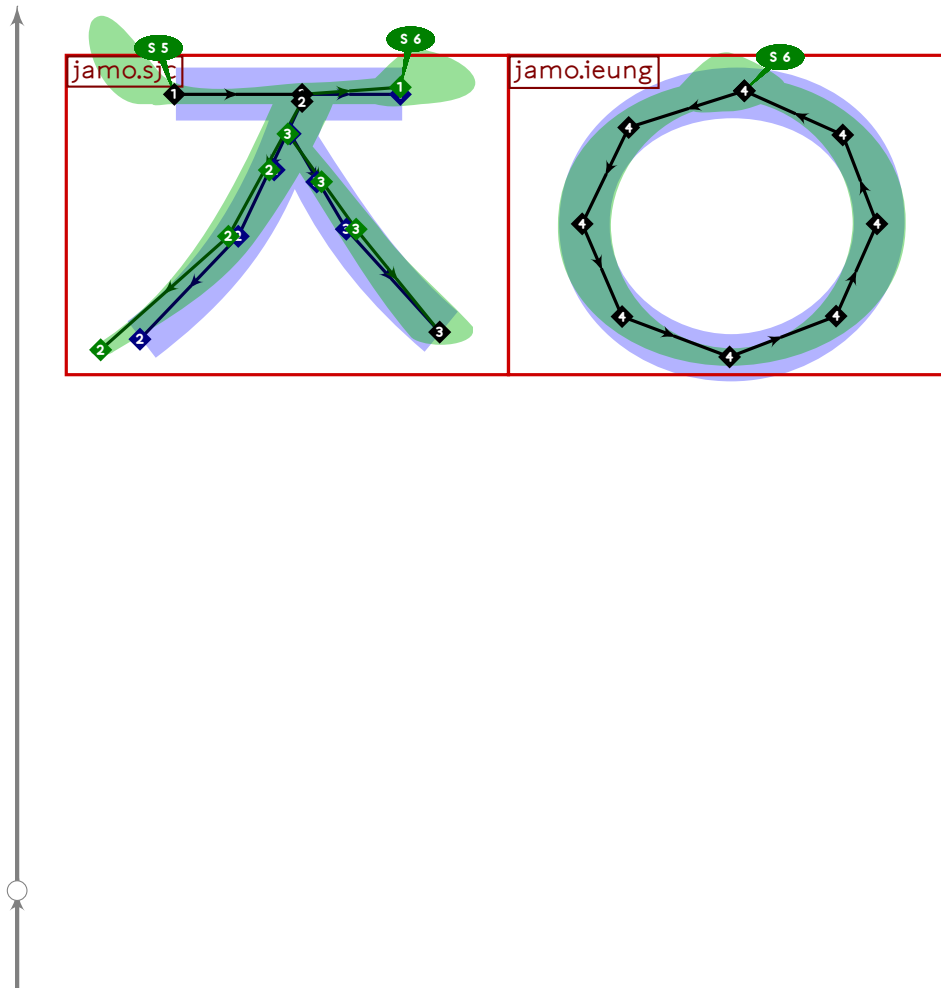
```

U+FF44C
mande.uni114C.lj2



FF4

```
516 % hangul lead yesieung
517 beginsuglyph("uni114C.lj2";76);
518 hangul.jamo.yesieung(whatever,lixf,loxf);
519 tsu_render;
520 endsuglyph;
521
```

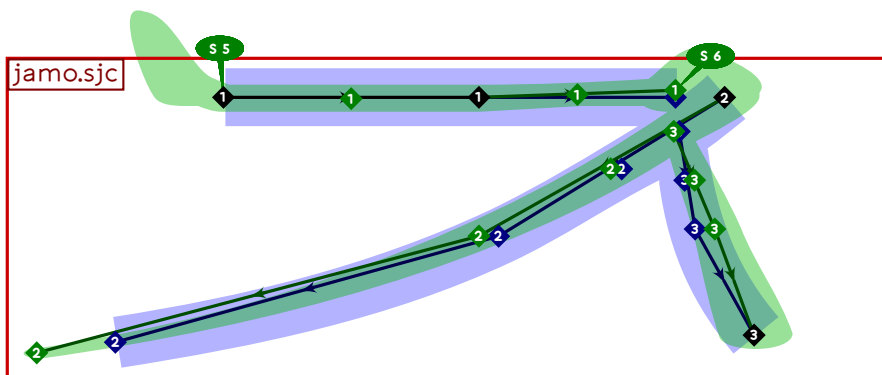
FF4

```

522 % hangul lead cieuc-ieung
523 begint Suglyph("uni114D.lj2";77);
524   hangul.combine.lr(112,111)(whatever,lixf,loxf);
525   tsu_render;
526 endtsuglyph;
527

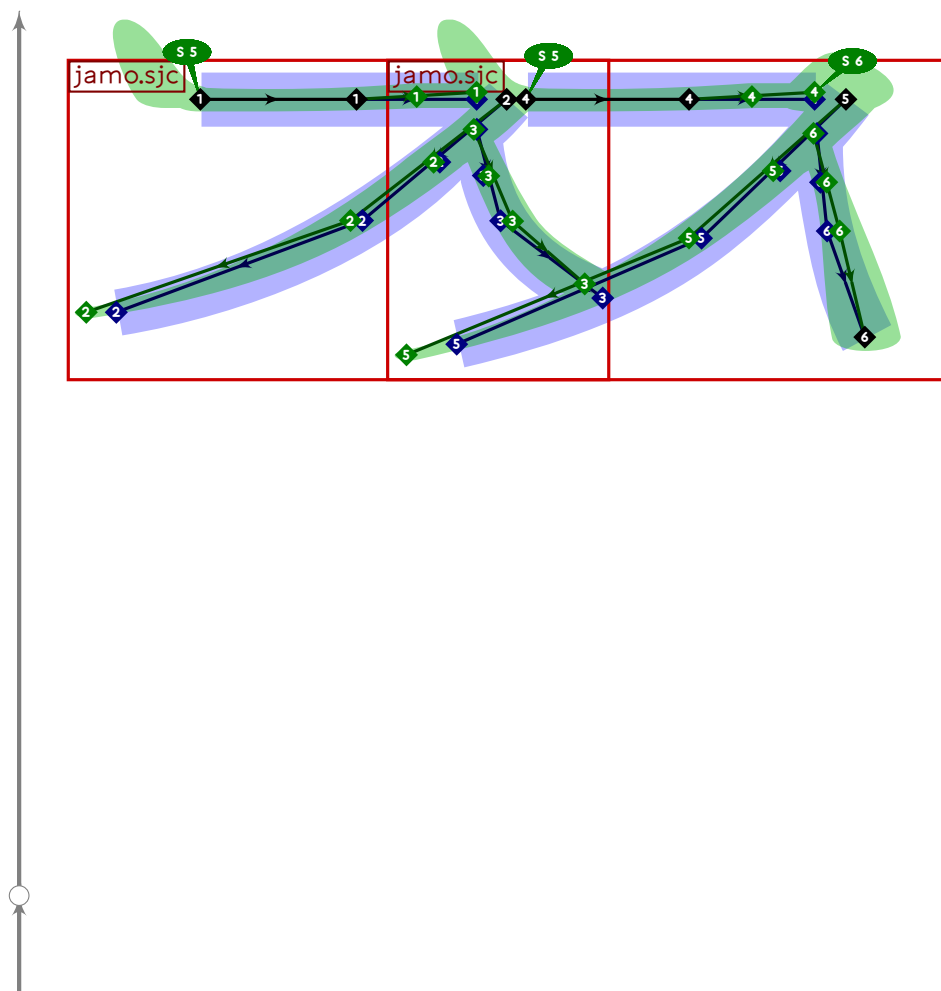
```

U+FF44E
mande.uni114E.lj2



FF4

```
528 % hangul lead chitueumcieuc
529 begint Suglyph("uni114E.lj2",78);
530 hangul.jamo.sjc(1,1,false)(whatever,lixf,loxf);
531 tsu_render;
532 endtsuglyph;
533
```



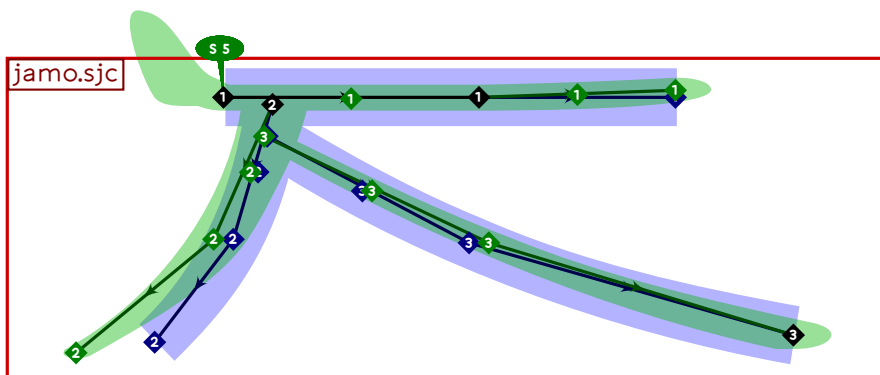
FF4

```

534 % hangul lead chitueumssangcieuc
535 beginsuglyph("uni114F.lj2";79);
536   hangul.combine.lr(227,226)(whatever,lixf,loxf);
537   tsu_render;
538 endsuglyph;
539

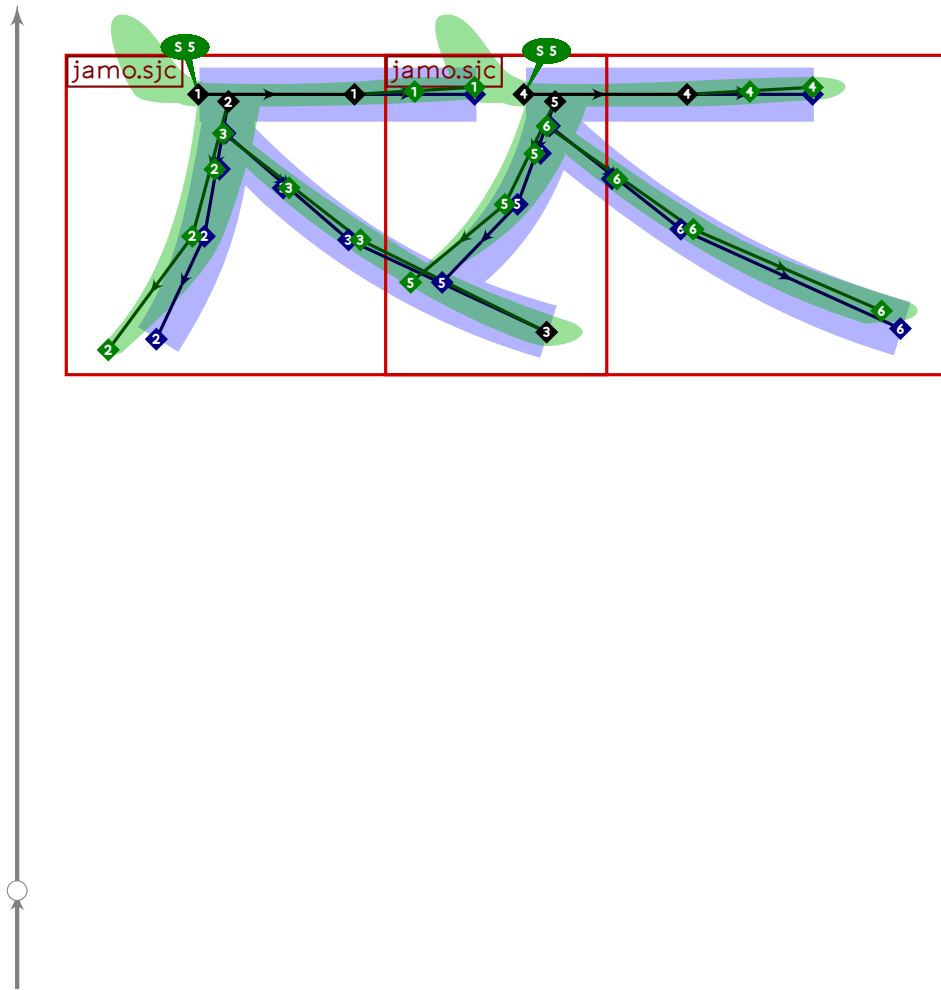
```

U+FF450
mande.uni1150.lj2



FF4

```
540 % hangul lead ceongchieumcieuc
541 begint Suglyph("uni1150.lj2";80);
542   hangul.jamo.sjc(1,-1,false)(whatever,lixf,loxf);
543   tsu_render;
544 endtsuglyph;
545
```



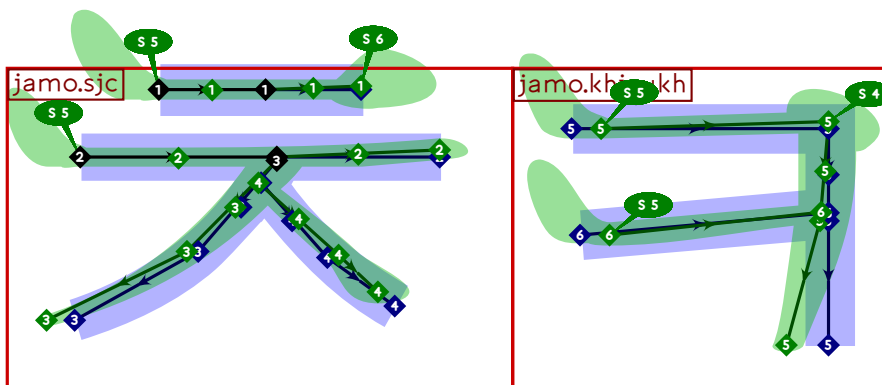
FF4

```

546 % hangul lead ceongchieumssangcieuc
547 begint Suglyph("uni1151.lj2";81);
548   hangul.combine.lr(228,229)(whatever,lxf,loxf);
549   tsu_render;
550 endtsuglyph;
551

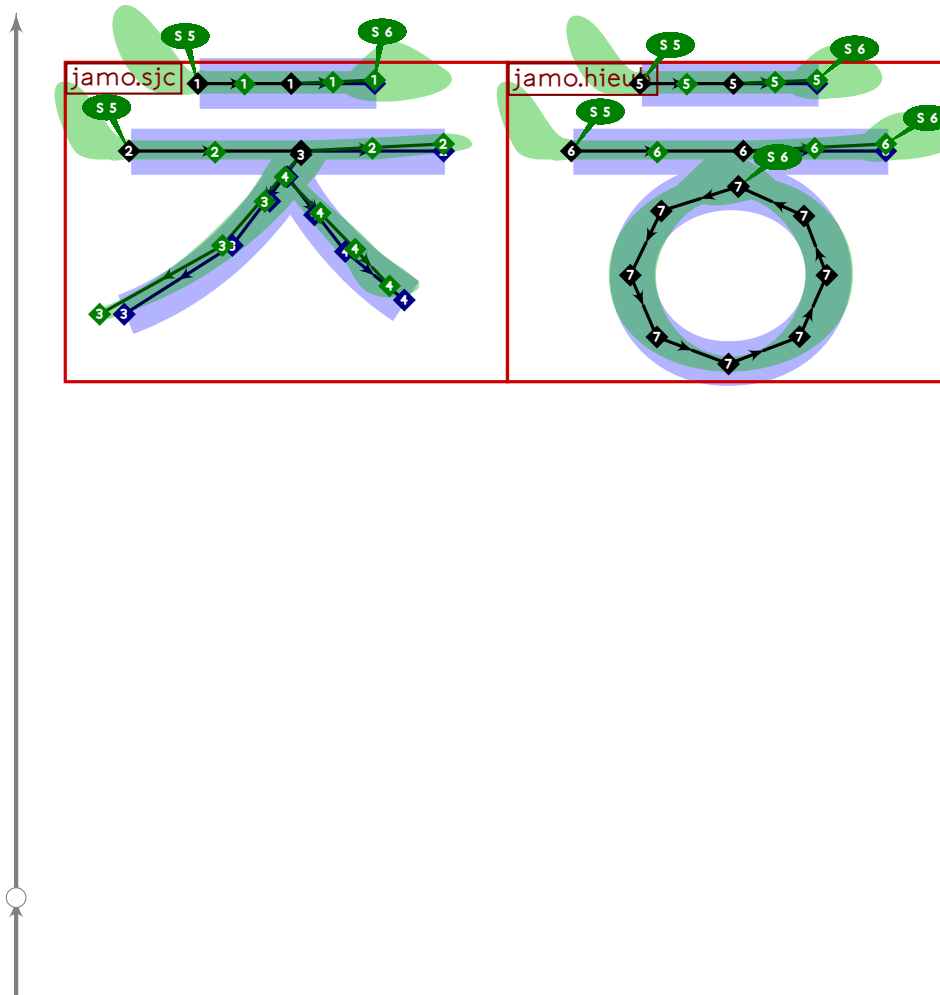
```

U+FF452
mande.uni1152.lj2



FF4

```
552 % hangul lead chieuch-khieukh
553 begint Suglyph("uni1152.lj2";82);
554   hangul.combine.lcr(214,230,115)(whatever,lixf,loxf);
555   tsu_render;
556 endtsuglyph;
557
```



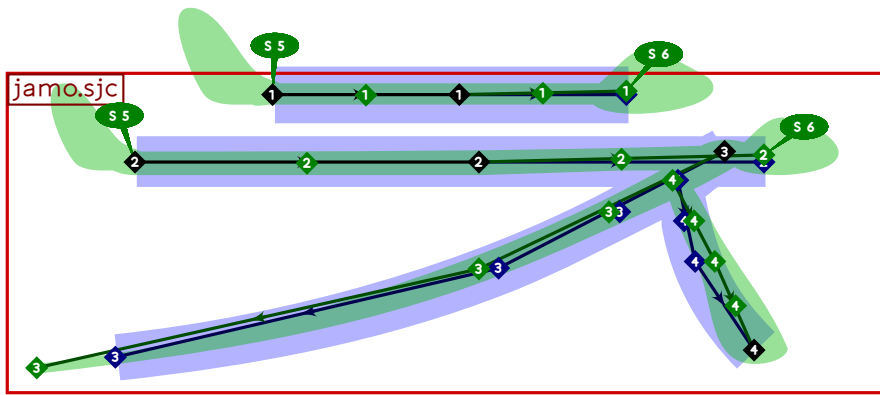
FF4

```

558 % hangul lead chieuch-hieuh
559 begint Suglyph("uni1153.lj2",83);
560 hangul.combine.lcr(214,230,118)(whatever,lixf,loxf);
561 tsu_render;
562 endtsuglyph;
563

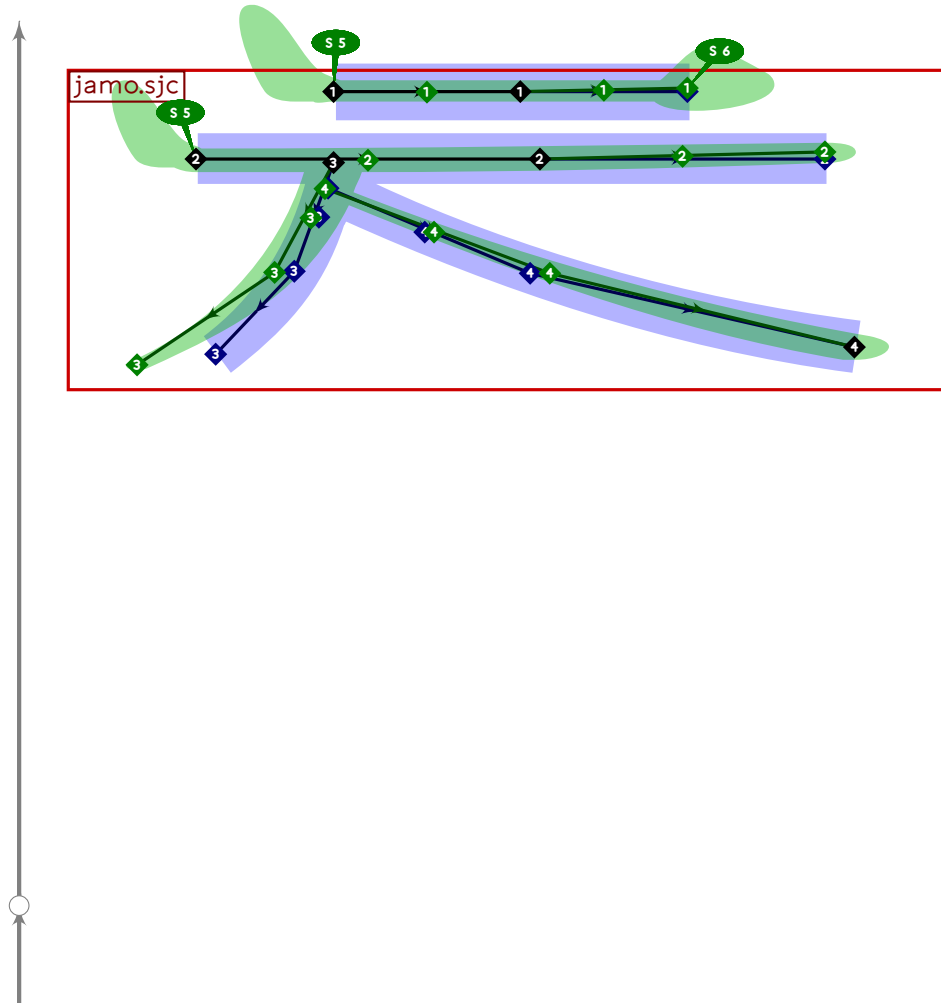
```

U+FF454
mande.uni1154.lj2



FF4

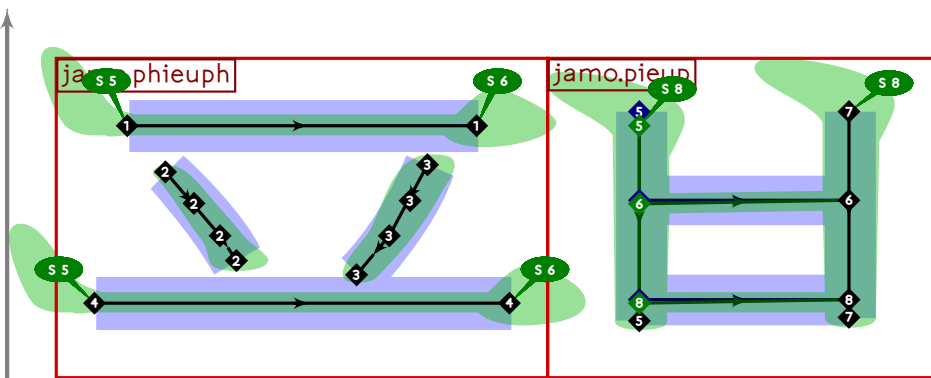
```
564 % hangul lead chitueumcieuc
565 begint Suglyph("uni1154.lj2";84);
566   hangul.jamo.sjc(2,1,false)(whatever,lixf,loxf);
567   tsu_render;
568 endtsuglyph;
569
```

FF4

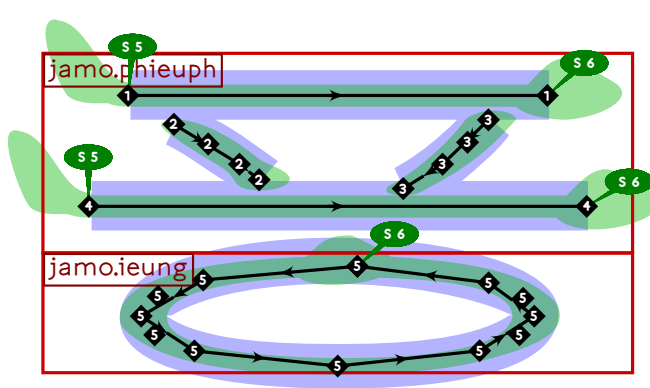
```
570 % hangul lead ceongchieumcieuc
571 begint Suglyph("uni1155.lj2";85);
572   hangul.jamo.sjc(2,-1,false)(whatever,lixf,loxf);
573   tsu_render;
574 endtsuglyph;
575
```

U+FF456
mande.uni1156.lj2



FF4

```
576 % hangul lead phieuph-pieup
577 begintsuglyph("uni1156.lj2";86);
578   hangul.combine.lr(117,107)(whatever,lixf,loxf);
579   tsu_render;
580 endtsuglyph;
581
```



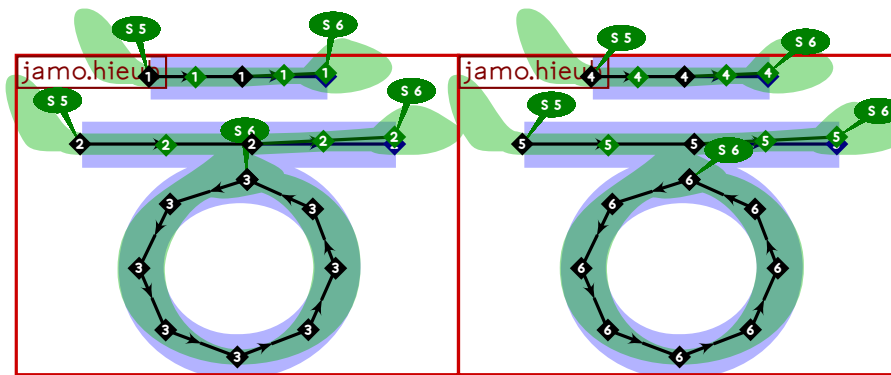
FF4

```

582 % hangul lead kapyeounphieuph
583 begintsuglyph("uni1157.lj2";87);
584   hangul.combine.tb(117,521)(whatever,
585     hxf((250,850),(850,-50)) transformed lixf,loxf);
586   tsu_render;
587 endtsuglyph;
588

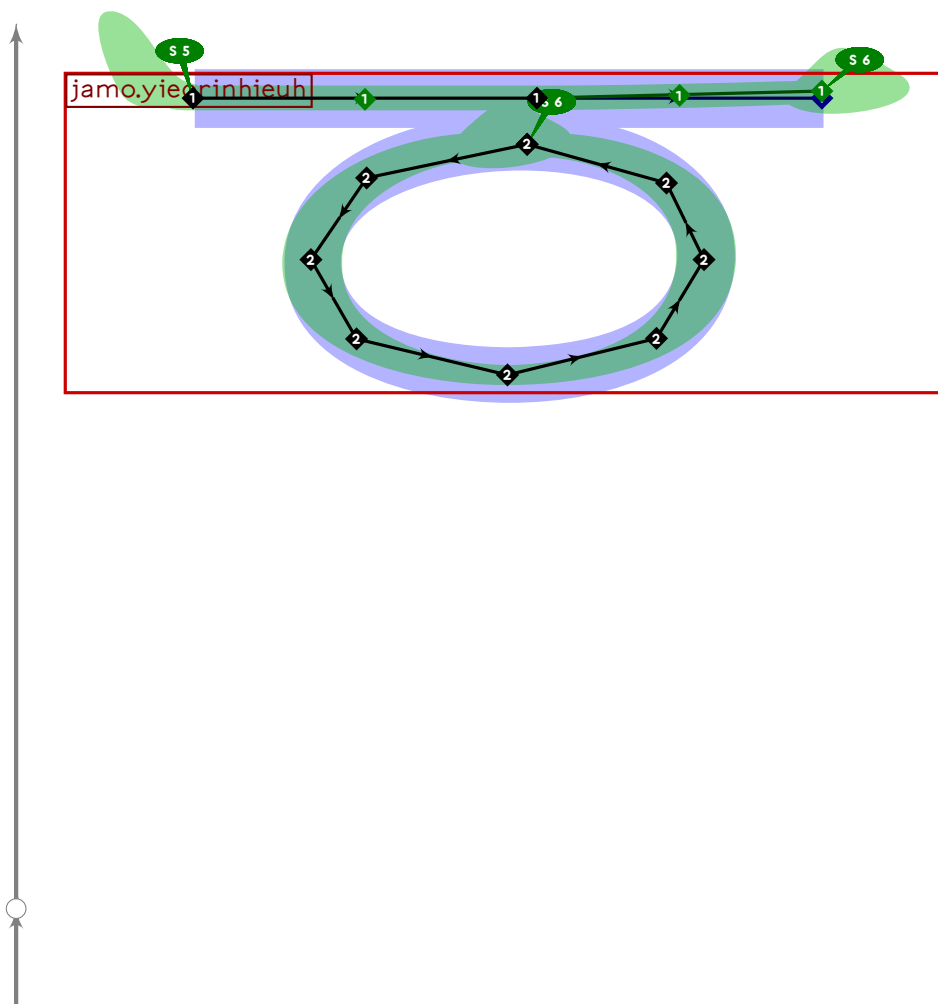
```

U+FF458
mande.uni1158.lj2



FF4

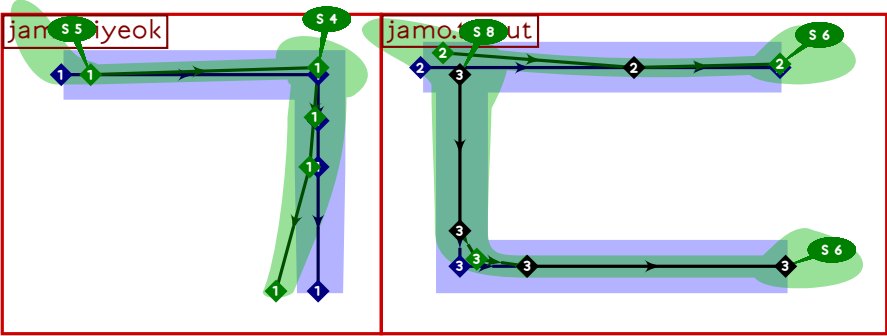
```
589 % hangul lead ssanghieuh
590 beginsuglyph("uni1158.lj2";88);
591   hangul.combine.lcr(118,230,118)(whatever,lixf,loxf);
592   tsu_render;
593 endsuglyph;
594
```



FF4

```
595 % hangul lead yeorinhieuh
596 begint Suglyph("uni1159.lj2";89);
597 hangul.jamo.yeorinhieuh(whatever;lixf,loxf);
598 tsu_render;
599 endtsuglyph;
600
```

U+FF45A
mande.uni115A.lj2

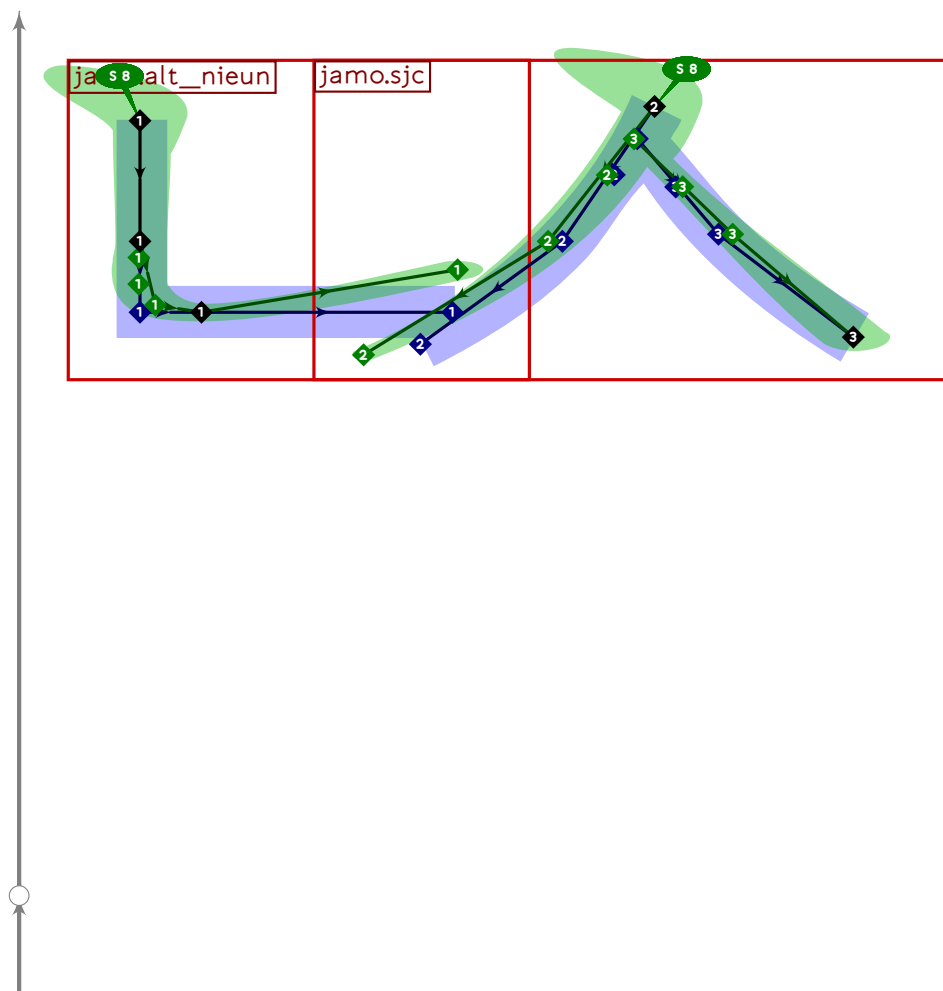


FF4

```

601 % hangul lead kiyeok-tikeut
602 beginsuglyph("uni115A.lj2'90);
603   hangul.combine.lr(100,103)(whatever,lxf,lxf);
604   tsu_render;
605 endtsuglyph;
606

```



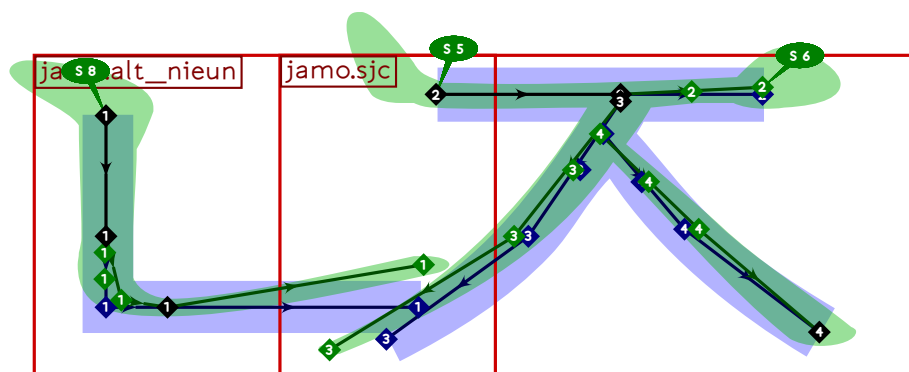
FF4

```

607 % hangul lead nieun-sios
608 begintsuglyph("uni115B.lj2",91);
609   hangul.combine.lr(202,109)(whatever,lixf,loxf);
610   tsu_render;
611 endtsuglyph;
612

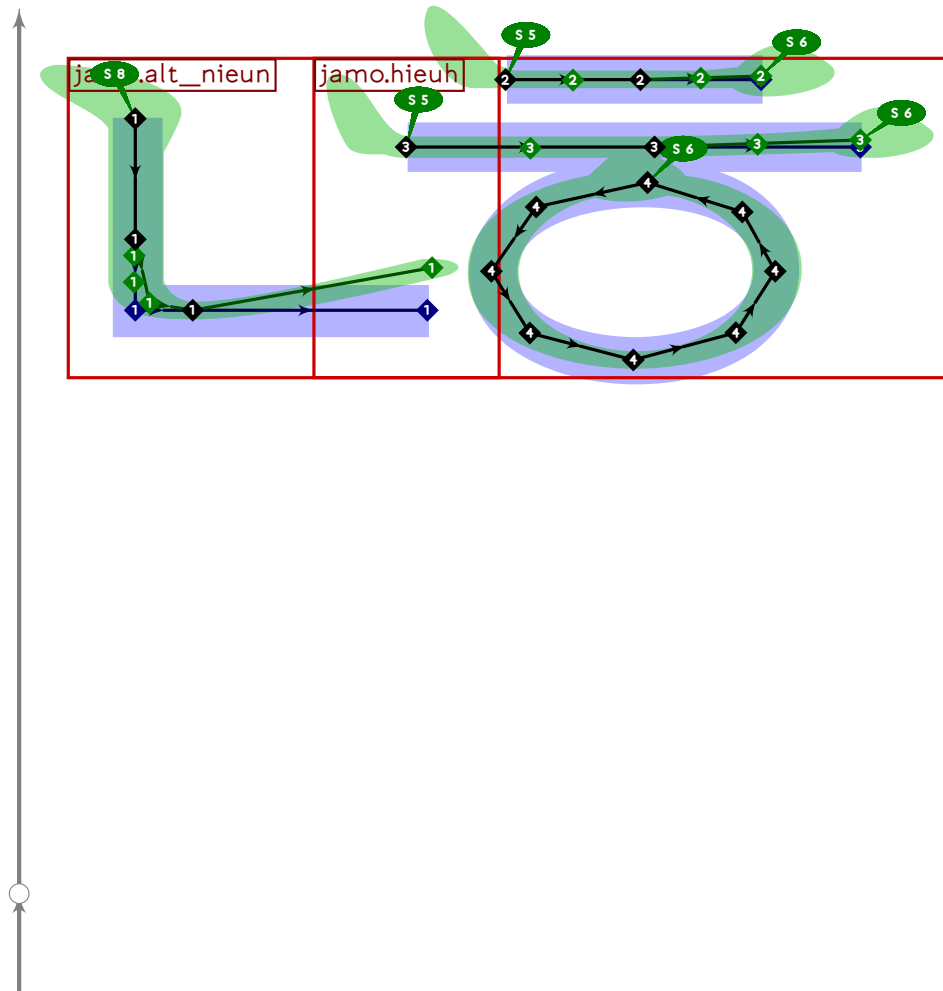
```

U+FF45C
mande.uni115C.lj2



FF4

```
613 % hangul lead nieun-cieuc
614 begint Suglyph("uni115C.lj2";92);
615   hangul.combine.lr(202,112)(whatever,lixf,loxf);
616   tsu_render;
617 endtsuglyph;
618
```

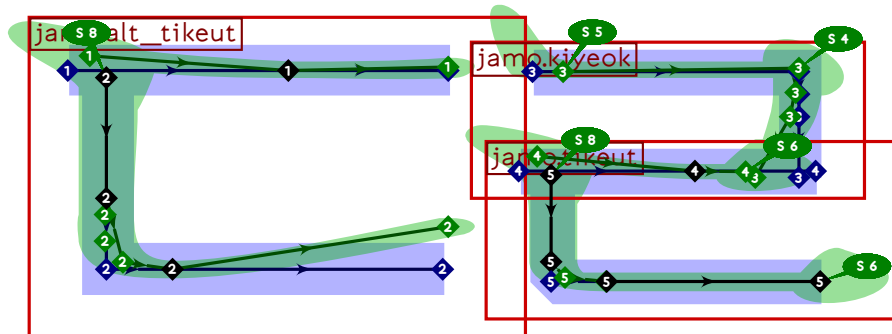
FF4

```

619 % hangul lead nieun-hieuh
620 begint Suglyph("uni115D.lj2";93);
621   hangul.combine.lr(202,118)(whatever,lixf,loxf);
622   tsu_render;
623 endtsuglyph;
624

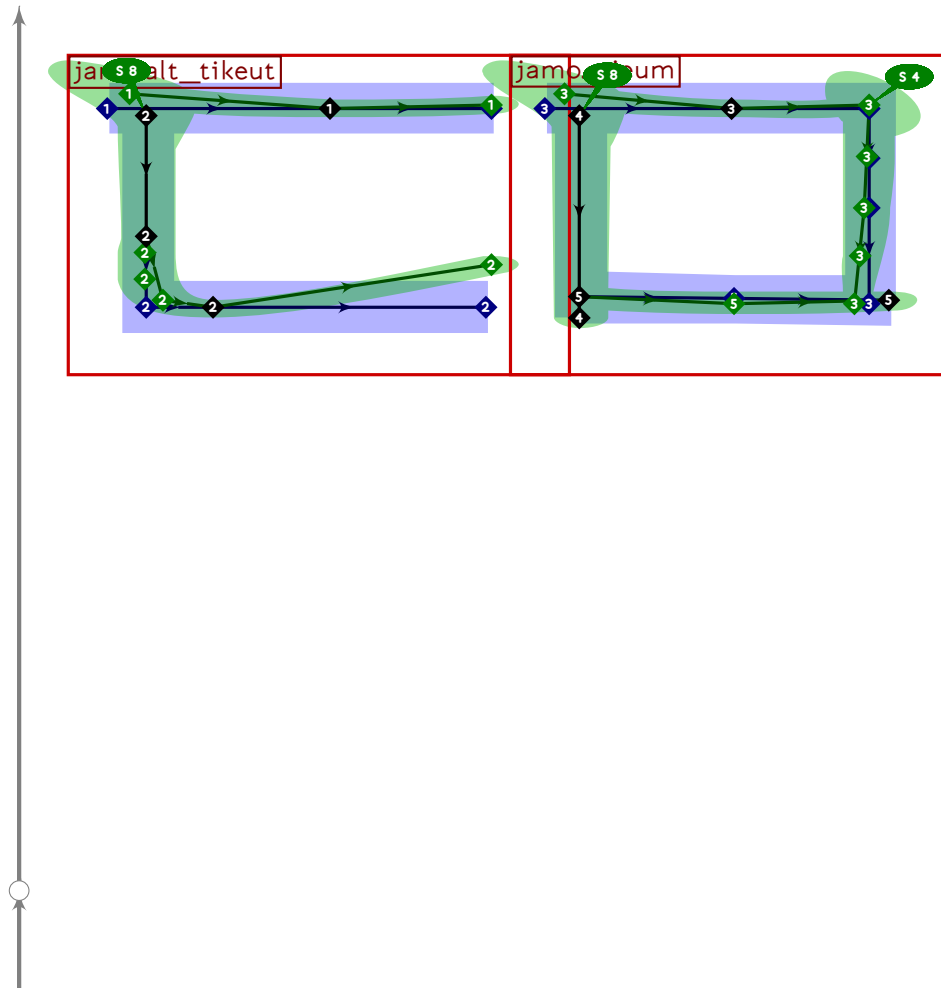
```

U+FF45E
mande.uni115E.lj2



FF4

```
625 % hangul lead tikeut-rieul
626 beginsuglyph("uni115E.lj2",94);
627   hangul.combine.lr(203,105)(whatever,lixf,loxf);
628   tsu_render;
629 endsuglyph;
630
```



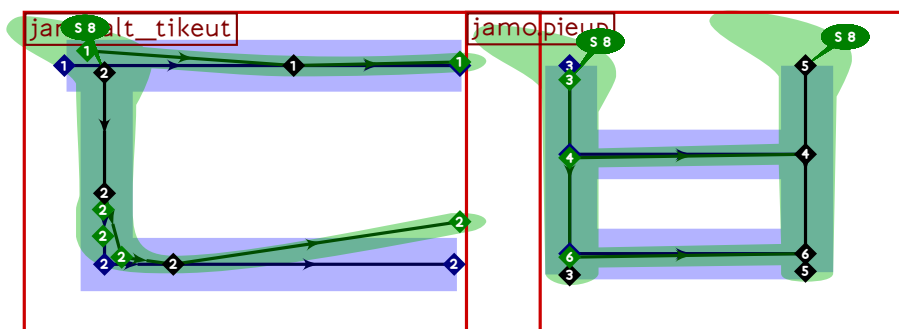
FF4

```

631 % hangul lead tikeut-mieum
632 beginsuglyph("uniA960.lj2";96);
633   hangul.combine.lr(203,106)(whatever,lixf,loxf);
634   tsu_render;
635 endsuglyph;
636

```

U+FF461
mande.uniA961.lj2



FF4

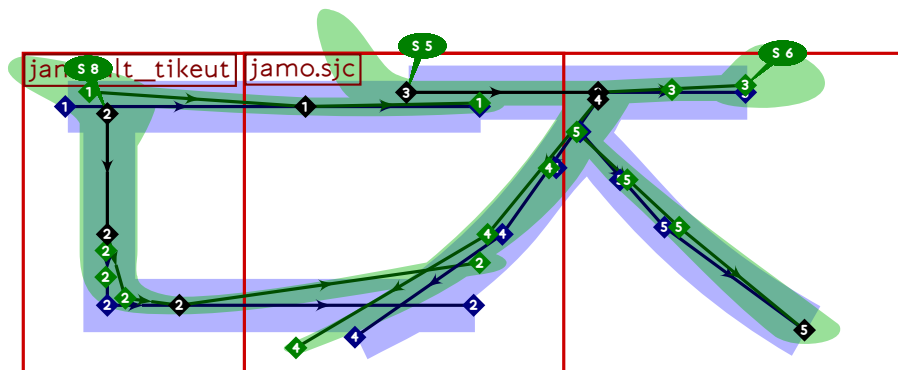
```
637 % hangul lead tikeut-pieup
638 begint Suglyph("uniA961.lj2";97);
639   hangul.combine.lr(203,107)(whatever,lixf,loxf);
640   tsu_render;
641   endtsuglyph;
642
```



```
643 % hangul lead tikeut-sios
644 begintsuglyph("uniA962.lj2'98);
645   hangul.combine.lr(203,109)(whatever,lixf,loxf);
646   tsu__render;
647 endtsuglyph;
648
```

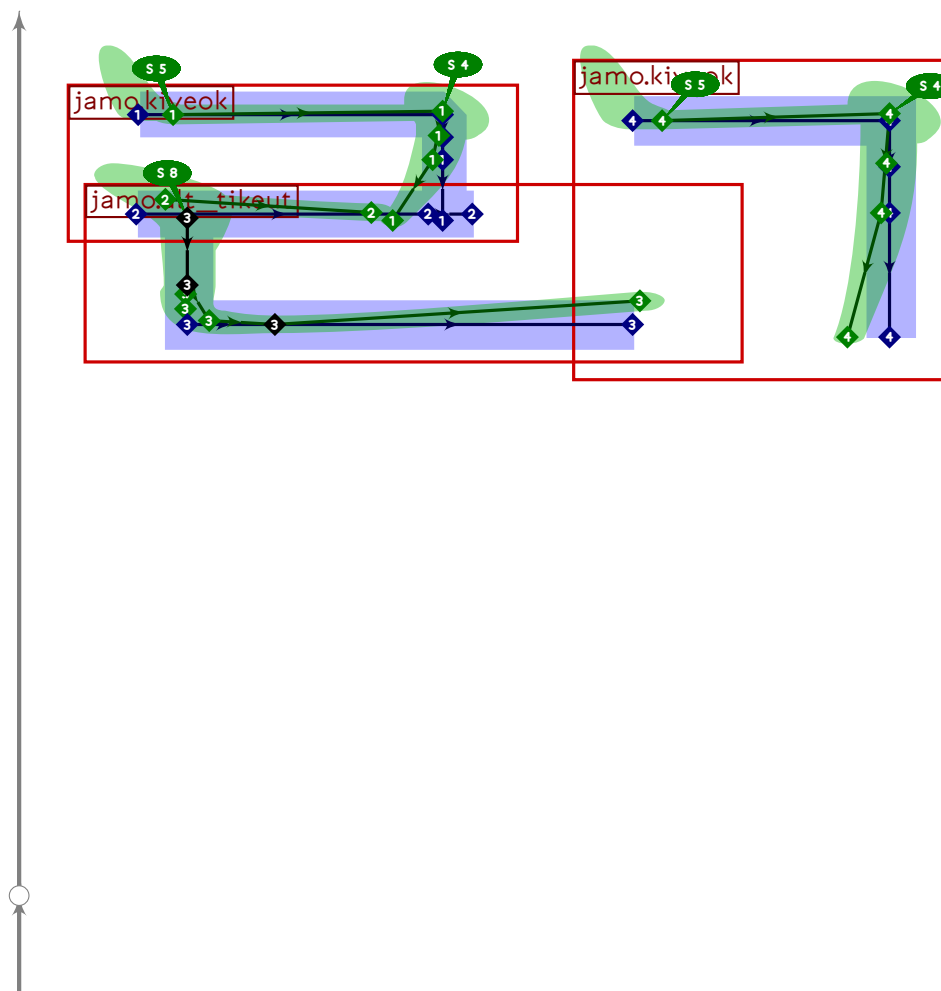
FF4

U+FF463
mande.uniA963.lj2



FF4

```
649 % hangul lead tikeut-cieuc
650 begint Suglyph("uniA963.lj2'99);
651   hangul.combine.lr(203,112)(whatever,lixf,loxf);
652   tsu_render;
653 endtsuglyph;
654
```



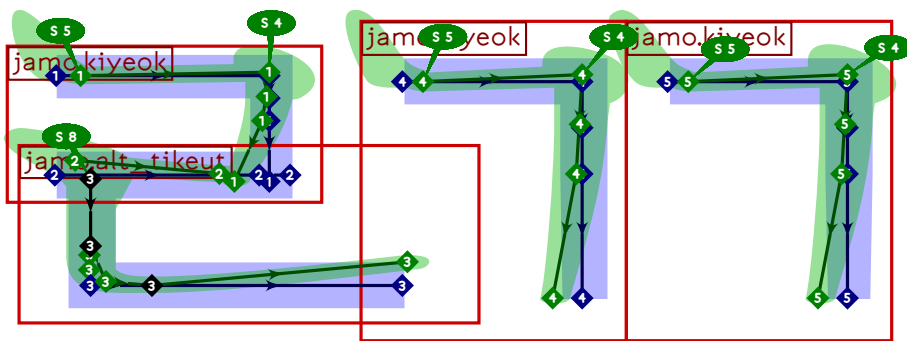
FF4

```

655 % hangul lead rieul-kiyeok
656 begint Suglyph("uniA964.lj2",100);
657   hangul.combine.lr(205,100)(whatever,lixf,loxf);
658   tsu_render;
659 endtsuglyph;
660

```

U+FF465
mande.uniA965.lj2

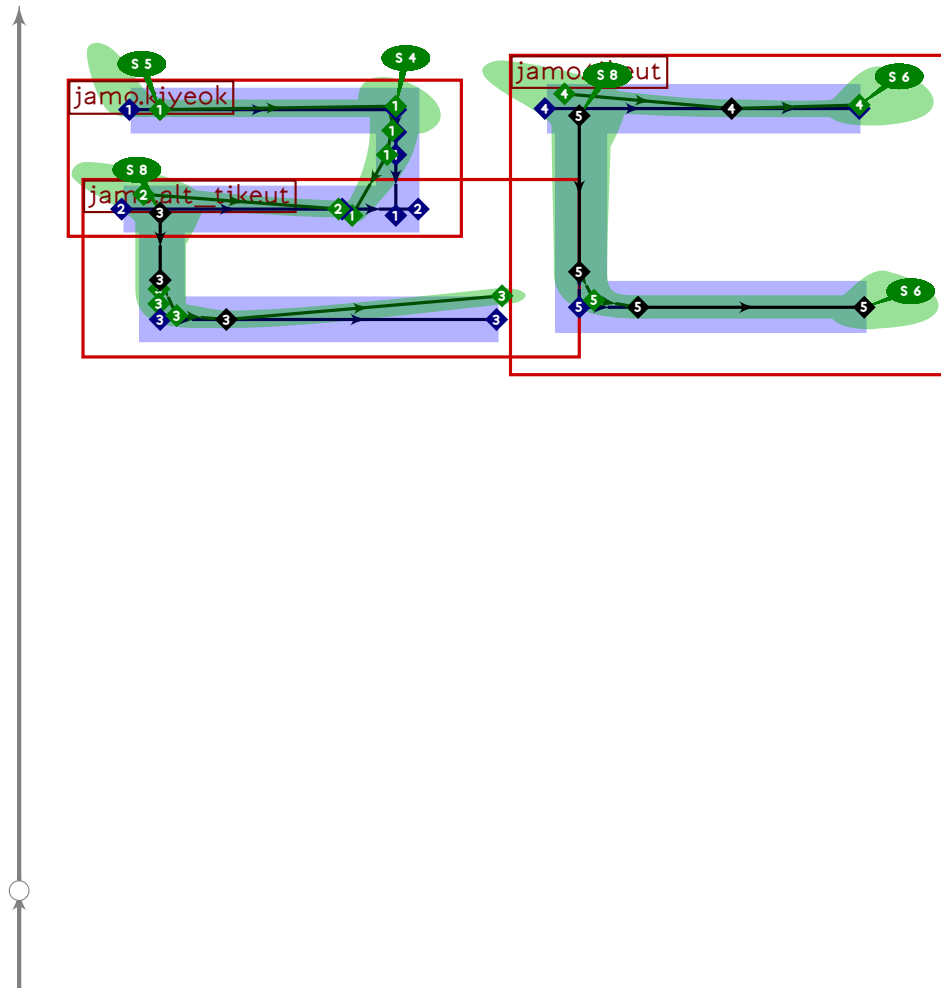


FF4

```

661 % hangul lead rieul-ssangkiyeok
662 beginsuglyph("uniA965.lj2";101);
663   hangul.combine.lcr(205,100,100)(whatever,lixf,loxf);
664   tsu_render;
665 endsuglyph;
666

```

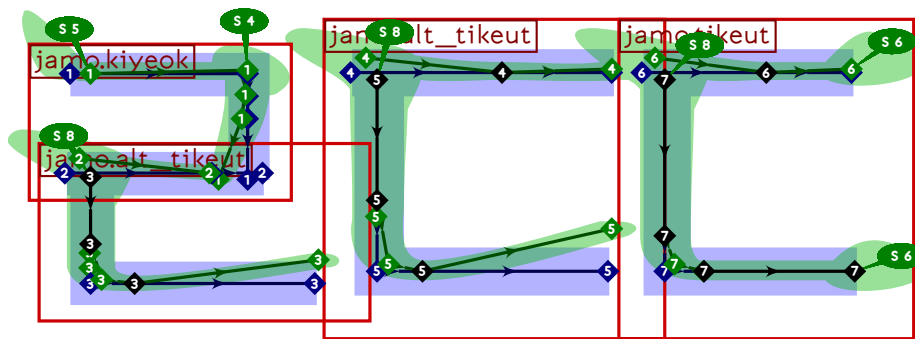
FF4

```

667 % hangul lead rieul-tikeut
668 beginsuglyph("uniA966.lj2";102);
669 hangul.combine.lr(205,103)(whatever,lixf,loxf);
670 tsu_render;
671 endsuglyph;
672

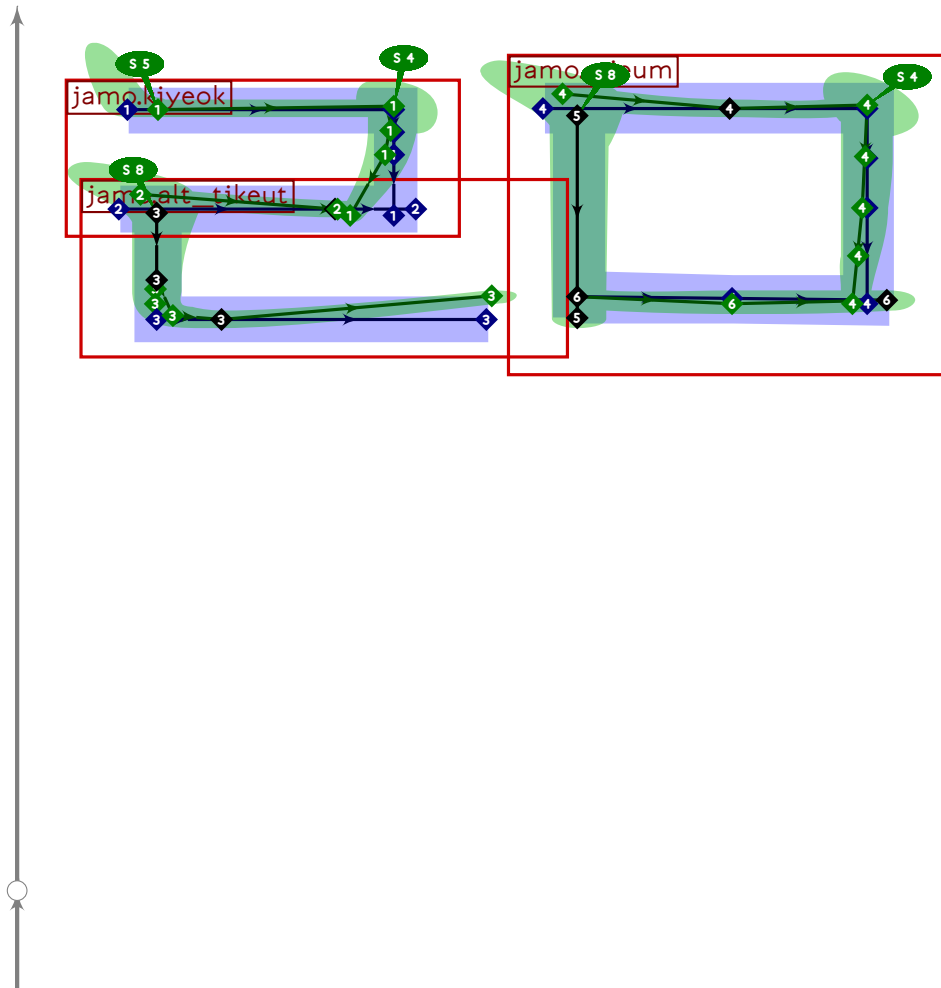
```

U+FF467
mande.uniA967lj2



FF4

```
673 % hangul lead rieul-ssangtikeut
674 beginsuglyph("uniA967lj2",103);
675   hangul.combine.lcr(205,203,103)(whatever,lixf,loxf);
676   tsu_render;
677 endsuglyph;
678
```



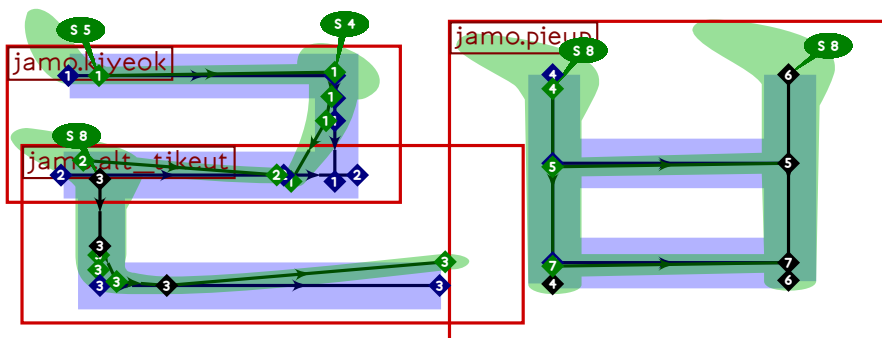
FF4

```

679 % hangul lead rieul-mieum
680 begint Suglyph("uniA968.lj2",104);
681   hangul.combine.lr(205,106)(whatever,lixf,loxf);
682   tsu_render;
683 endtsuglyph;
684

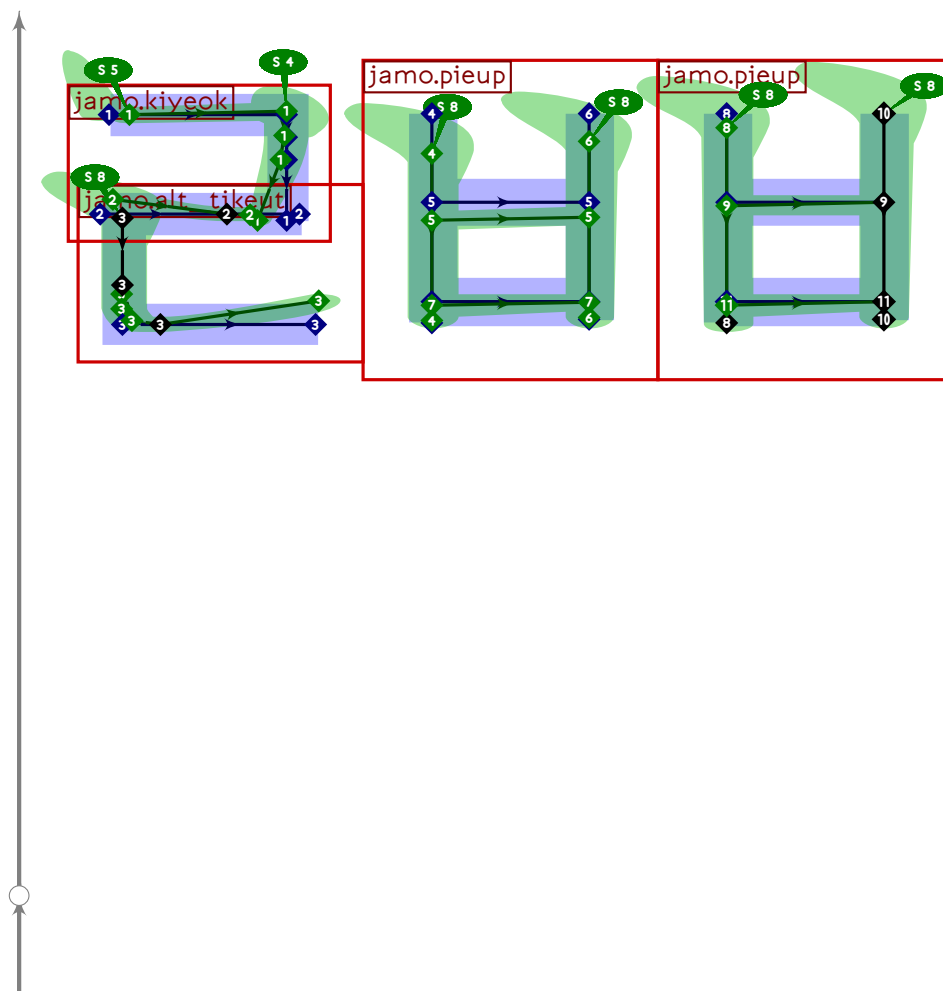
```

U+FF469
mande.uniA969.lj2



FF4

```
685 % hangul lead rieul-pieup
686 begint Suglyph("uniA969.lj2",105);
687   hangul.combine.lr(205,107)(whatever,lixf,loxf);
688   tsu_render;
689 endtsuglyph;
690
```



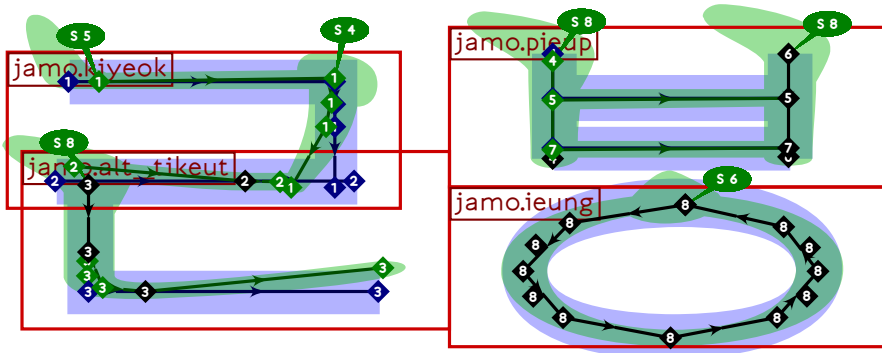
```

691 % hangul lead rieul-ssangpieup
692 beginsuglyph("uniA96A.lj2",106);
693   hangul.combine.lcr(205,207,107)(whatever,lixf,loxf);
694   tsu_render;
695 endsuglyph;
696

```

FF4

U+FF46B
mande.uniA96B.lj2

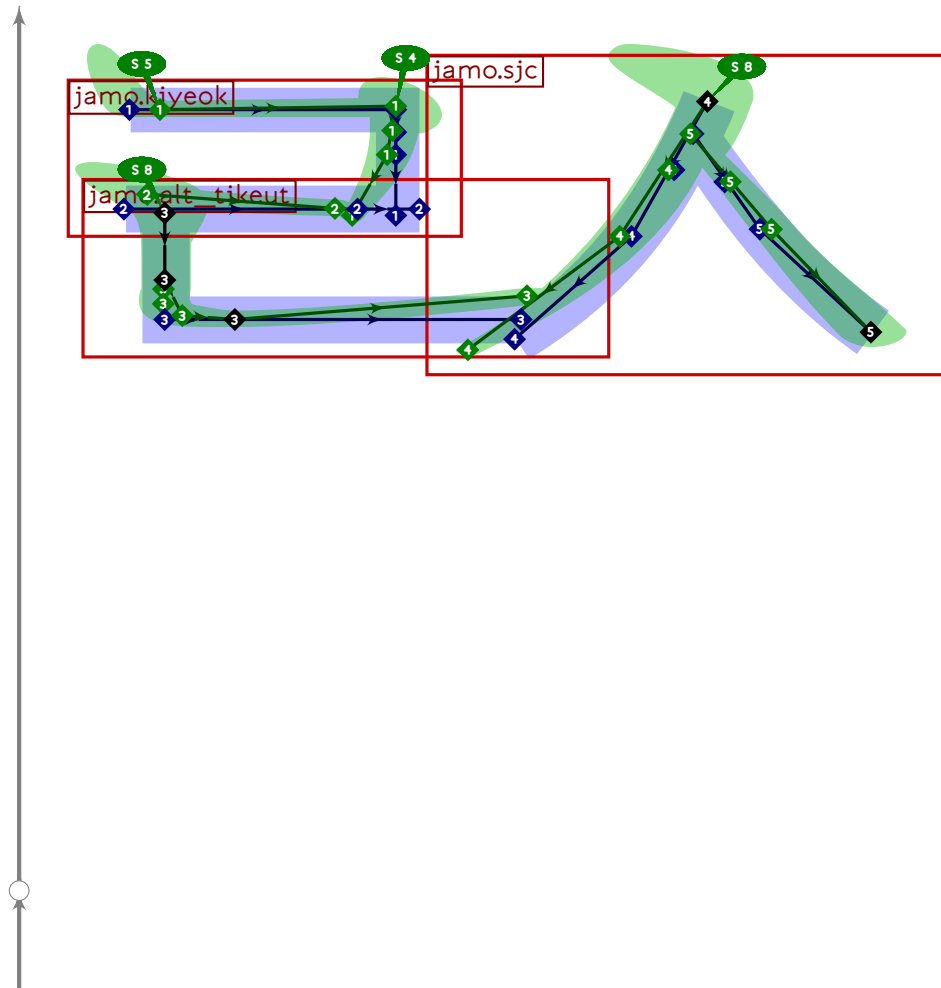


FF4

```

697 % hangul lead rieul-kapyeounpieup
698 beginsuglyph("uniA96B.lj2",107);
699   hangul.combine.lr(205,231)(whatever,lixf,loxf);
700   tsu_render;
701 endsuglyph;
702

```



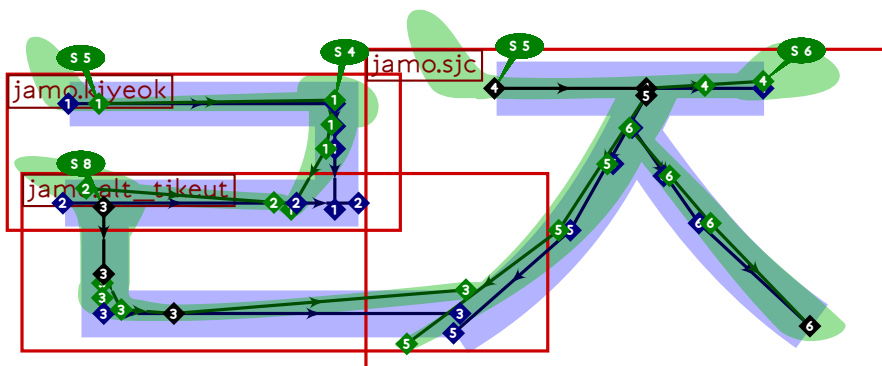
FF4

```

703 % hangul lead rieul-sios
704 begintsuglyph("uniA96C.lj2",108);
705   hangul.combine.lr(205,109)(whatever,lixf,loxf);
706   tsu_render;
707 endtsuglyph;
708

```

U+FF46D
mande.uniA96D.lj2

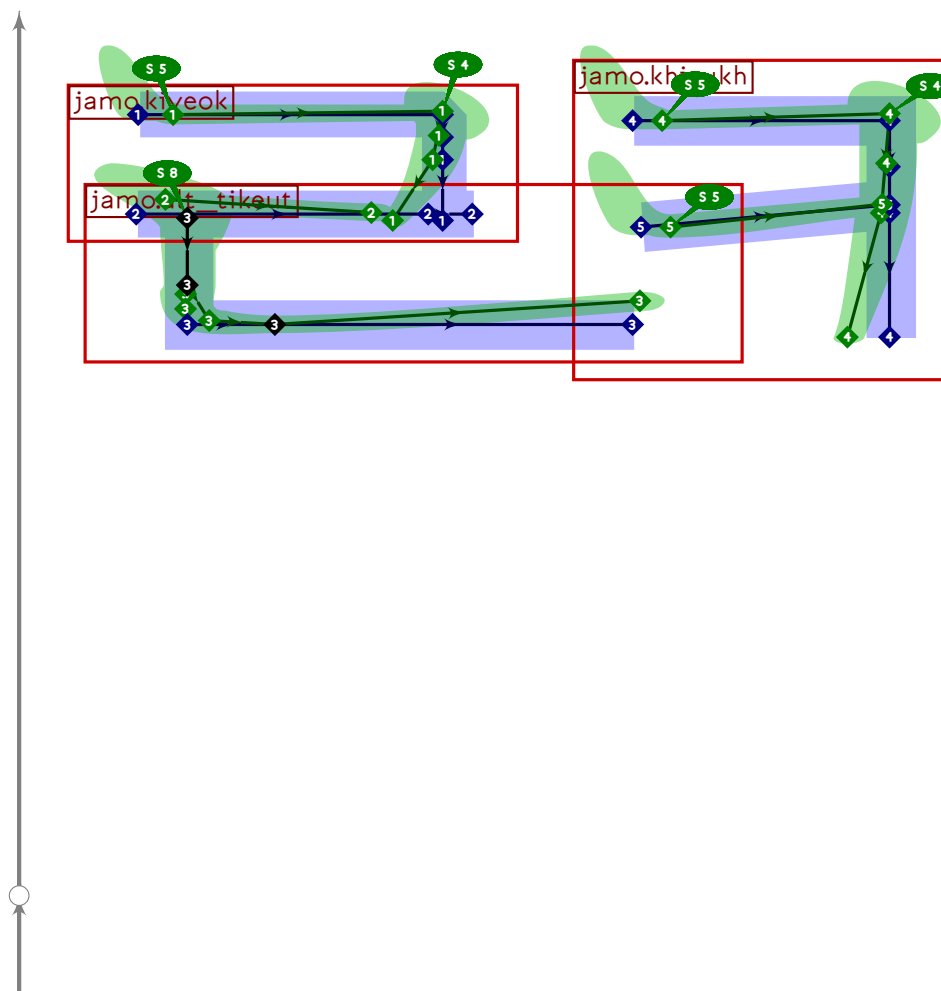


FF4

```

709 % hangul lead rieul-cieuc
710 begint Suglyph("uniA96D.lj2",109);
711   hangul.combine.lr(205,112)(whatever,lixf,loxf);
712   tsu_render;
713 endtsuglyph;
714

```

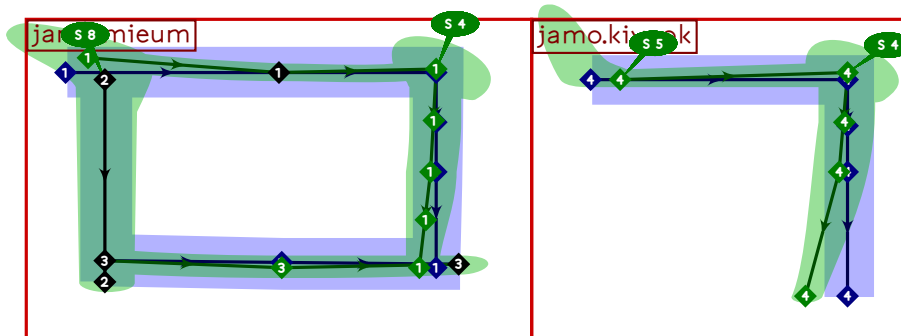
FF4

```

715 % hangul lead rieul-khieukh
716 begint Suglyph("uniA96E.lj2",110);
717 hangul.combine.lr(205,115)(whatever,lixf,loxf);
718 tsu_render;
719 endtsuglyph;
720

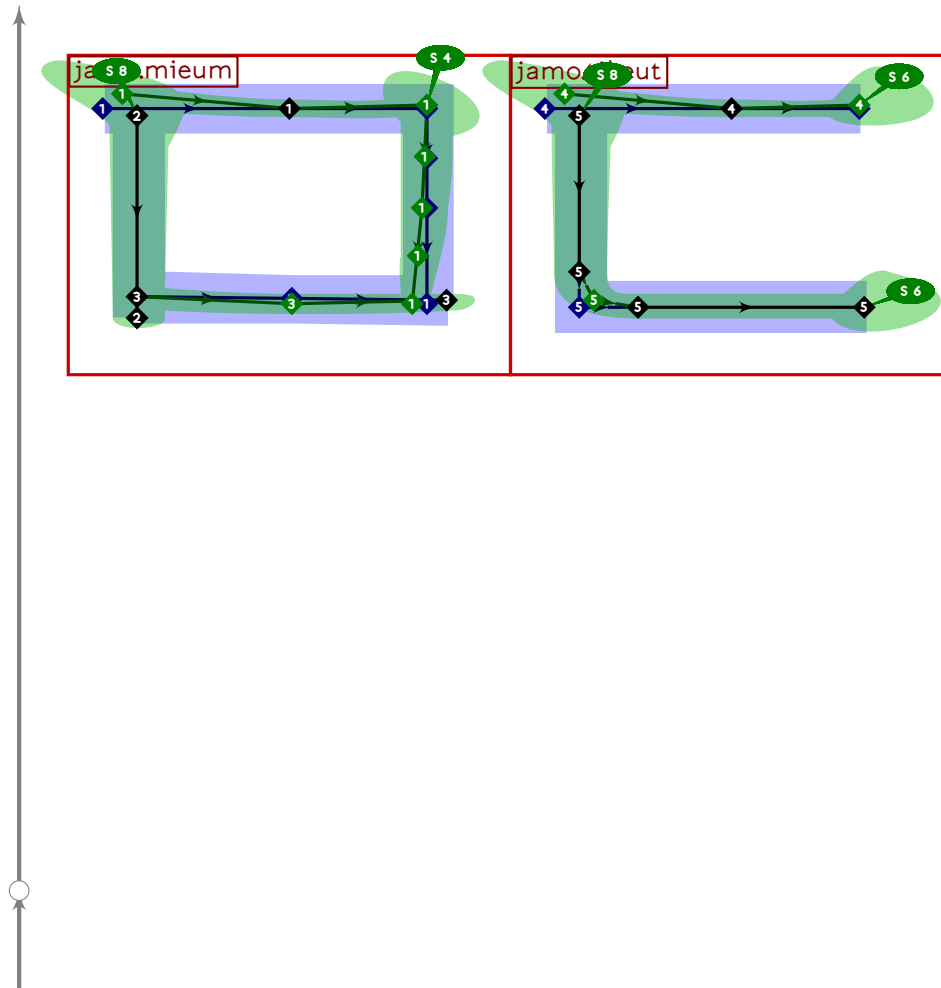
```

U+FF46F
mande.uniA96F.lj2



FF4

```
721 % hangul lead mieum-kiyeok
722 beginsuglyph("uniA96F.lj2",111);
723   hangul.combine.lr(106,100)(whatever,lixf,loxf);
724   tsu_render;
725 endsuglyph;
726
```



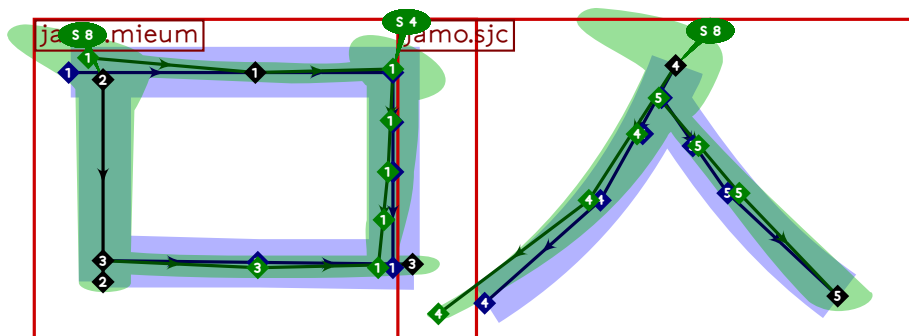
FF4

```

727 % hangul lead mieum-tikeut
728 begint Suglyph("uniA970.lj2",112);
729   hangul.combine.lr(106,103)(whatever,lixf,loxf);
730   tsu_render;
731 endtsuglyph;
732

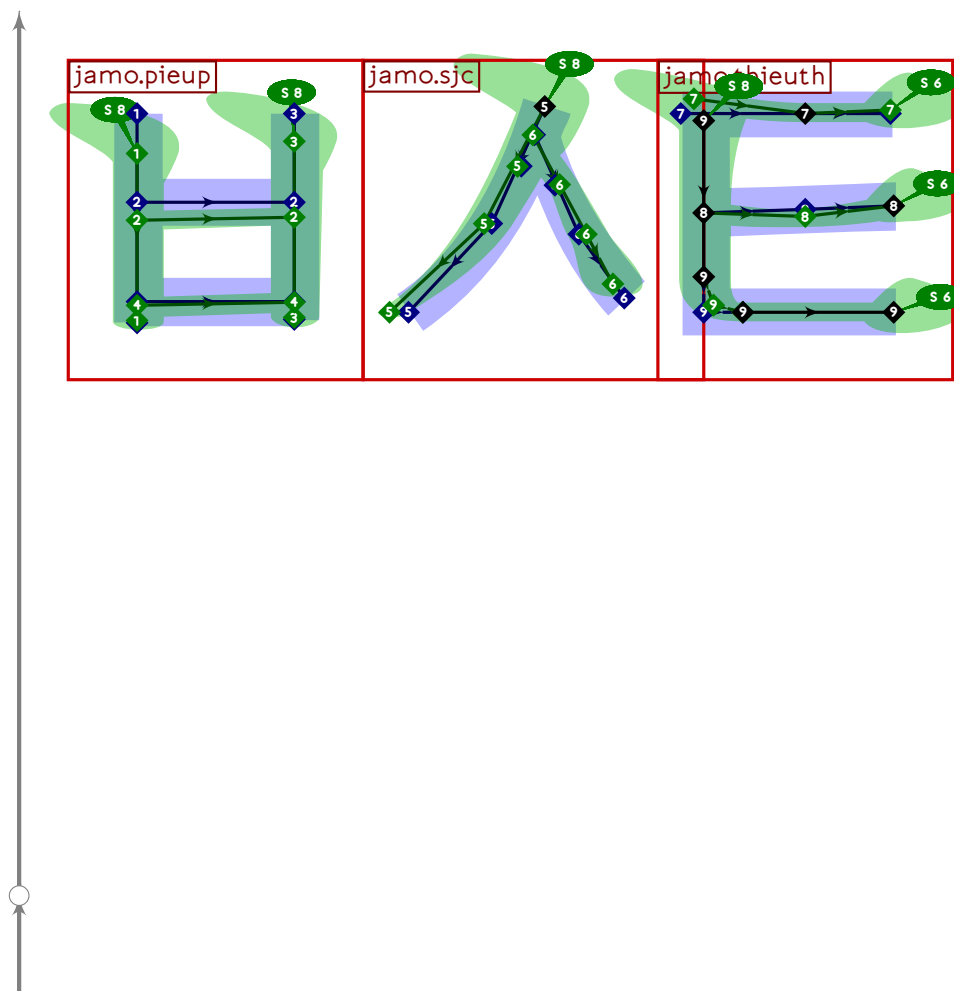
```

U+FF471
mande.uniA971.lj2



FF4

```
733 % hangul lead mieum-sios
734 begint Suglyph("uniA971.lj2",113);
735   hangul.combine.lr(106,109)(whatever,lixf,loxf);
736   tsu_render;
737 endtsuglyph;
738
```



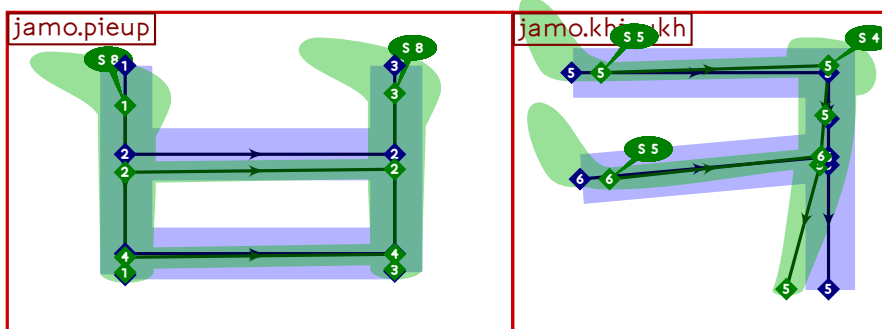
FF4

```

739 % hangul lead pieup-sios-thieuth
740 begint Suglyph("uniA972.lj2",114);
741   hangul.combine.lcr(207,209,116)(whatever,lixf,loxf);
742   tsu_render;
743 endtsuglyph;
744

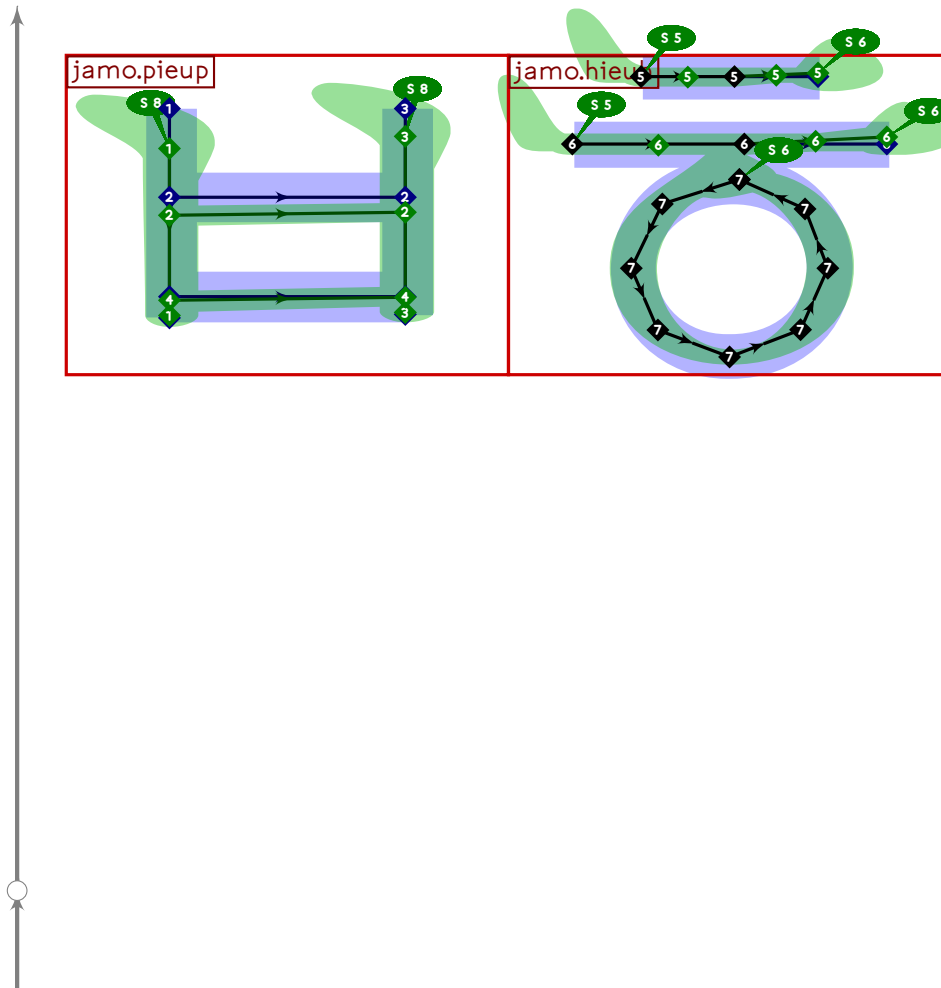
```

U+FF473
mande.uniA973.lj2



FF4

```
745 % hangul lead pieup-khieukh
746 begint Suglyph("uniA973.lj2",115);
747   hangul.combine.lr(207,115)(whatever,lixf,loxf);
748   tsu_render;
749 endtsuglyph;
750
```



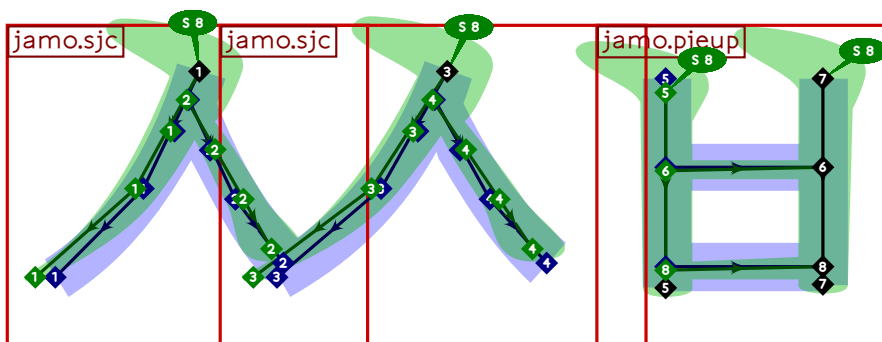
FF4

```

751 % hangul lead pieup-hieuh
752 beginsuglyph("uniA974.lj2",116);
753   hangul.combine.lr(207,118)(whatever,lixf,loxf);
754   tsu_render;
755 endsuglyph;
756

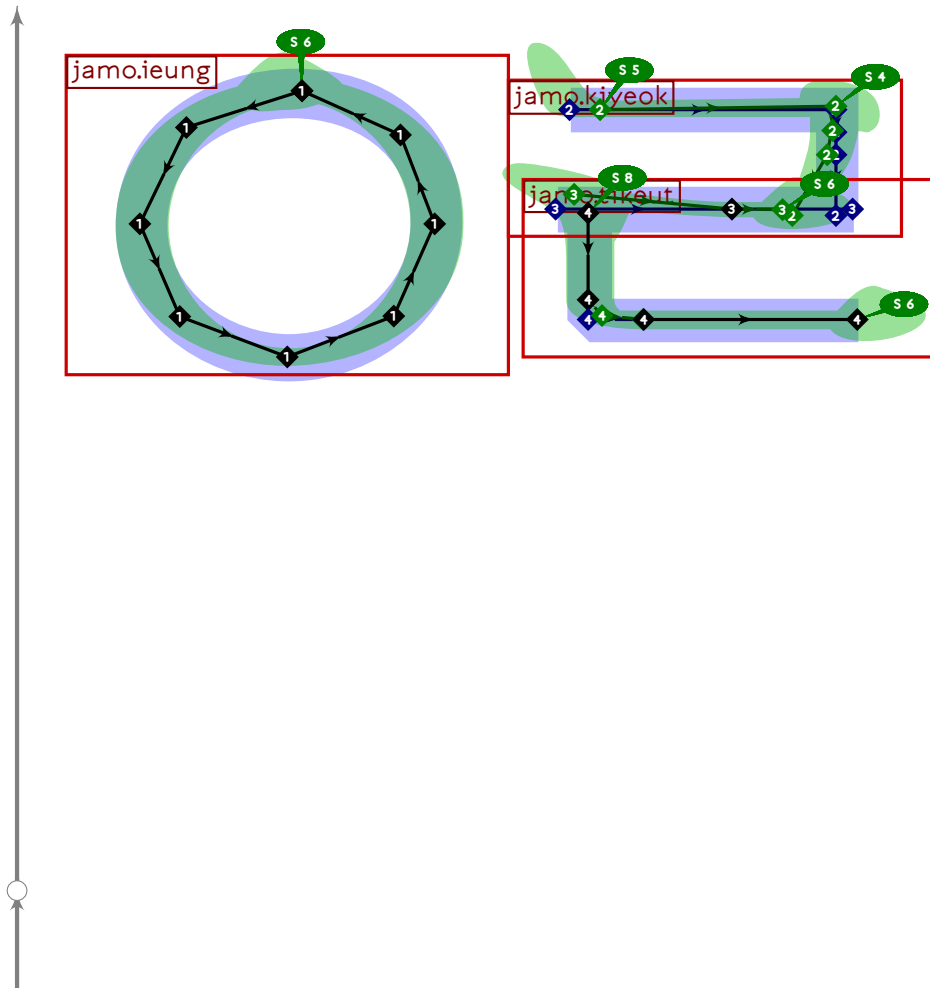
```

U+FF475
mande.uniA975.lj2



FF4

```
757 % hangul lead ssangsios-pieup
758 begint Suglyph("uniA975.lj2",117);
759   hangul.combine.lcr(209,209,107)(whatever,lixf,loxf);
760   tsu_render;
761 endtsuglyph;
762
```

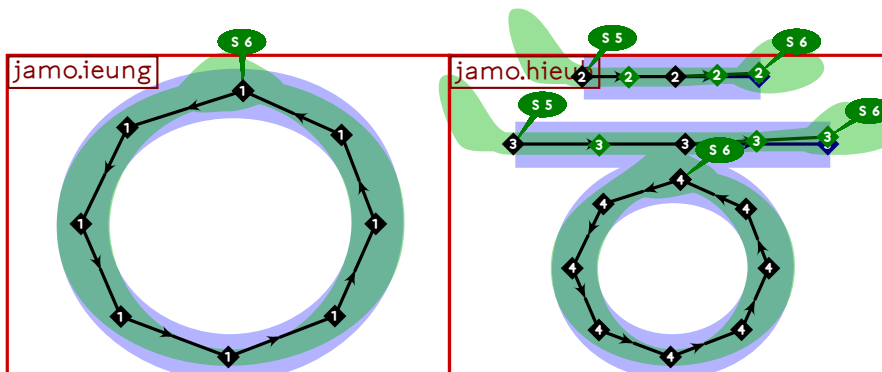
FF4

```

763 % hangul lead ieung-rieul
764 beginsuglyph("uniA976.lj2",118);
765   hangul.combine.lr(111,105)(whatever,lixf,loxf);
766   tsu_render;
767 endsuglyph;
768

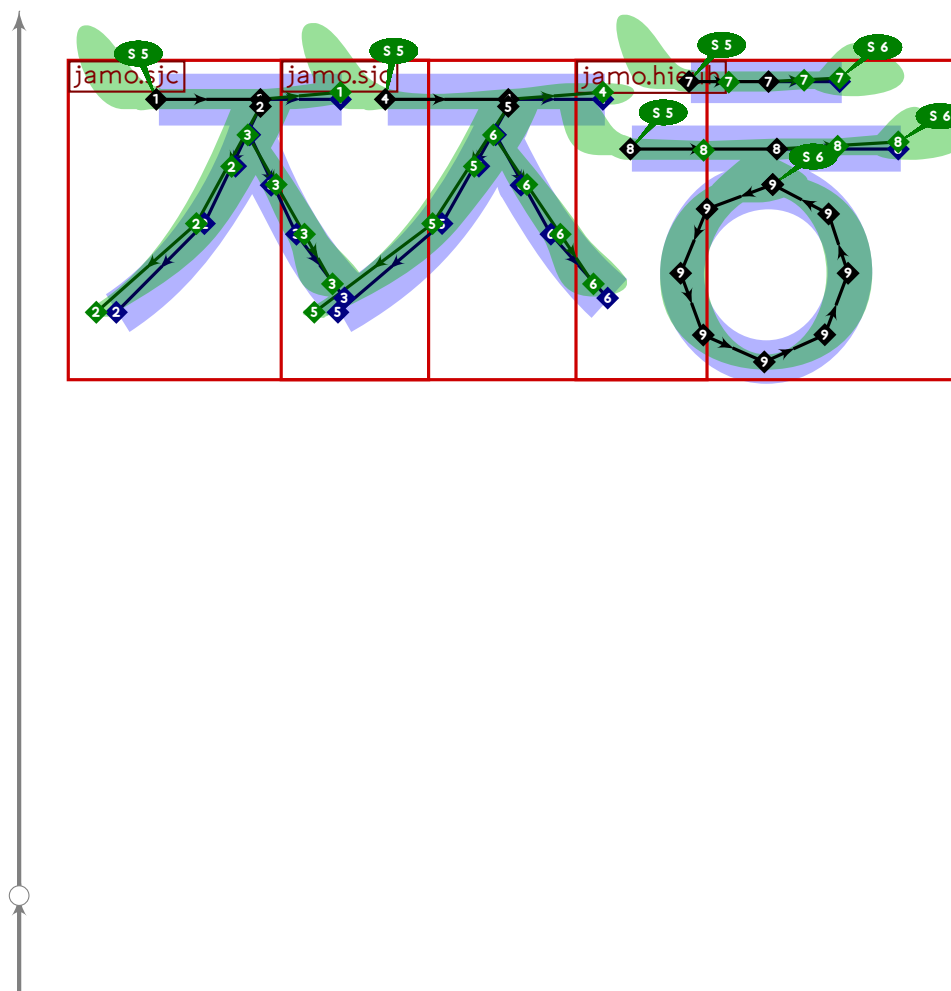
```

U+FF477
mande.uniA977.lj2



FF4

```
769 % hangul lead ieung-hieuh
770 beginsuglyph("uniA977.lj2",119);
771 hangul.combine.lr(111,118)(whatever,lixf,loxf);
772 tsu_render;
773 endsuglyph;
774
```



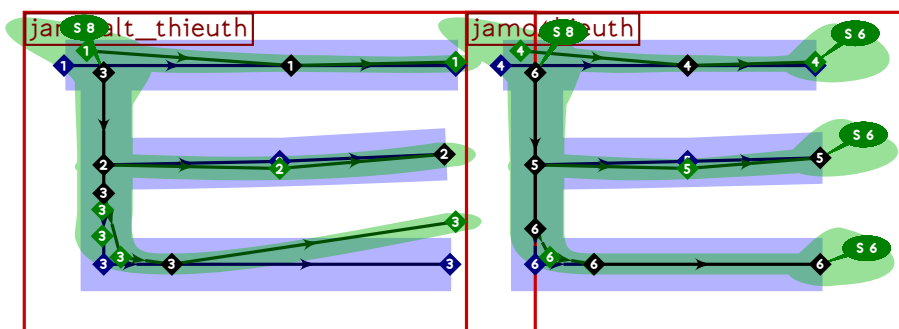
FF4

```

775 % hangul lead ssangcieuc-hieuh
776 begint Suglyph("uniA978.lj2";120);
777   hangul.combine.lcr(212,212,118)(whatever,lixf,loxf);
778   tsu_render;
779 endtsuglyph;
780

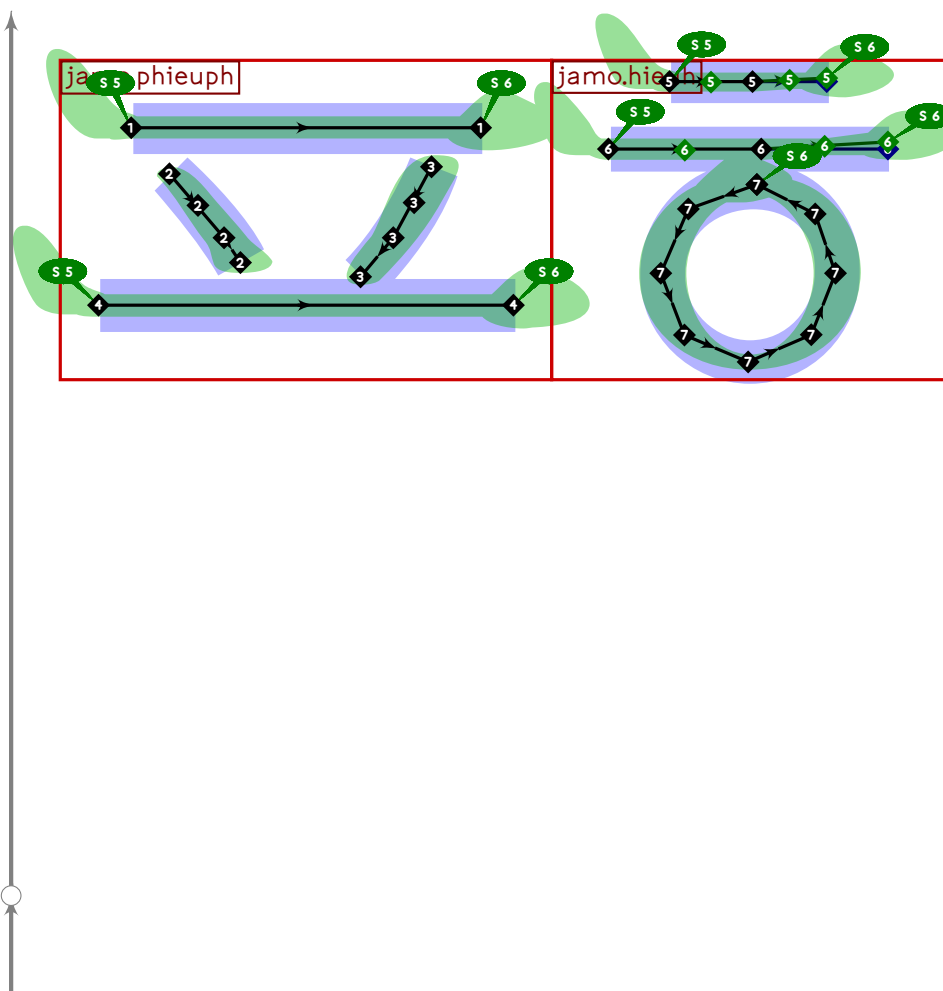
```

U+FF479
mande.uniA979.lj2



FF4

```
781 % hangul lead ssangthieuth
782 begint Suglyph("uniA979.lj2",121);
783   hangul.combine.lr(216,116)(whatever,lixf,loxf);
784   tsu_render;
785 endtsuglyph;
786
```



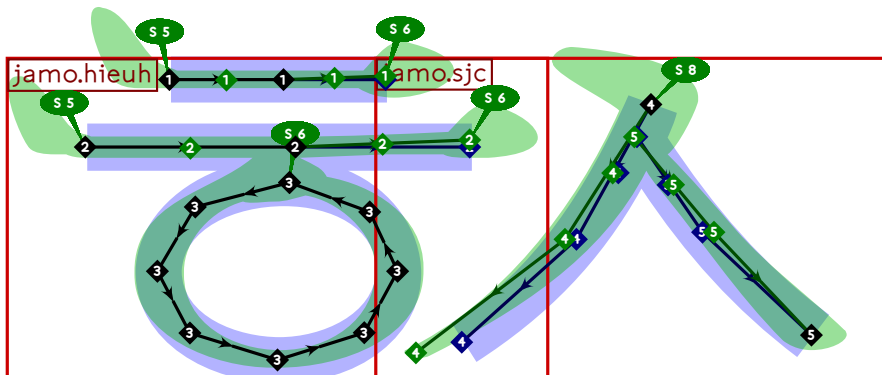
FF4

```

787 % hangul lead phieuph-hieuh
788 begint Suglyph("uniA97A.lj2",122);
789   hangul.combine.lcr(117,230,118)(whatever,lixf,loxf);
790   tsu_render;
791 endtsuglyph;
792

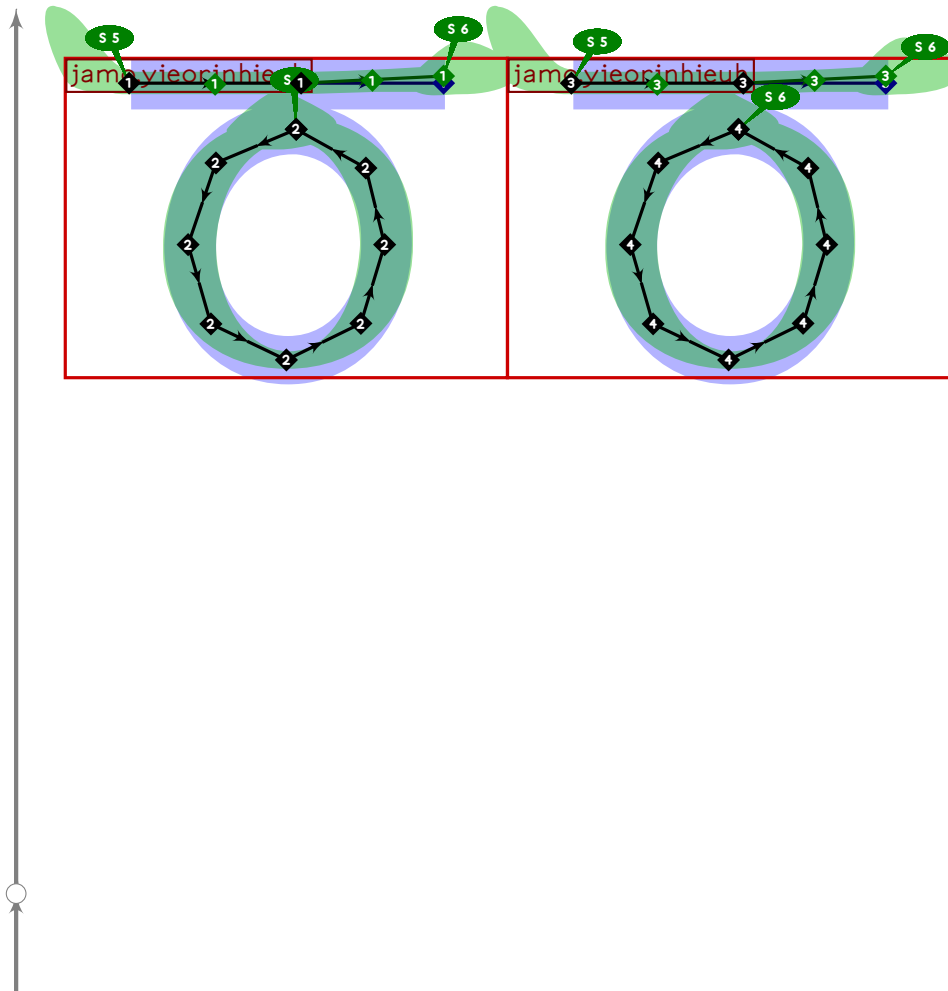
```

U+FF47B
mande.uniA97B.lj2



FF4

```
793 % hangul lead hieuh-sios
794 begintsuglyph("uniA97B.lj2";123);
795   hangul.combine.lr(118,109)(whatever,lixf,loxf);
796   tsu_render;
797 endsuglyph;
798
```



FF4

```

799 % hangul lead ssangyeorinhieuh
800 begintsuglyph("uniA97C.lj2";124);
801   hangul.combine.lcr(221,230,221)(whatever,lixf,loxf);
802   tsu_render;
803 endtsuglyph;
804
805 _____
806
807 endfont;
808
809 _____

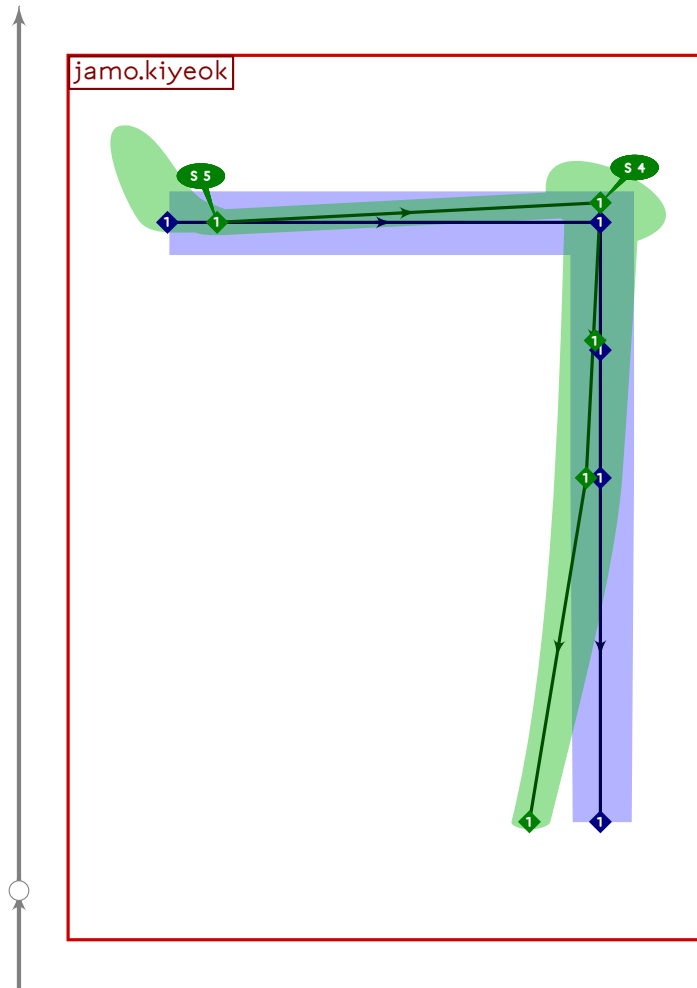
```

mande-ff5.mp

```
1 %
2 % Unicode page FF5 (alternate lead jamo) for Mandeubsida
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input hangul.mp;
37 input jamo-basic.mp;
38 input jamo-extra.mp;
39
40 do_late_includes;
41
42
43
44 % This file contains leads for layout 4: vertical vowel and empty tail
45
46 transform lixf,loxf;
47
48 lixf=loxf=hxf((50,850),(700,-50));
49
50
51
```

Hangul Choseong (Lead) Jamo

```
52 % HANGUL CHOSEONG (LEAD) JAMO
53
54 tsu_rescale_native_zero;
55
```

FF5

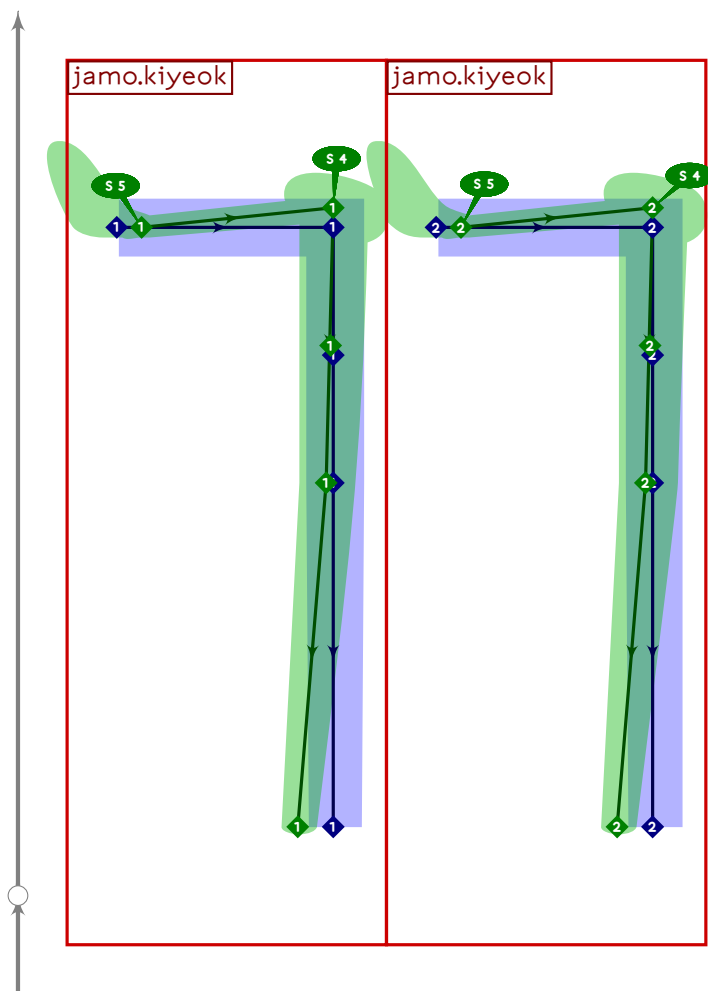
```

56 % hangul lead kiyeok
57 begintsuglyph("uni1100.lj4",0);
58   hangul.jamo.kiyeok(whatever,lixf,loxf);
59   tsu_render;
60 endtsuglyph;
61

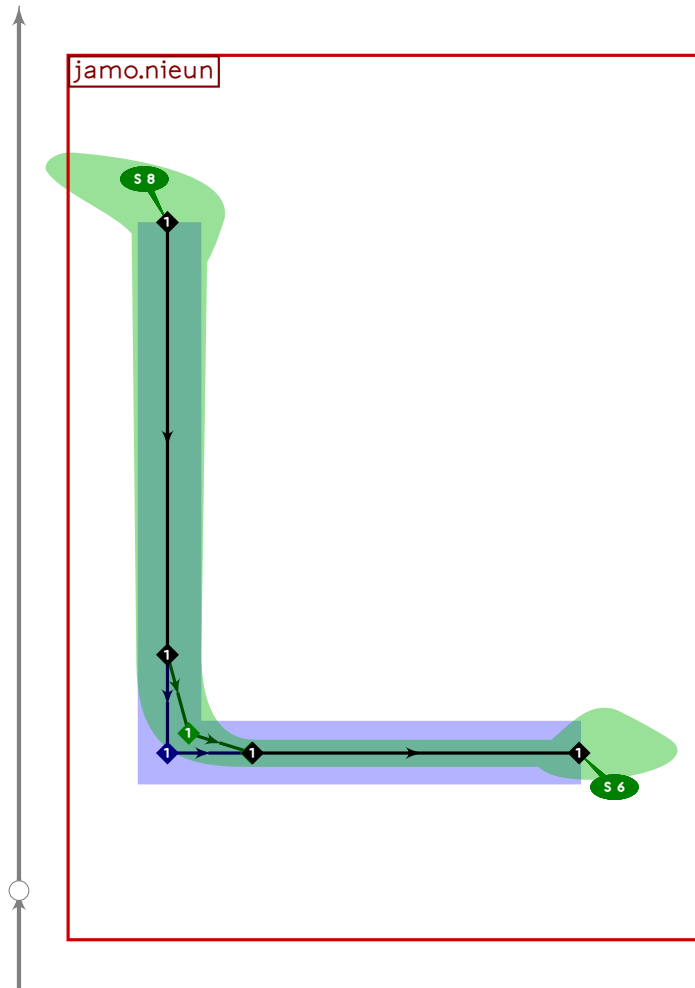
```

U+FF501
mande.uni1101.lj4

FF5



```
62 % hangul lead ssangkiyeok
63 begintsuglyph("uni1101.lj4",1);
64 hangul.combine.lr(100,100)(whatever,lixf,loxf);
65 tsu_render;
66 endtsuglyph;
67
```

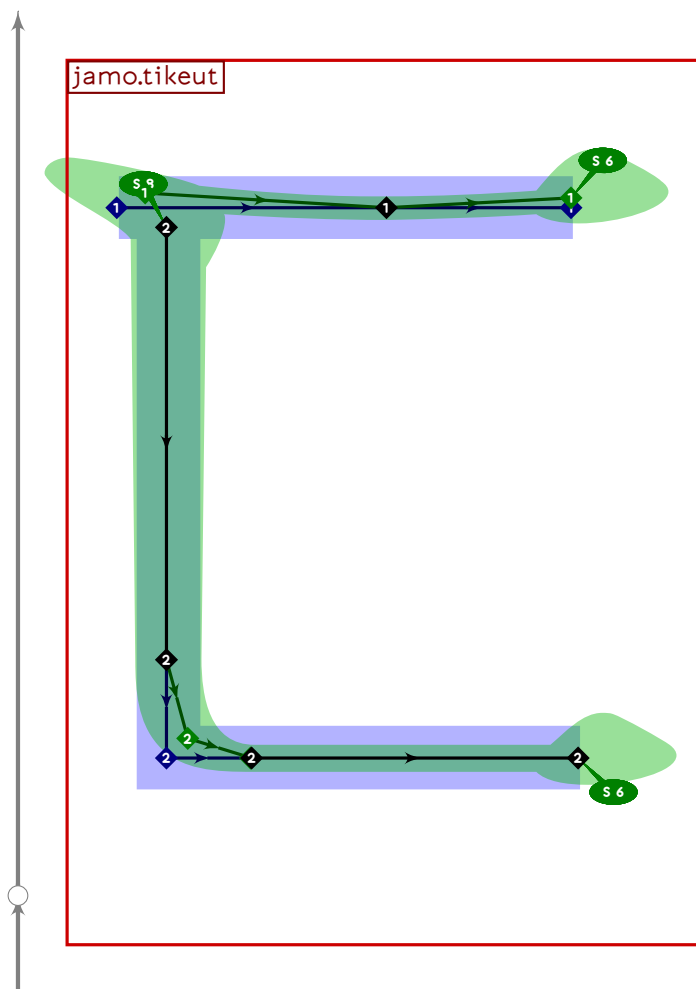


FF5

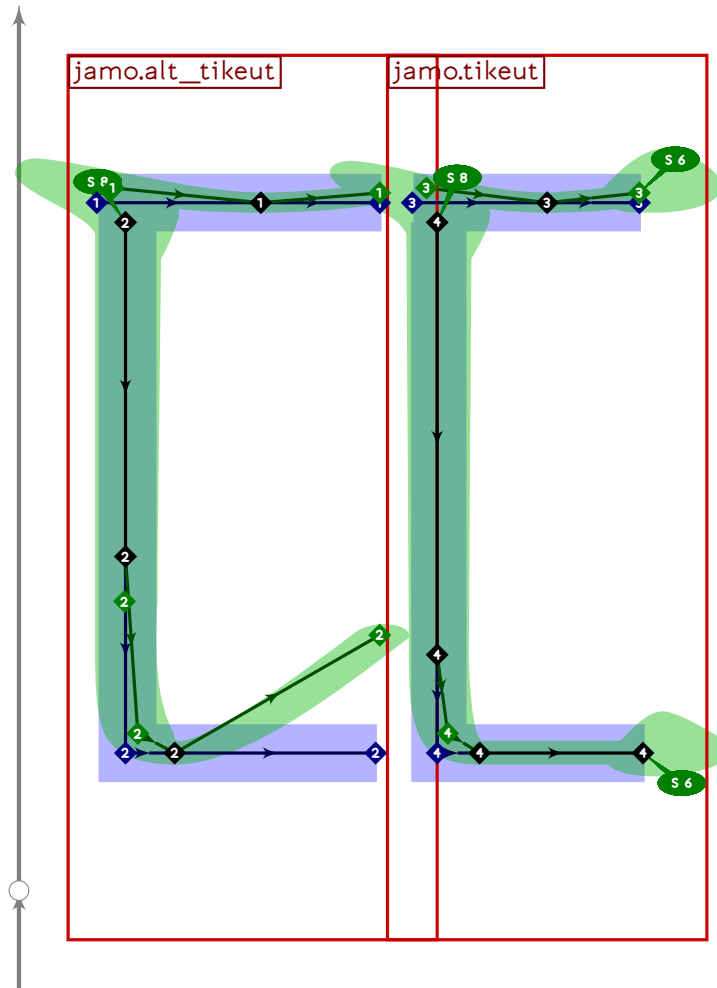
```
68 % hangul lead nieun
69 beginsuglyph("uni1102.lj4";2);
70 hangul.jamo.nieun(whatever,lixf,loxf);
71 tsu_render;
72 endsuglyph;
73
```

U+FF503
mande.uni1103.lj4

FF5



```
74 % hangul lead tikeut
75 beginsuglyph("uni1103.lj4";3);
76 hangul.jamo.tikeut(whatever,lixf,loxf);
77 tsu_render;
78 endsuglyph;
79
```



FF5

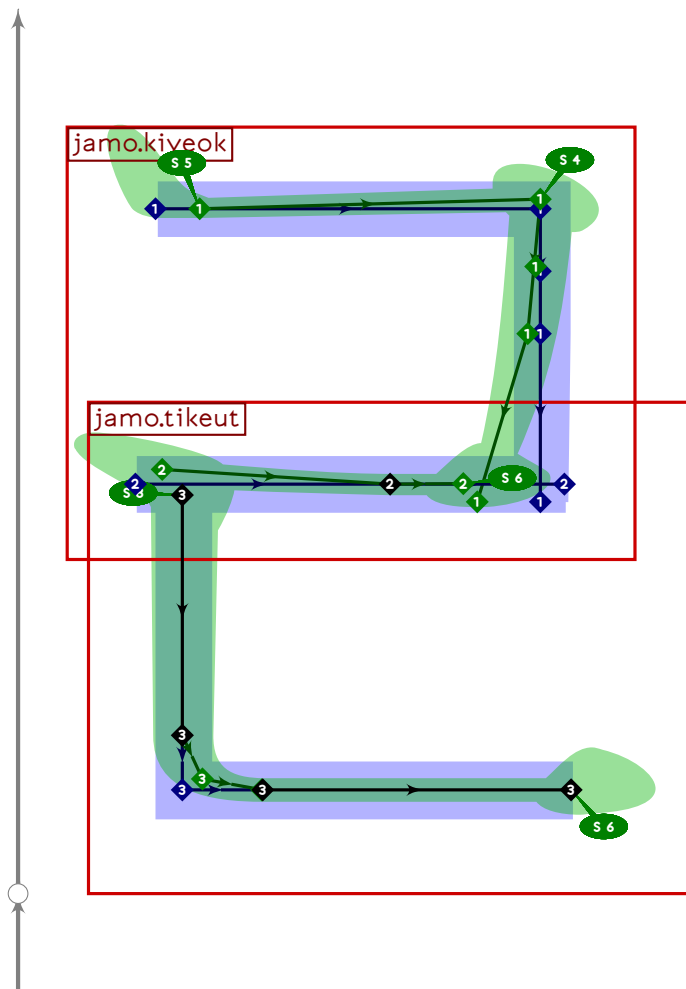
```

80 % hangul lead ssangtikeut
81 begintsuglyph("uni1104.lj4";4);
82   hangul.combine.lr(203,103)(whatever,lixf,loxf);
83   tsu_render;
84 endsuglyph;
85

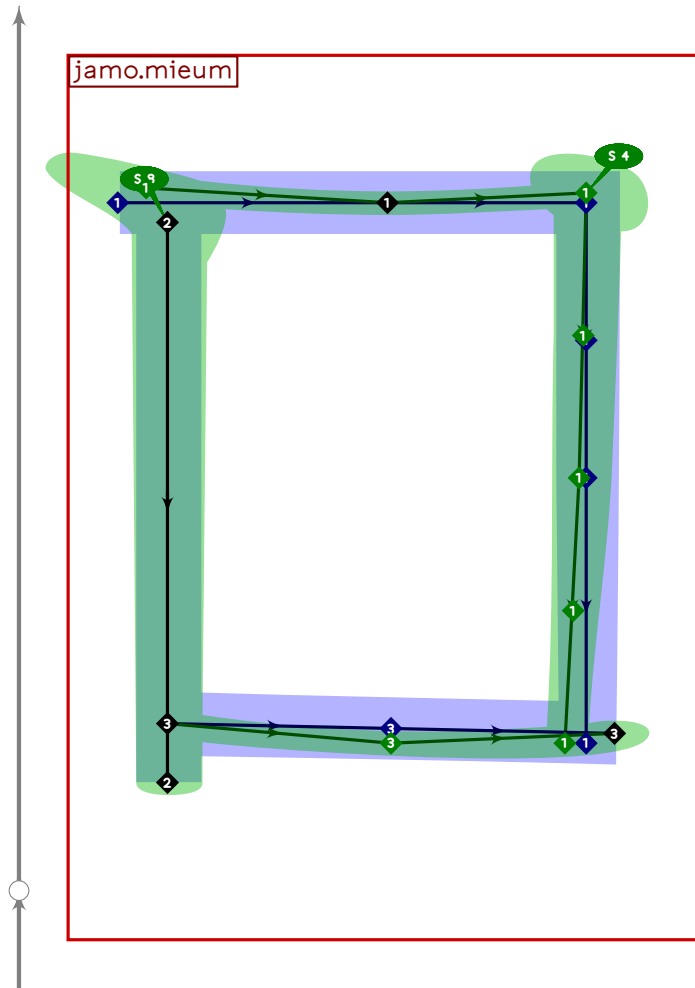
```

U+FF505
mande.uni1105.lj4

FF5



```
86 % hangul lead rieul
87 beginsuglyph("uni1105.lj4";5);
88   hangul.jamo.rieul(whatever,lixf,loxf);
89   tsu_render;
90 endsuglyph;
91
```



FF5

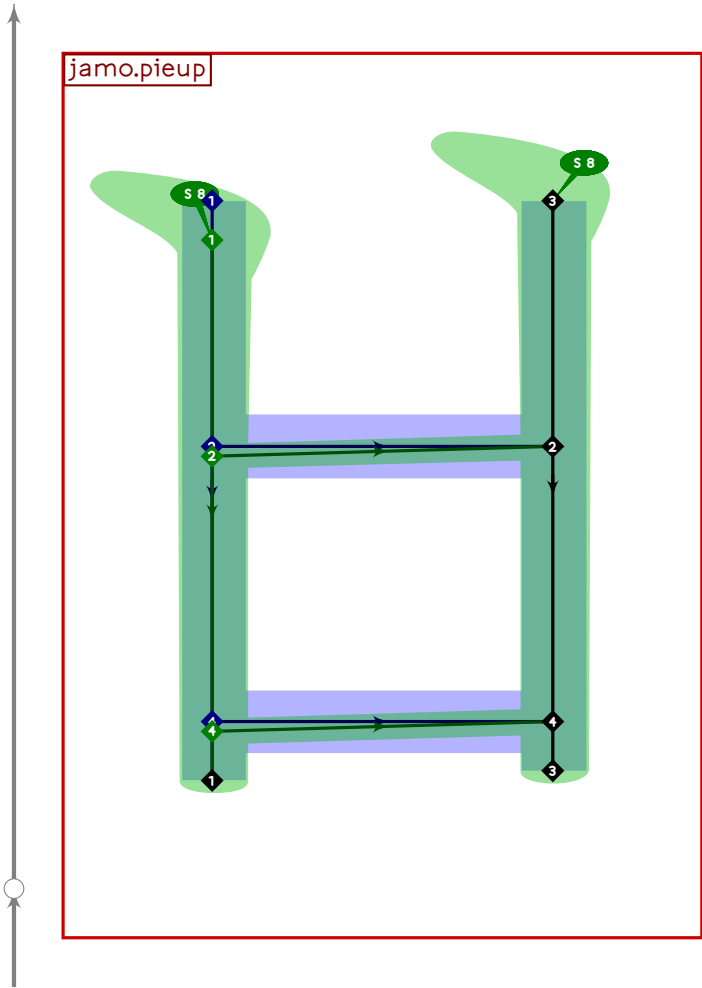
```

92 % hangul lead mieum
93 beginsuglyph("uni1106.lj4",6);
94 hangul.jamo.mieum(whatever,lixf,loxf);
95 tsu_render;
96 endsuglyph;
97

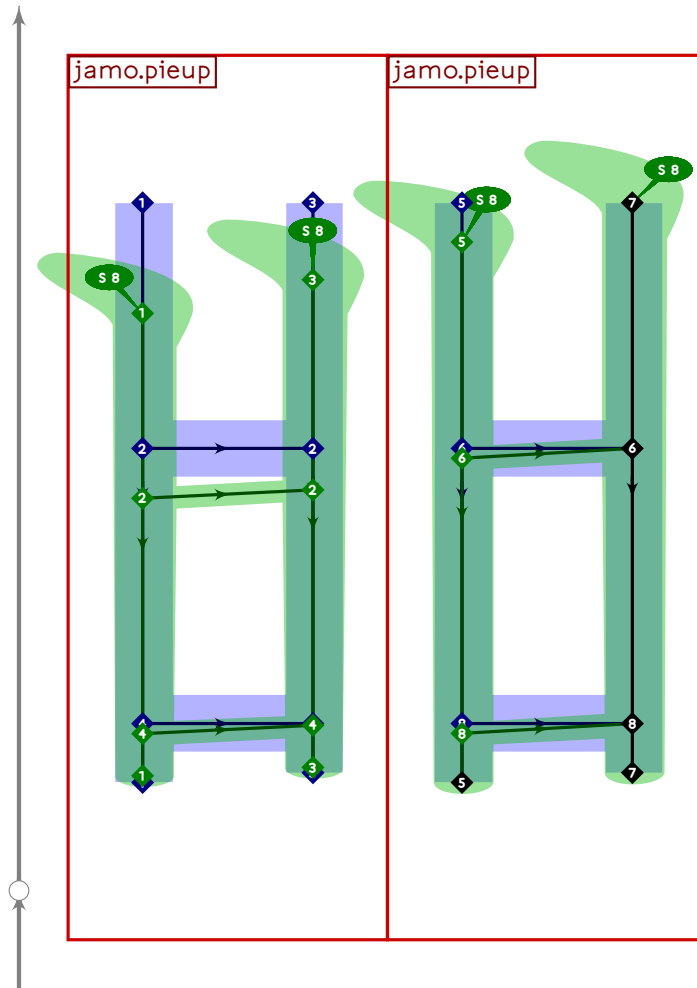
```

U+FF507
mande.uni1107.lj4

FF5



```
98 % hangul lead pieup
99 begintsuglyph("uni1107.lj4";7);
100 hangul.jamo.pieup(whatever,lixf,loxf);
101 tsu_render;
102 endtsuglyph;
103
```

FF5

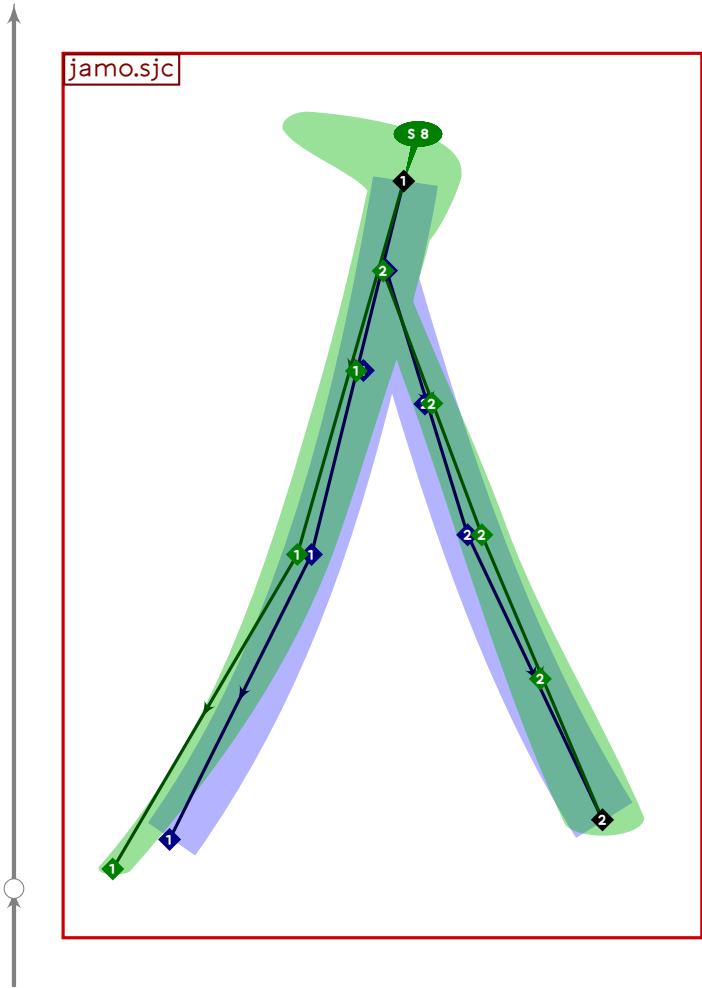
```

104 % hangul lead ssangpieup
105 beginsuglyph("uni1108.lj4";8);
106 hangul.combine.lr(207,107)(whatever,lixf,loxf);
107 tsu_render;
108 endsuglyph;
109

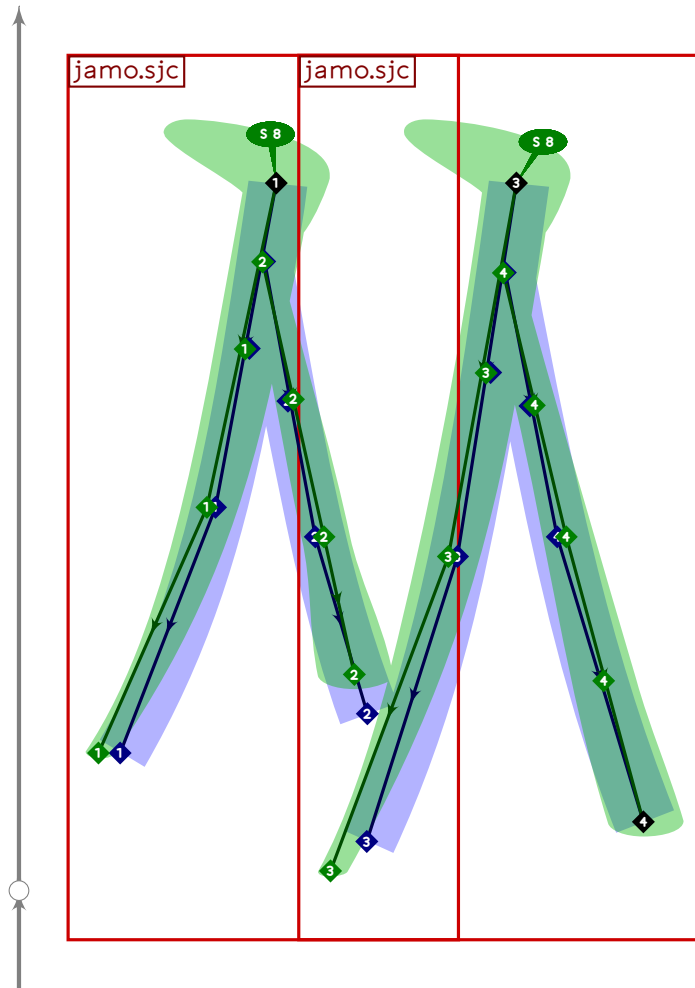
```

U+FF509
mande.uni1109.lj4

FF5



```
110 % hangul lead sios
111 begintsuglyph("uni1109.lj4";9);
112   hangul.jamo.sjc(0,0,false)(whatever,lixf,loxf);
113   tsu_render;
114 endsuglyph;
115
```



FF5

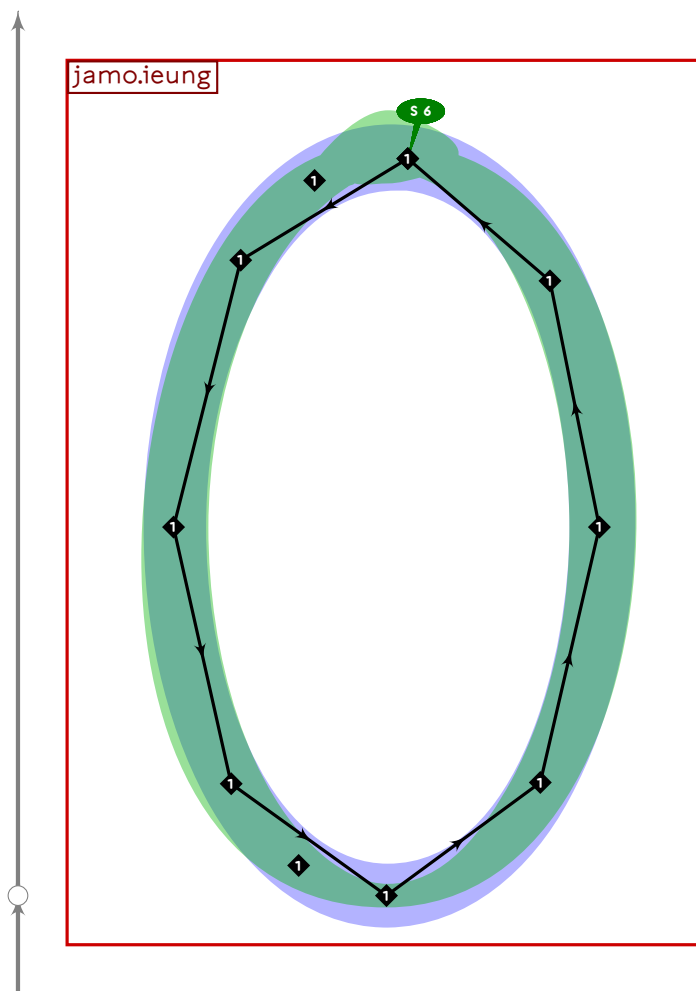
```

116 % hangul lead ssangsios
117 begint Suglyph("uni110A.lj4",10);
118 hangul.combine.lr(209,109)(whatever,lixf,loxf);
119 tsu_render;
120 endtsuglyph;
121

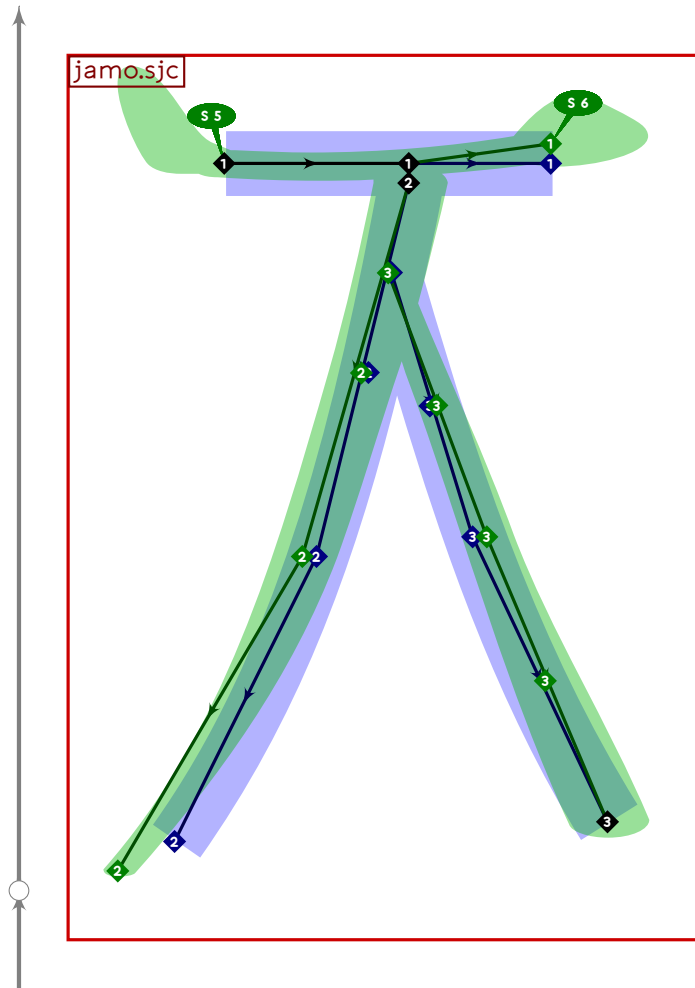
```

U+FF50B
mande.uni110B.lj4

FF5



```
122 % hangul lead ieung
123 beginsuglyph("uni110B.lj4";11);
124   hangul.jamo.ieung(whatever,lixf,loxf);
125   tsu_render;
126 endsuglyph;
127
```



FF5

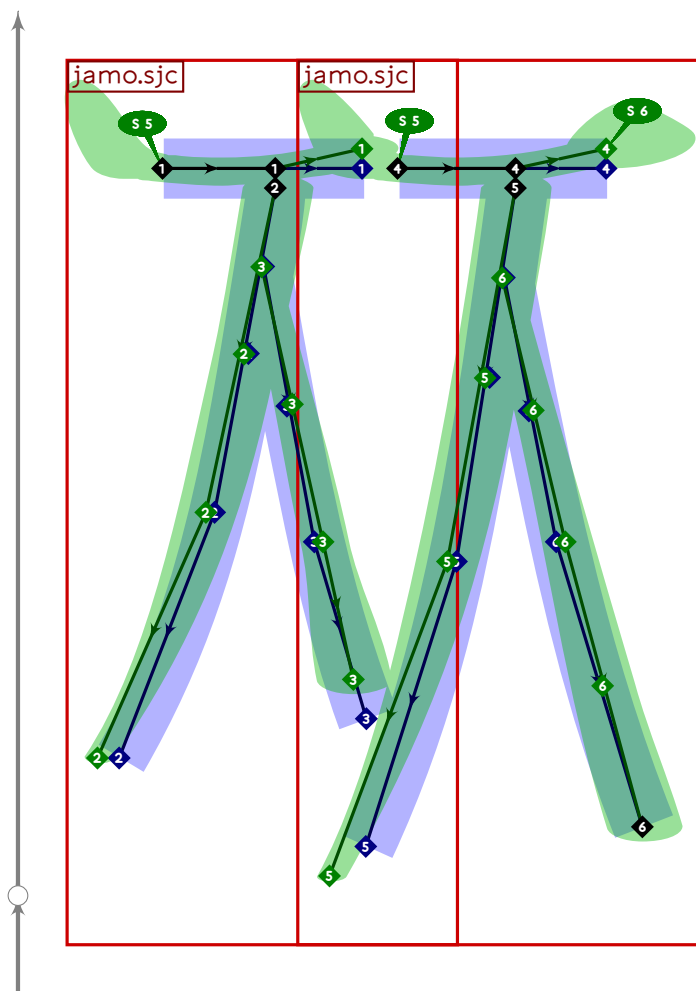
```

128 % hangul lead cieuc
129 begint Suglyph("uni110C.lj4",12);
130   hangul.jamo.sjc(1,0,false)(whatever,lixf,loxf);
131   tsu_render;
132 endtsuglyph;
133

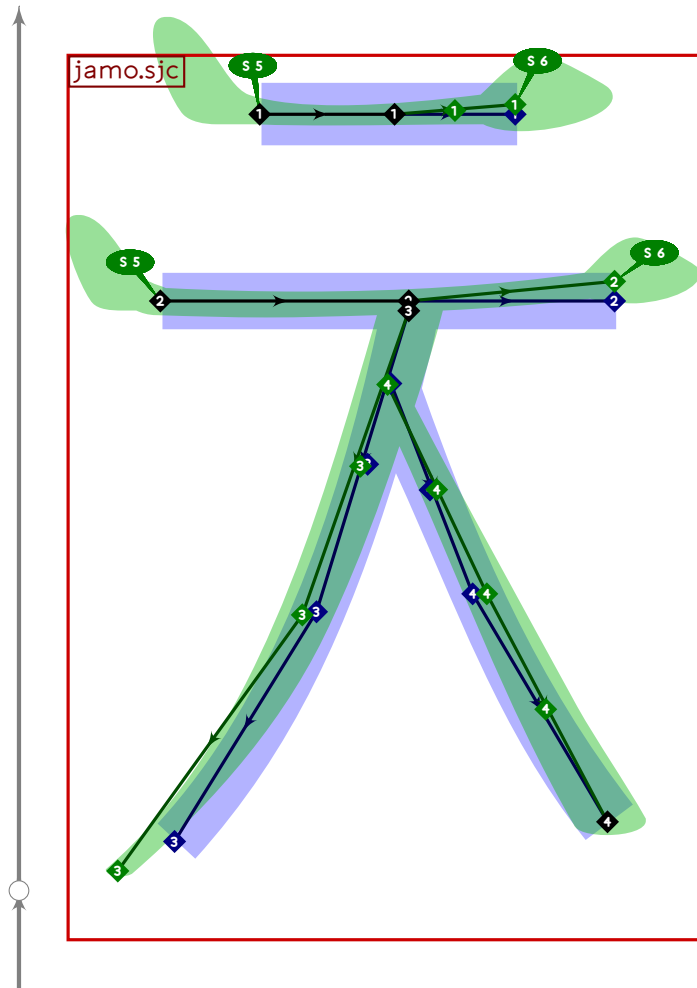
```

U+FF50D
mande.uni110D.lj4

FF5



```
134 % hangul lead ssangcieuc
135 begintsuglyph("uni110D.lj4",13);
136 hangul.combine.lr(212,112)(whatever,lixf,loxf);
137 tsu_render;
138 endtsuglyph;
139
```



FF5

```

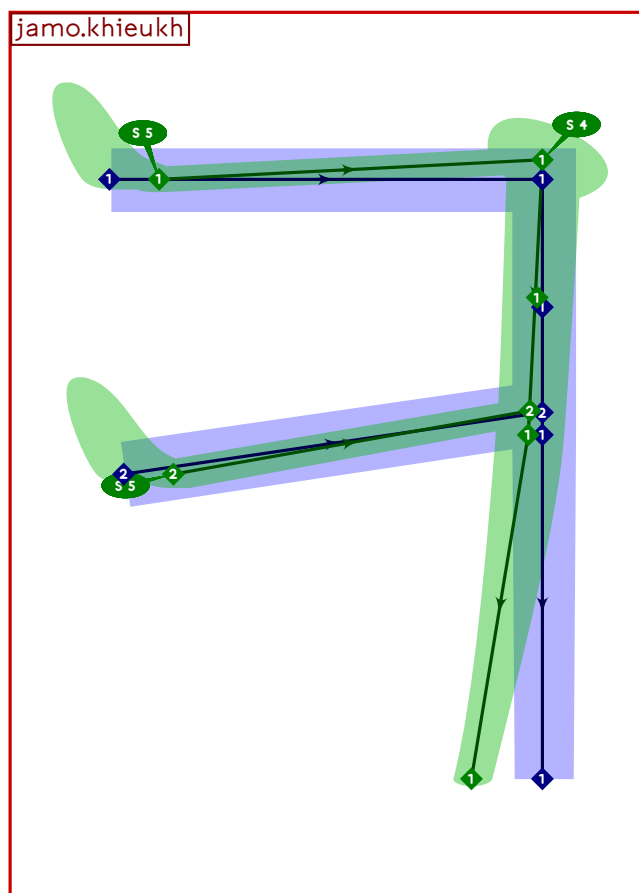
140 % hangul lead chieuch
141 begint Suglyph("uni110E.lj4",14);
142   hangul.jamo.sjc(2,0,false)(whatever,lixf,loxf);
143   tsu_render;
144 endtsuglyph;
145

```

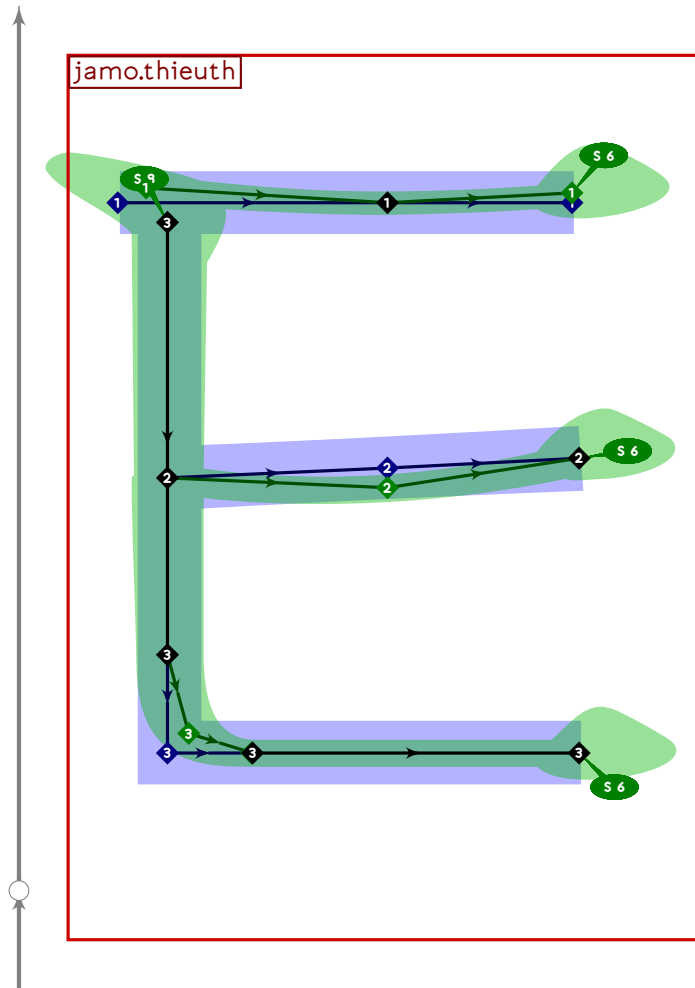
U+FF50F
mande.uni110F.lj4

FF5

jamo.khieukh



```
146 % hangul lead khieukh
147 beginsuglyph("uni110F.lj4";15);
148 hangul.jamo.khieukh(whatever,lixf,loxf);
149 tsu_render;
150 endsuglyph;
151
```

FF5

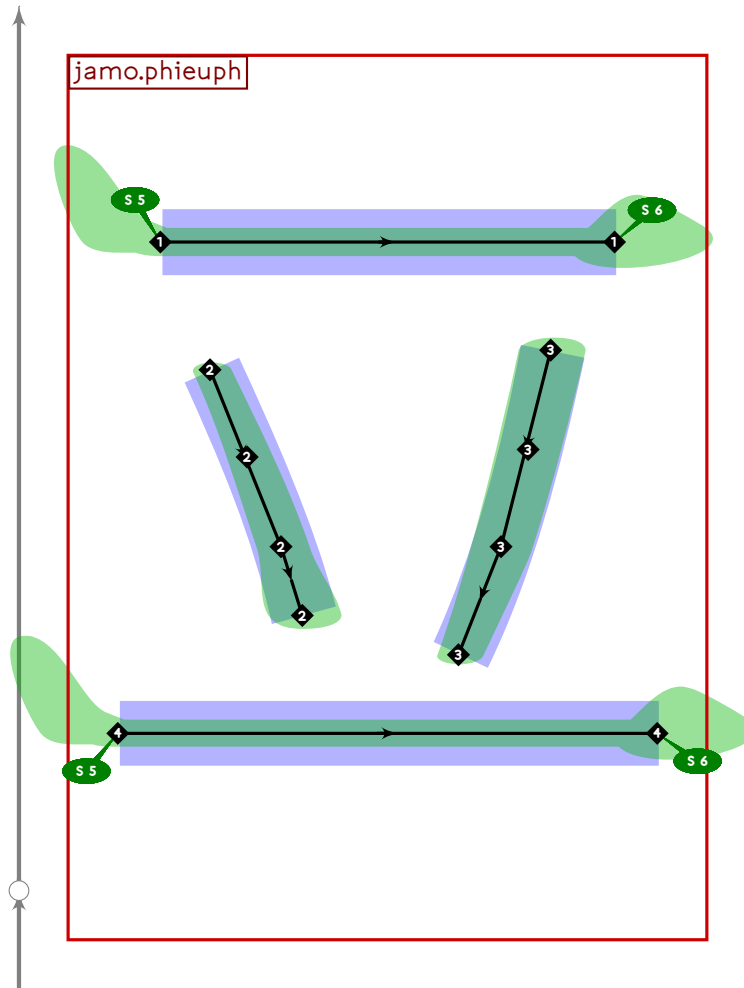
```

152 % hangul lead thieuth
153 beginsuglyph("uni1110.lj4",16);
154   hangul.jamo.thieuth(whatever,lixf,loxf);
155   tsu_render;
156 endsuglyph;
157

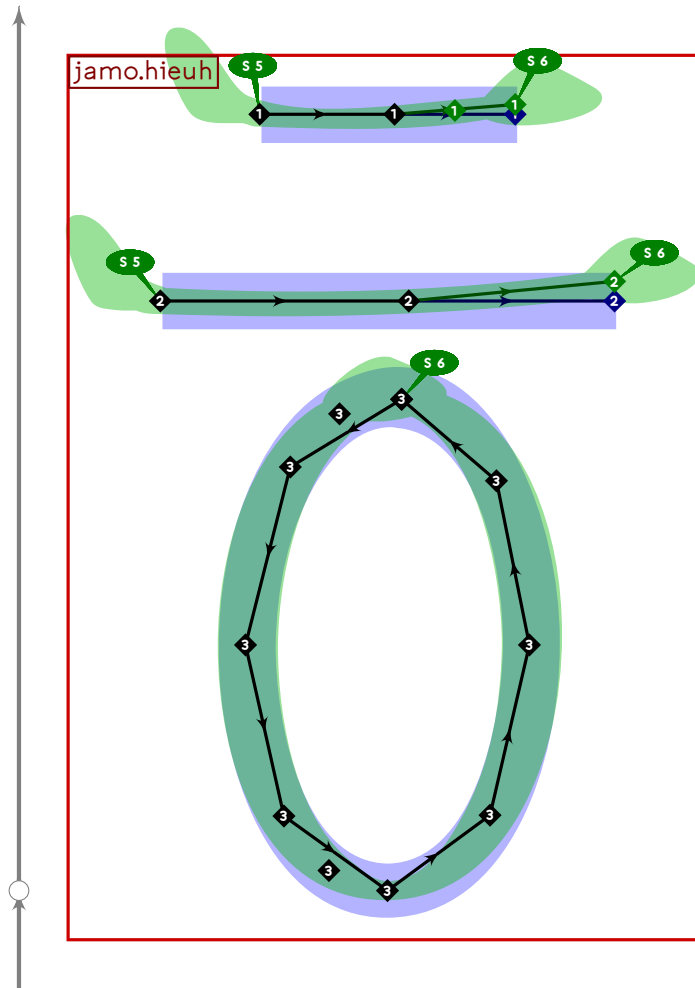
```

U+FF511
mande.uni1111.lj4

FF5



```
158 % hangul lead phieuph
159 begintsuglyph("uni1111.lj4",17);
160 hangul.jamo.phieuph(whatever,lixf,loxf);
161 tsu_render;
162 endtsuglyph;
163
```



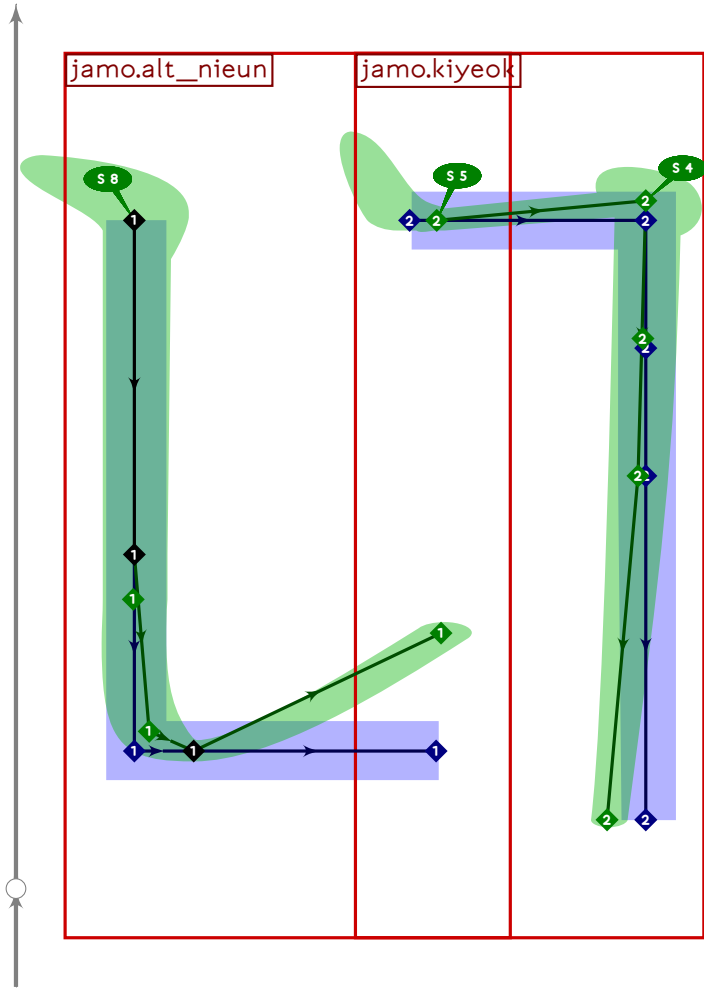
FF5

```

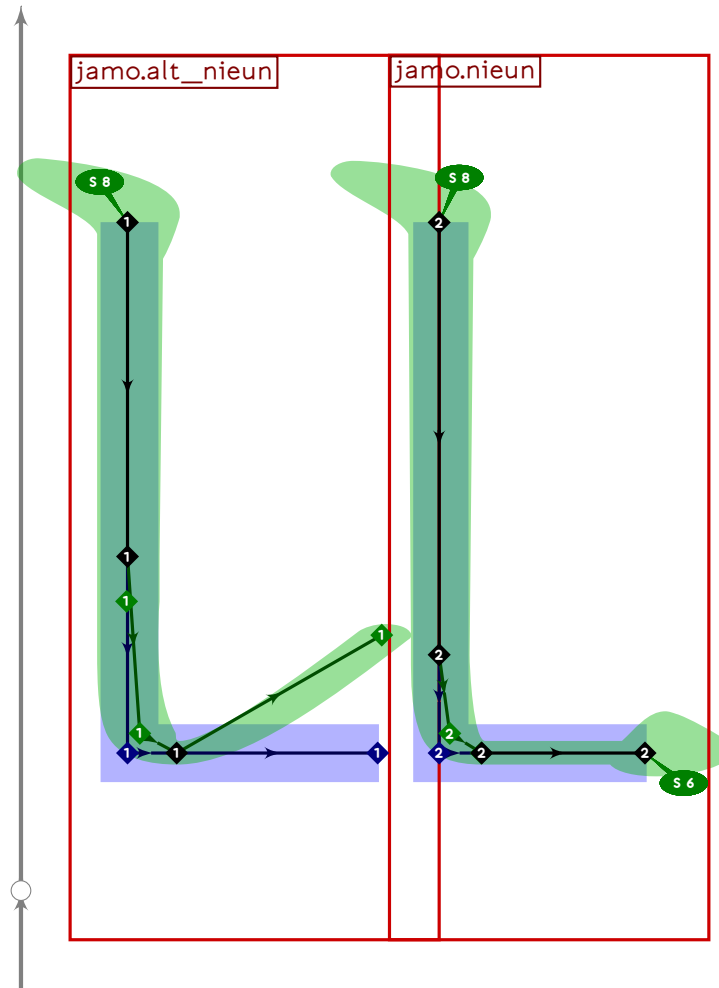
164 % hangul lead hieuh
165 begintsuglyph("uni1112.lj4",18);
166   hangul.jamo.hieuh(whatever,lixf,loxf);
167   tsu_render;
168 endtsuglyph;
169

```

FF5



```
170 % hangul lead nieun-kiyeok
171 begintsuglyph("uni1113.lj4";19);
172   hangul.combine.lr(202,100)(whatever,lixf,loxf);
173   tsu_render;
174 endsuglyph;
175
```



FF5

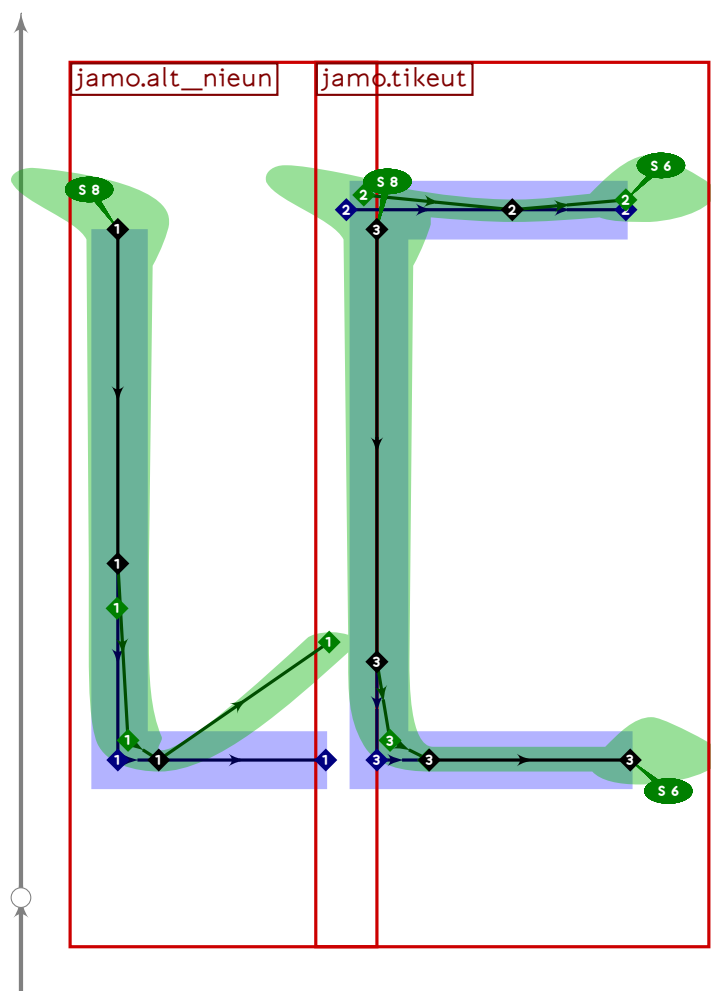
```

176 % hangul lead ssangnieun
177 begintsuglyph("uni1114.lj4";20);
178 hangul.combine.lr(202,102)(whatever,lixf,loxf);
179 tsu_render;
180 endtsuglyph;
181

```

U+FF515
mande.uni1115.lj4

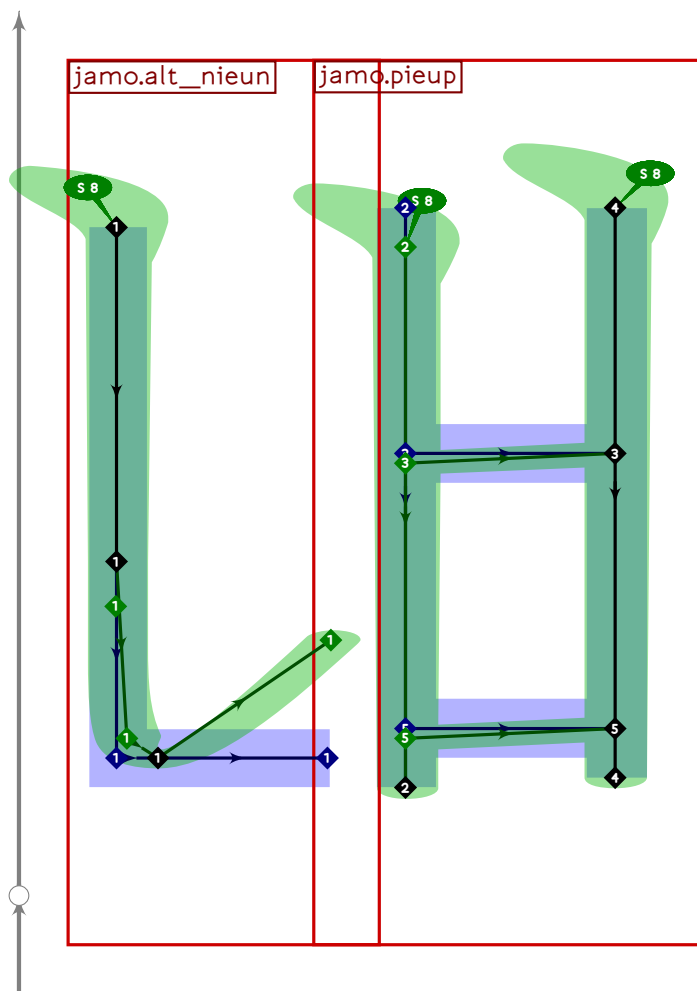
FF5



```

182 % hangul lead nieun-tikeut
183 beginsuglyph("uni1115.lj4";21);
184   hangul.combine.lr(202,103)(whatever,lixf,loxf);
185   tsu_render;
186 endsuglyph;
187

```



FF5

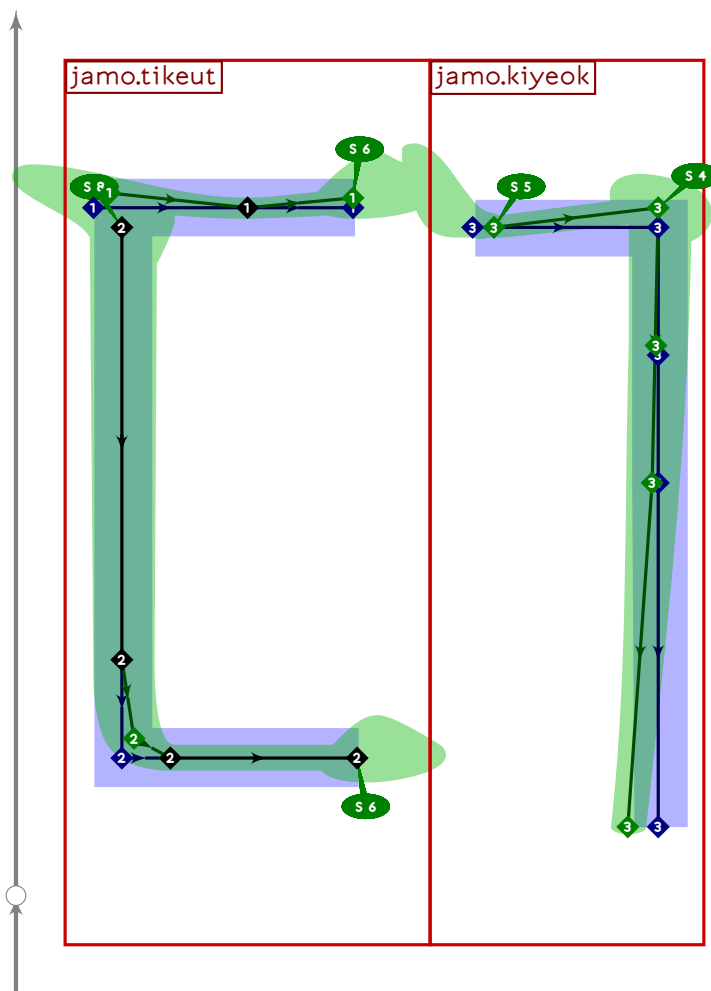
```

188 % hangul lead nieun-pieup
189 begintsuglyph("uni1116.lj4";22);
190 hangul.combine.lr(202,107)(whatever,lixf,loxf);
191 tsu_render;
192 endtsuglyph;
193

```

U+FF517
mande.uni1117.lj4

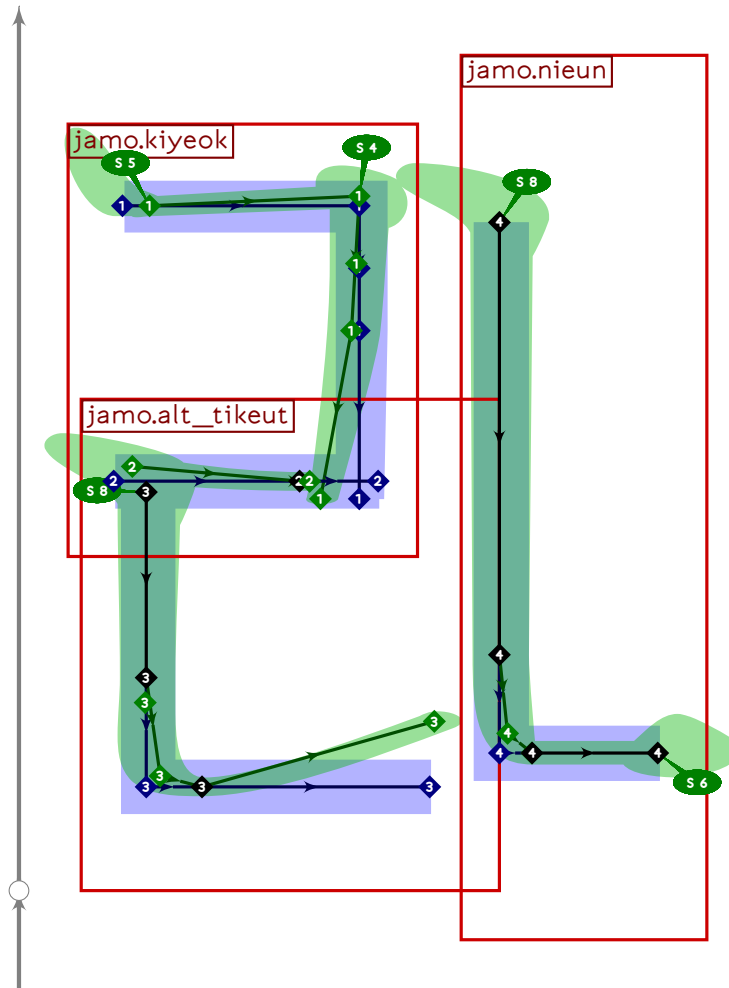
FF5



```

194 % hangul lead tikeut-kiyeok
195 begintsuglyph("uni1117.lj4";23);
196   hangul.combine.lr(103,100)(whatever,lixf,loxf);
197   tsu_render;
198 endtsuglyph;
199

```

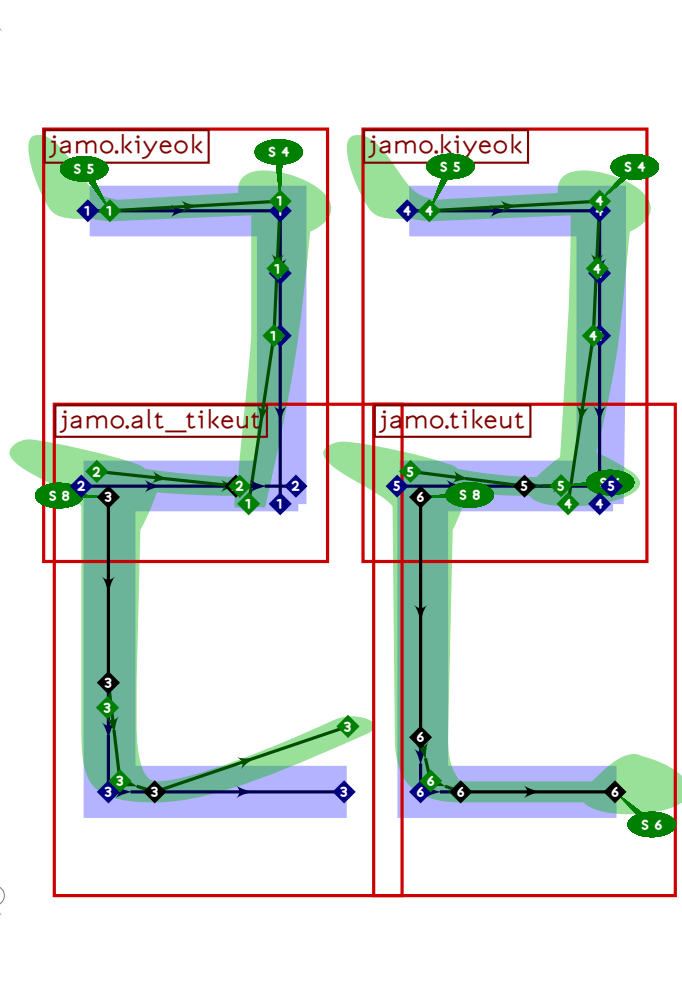
FF5

```

200 % hangul lead rieul-nieun
201 begintsuglyph("uni1118.lj4";24);
202   hangul.combine.lr(205,102)(whatever,lixf,loxf);
203   tsu_render;
204 endsuglyph;
205

```

U+FF519
mande.uni1119.lj4

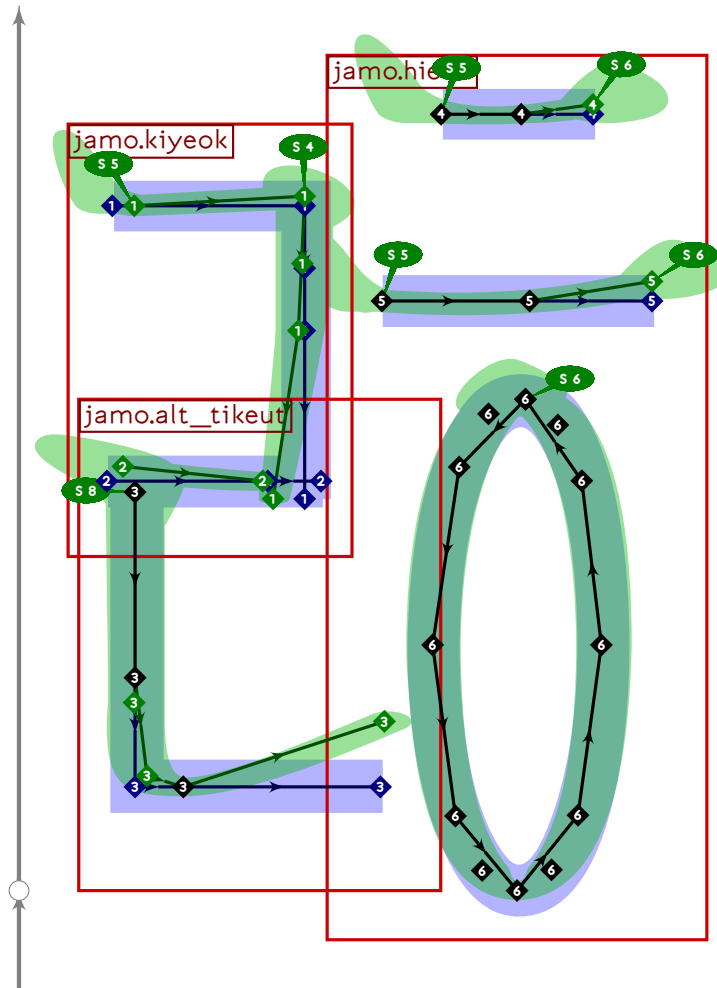


FF5

```

206 % hangul lead ssangrieul
207 begintsuglyph("uni1119.lj4",25);
208 hangul.combine.lr(205,105)(whatever,lixf,loxf);
209 tsu_render;
210 endtsuglyph;
211

```



FF5

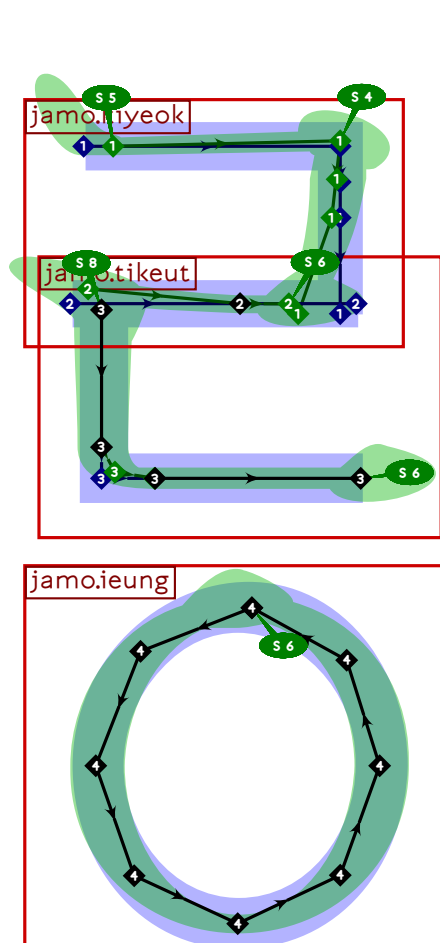
```

212 % hangul lead rieul-hieuh
213 begintsuglyph("uni111A.lj4";26);
214   hangul.combine.lr(205,118)(whatever,lixf,loxf);
215   tsu_render;
216 endtsuglyph;
217

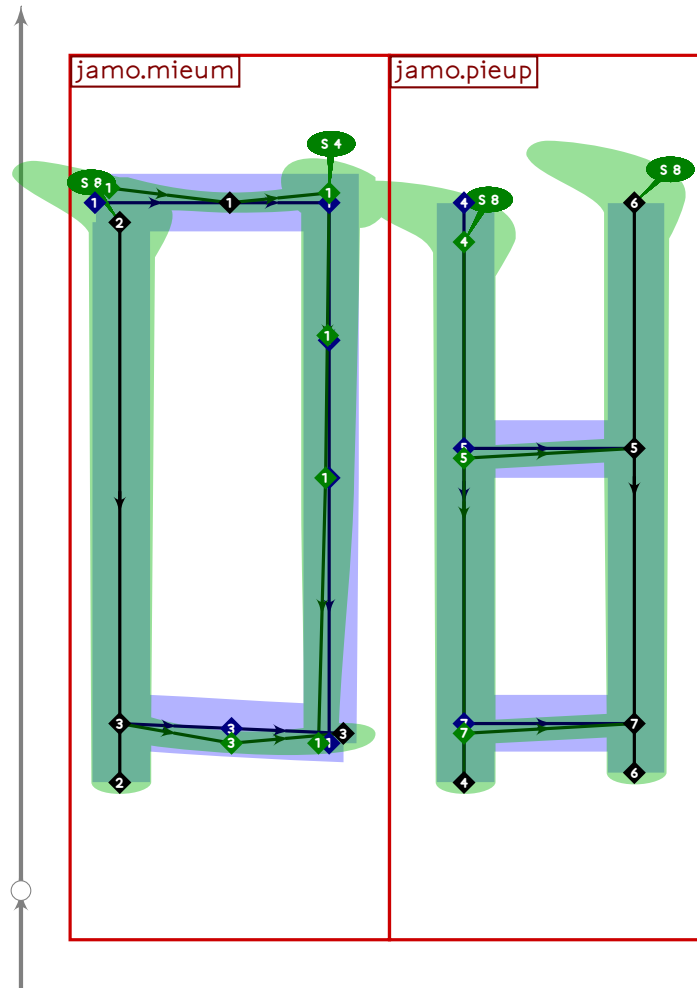
```

U+FF51B
mande.uni111B.lj4

FF5



```
218 % hangul lead kapyeounrieul
219 begintsuglyph("uni111B.lj4";27);
220   hangul.combine.tb(105,521)(whatever,
221     hxf((200,850),(800,-50)) transformed lixf,loxf);
222   tsu_render;
223 endtsuglyph;
224
```



FF5

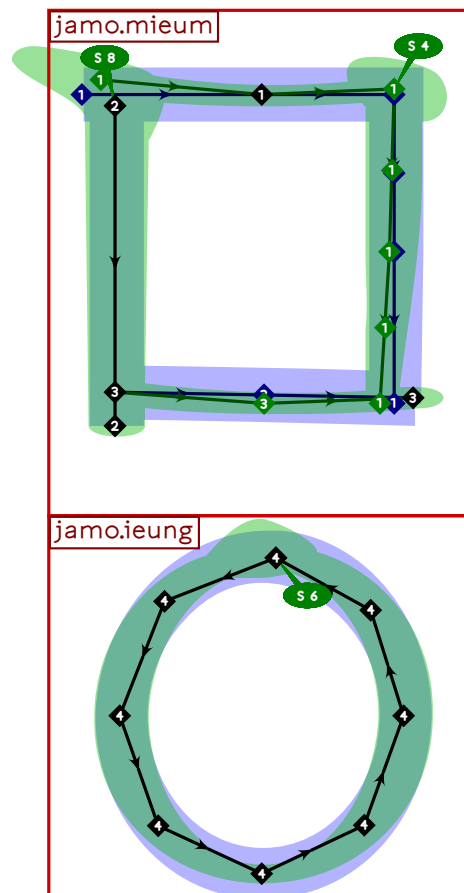
```

225 % hangul lead mieum-pieup
226 begintsuglyph("uni111C.lj4";28);
227 hangul.combine.lr(106,107)(whatever,lixf,loxf);
228 tsu_render;
229 endsuglyph;
230

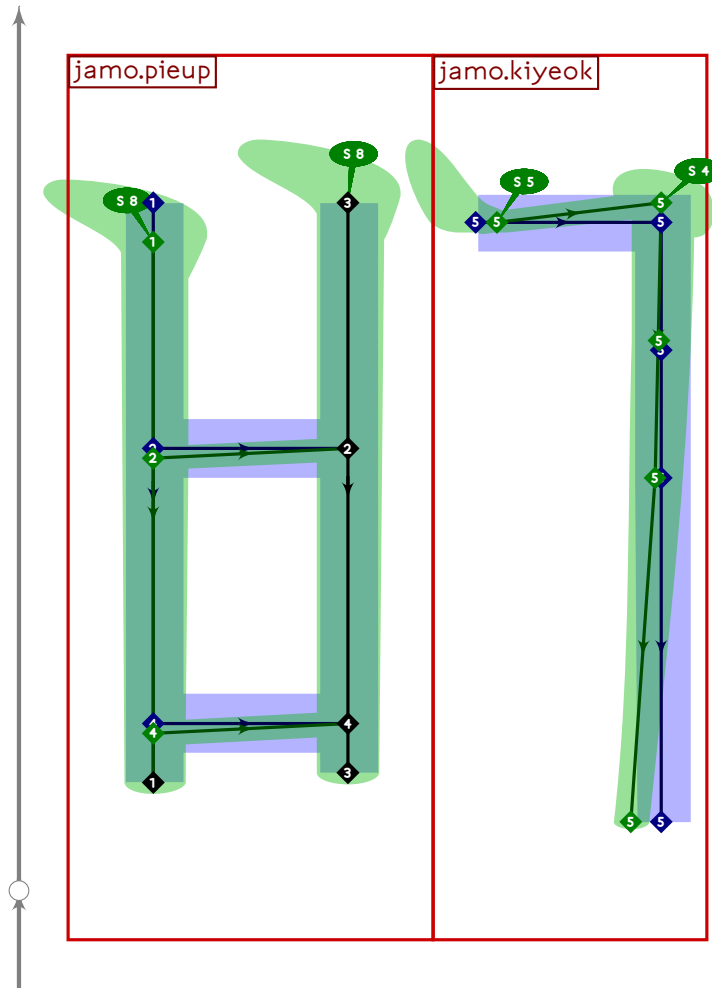
```

U+FF51D
mande.uni111D.lj4

FF5



```
231 % hangul lead kapyeounmieum
232 beginsuglyph("uni111D.lj4";29);
233   hangul.combine.tb(106,521)(whatever,
234     hxf((200,850),(800,-50)) transformed lixf,loxf);
235   tsu_render;
236 endsuglyph;
237
```



FF5

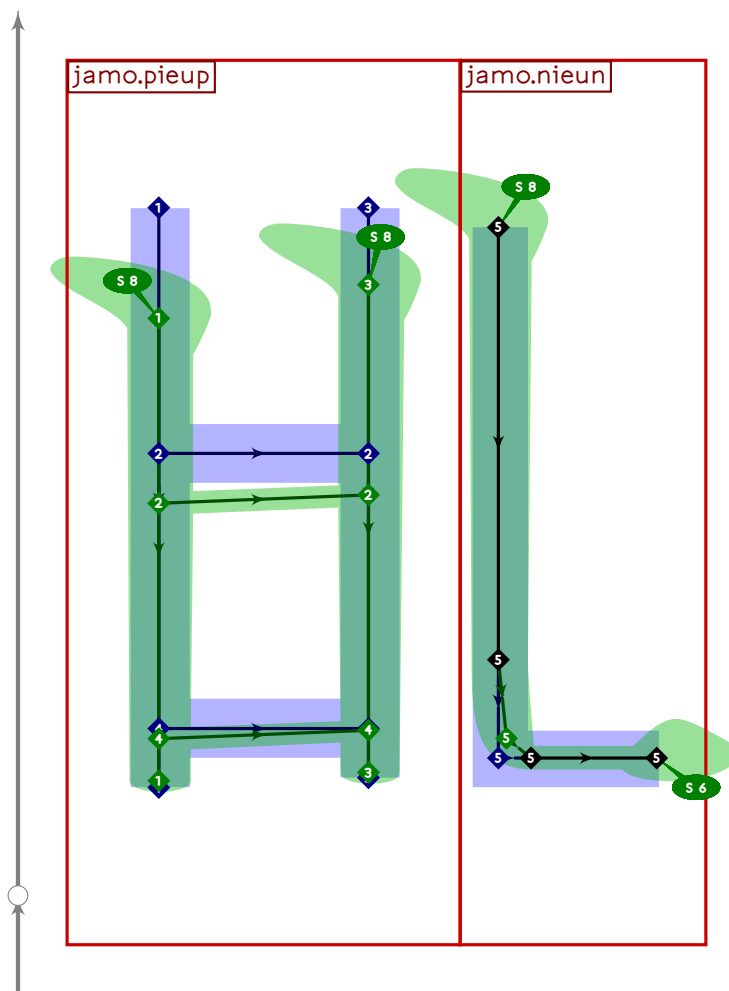
```

238 % hangul lead pieup-kiyeok
239 begintsuglyph("uni111E.lj4";30);
240 hangul.combine.lr(107,100)(whatever,lixf,loxf);
241 tsu_render;
242 endsuglyph;
243

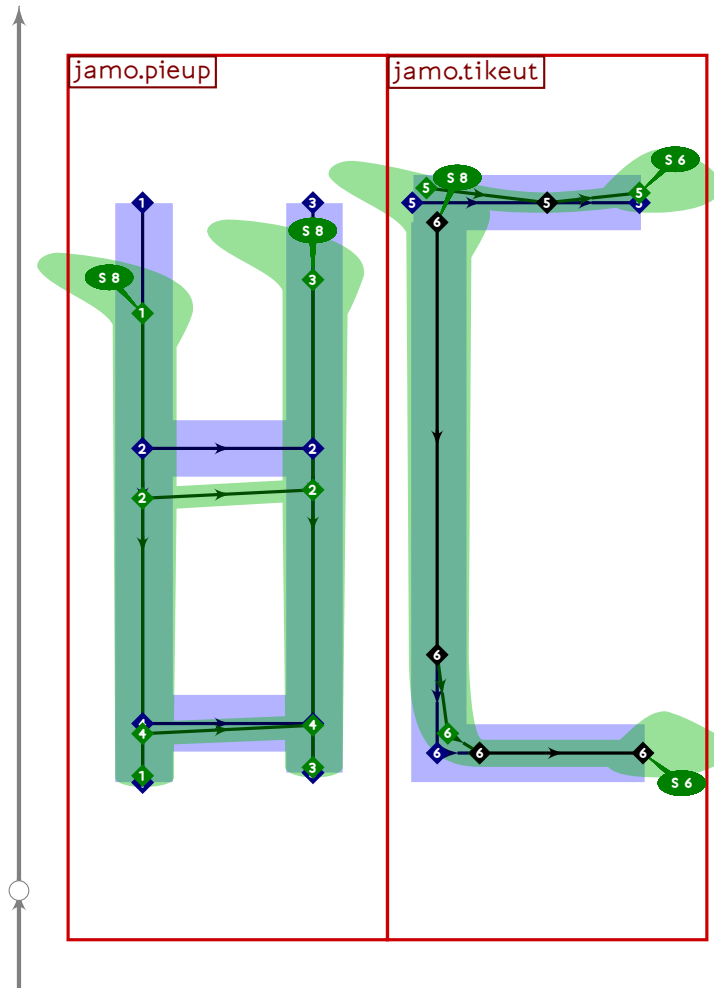
```

U+FF51F
mande.uni111F.lj4

FF5



```
244 % hangul lead pieup-nieun
245 begintsuglyph("uni111F.lj4",31);
246 hangul.combine.lr(207,102)(whatever,lixf,loxf);
247 tsu_render;
248 endtsuglyph;
249
```

FF5

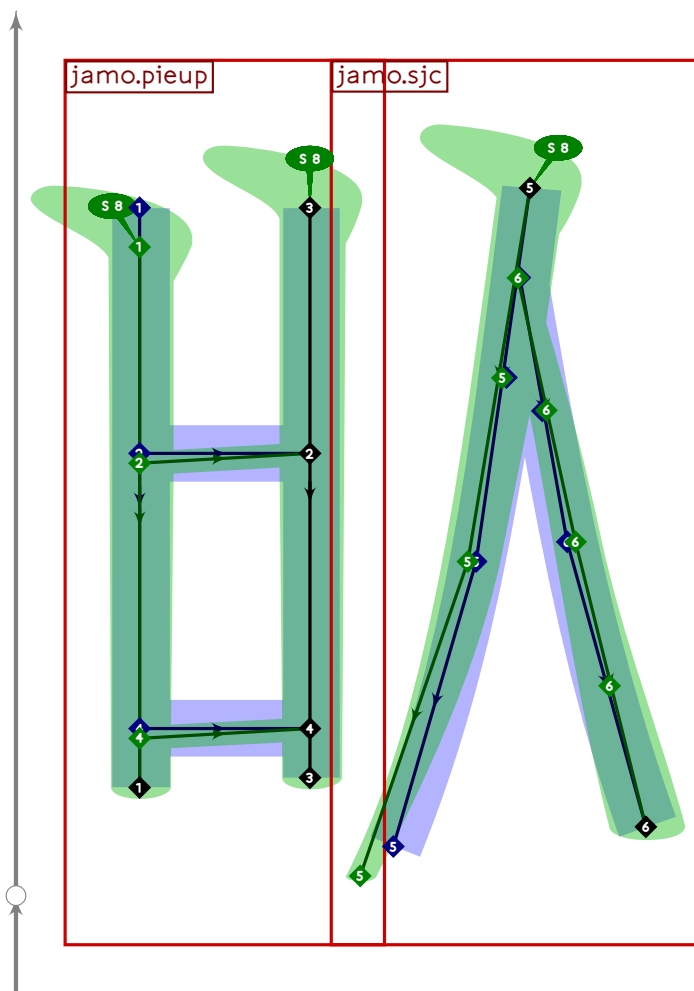
```

250 % hangul lead pieup-tikeut
251 begintsuglyph("uni1120.lj4";32);
252   hangul.combine.lr(207,103)(whatever,lixf,loxf);
253   tsu_render;
254 endtsuglyph;
255

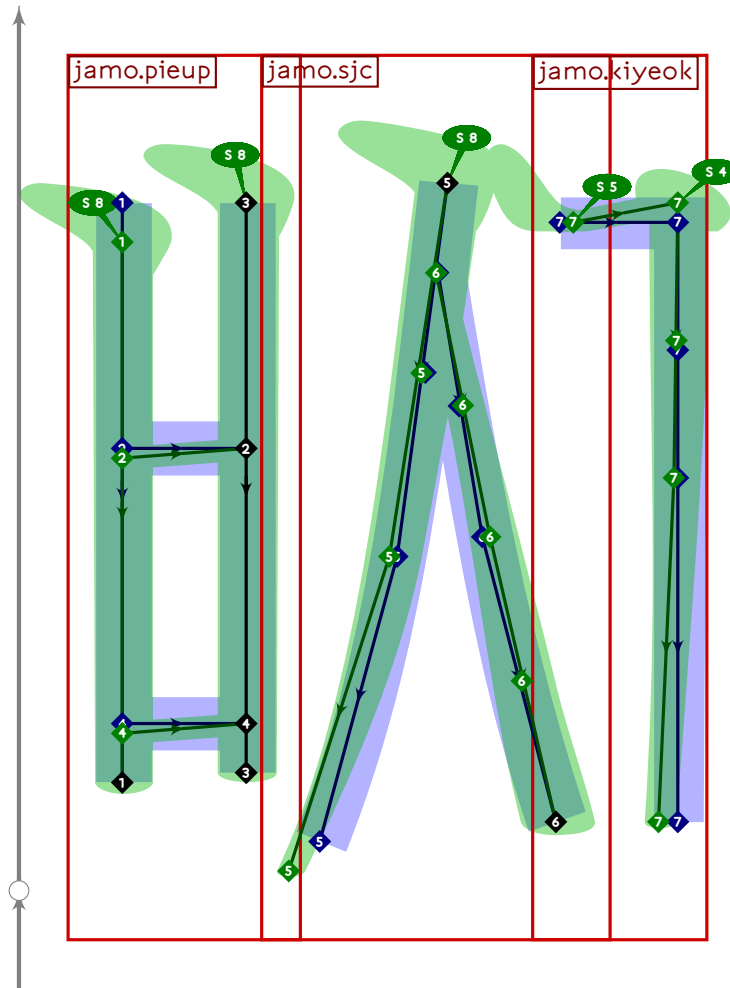
```

U+FF521
mande.uni1121.lj4

FF5



```
256 % hangul lead pieup-sios
257 begintsuglyph("uni1121.lj4";33);
258   hangul.combine.lr(107,109)(whatever,lixf,loxf);
259   tsu_render;
260 endsuglyph;
261
```



FF5

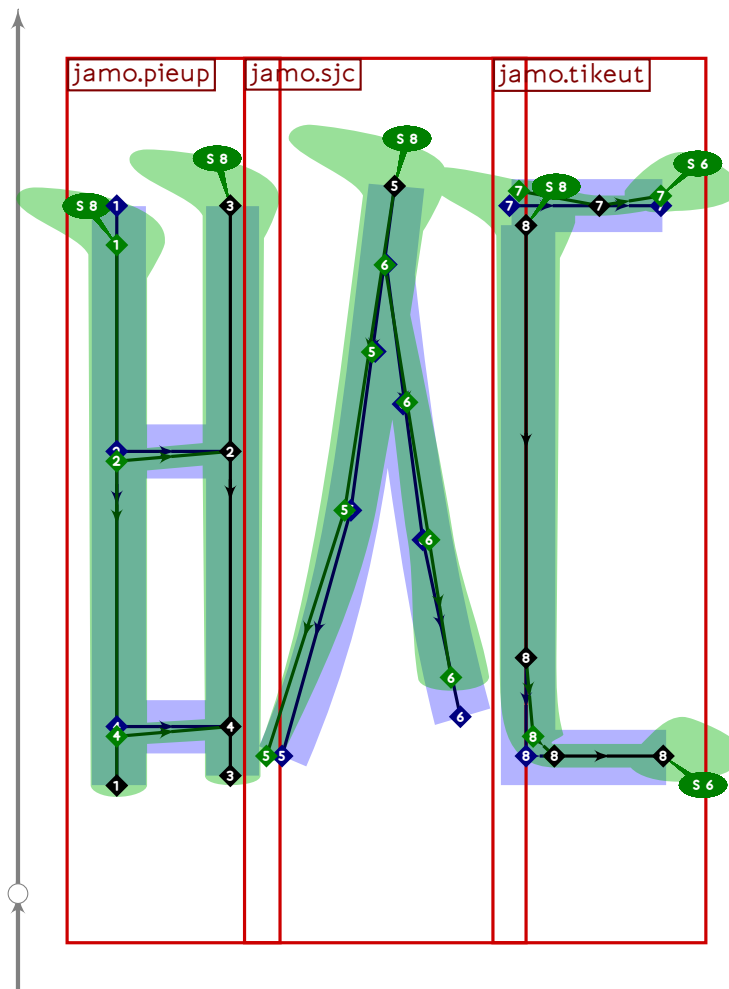
```

262 % hangul lead pieup-sios-kiyeok
263 begintsuglyph("uni1122.lj4";34);
264   hangul.combine.lcr(107,109,100)(whatever,lixf,loxf);
265   tsu_render;
266 endtsuglyph;
267

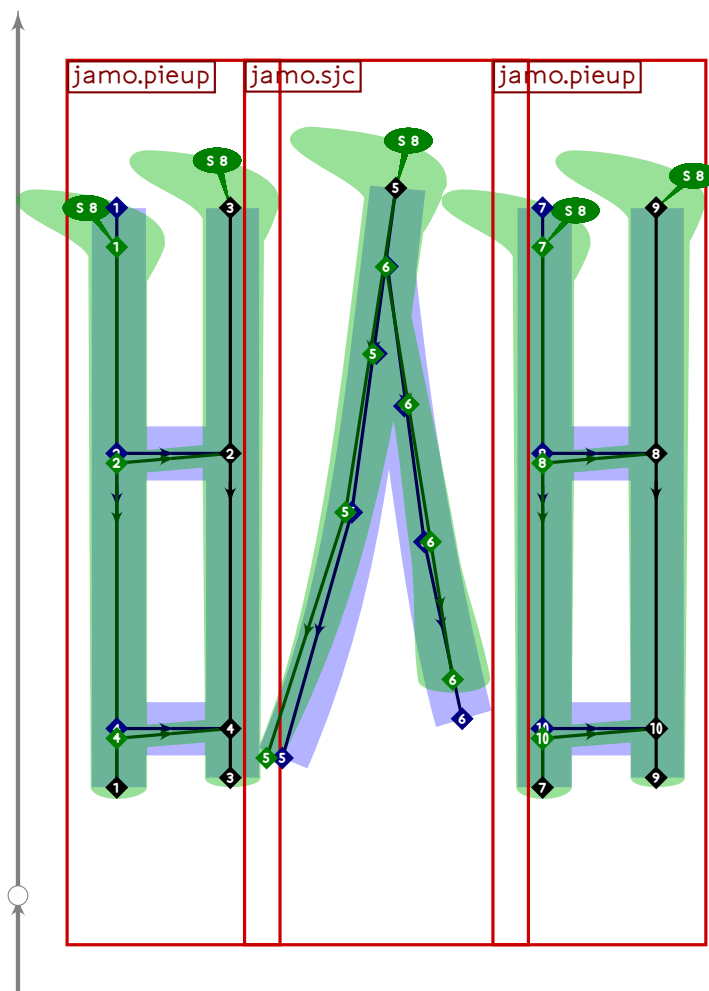
```

U+FF523
mande.uni1123.lj4

FF5



```
268 % hangul lead pieup-sios-tikeut
269 begintsuglyph("uni1123.lj4";35);
270 hangul.combine.lcr(107,209,103)(whatever,lixf,loxf);
271 tsu_render;
272 endtsuglyph;
273
```



FF5

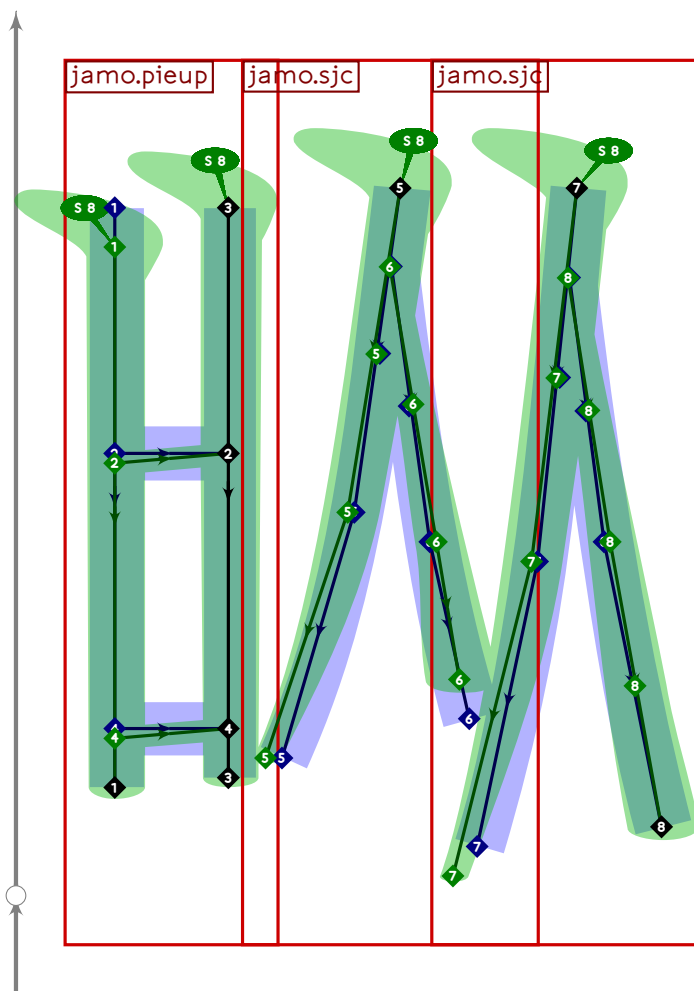
```

274 % hangul lead pieup-sios-pieup
275 begintsuglyph("uni1124.lj4";36);
276   hangul.combine.lcr(107,209,107)(whatever,lixf,loxf);
277   tsu_render;
278 endtsuglyph;
279

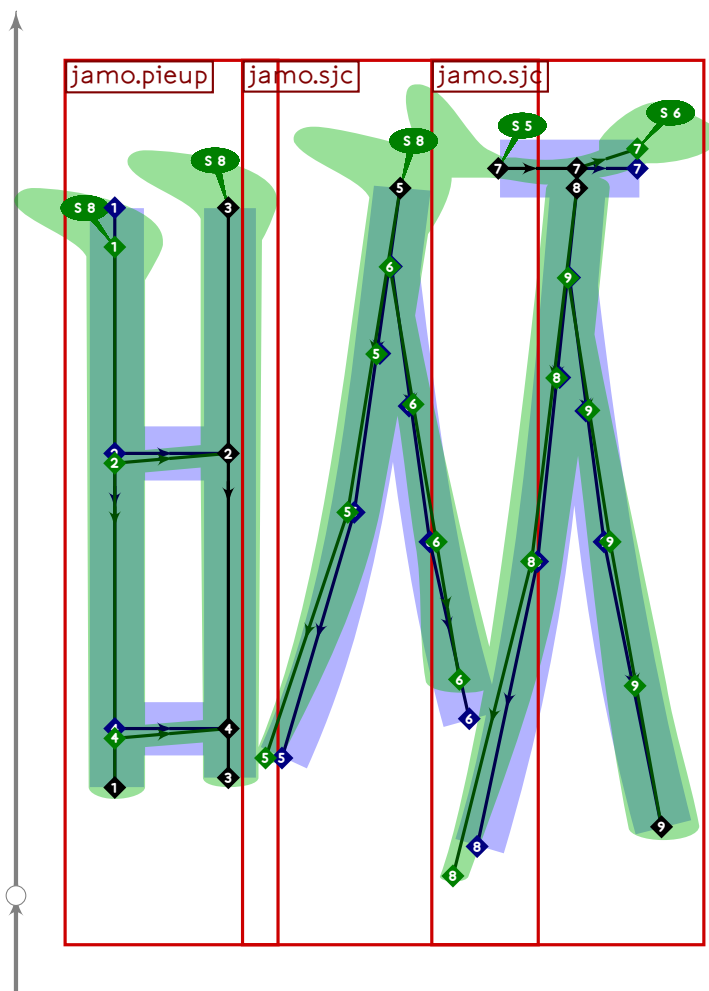
```

U+FF525
mande.uni1125.lj4

FF5



```
280 % hangul lead pieup-ssangsios
281 begintsuglyph("uni1125.lj4";37);
282   hangul.combine.lcr(107,209,109)(whatever,lixf,loxf);
283   tsu_render;
284 endtsuglyph;
285
```



FF5

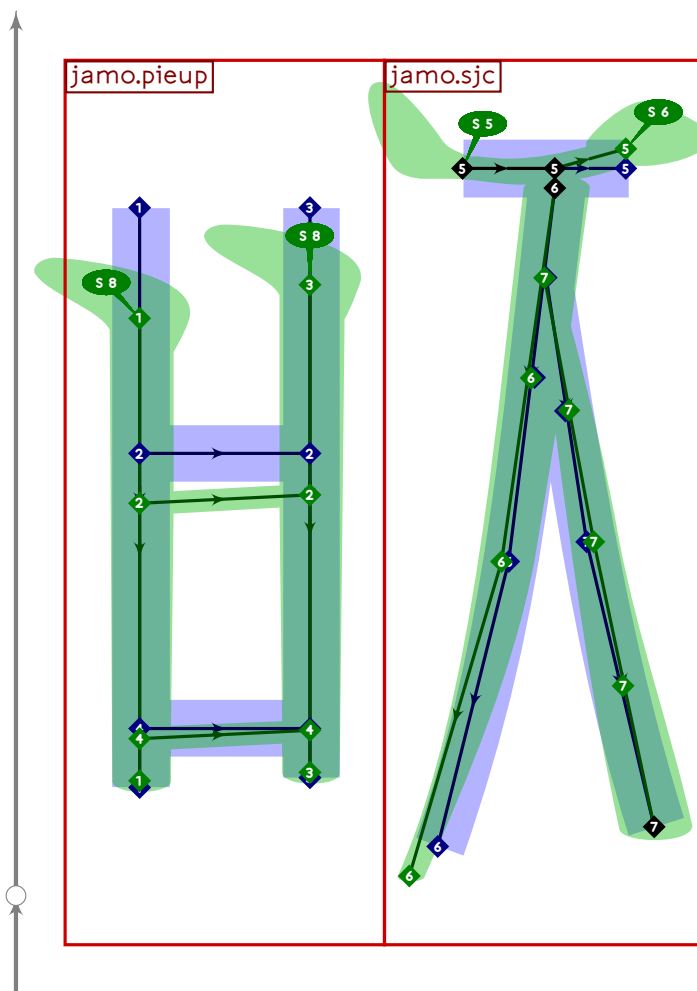
```

286 % hangul lead pieup-sios-cieuc
287 begintsuglyph("uni1126.lj4";38);
288   hangul.combine.lcr(107,209,112)(whatever,lixf,loxf);
289   tsu_render;
290 endsuglyph;
291

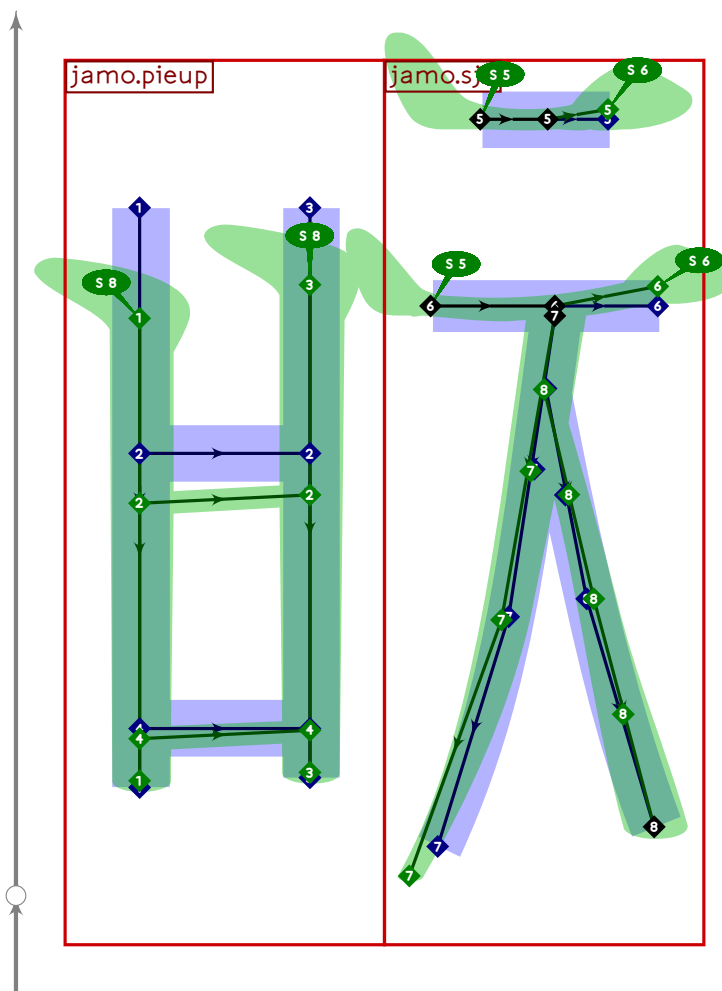
```

U+FF527
mande.uni1127.lj4

FF5



```
292 % hangul lead pieup-cieuc
293 begintsuglyph("uni1127.lj4";39);
294 hangul.combine.lr(207,112)(whatever,lixf,loxf);
295 tsu_render;
296 endsuglyph;
297
```

```

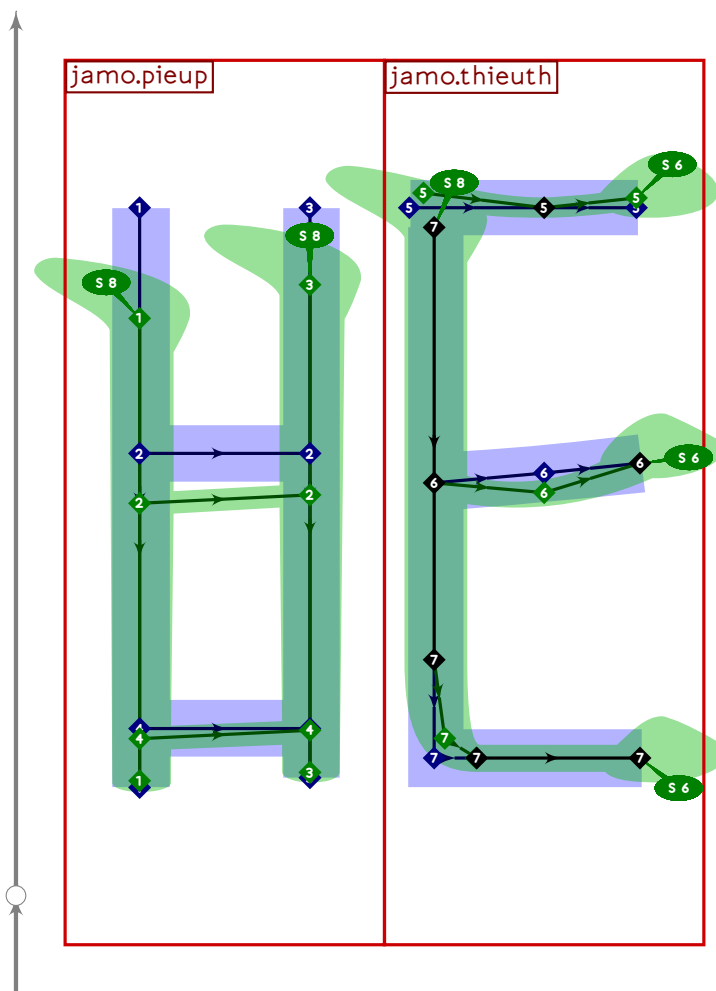
298 % hangul lead pieup-chieuch
299 begintsuglyph("uni1128.lj4";40);
300 hangul.combine.lr(207,114)(whatever,lixf,loxf);
301 tsu_render;
302 endtsuglyph;
303

```

FF5

U+FF529
mande.uni1129.lj4

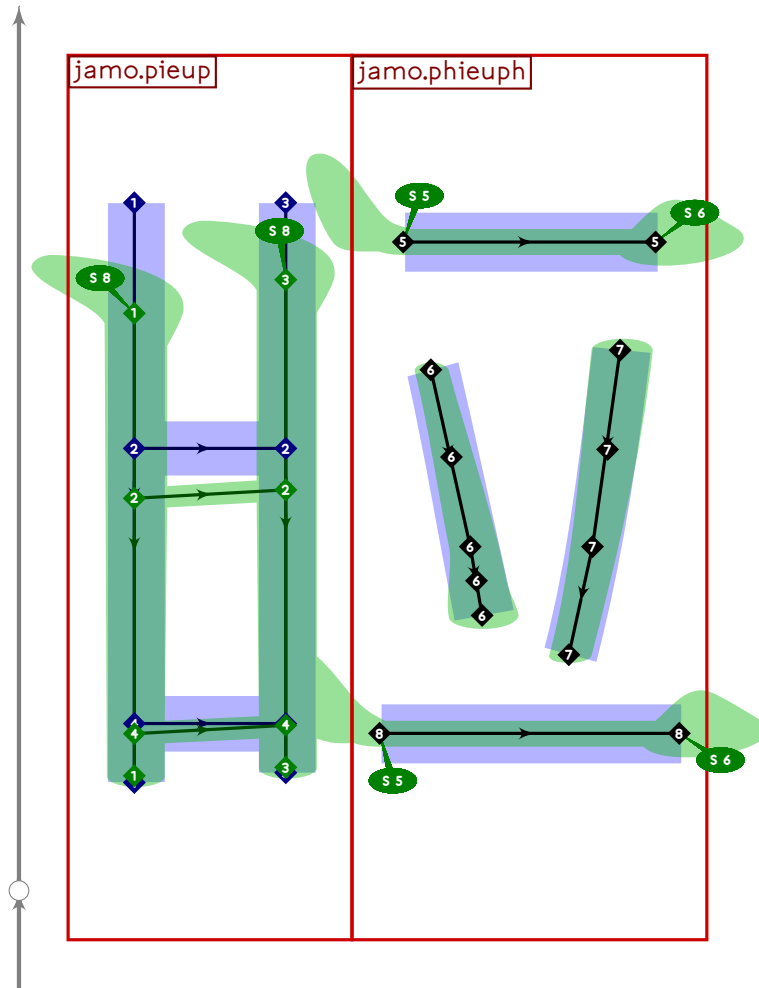
FF5



```

304 % hangul lead pieup-thieuth
305 begintsuglyph("uni1129.lj4";41);
306 hangul.combine.lr(207,116)(whatever,lixf,loxf);
307 tsu_render;
308 endtsuglyph;
309

```



FF5

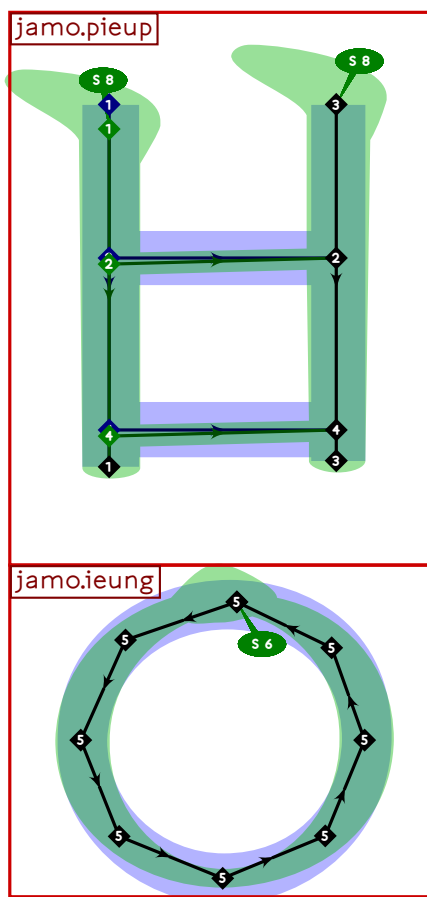
```

310 % hangul lead pieup-phieup
311 begintsuglyph("uni112A.lj4";42);
312   hangul.combine.lr(207,117)(whatever,lixf,loxf);
313   tsu_render;
314 endsuglyph;
315

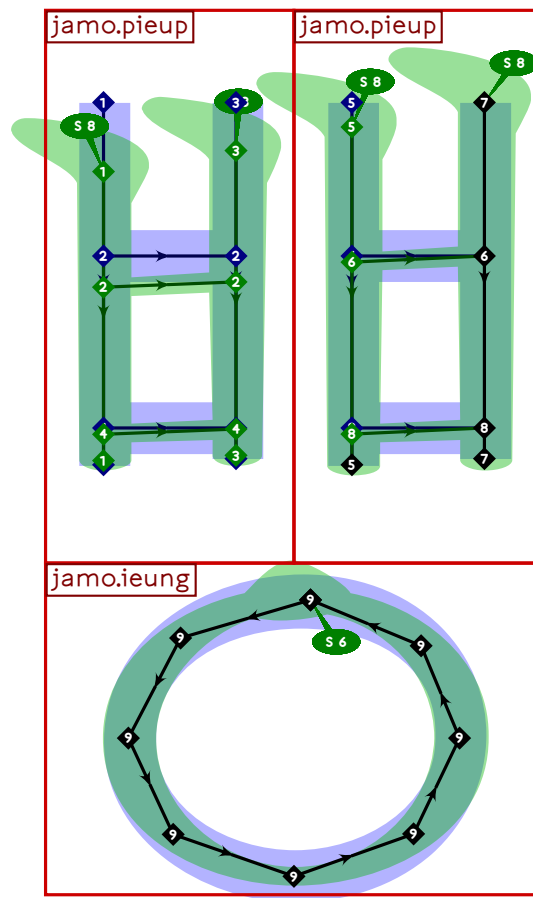
```

U+FF52B
mande.uni112B.lj4

FF5



```
316 % hangul lead kapyeounpieup
317 begintsuglyph("uni112B.lj4";43);
318   hangul.combine.tb(107,521)(whatever,
319     hxf((200,850),(800,-50)) transformed lixf,loxf);
320   tsu_render;
321 endtsuglyph;
322
```



FF5

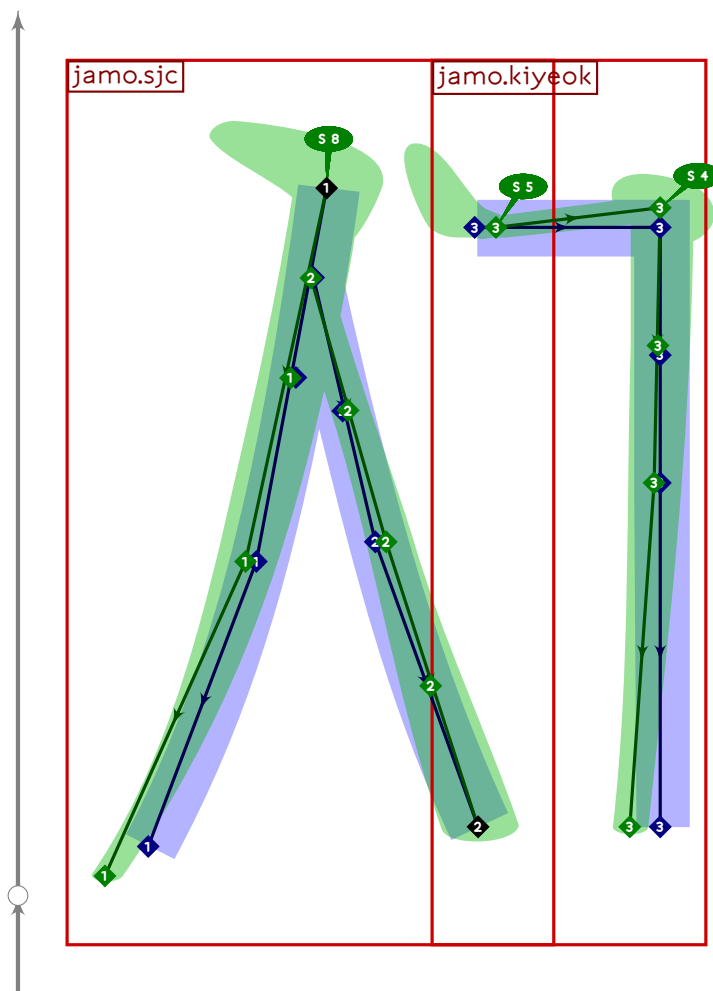
```

323 % hangul lead kapyeounssangpieup
324 begintsuglyph("uni112C.lj4";44);
325   hangul.combine.tb(108,521)(whatever,
326     hxf((150,850),(850,-50)) transformed lixf,loxf);
327   tsu_render;
328 endtsuglyph;
329

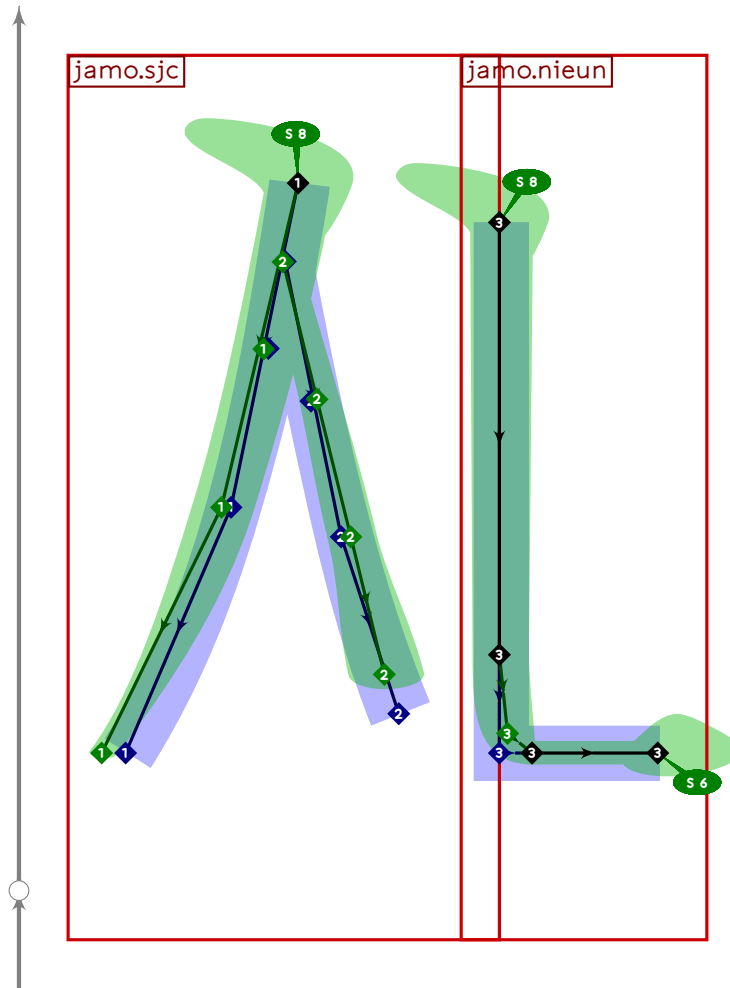
```

U+FF52D
mande.uni112D.lj4

FF5



```
330 % hangul lead sios-kiyeok
331 begint Suglyph("uni112D.lj4";45);
332   hangul.combine.lr(109,100)(whatever,lif,loxf);
333   tsu_render;
334 endtsuglyph;
335
```



FF5

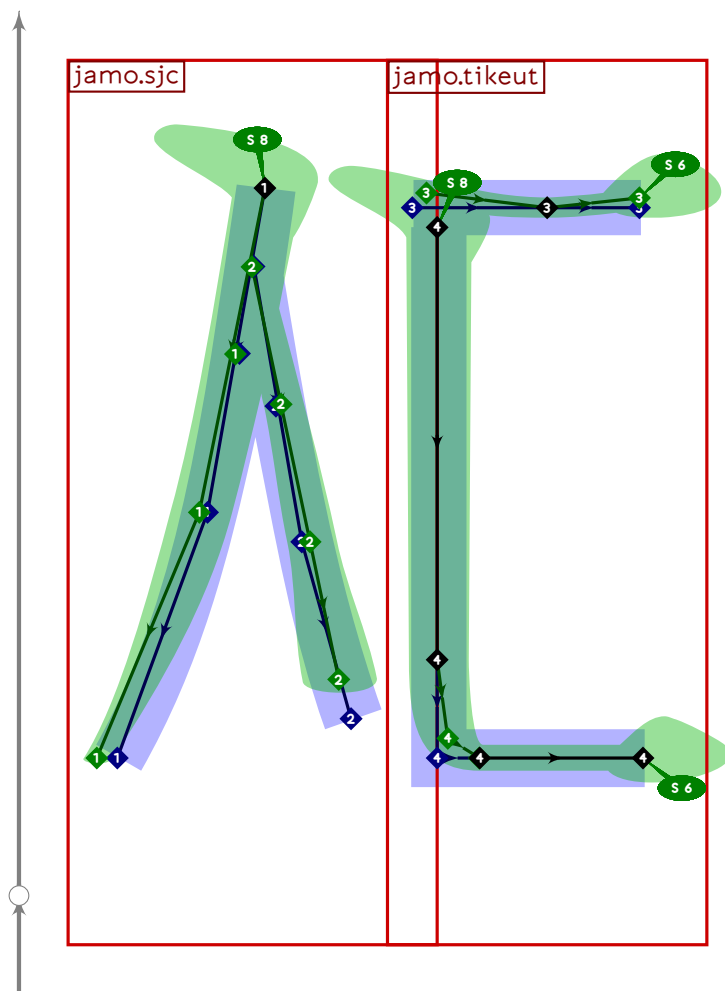
```

336 % hangul lead sios-nieun
337 begintsuglyph("uni112E.lj4";46);
338   hangul.combine.lr(209,102)(whatever,lixf,loxf);
339   tsu_render;
340 endtsuglyph;
341

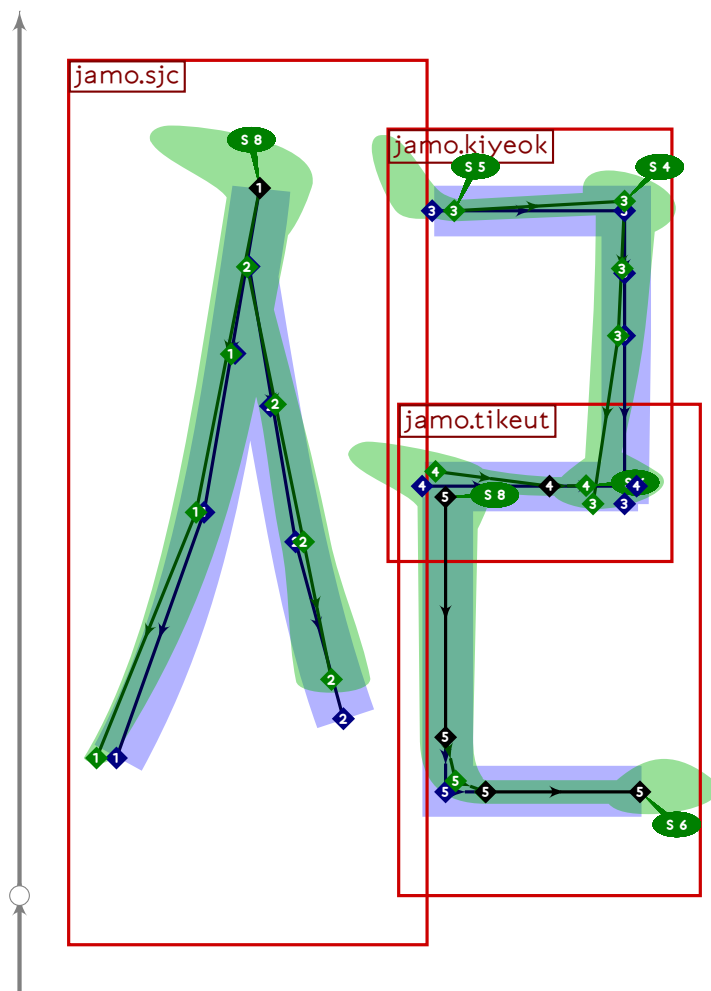
```

U+FF52F
mande.uni112F.lj4

FF5



```
342 % hangul lead sios-tikeut
343 begintsuglyph("uni112F.lj4";47);
344 hangul.combine.lr(209,103)(whatever,lixf,loxf);
345 tsu_render;
346 endtsuglyph;
347
```

FF5

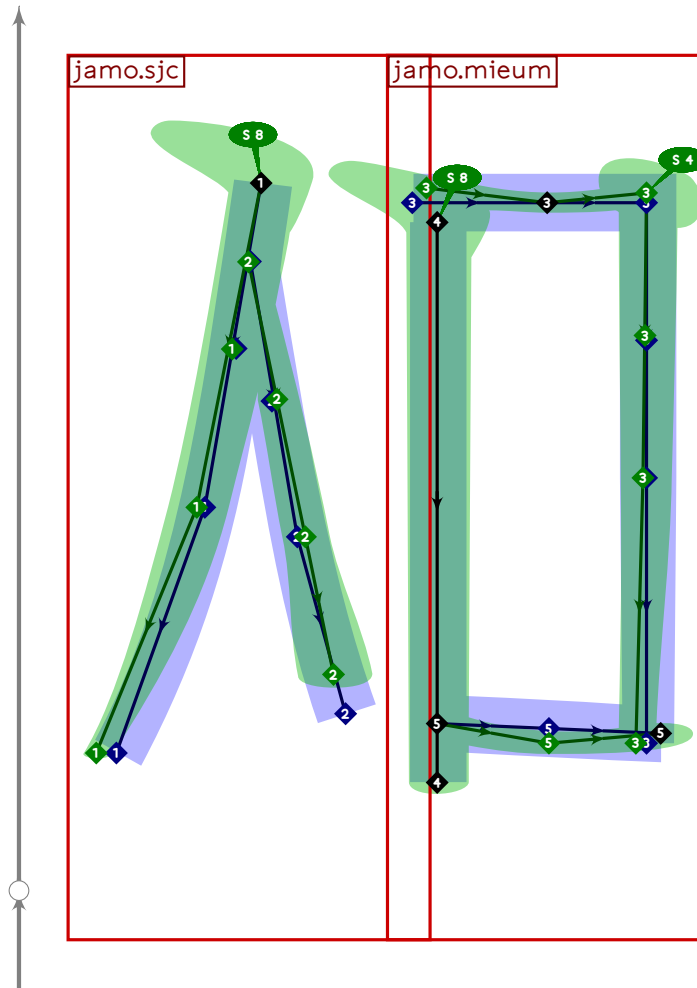
```

348 % hangul lead sios-rieul
349 begint Suglyph("uni1130.lj4";48);
350 hangul.combine.lr(209,105)(whatever,lixf,loxf);
351 tsu_render;
352 endtsuglyph;
353

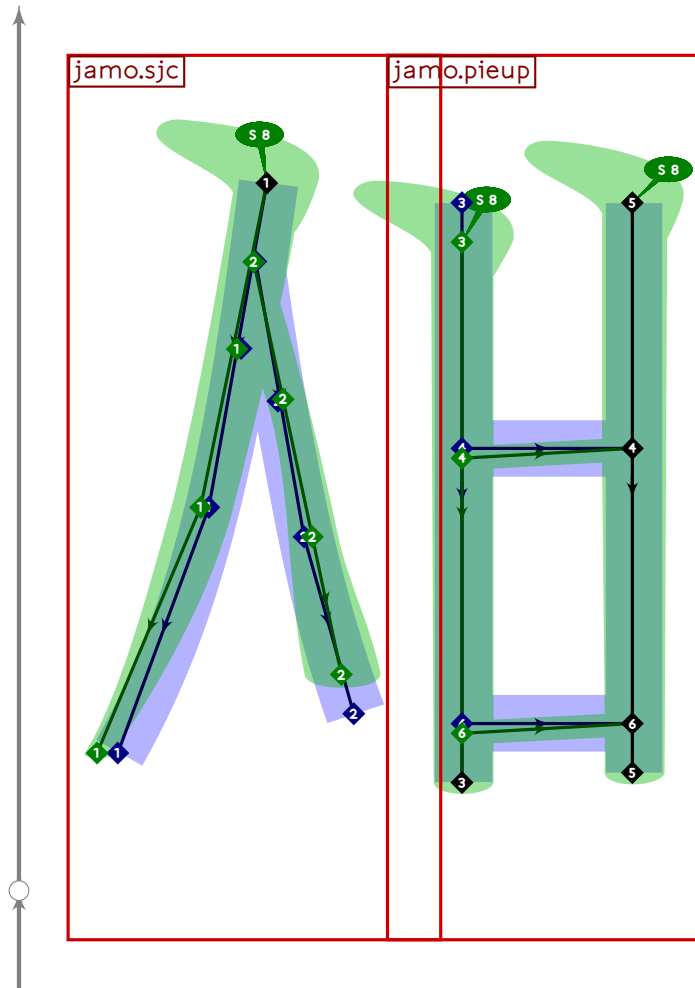
```

U+FF531
mande.uni1131.lj4

FF5



```
354 % hangul lead sios-mieum
355 begintsuglyph("uni1131.lj4";49);
356 hangul.combine.lr(209;106)(whatever,lixf,loxf);
357 tsu_render;
358 endtsuglyph;
359
```



FF5

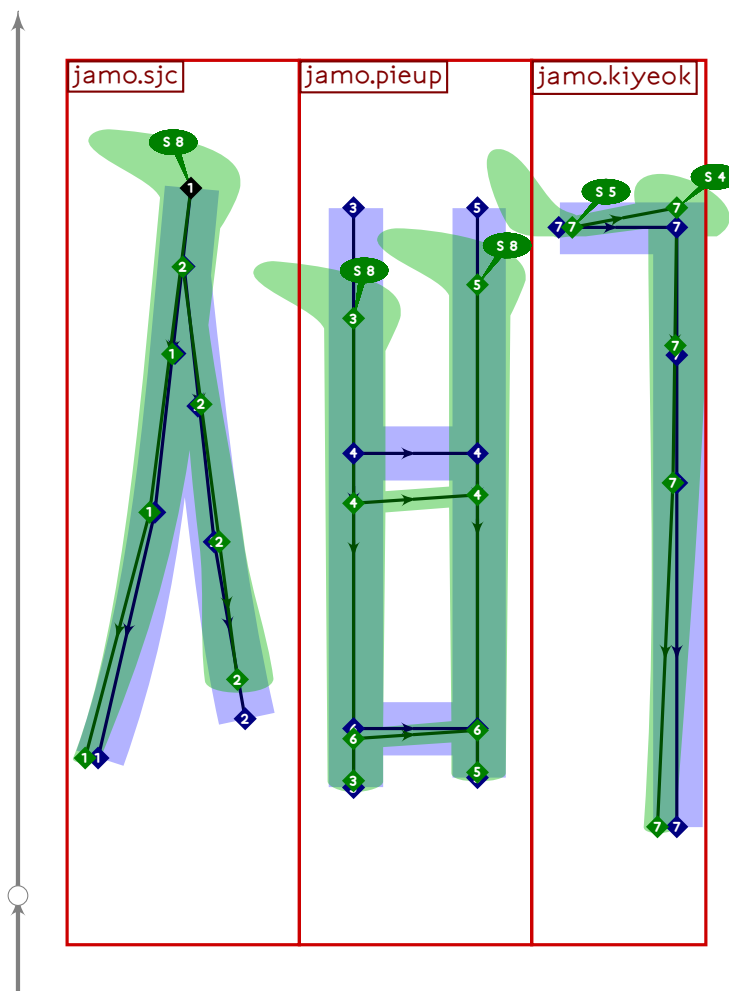
```

360 % hangul lead sios-pieup
361 begintsuglyph("uni1132.lj4";50);
362   hangul.combine.lr(209,107)(whatever,lixf,loxf);
363   tsu_render;
364 endsuglyph;
365

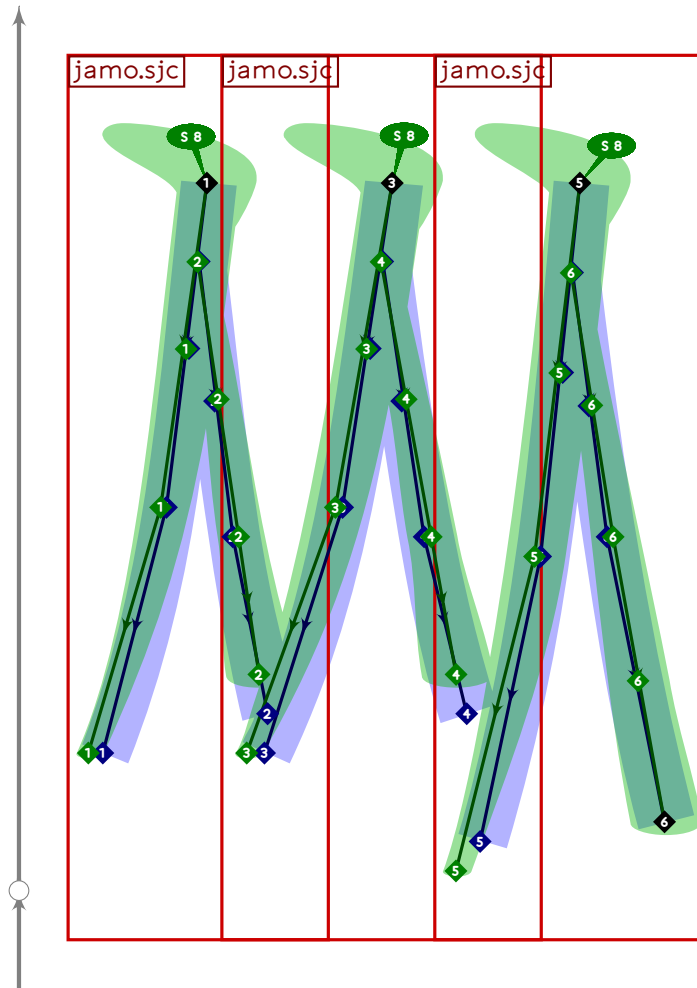
```

U+FF533
mande.uni1133.lj4

FF5



```
366 % hangul lead sios-pieup-kiyeok
367 begintsuglyph("uni1133.lj4";51);
368 hangul.combine.lcr(209,207,100)(whatever,lixf,loxf);
369 tsu_render;
370 endtsuglyph;
371
```



FF5

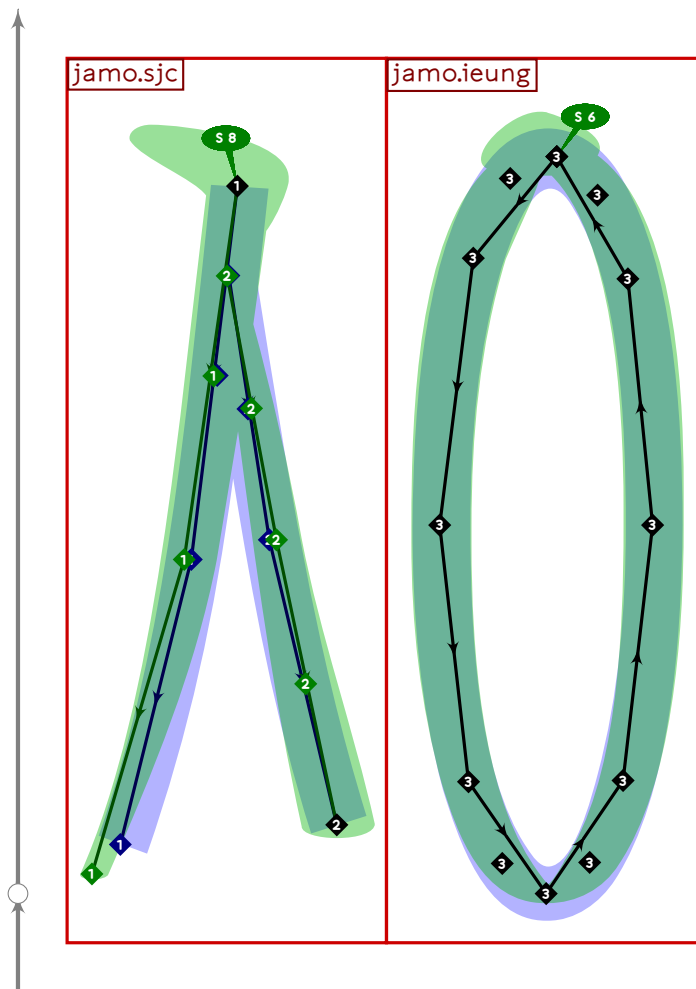
```

372 % hangul lead sios-sios-sios
373 begintsuglyph("uni1134.lj4";52);
374   hangul.combine.lcr(209,209,109)(whatever,lixf,loxf);
375   tsu_render;
376 endtsuglyph;
377

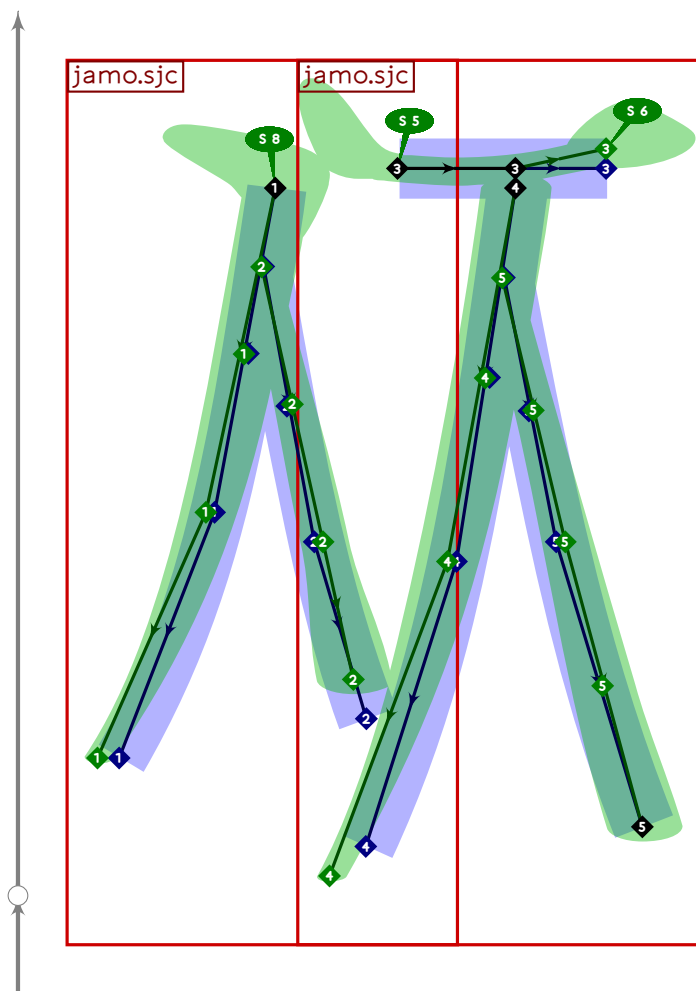
```

U+FF535
mande.uni1135.lj4

FF5



```
378 % hangul lead sios-ieung
379 beginsuglyph("uni1135.lj4";53);
380 hangul.combine.lr(109,111)(whatever,lixf,loxf);
381 tsu_render;
382 endsuglyph;
383
```



FF5

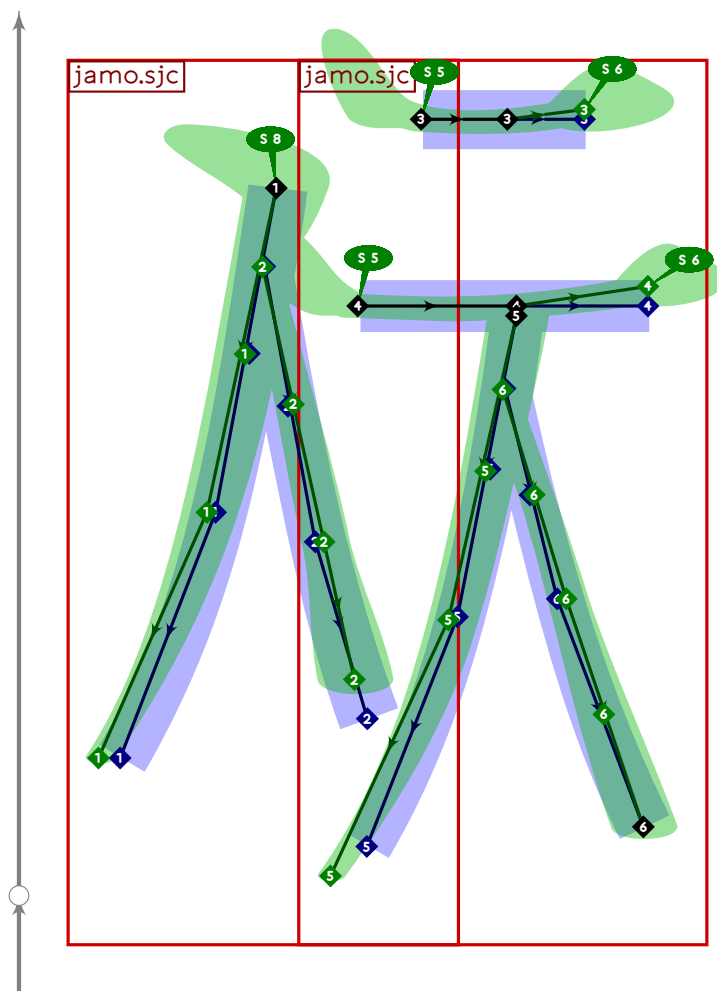
```

384 % hangul lead sios-cieuc
385 begintsuglyph("uni1136.lj4";54);
386 hangul.combine.lr(209,112)(whatever,lixf,loxf);
387 tsu_render;
388 endtsuglyph;
389

```

U+FF537
mande.uni1137.lj4

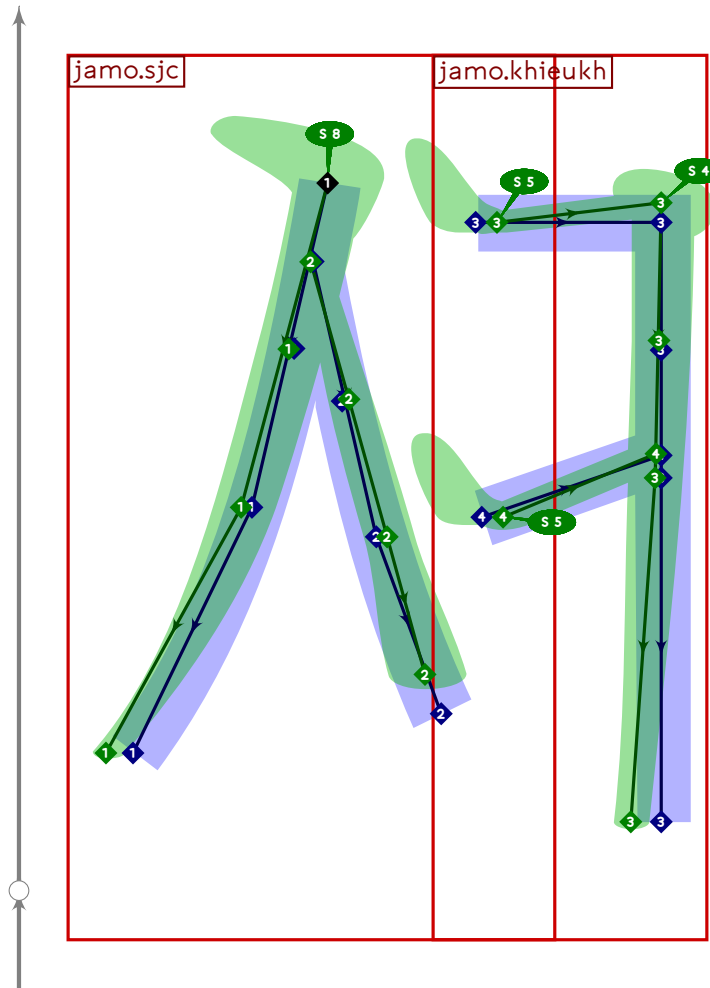
FF5



```

390 % hangul lead sios-chieuch
391 begintsuglyph("uni1137.lj4";55);
392   hangul.combine.lr(209,114)(whatever,lixf,loxf);
393   tsu_render;
394 endtsuglyph;
395

```

FF5

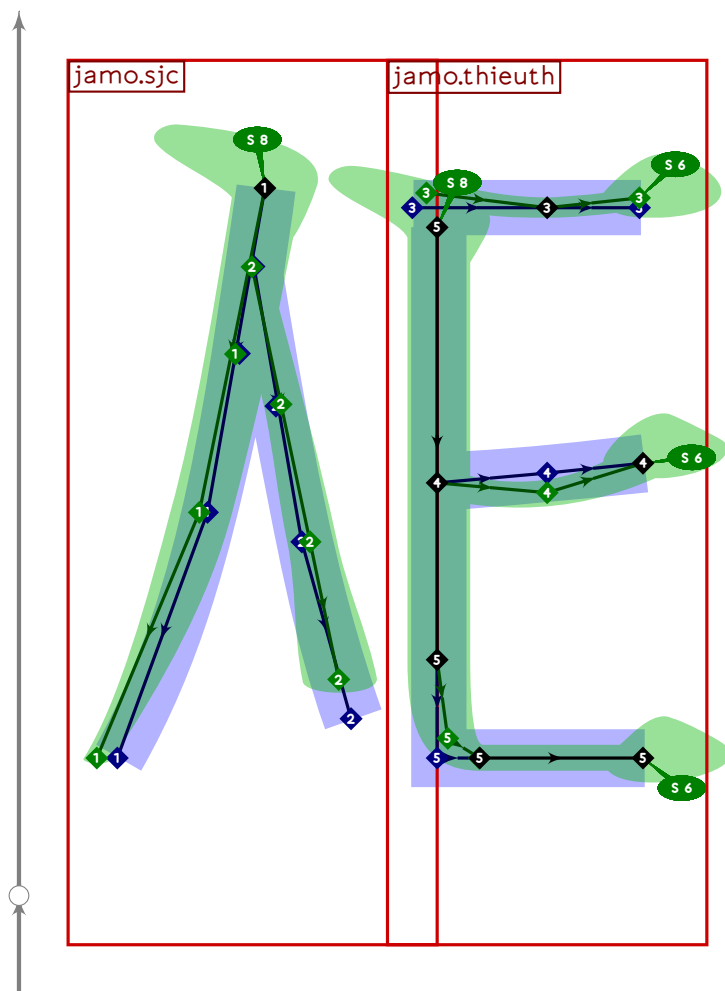
```

396 % hangul lead sios-khieukh
397 begintsuglyph("uni1138.lj4";56);
398   hangul.combine.lr(209,115)(whatever,lixf,loxf);
399   tsu_render;
400 endsuglyph;
401

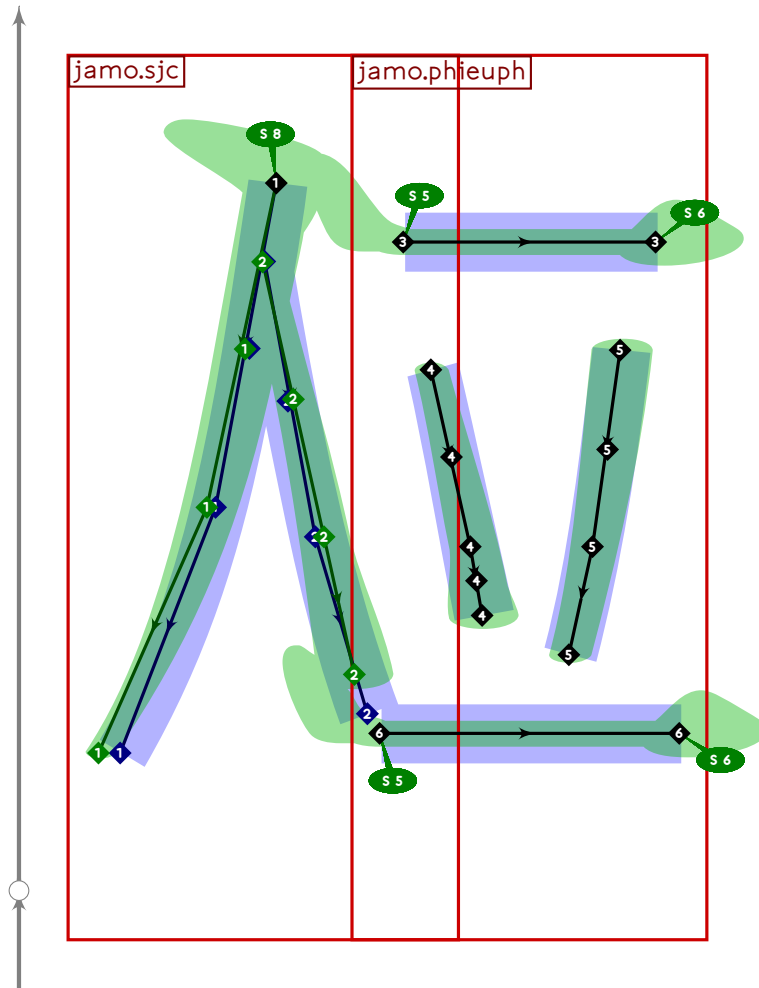
```

U+FF539
mande.uni1139.lj4

FF5



```
402 % hangul lead sios-thieuth
403 begintsuglyph("uni1139.lj4";57);
404 hangul.combine.lr(209,116)(whatever,lixf,loxf);
405 tsu_render;
406 endtsuglyph;
407
```



FF5

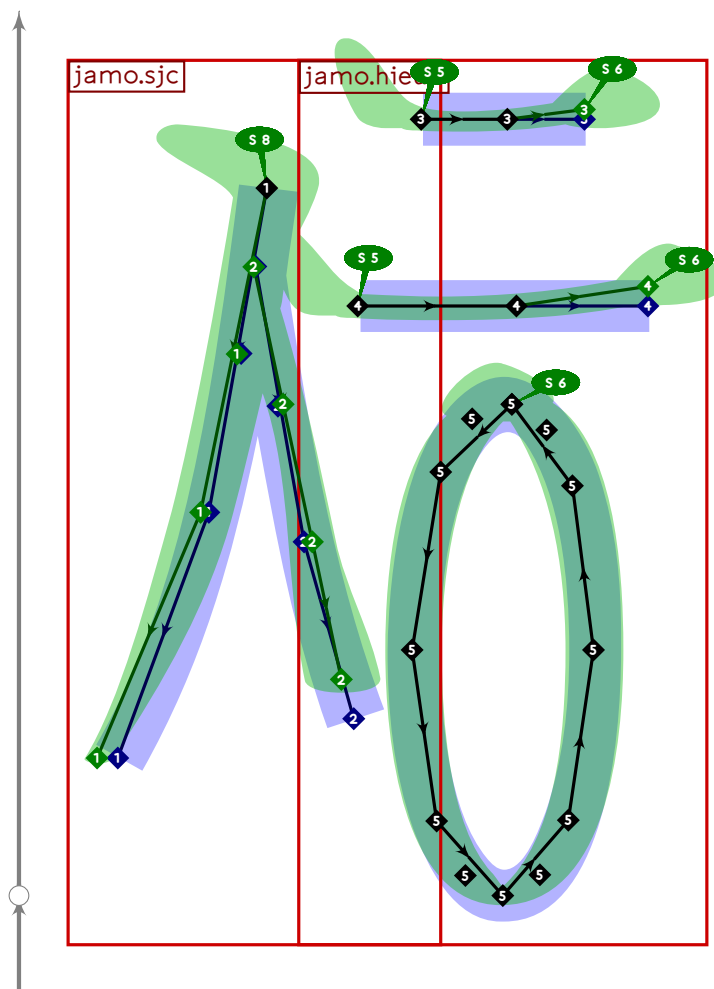
```

408 % hangul lead sios-phieuph
409 begintsuglyph("uni113A.lj4";58);
410 hangul.combine.lr(209,117)(whatever,lixf,loxf);
411 tsu_render;
412 endtsuglyph;
413

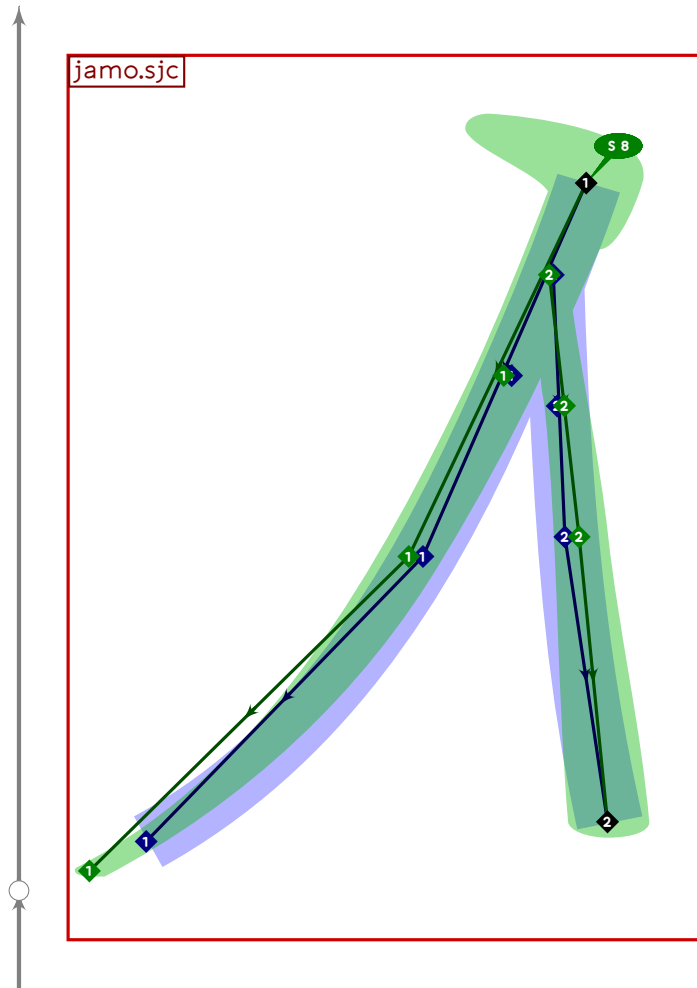
```

U+FF53B
mande.uni113B.lj4

FF5



```
414 % hangul lead sios-hieuh
415 begintsuglyph("uni113B.lj4";59);
416 hangul.combine.lr(209,118)(whatever,lixf,loxf);
417 tsu_render;
418 endtsuglyph;
419
```



FF5

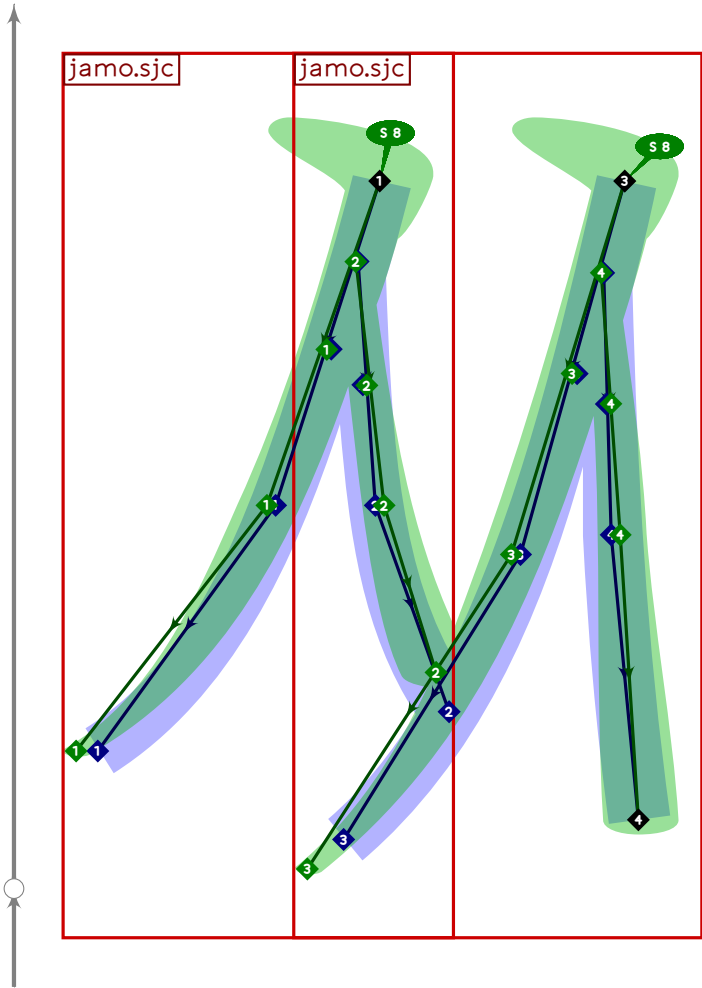
```

420 % hangul lead chitueumsios
421 begint Suglyph("uni113C.lj4",60);
422   hangul.jamo.sjc(0,1,false)(whatever,lixf,loxf);
423   tsu_render;
424 endtsuglyph;
425

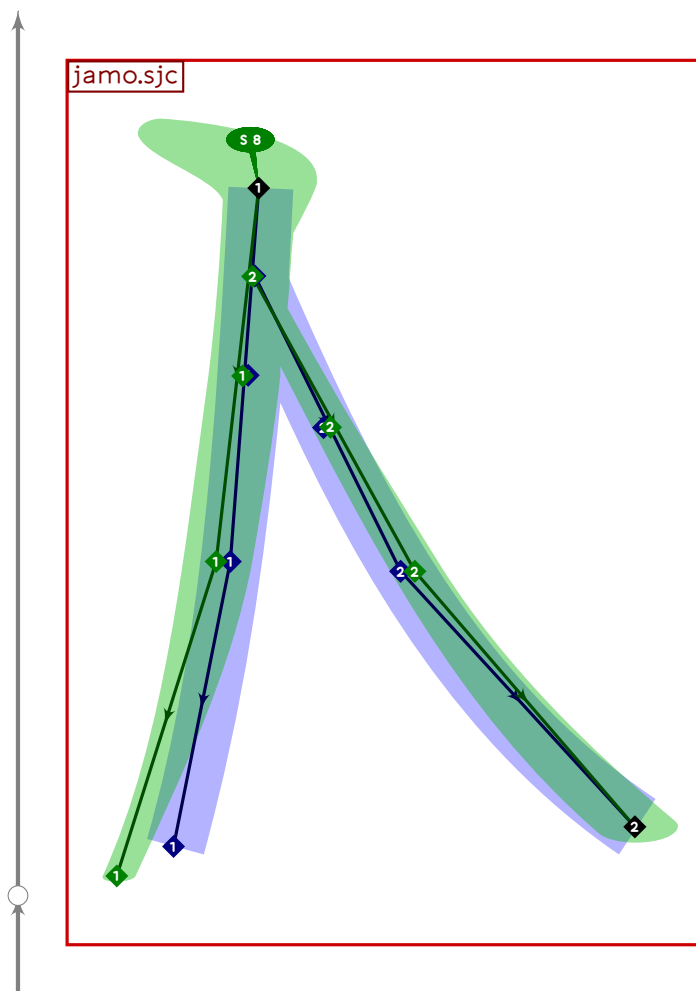
```

U+FF53D
mande.uni113D.lj4

FF5



```
426 % hangul lead chitueumssangsios
427 begintsuglyph("uni113D.lj4",61);
428   hangul.combine.lr(223,222)(whatever,lixf,loxf);
429   tsu_render;
430 endtsuglyph;
431
```



FF5

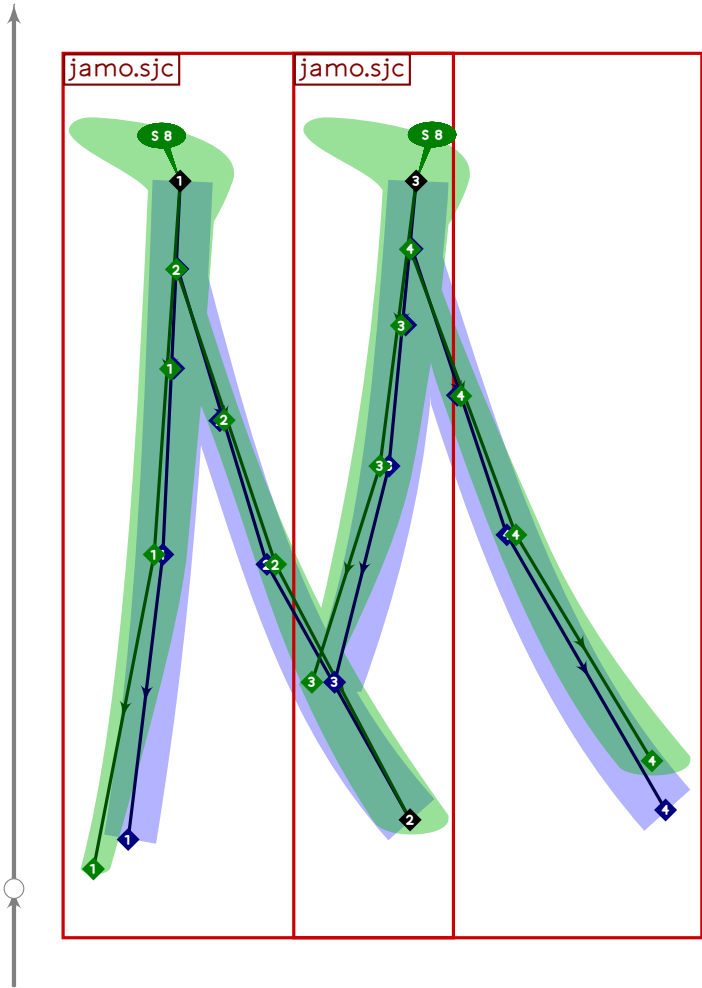
```

432 % hangul lead ceongchieumsios
433 begintsuglyph("uni113E.lj4",62);
434 hangul.jamo.sjc(0,-1,false)(whatever,lixf,loxf);
435 tsu_render;
436 endtsuglyph;
437

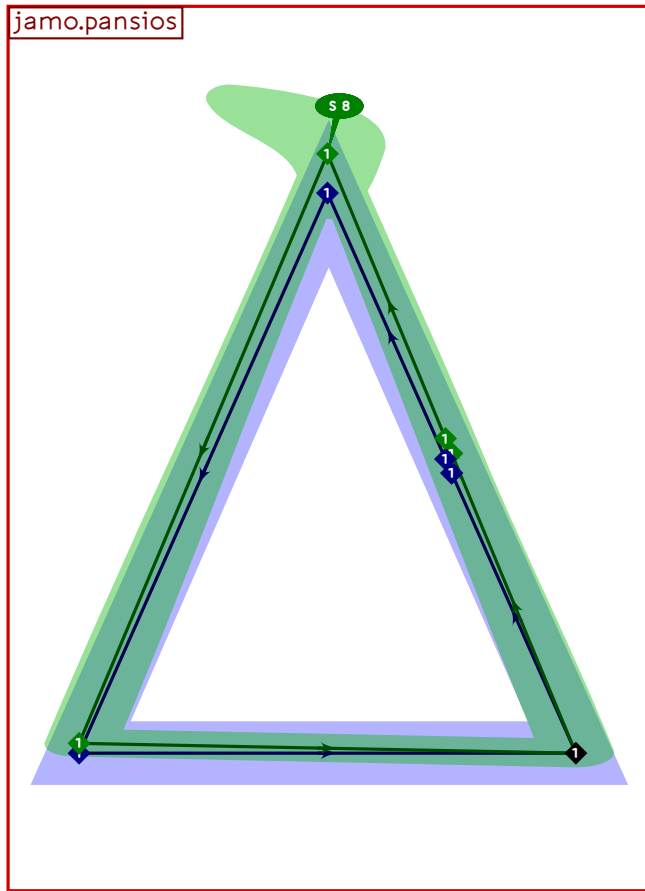
```

U+FF53F
mande.uni113Flj4

FF5



```
438 % hangul lead ceongchieumssangsios
439 begintsuglyph("uni113Flj4";63);
440   hangul.combine.lr(224,225)(whatever,lixf,loxf);
441   tsu_render;
442 endtsuglyph;
443
```

FF5

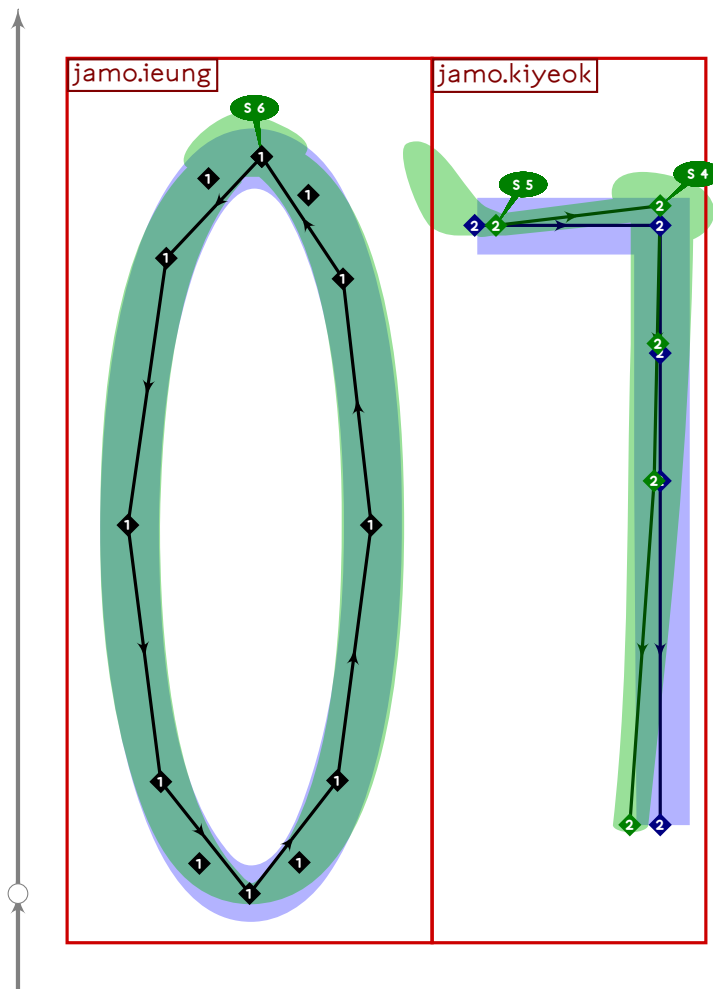
```

444 % hangul lead pansios
445 begint Suglyph("uni1140.lj4"64);
446   hangul.jamo.pansios(whatever,lixf,loxf);
447   tsu_render;
448 endtsuglyph;
449

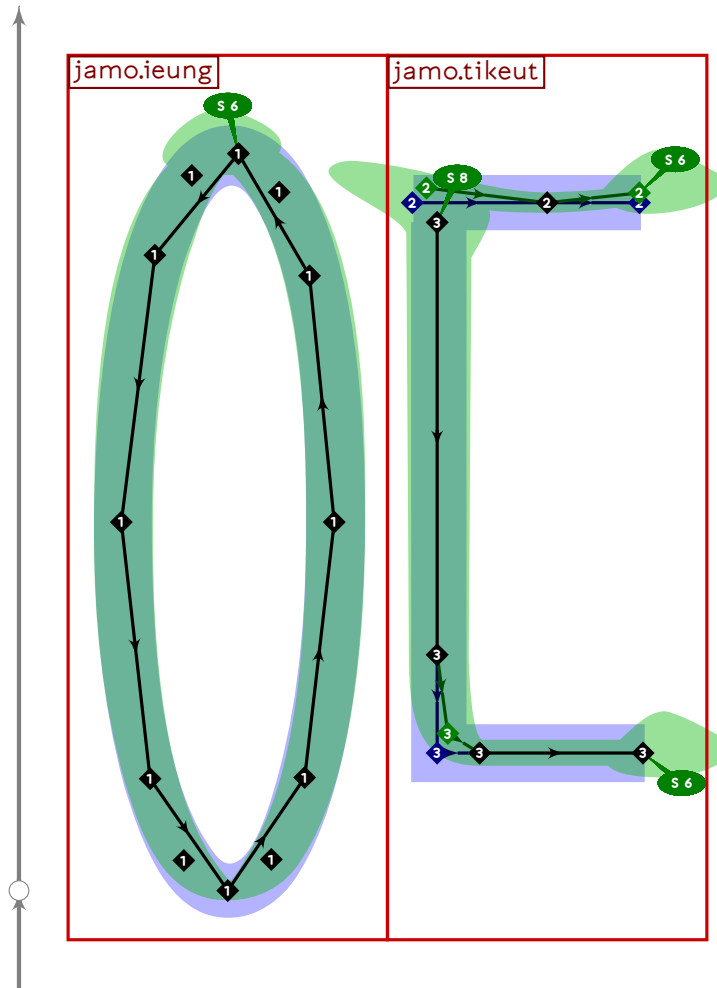
```

U+FF541
mande.uni1141.lj4

FF5



```
450 % hangul lead ieung-kiyeok
451 begintsuglyph("uni1141.lj4",65);
452   hangul.combine.lr(111,100)(whatever,lixf,loxf);
453   tsu_render;
454 endtsuglyph;
455
```



FF5

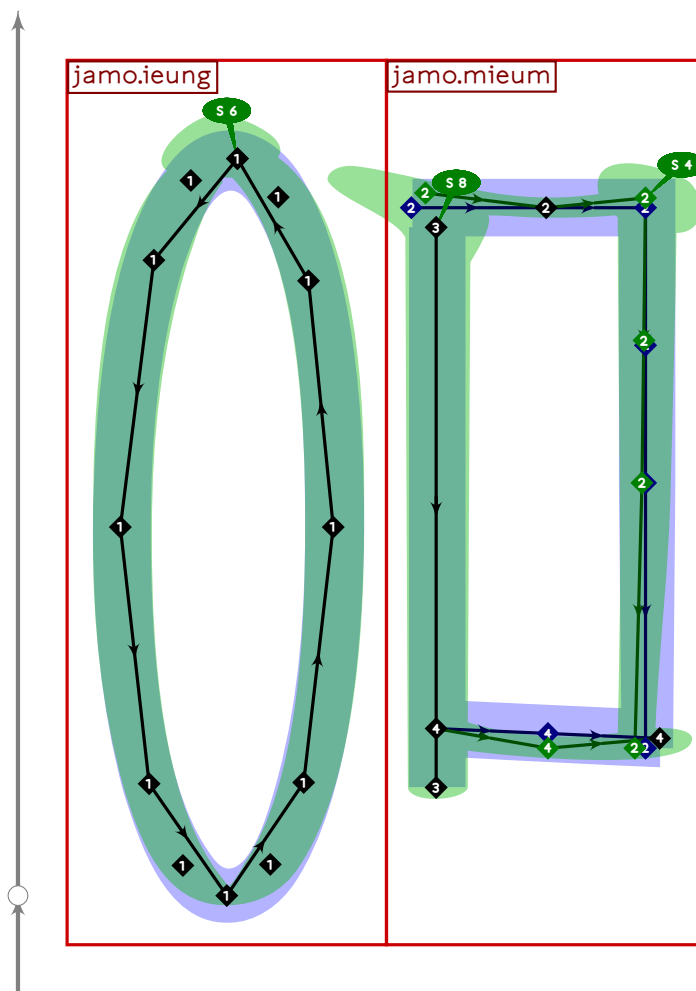
```

456 % hangul lead ieung-tikeut
457 begintsuglyph("uni1142.lj4";66);
458 hangul.combine.lr(111,103)(whatever,lixf,loxf);
459 tsu_render;
460 endsuglyph;
461

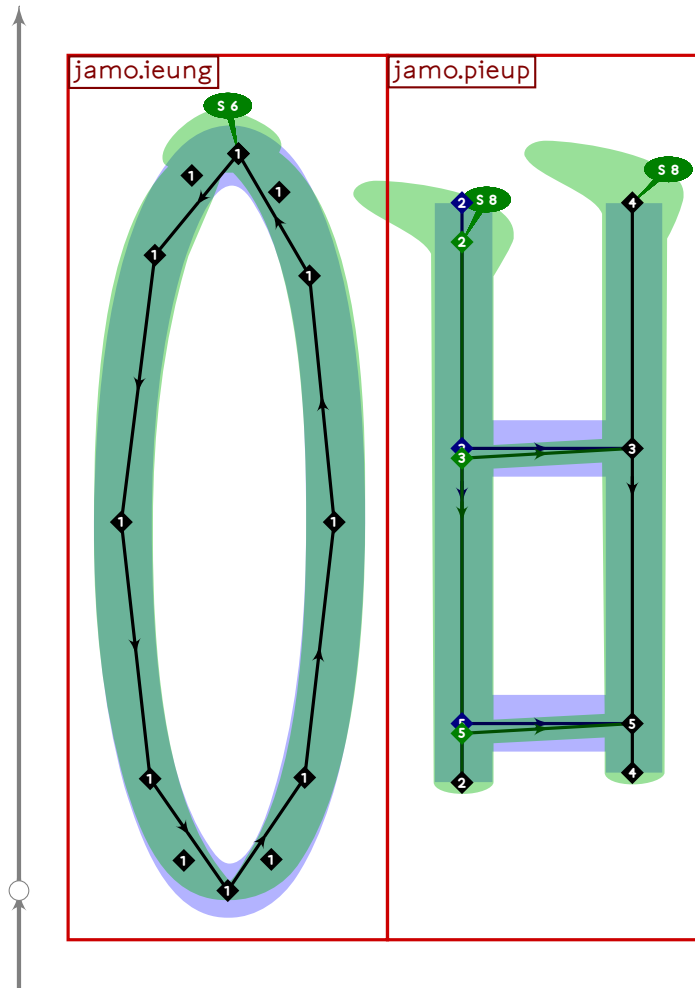
```

U+FF543
mande.uni1143.lj4

FF5



```
462 % hangul lead ieung-mieum
463 beginsuglyph("uni1143.lj4";67);
464   hangul.combine.lr(111,106)(whatever,lixf,loxf);
465   tsu_render;
466 endsuglyph;
467
```



FF5

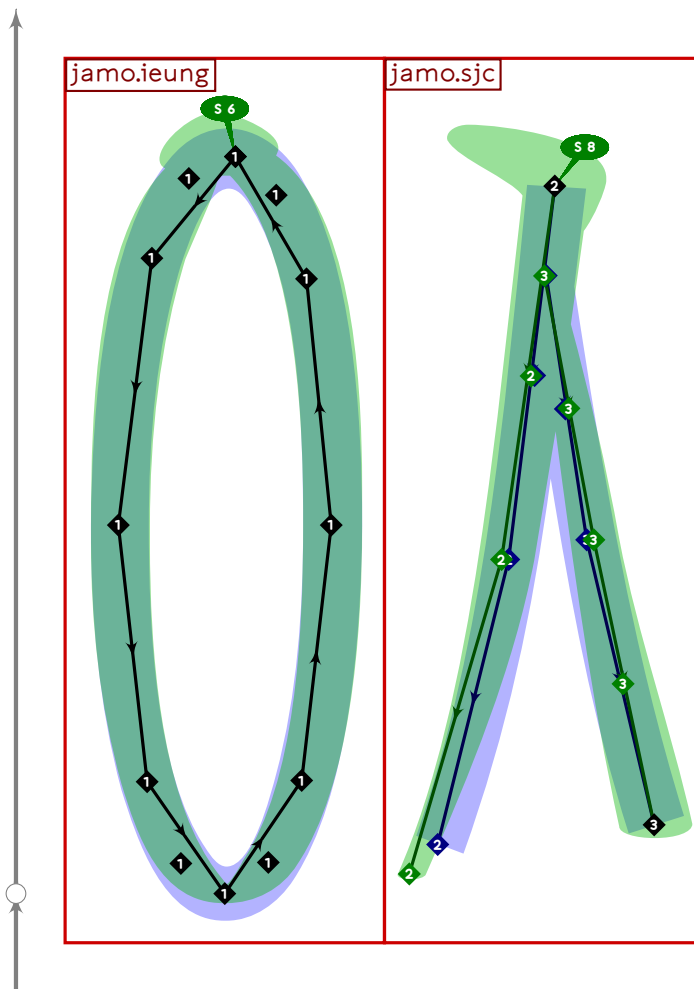
```

468 % hangul lead ieung-pieup
469 begintsuglyph("uni1144.lj4";68);
470 hangul.combine.lr(111,107)(whatever,lixf,loxf);
471 tsu_render;
472 endsuglyph;
473

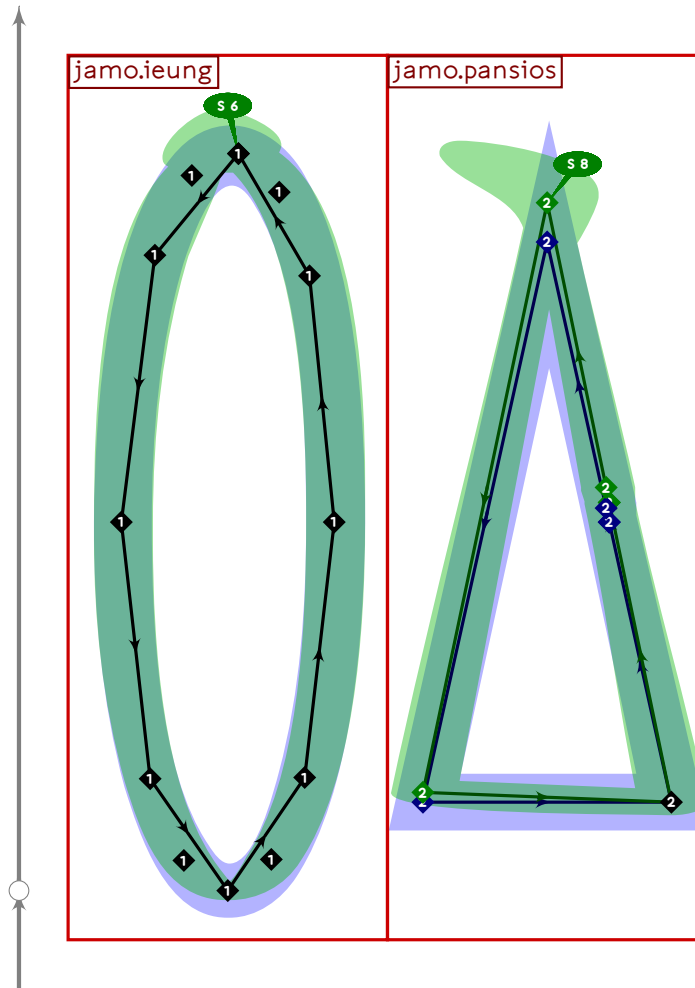
```

U+FF545
mande.uni1145.lj4

FF5



```
474 % hangul lead ieung-sios
475 begintsuglyph("uni1145.lj4";69);
476 hangul.combine.lr(111,109)(whatever,lixf,loxf);
477 tsu_render;
478 endtsuglyph;
479
```



FF5

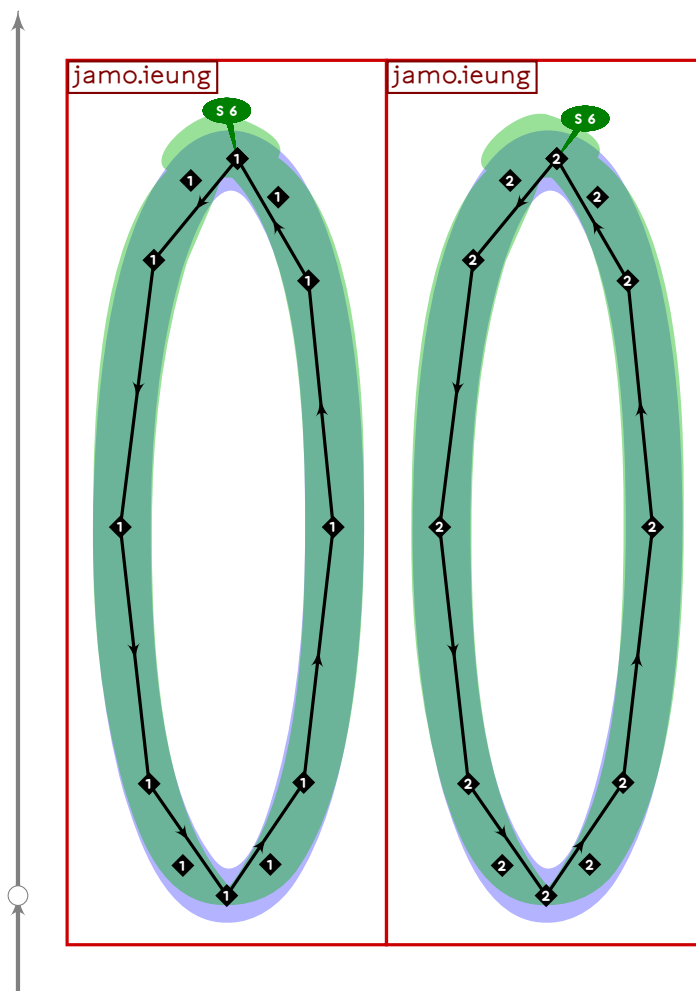
```

480 % hangul lead ieung-pansios
481 begint Suglyph("uni1146.lj4";70);
482   hangul.combine.lr(111,219)(whatever,lixf,loxf);
483   tsu_render;
484 endtsuglyph;
485

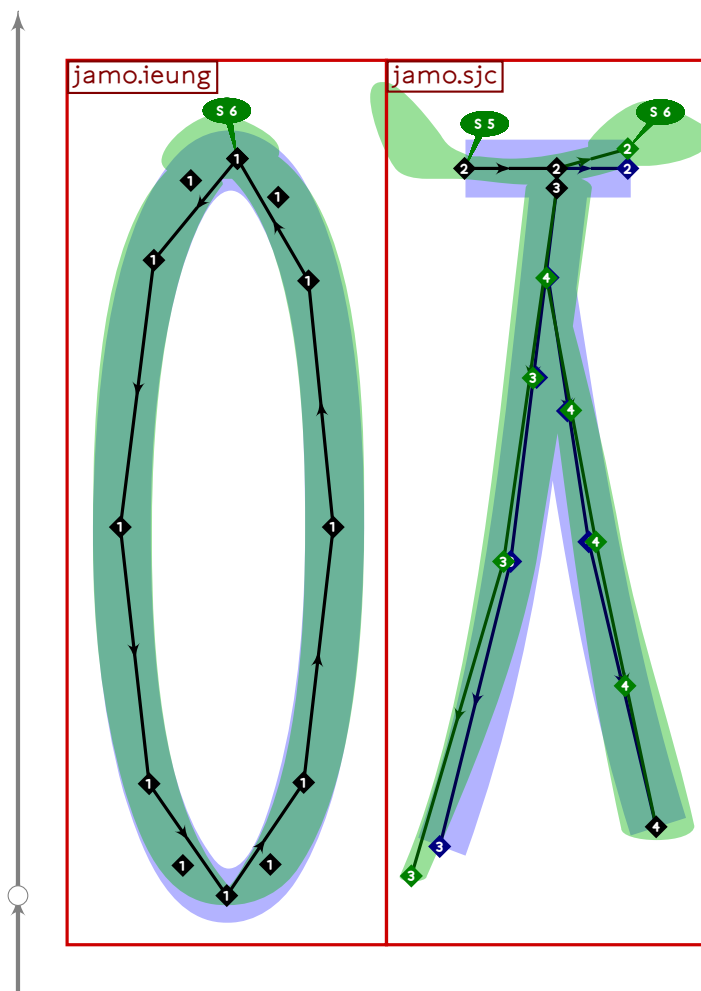
```

U+FF547
mande.uni1147.lj4

FF5



```
486 % hangul lead ssangieung
487 begintsuglyph("uni1147.lj4";71);
488   hangul.combine.lr(111,111)(whatever,lixf,loxf);
489   tsu_render;
490 endtsuglyph;
491
```

FF5

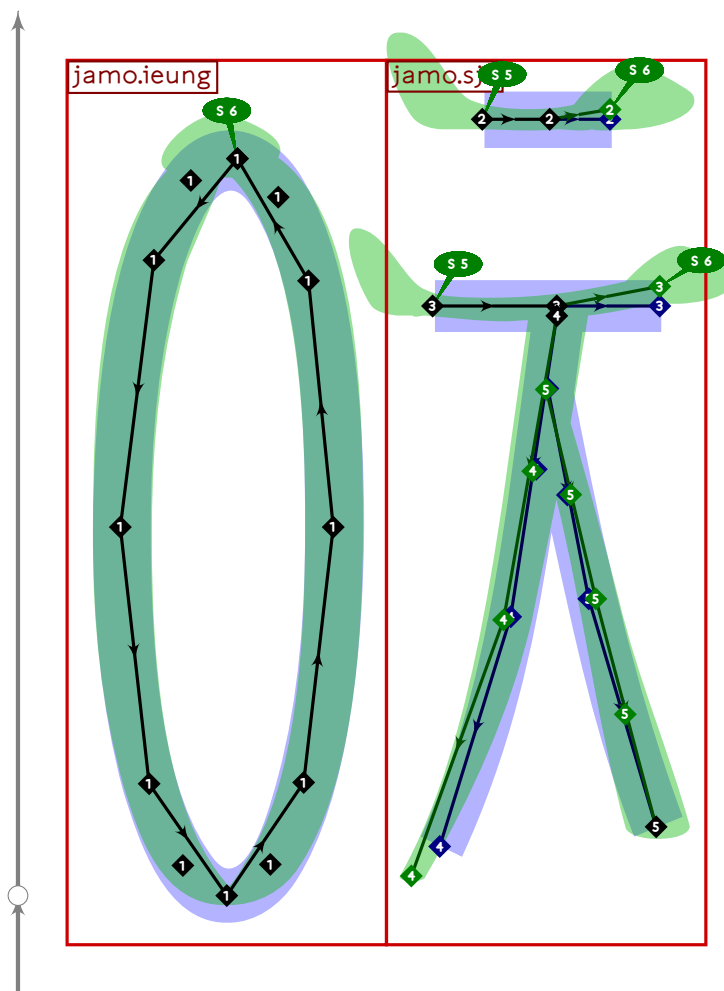
```

492 % hangul lead ieung-cieuc
493 begintsuglyph("uni1148.lj4";72);
494 hangul.combine.lr(111,112)(whatever,lixf,loxf);
495 tsu_render;
496 endsuglyph;
497

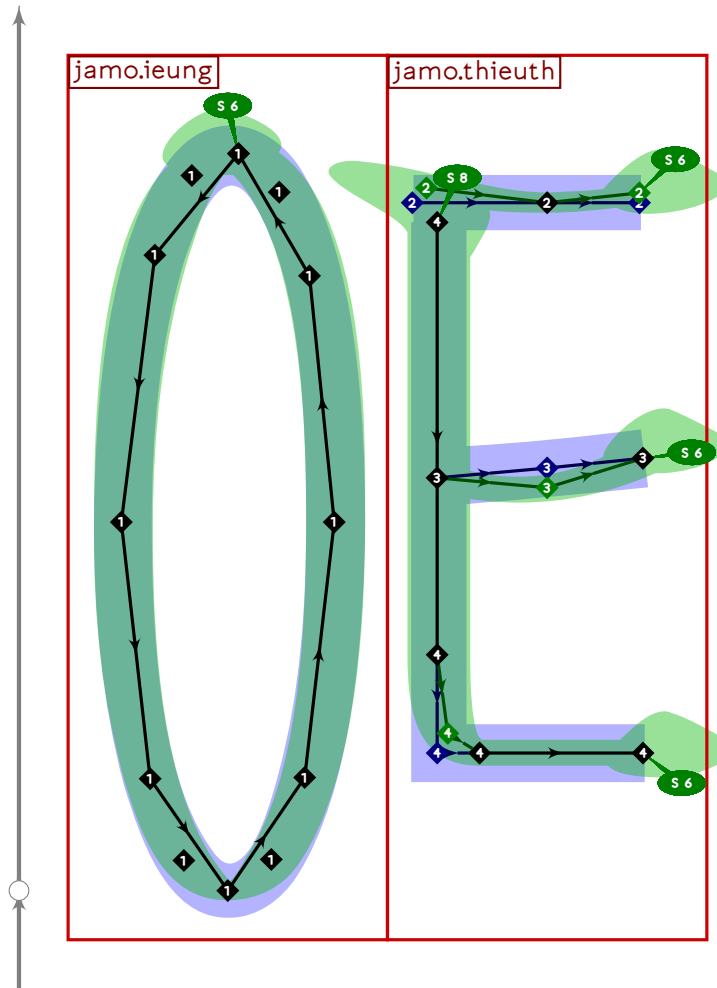
```

U+FF549
mande.uni1149.lj4

FF5



```
498 % hangul lead ieung-chieuch
499 begintsuglyph("uni1149.lj4",73);
500 hangul.combine.lr(111,114)(whatever,lixf,loxf);
501 tsu_render;
502 endtsuglyph;
503
```



FF5

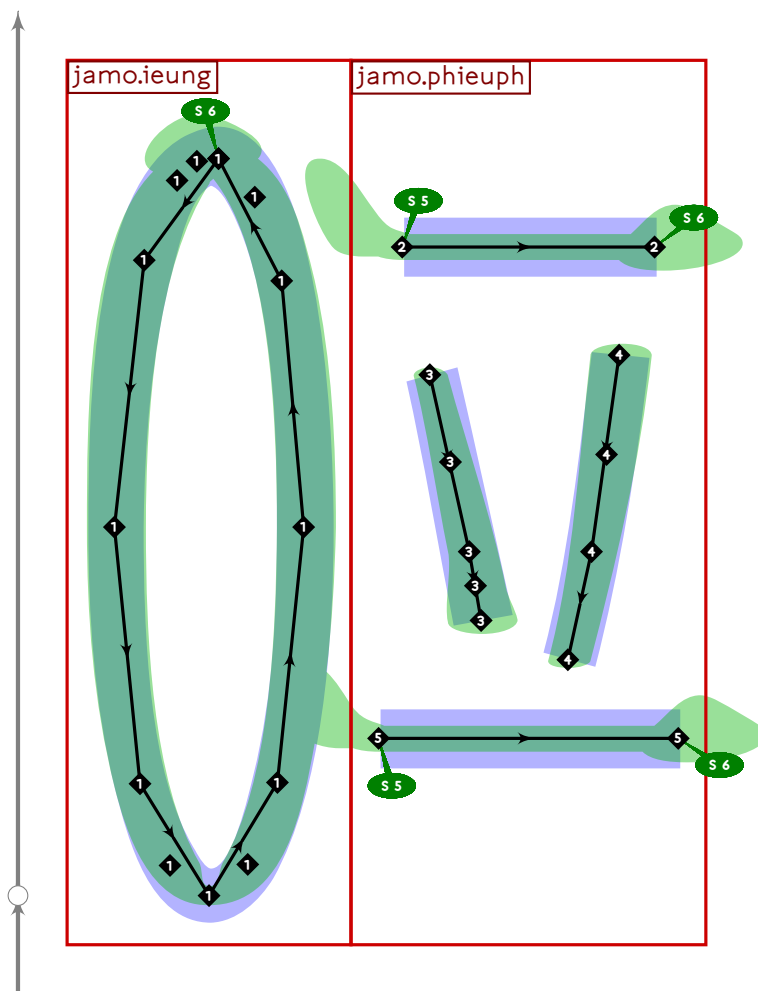
```

504 % hangul lead ieung-theiuth
505 beginsuglyph("uni114A.lj4";74);
506   hangul.combine.lr(111,116)(whatever,lixf,loxf);
507   tsu_render;
508 endsuglyph;
509

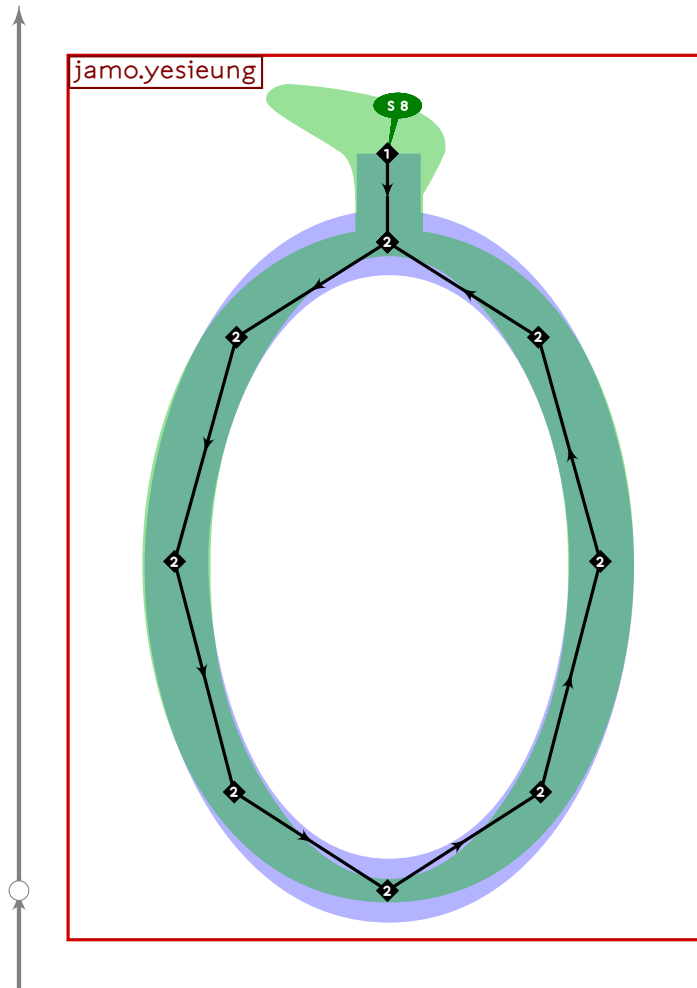
```

U+FF54B
mande.uni114B.lj4

FF5



```
510 % hangul lead ieung-phieuph
511 beginsuglyph("uni114B.lj4";75);
512 hangul.combine.lr(111,117)(whatever,lxf,lxf);
513 tsu_render;
514 endsuglyph;
515
```

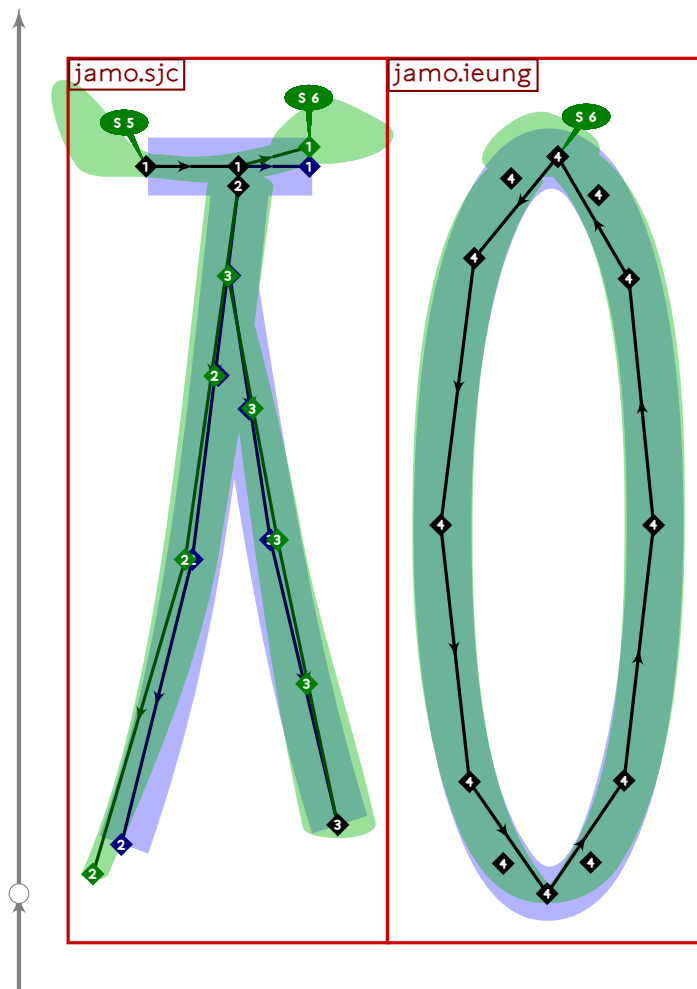


FF5

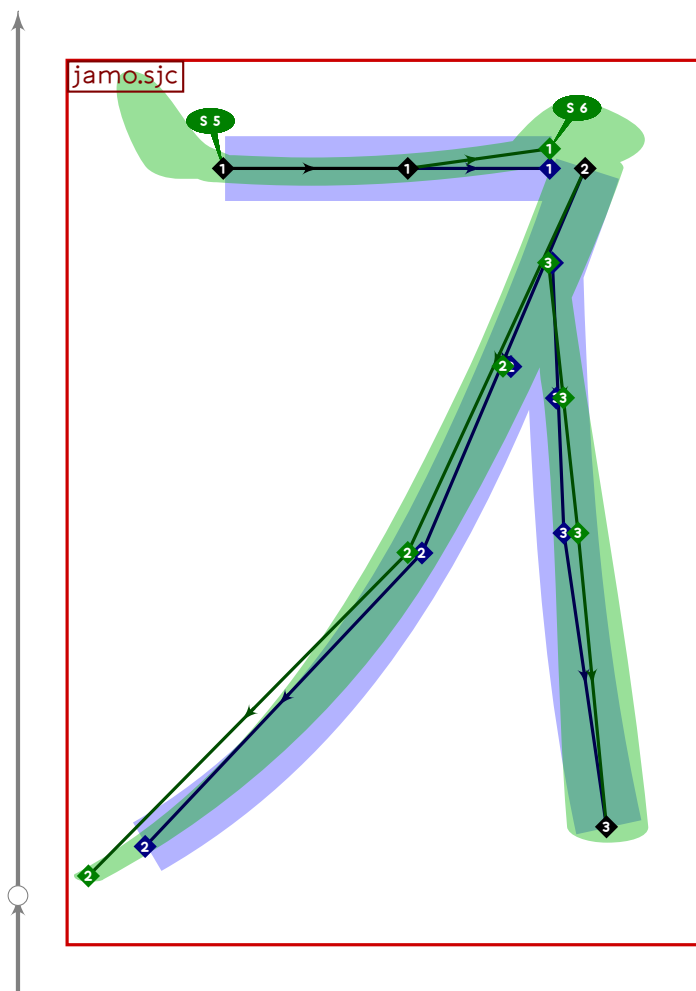
```
516 % hangul lead yesieung
517 beginsuglyph("uni114C.lj4";76);
518   hangul.jamo.yesieung(whatever,lixf,loxf);
519   tsu_render;
520 endsuglyph;
521
```

U+FF54D
mande.uni114D.lj4

FF5



```
522 % hangul lead cieuc-ieung
523 beginsuglyph("uni114D.lj4";77);
524   hangul.combine.lr(112,111)(whatever,lixf,loxf);
525   tsu_render;
526 endsuglyph;
527
```



FF5

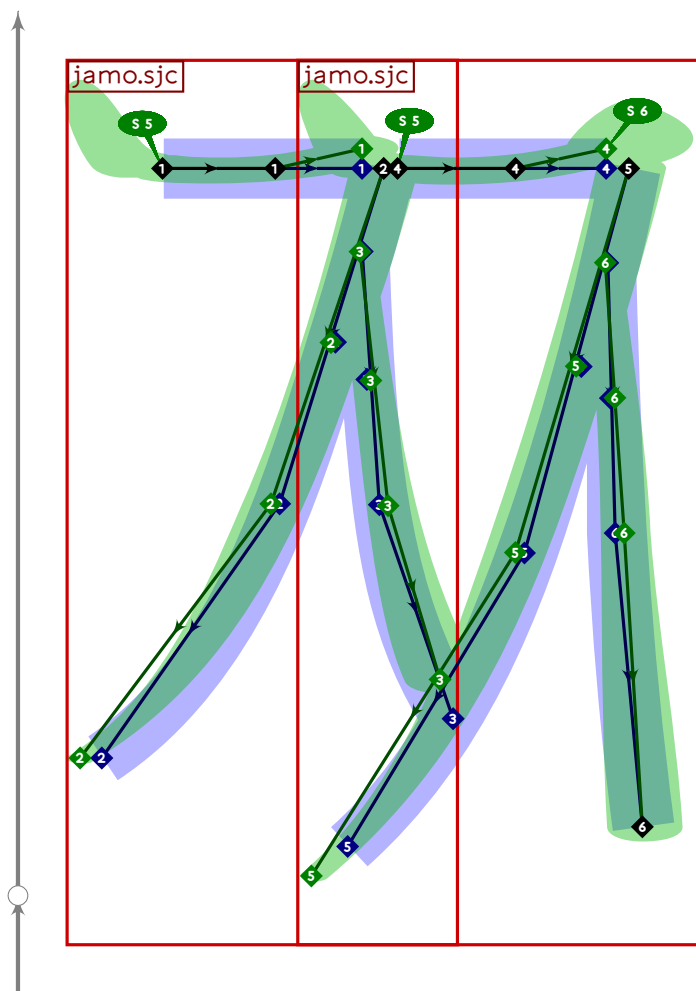
```

528 % hangul lead chitueumcieuc
529 begintsuglyph("uni114E.lj4";78);
530 hangul.jamo.sjc(1,1,false)(whatever,lixf,loxf);
531 tsu_render;
532 endtsuglyph;
533

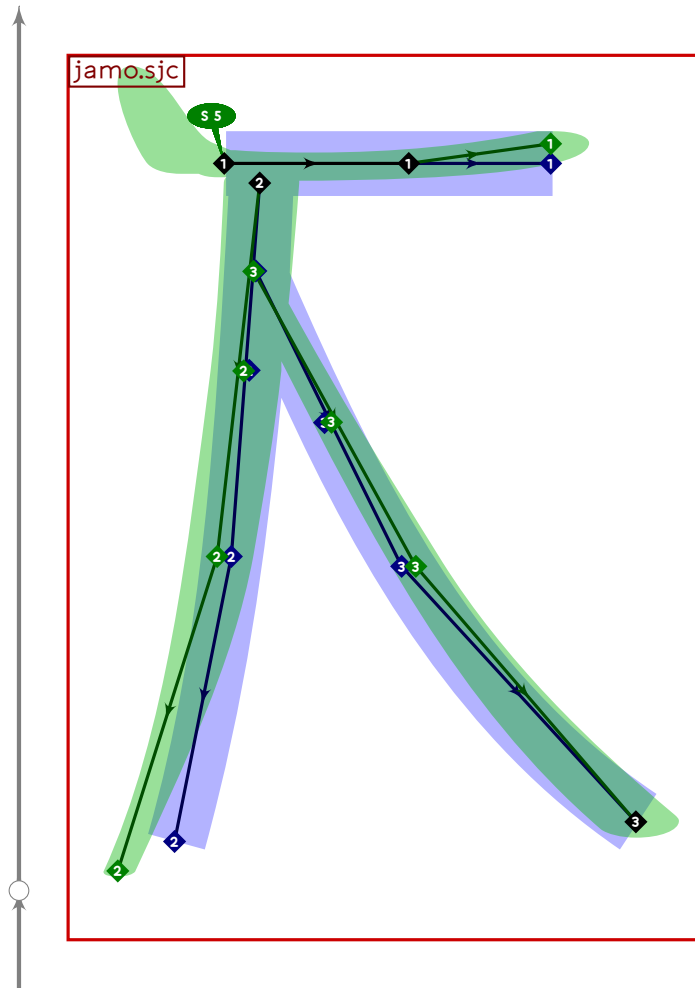
```

U+FF54F
mande.uni114F.lj4

FF5



```
534 % hangul lead chitueumssangcieuc
535 begintsuglyph("uni114F.lj4",79);
536 hangul.combine.lr(227,226)(whatever,lixf,loxf);
537 tsu_render;
538 endtsuglyph;
539
```

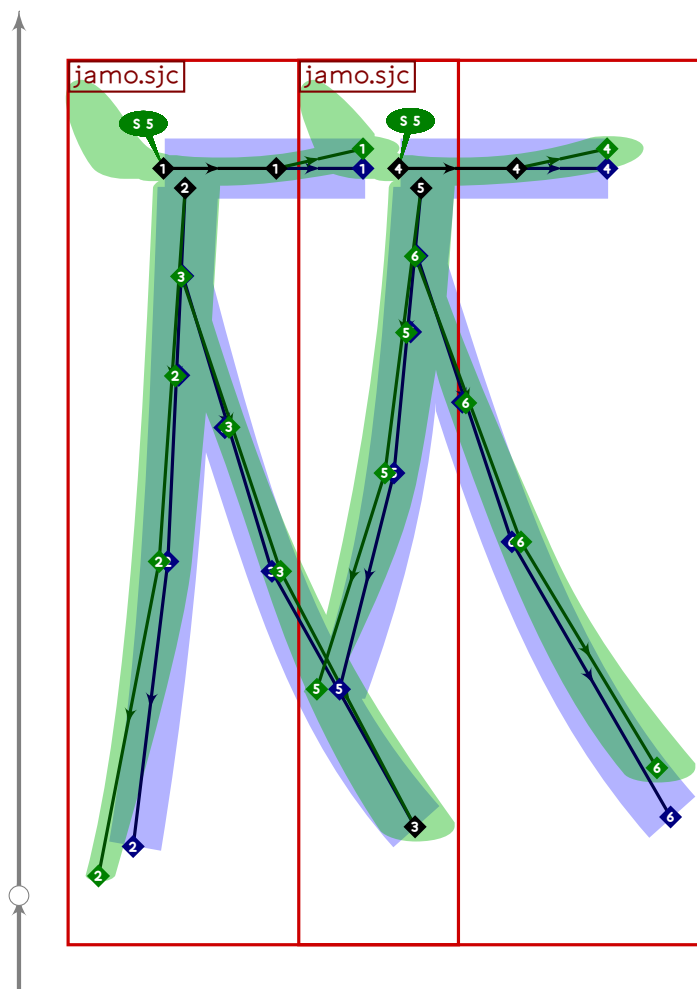



FF5

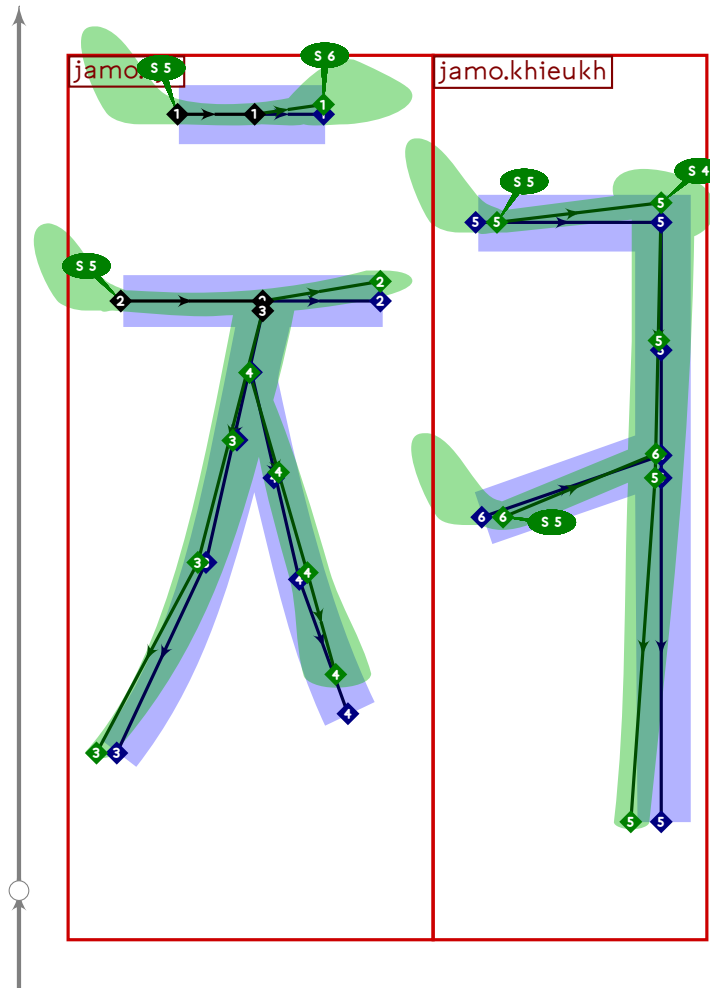
```
540 % hangul lead ceongchieumcieuc
541 begint Suglyph("uni1150.lj4";80);
542   hangul.jamo.sjc(1,-1,false)(whatever,lixf,loxf);
543   tsu_render;
544 endtsuglyph;
545
```

U+FF551
mande.uni1151.lj4

FF5



```
546 % hangul lead ceongchieumssangcieuc
547 begintsuglyph("uni1151.lj4";81);
548 hangul.combine.lr(228,229)(whatever,lixf,loxf);
549 tsu_render;
550 endtsuglyph;
551
```



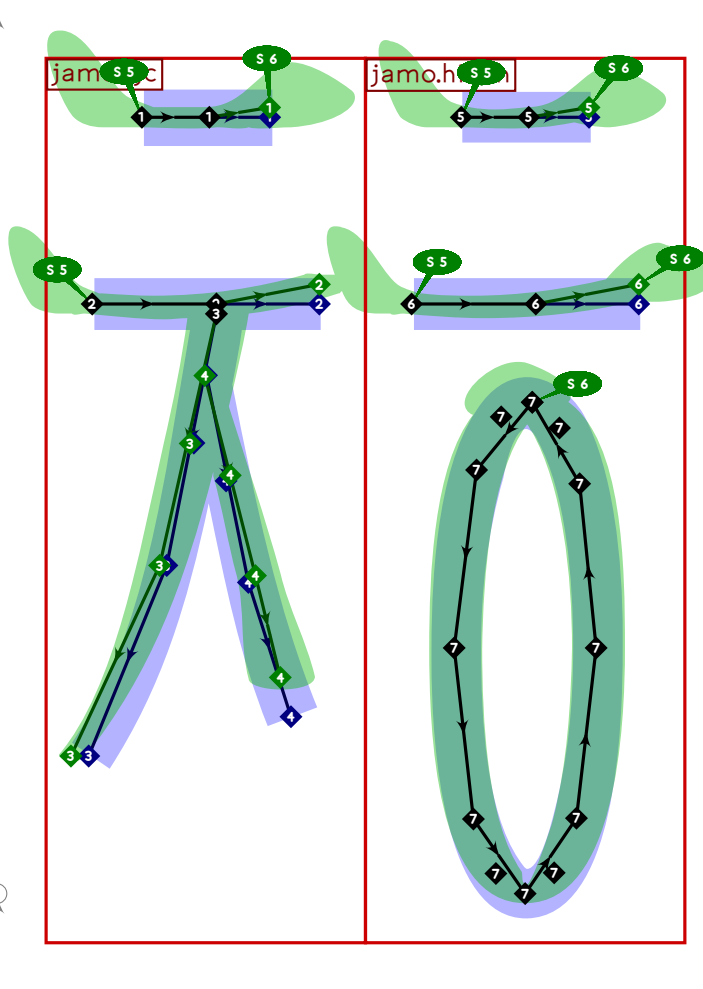
FF5

```

552 % hangul lead chieuch-khieukh
553 beginsuglyph("uni1152.lj4";82);
554 hangul.combine.lcr(214,230,115)(whatever,lixf,loxf);
555 tsu_render;
556 endsuglyph;
557

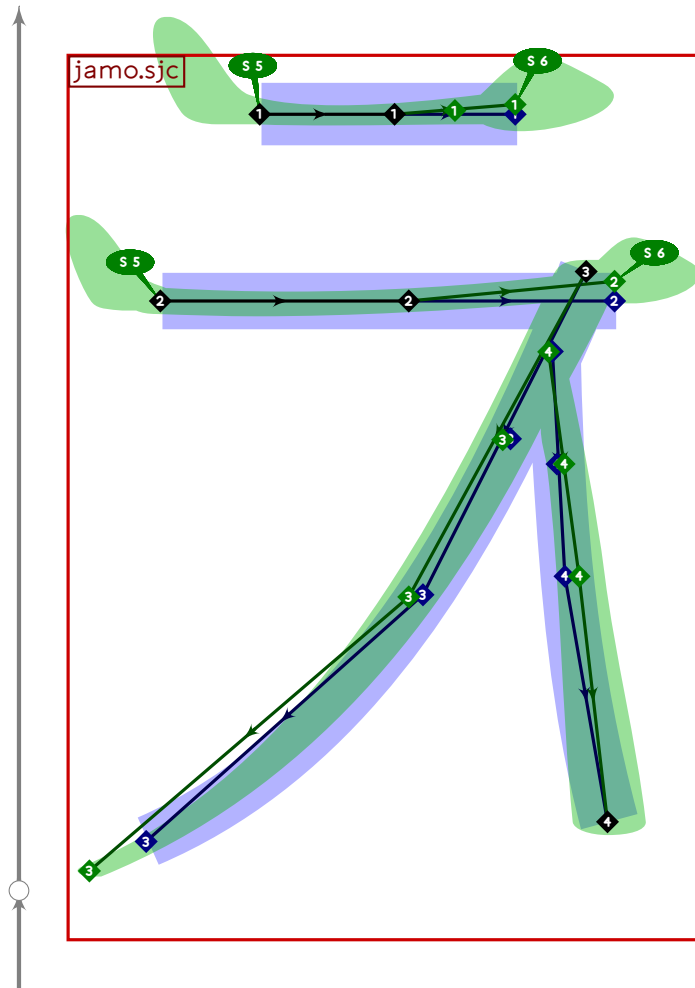
```

U+FF553
mande.uni1153.lj4



FF5

```
558 % hangul lead chieuch-hieuh
559 begintsuglyph("uni1153.lj4";83);
560 hangul.combine.lcr(214,230,118)(whatever,lixf,loxf);
561 tsu_render;
562 endtsuglyph;
563
```



FF5

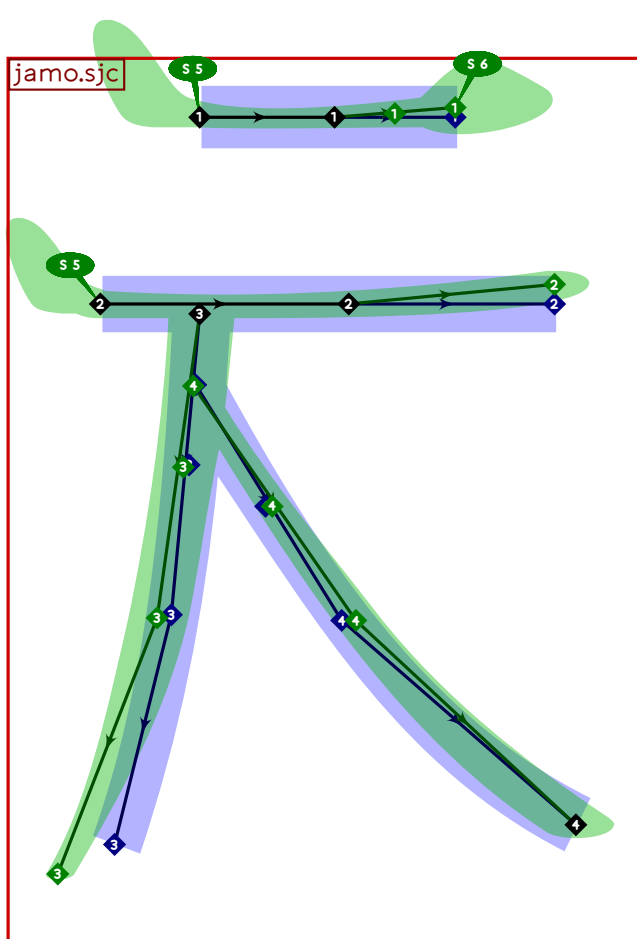
```

564 % hangul lead chitueumcieuc
565 begintsuglyph("uni1154.lj4";84);
566   hangul.jamo.sjc(2,1,false)(whatever,lixf,loxf);
567   tsu_render;
568 endtsuglyph;
569

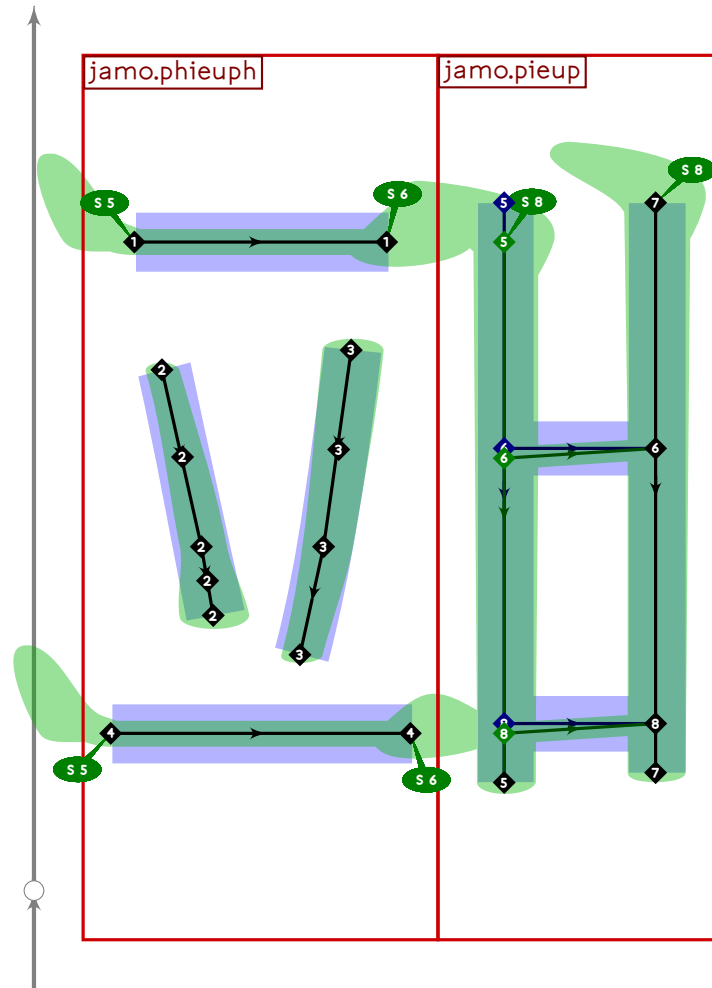
```

U+FF555
mande.uni1155.lj4

FF5



```
570 % hangul lead ceongchieumcieuc
571 begintsuglyph("uni1155.lj4";85);
572   hangul.jamo.sjc(2,-1,false)(whatever,lixf,loxf);
573   tsu_render;
574 endsuglyph;
575
```



FF5

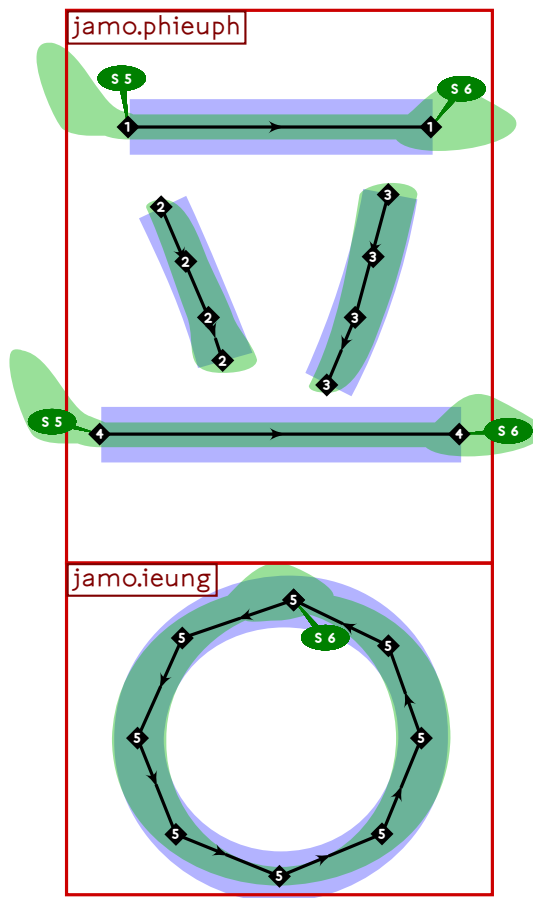
```

576 % hangul lead phieuph-pieup
577 begintsuglyph("uni1156.lj4";86);
578   hangul.combine.lr(117,107)(whatever,lixf,loxf);
579   tsu_render;
580 endtsuglyph;
581

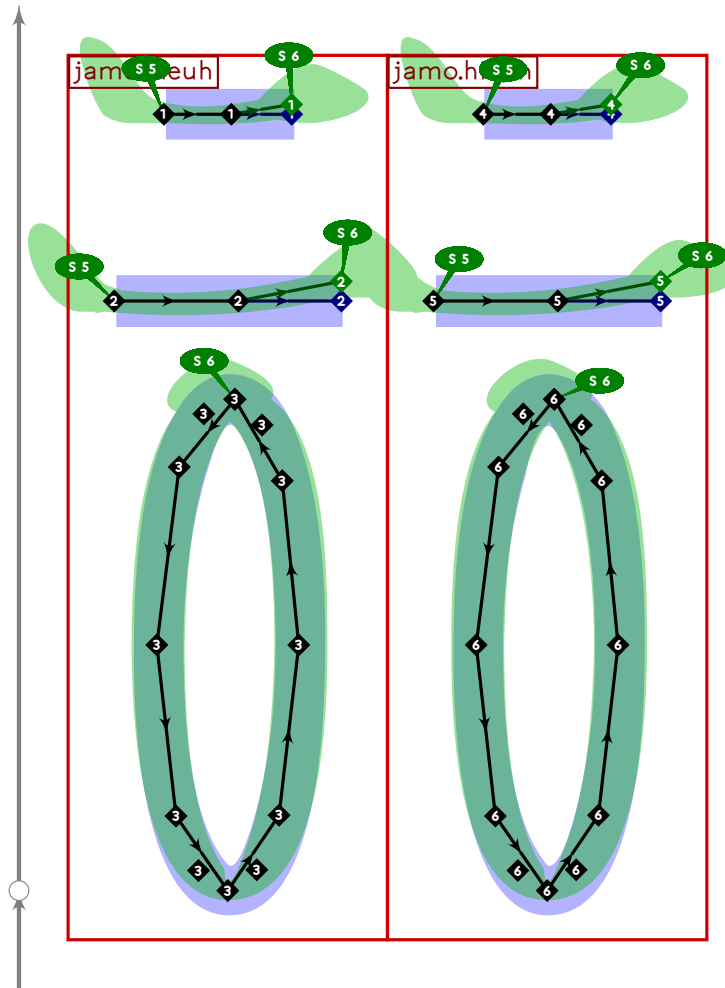
```

U+FF557
mande.uni1157.lj4

FF5



```
582 % hangul lead kapyeounphieuph
583 begintsuglyph("uni1157.lj4";87);
584   hangul.combine.tb(117,521)(whatever,
585     hxf((250,850),(850,-50)) transformed lixf,loxf);
586   tsu_render;
587 endtsuglyph;
588
```

FF5

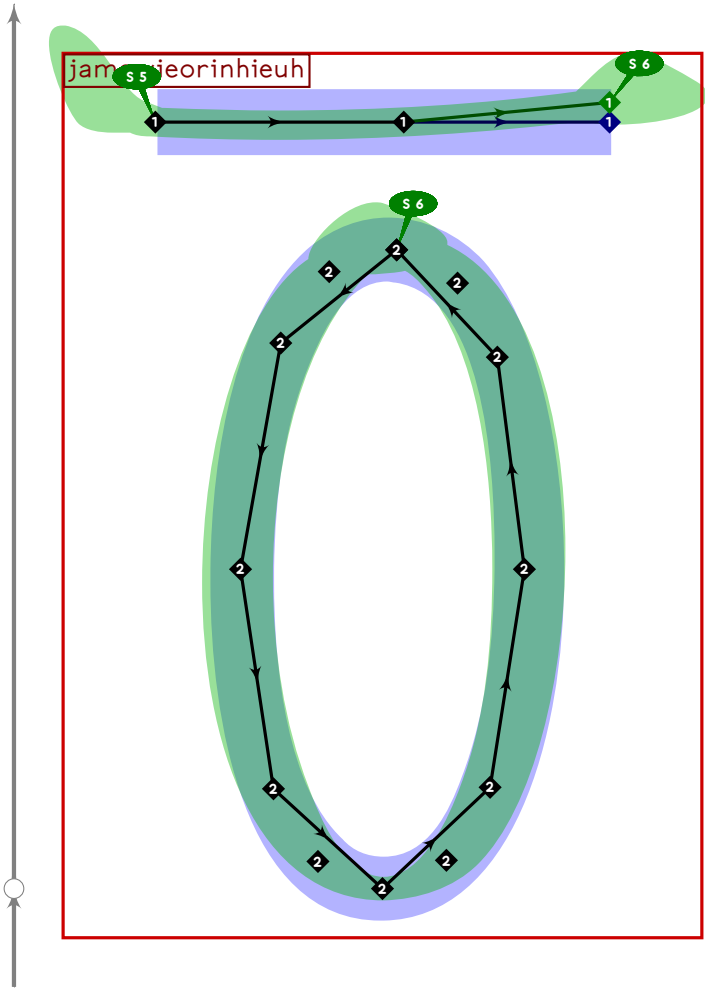
```

589 % hangul lead ssanghieuh
590 begintsuglyph("uni1158.lj4";88);
591   hangul.combine.lcr(118,230,118)(whatever,lixf,loxf);
592   tsu_render;
593 endsuglyph;
594

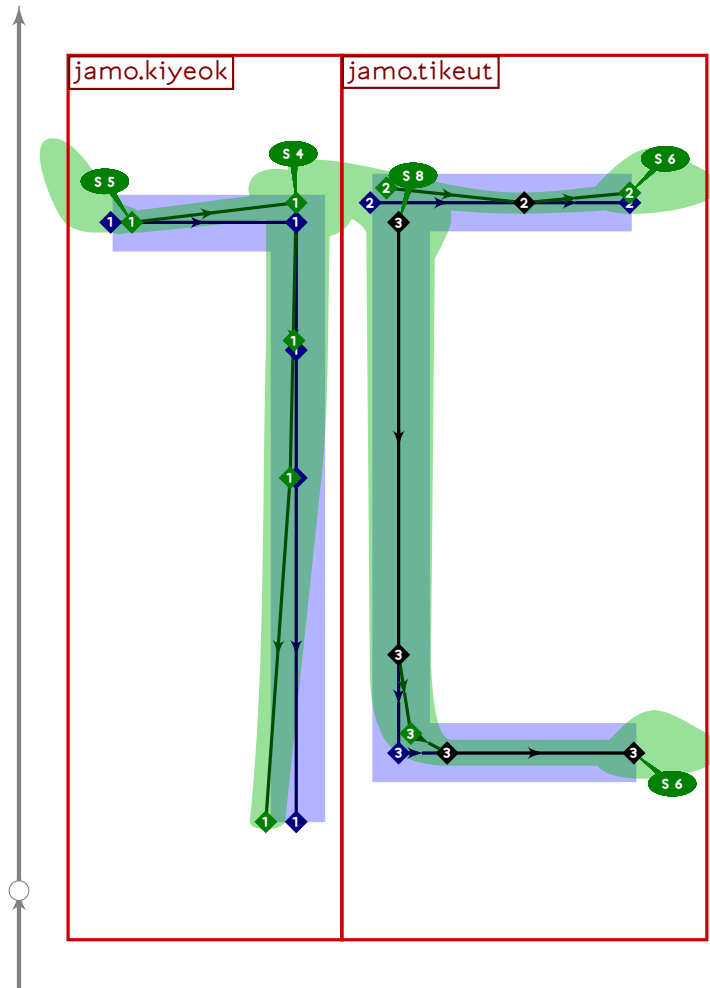
```

U+FF559
mande.uni1159.lj4

FF5



```
595 % hangul lead yeorinhieuh
596 begintsuglyph("uni1159.lj4";89);
597   hangul.jamo.yeorinhieuh(whatever,lixf,loxf);
598   tsu_render;
599 endtsuglyph;
600
```



FF5

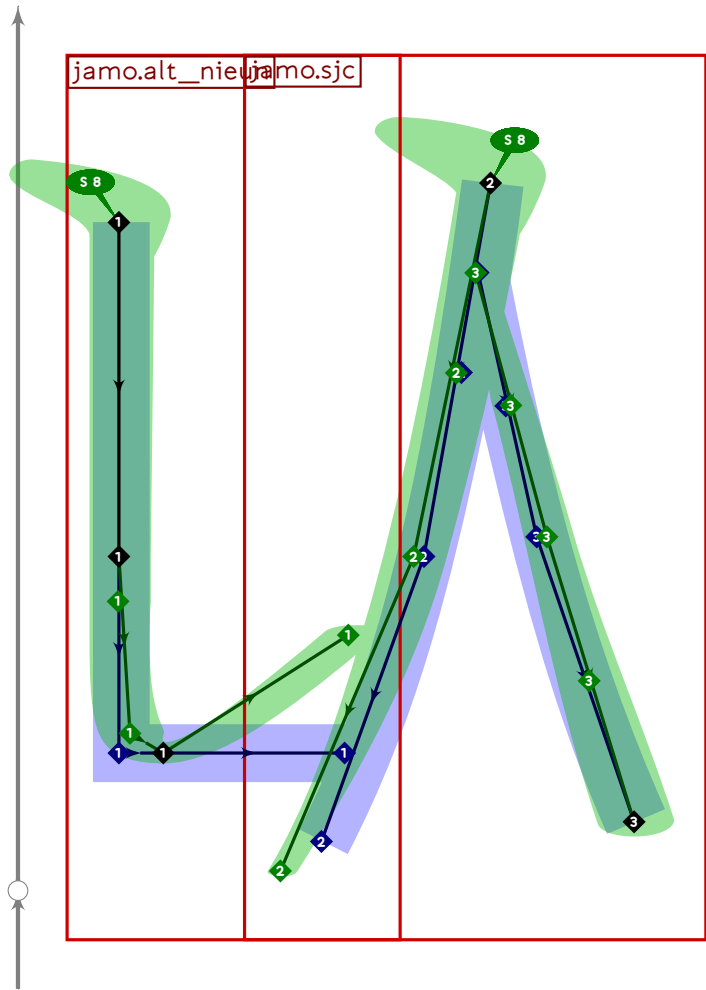
```

601 % hangul lead kiyeok-tikeut
602 begintsuglyph("uni115A.lj4";90);
603   hangul.combine.lr(100,103)(whatever,lixf,loxf);
604   tsu_render;
605 endsuglyph;
606

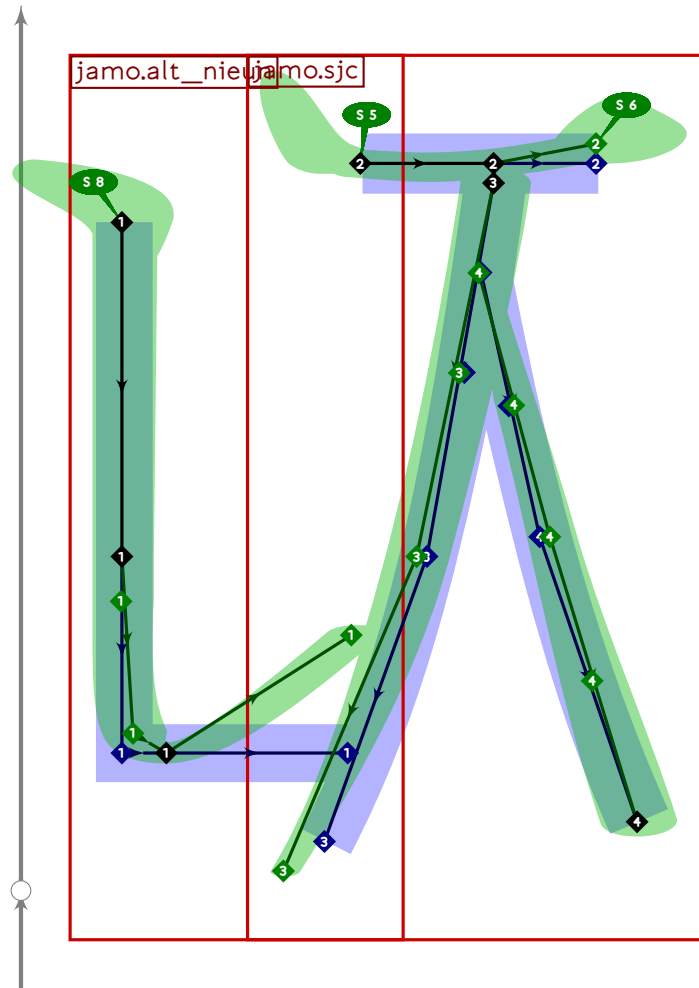
```

U+FF55B
mande.uni115B.lj4

FF5



```
607 % hangul lead nieun-sios
608 begintsuglyph("uni115B.lj4";91);
609 hangul.combine.lr(202,109)(whatever,lixf,loxf);
610 tsu_render;
611 endtsuglyph;
612
```



FF5

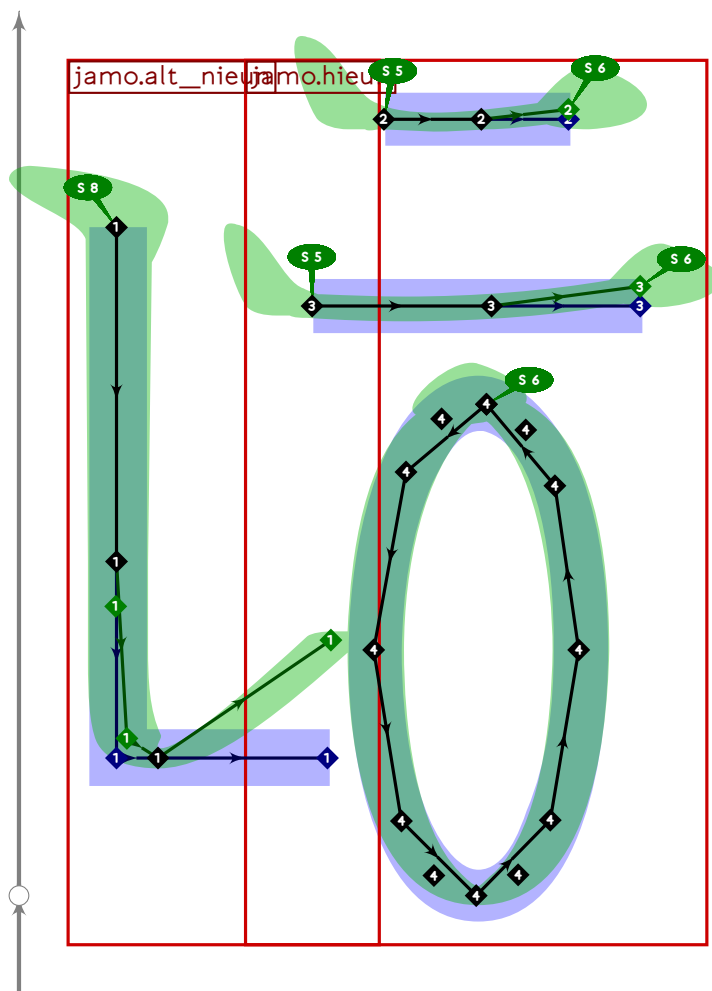
```

613 % hangul lead nieun-cieuc
614 begintsuglyph("uni115C.lj4";92);
615   hangul.combine.lr(202,112)(whatever,lixf,loxf);
616   tsu_render;
617 endtsuglyph;
618

```

U+FF55D
mande.uni115D.lj4

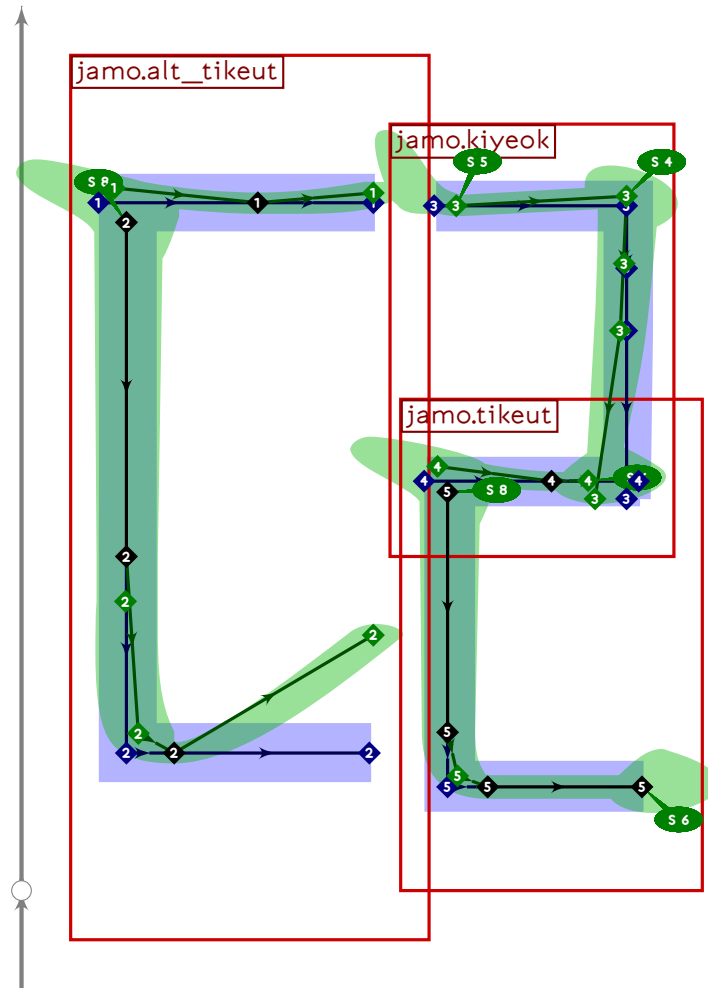
FF5



```

619 % hangul lead nieun-hieuh
620 beginsuglyph("uni115D.lj4";93);
621   hangul.combine.lr(202,118)(whatever,lixf,loxf);
622   tsu_render;
623 endsuglyph;
624

```



FF5

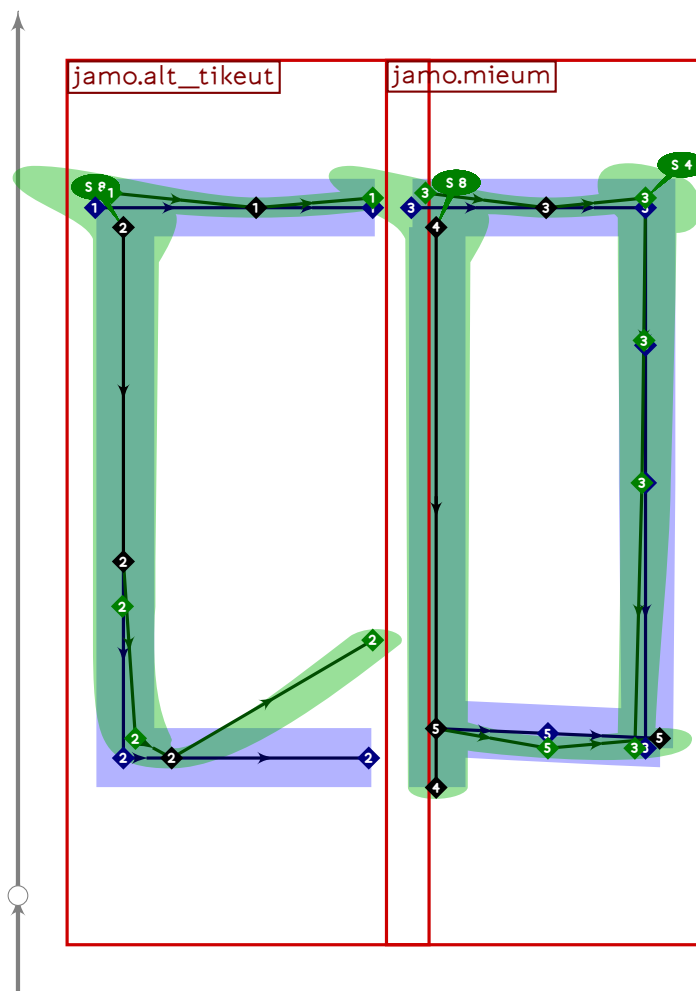
```

625 % hangul lead tikeut-rieul
626 begintsuglyph("uni115E.lj4";94);
627 hangul.combine.lr(203,105)(whatever,lixf,loxf);
628 tsu_render;
629 endsuglyph;
630

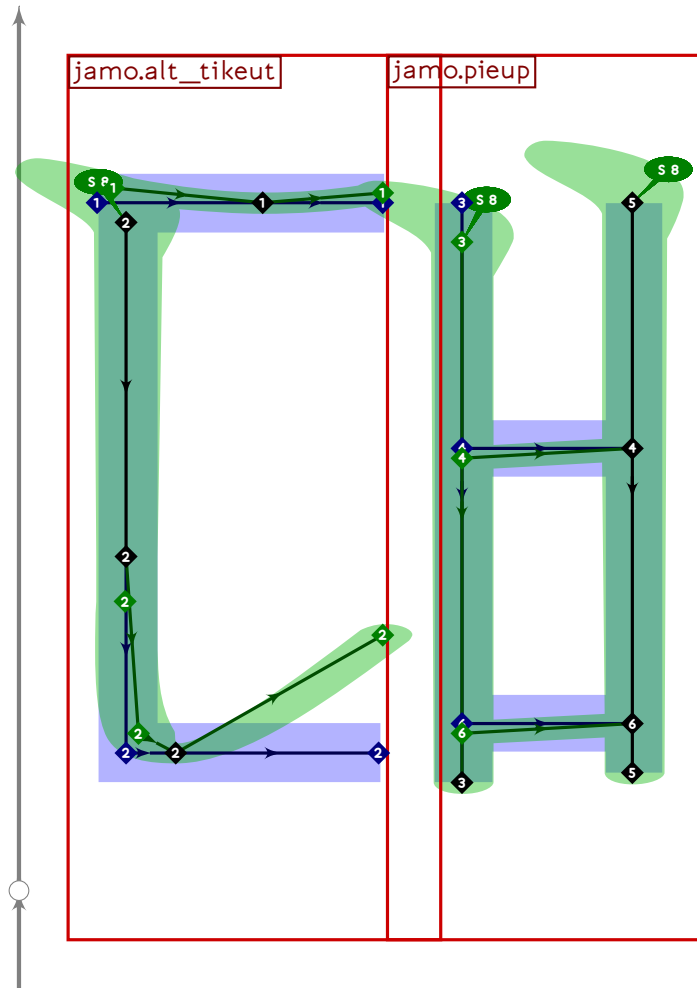
```

U+FF560
mande.uniA960.lj4

FF5



```
631 % hangul lead tikeut-mieum
632 beginsuglyph("uniA960.lj4";96);
633 hangul.combine.lr(203,106)(whatever,lixf,loxf);
634 tsu_render;
635 endsuglyph;
636
```

FF5

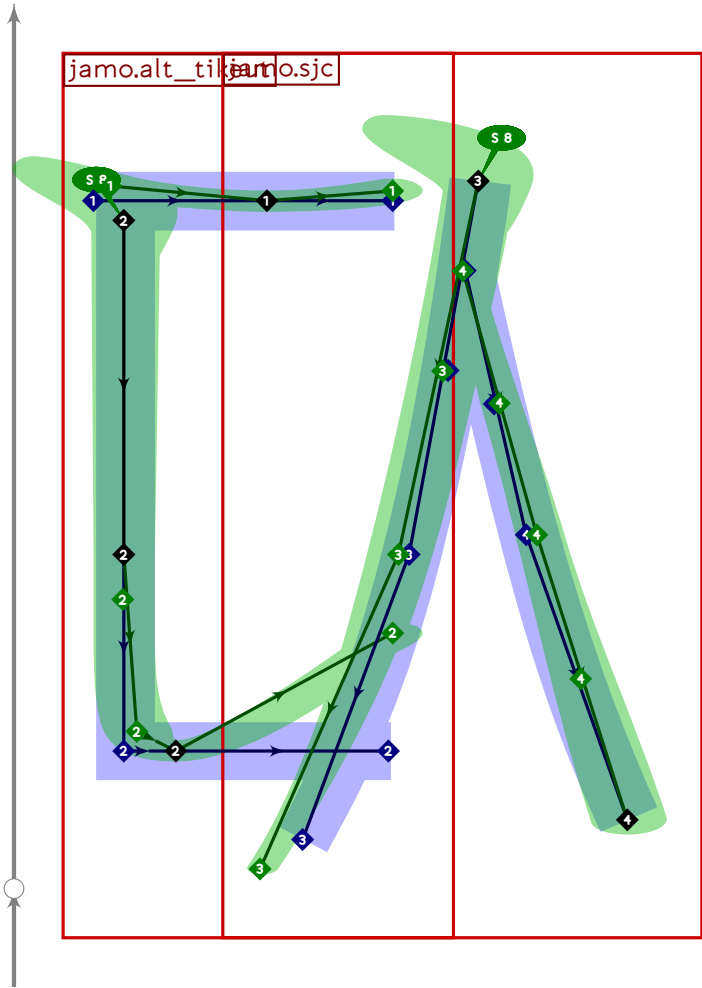
```

637 % hangul lead tikeut-pieup
638 begintsuglyph("uniA961.lj4";97);
639 hangul.combine.lr(203,107)(whatever,lixf,loxf);
640 tsu_render;
641 endsuglyph;
642

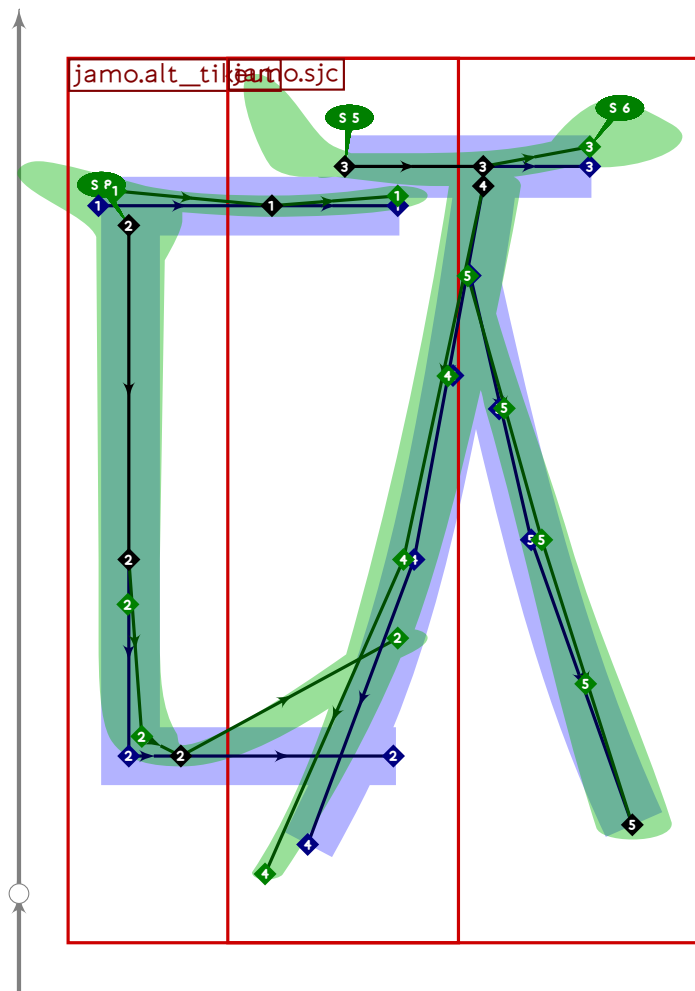
```

U+FF562
mande.uniA962.lj4

FF5



```
643 % hangul lead tikeut-sios
644 begintsuglyph("uniA962.lj4'98);
645   hangul.combine.lr(203,109)(whatever,lixf,loxf);
646   tsu_render;
647 endtsuglyph;
648
```



FF5

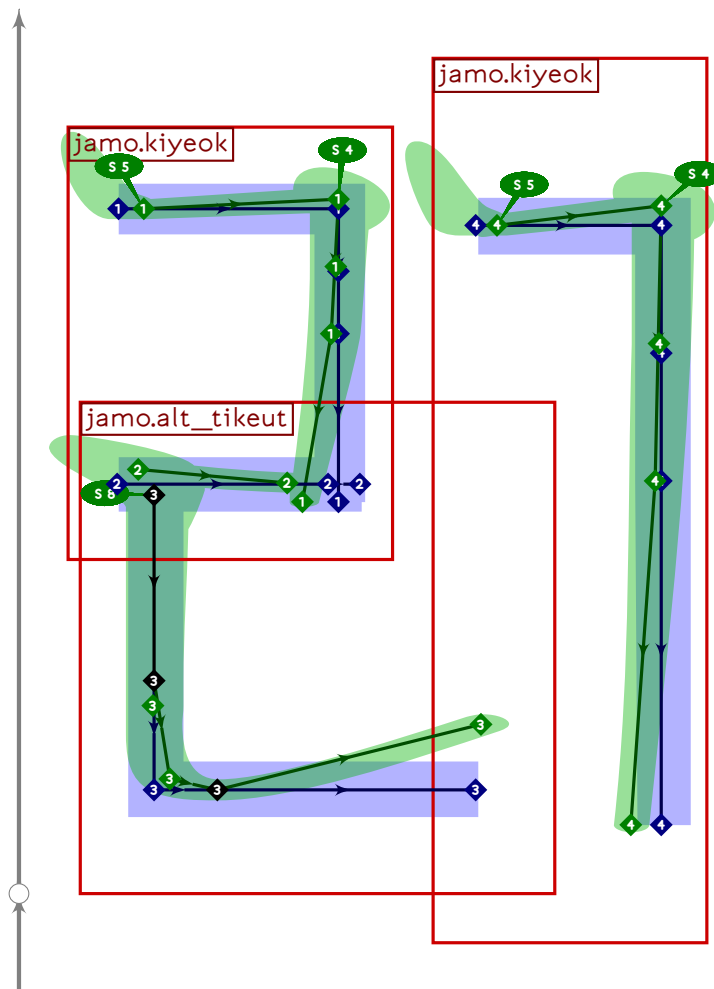
```

649 % hangul lead tikeut-cieuc
650 begintsuglyph("uniA963.lj4'99);
651   hangul.combine.lr(203,112)(whatever,lixf,loxf);
652   tsu_render;
653 endtsuglyph;
654

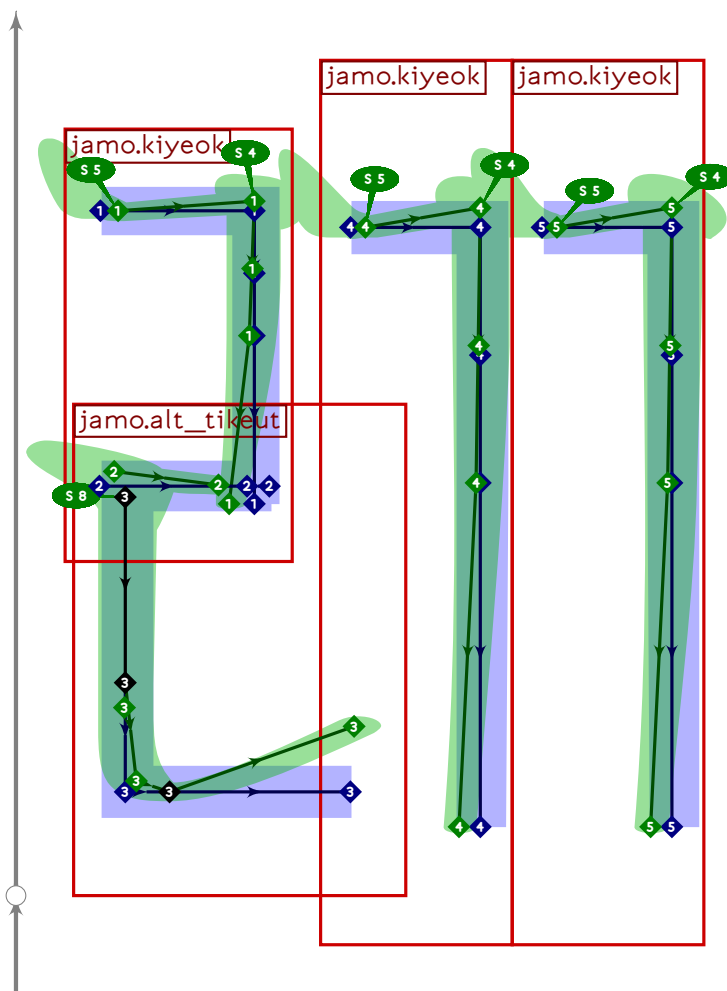
```

U+FF564
mande.uniA964.lj4

FF5



```
655 % hangul lead rieul-kiyeok
656 beginsuglyph("uniA964.lj4",100);
657 hangul.combine.lr(205,100)(whatever,lixf,loxf);
658 tsu_render;
659 endsuglyph;
660
```



FF5

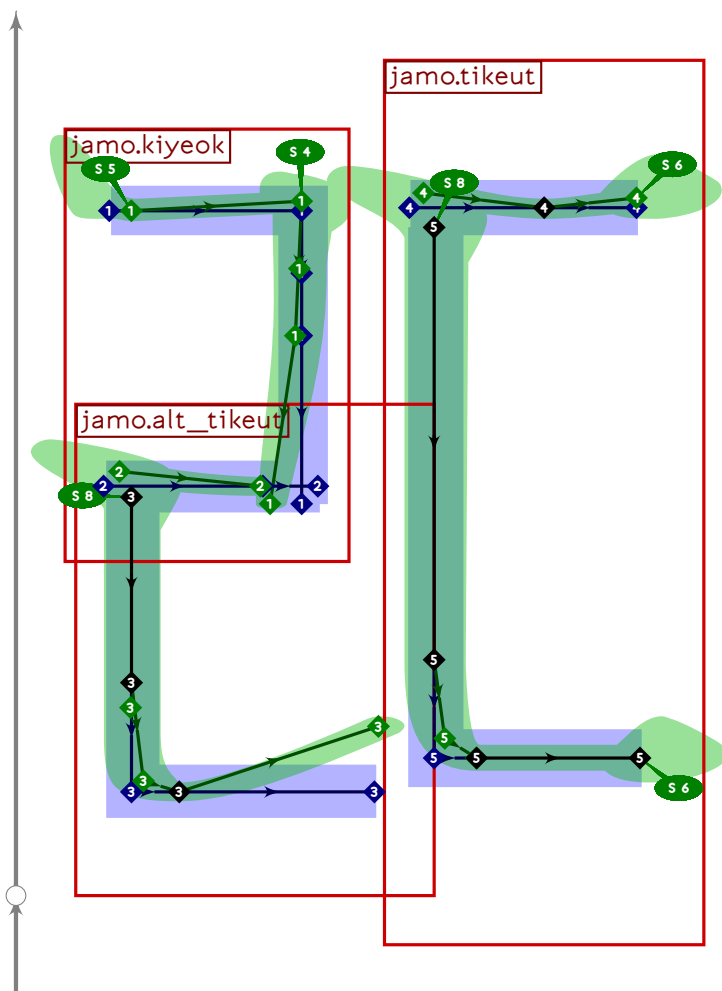
```

661 % hangul lead rieul-ssangkiyeok
662 beginsuglyph("uniA965.lj4";101);
663   hangul.combine.lcr(205,100,100)(whatever,lixf,loxf);
664   tsu_render;
665 endsuglyph;
666

```

U+FF566
mande.uniA966.lj4

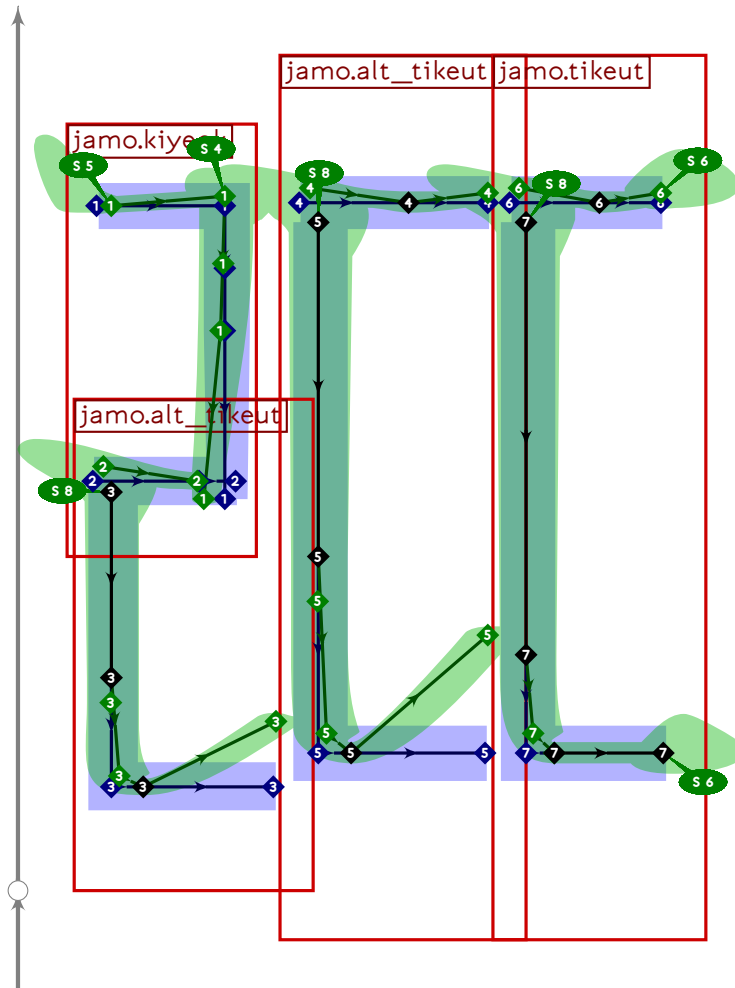
FF5



```

667 % hangul lead rieul-tikeut
668 begintsuglyph("uniA966.lj4",102);
669 hangul.combine.lr(205,103)(whatever,lixf,loxf);
670 tsu_render;
671 endtsuglyph;
672

```



FF5

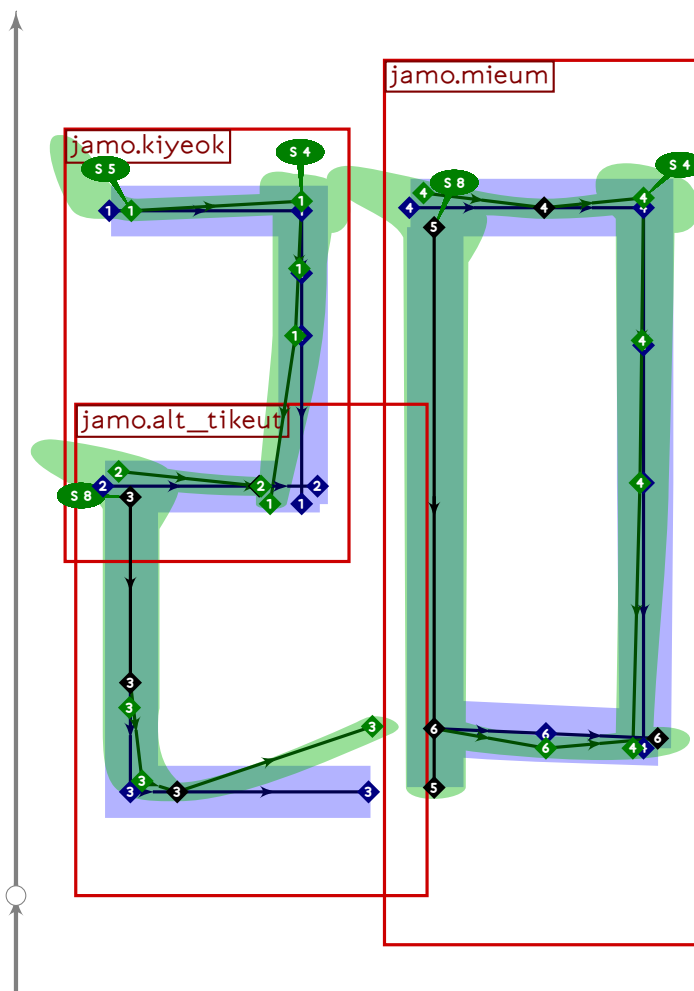
```

673 % hangul lead rieul-ssangtikeut
674 beginsuglyph("uniA967lj4",103);
675 hangul.combine.lcr(205,203,103)(whatever,lixf,loxf);
676 tsu_render;
677 endsuglyph;
678

```

U+FF568
mande.uniA968.lj4

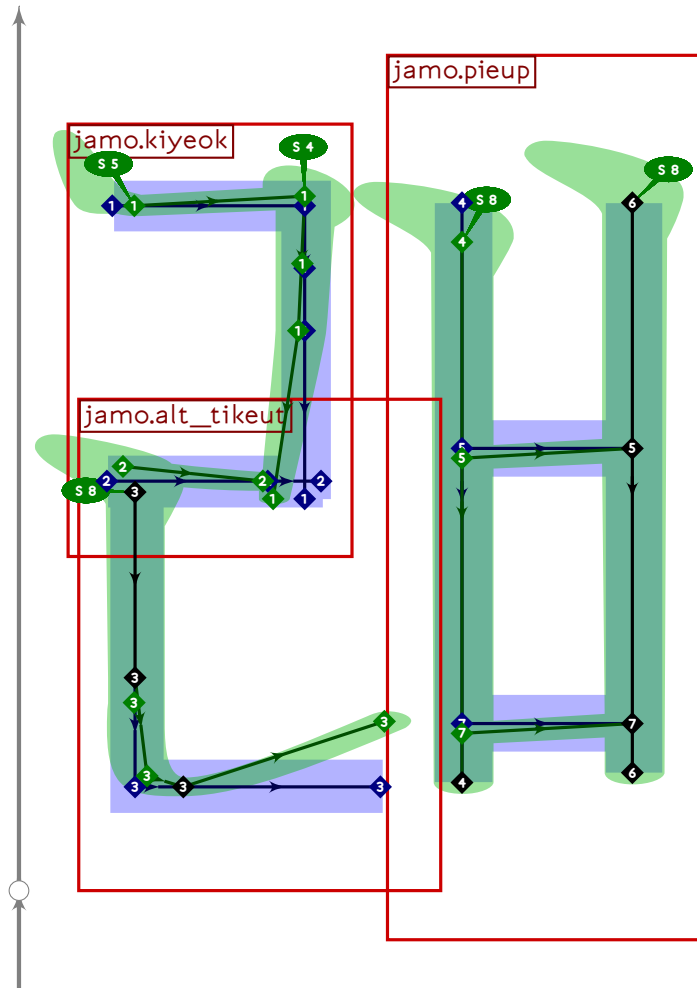
FF5



```

679 % hangul lead rieul-mieum
680 begintsuglyph("uniA968.lj4",104);
681   hangul.combine.lr(205,106)(whatever,lixf,loxf);
682   tsu_render;
683 endtsuglyph;
684

```

FF5

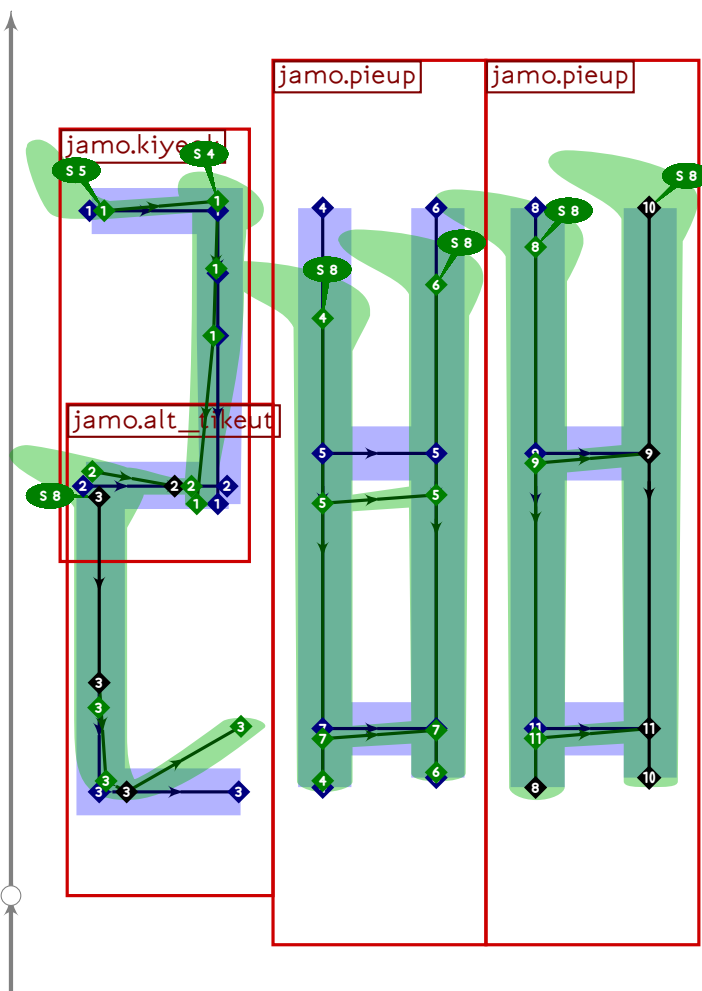
```

685 % hangul lead rieul-pieup
686 begintsuglyph("uniA969.lj4",105);
687 hangul.combine.lr(205,107)(whatever,lixf,loxf);
688 tsu_render;
689 endtsuglyph;
690

```

U+FF56A
mande.uniA96A.lj4

FF5

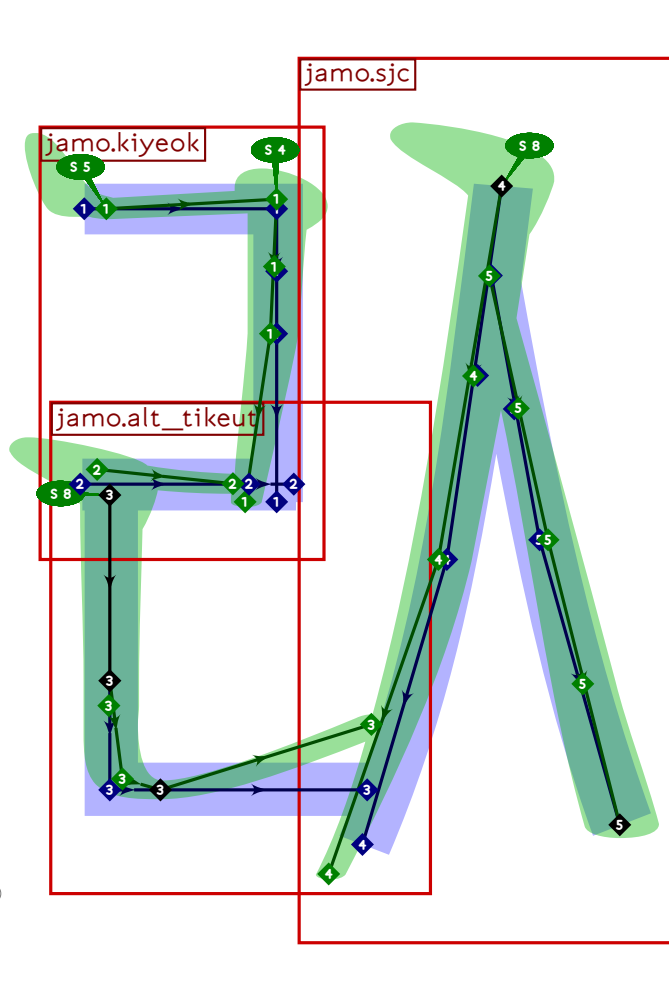


```

691 % hangul lead rieul-ssangpieup
692 beginsuglyph("uniA96A.lj4";106);
693   hangul.combine.lcr(205,207,107)(whatever,lixf,loxf);
694   tsu_render;
695 endsuglyph;
696

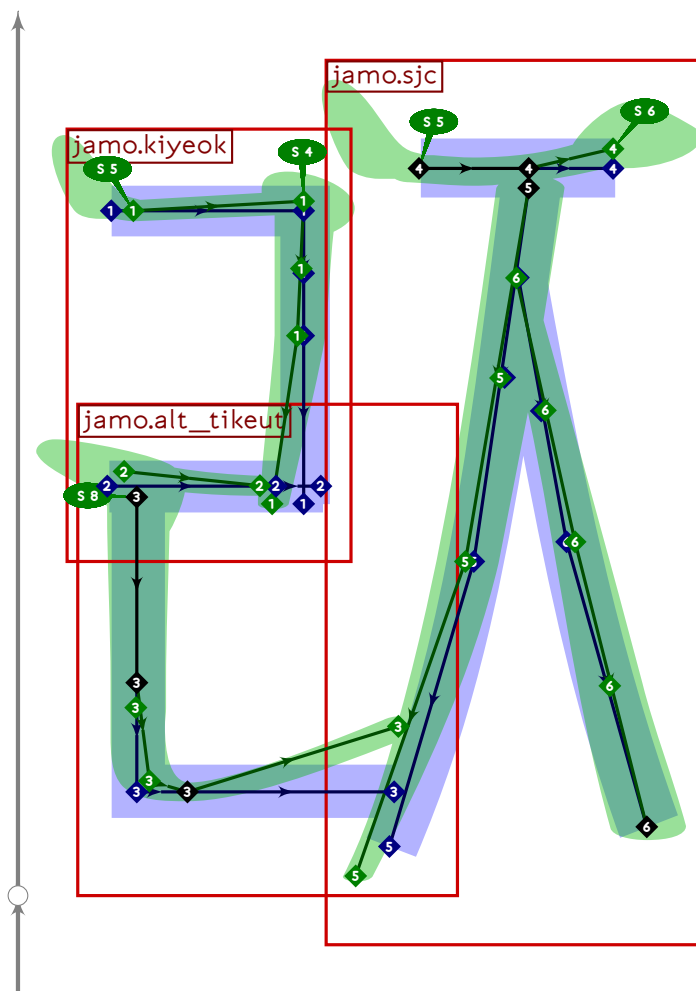
```


U+FF56C
mande.uniA96C.lj4



FF5

```
703 % hangul lead rieul-sios
704 begintsuglyph("uniA96C.lj4",108);
705   hangul.combine.lr(205,109)(whatever,lixf,loxf);
706   tsu_render;
707 endtsuglyph;
708
```



FF5

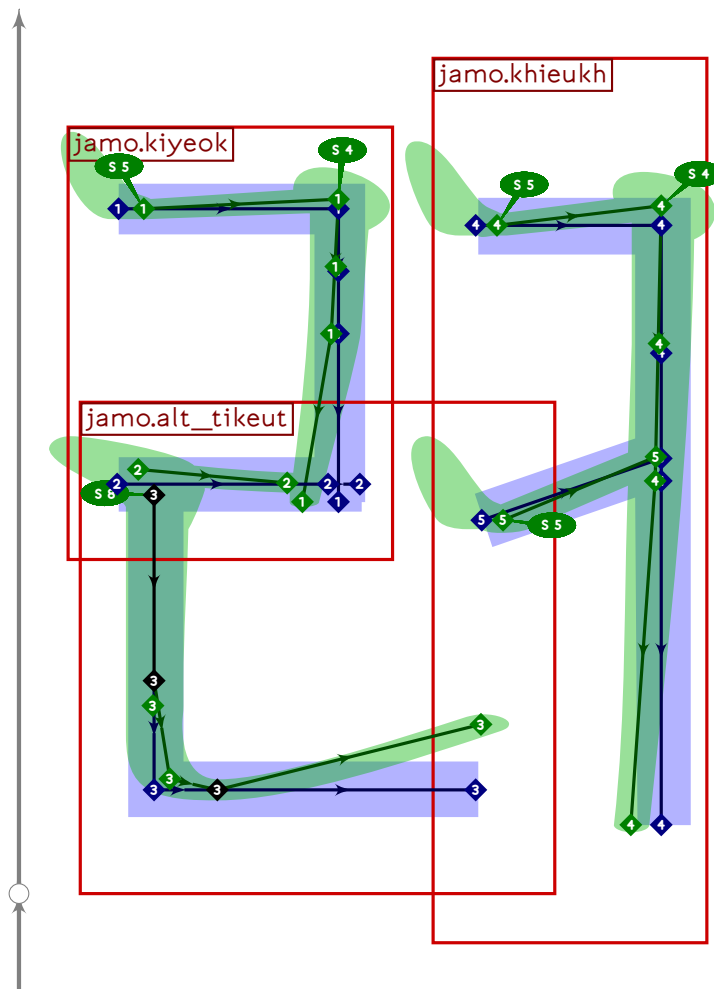
```

709 % hangul lead rieul-cieuc
710 begint Suglyph("uniA96D.lj4";109);
711 hangul.combine.lr(205,112)(whatever,lixf,loxf);
712 tsu_render;
713 endtsuglyph;
714

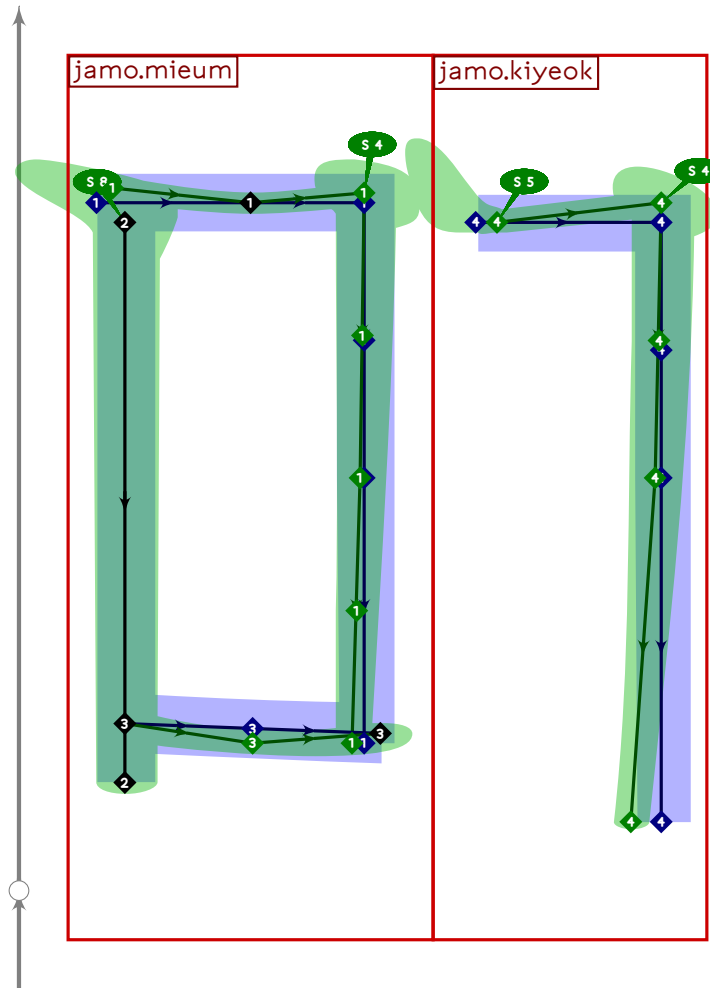
```

U+FF56E
mande.uniA96E.lj4

FF5



```
715 % hangul lead rieul-khieukh
716 begintsuglyph("uniA96E.lj4",110);
717 hangul.combine.lr(205,115)(whatever,lixf,loxf);
718 tsu_render;
719 endtsuglyph;
720
```



FF5

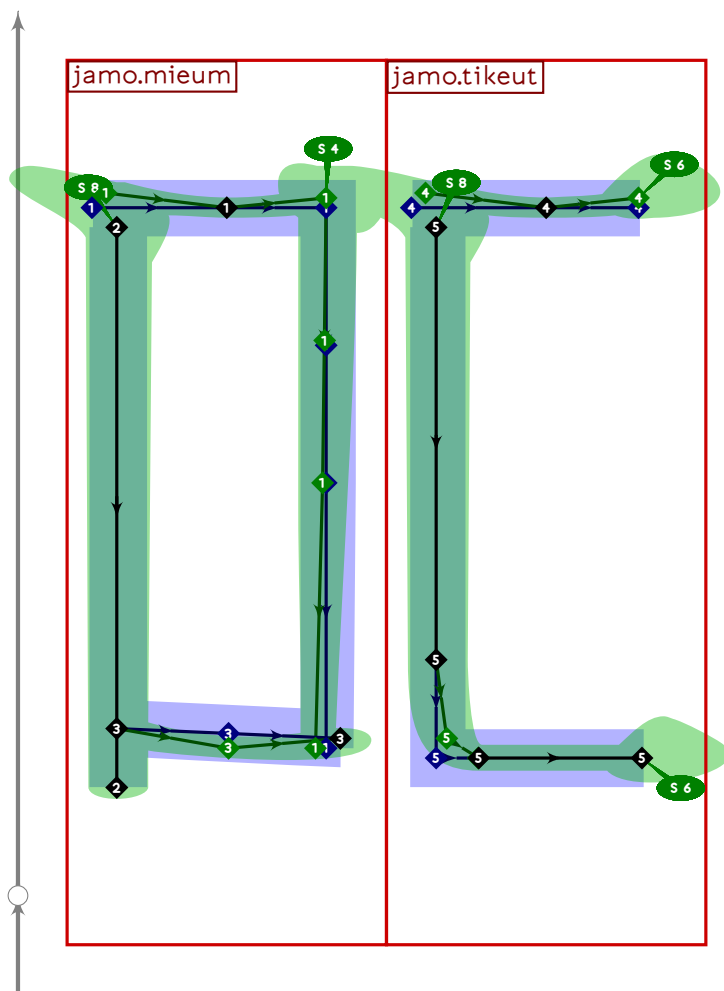
```

721 % hangul lead mieum-kiyeok
722 begintsuglyph("uniA96F.lj4",111);
723   hangul.combine.lr(106,100)(whatever,lixf,loxf);
724   tsu_render;
725 endsuglyph;
726

```

U+FF570
mande.uniA970.lj4

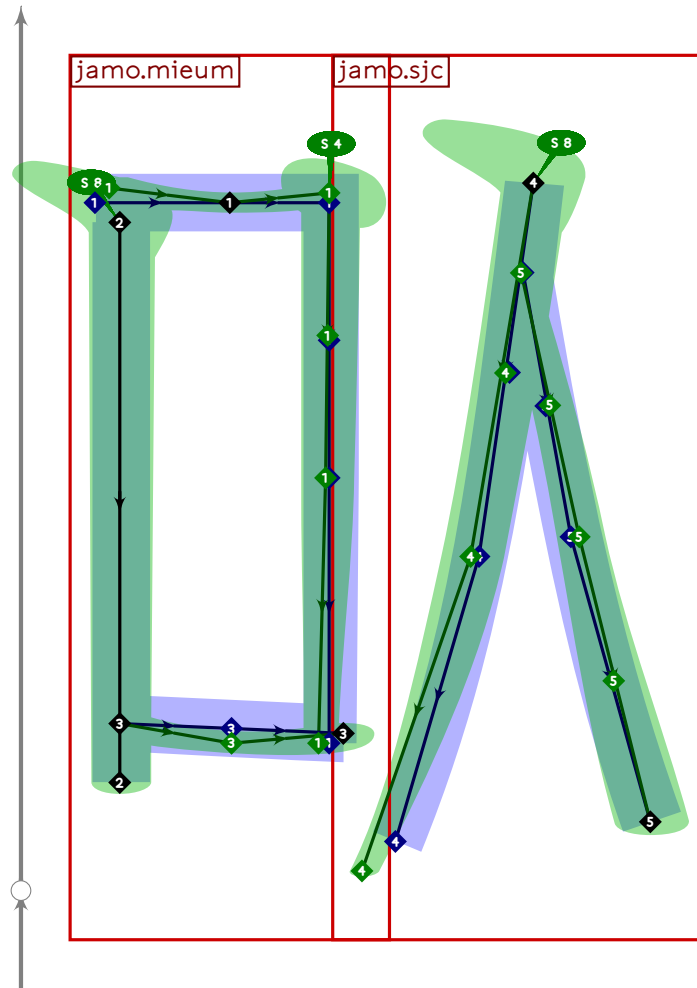
FF5



```

727 % hangul lead mieum-tikeut
728 begintsuglyph("uniA970.lj4";112);
729 hangul.combine.lr(106,103)(whatever,lixf,loxf);
730 tsu_render;
731 endtsuglyph;
732

```

FF5

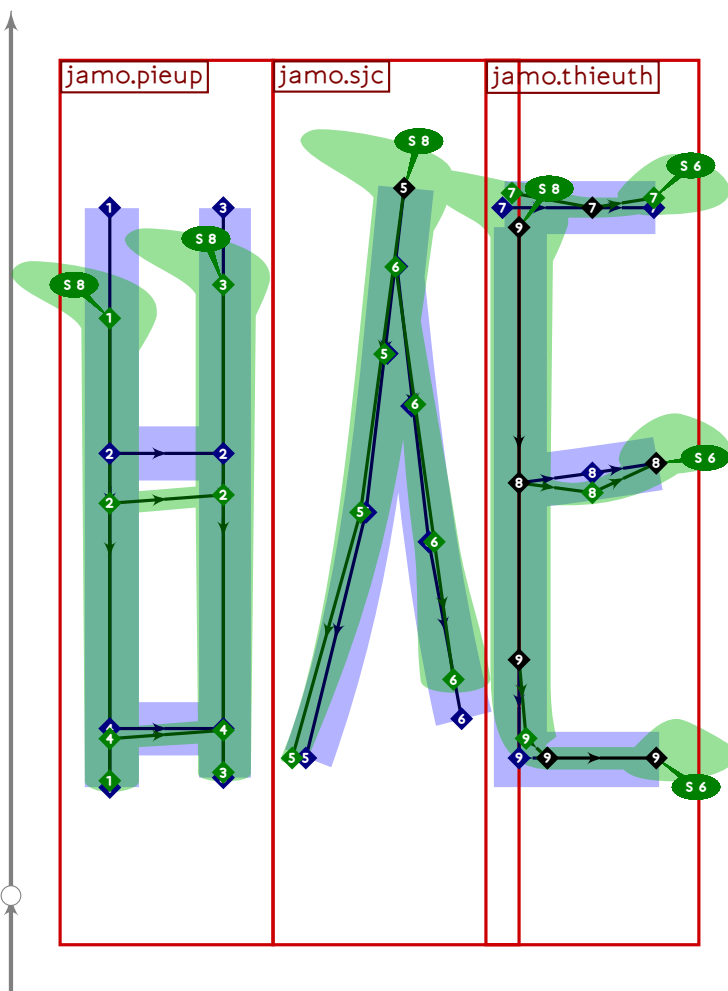
```

733 % hangul lead mieum-sios
734 begintsuglyph("uniA971.lj4",113);
735   hangul.combine.lr(106,109)(whatever,lixf,loxf);
736   tsu_render;
737 endtsuglyph;
738

```

U+FF572
mande.uniA972.lj4

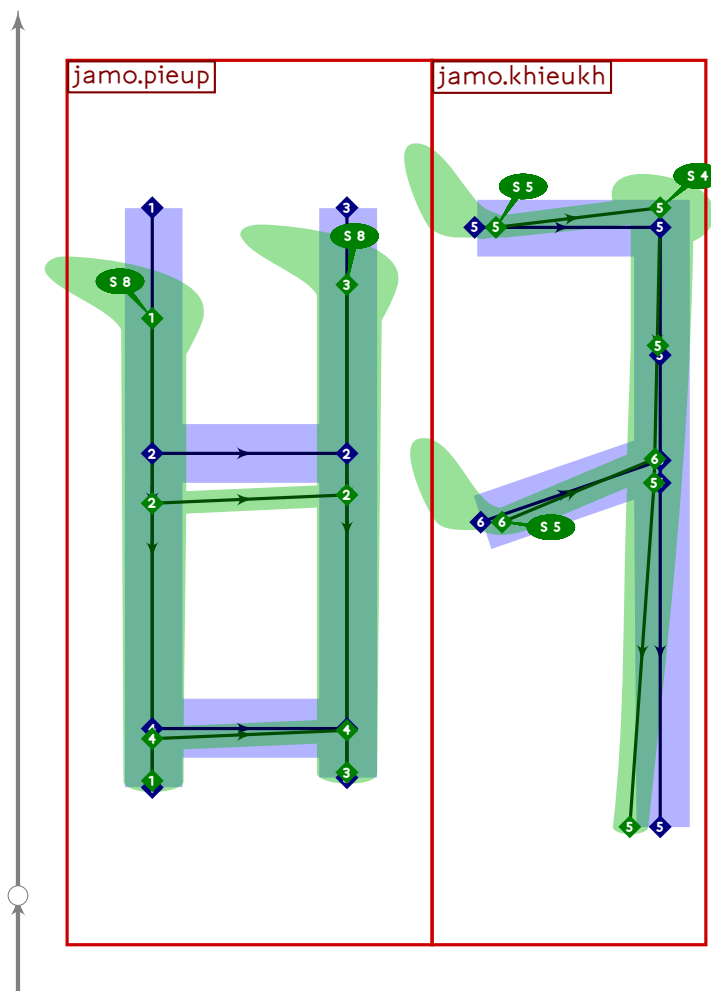
FF5



```

739 % hangul lead pieup-sios-thieuth
740 beginsuglyph("uniA972.lj4";114);
741   hangul.combine.lcr(207,209;116)(whatever;lixf,loxf);
742   tsu_render;
743 endsuglyph;
744

```



FF5

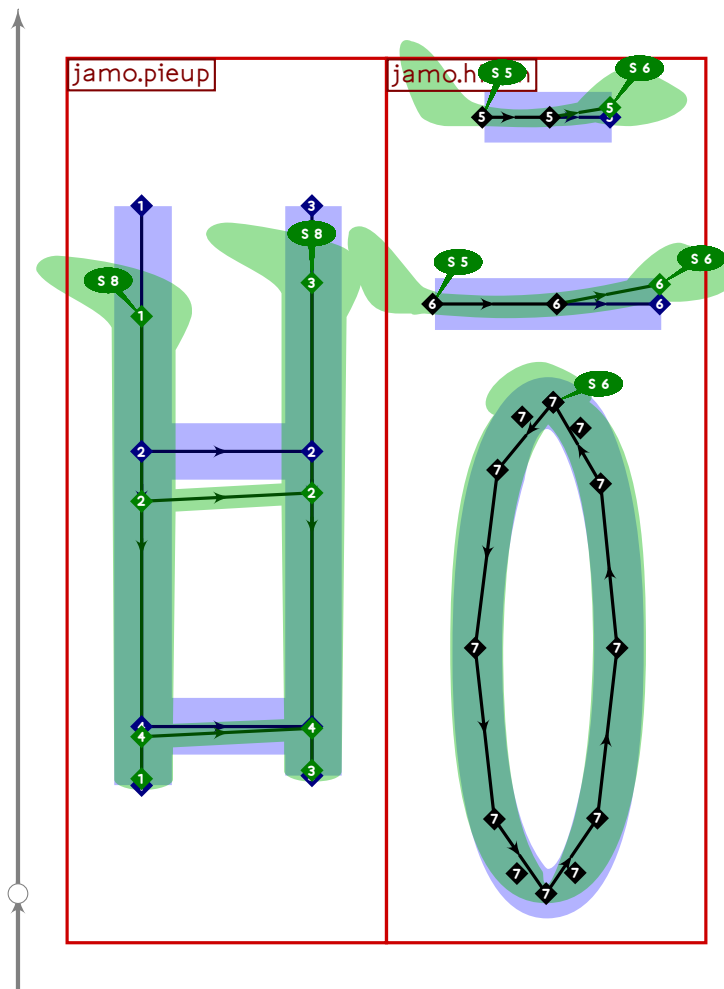
```

745 % hangul lead pieup-khieukh
746 begintsuglyph("uniA973.lj4",115);
747 hangul.combine.lr(207,115)(whatever,lixf,loxf);
748 tsu_render;
749 endsuglyph;
750

```

U+FF574
mande.uniA974.lj4

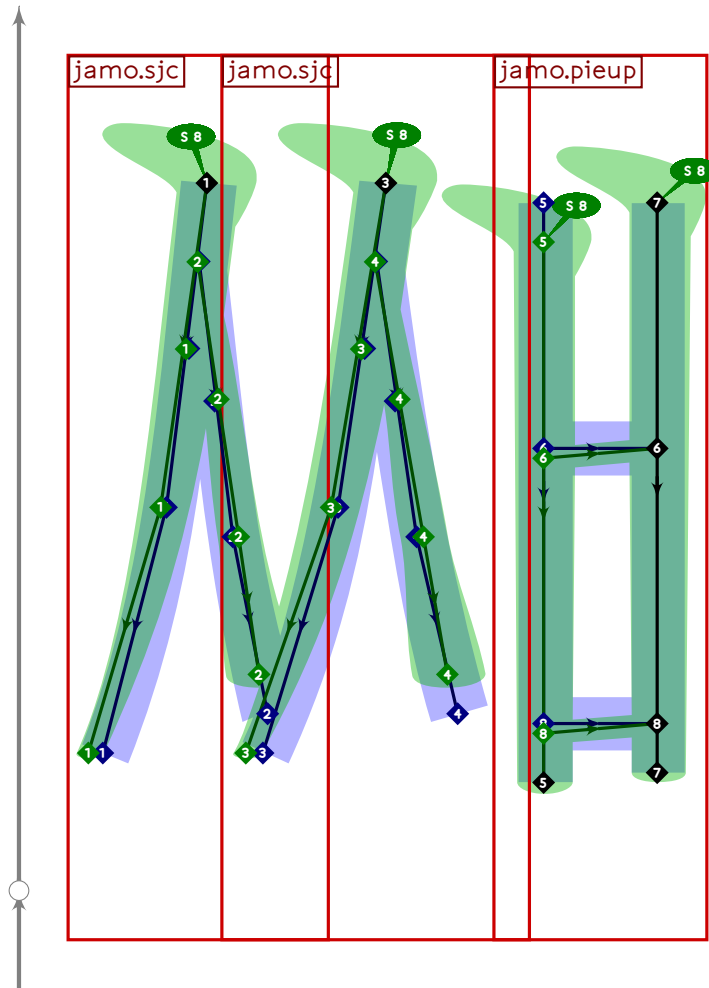
FF5



```

751 % hangul lead pieup-hieuh
752 begintsuglyph("uniA974.lj4",116);
753   hangul.combine.lr(207,118)(whatever,lixf,loxf);
754   tsu_render;
755 endtsuglyph;
756

```



FF5

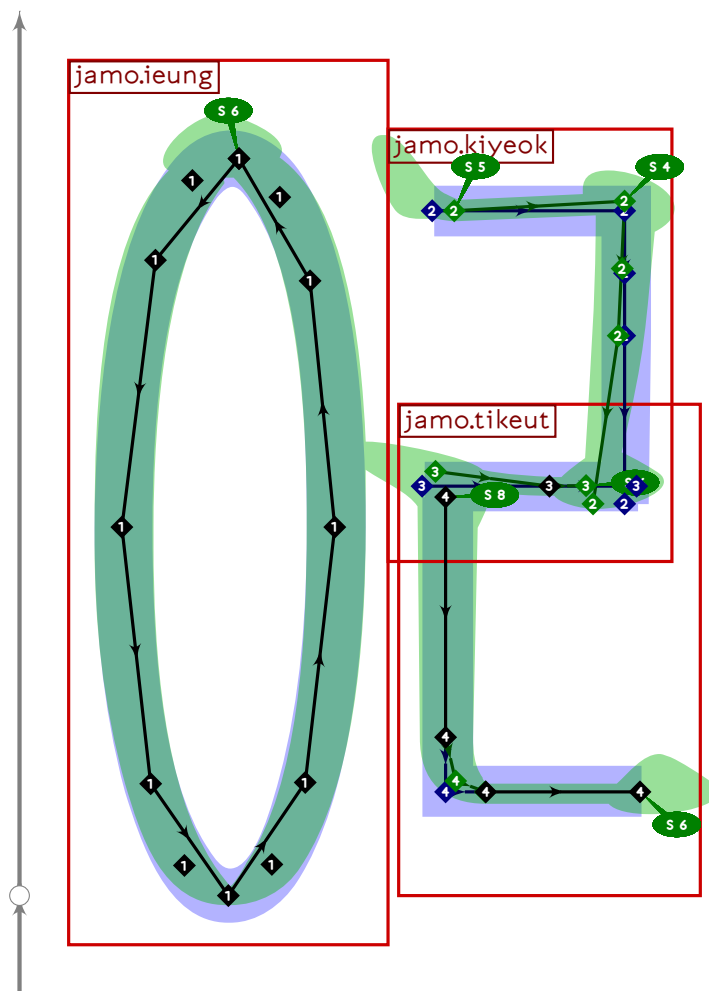
```

757 % hangul lead ssangsios-pieup
758 begint Suglyph("uniA975.lj4",117);
759   hangul.combine.lcr(209,209,107)(whatever,lixf,loxf);
760   tsu_render;
761   endtsuglyph;
762

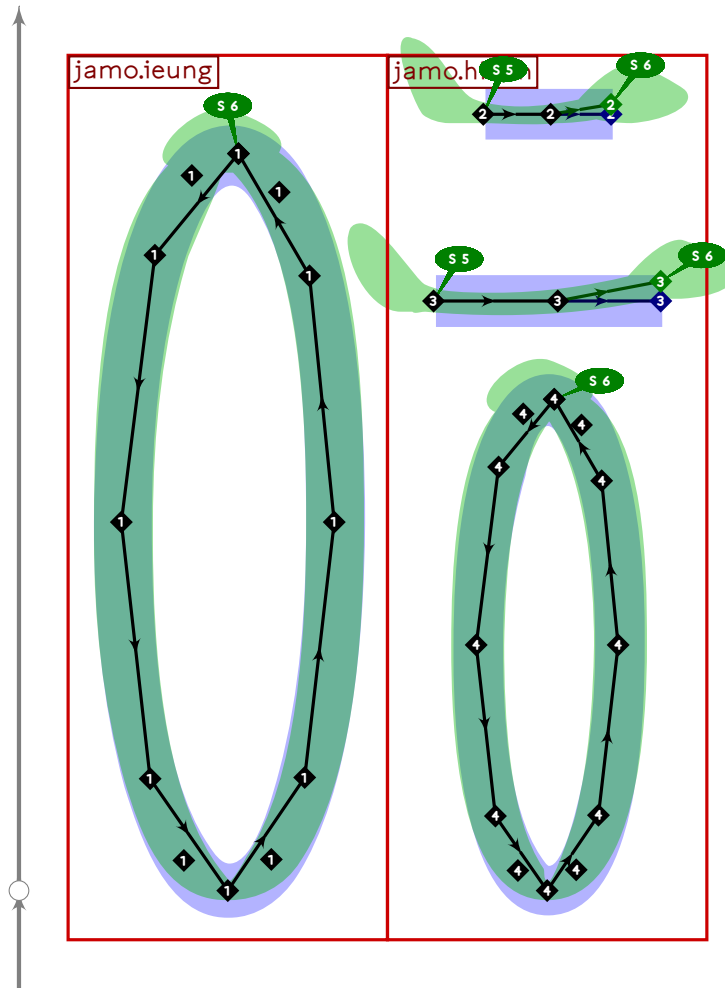
```

U+FF576
mande.uniA976.lj4

FF5



```
763 % hangul lead ieung-rieul
764 beginsuglyph("uniA976.lj4",118);
765 hangul.combine.lr(111,105)(whatever,lixf,loxf);
766 tsu_render;
767 endsuglyph;
768
```

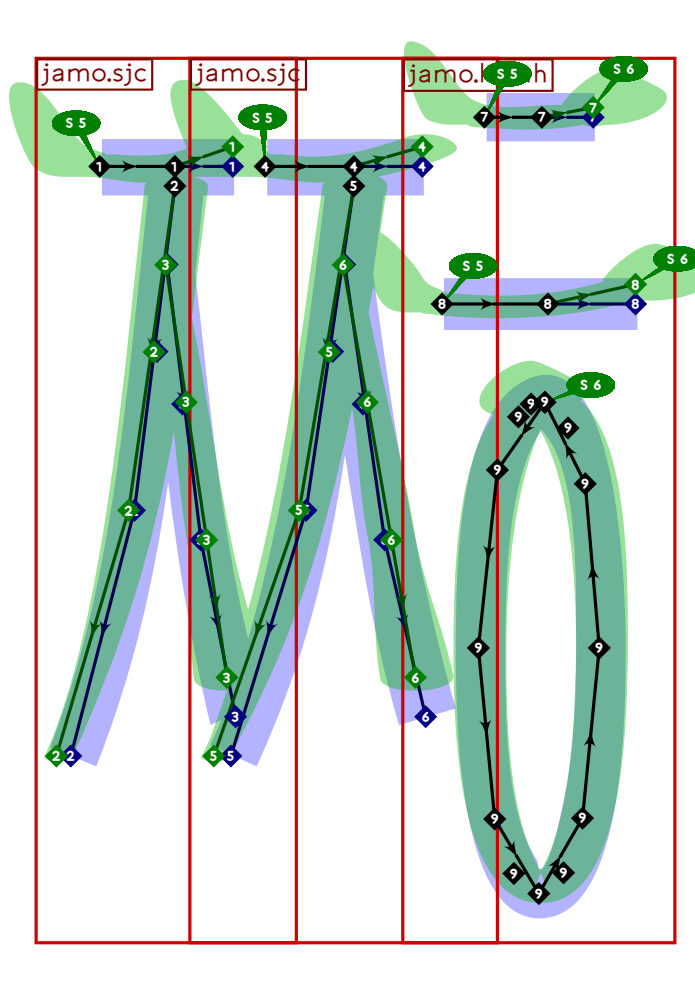


```

769 % hangul lead ieung-hieuh
770 begintsuglyph("uniA977.lj4",119);
771 hangul.combine.lr(111,118)(whatever,lixf,loxf);
772 tsu_render;
773 endsuglyph;
774

```

U+FF578
mande.uniA978.lj4

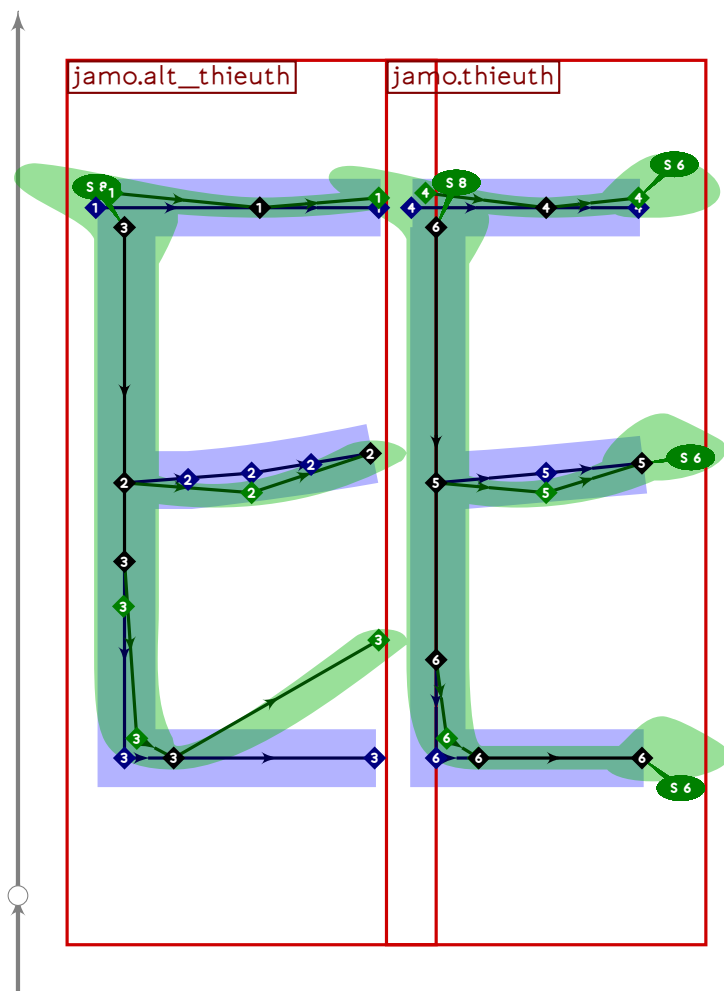


FF5

```

775 % hangul lead ssangcieuc-hieuh
776 begint Suglyph("uniA978.lj4";120);
777   hangul.combine.lcr(212,212,118)(whatever,lixf,loxf);
778   tsu_render;
779 endtsuglyph;
780

```

FF5

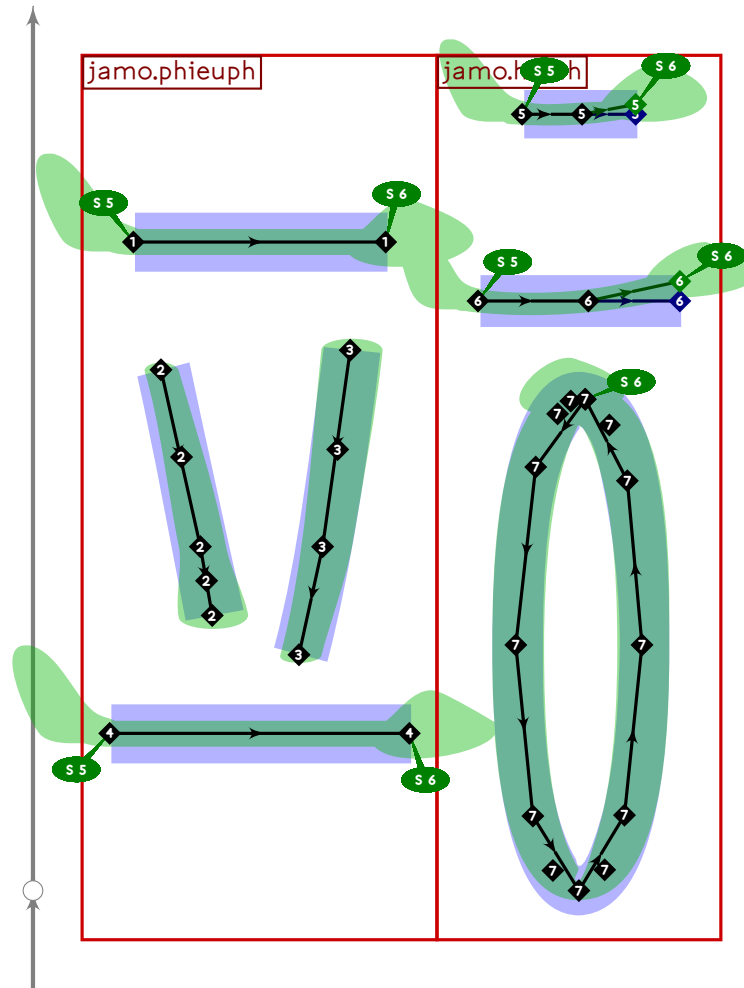
```

781 % hangul lead ssangthieuth
782 begintsuglyph("uniA979.lj4",121);
783 hangul.combine.lr(216,116)(whatever,lixf,loxf);
784 tsu_render;
785 endtsuglyph;
786

```

U+FF57A
mande.uniA97A.lj4

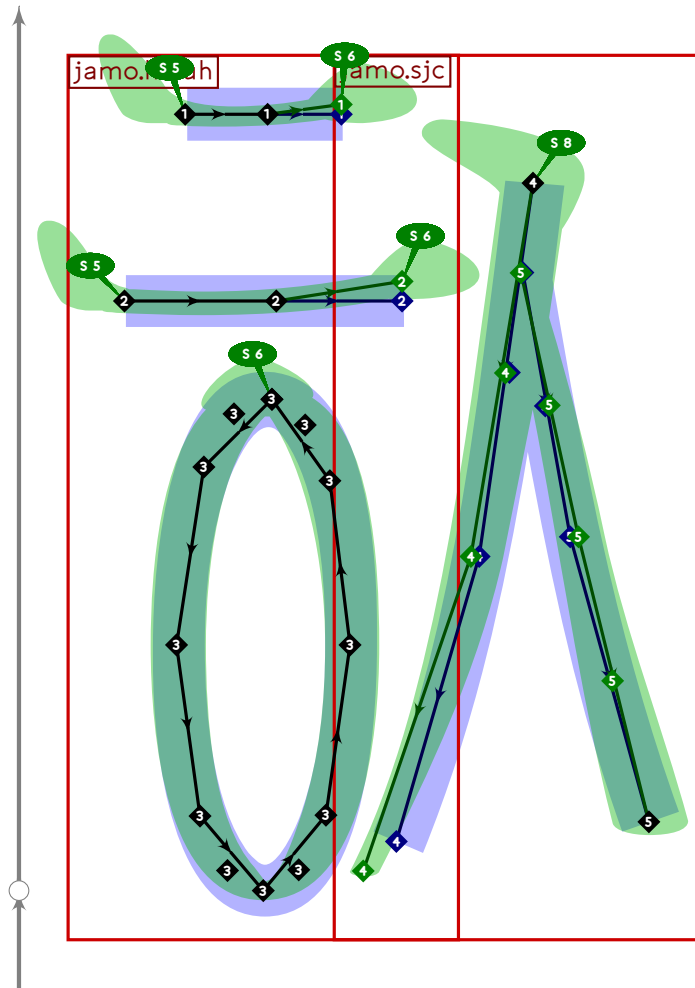
FF5



```

787 % hangul lead phieuph-hieuh
788 begintsuglyph("uniA97A.lj4";122);
789   hangul.combine.lcr(117,230,118)(whatever,lixf,loxf);
790   tsu_render;
791 endtsuglyph;
792

```



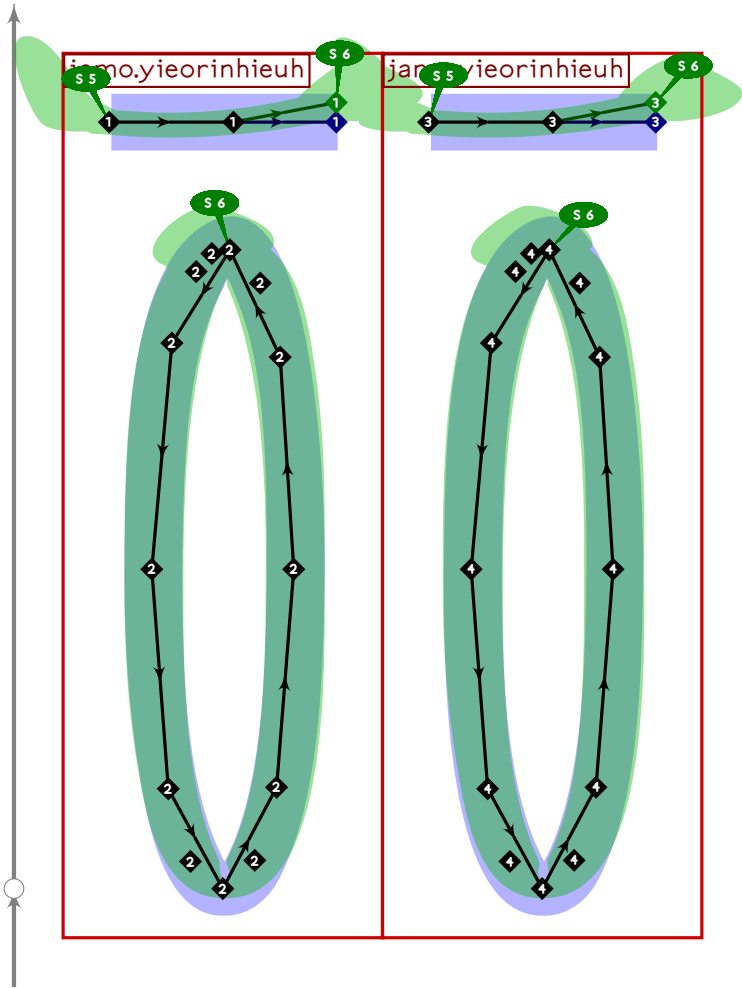
FF5

```

793 % hangul lead hieuh-sios
794 begintsuglyph("uniA97B.lj4";123);
795   hangul.combine.lr(118,109)(whatever,lixf,loxf);
796   tsu_render;
797 endtsuglyph;
798

```

FF5



```
799 % hangul lead ssangyeorinhieuh
800 begintsuglyph("uniA97C.lj4";124);
801   hangul.combine.lcr(221,230,221)(whatever,lixf,loxf);
802   tsu_render;
803 endtsuglyph;
804
805 _____
806
807 endfont;
808
809 _____
```

mande-ff6.mp

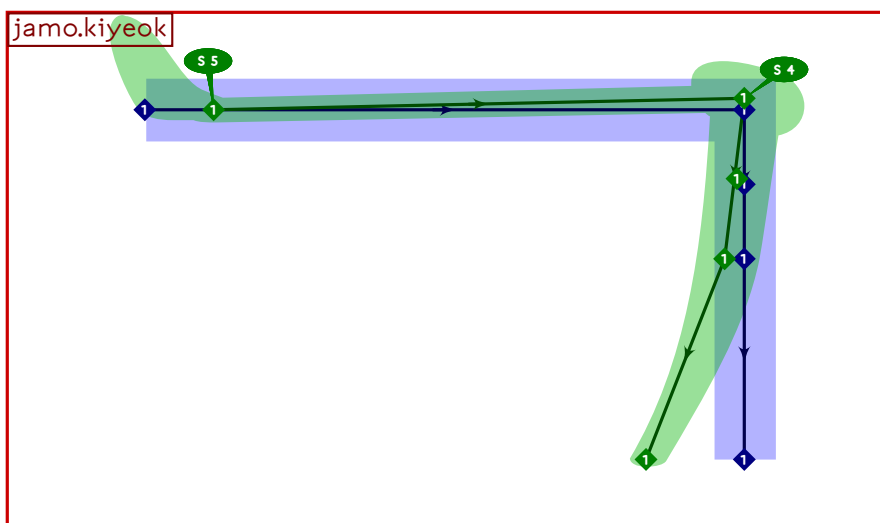
```
1 %
2 % Unicode page FF6 (alternate lead jamo) for Mandeubsida
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input hangul.mp;
37 input jamo-basic.mp;
38 input jamo-extra.mp;
39
40 do_late_includes;
41
42
43
44 % This file contains leads for layout 5: horizontal vowel and empty tail.
45
46 transform lixf,loxf;
47
48 lixf=loxf=hxf((50,850),(950,325));
49
50
51
```

FF6

Hangul Choseong (Lead) Jamo

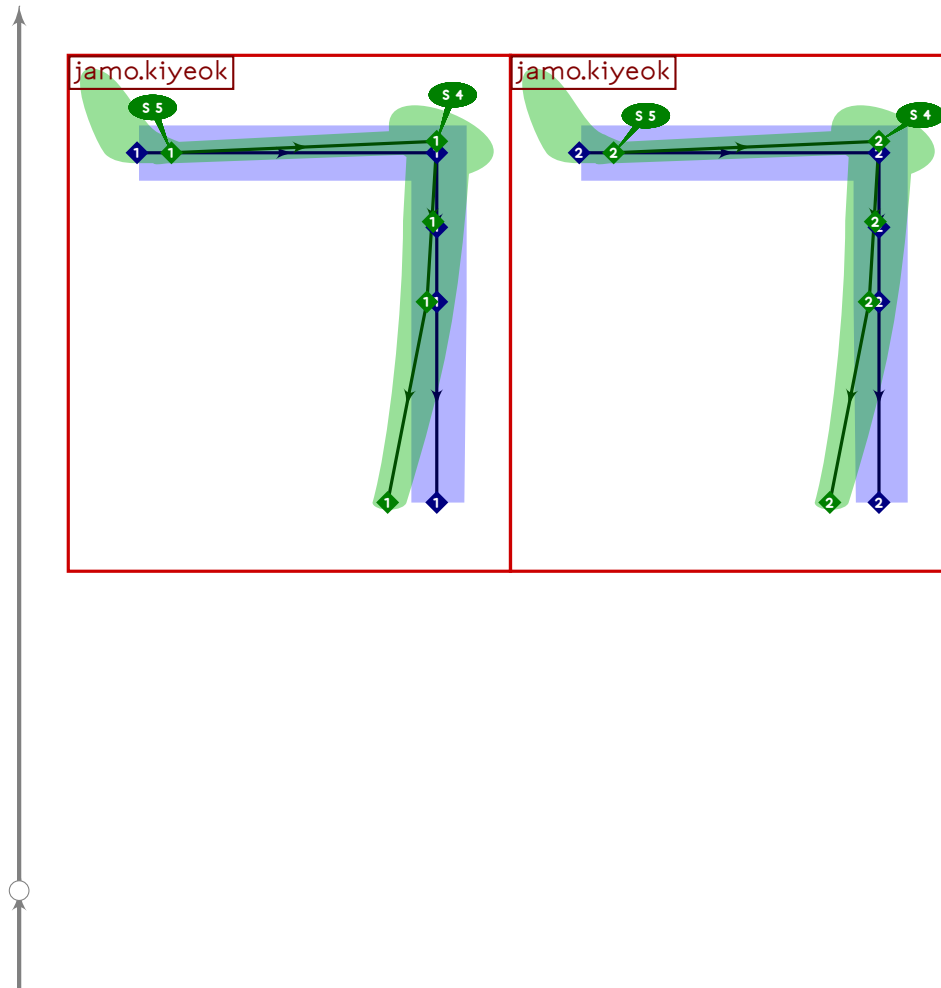
```
52 % HANGUL CHOSEONG (LEAD) JAMO
53
54 tsu_rescale_native_zero;
55
```

U+FF600
mande.uni1100.lj5



FF6

```
56 % hangul lead kiyeok
57 begint Suglyph("uni1100.lj5",0);
58   hangul.jamo.kiyeok(whatever,lixf,loxf);
59   tsu_render;
60 endtsuglyph;
61
```



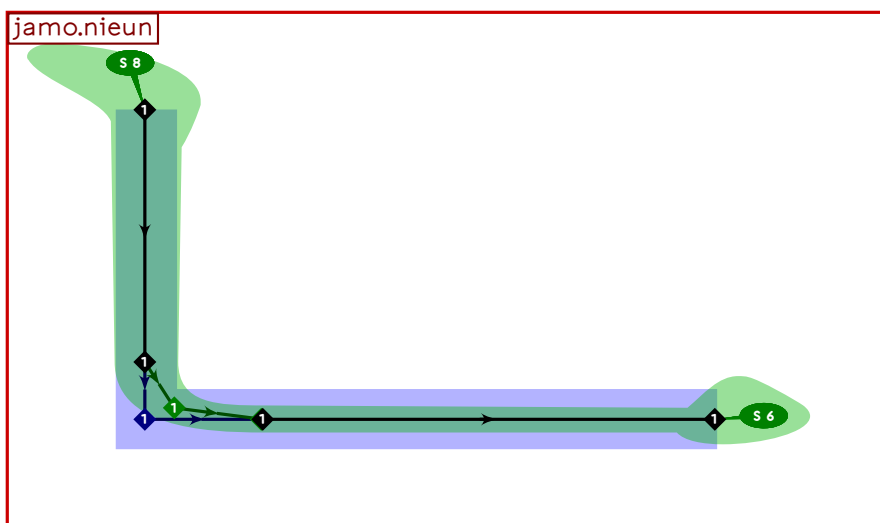
```

62 % hangul lead ssangkiyeok
63 begintsuglyph("uni1101.lj5";1);
64   hangul.combine.lr(100,100)(whatever,lixf,loxf);
65   tsu_render;
66 endtsuglyph;
67

```

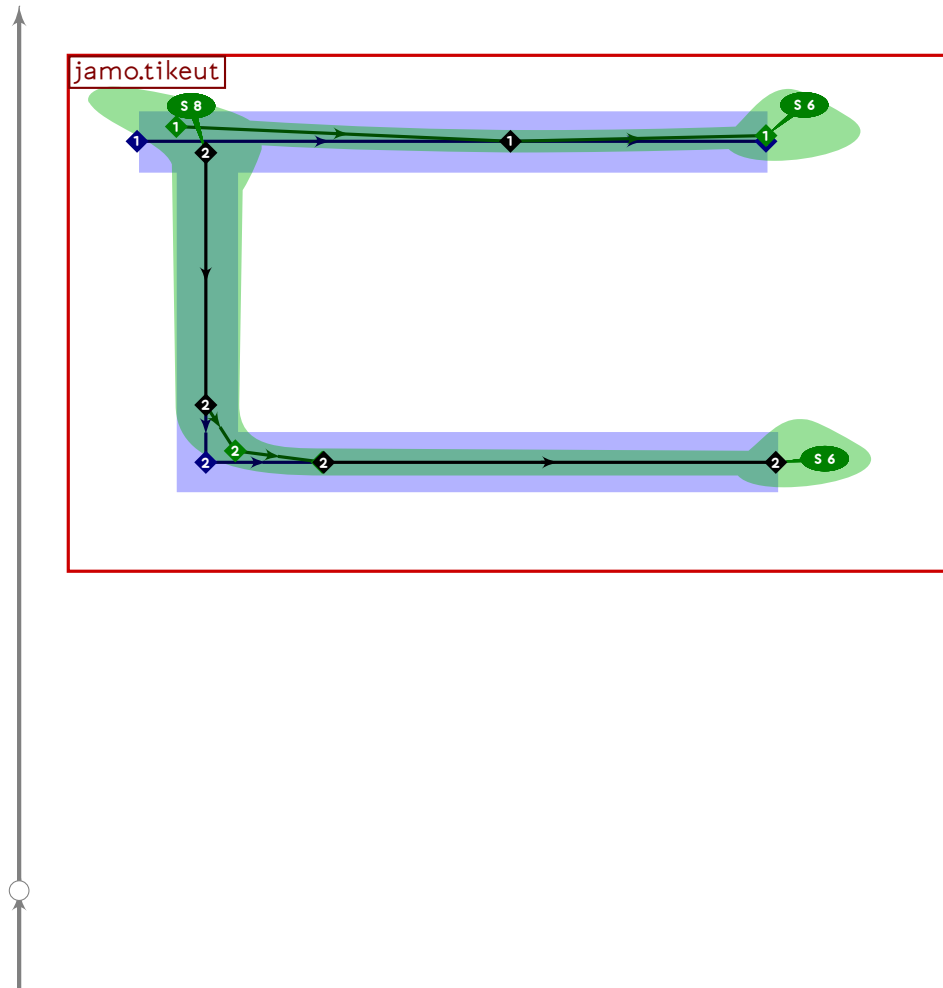
FF6

U+FF602
mande.uni1102.lj5



FF6

```
68 % hangul lead nieun
69 beginsuglyph("uni1102.lj5";2);
70 hangul.jamo.nieun(whatever,lixf,loxf);
71 tsu_render;
72 endsuglyph;
73
```

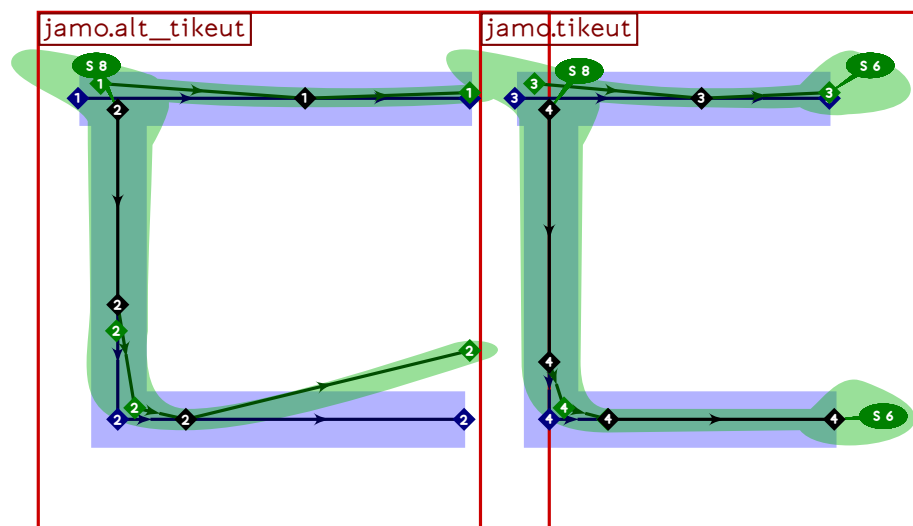



```

74 % hangul lead tikeut
75 beginsuglyph("uni1103.lj5";3);
76 hangul.jamo.tikeut(whatever,lixf,loxf);
77 tsu_render;
78 endsuglyph;
79

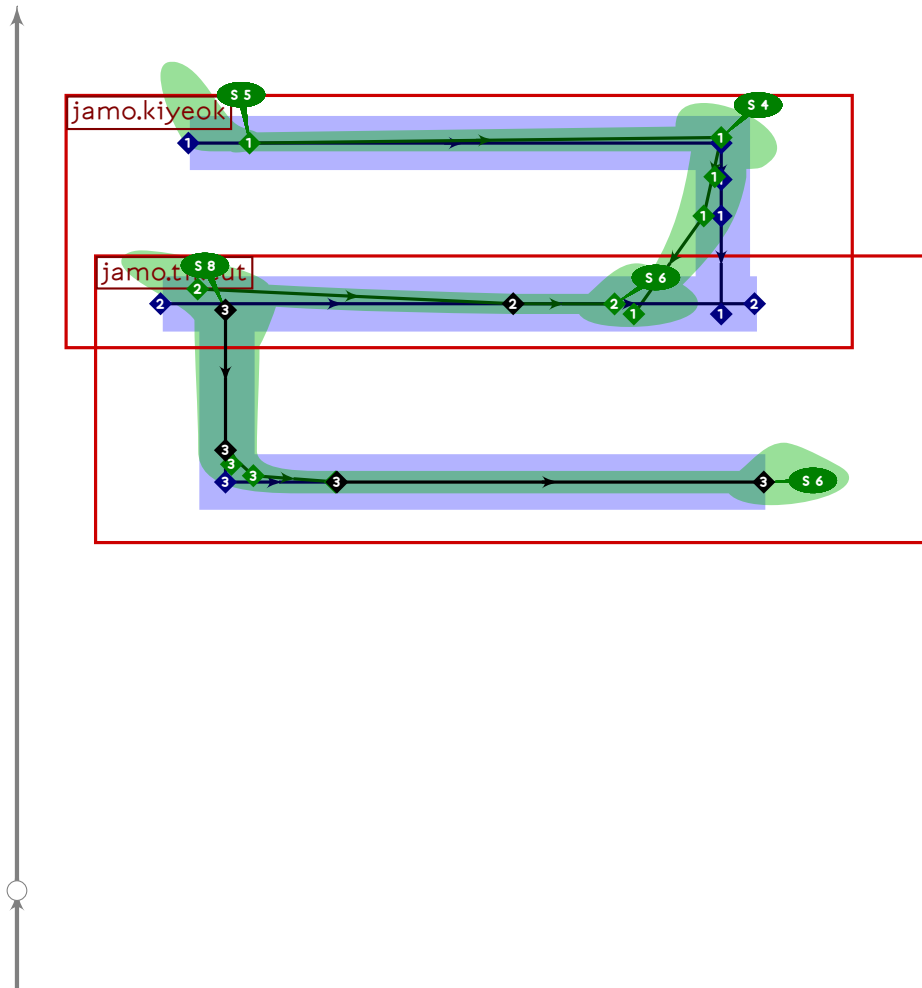
```

U+FF604
mande.uni1104.lj5



FF6

```
80 % hangul lead ssangtikeut
81 beginsuglyph("uni1104.lj5";4);
82   hangul.combine.lr(203,103)(whatever,lixf,loxf);
83   tsu_render;
84 endsuglyph;
85
```



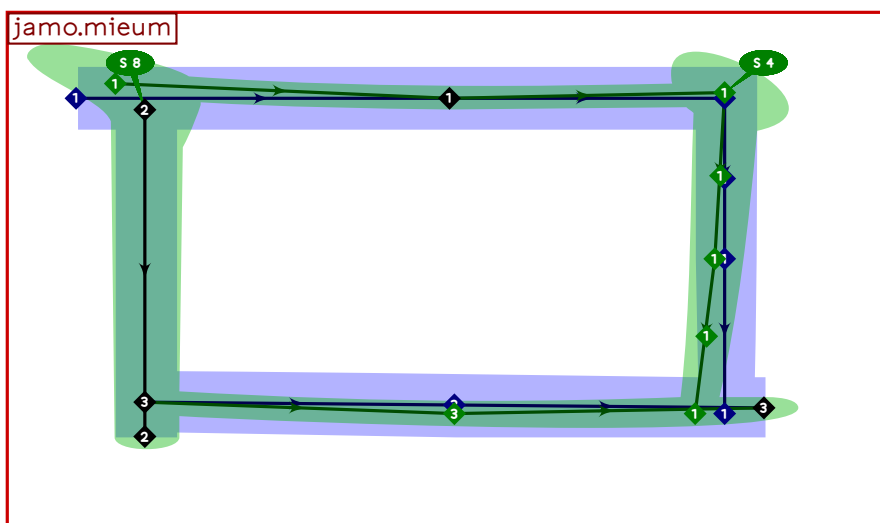
FF6

```

86 % hangul lead rieul
87 begintsuglyph("uni1105.lj5";5);
88   hangul.jamo.rieul(whatever,lixf,loxf);
89   tsu_render;
90 endtsuglyph;
91

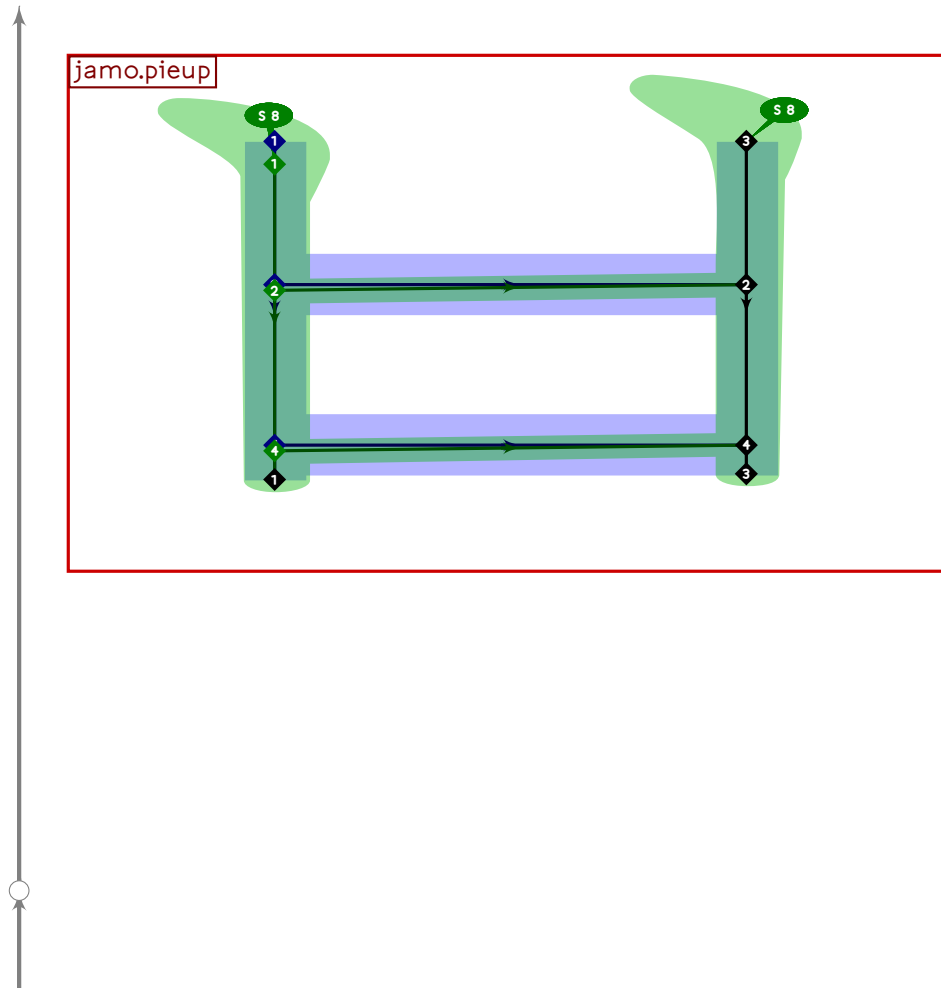
```

U+FF606
mande.uni1106.lj5



FF6

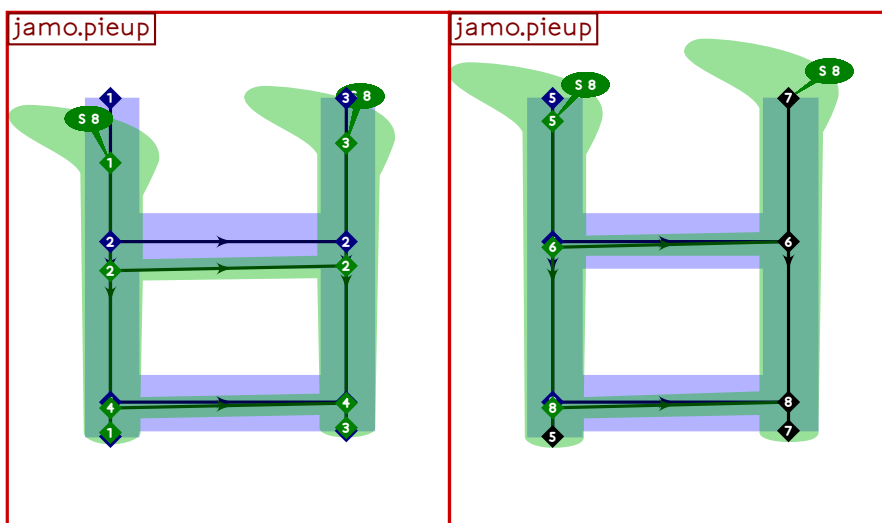
```
92 % hangul lead mieum
93 beginsuglyph("uni1106.lj5",6);
94   hangul.jamo.mieum(whatever,lixf,loxf);
95   tsu_render;
96 endsuglyph;
97
```



```
98 % hangul lead pieup
99 begintsuglyph("uni1107.lj5";7);
100 hangul.jamo.pieup(whatever,lixf,loxf);
101 tsu_render;
102 endtsuglyph;
103
```

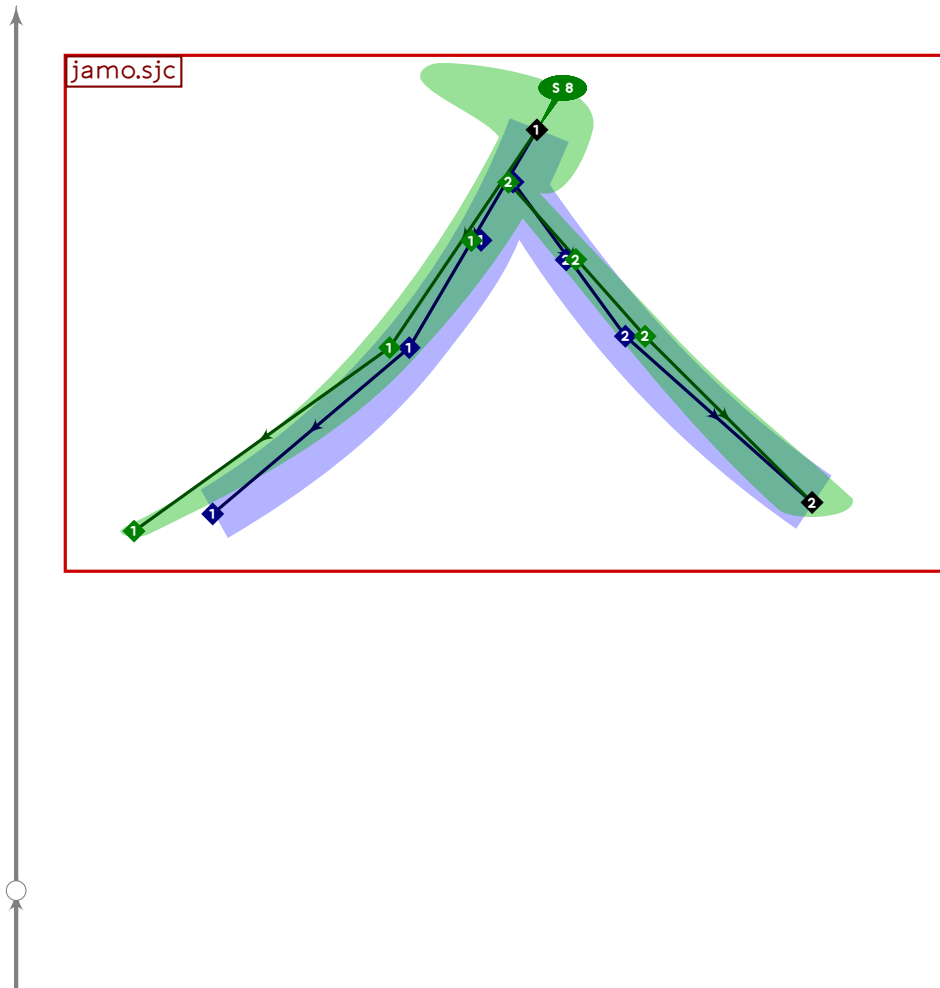
FF6

U+FF608
mande.uni1108.lj5



FF6

```
104 % hangul lead ssangpieup
105 begint Suglyph("uni1108.lj5";8);
106   hangul.combine.lr(207,107)(whatever,lixf,loxf);
107   tsu_render;
108 endtsuglyph;
109
```

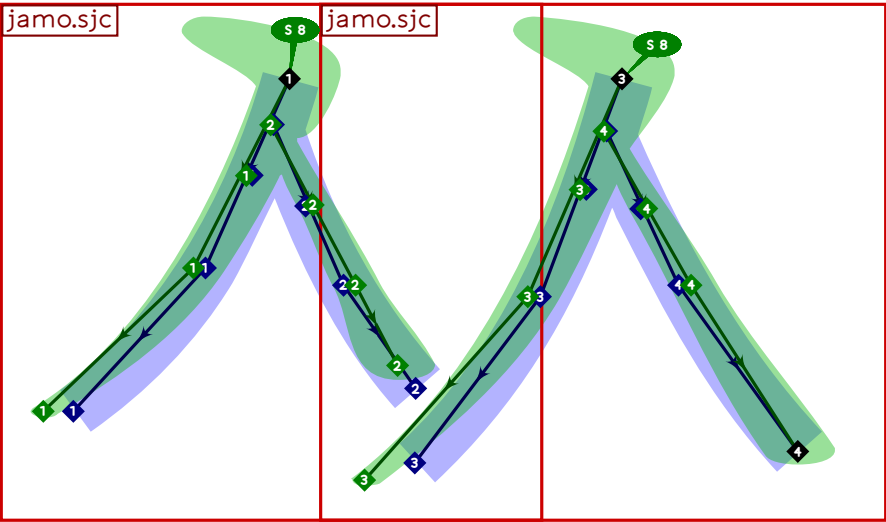


```
110 % hangul lead sios
111 begintsuglyph("uni1109.lj5";9);
112   hangul.jamo.sjc(0,0,false)(whatever,lixf,loxf);
113   tsu_render;
114 endsuglyph;
115
```

FF6

U+FF60A

mande.uni110A.lj5

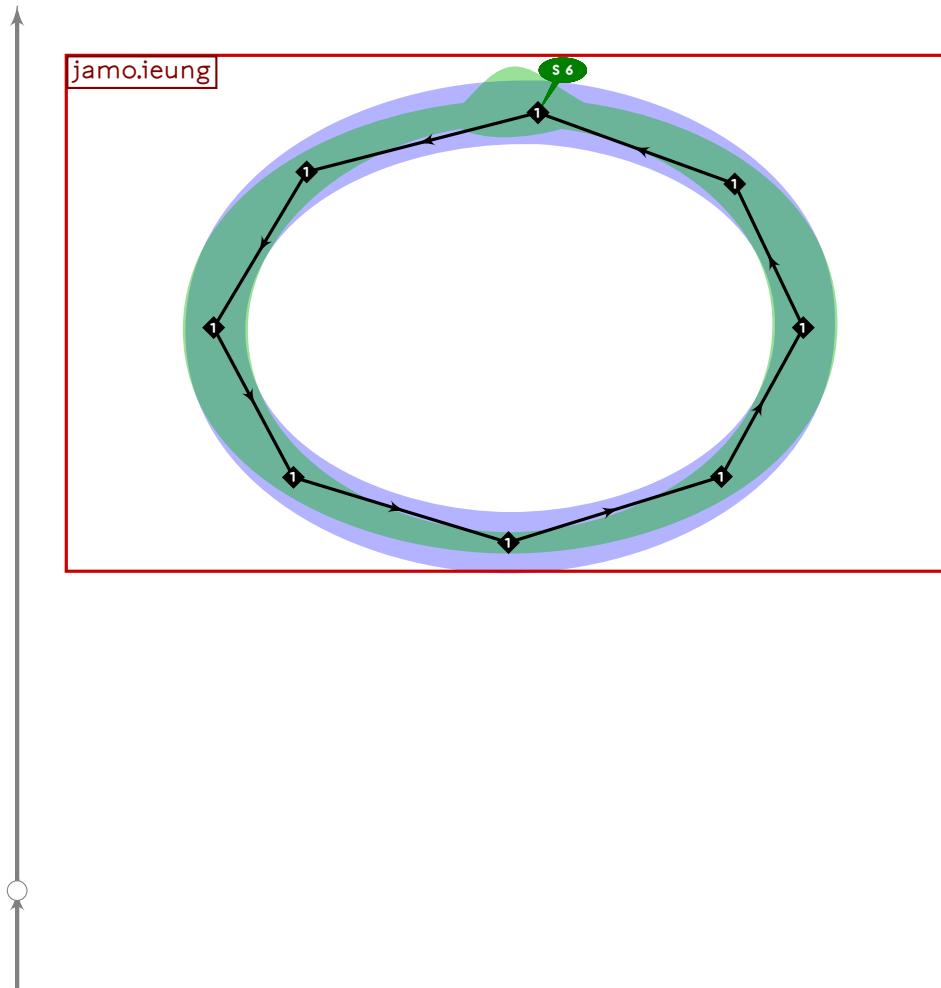


FF6

```

116 % hangul lead ssangsios
117 begintsuglyph("uni110A.lj5",10);
118   hangul.combine.lr(209,109)(whatever,lixf,loxf);
119   tsu__render;
120 endsuglyph;
121

```

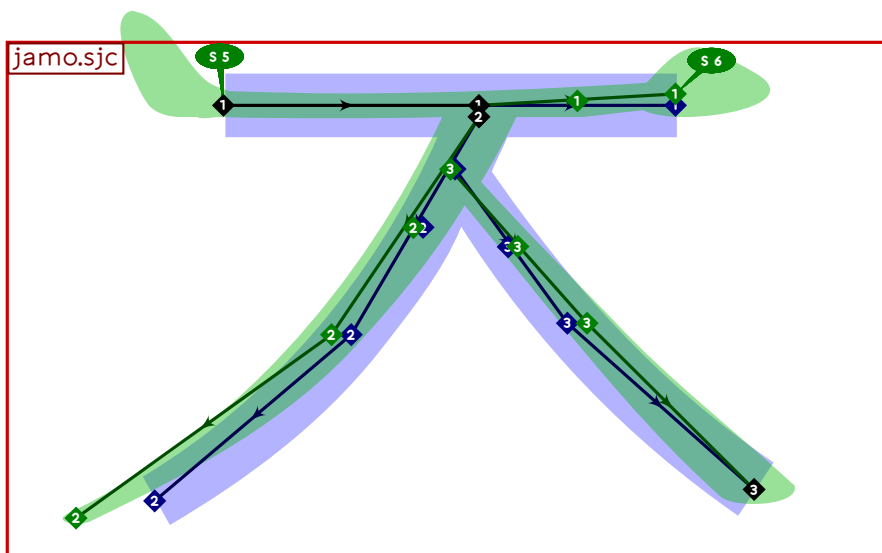



```
122 % hangul lead ieung
123 beginsuglyph("uni110B.lj5";11);
124   hangul.jamo.ieung(whatever,lixf,loxf);
125   tsu_render;
126 endsuglyph;
127
```

FF6

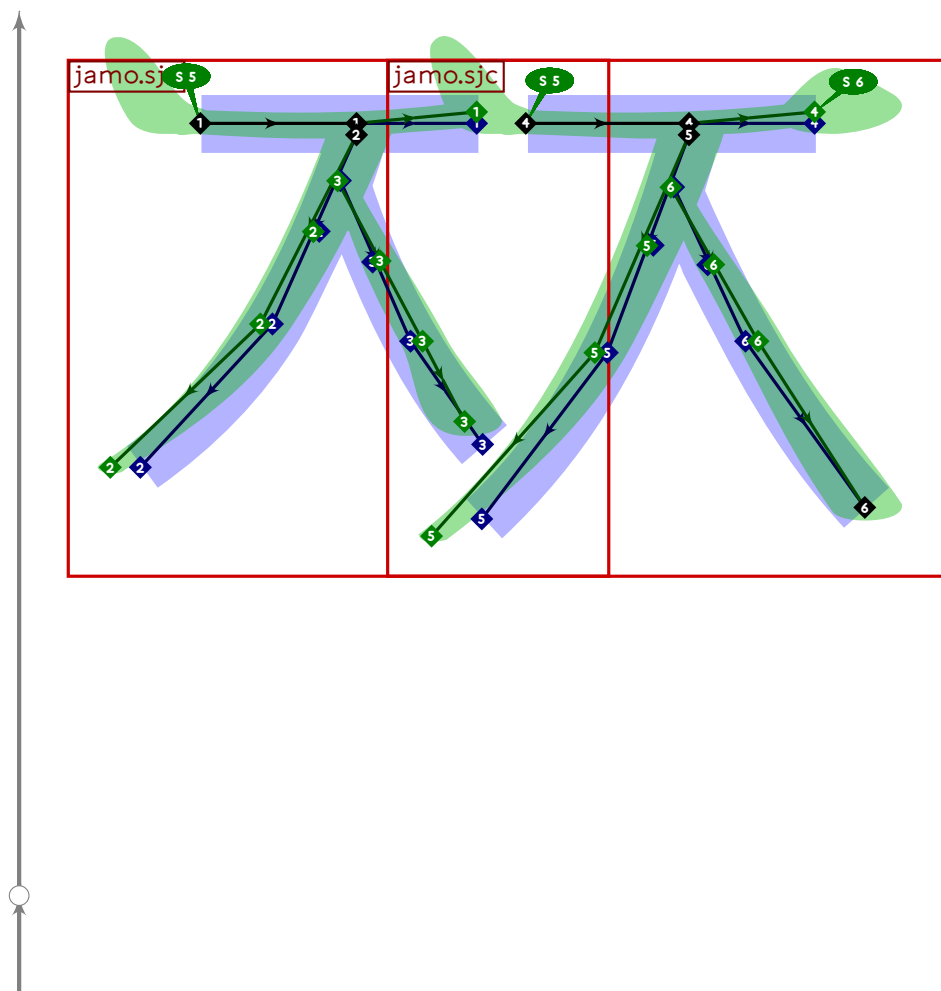
U+FF60C
mande.uni110C.lj5

jamo.sjc



FF6

```
128 % hangul lead cieuc
129 beginsuglyph("uni110C.lj5",12);
130 hangul.jamo.sjc(1,0,false)(whatever,lixf,loxf);
131 tsu_render;
132 endsuglyph;
133
```



```

134 % hangul lead ssangcieuc
135 begint Suglyph("uni110D.lj5",13);
136 hangul.combine.lr(212,112)(whatever,lixf,loxf);
137 tsu_render;
138 endtsuglyph;
139

```

FF6

U+FF60E

mande.uni110E.lj5



FF6

140 % hangul lead chieuch

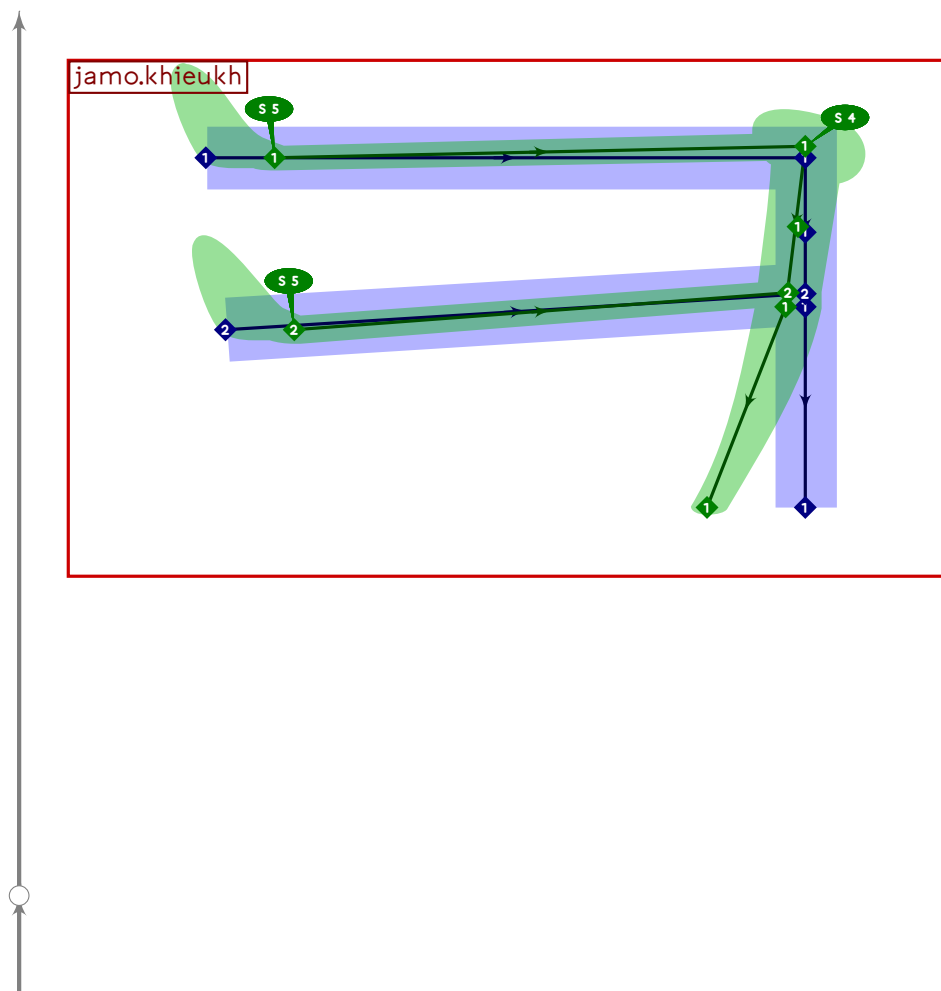
```
141 begintsuglyph("uni110E.lj5",14);
```

```
142 hangul.jamo.sjc(2,0,false)(whatever,lixf,loxf);
```

```
143     tsu_render;
```

```
144 endtsuglyph;
```

145



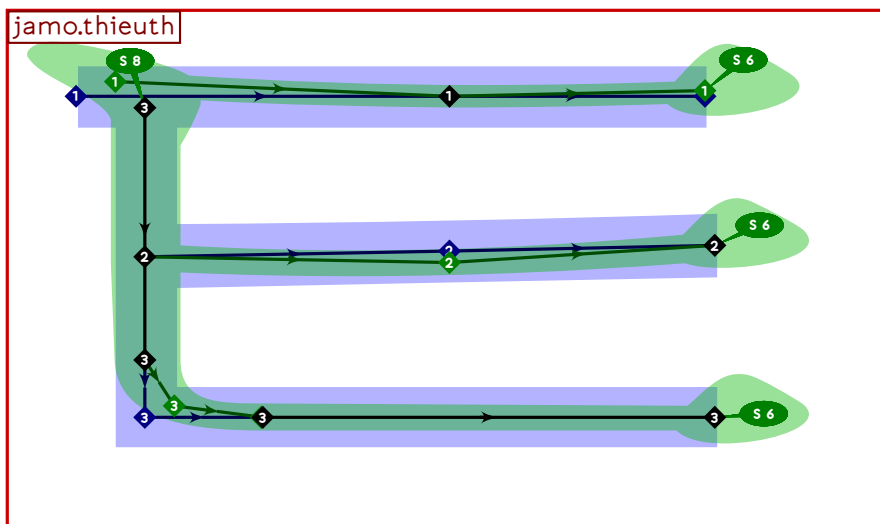
FF6

```

146 % hangul lead khieukh
147 begint Suglyph("uni110F.lj5";15);
148 hangul.jamo.khieukh(whatever,lixf,loxf);
149 tsu_render;
150 endtsuglyph;
151

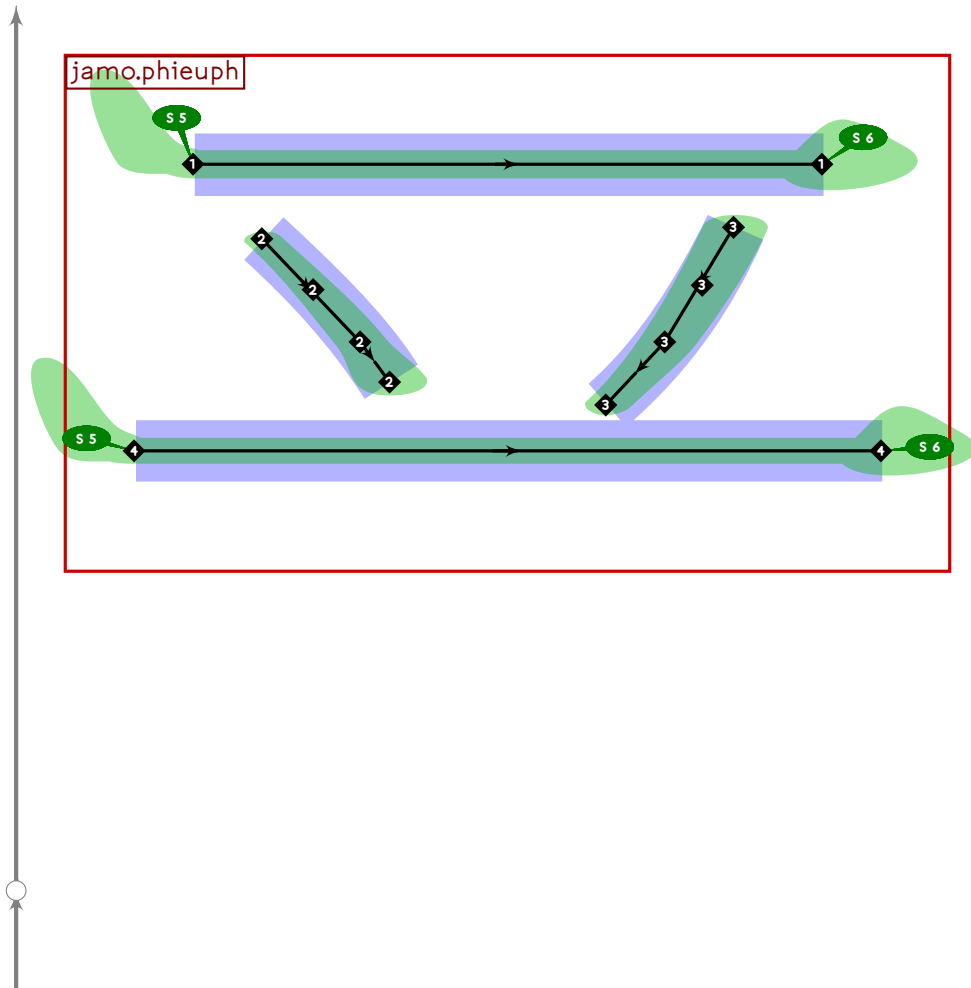
```

U+FF610
mande.uni1110.lj5



FF6

```
152 % hangul lead thieuth
153 beginsuglyph("uni1110.lj5",16);
154 hangul.jamo.thieuth(whatever,lixf,loxf);
155 tsu_render;
156 endsuglyph;
157
```



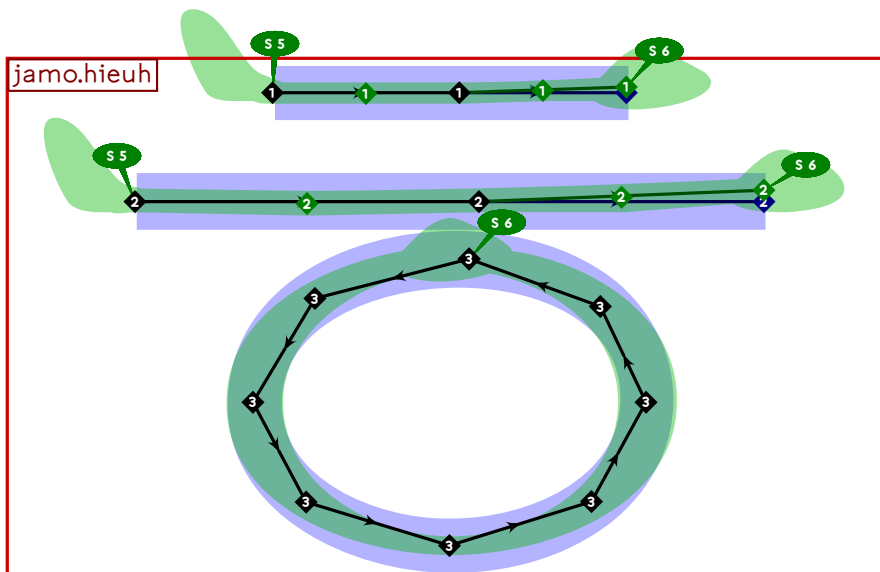
FF6

```

158 % hangul lead phieuph
159 begint Suglyph("uni1111.lj5";17);
160 hangul.jamo.phieuph(whatever,lixf,loxf);
161 tsu_render;
162 endtsuglyph;
163

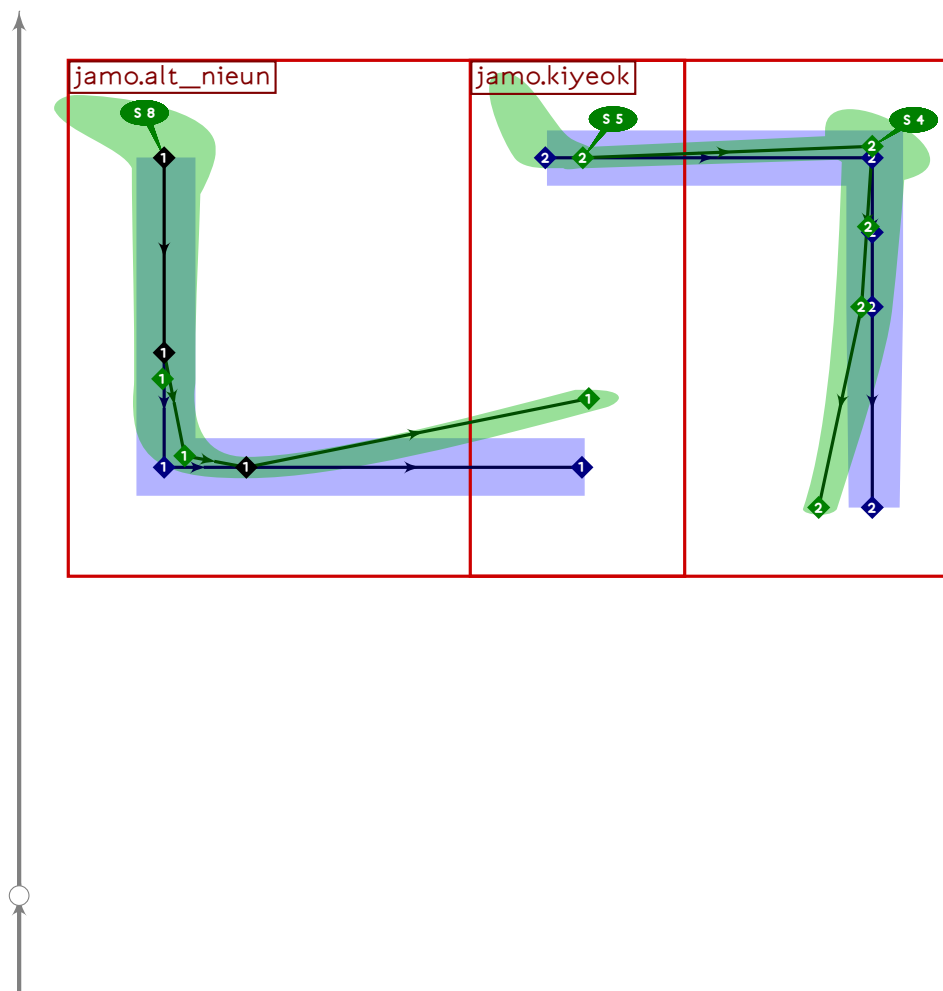
```

U+FF612
mande.uni1112.lj5



FF6

```
164 % hangul lead hieuh
165 beginsuglyph("uni1112.lj5",18);
166   hangul.jamo.hieuh(whatever,lixf,loxf);
167   tsu_render;
168 endsuglyph;
169
```

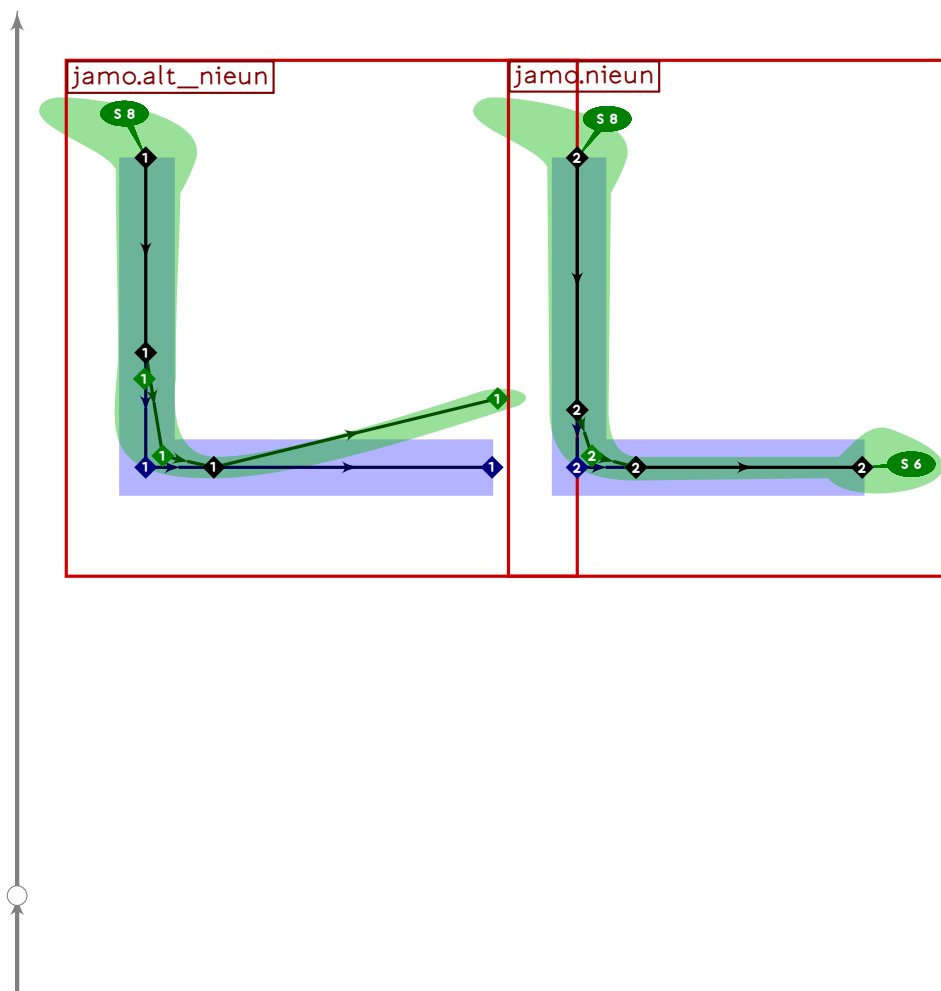
FF6

```

170 % hangul lead nieun-kiyeok
171 beginsuglyph("uni1113.lj5",19);
172   hangul.combine.lr(202,100)(whatever,lixf,loxf);
173   tsu_render;
174 endsuglyph;
175

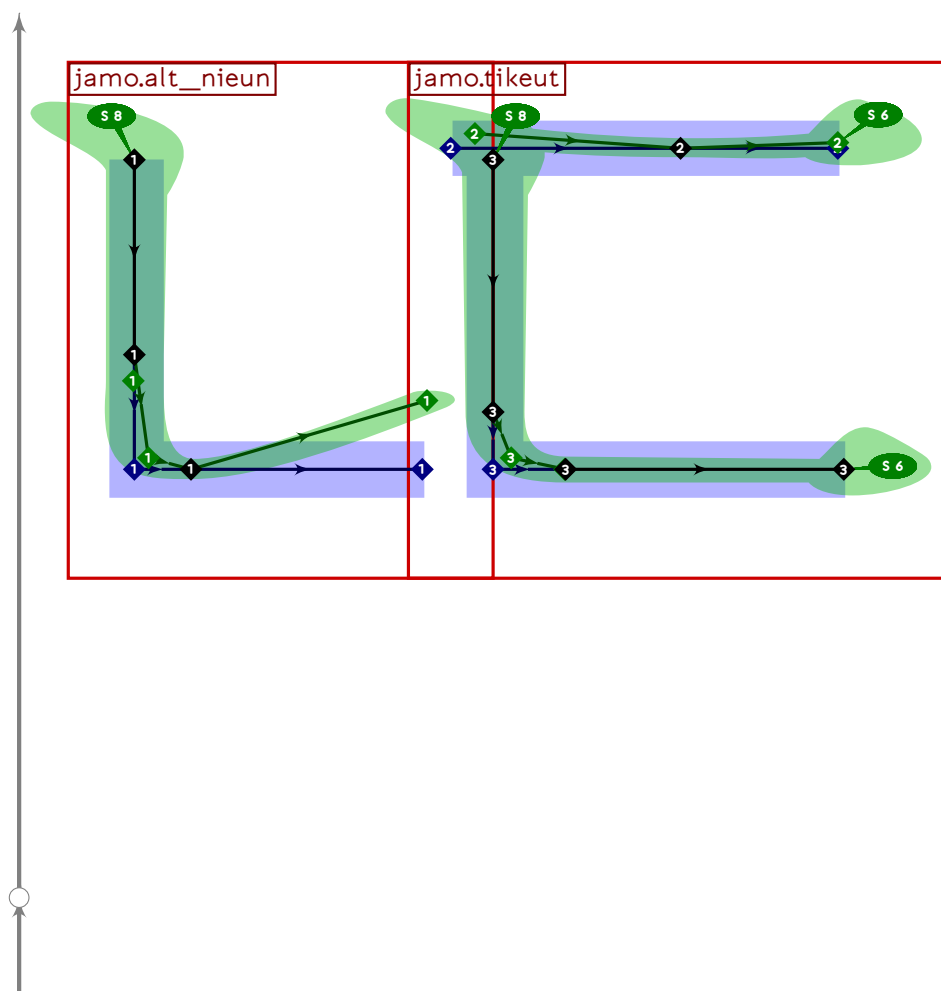
```

U+FF614
mande.uni1114.lj5



FF6

```
176 % hangul lead ssangnieun
177 begintsuglyph("uni1114.lj5",20);
178 hangul.combine.lr(202,102)(whatever,lixf,loxf);
179 tsu_render;
180 endtsuglyph;
181
```



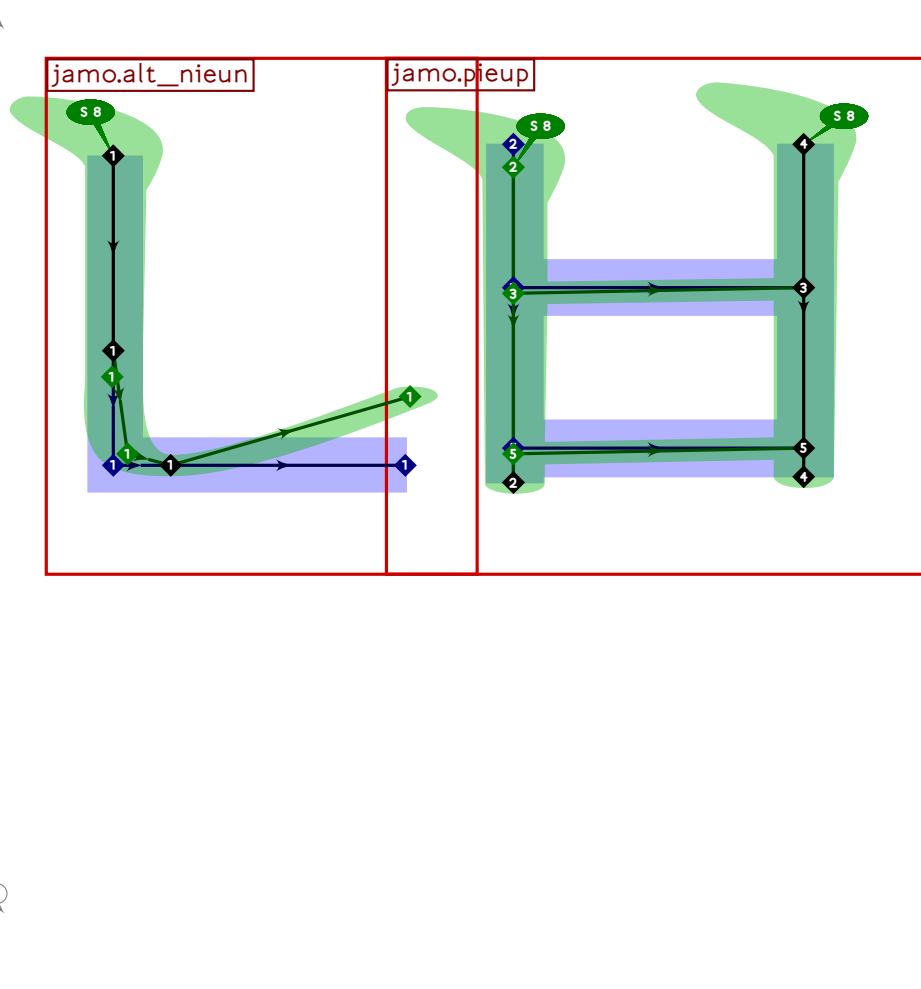
```

182 % hangul lead nieun-tikeut
183 begint Suglyph("uni1115.lj5",21);
184   hangul.combine.lr(202,103)(whatever,lixf,loxf);
185   tsu_render;
186 endtsuglyph;
187

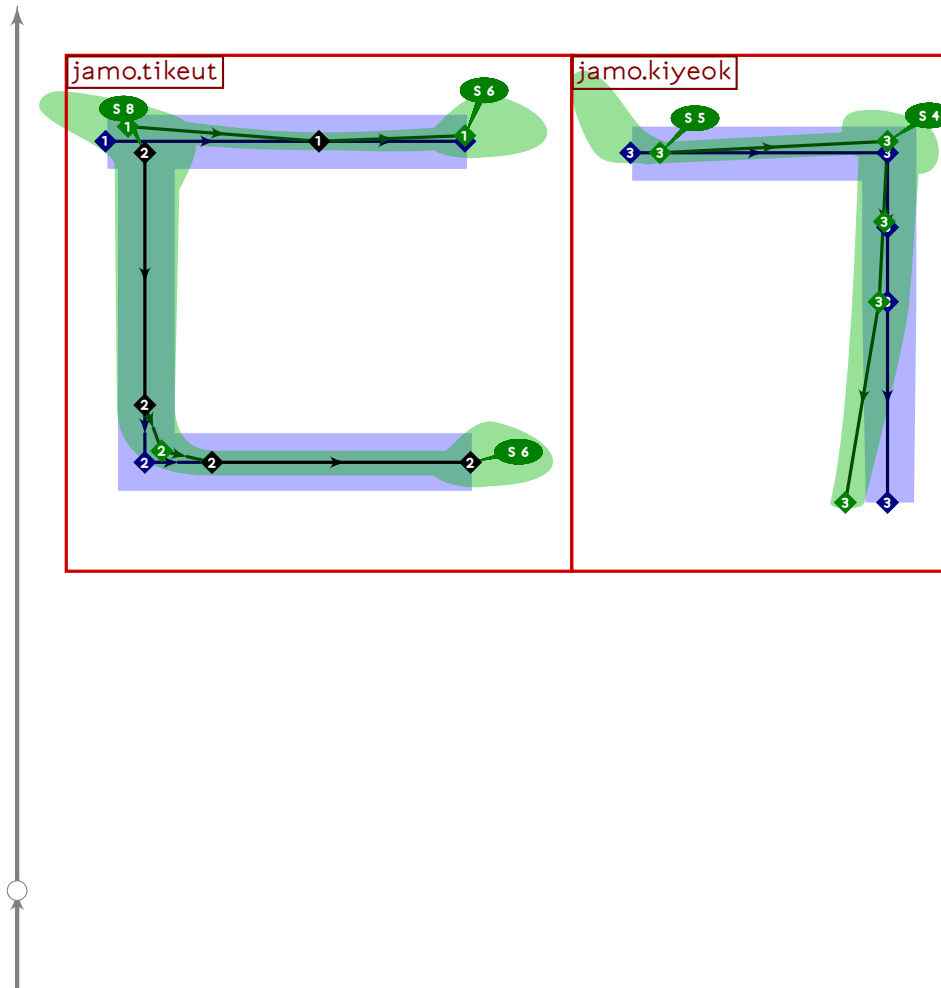
```

FF6

U+FF616
mande.uni1116.lj5



```
188 % hangul lead nieun-pieup
189 beginsuglyph("uni1116.lj5",22);
190 hangul.combine.lr(202,107)(whatever,lixf,loxf);
191 tsu_render;
192 endtsuglyph;
193
```



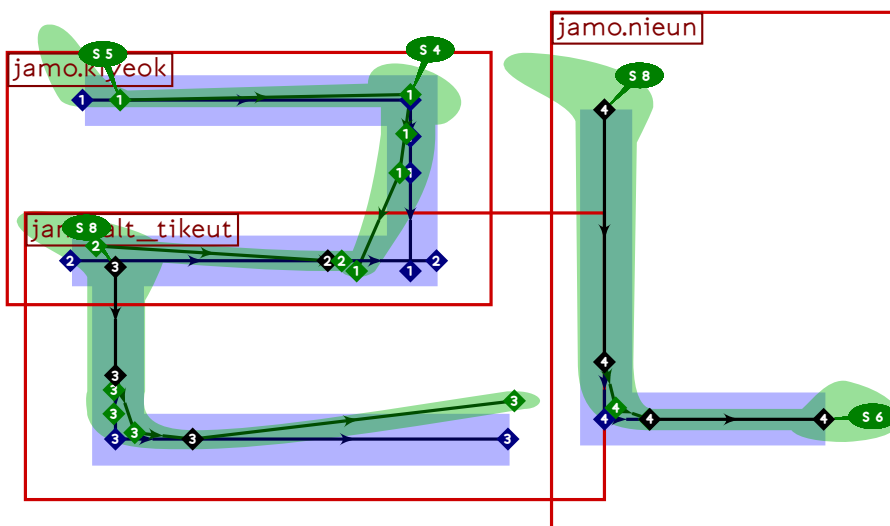
FF6

```

194 % hangul lead tikeut-kiyeok
195 beginsuglyph("uni1117.lj5";23);
196 hangul.combine.lr(103,100)(whatever,lixf,loxf);
197 tsu_render;
198 endsuglyph;
199

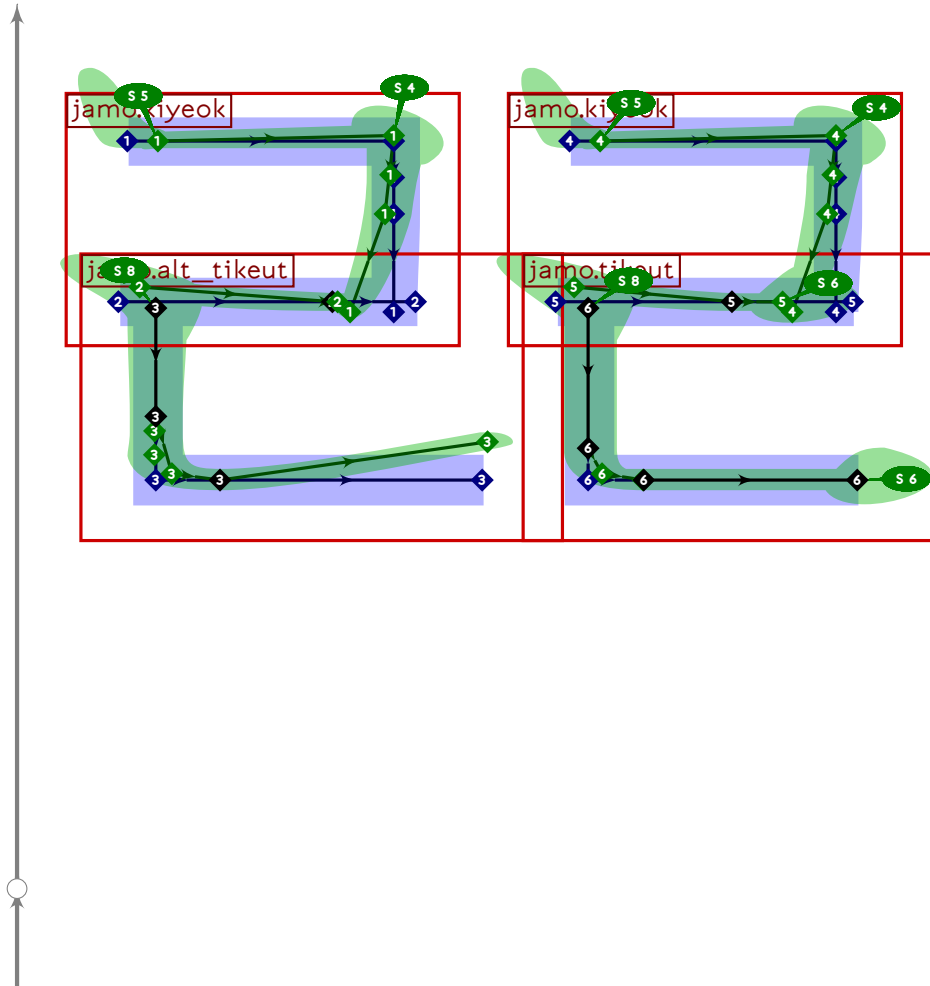
```

U+FF618
mande.uni1118.lj5



FF6

```
200 % hangul lead rieul-nieun
201 beginsuglyph("uni1118.lj5";24);
202   hangul.combine.lr(205,102)(whatever,lixf,loxf);
203   tsu_render;
204 endsuglyph;
205
```



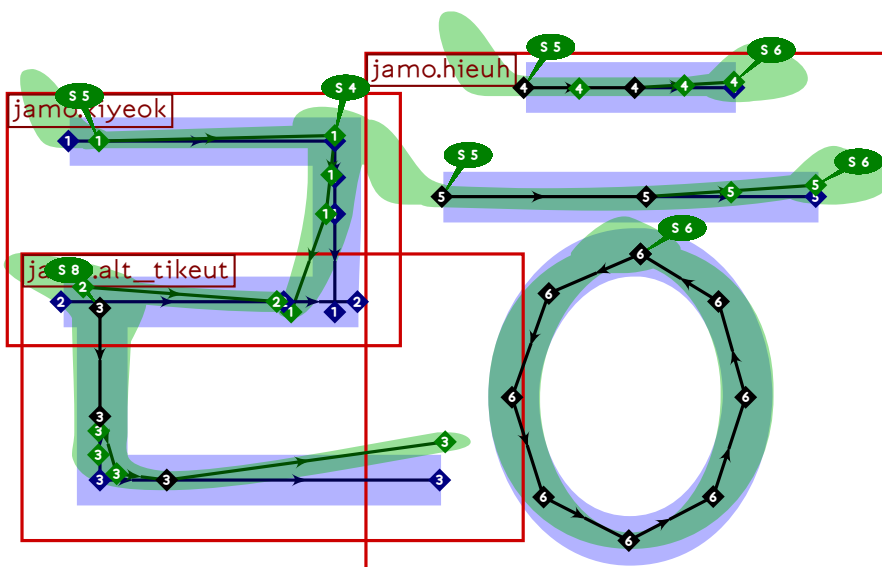
FF6

```

206 % hangul lead ssangrieul
207 begint Suglyph("uni1119.lj5",25);
208   hangul.combine.lr(205,105)(whatever,lixf,loxf);
209   tsu_render;
210 endtsuglyph;
211

```

U+FF61A
mande.uni111A.lj5

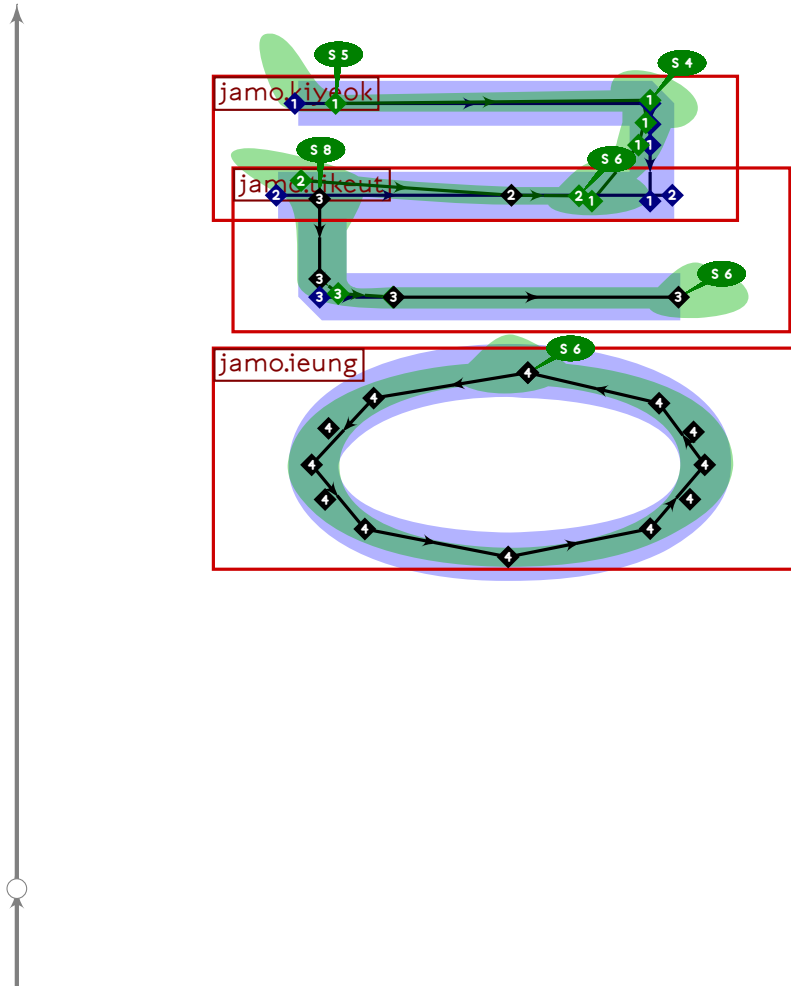


FF6

```

212 % hangul lead rieul-hieuh
213 beginsuglyph("uni111A.lj5";26);
214   hangul.combine.lr(205,118)(whatever,lixf,loxf);
215   tsu_render;
216 endsuglyph;
217

```

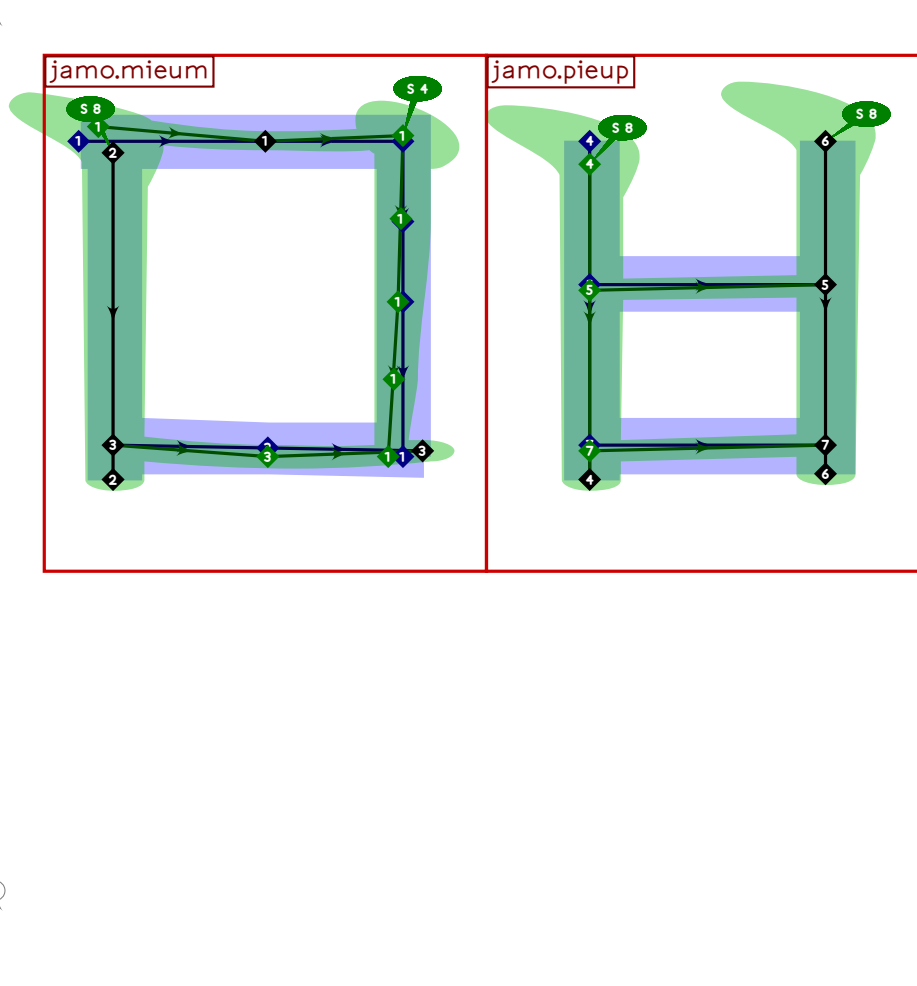
FF6

```

218 % hangul lead kapyeounrieul
219 beginsuglyph("uni111B.lj5";27);
220 hangul.combine.tb(105,521)(whatever,
221   hxf((200,850),(800,-50)) transformed lixf,loxf);
222 tsu_render;
223 endsuglyph;
224

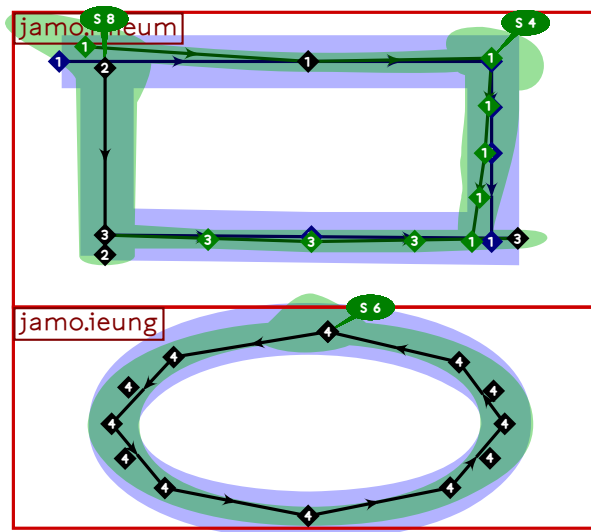
```

U+FF61C
mande.uni111C.lj5



FF6

```
225 % hangul lead mieum-pieup
226 begint Suglyph("uni111C.lj5";28);
227   hangul.combine.lr(106,107)(whatever,lixf,loxf);
228   tsu_render;
229 endtsuglyph;
230
```

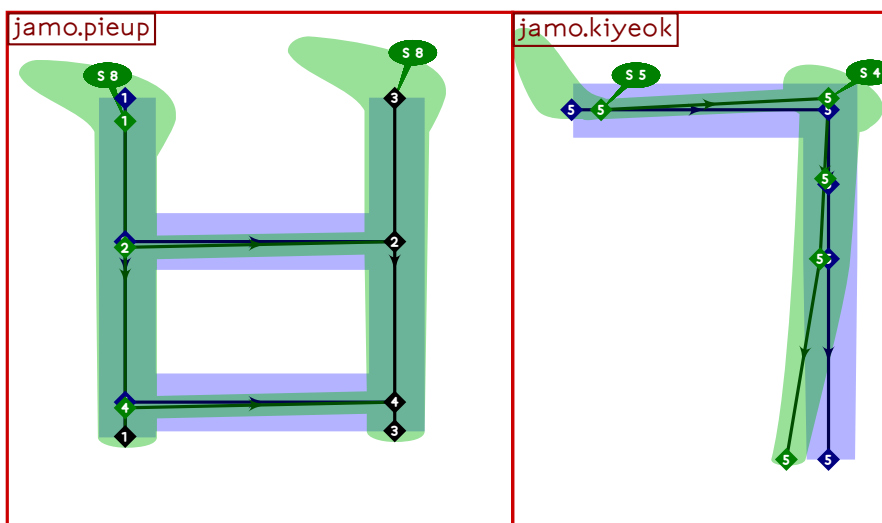


```

231 % hangul lead kapyeounmieum
232 begintsuglyph("uni111D.lj5";29);
233   hangul.combine.tb(106,521)(whatever,
234     hxf((200,850),(800,-50)) transformed lixf,loxf);
235   tsu_render;
236 endtsuglyph;
237

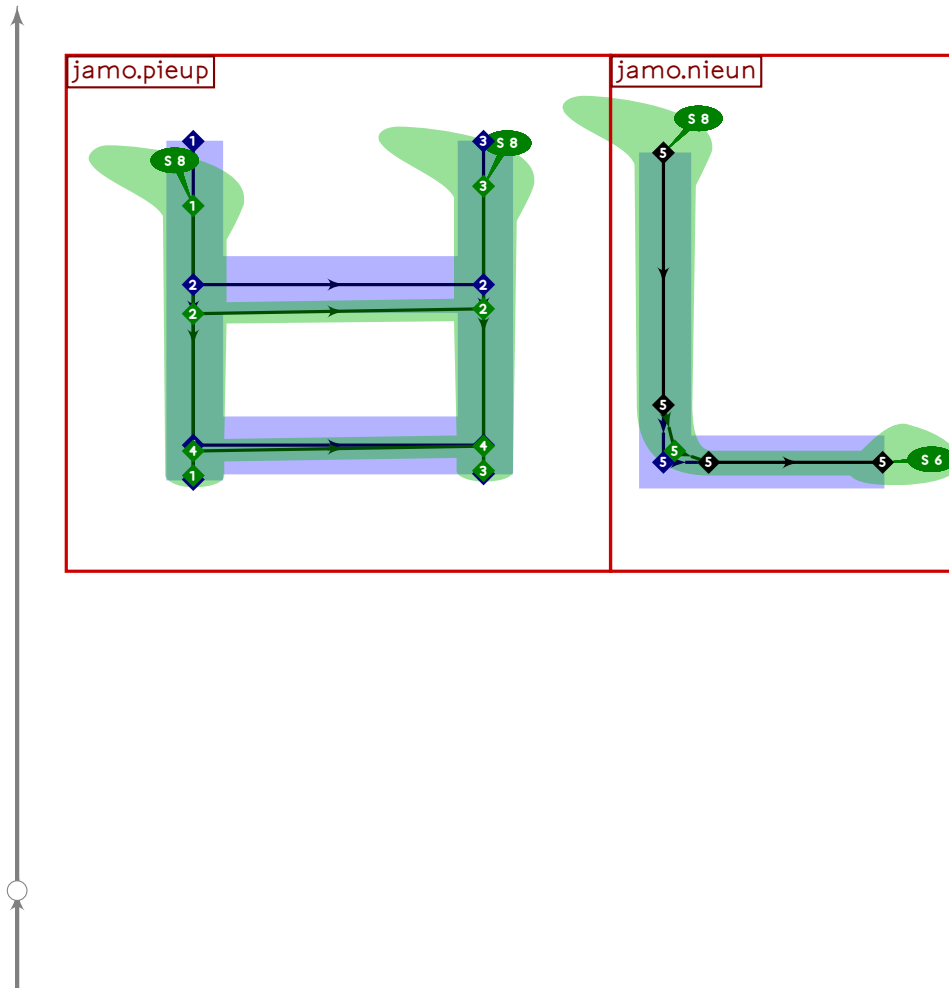
```

U+FF61E
mande.uni111E.lj5



FF6

```
238 % hangul lead pieup-kiyeok
239 begint Suglyph("uni111E.lj5";30);
240 hangul.combine.lr(107,100)(whatever,lixf,loxf);
241 tsu_render;
242 endtsuglyph;
243
```

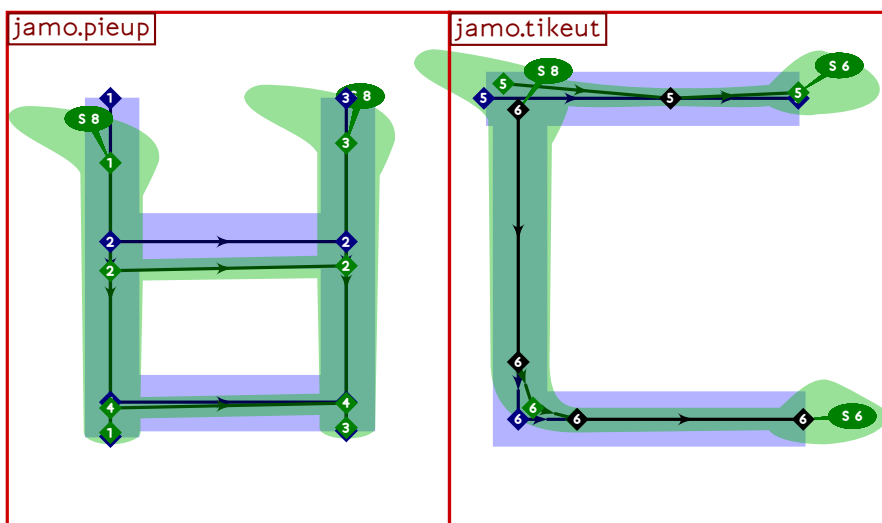


```

244 % hangul lead pieup-nieun
245 begintsuglyph("uni111F.lj5",31);
246 hangul.combine.lr(207,102)(whatever,lixf,loxf);
247 tsu_render;
248 endsuglyph;
249

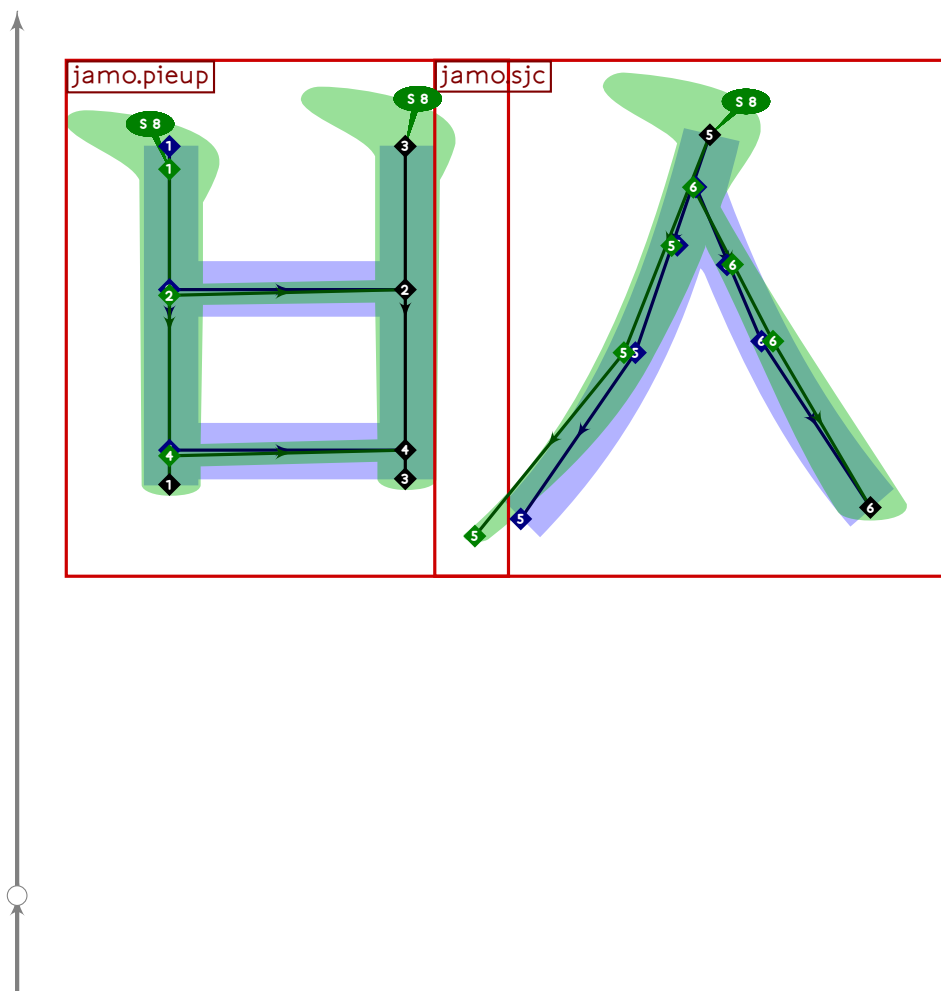
```

U+FF620
mande.uni1120.lj5



FF6

```
250 % hangul lead pieup-tikeut
251 begint Suglyph("uni1120.lj5";32);
252   hangul.combine.lr(207,103)(whatever,lixf,loxf);
253   tsu_render;
254 endtsuglyph;
255
```

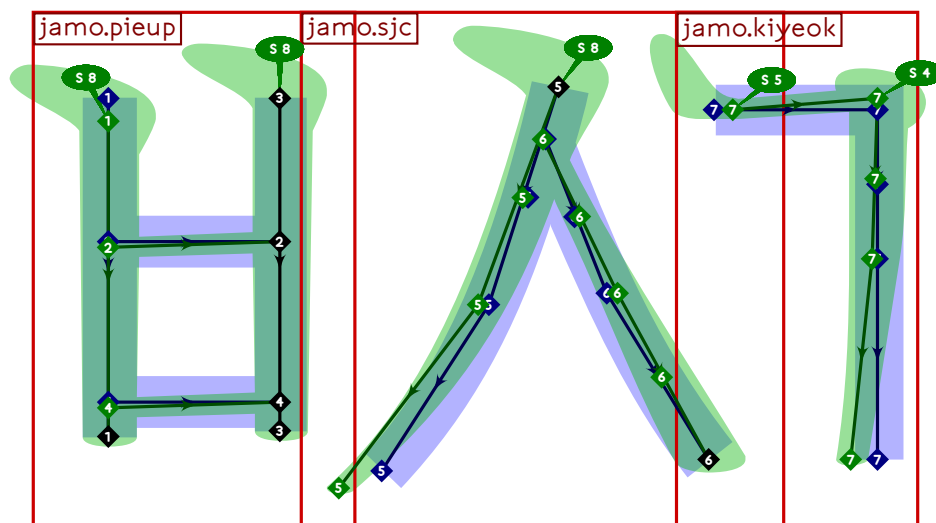


```

256 % hangul lead pieup-sios
257 begint Suglyph("uni1121.lj5",33);
258   hangul.combine.lr(107,109)(whatever,lixf,loxf);
259   tsu_render;
260 endtsuglyph;
261

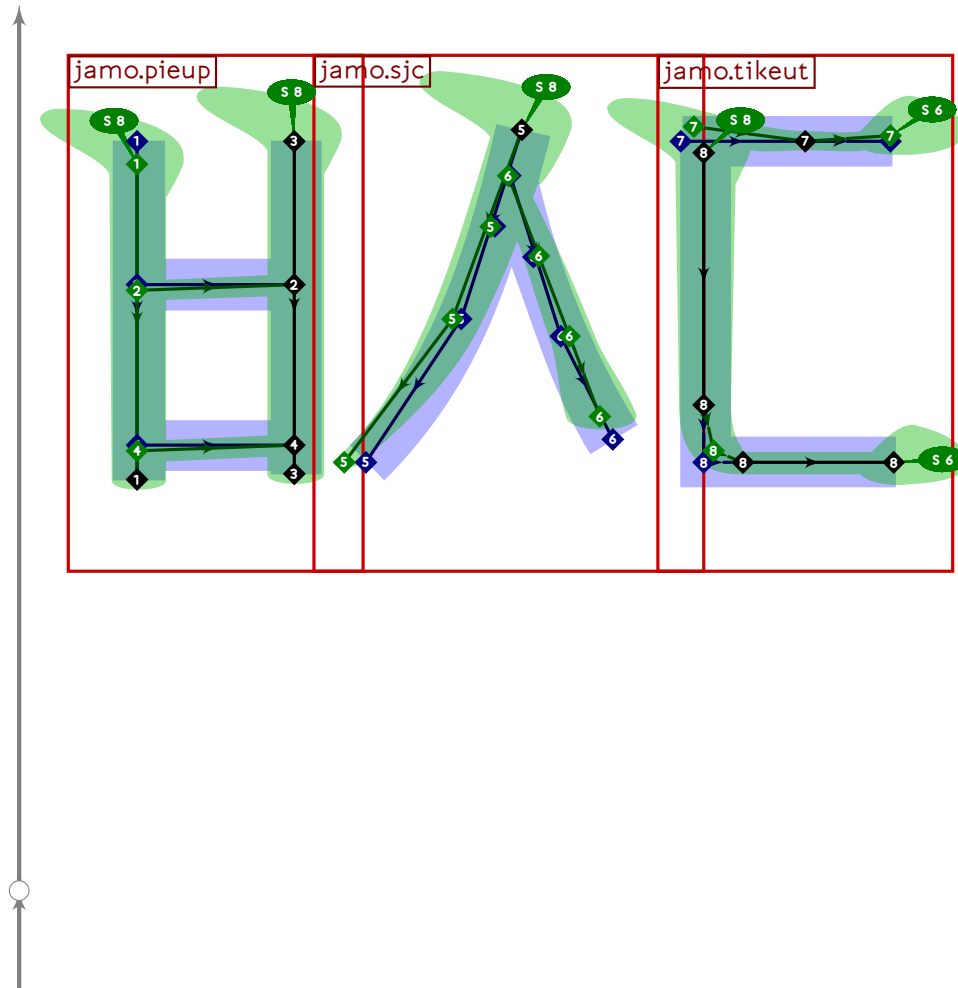
```

U+FF622
mande.uni1122.lj5



FF6

```
262 % hangul lead pieup-sios-kiyeok
263 begint Suglyph("uni1122.lj5";34);
264   hangul.combine.lcr(107,109,100)(whatever,lix,loxf);
265   tsu_render;
266 endtsuglyph;
267
```

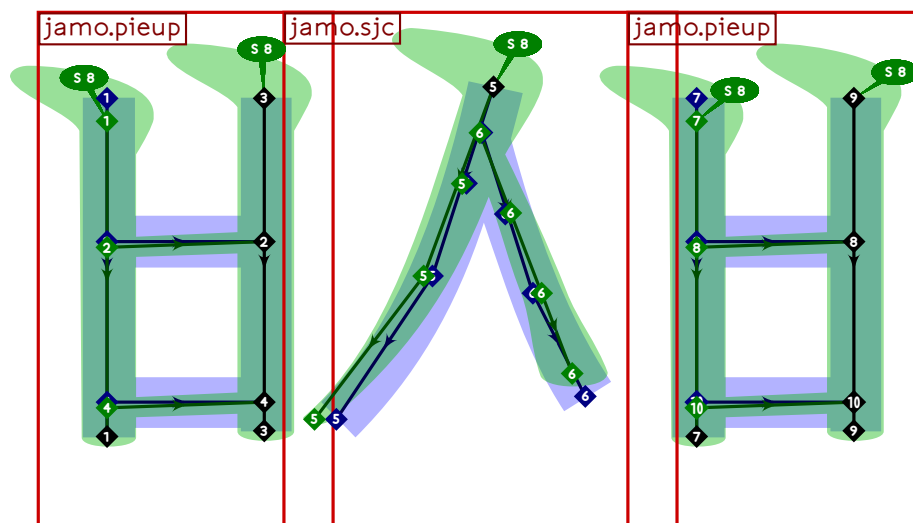
FF6

```

268 % hangul lead pieup-sios-tikeut
269 begintsuglyph("uni1123.lj5";35);
270 hangul.combine.lcr(107,209,103)(whatever,lixf,loxf);
271 tsu_render;
272 endtsuglyph;
273

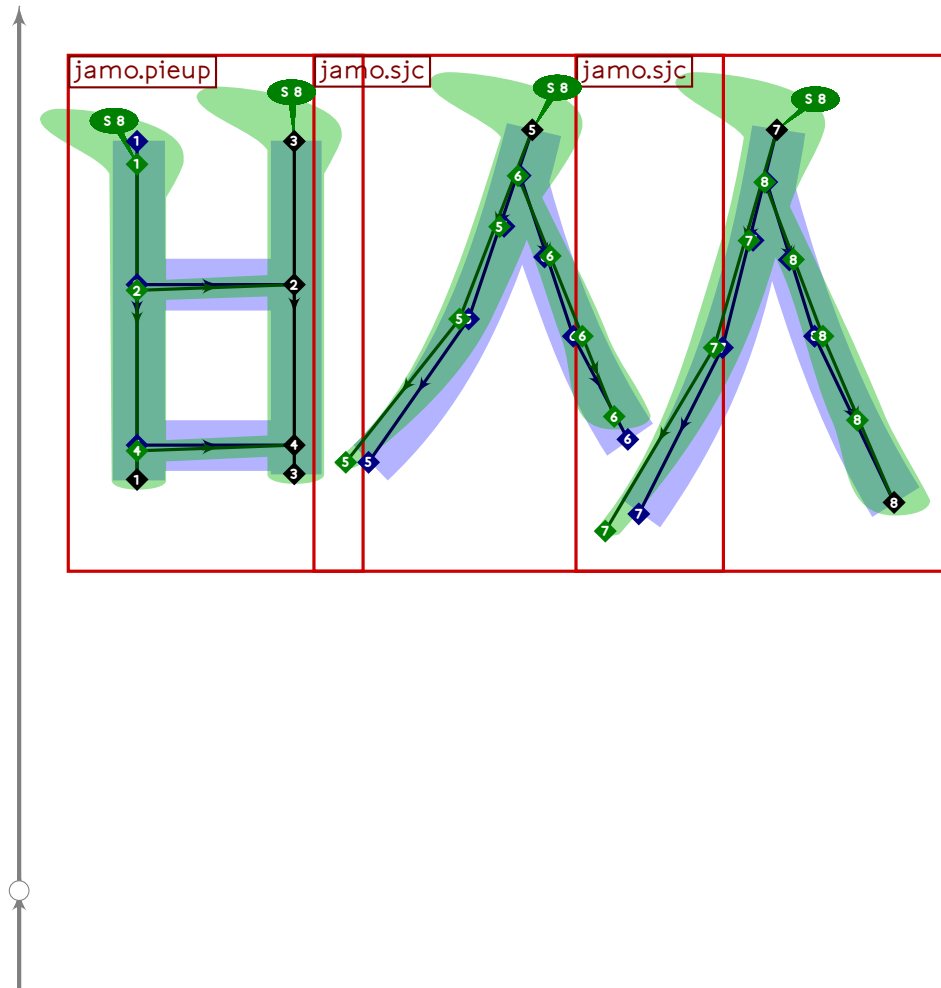
```

U+FF624
mande.uni1124.lj5



FF6

```
274 % hangul lead pieup-sios-pieup
275 begintsuglyph("uni1124.lj5";36);
276   hangul.combine.lcr(107,209,107)(whatever,lixf,loxf);
277   tsu_render;
278 endtsuglyph;
279
```

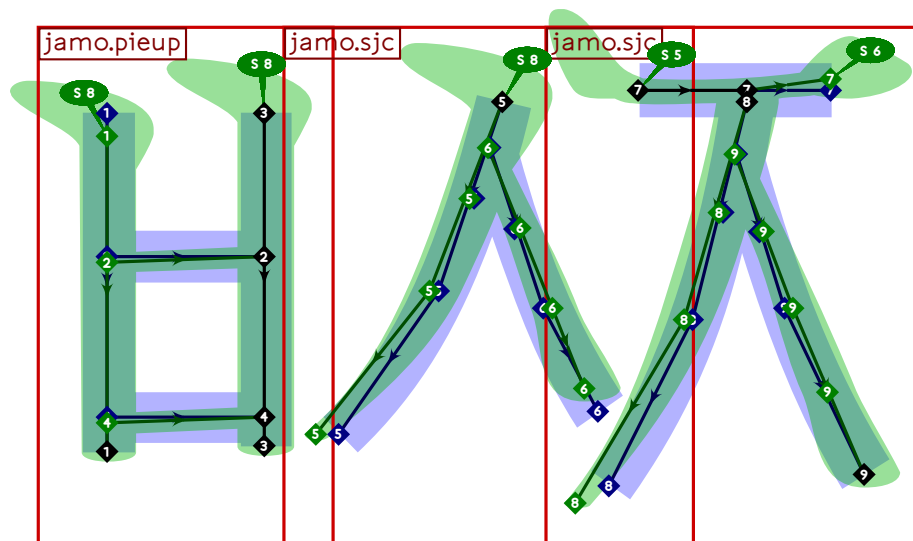


```

280 % hangul lead pieup-ssangsios
281 begint Suglyph("uni1125.lj5";37);
282   hangul.combine.lcr(107,209,109)(whatever,lixf,loxf);
283   tsu_render;
284 endtsuglyph;
285

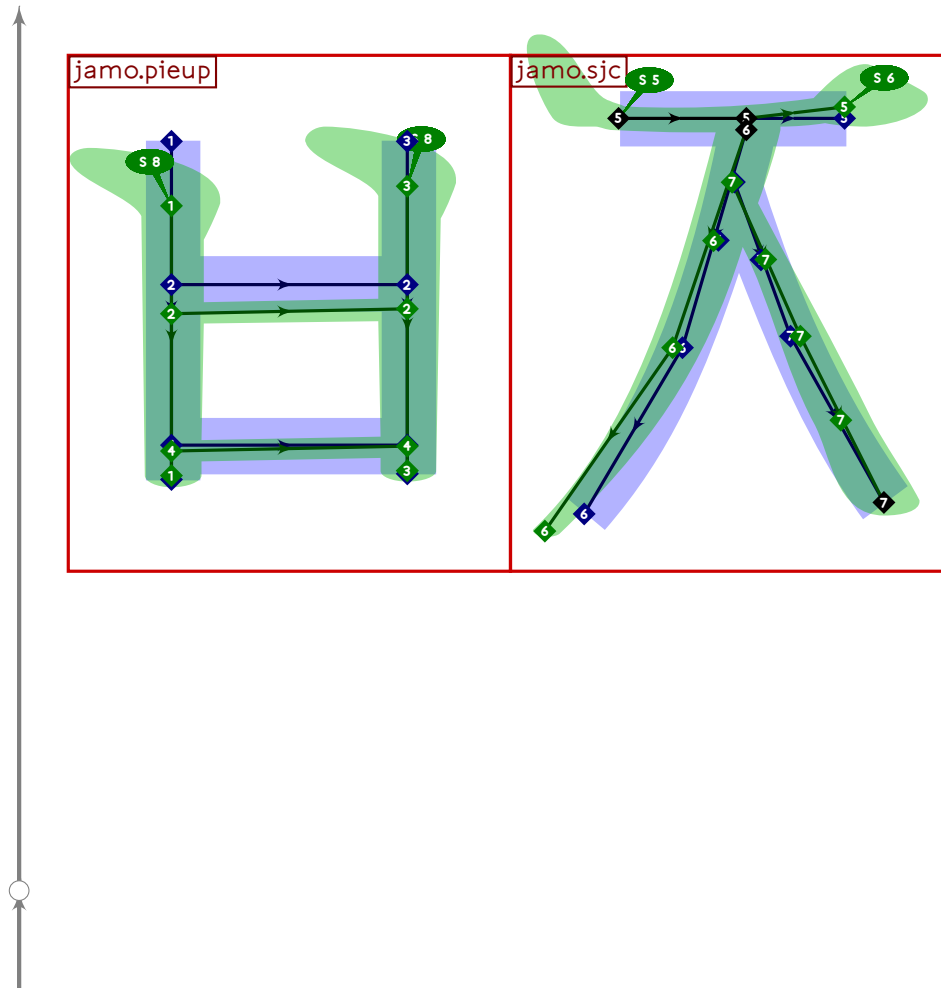
```

U+FF626
mande.uni1126.lj5



FF6

```
286 % hangul lead pieup-sios-cieuc
287 begint Suglyph("uni1126.lj5";38);
288   hangul.combine.lcr(107,209,112)(whatever,lixf,loxf);
289   tsu_render;
290 endtsuglyph;
291
```

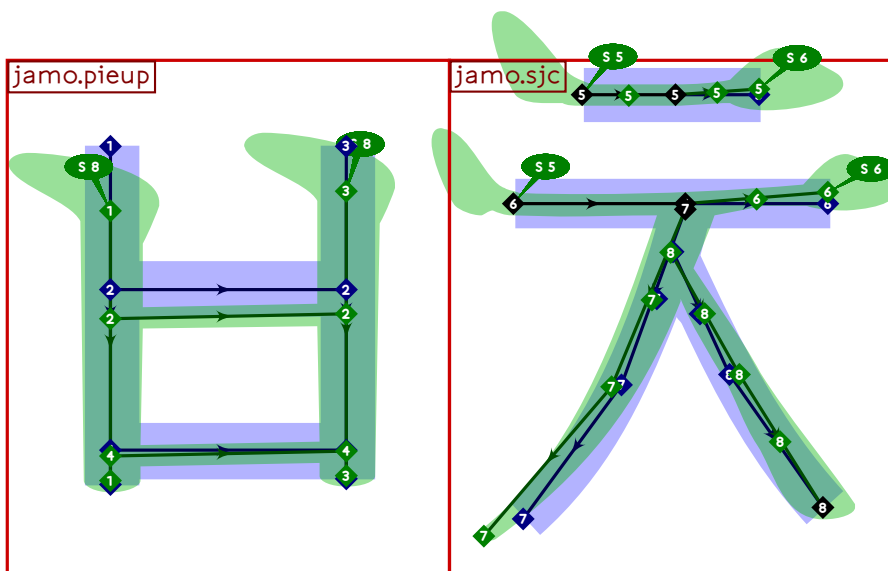


```

292 % hangul lead pieup-cieuc
293 begint Suglyph("uni1127.lj5";39);
294   hangul.combine.lr(207,112)(whatever,lxf,loxf);
295   tsu_render;
296 endtsuglyph;
297

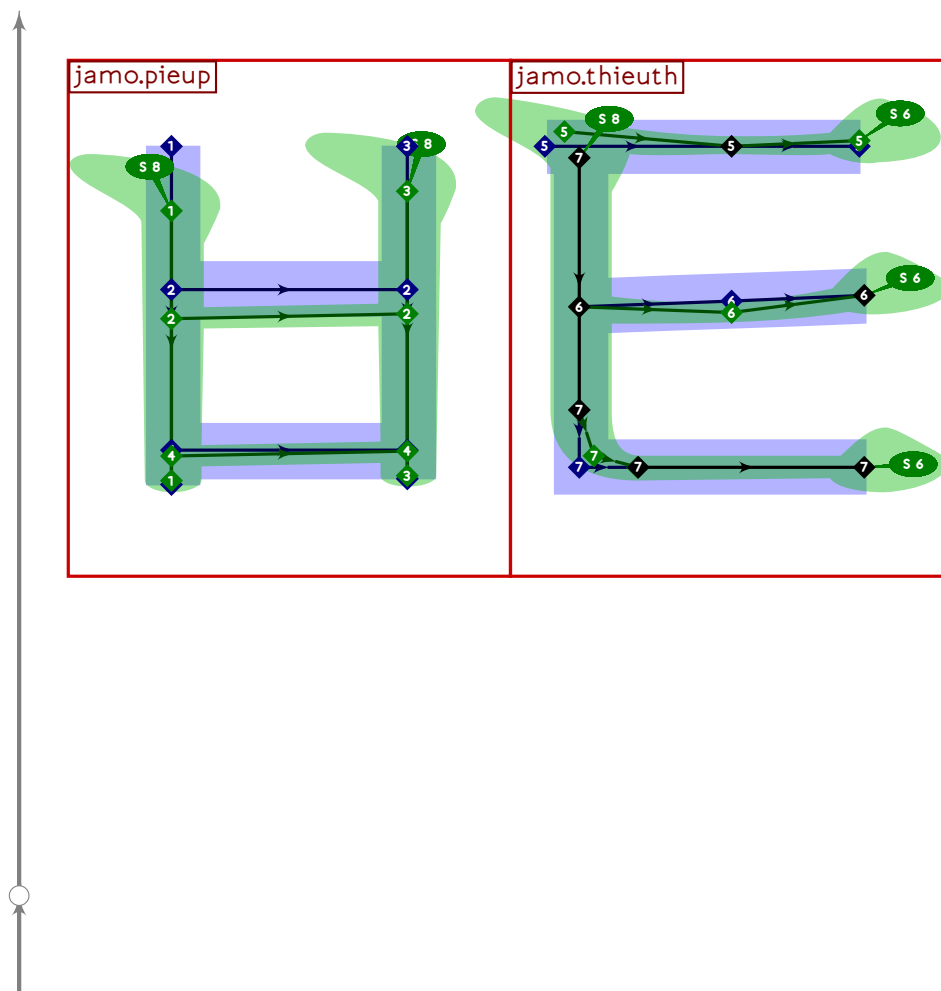
```

U+FF628
mande.uni1128.lj5



FF6

```
298 % hangul lead pieup-chieuch
299 begint Suglyph("uni1128.lj5";40);
300 hangul.combine.lr(207,114)(whatever,lixf,loxf);
301 tsu_render;
302 endtsuglyph;
303
```

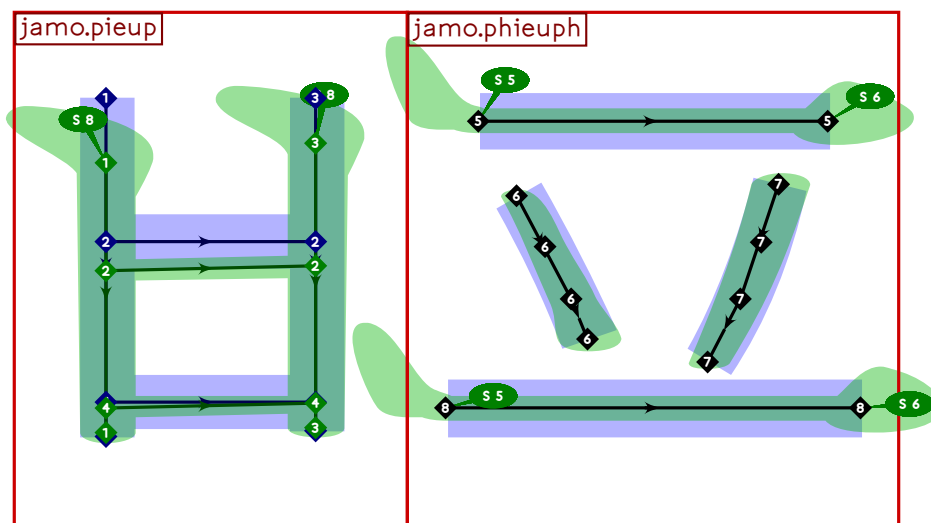


```

304 % hangul lead pieup-thieuth
305 begintsuglyph("uni1129.lj5";41);
306   hangul.combine.lr(207,116)(whatever,lixf,loxf);
307   tsu_render;
308 endtsuglyph;
309

```

U+FF62A
mande.uni112A.lj5

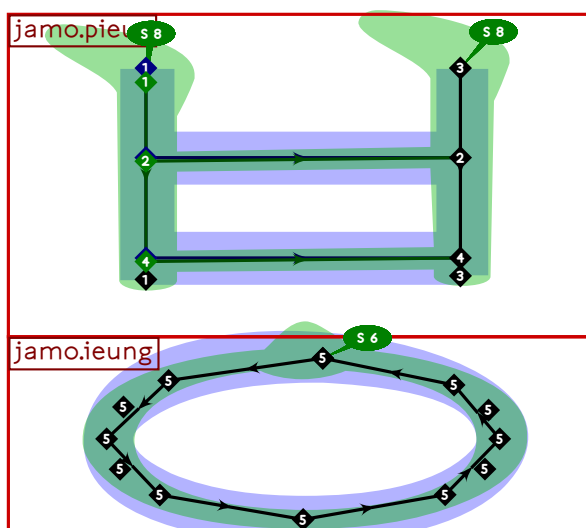


FF6

```

310 % hangul lead pieup-phieup
311 begint Suglyph("uni112A.lj5";42);
312   hangul.combine.lr(207,117)(whatever,lixf,loxf);
313   tsu_render;
314 endtsuglyph;
315

```

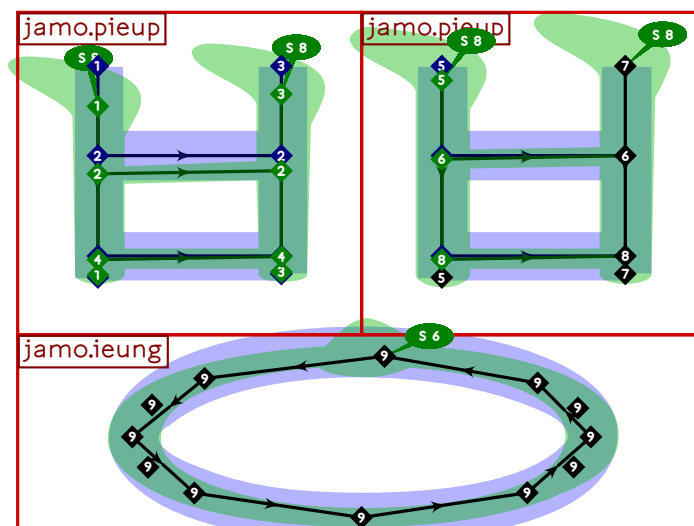



```

316 % hangul lead kapyeounpieup
317 begintsuglyph("uni112B.lj5";43);
318   hangul.combine.tb(107,521)(whatever,
319     hxf((200,850),(800,-50)) transformed lixf,loxf);
320   tsu_render;
321 endtsuglyph;
322

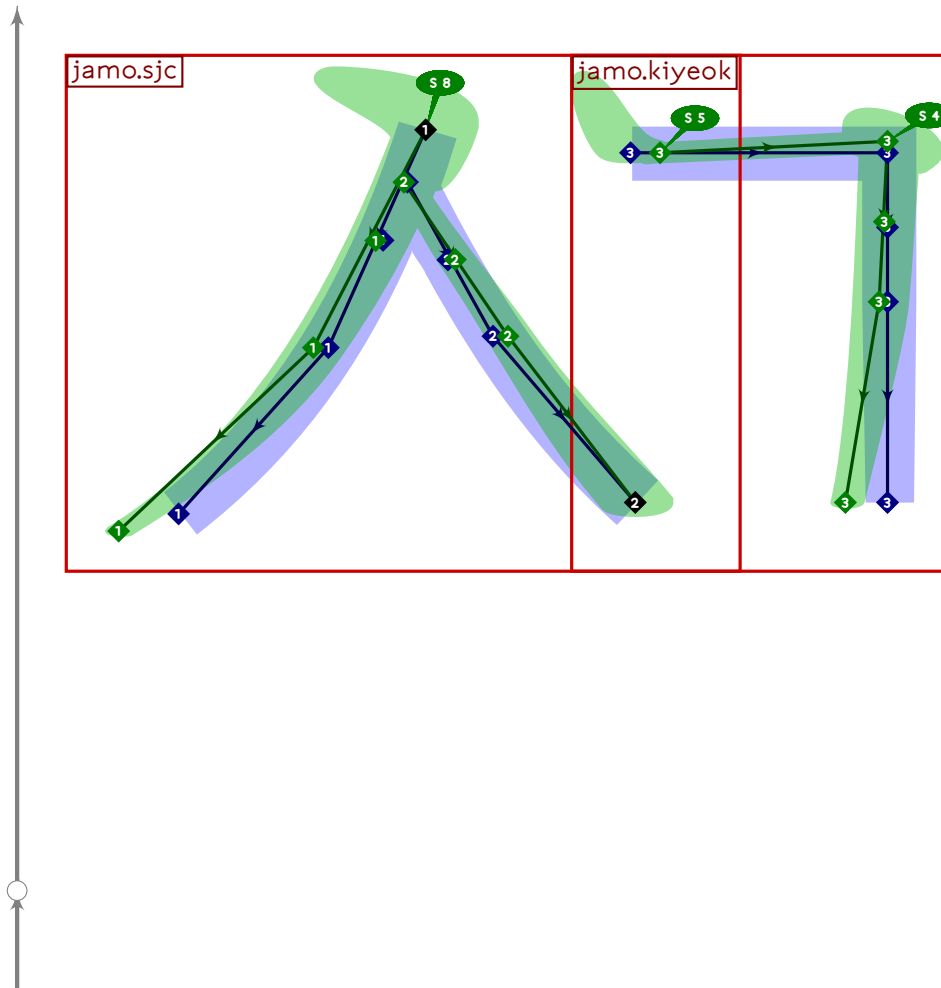
```

U+FF62C
mande.uni112C.lj5



FF6

```
323 % hangul lead kapyeounssangpieup
324 begintsuglyph("uni112C.lj5";44);
325   hangul.combine.tb(108,521)(whatever,
326     hxf((150,850),(850,-50)) transformed lixf,loxf);
327   tsu_render;
328 endtsuglyph;
329
```



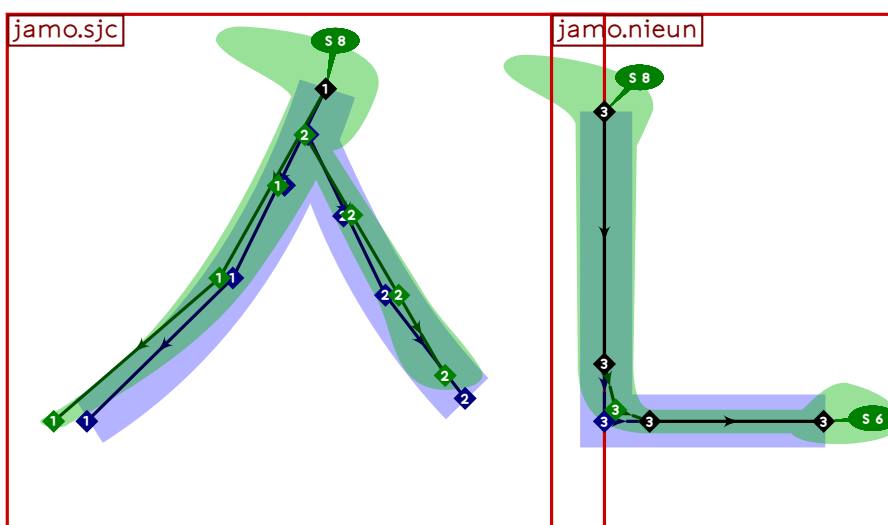
FF6

```

330 % hangul lead sios-kiyeok
331 begint Suglyph("uni112D.lj5";45);
332   hangul.combine.lr(109;100)(whatever;lixf;loxf);
333   tsu_render;
334 endtsuglyph;
335

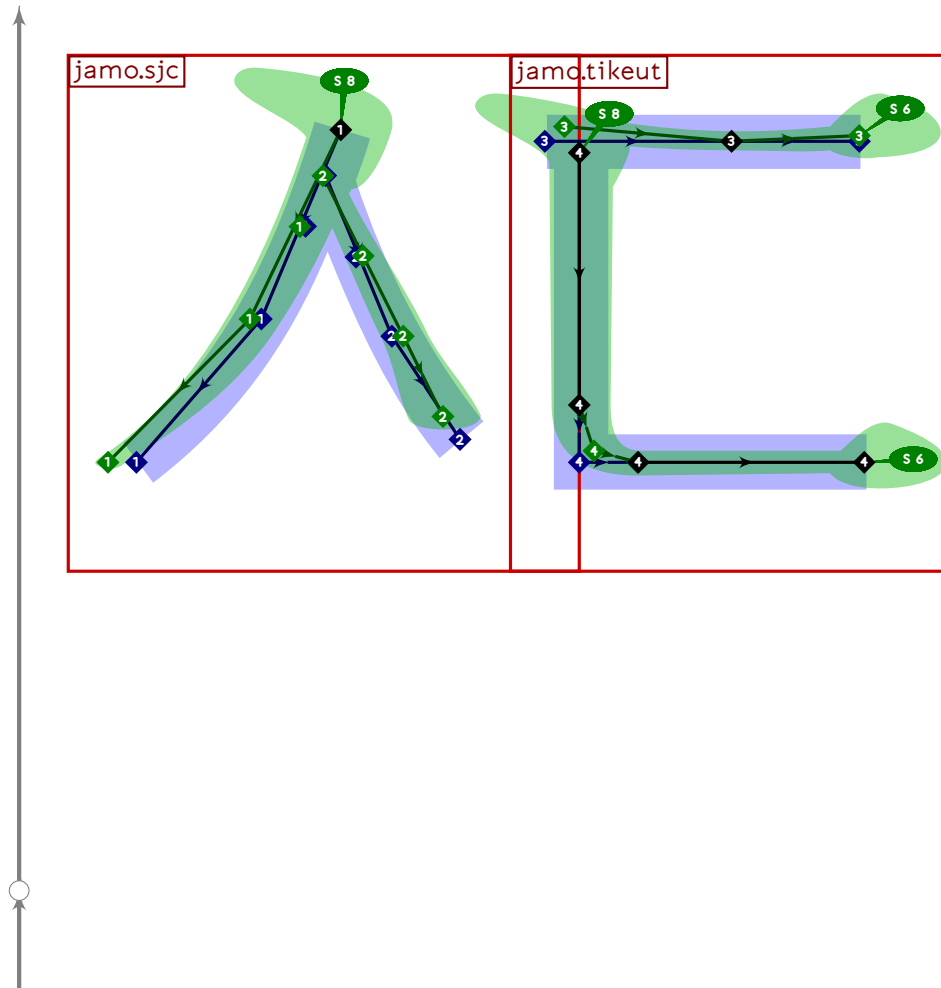
```

U+FF62E
mande.uni112E.lj5



FF6

```
336 % hangul lead sios-nieun
337 begintsuglyph("uni112E.lj5";46);
338 hangul.combine.lr(209,102)(whatever,lixf,loxf);
339 tsu_render;
340 endtsuglyph;
341
```



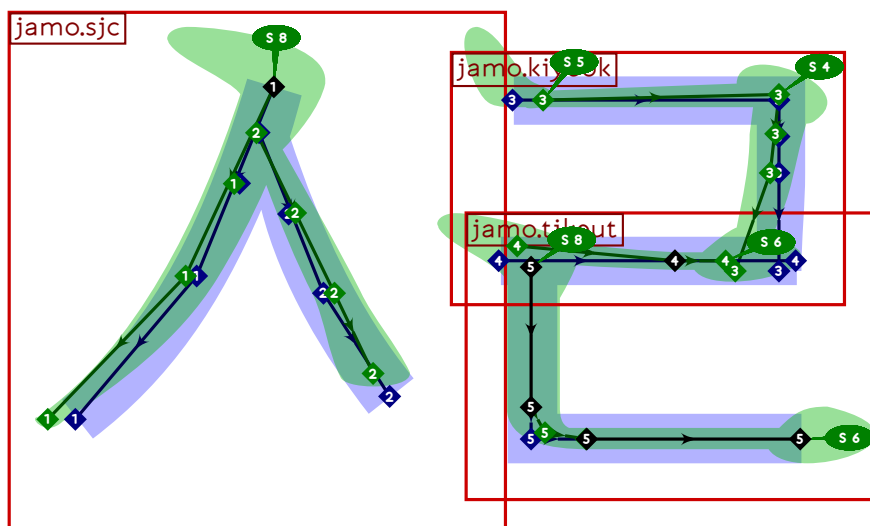
```

342 % hangul lead sios-tikeut
343 begint Suglyph("uni112F.lj5";47);
344   hangul.combine.lr(209,103)(whatever,lixf,loxf);
345   tsu_render;
346 endtsuglyph;
347

```

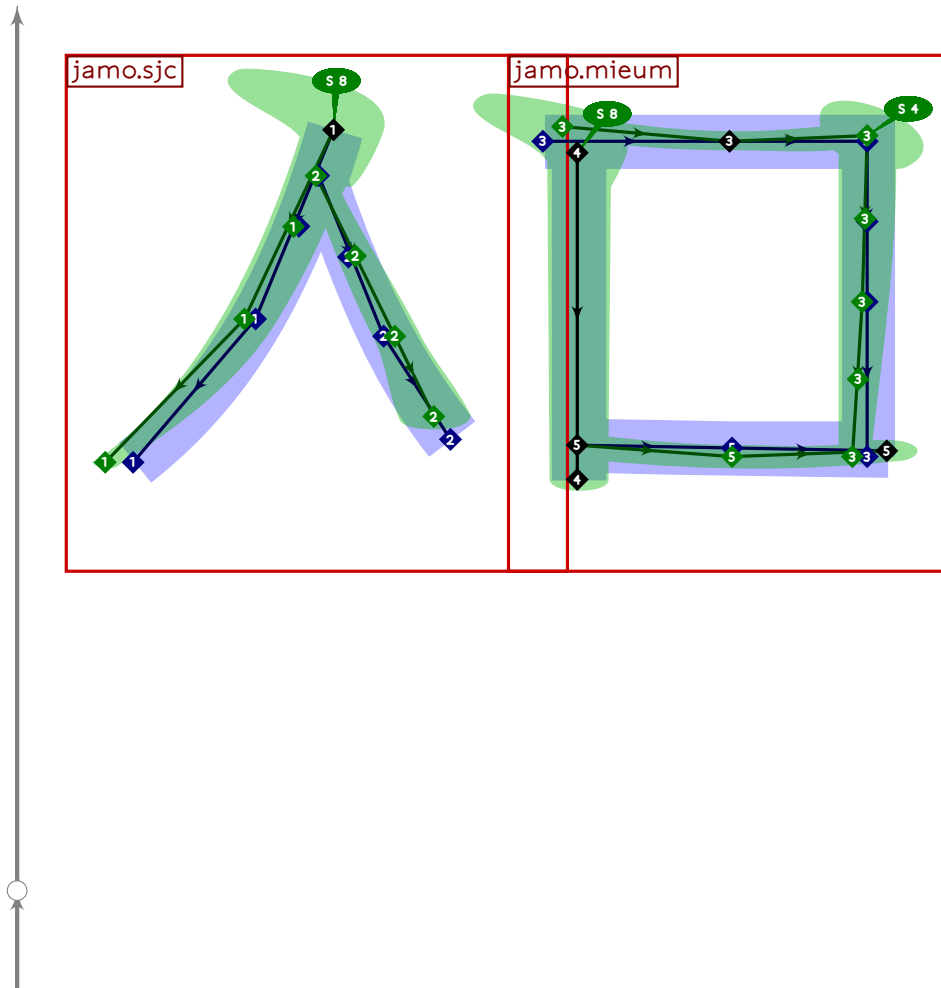
FF6

U+FF630
mande.uni1130.lj5



FF6

```
348 % hangul lead sios-rieul
349 begint Suglyph("uni1130.lj5";48);
350   hangul.combine.lr(209;105)(whatever,lixf,loxf);
351   tsu_render;
352 endtsuglyph;
353
```

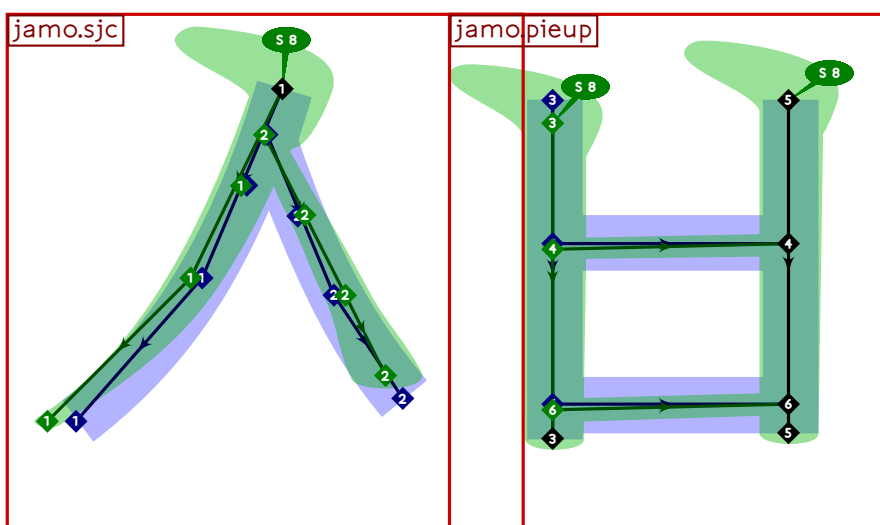


```

354 % hangul lead sios-mieum
355 begintsuglyph("uni1131.lj5";49);
356 hangul.combine.lr(209;106)(whatever,lixf,loxf);
357 tsu_render;
358 endtsuglyph;
359

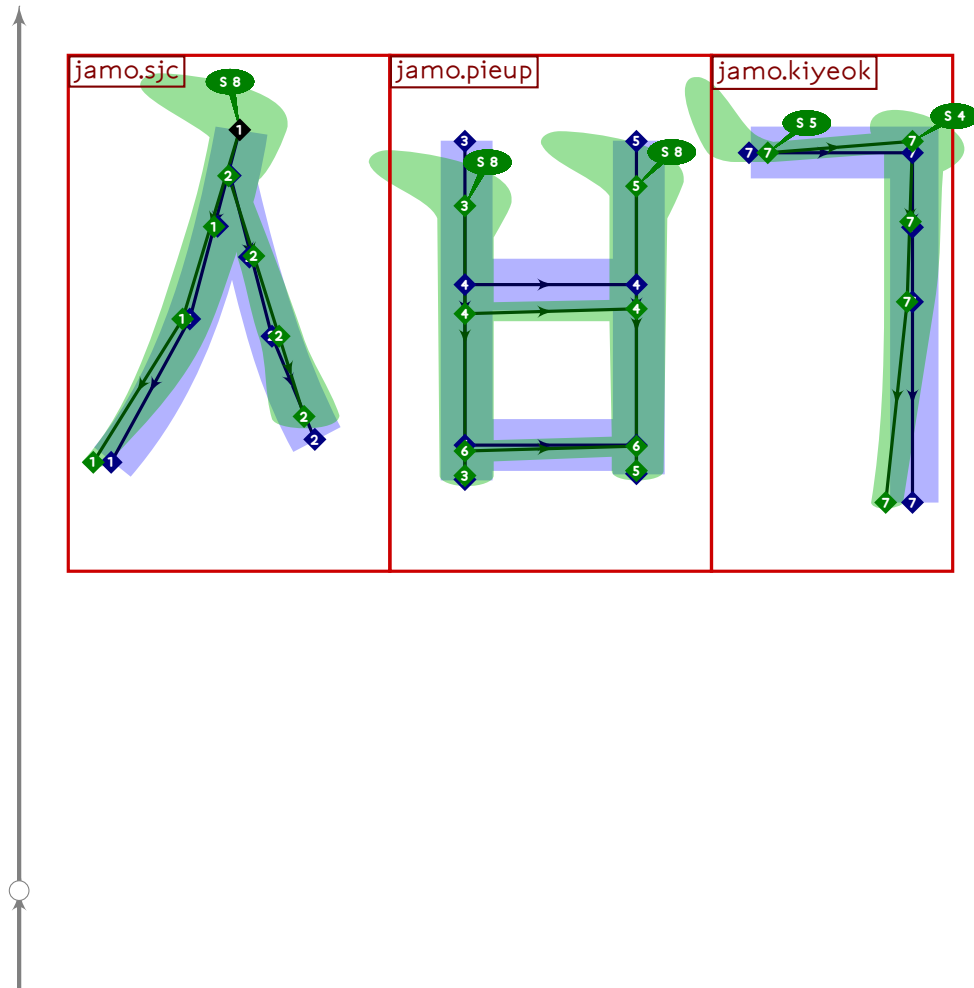
```

U+FF632
mande.uni1132.lj5



FF6

```
360 % hangul lead sios-pieup
361 begintsuglyph("uni1132.lj5";50);
362   hangul.combine.lr(209,107)(whatever,lixf,loxf);
363   tsu_render;
364 endtsuglyph;
365
```

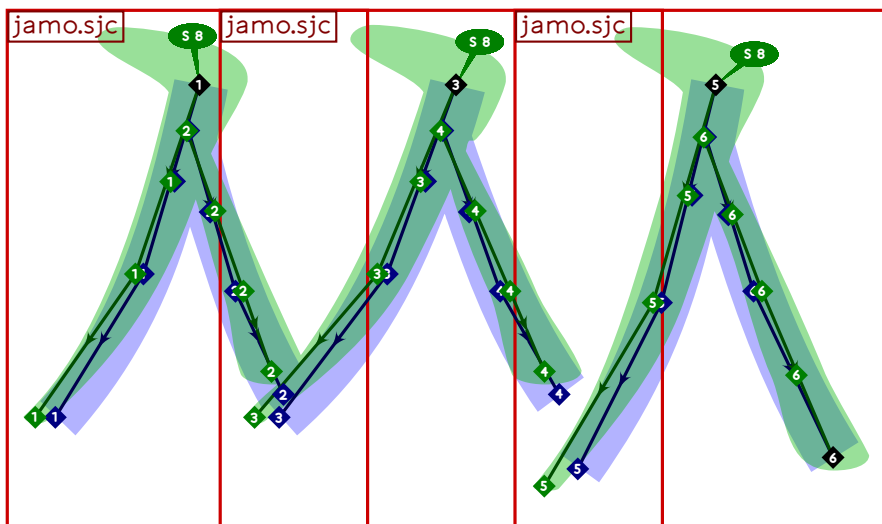



```

366 % hangul lead sios-pieup-kiyeok
367 begintsuglyph("uni1133.lj5";51);
368 hangul.combine.lcr(209,207,100)(whatever,lixf,loxf);
369 tsu_render;
370 endtsuglyph;
371

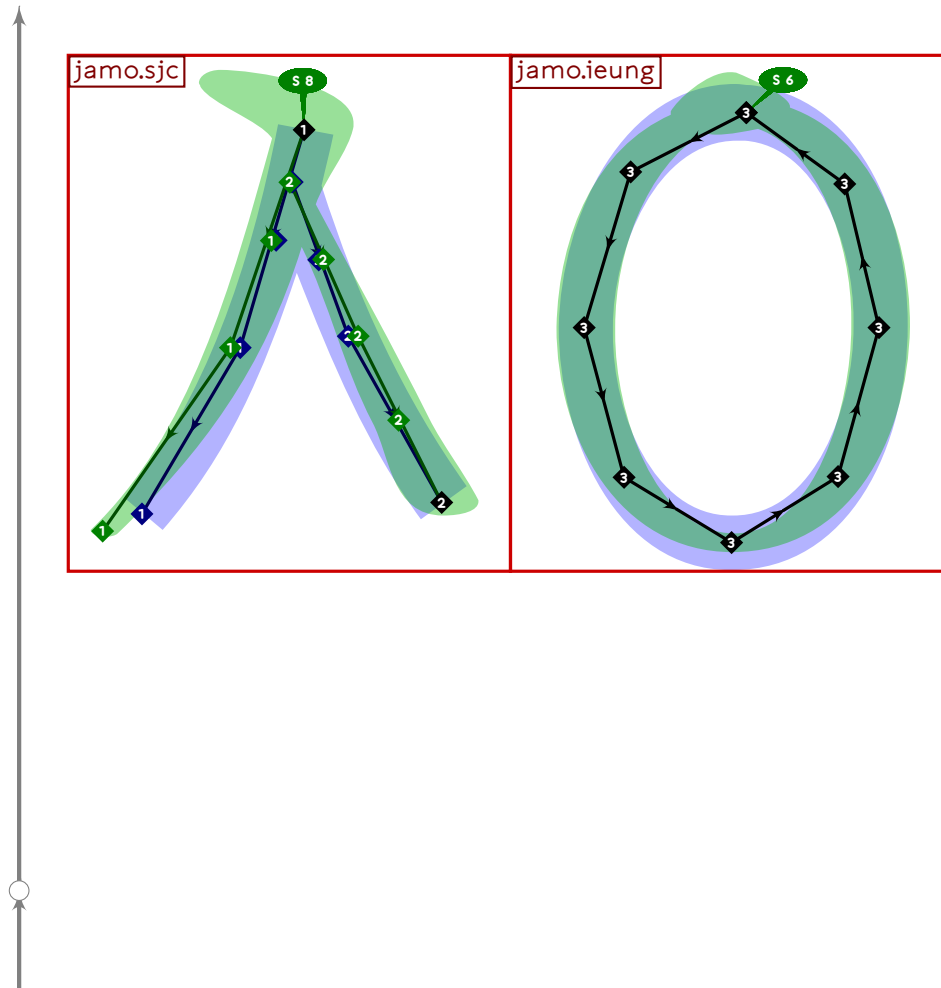
```

U+FF634
mande.uni1134.lj5



FF6

```
372 % hangul lead sios-sios-sios
373 begint Suglyph("uni1134.lj5";52);
374   hangul.combine.lcr(209,209,109)(whatever,lixf,loxf);
375   tsu_render;
376 endtsuglyph;
377
```

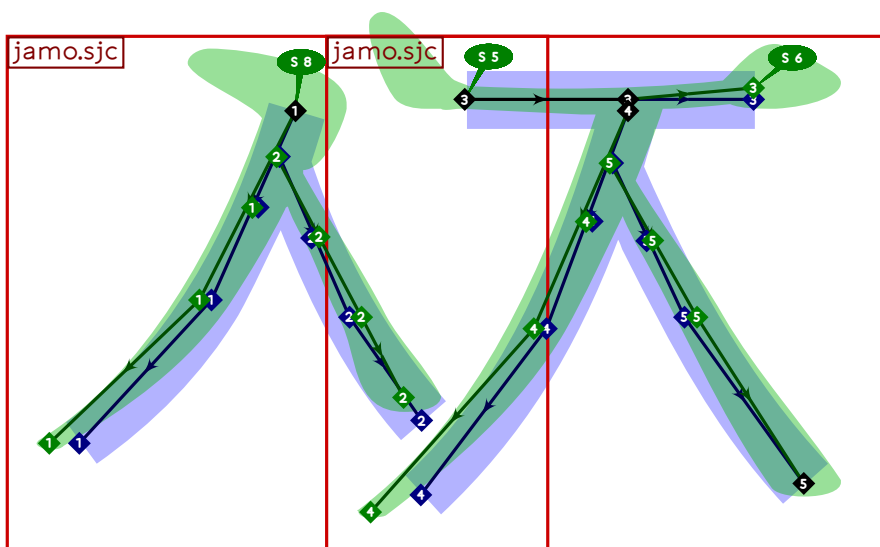


```

378 % hangul lead sios-ieung
379 begintsuglyph("uni1135.lj5";53);
380 hangul.combine.lr(109;111)(whatever;lixf,loxf);
381 tsu_render;
382 endtsuglyph;
383

```

U+FF636
mande.uni1136.lj5

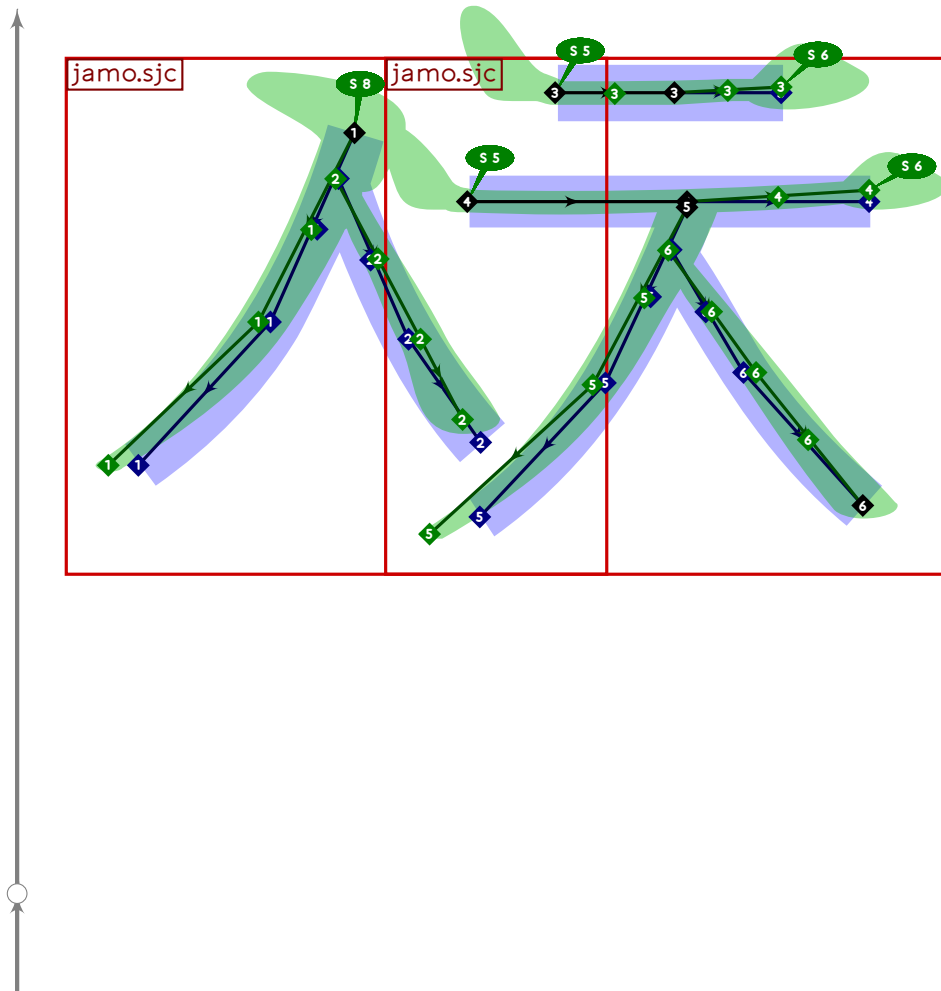


FF6

```

384 % hangul lead sios-cieuc
385 begintsuglyph("uni1136.lj5",54);
386   hangul.combine.lr(209,112)(whatever,lixf,loxf);
387   tsu__render;
388 endtsuglyph;
389

```



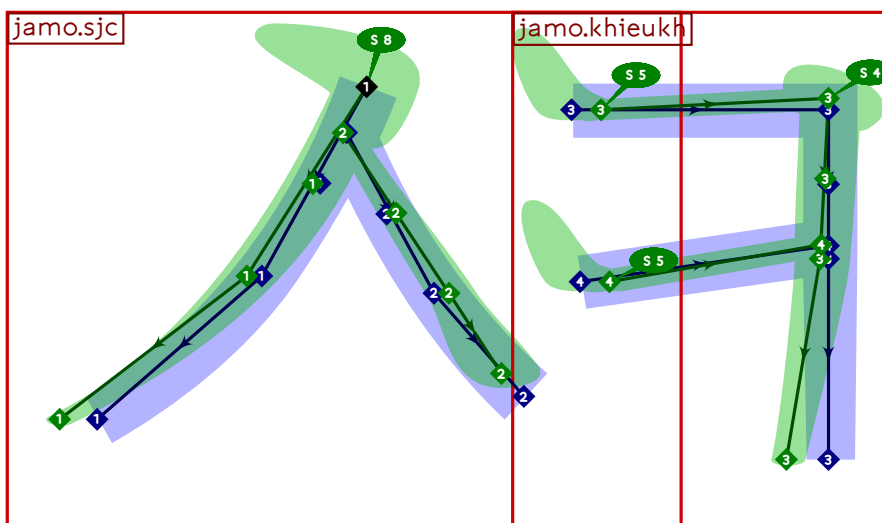
```

390 % hangul lead sios-chieuch
391 begint Suglyph("uni1137.lj5",55);
392   hangul.combine.lr(209,114)(whatever,lixf,loxf);
393   tsu_render;
394 endtsuglyph;
395

```

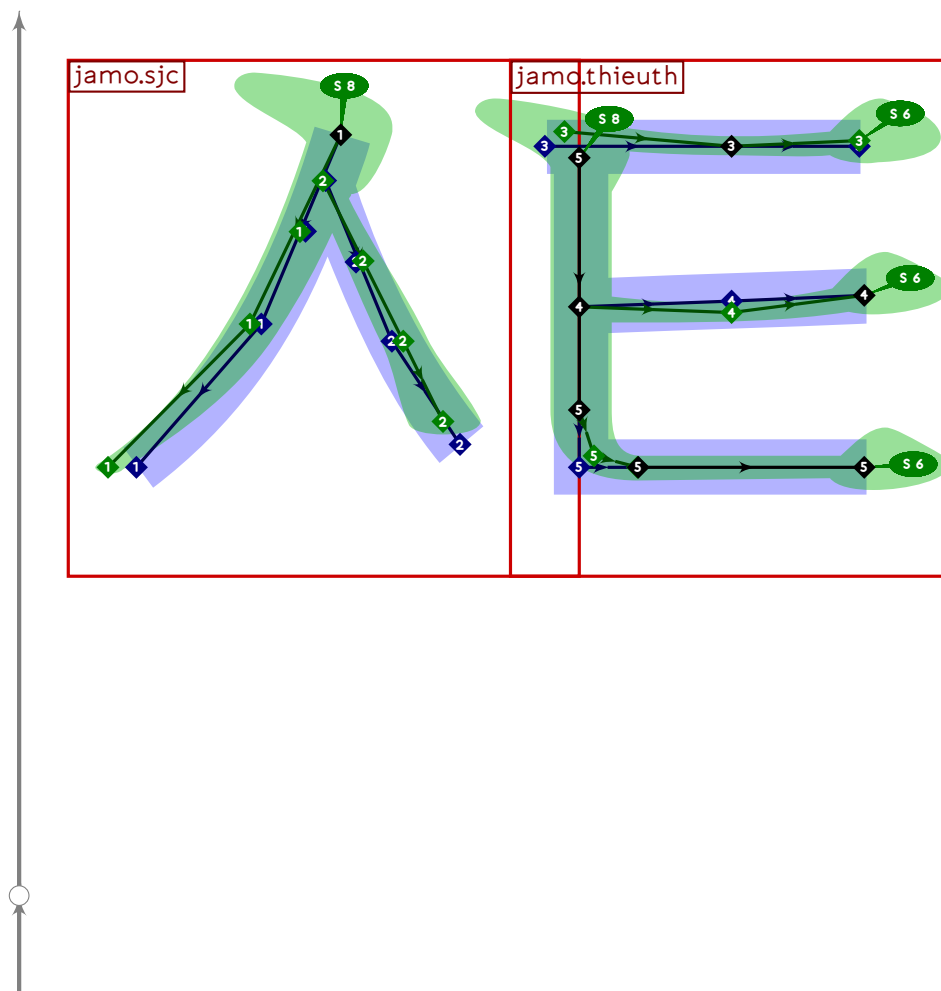
FF6

U+FF638
mande.uni1138.lj5



FF6

```
396 % hangul lead sios-khieukh
397 begint Suglyph("uni1138.lj5";56);
398 hangul.combine.lr(209;115)(whatever;lixf;loxf);
399 tsu_render;
400 endtsuglyph;
401
```

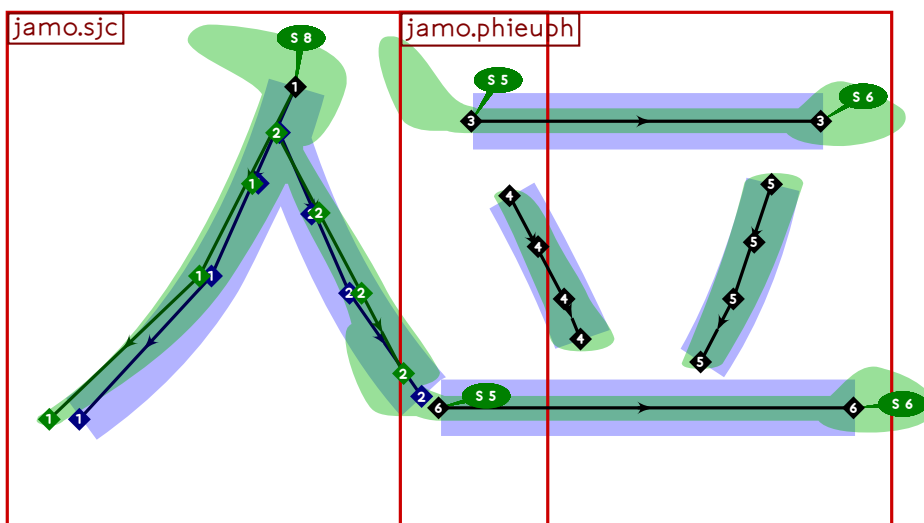


```

402 % hangul lead sios-thieuth
403 begintsuglyph("uni1139.lj5";57);
404   hangul.combine.lr(209,116)(whatever,lixf,loxf);
405   tsu_render;
406 endtsuglyph;
407

```

U+FF63A
mande.uni113A.lj5

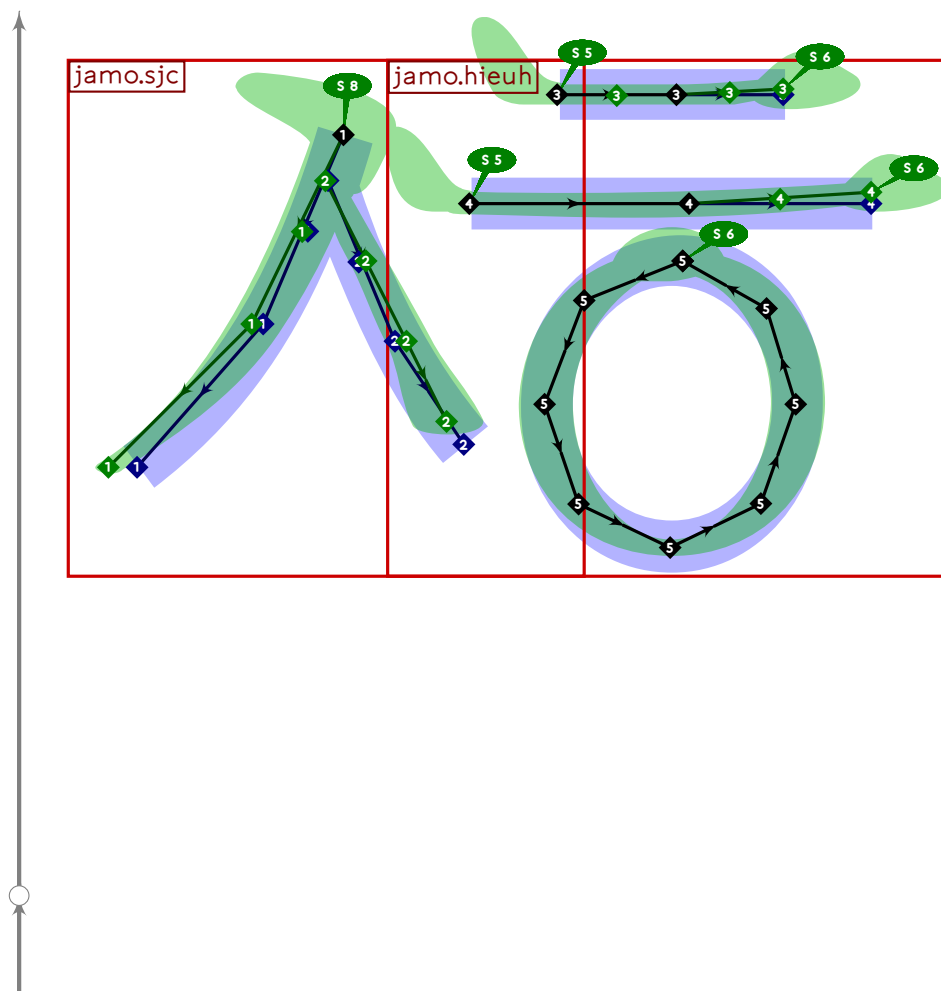


FF6

```

408 % hangul lead sios-phieuph
409 begint Suglyph("uni113A.lj5";58);
410   hangul.combine.lr(209;117)(whatever;lixf,loxf);
411   tsu_render;
412 endtsuglyph;
413

```

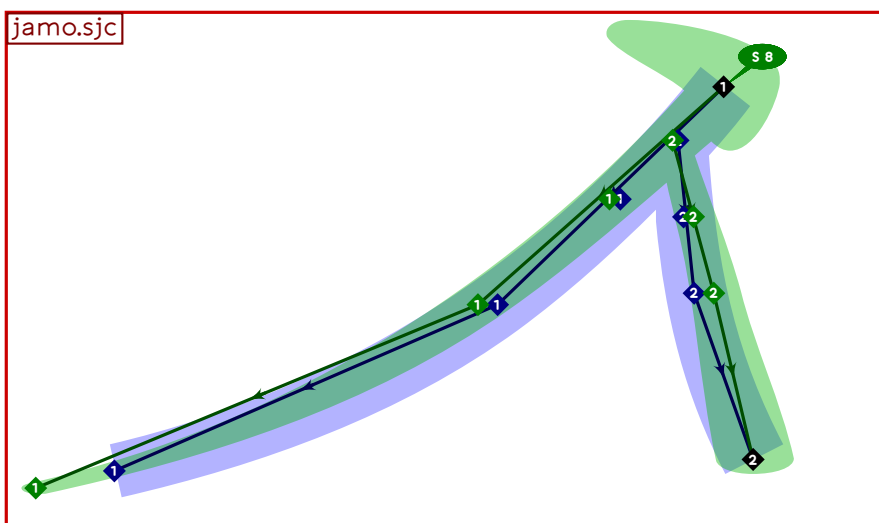



```

414 % hangul lead sios-hieuh
415 begint Suglyph("uni113B.lj5";59);
416   hangul.combine.lr(209;118)(whatever;lixf;loxf);
417   tsu_render;
418 endtsuglyph;
419

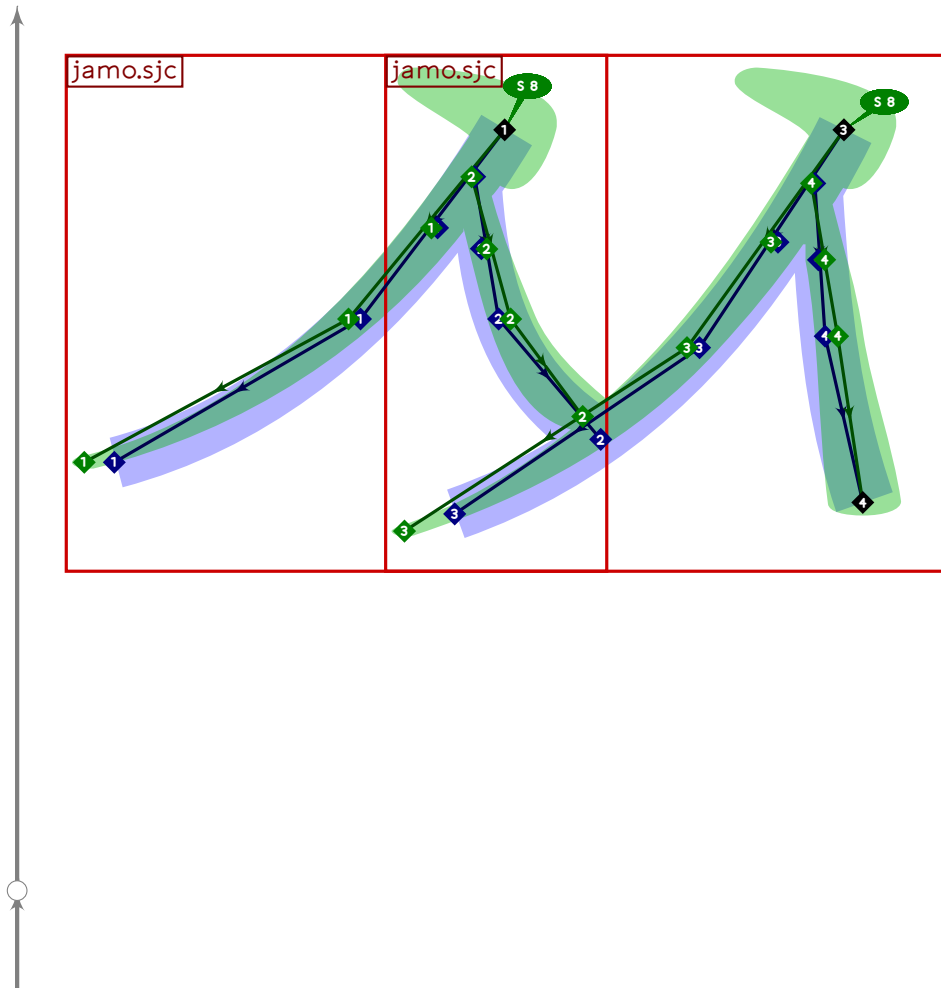
```

U+FF63C
mande.uni113C.lj5



FF6

```
420 % hangul lead chitueumsios
421 begint Suglyph("uni113C.lj5",60);
422   hangul.jamo.sjc(0,1,false)(whatever,lixf,loxf);
423   tsu_render;
424 endtsuglyph;
425
```



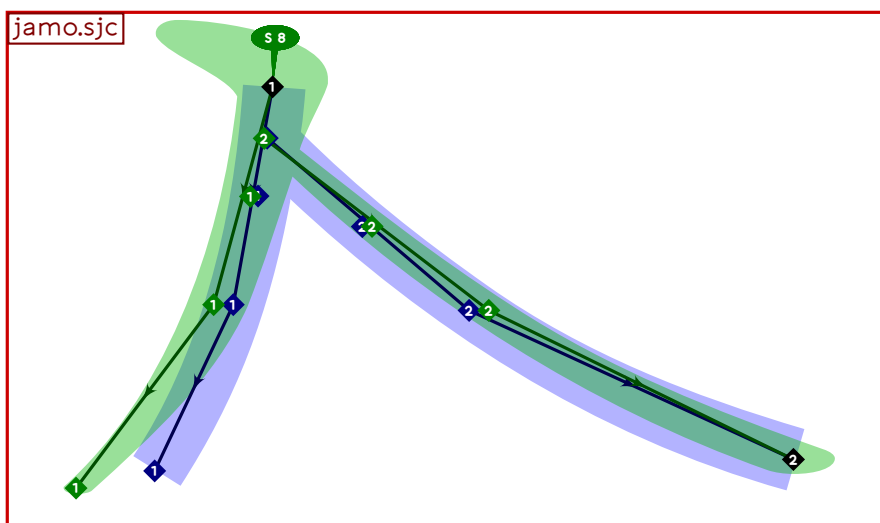
```

426 % hangul lead chitueumssangsios
427 begintsuglyph("uni113D.lj5",61);
428   hangul.combine.lr(223,222)(whatever,lixf,loxf);
429   tsu_render;
430 endtsuglyph;
431

```

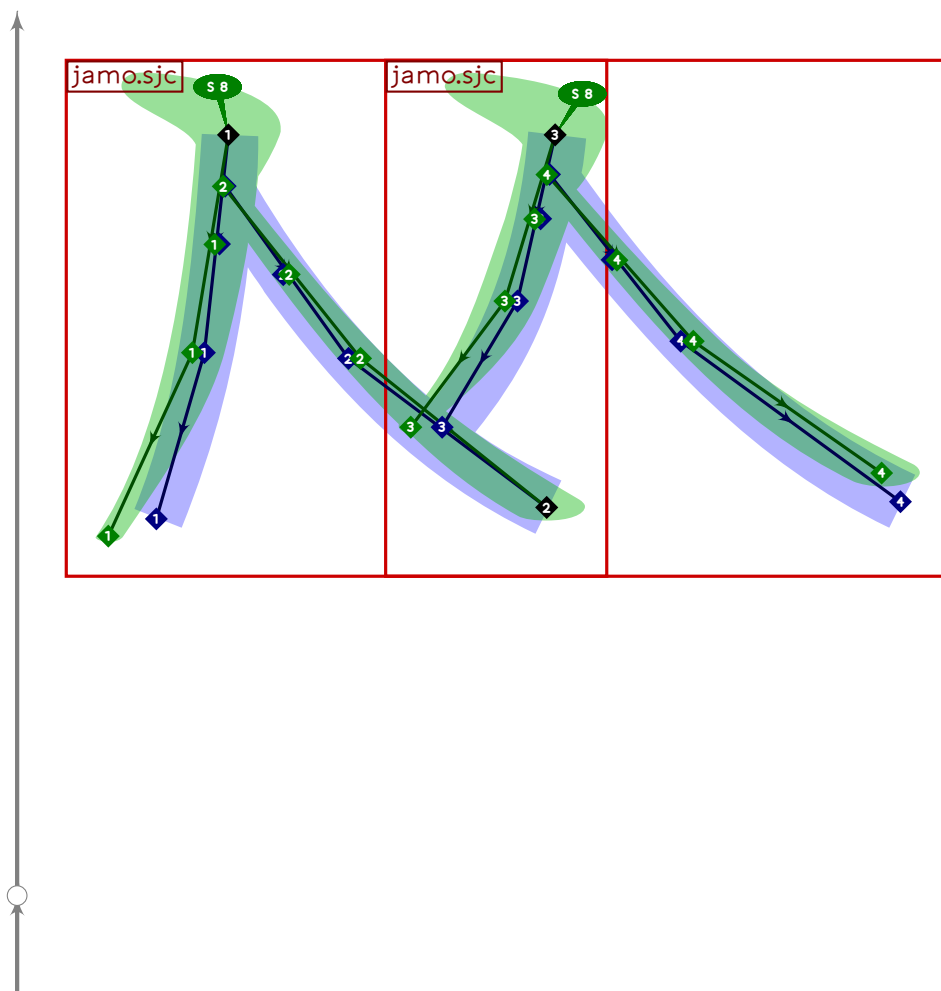
FF6

U+FF63E
mande.uni113E.lj5



FF6

```
432 % hangul lead ceongchieumsios
433 begintsuglyph("uni113E.lj5",62);
434 hangul.jamo.sjc(0,-1,false)(whatever,lixf,loxf);
435 tsu_render;
436 endtsuglyph;
437
```



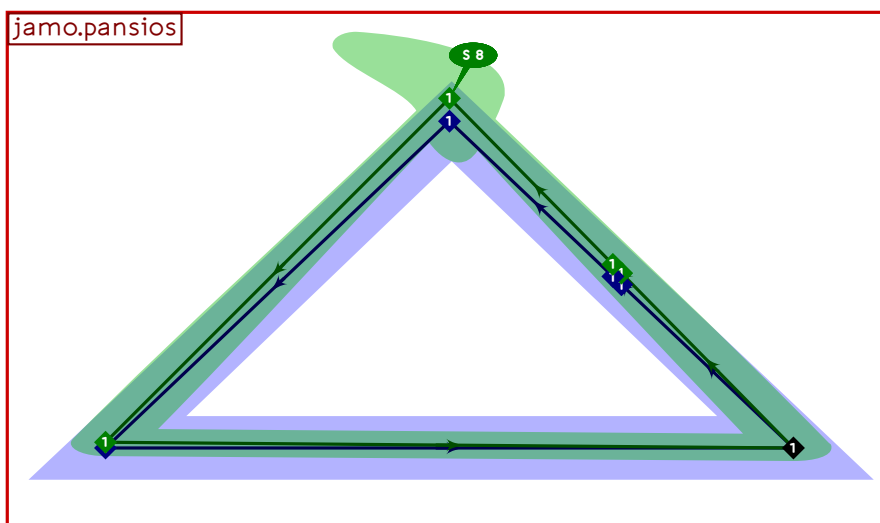
FF6

```

438 % hangul lead ceongchieumssangsios
439 begint Suglyph("uni113F.lj5",63);
440   hangul.combine.lr(224,225)(whatever,lixf,loxf);
441   tsu_render;
442 endtsuglyph;
443

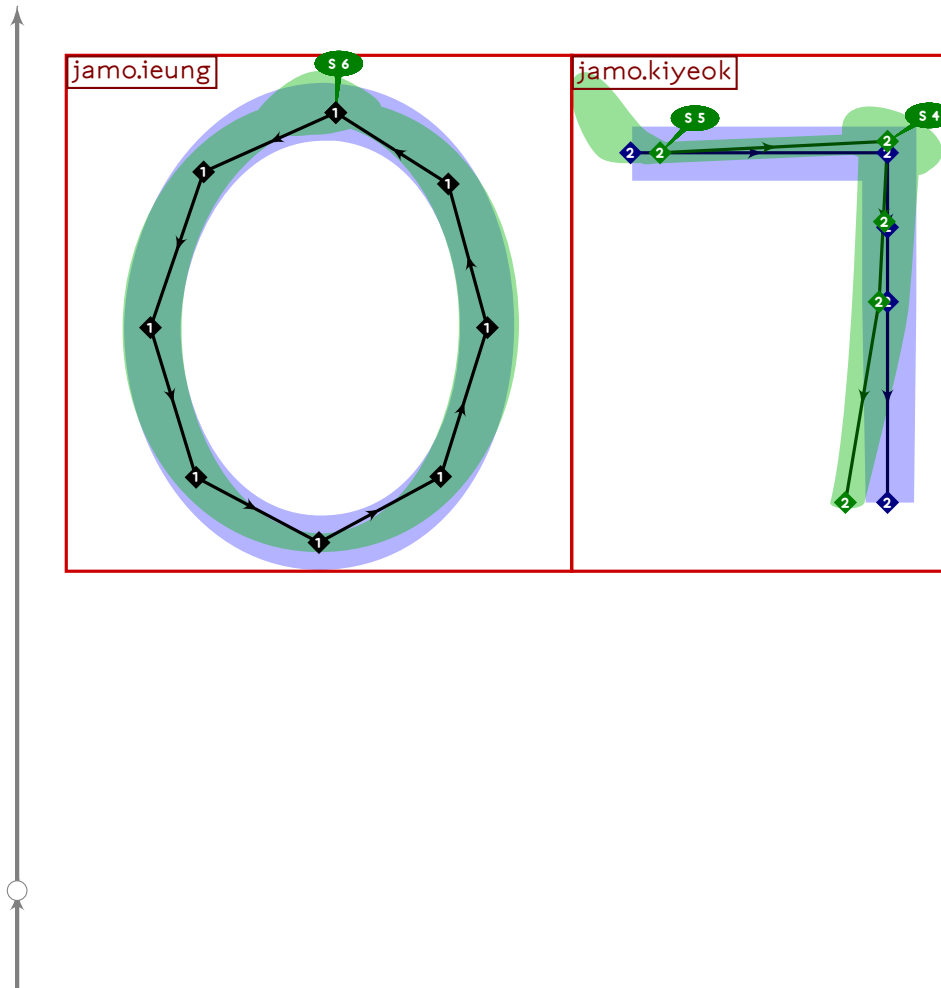
```

U+FF640
mande.uni1140.lj5



FF6

```
444 % hangul lead pansios
445 begintsuglyph("uni1140.lj5";64);
446   hangul.jamo.pansios(whatever,lixf,loxf);
447   tsu_render;
448 endtsuglyph;
449
```

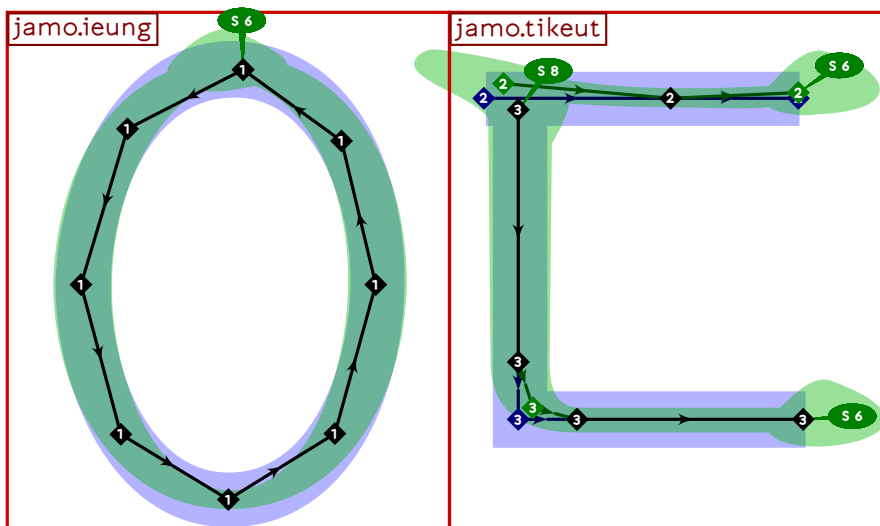


```

450 % hangul lead ieung-kiyeok
451 beginsuglyph("uni1141.lj5",65);
452   hangul.combine.lr(111,100)(whatever,lixf,loxf);
453   tsu_render;
454 endsuglyph;
455

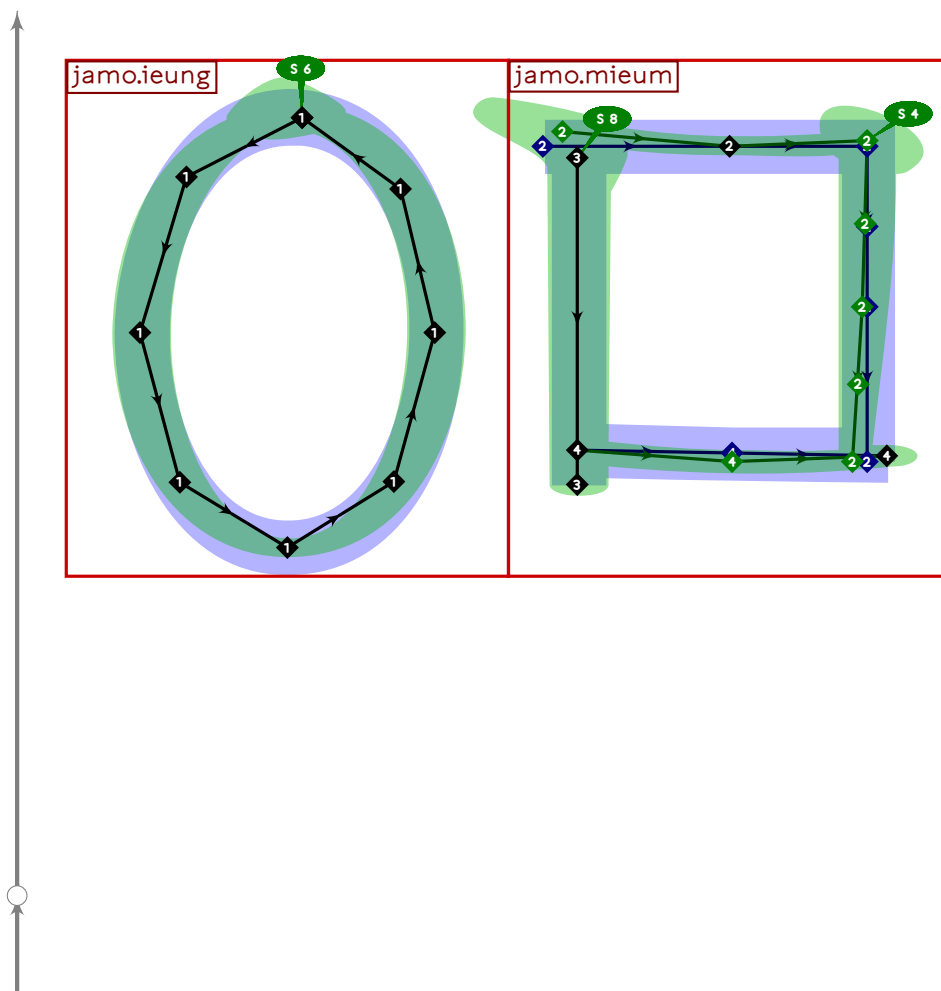
```

U+FF642
mande.uni1142.lj5



FF6

```
456 % hangul lead ieung-tikeut
457 beginsuglyph("uni1142.lj5",66);
458 hangul.combine.lr(111,103)(whatever,lixf,loxf);
459 tsu_render;
460 endsuglyph;
461
```

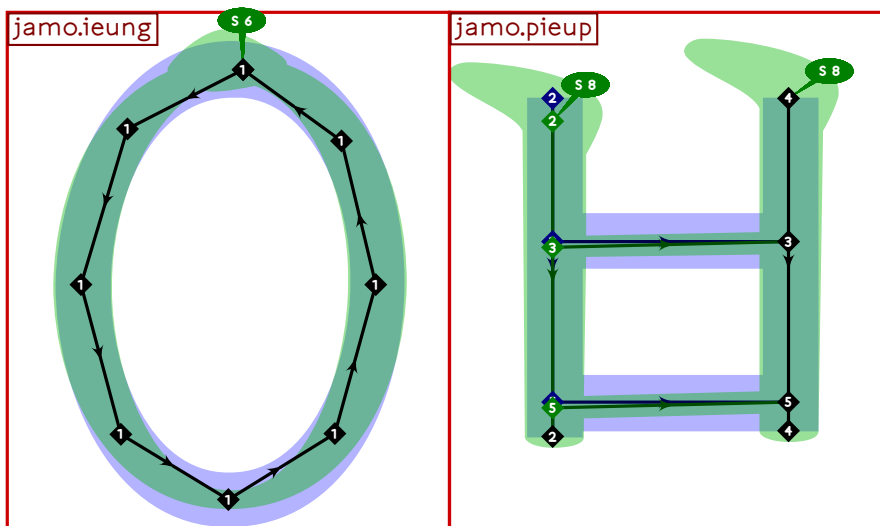



```

462 % hangul lead ieung-mieum
463 beginsuglyph("uni1143.lj5";67);
464   hangul.combine.lr(111,106)(whatever,lixf,loxf);
465   tsu_render;
466 endsuglyph;
467

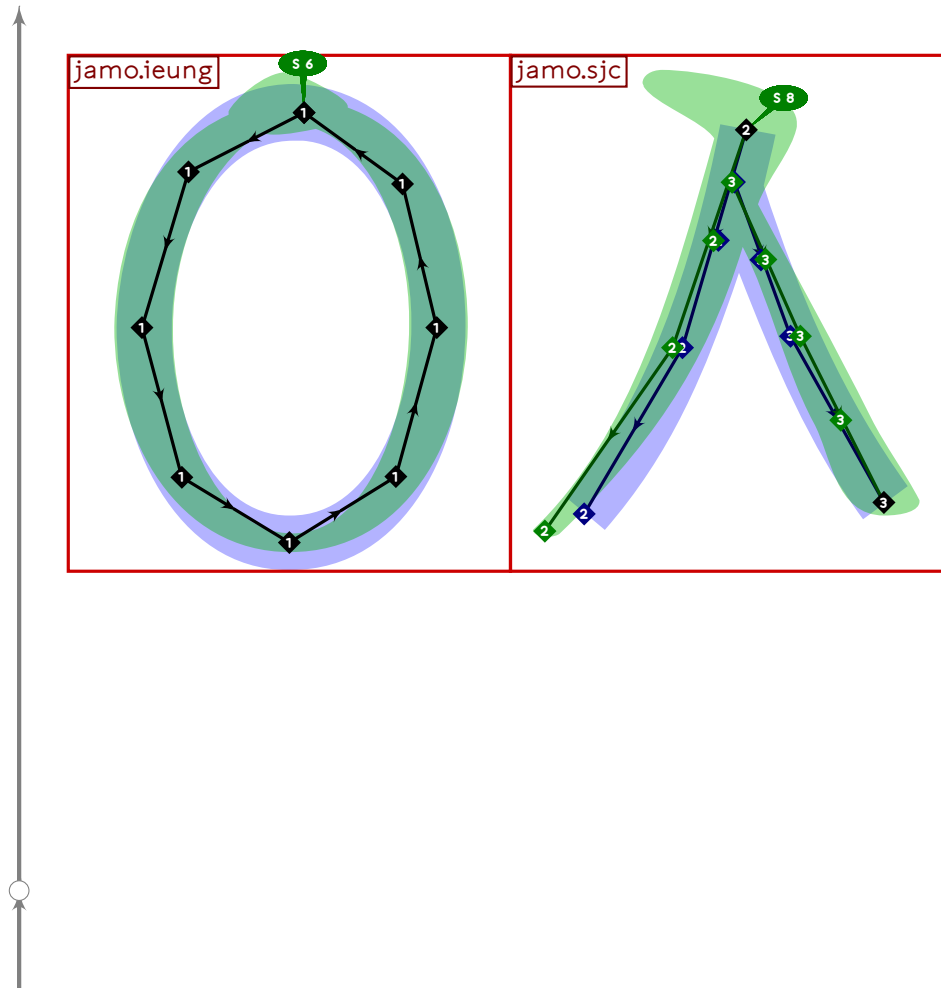
```

U+FF644
mande.uni1144.lj5



FF6

```
468 % hangul lead ieung-pieup
469 beginsuglyph("uni1144.lj5",68);
470 hangul.combine.lr(111,107)(whatever,lixf,loxf);
471 tsu_render;
472 endsuglyph;
473
```



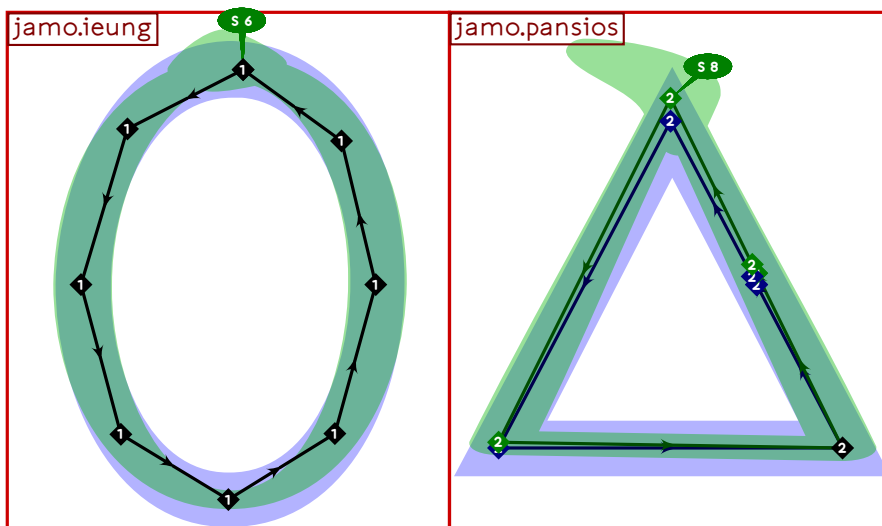
```

474 % hangul lead ieung-sios
475 begintsuglyph("uni1145.lj5";69);
476 hangul.combine.lr(111,109)(whatever,lixf,loxf);
477 tsu_render;
478 endtsuglyph;
479

```

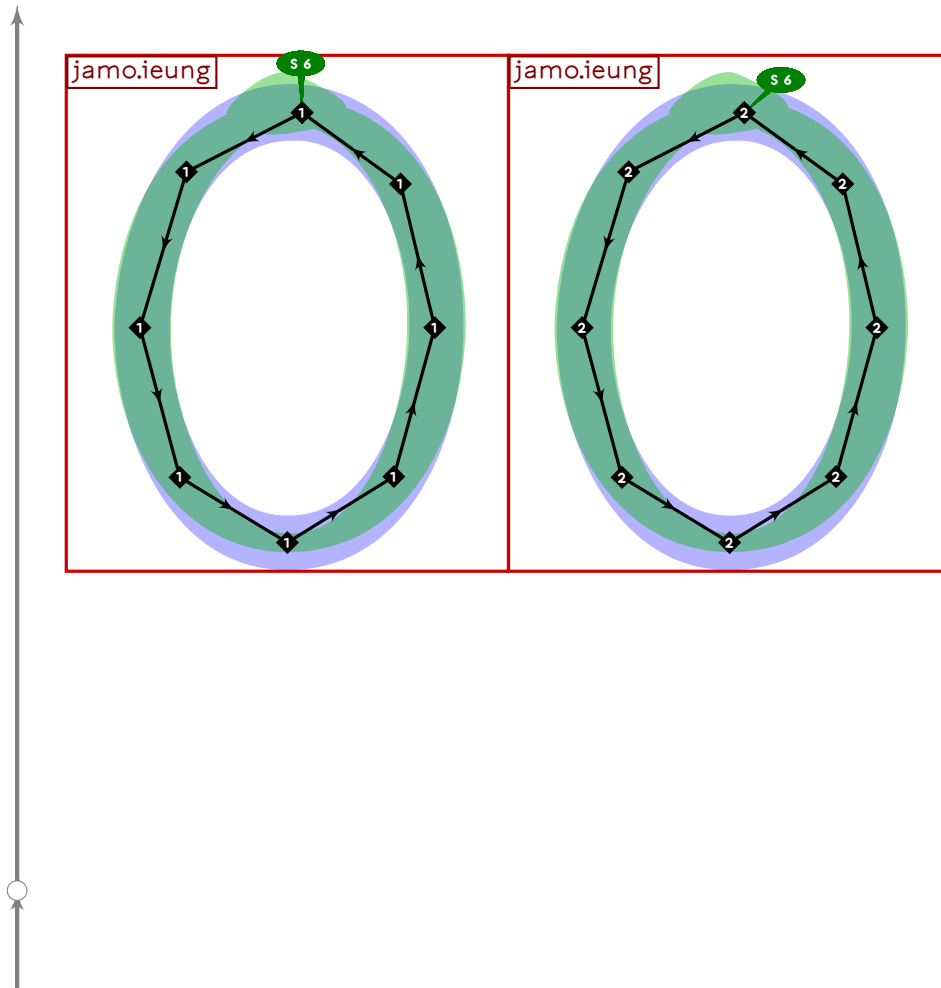
FF6

U+FF646
mande.uni1146.lj5



FF6

```
480 % hangul lead ieung-pansios
481 begint Suglyph("uni1146.lj5";70);
482   hangul.combine.lr(111,219)(whatever,lixf,loxf);
483   tsu_render;
484 endtsuglyph;
485
```



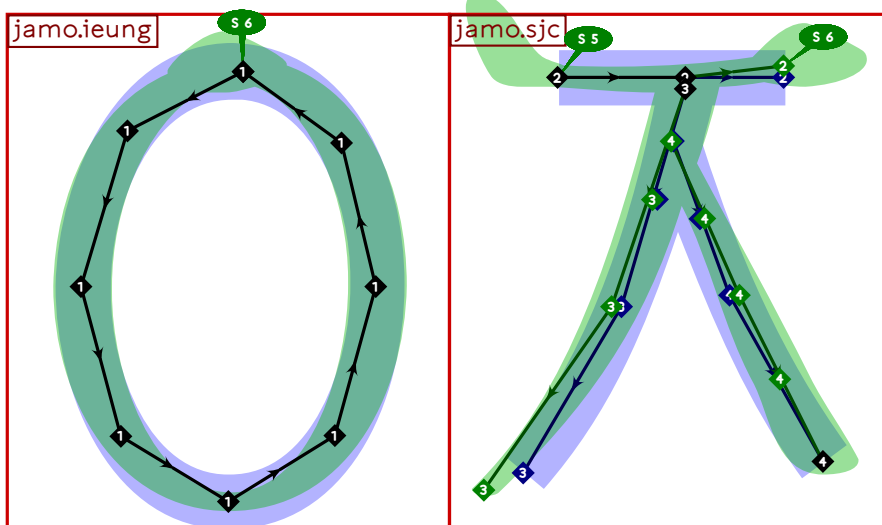
```

486 % hangul lead ssangieung
487 begintsuglyph("uni1147.lj5",71);
488   hangul.combine.lr(111,111)(whatever,lixf,loxf);
489   tsu_render;
490 endtsuglyph;
491

```

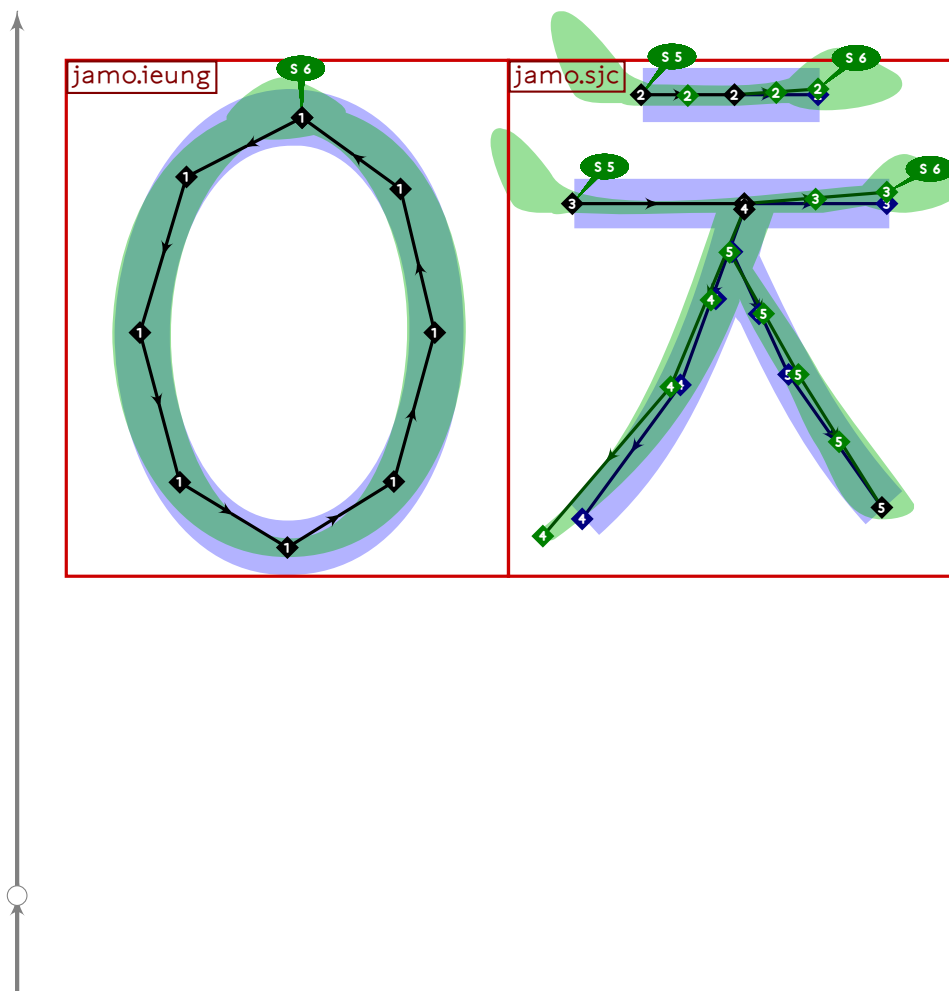
FF6

U+FF648
mande.uni1148.lj5



FF6

```
492 % hangul lead ieung-cieuc
493 beginsuglyph("uni1148.lj5";72);
494 hangul.combine.lr(111,112)(whatever,lixf,loxf);
495 tsu_render;
496 endsuglyph;
497
```

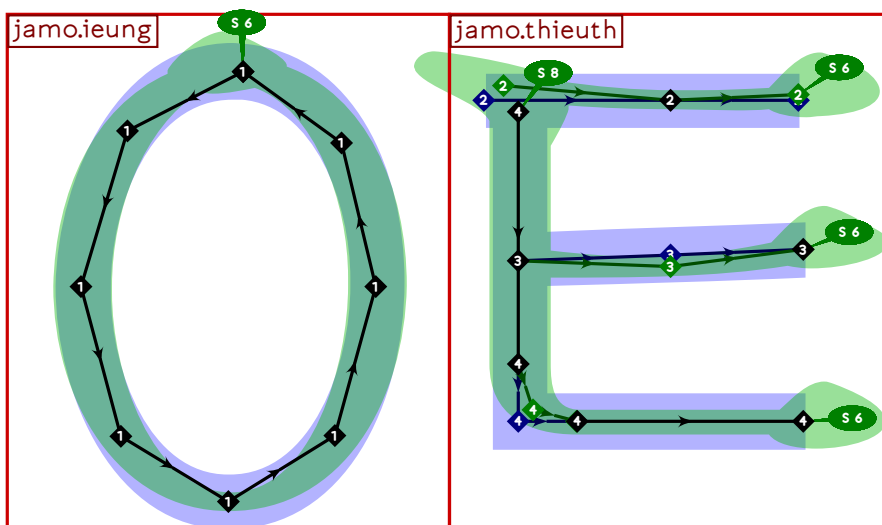


```

498 % hangul lead ieung-chieuch
499 begintsuglyph("uni1149.lj5",73);
500 hangul.combine.lr(111,114)(whatever,lixf,loxf);
501 tsu_render;
502 endtsuglyph;
503

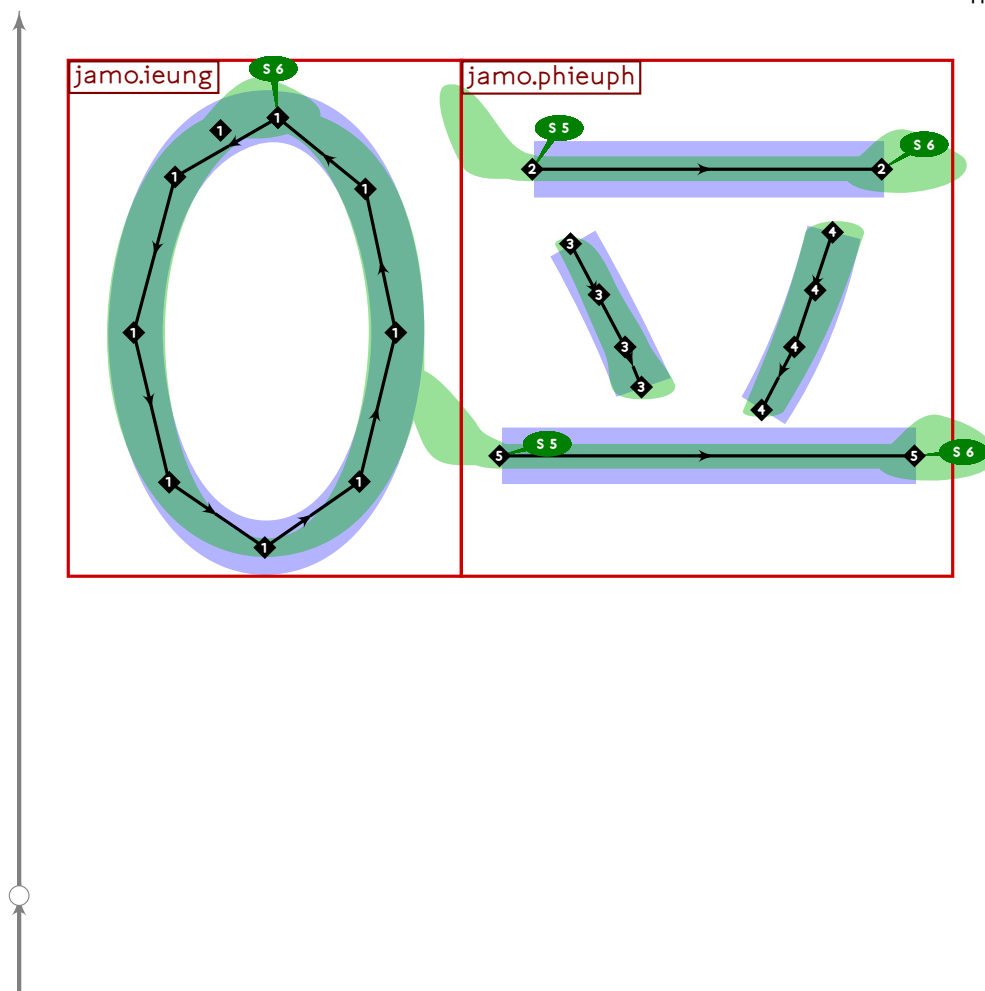
```

U+FF64A
mande.uni114A.lj5



FF6

```
504 % hangul lead ieung-theiuth
505 beginsuglyph("uni114A.lj5";74);
506   hangul.combine.lr(111,116)(whatever,lixf,loxf);
507   tsu_render;
508 endsuglyph;
509
```

FF6

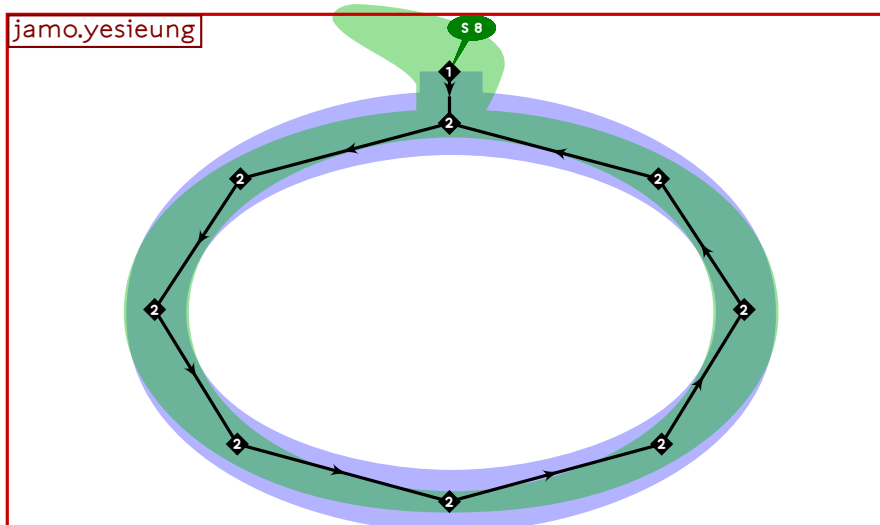
```

510 % hangul lead ieung-phieuph
511 begintsuglyph("uni114B.lj5";75);
512 hangul.combine.lr(111,117)(whatever,lixf,loxf);
513 tsu_render;
514 endtsuglyph;
515

```

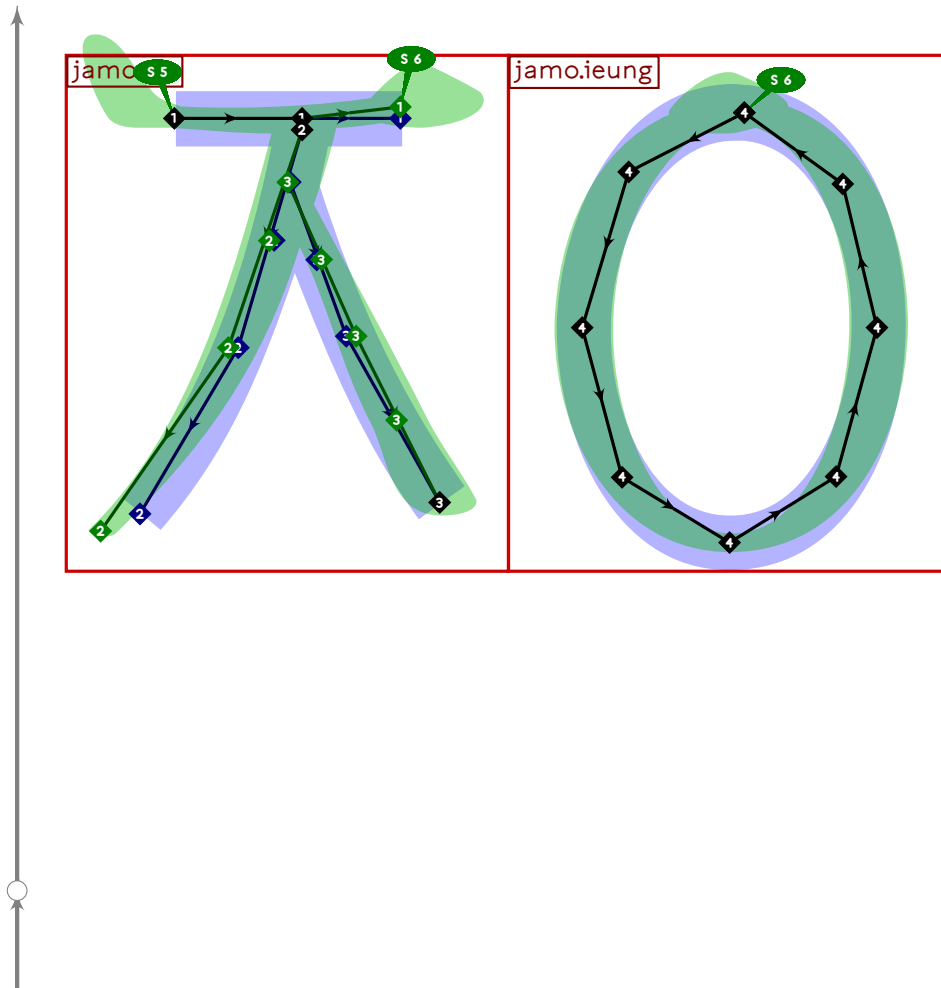
U+FF64C
mande.uni114C.lj5

jamo.yesieung



FF6

```
516 % hangul lead yesieung
517 beginsuglyph("uni114C.lj5";76);
518   hangul.jamo.yesieung(whatever,lixf,loxf);
519   tsu_render;
520 endsuglyph;
521
```

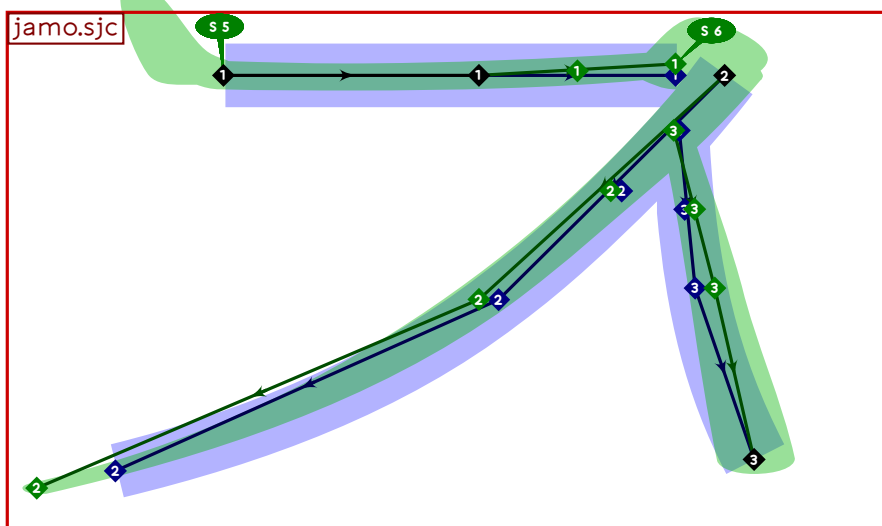


```

522 % hangul lead cieuc-ieung
523 beginsuglyph("uni114D.lj5;77);
524   hangul.combine.lr(112,111)(whatever,lixf,loxf);
525   tsu_render;
526 endsuglyph;
527

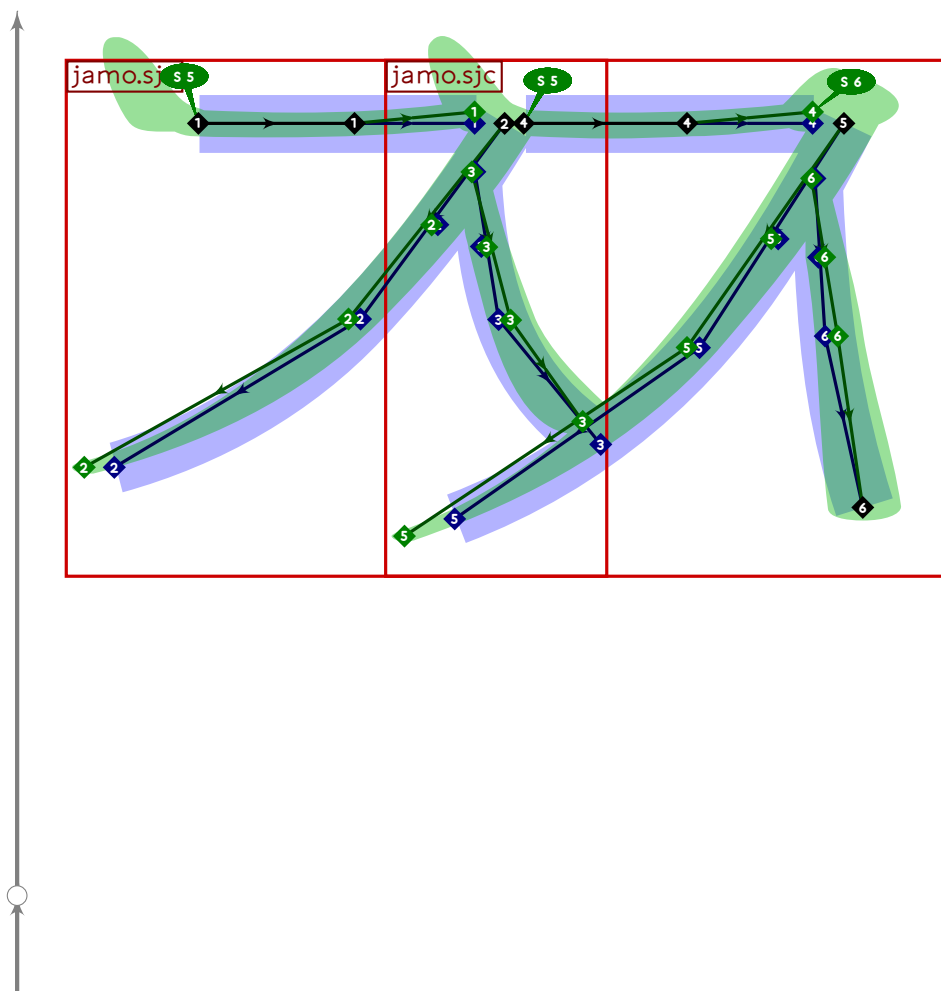
```

U+FF64E
mande.uni114E.lj5



FF6

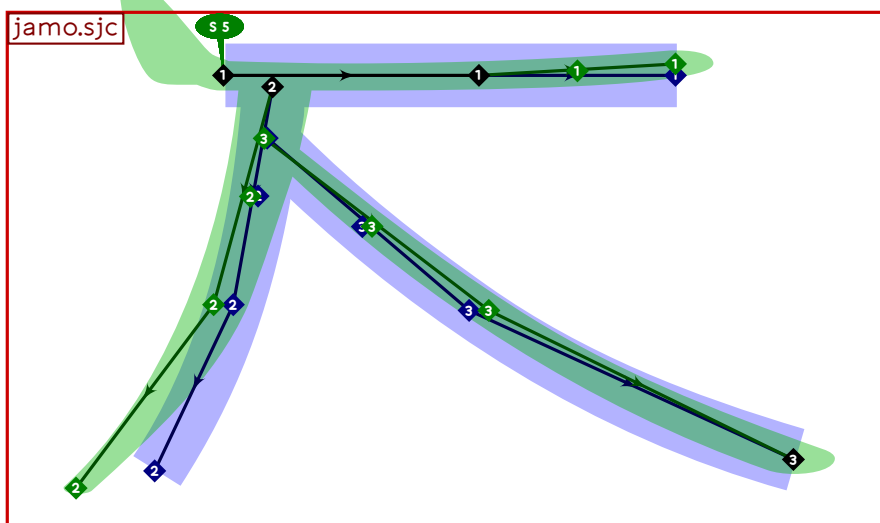
```
528 % hangul lead chitueumcieuc
529 begintsuglyph("uni114E.lj5";78);
530 hangul.jamo.sjc(1,1,false)(whatever,lixf,loxf);
531 tsu_render;
532 endtsuglyph;
533
```



FF6

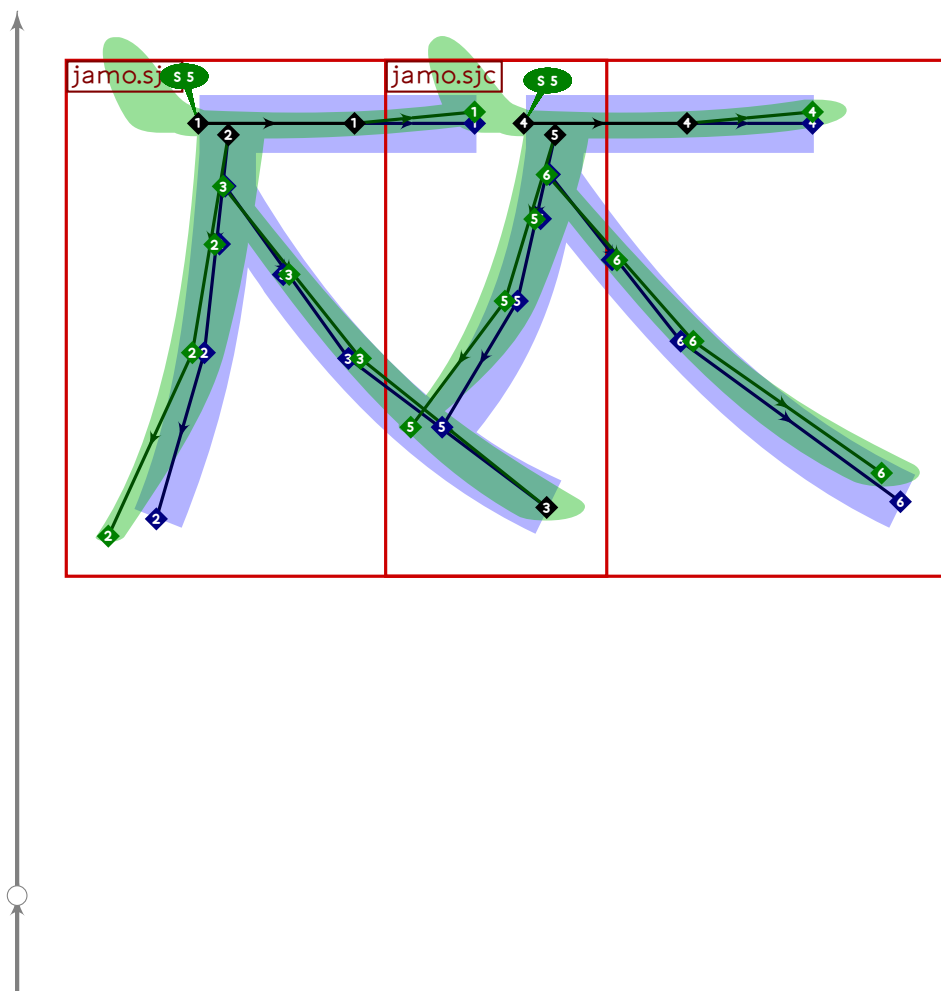
```
534 % hangul lead chitueumssangcieuc
535 begint Suglyph("uni114F.lj5";79);
536 hangul.combine.lr(227,226)(whatever,lixf,loxf);
537 tsu_render;
538 endtsuglyph;
539
```

U+FF650
mande.uni1150.lj5



FF6

```
540 % hangul lead ceongchieumcieuc
541 begint Suglyph("uni1150.lj5";80);
542   hangul.jamo.sjc(1,-1,false)(whatever,lixf,loxf);
543   tsu_render;
544 endtsuglyph;
545
```



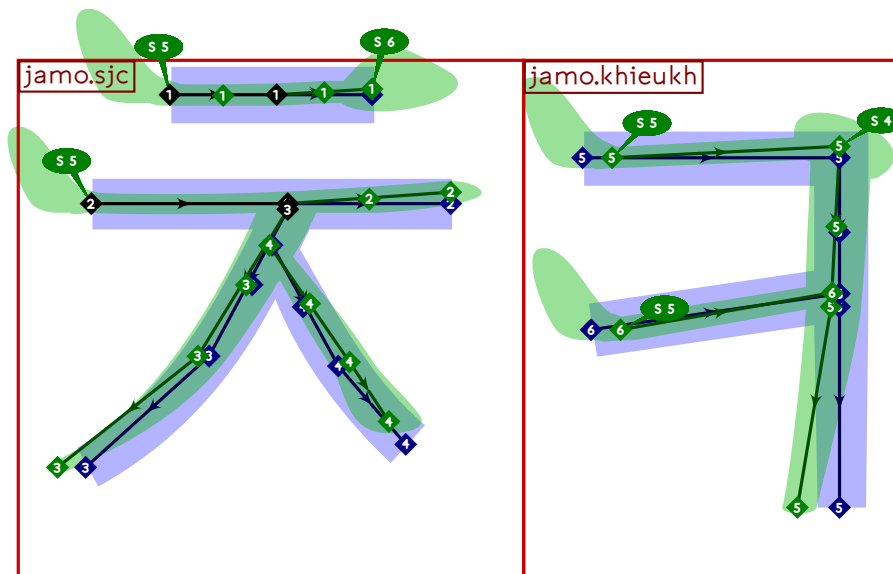
FF6

```

546 % hangul lead ceongchieumssangcieuc
547 begint Suglyph("uni1151.lj5",81);
548   hangul.combine.lr(228,229)(whatever,lixf,loxf);
549   tsu_render;
550 endtsuglyph;
551

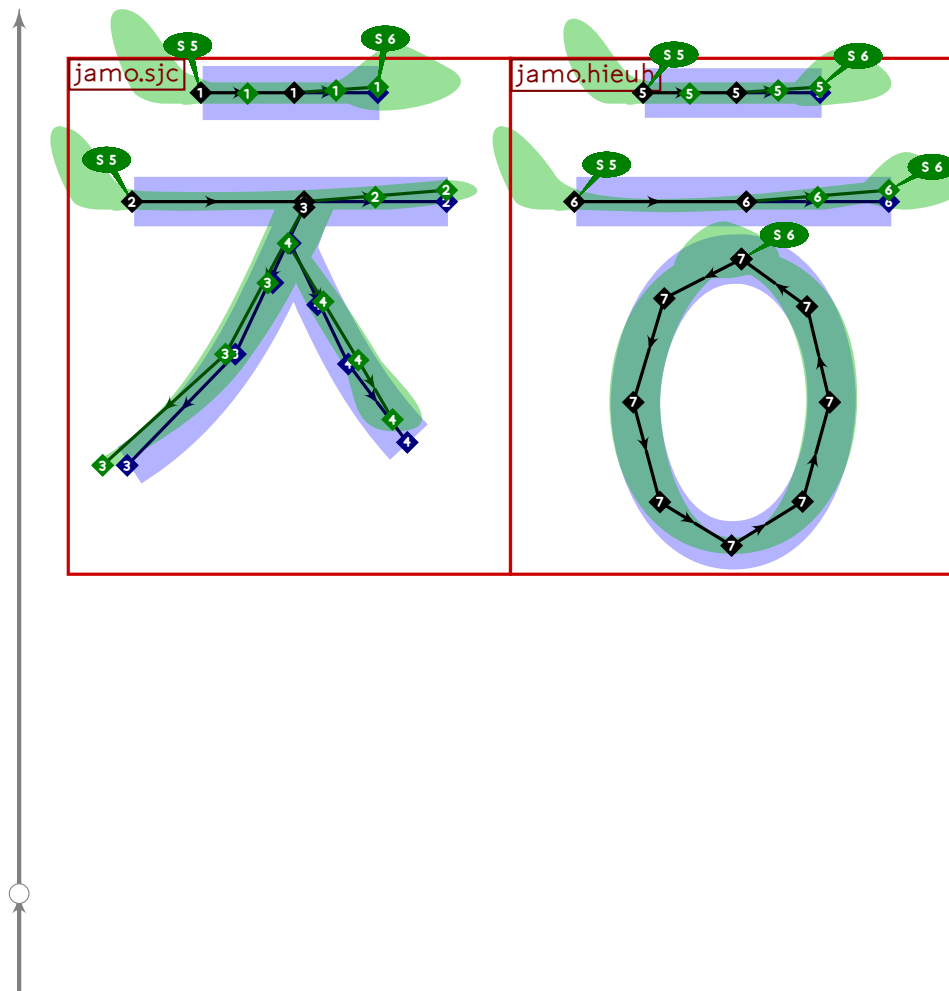
```

U+FF652
mande.uni1152.lj5



FF6

```
552 % hangul lead chieuch-khieukh
553 beginsuglyph("uni1152.lj5";82);
554 hangul.combine.lcr(214,230,115)(whatever,lixf,loxf);
555 tsu_render;
556 endsuglyph;
557
```

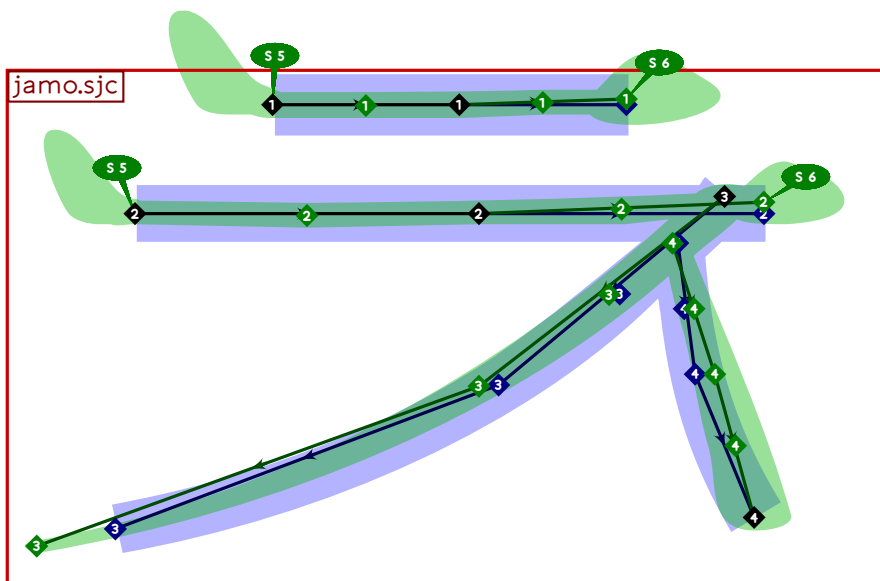
```

558 % hangul lead chieuch-hieuh
559 begint Suglyph("uni1153.lj5";83);
560 hangul.combine.lcr(214,230,118)(whatever;lixf,loxf);
561 tsu_render;
562 endtsuglyph;
563

```

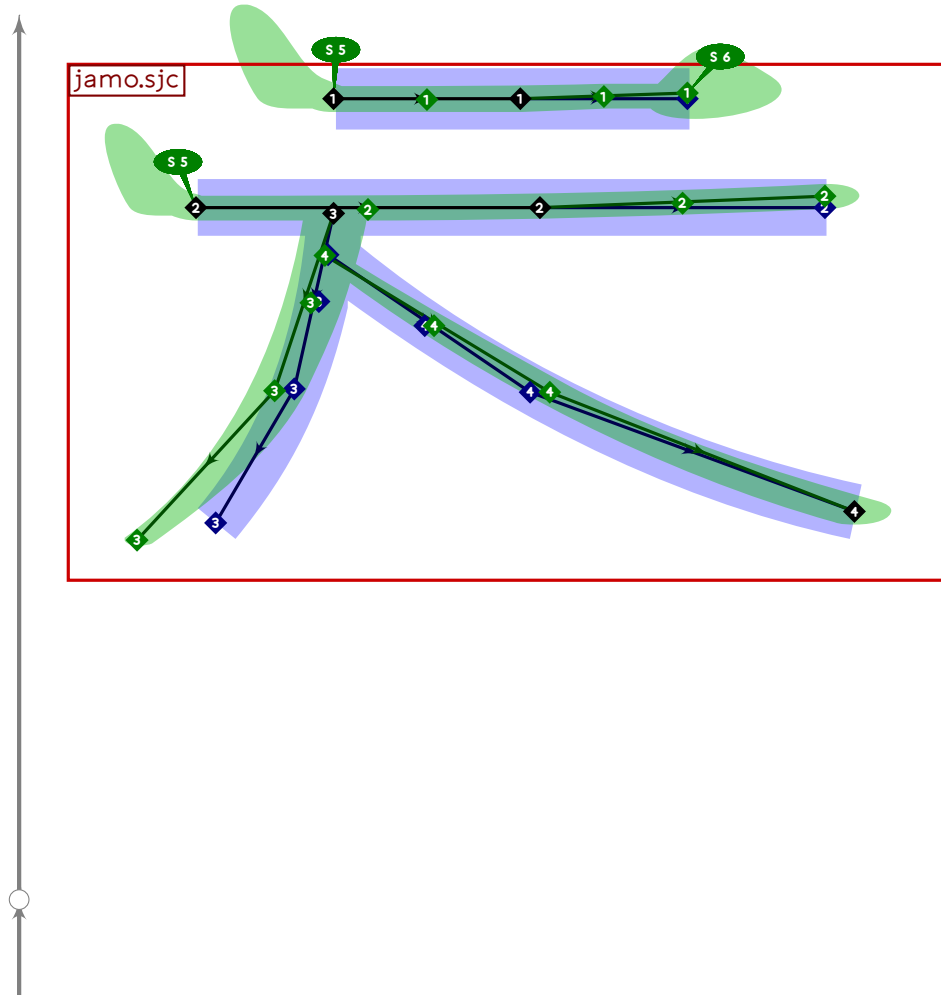
FF6

U+FF654
mande.uni1154.lj5



FF6

```
564 % hangul lead chitueumcieuc
565 beginsuglyph("uni1154.lj5";84);
566   hangul.jamo.sjc(2,1,false)(whatever,lixf,loxf);
567   tsu_render;
568 endsuglyph;
569
```

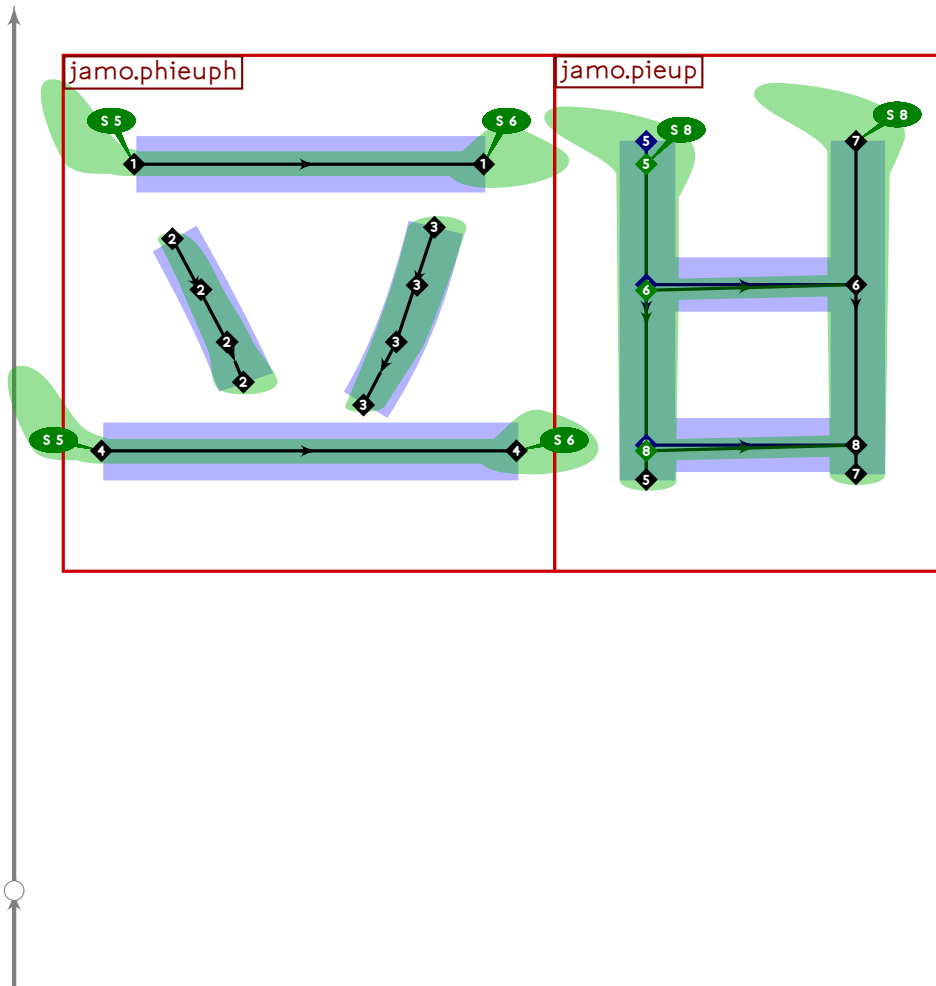


```

570 % hangul lead ceongchieumcieuc
571 begint Suglyph("uni1155.lj5";85);
572   hangul.jamo.sjc(2,-1,false)(whatever,lxf,loxf);
573   tsu_render;
574 endtsuglyph;
575

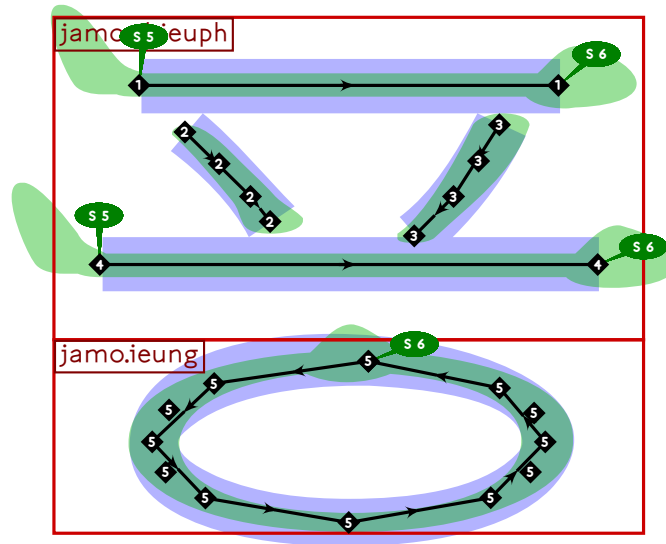
```

U+FF656
mande.uni1156.lj5



FF6

```
576 % hangul lead phieuph-pieup
577 begintsuglyph("uni1156.lj5";86);
578   hangul.combine.lr(117,107)(whatever,lixf,loxf);
579   tsu_render;
580 endsuglyph;
581
```

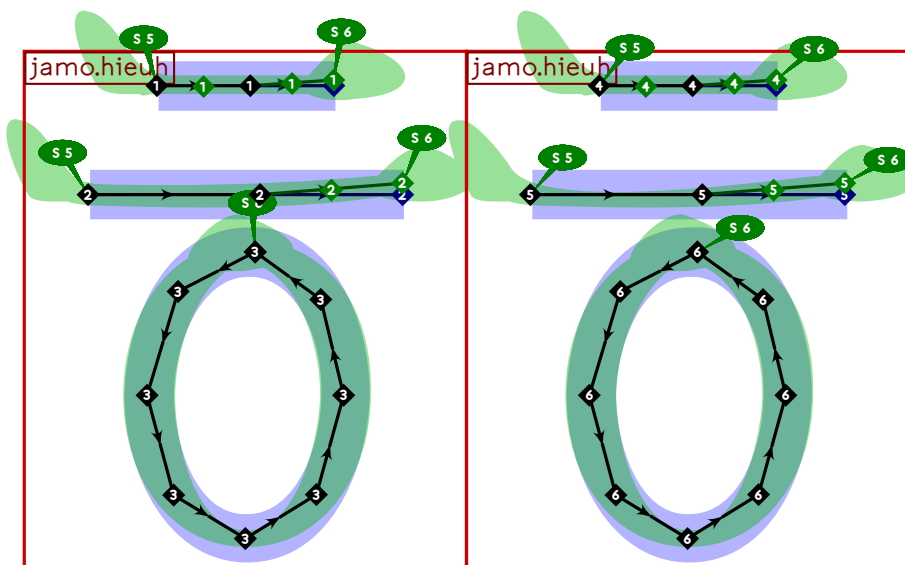


```

582 % hangul lead kapyeounphieuph
583 begintsuglyph("uni1157.lj5",87);
584   hangul.combine.tb(117,521)(whatever,
585     hxf((250,850),(850,-50)) transformed lixf,loxf);
586   tsu_render;
587 endtsuglyph;
588

```

U+FF658
mande.uni1158.lj5

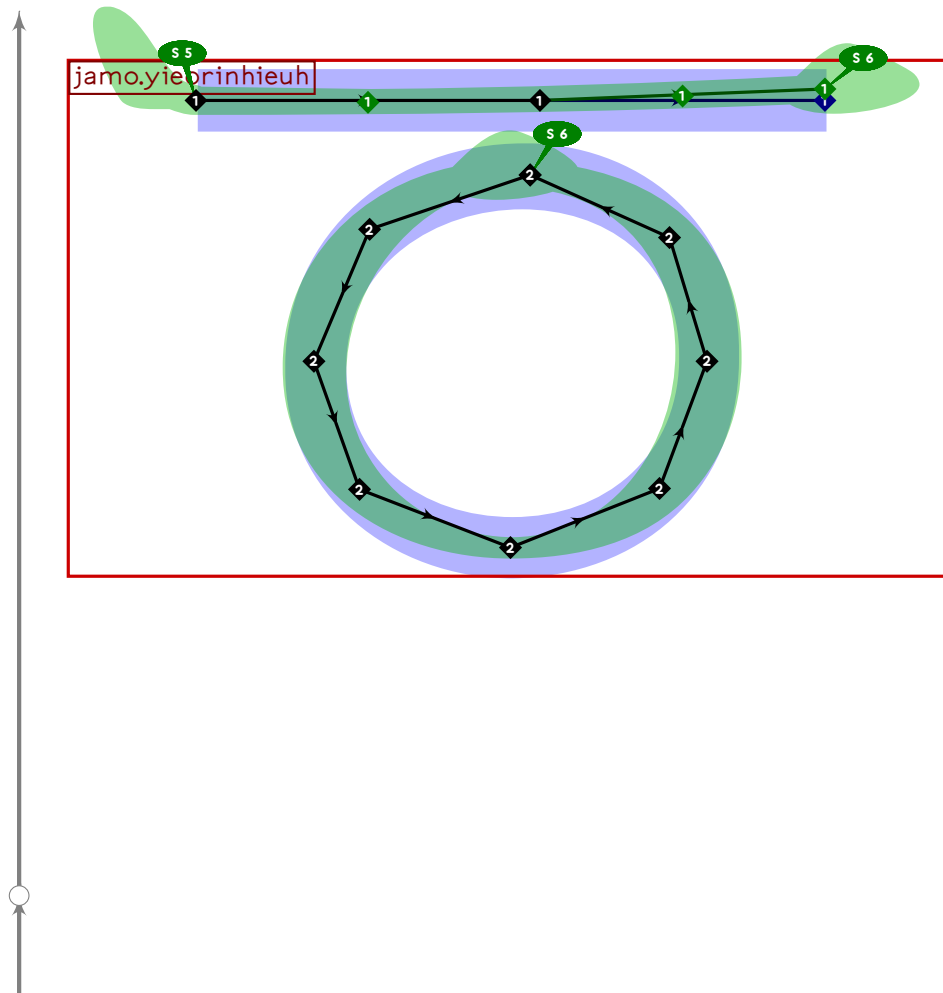


FF6

```

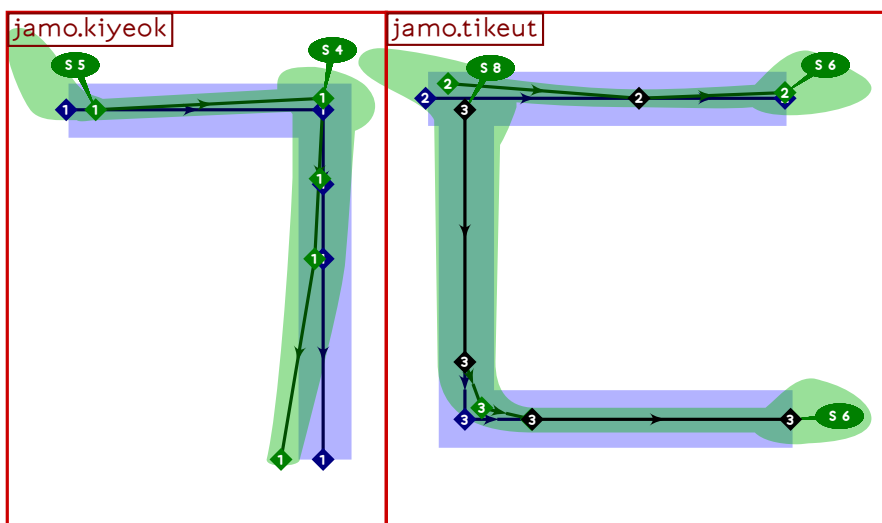
589 % hangul lead ssanghieuh
590 beginsuglyph("uni1158.lj5";88);
591   hangul.combine.lcr(118,230,118)(whatever,lixf,loxf);
592   tsu_render;
593 endsuglyph;
594

```



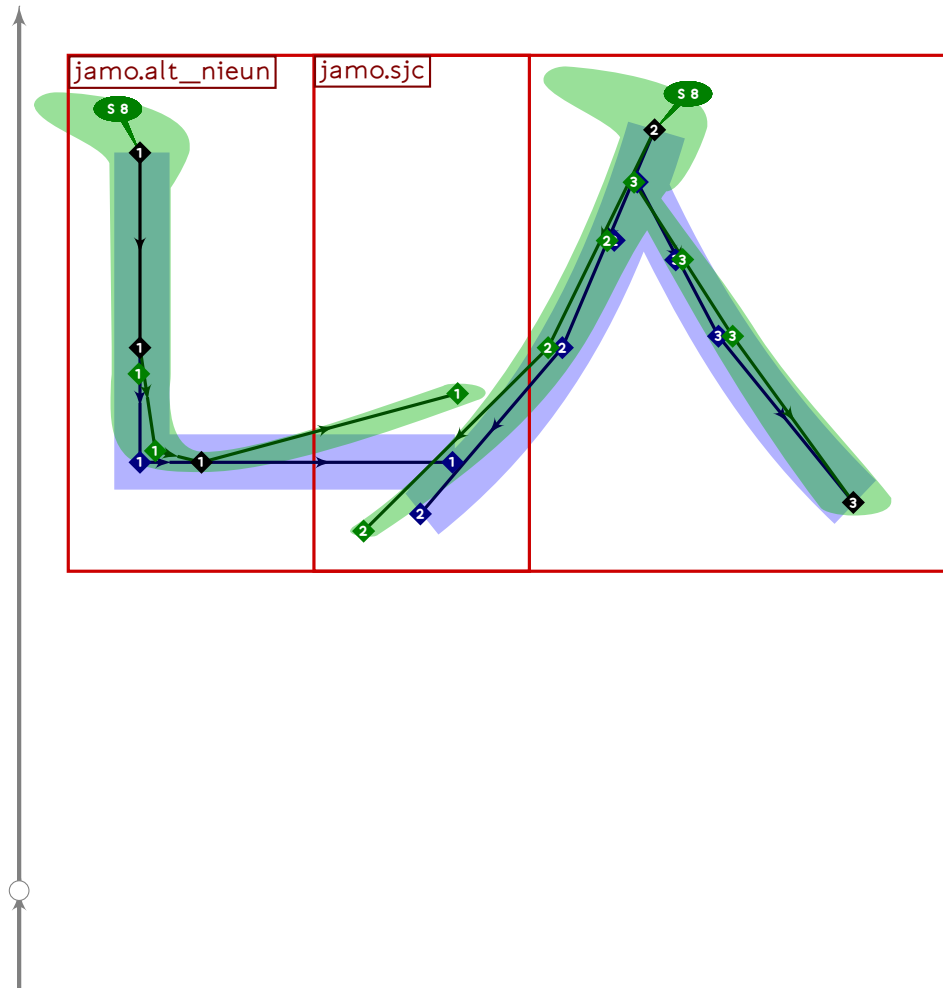
```
595 % hangul lead yeorinhieuh
596 beginsuglyph("uni1159.lj5",89);
597 hangul.jamo.yeorinhieuh(whatever,lixf,loxf);
598 tsu_render;
599 endsuglyph;
600
```

U+FF65A
mande.uni115A.lj5



FF6

```
601 % hangul lead kiyeok-tikeut
602 beginsuglyph("uni115A.lj5";90);
603   hangul.combine.lr(100,103)(whatever,lixf,loxf);
604   tsu_render;
605 endsuglyph;
606
```

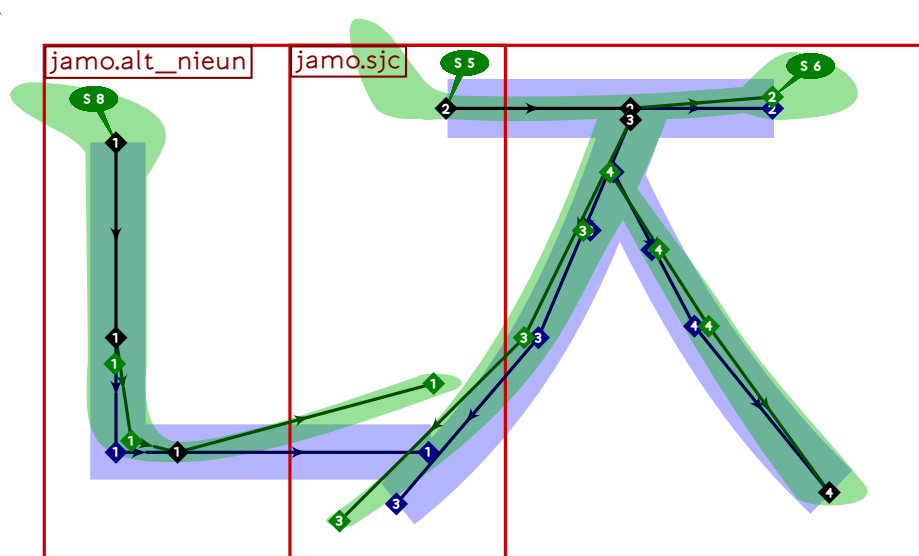
FF6

```

607 % hangul lead nieun-sios
608 begint Suglyph("uni115B.lj5";91);
609   hangul.combine.lr(202,109)(whatever,lixf,loxf);
610   tsu_render;
611 endtsuglyph;
612

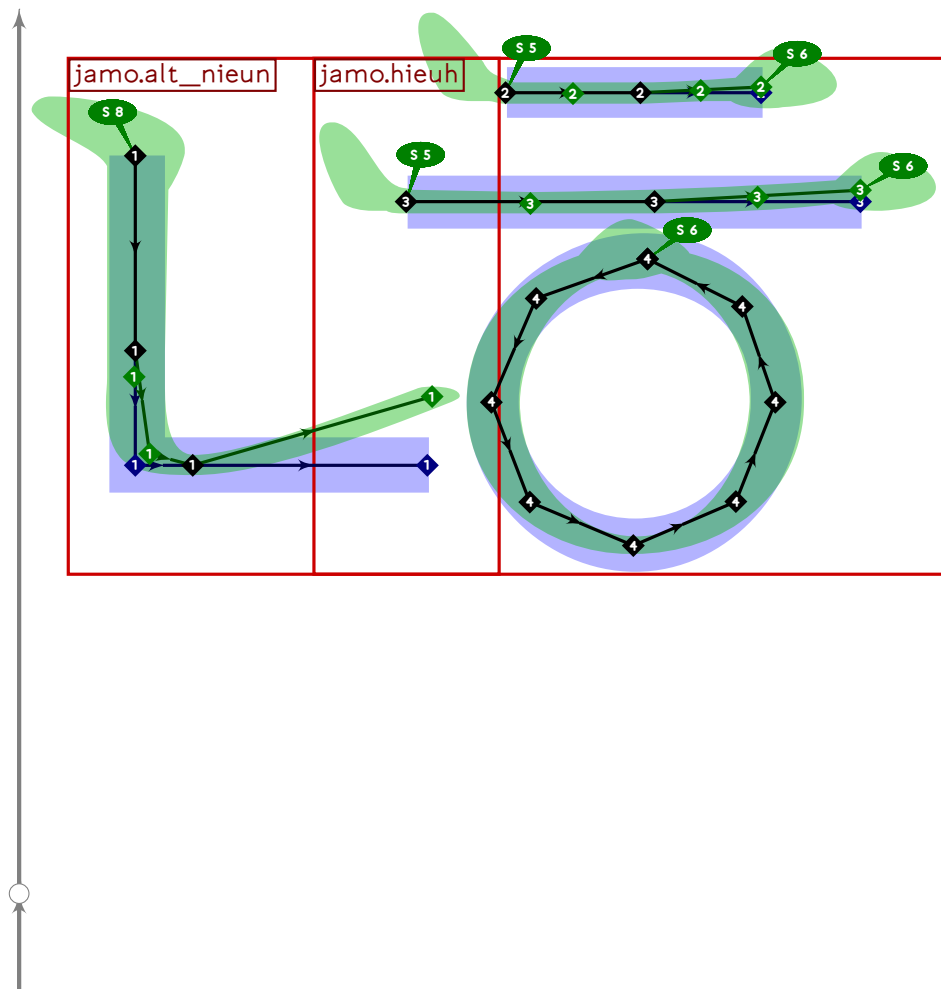
```

U+FF65C
mande.uni115C.lj5



FF6

```
613 % hangul lead nieun-cieuc
614 begint Suglyph("uni115C.lj5";92);
615   hangul.combine.lr(202,112)(whatever,lixf,loxf);
616   tsu_render;
617 endtsuglyph;
618
```



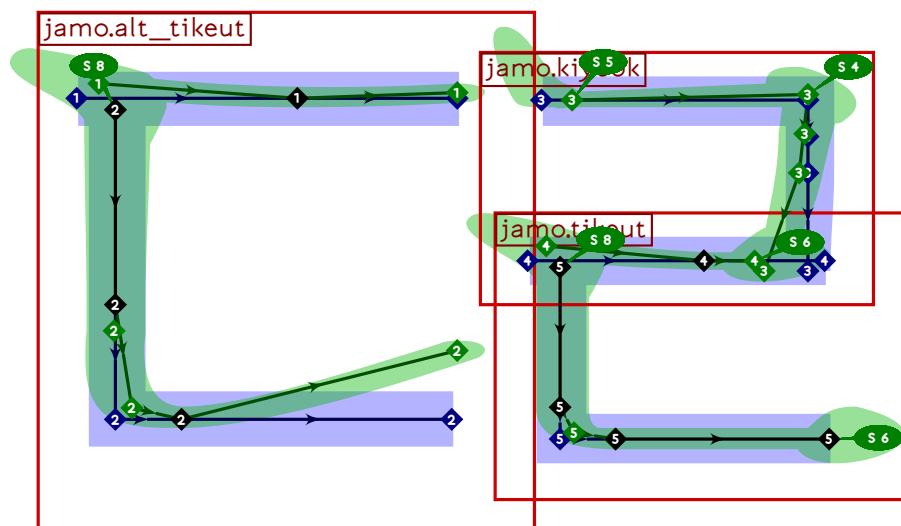
FF6

```

619 % hangul lead nieun-hieuh
620 beginsuglyph("uni115D.lj5";93);
621   hangul.combine.lr(202,118)(whatever,lixf,loxf);
622   tsu_render;
623 endsuglyph;
624

```

U+FF65E
mande.uni115E.lj5

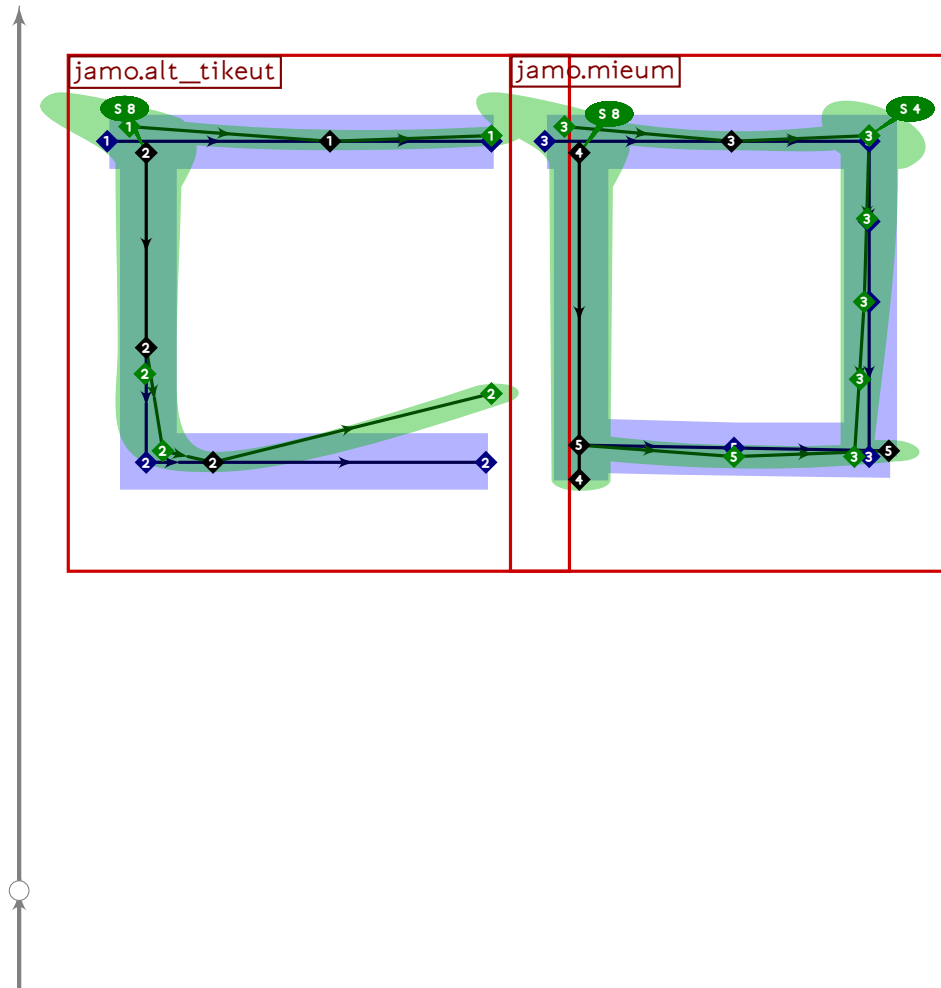


FF6

```

625 % hangul lead tikeut-rieul
626 begint Suglyph("uni115E.lj5";94);
627   hangul.combine.lr(203,105)(whatever,lixf,loxf);
628   tsu_render;
629 endtsuglyph;
630

```



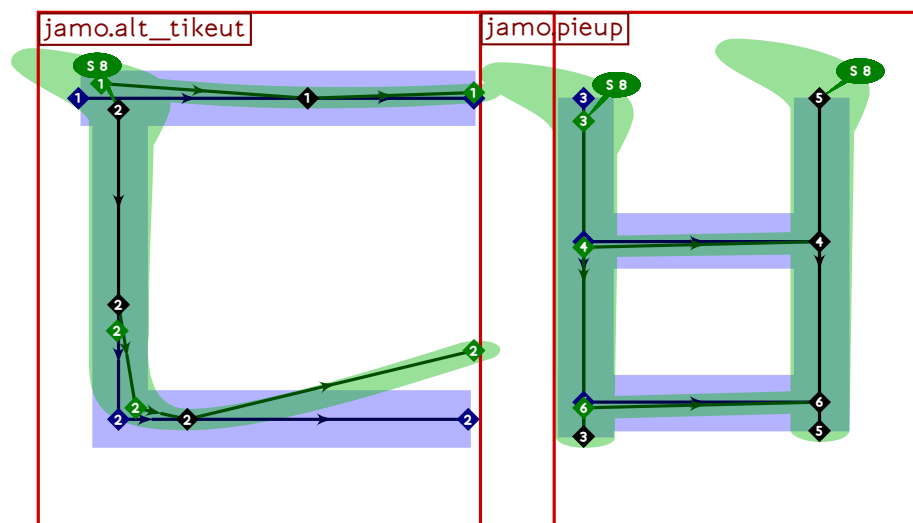
```

631 % hangul lead tikeut-mieum
632 beginsuglyph("uniA960.lj5";96);
633   hangul.combine.lr(203,106)(whatever,lixf,loxf);
634   tsu_render;
635 endsuglyph;
636

```

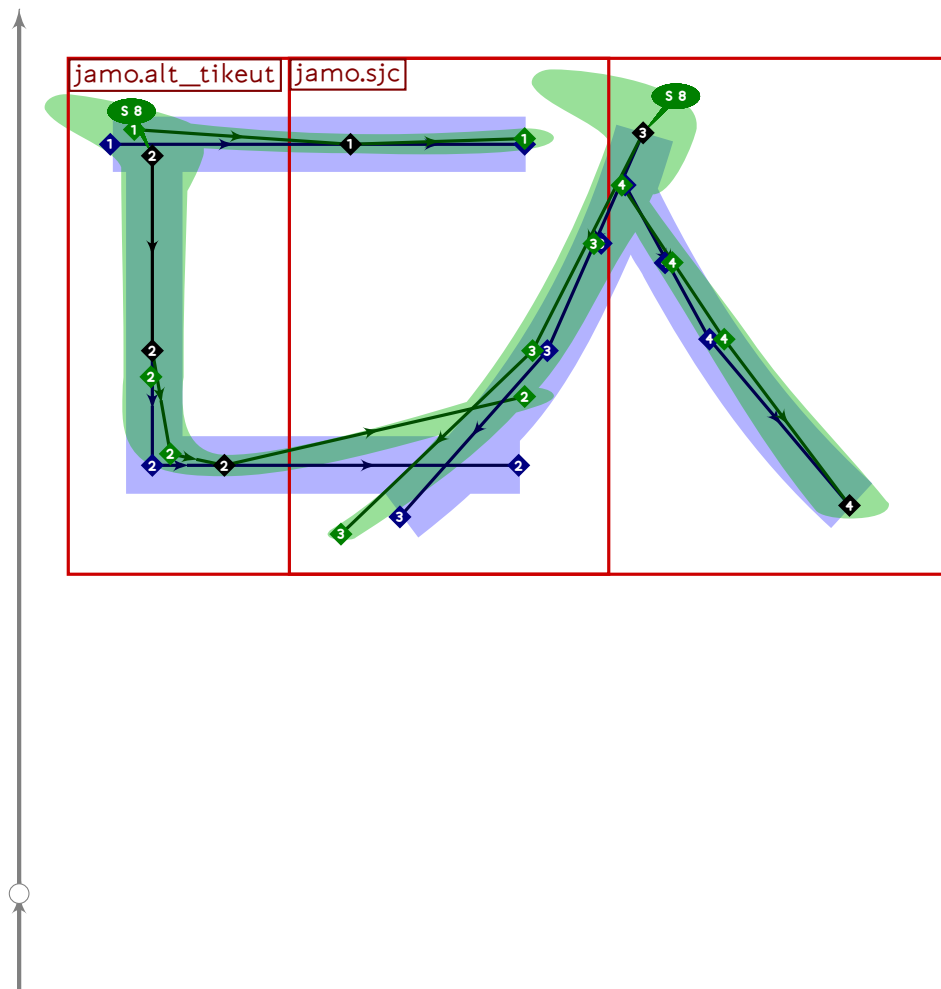
FF6

U+FF661
mande.uniA961.lj5



FF6

```
637 % hangul lead tikeut-pieup
638 begint Suglyph("uniA961.lj5";97);
639   hangul.combine.lr(203,107)(whatever,lixf,loxf);
640   tsu_render;
641 endtsuglyph;
642
```

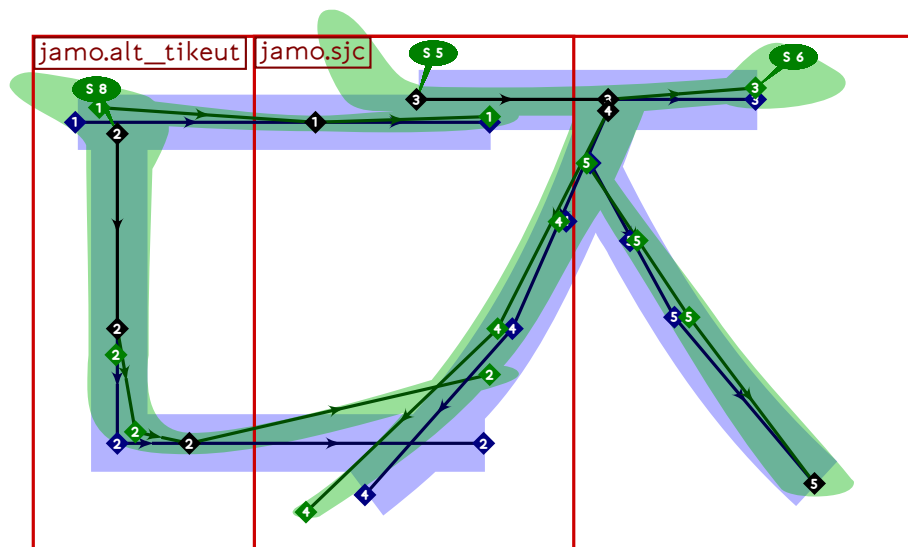


```

643 % hangul lead tikeut-sios
644 begintsuglyph("uniA962.lj5'98);
645   hangul.combine.lr(203,109)(whatever,lixf,loxf);
646   tsu_render;
647 endtsuglyph;
648

```

U+FF663
mande.uniA963.lj5

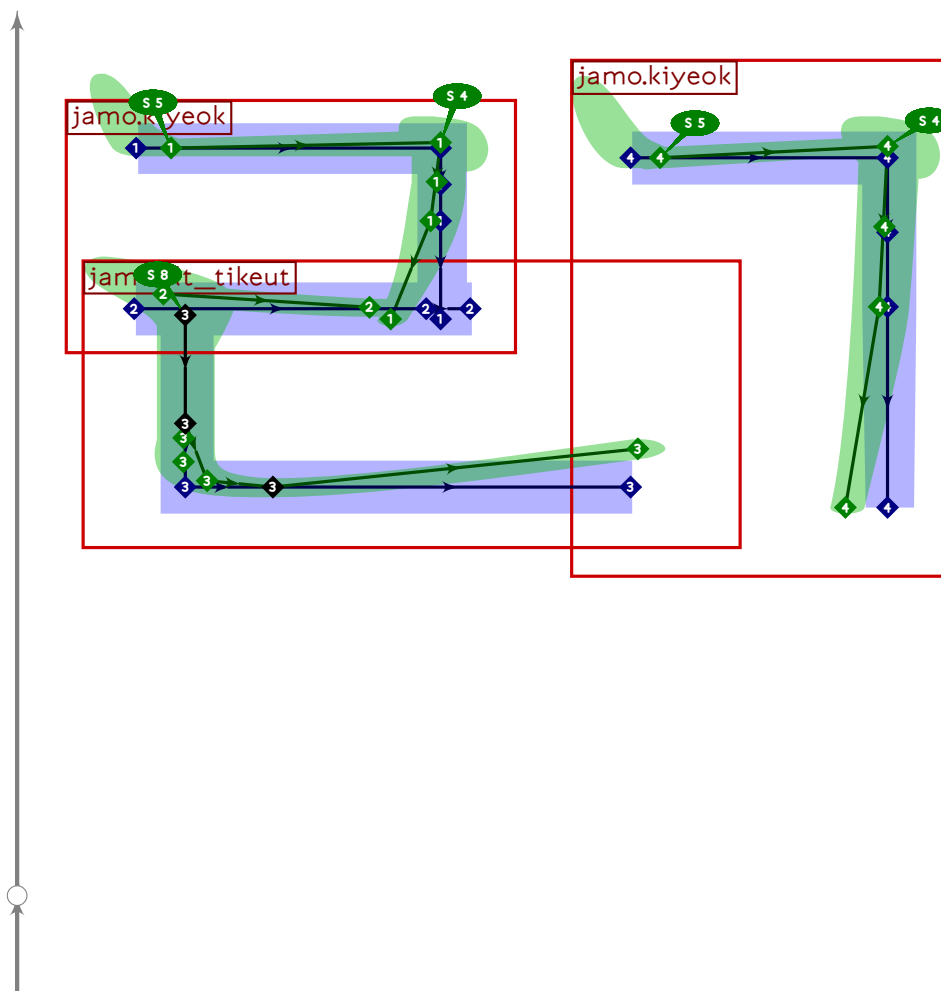


FF6

```

649 % hangul lead tikeut-cieuc
650 begint Suglyph("uniA963.lj5",99);
651   hangul.combine.lr(203,112)(whatever,lixf,loxf);
652   tsu_render;
653 endtsuglyph;
654

```

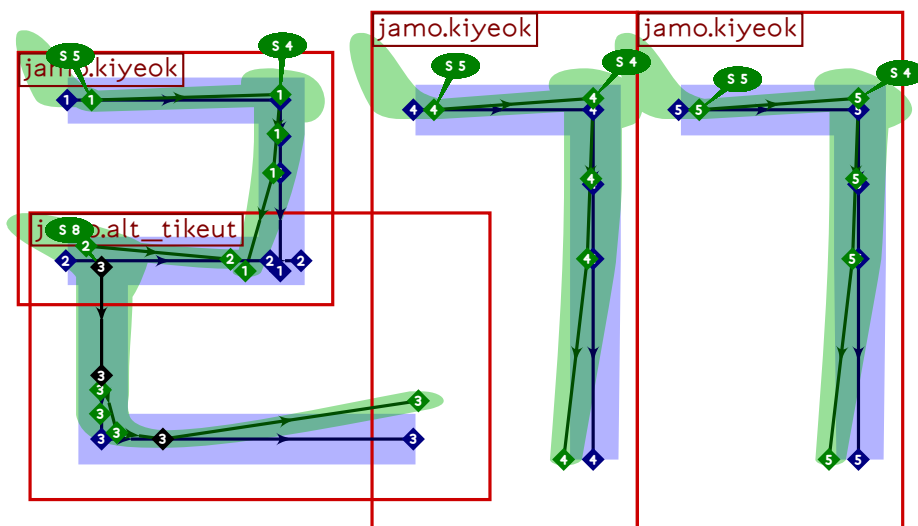



```

655 % hangul lead rieul-kiyeok
656 beginsuglyph("uniA964.lj5",100);
657 hangul.combine.lr(205,100)(whatever,lixf,loxf);
658 tsu_render;
659 endsuglyph;
660

```

U+FF665
mande.uniA965.lj5

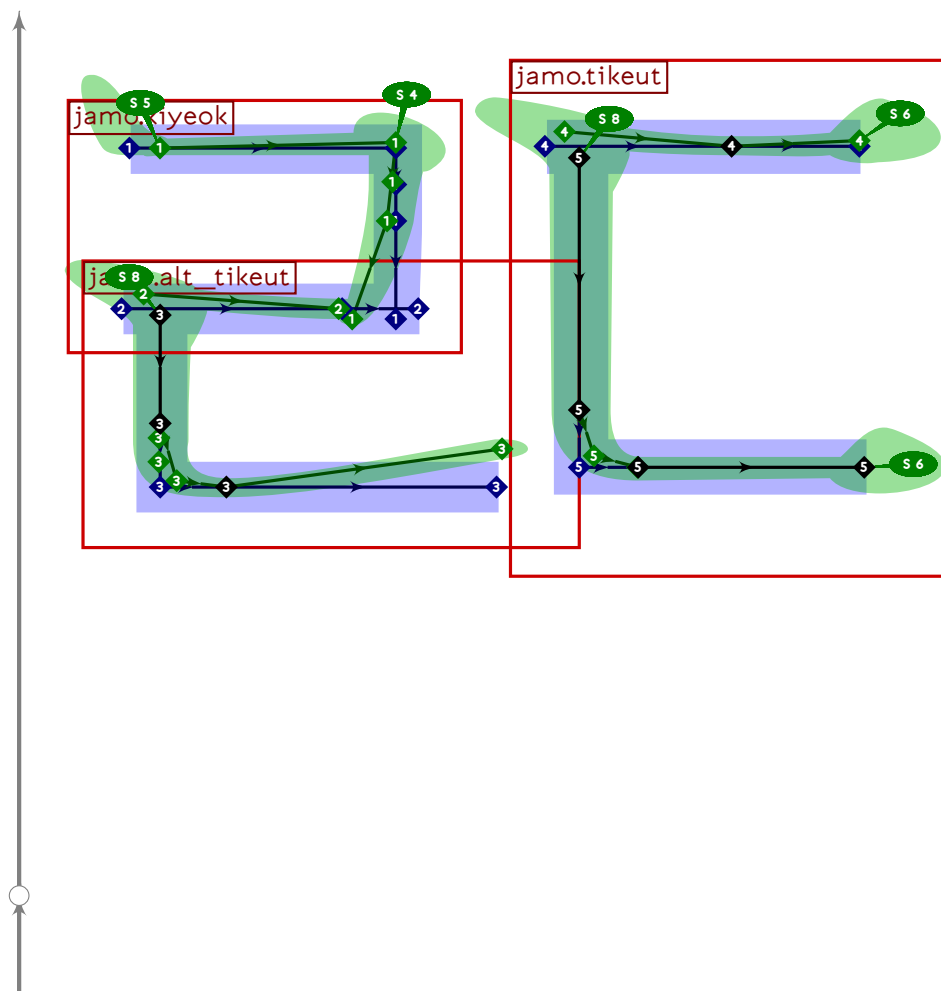


FF6

```

661 % hangul lead rieul-ssangkiyeok
662 begint Suglyph("uniA965.lj5",101);
663   hangul.combine.lcr(205,100,100)(whatever,lixf,loxf);
664   tsu_render;
665 endtsuglyph;
666

```

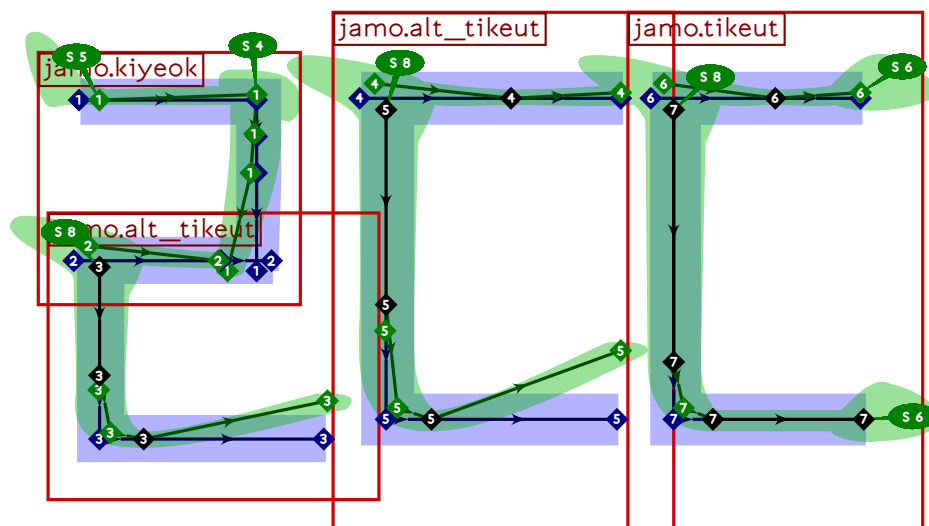


```

667 % hangul lead rieul-tikeut
668 begint Suglyph("uniA966.lj5";102);
669 hangul.combine.lr(205,103)(whatever,lixf,loxf);
670 tsu_render;
671 endtsuglyph;
672

```

U+FF667
mande.uniA967.lj5

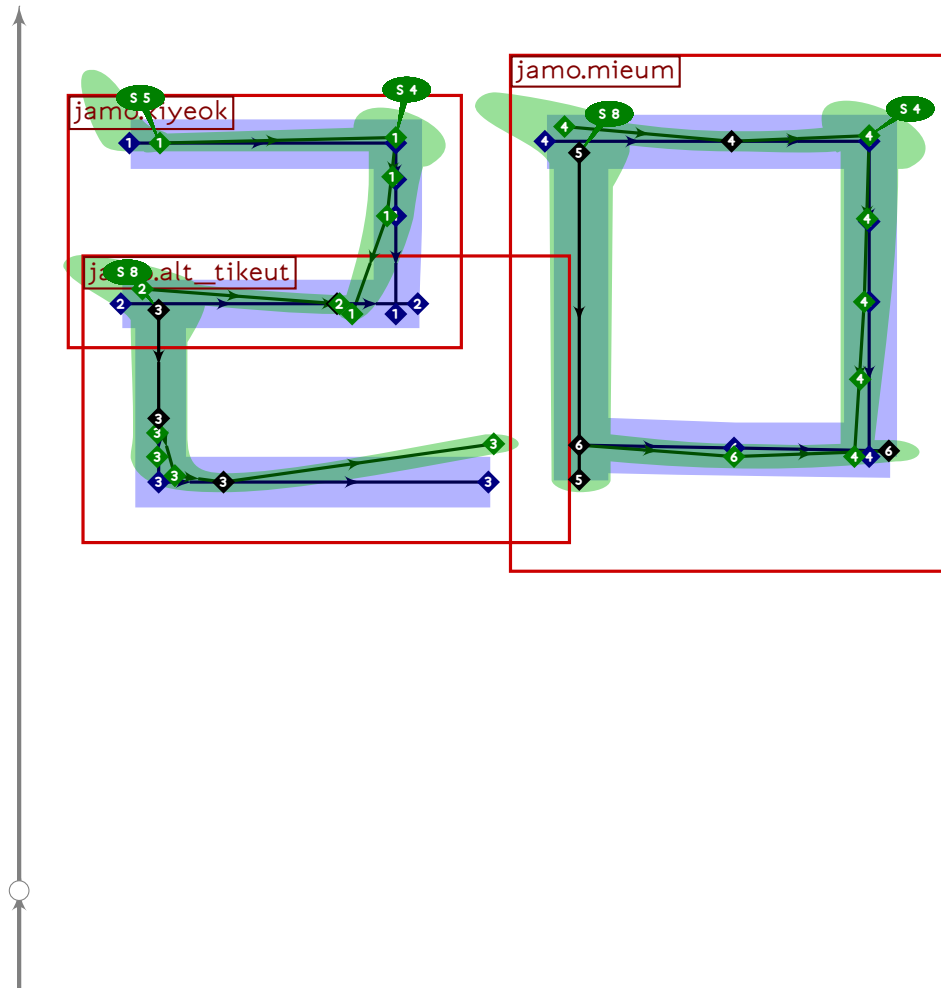


FF6

```

673 % hangul lead rieul-ssangtikeut
674 begint Suglyph("uniA967.lj5",103);
675   hangul.combine.lcr(205,203,103)(whatever,lixf,loxf);
676   tsu_render;
677 endtsuglyph;
678

```



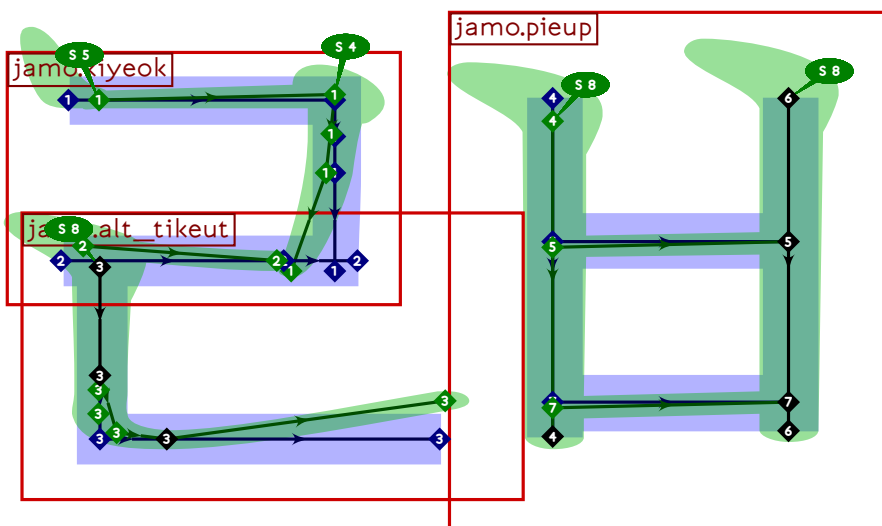
FF6

```

679 % hangul lead rieul-mieum
680 beginsuglyph("uniA968.lj5";104);
681   hangul.combine.lr(205,106)(whatever,lixf,loxf);
682   tsu_render;
683 endsuglyph;
684

```

U+FF669
mande.uniA969.lj5

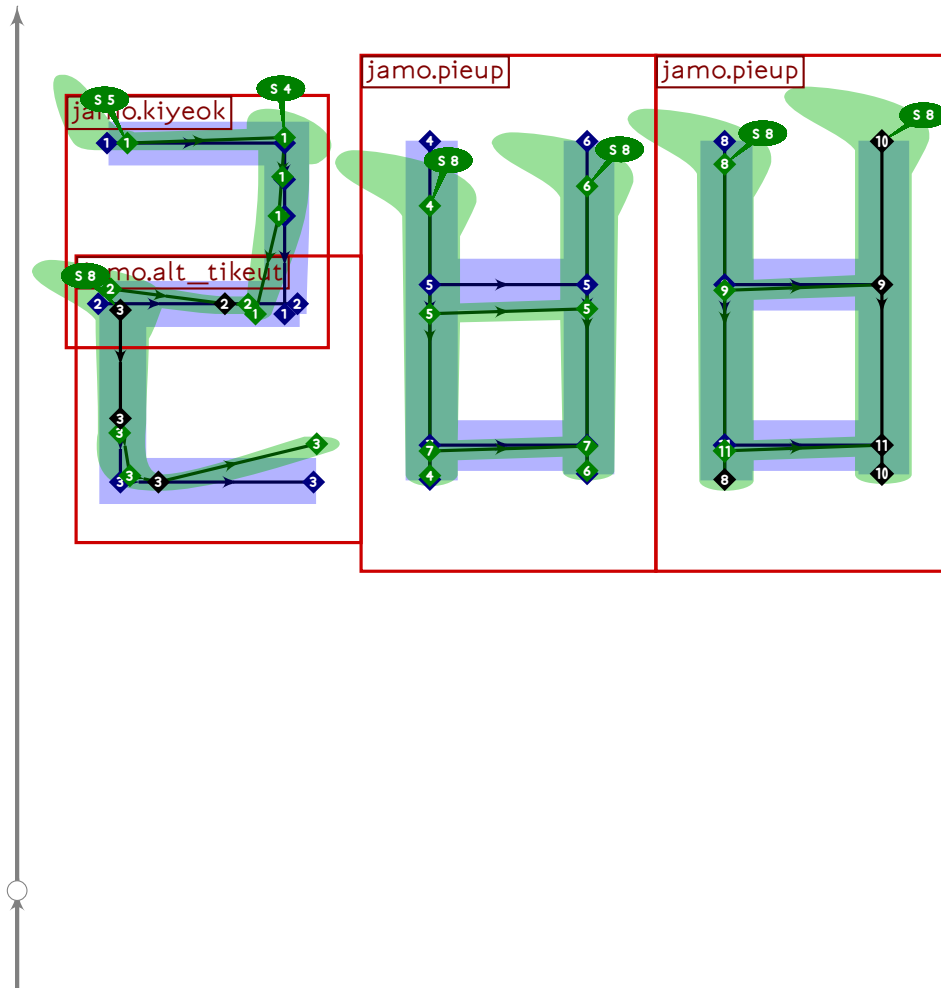


FF6

```

685 % hangul lead rieul-pieup
686 begint Suglyph("uniA969.lj5",105);
687   hangul.combine.lr(205,107)(whatever,lixf,loxf);
688   tsu_render;
689 endtsuglyph;
690

```

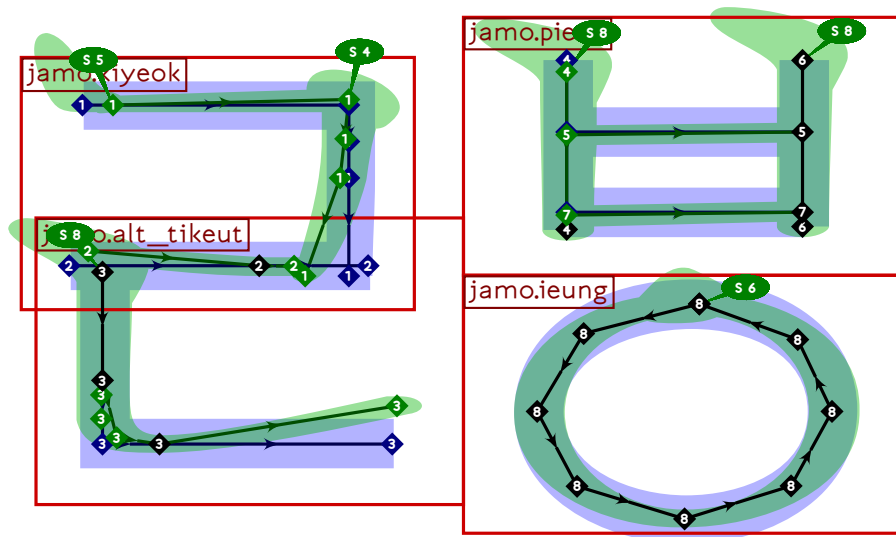


```

691 % hangul lead rieul-ssangpieup
692 begintsuglyph("uniA96A.lj5";106);
693   hangul.combine.lcr(205,207,107)(whatever,lixf,loxf);
694   tsu_render;
695 endtsuglyph;
696

```

U+FF66B
mande.uniA96B.lj5

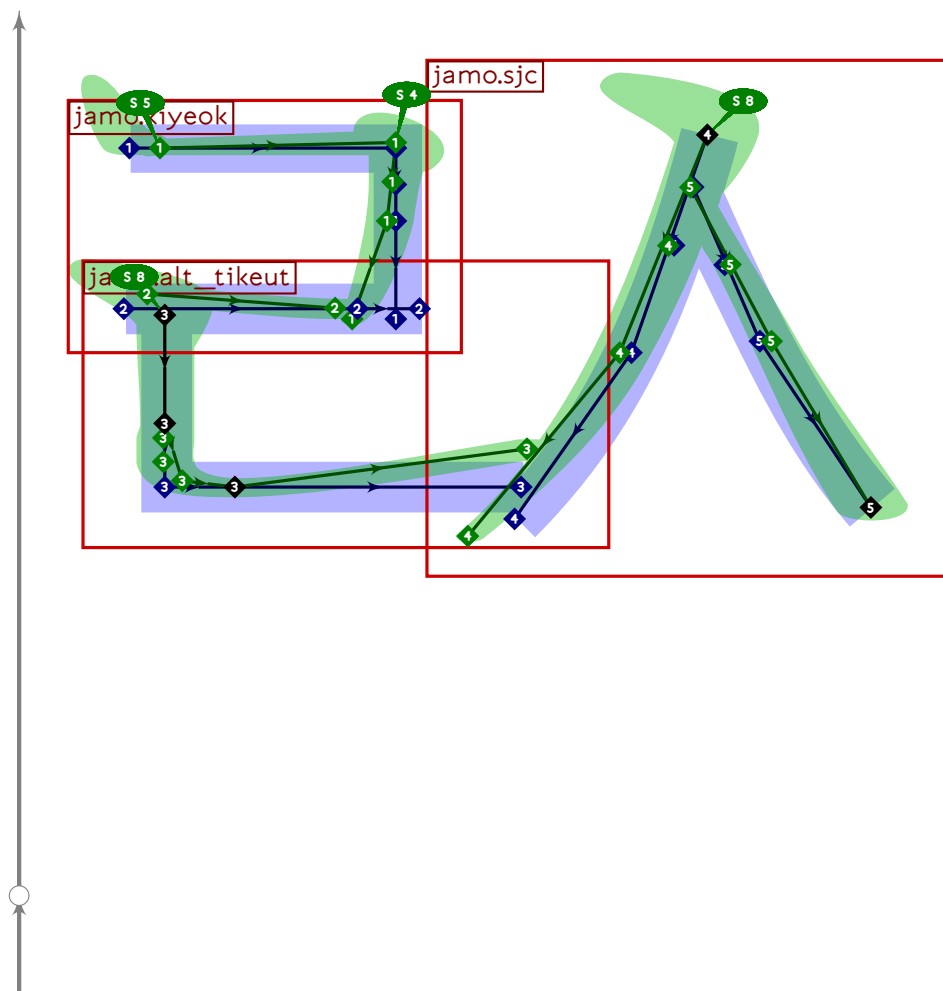


FF6

```

697 % hangul lead rieul-kapyeounpieup
698 begint Suglyph("uniA96B.lj5"l07);
699   hangul.combine.lr(205,231)(whatever,lixf,loxf);
700   tsu__render;
701 endt Suglyph;
702

```

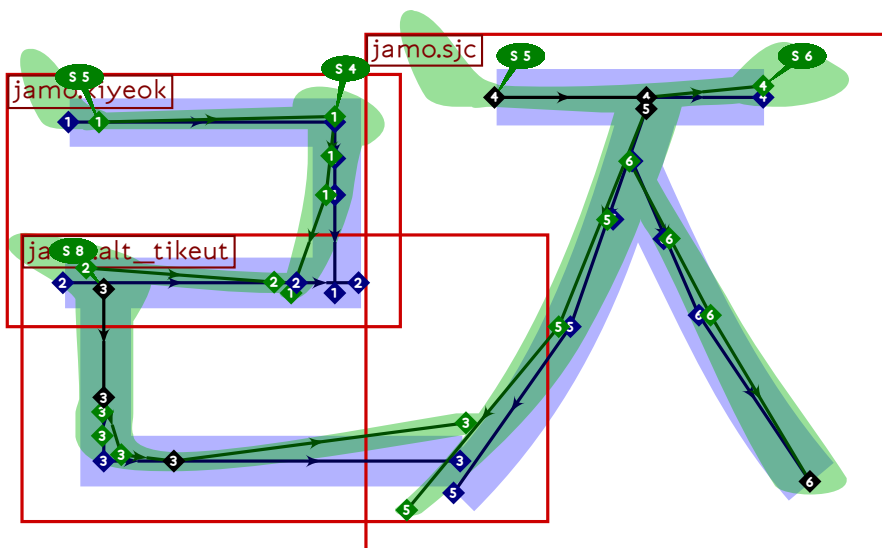
FF6

```

703 % hangul lead rieul-sios
704 begintsuglyph("uniA96C.lj5",108);
705   hangul.combine.lr(205,109)(whatever,lixf,loxf);
706   tsu_render;
707 endtsuglyph;
708

```

U+FF66D
mande.uniA96D.lj5

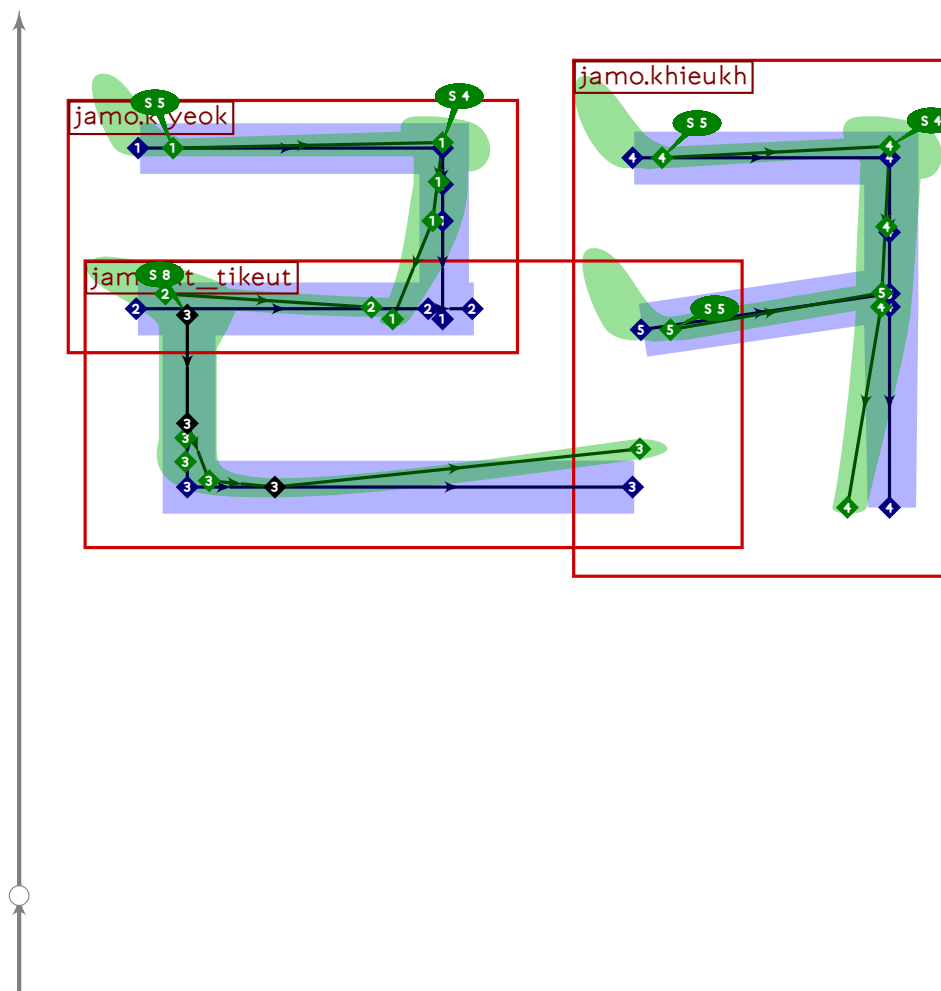


FF6

```

709 % hangul lead rieul-cieuc
710 beginsuglyph("uniA96D.lj5";109);
711   hangul.combine.lr(205,112)(whatever,lixf,loxf);
712   tsu_render;
713 endsuglyph;
714

```



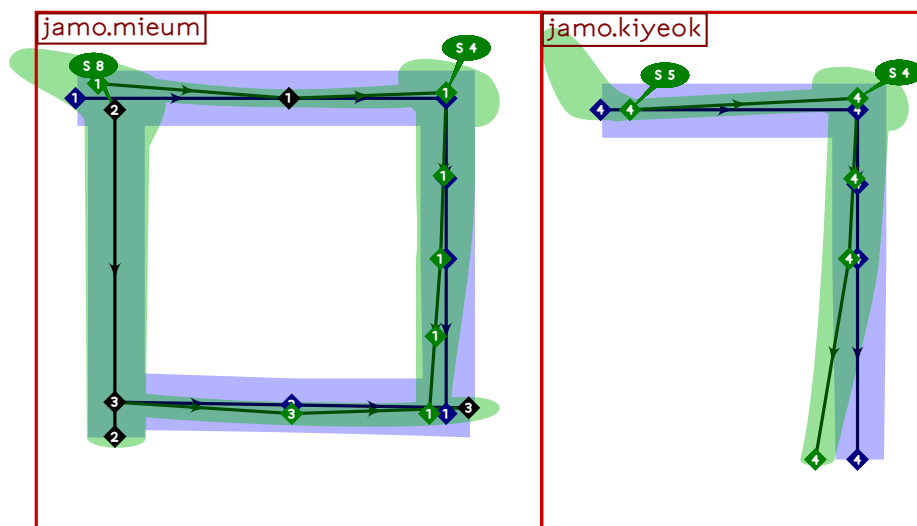
FF6

```

715 % hangul lead rieul-khieukh
716 begintsuglyph("uniA96E.lj5";110);
717   hangul.combine.lr(205,115)(whatever,lixf,loxf);
718   tsu_render;
719 endsuglyph;
720

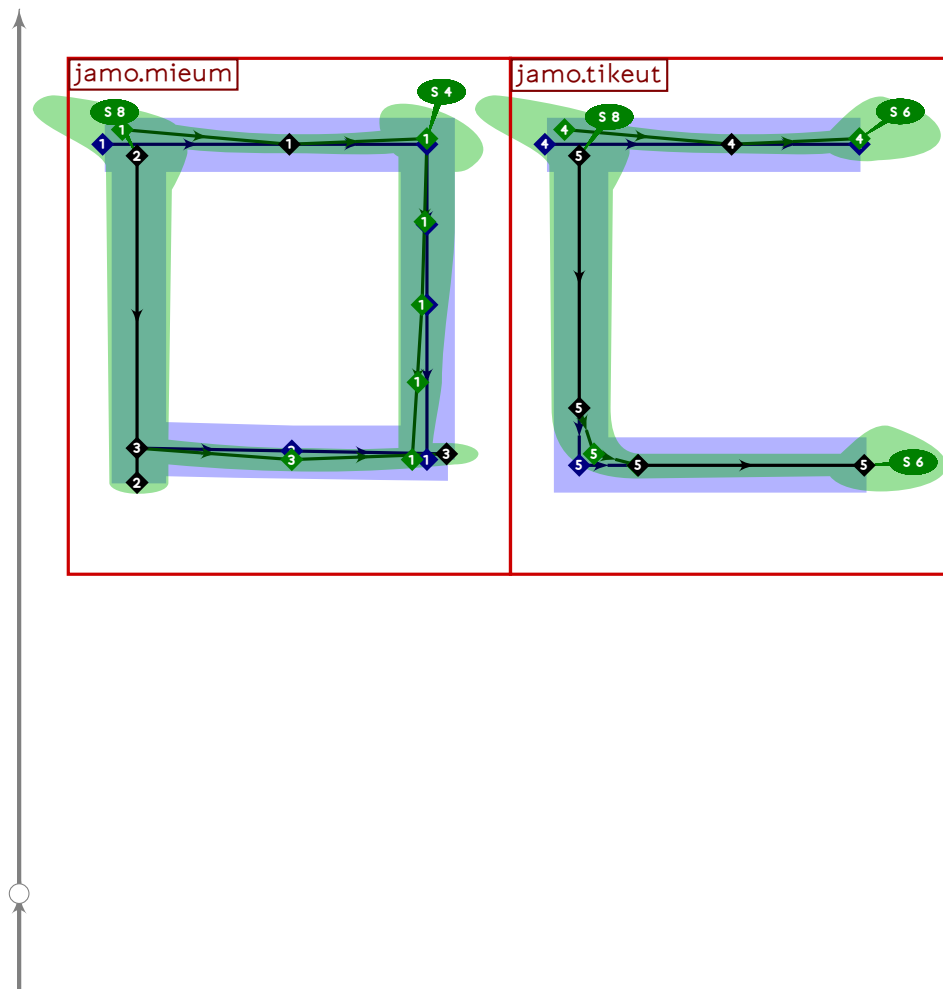
```

U+FF66F
mande.uniA96F.lj5



FF6

```
721 % hangul lead mieum-kiyeok
722 beginsuglyph("uniA96F.lj5",111);
723   hangul.combine.lr(106,100)(whatever,lixf,loxf);
724   tsu_render;
725 endsuglyph;
726
```



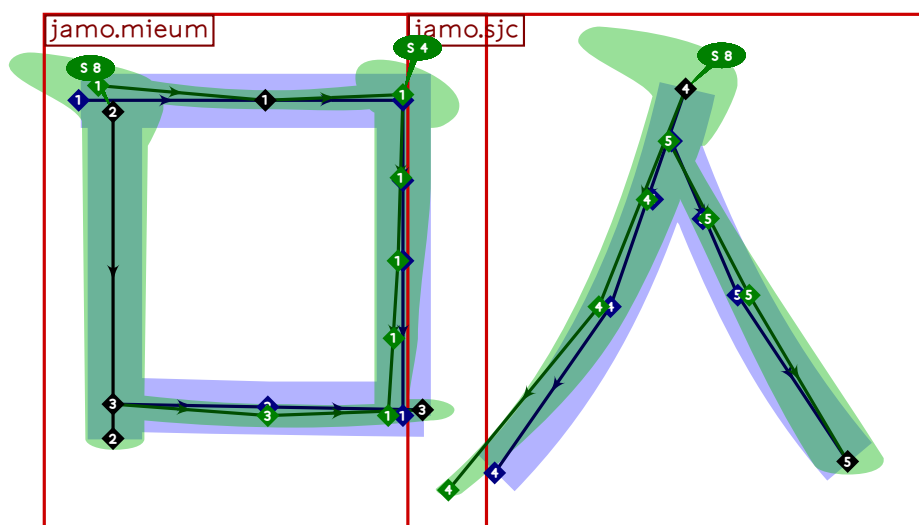
FF6

```

727 % hangul lead mieum-tikeut
728 beginsuglyph("uniA970.lj5",112);
729 hangul.combine.lr(106,103)(whatever,lixf,loxf);
730 tsu_render;
731 endsuglyph;
732

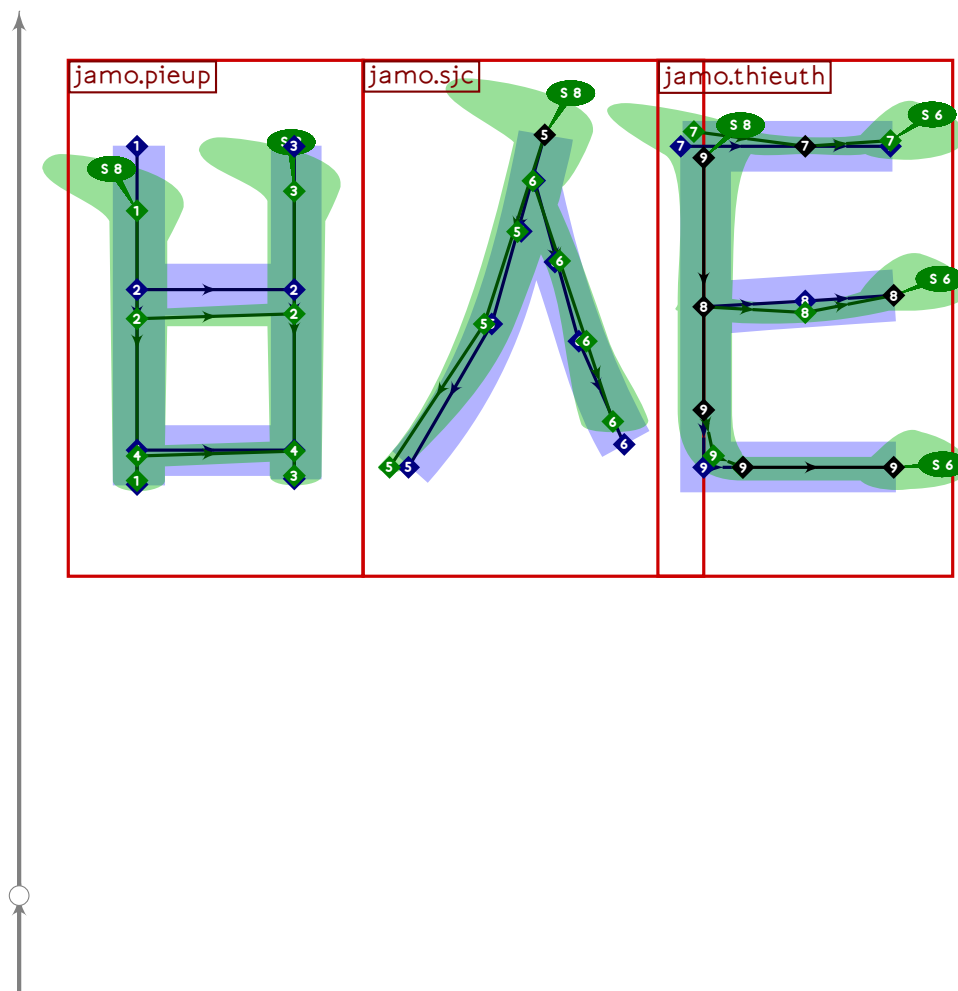
```

U+FF671
mande.uniA971.lj5



FF6

```
733 % hangul lead mieum-sios
734 begint Suglyph("uniA971.lj5",113);
735   hangul.combine.lr(106,109)(whatever,lixf,loxf);
736   tsu_render;
737 endtsuglyph;
738
```

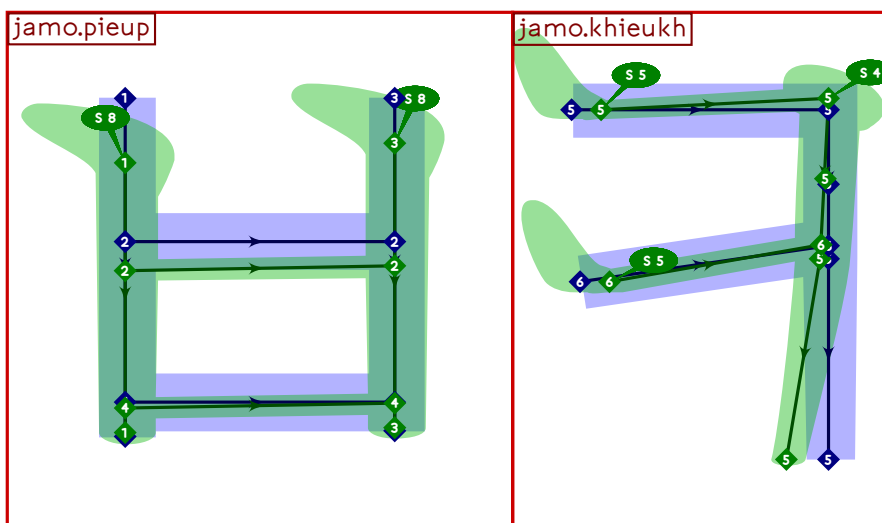


```

739 % hangul lead pieup-sios-thieuth
740 beginsuglyph("uniA972.lj5",114);
741   hangul.combine.lcr(207,209,116)(whatever,lixf,loxf);
742   tsu_render;
743 endtsuglyph;
744

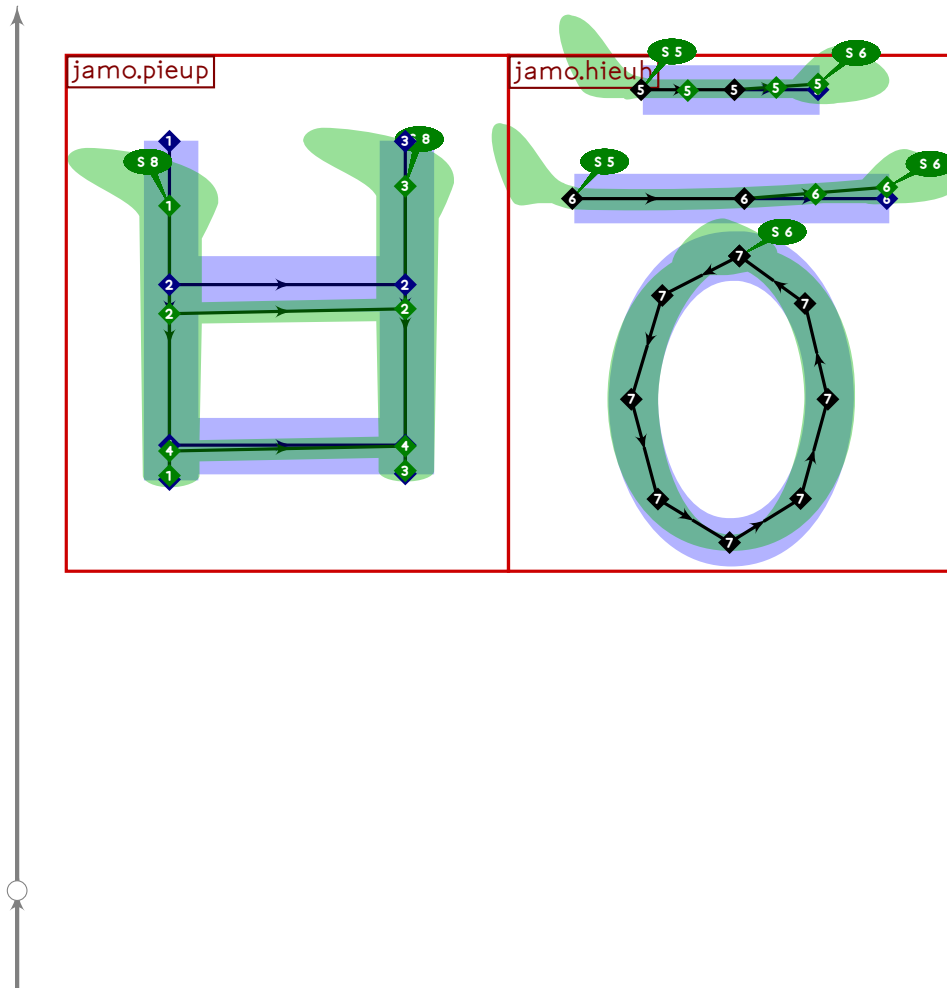
```

U+FF673
mande.uniA973.lj5



FF6

```
745 % hangul lead pieup-khieukh
746 begint Suglyph("uniA973.lj5",115);
747   hangul.combine.lr(207,115)(whatever,lixf,loxf);
748   tsu_render;
749 endtsuglyph;
750
```

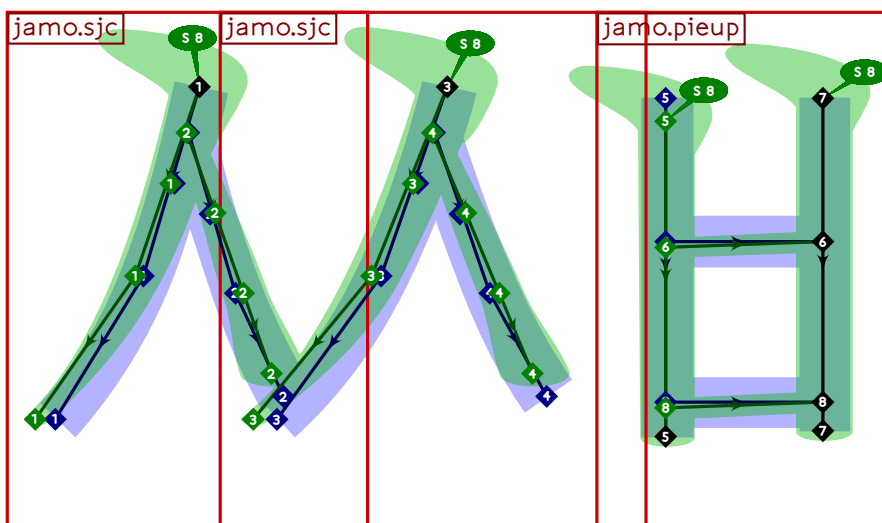



```

751 % hangul lead pieup-hieuh
752 beginsuglyph("uniA974.lj5",116);
753   hangul.combine.lr(207,118)(whatever,lixf,loxf);
754   tsu_render;
755 endsuglyph;
756

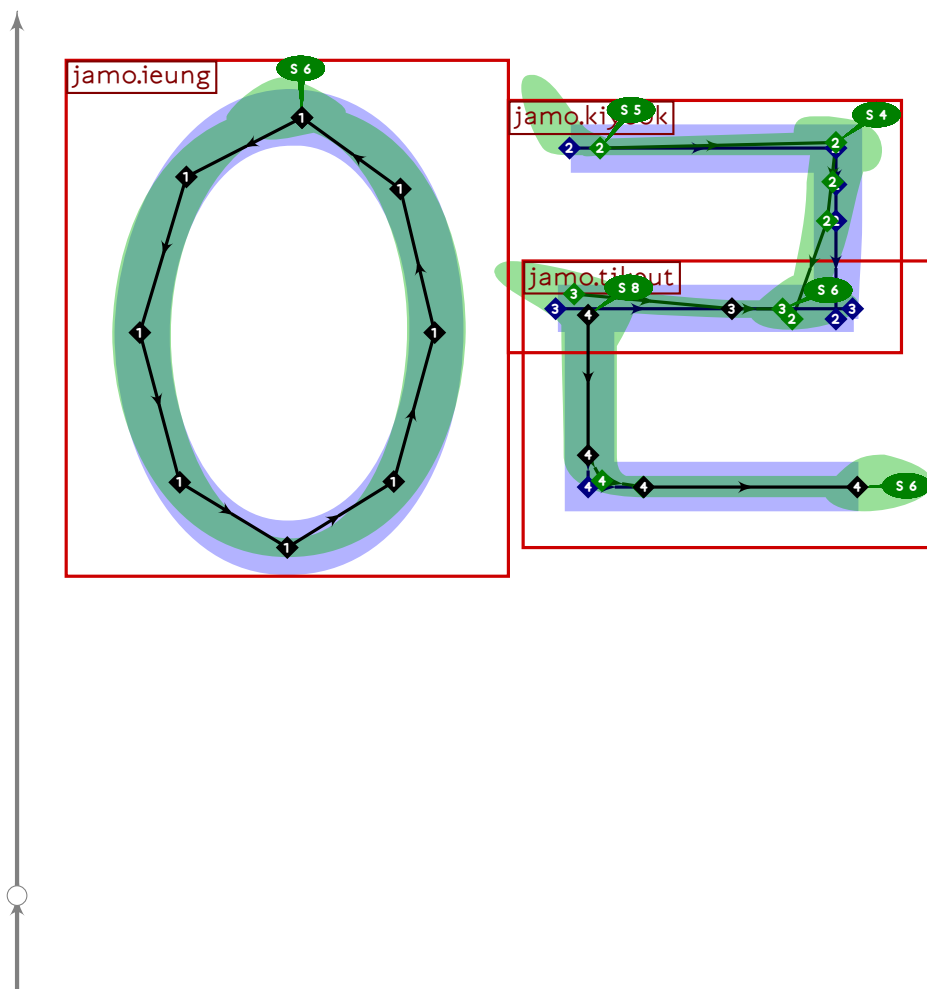
```

U+FF675
mande.uniA975.lj5



FF6

```
757 % hangul lead ssangsios-pieup
758 begint Suglyph("uniA975.lj5",117);
759 hangul.combine.lcr(209,209,107)(whatever,lixf,loxf);
760 tsu_render;
761 endtsuglyph;
762
```

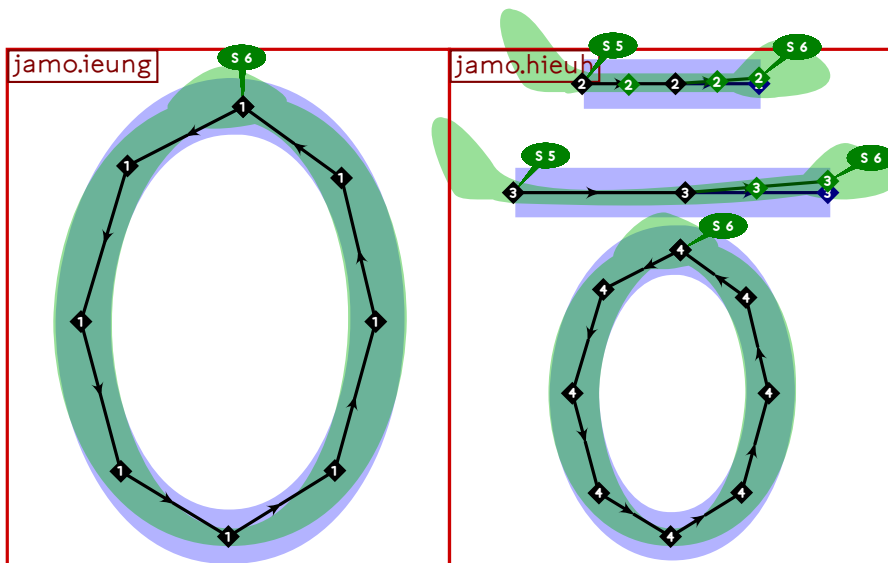


```

763 % hangul lead ieung-rieul
764 begint Suglyph("uniA976.lj5",118);
765   hangul.combine.lr(111,105)(whatever,lixf,loxf);
766   tsu_render;
767 endtsuglyph;
768

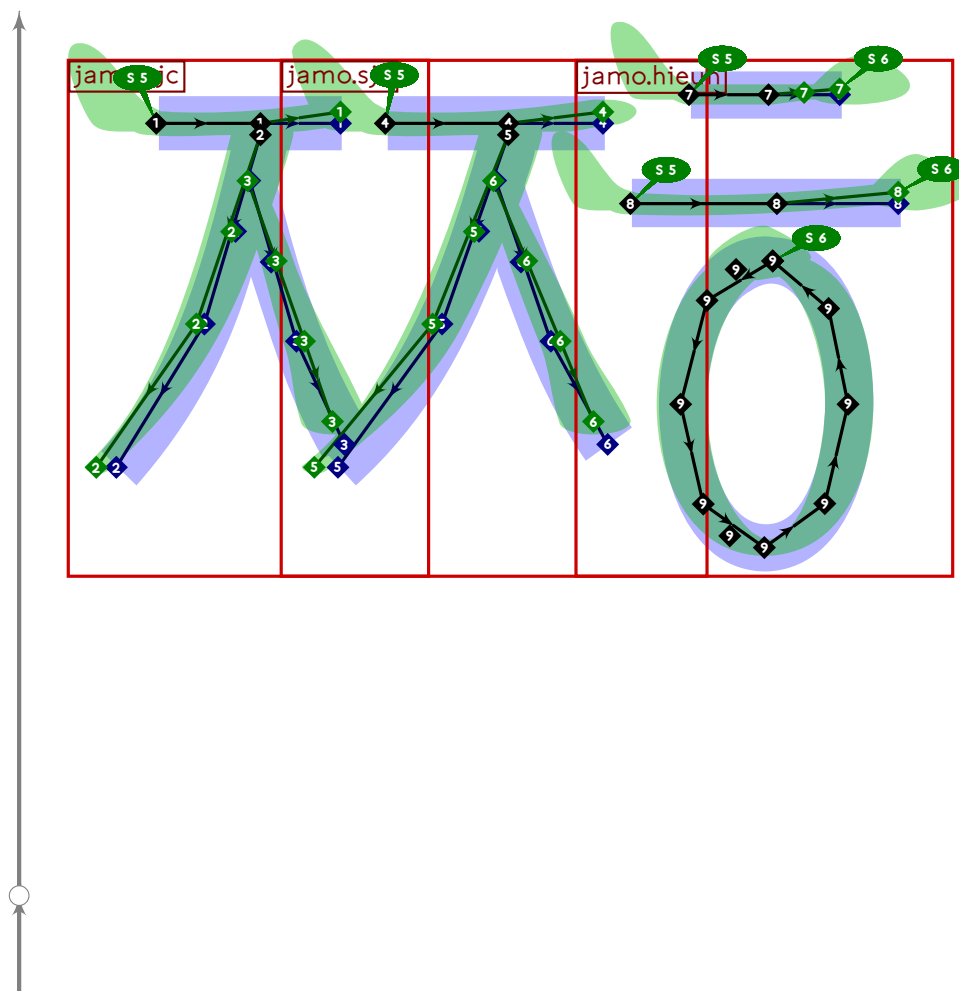
```

U+FF677
mande.uniA977.lj5



FF6

```
769 % hangul lead ieung-hieuh
770 beginsuglyph("uniA977.lj5",119);
771 hangul.combine.lr(111,118)(whatever,lixf,loxf);
772 tsu_render;
773 endsuglyph;
774
```

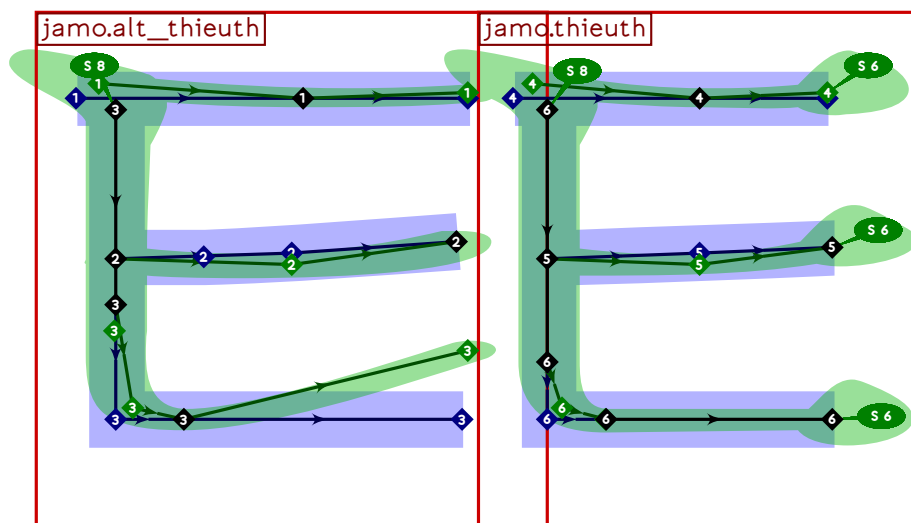


```

775 % hangul lead ssangcieuc-hieuh
776 begint Suglyph("uniA978.lj5",120);
777   hangul.combine.lcr(212,212,118)(whatever,lixf,loxf);
778   tsu_render;
779 endtsuglyph;
780

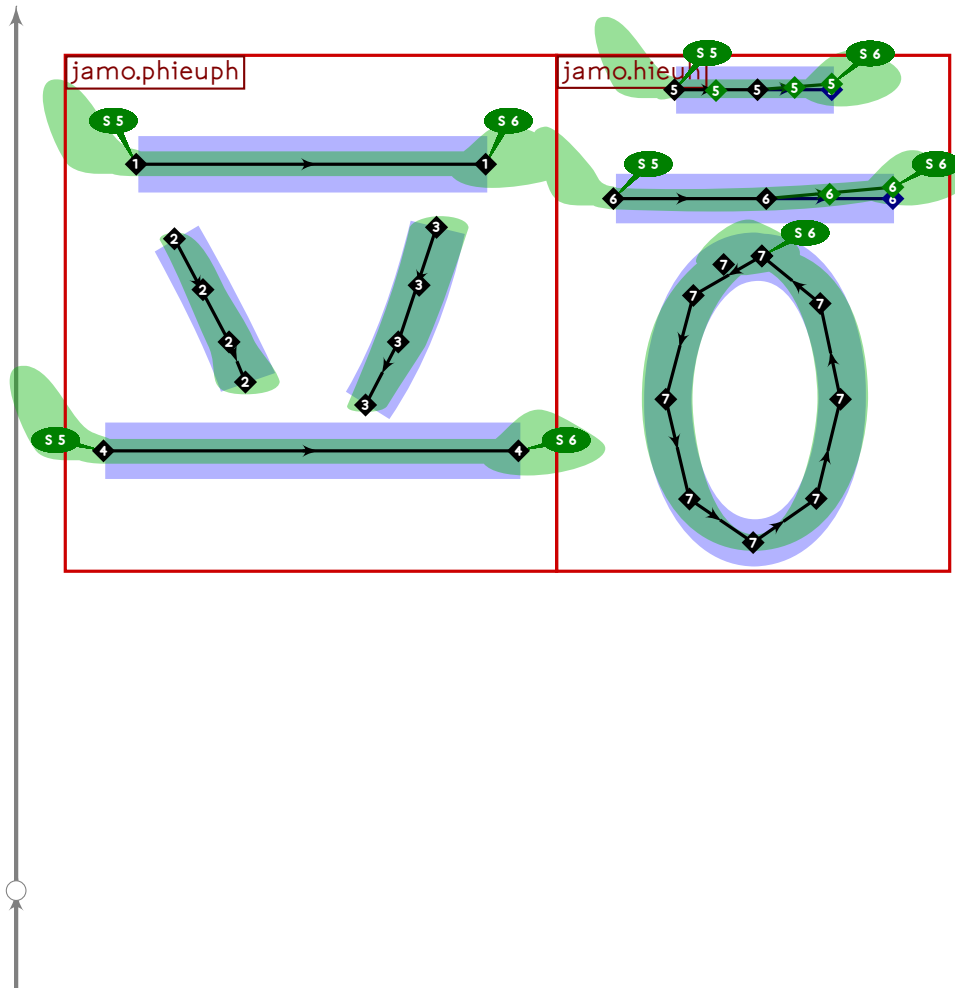
```

U+FF679
mande.uniA979.lj5



FF6

```
781 % hangul lead ssangthieuth
782 beginsuglyph("uniA979.lj5",121);
783 hangul.combine.lr(216,116)(whatever,lixf,loxf);
784 tsu_render;
785 endsuglyph;
786
```

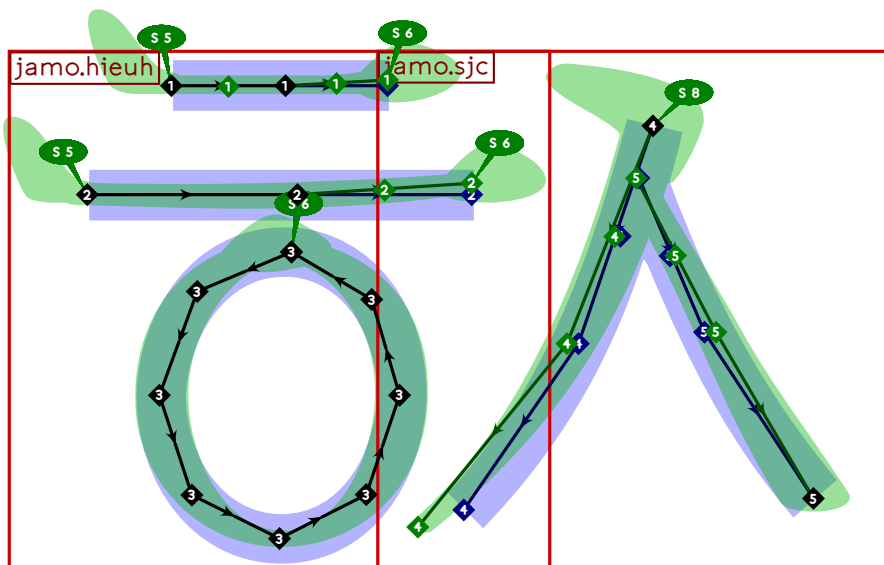


```

787 % hangul lead phieuph-hieuh
788 beginsuglyph("uniA97A.lj5",122);
789 hangul.combine.lcr(117,230,118)(whatever,lixf,loxf);
790 tsu_render;
791 endsuglyph;
792

```

U+FF67B
mande.uniA97B.lj5

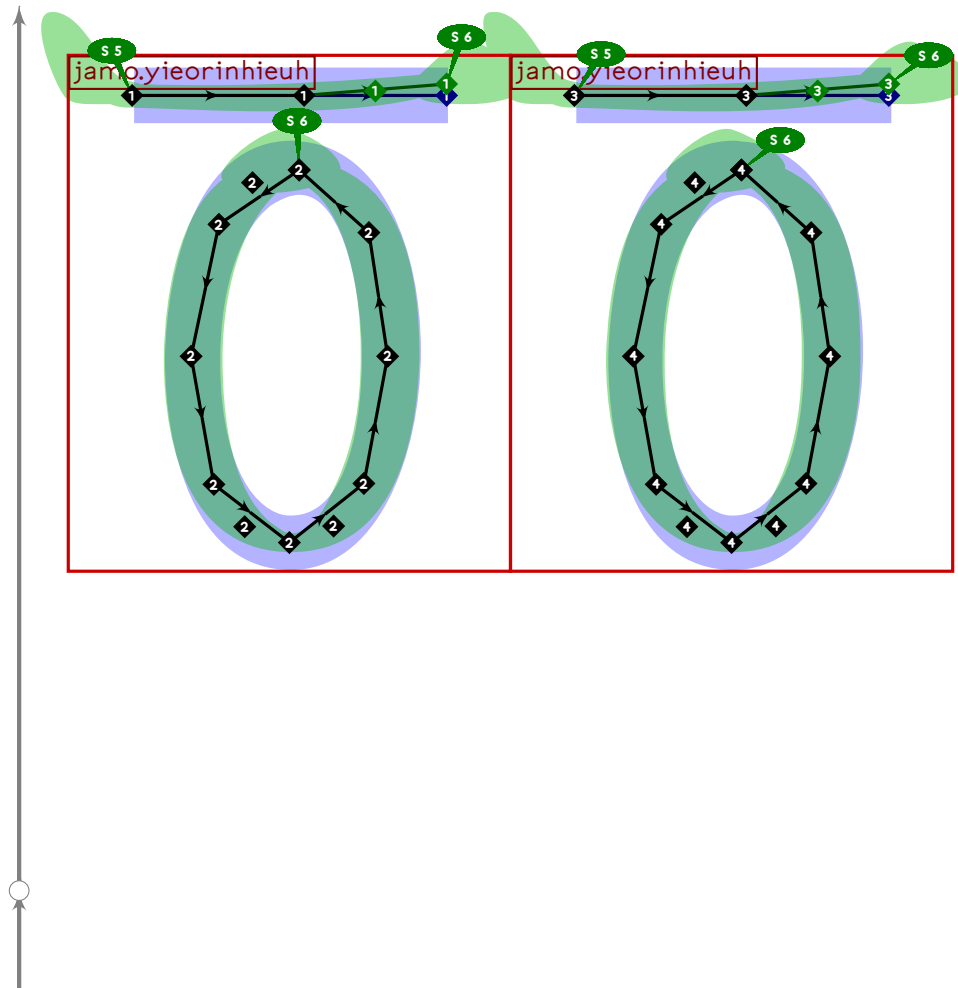


FF6

```

793 % hangul lead hieuh-sios
794 begint Suglyph("uniA97B.lj5";123);
795   hangul.combine.lr(118,109)(whatever;lixf,loxf);
796   tsu_render;
797 endtsuglyph;
798

```

FF6

```

799 % hangul lead ssangyeorinhieuh
800 begintsuglyph("uniA97C.lj5";124);
801   hangul.combine.lcr(221,230,221)(whatever,lixf,loxf);
802   tsu_render;
803 endtsuglyph;
804
805 _____
806
807 endfont;
808
809 _____

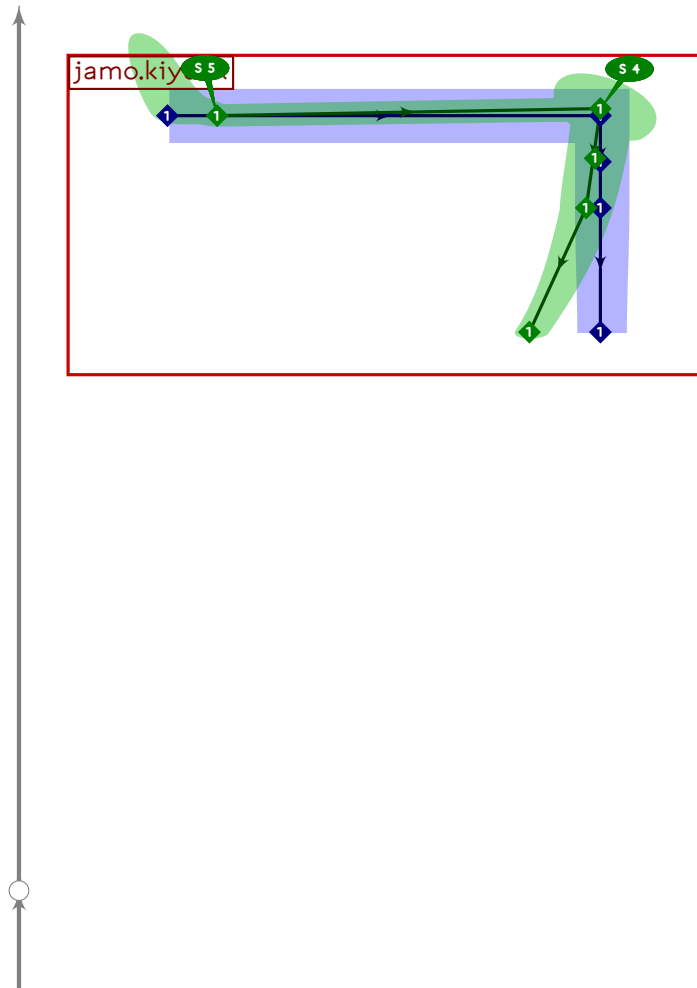
```

mande-ff7.mp

```
1 %
2 % Unicode page FF7 ("bug letters" for consonant jamo) for Mandeubsida
3 % Copyright (C) 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 _____
32
33 beginfont
34
35 % AUTODEPS
36 input hangul.mp;
37 input jamo-basic.mp;
38 input jamo-extra.mp;
39
40 do_late_includes;
41
42 _____
43
44 % This is a set of "bug letters": lead jamo for layout 0, duplicating the
45 % ones in U+11xx, U+A9xx, and U+D7xx, in order to work around XeTeX's
46 % apparent inability to process "ignore sub" feature rules. The idea is
47 % that instead of using an "ignore sub" rule, we will substitute an
48 % identical-looking glyph that doesn't trigger later rules.
49
50 transform lixf,loxf,vixf,tvixf,voxf;
51
52 lixf=loxf=hxf((50,850),(700,525));
53 vixf=hxf((700,275),(950,-50));
54 tvixf=hxf((700,335),(950,-50));
55 voxf=identity;
56
57 _____
58
```

Hangul Choseong (Lead) Jamo

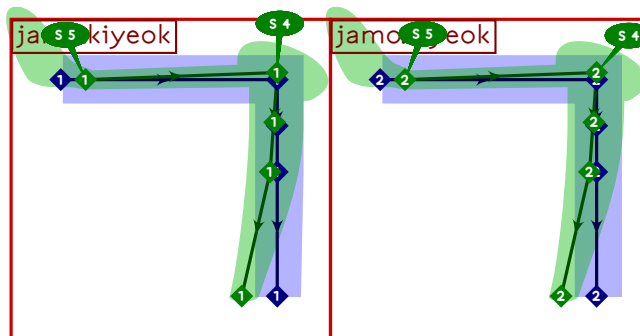
```
59 % HANGUL CHOSEONG (LEAD) JAMO
60
61 tsu_rescale_native_zero;
62
```



```
63 % hangul lead kiyeok
64 begint Suglyph("uni1100.bug";0);
65   hangul.jamo.kiyeok(whatever,lixf,loxf);
66   tsu_render;
67 endtsuglyph;
68
```

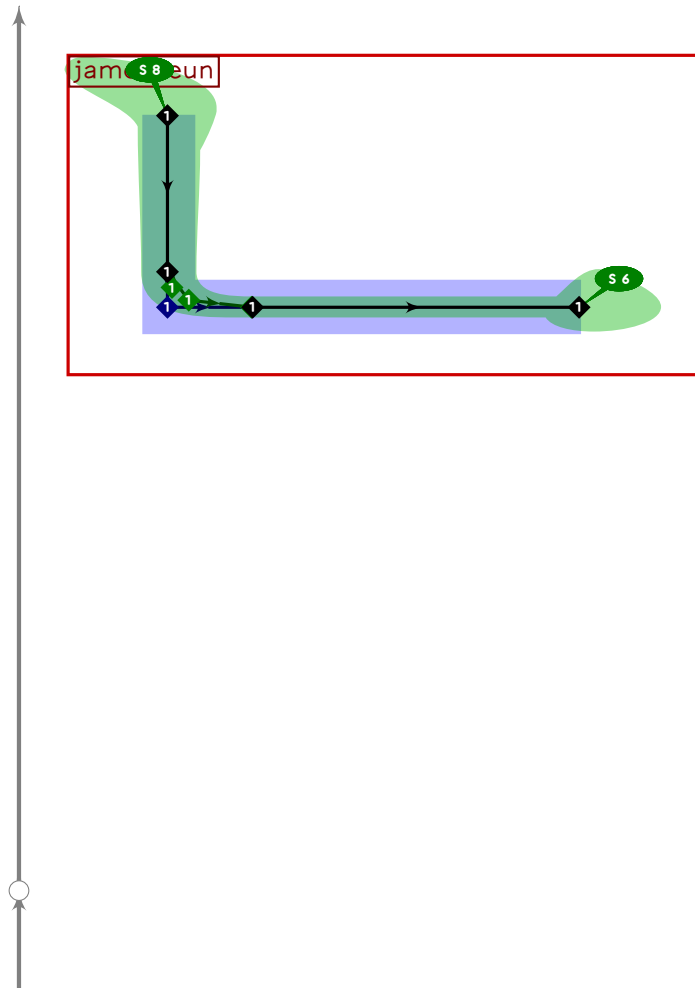
FF7

U+FF701
mande.uni1101.bug



FF7

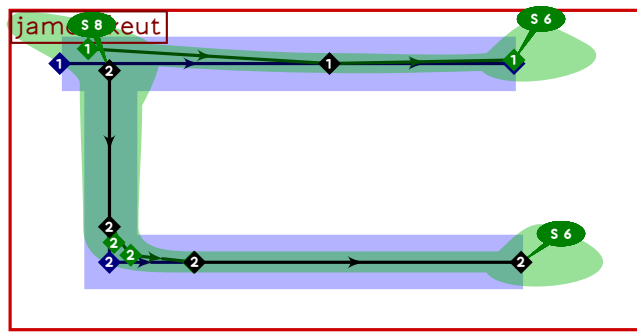
```
69 % hangul lead ssangkiyeok
70 beginsuglyph("uni1101.bug",1);
71 hangul.combine.lr(100,100)(whatever,lixf,loxf);
72 tsu_render;
73 endsuglyph;
74
```



```
75 % hangul lead nieun
76 begint Suglyph("uni1102.bug";2);
77   hangul.jamo.nieun(whatever,lixf,loxf);
78   tsu_render;
79 endtsuglyph;
80
```

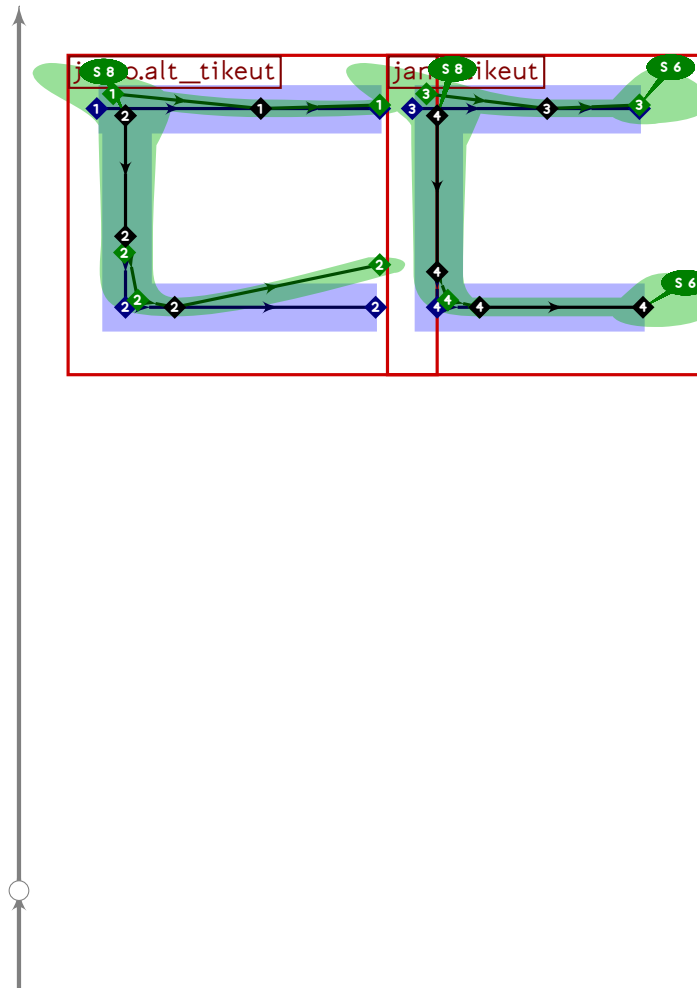
FF7

U+FF703
mande.uni1103.bug



FF7

```
81 % hangul lead tikeut
82 begintsuglyph("uni1103.bug";3);
83   hangul.jamo.tikeut(whatever,lixf,loxf);
84   tsu_render;
85 endtsuglyph;
86
```

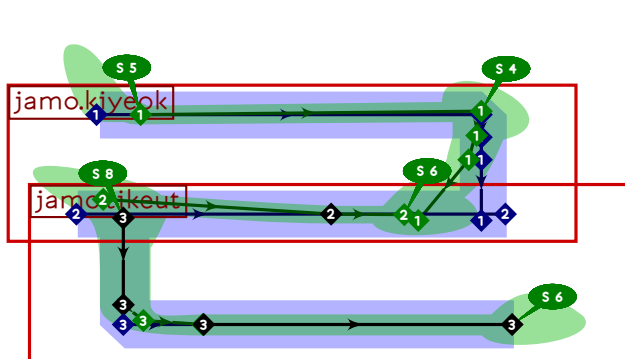


```

87 % hangul lead ssangtikeut
88 begintsuglyph("uni1104.bug",4);
89 hangul.combine.lr(203,103)(whatever,lixf,loxf);
90 tsu_render;
91 endtsuglyph;
92

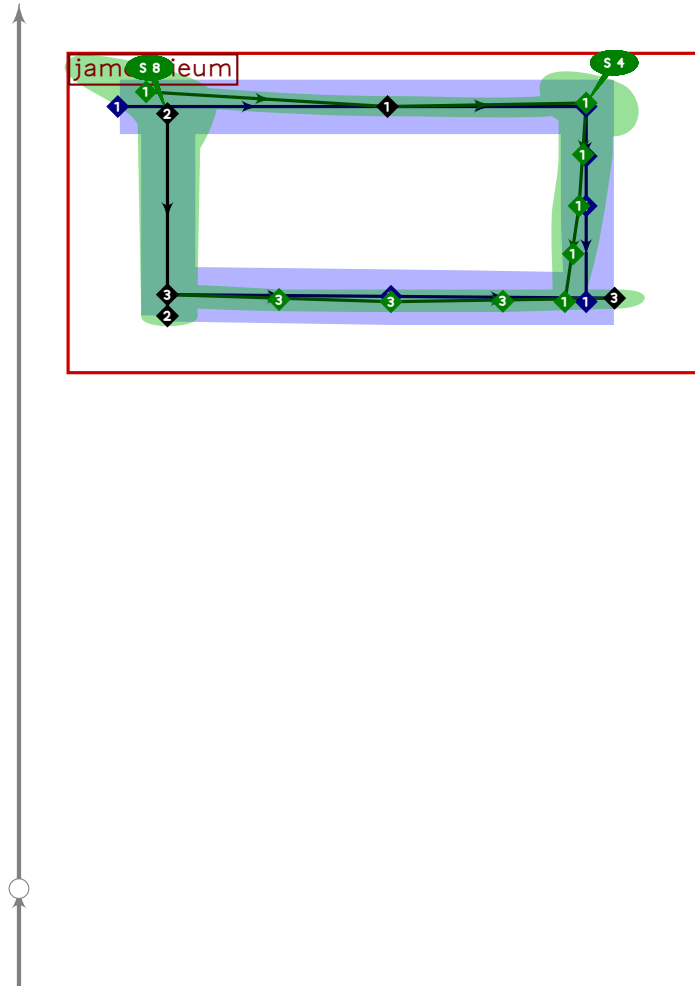
```

U+FF705
mande.uni1105.bug



FF7

```
93 % hangul lead rieul
94 beginsuglyph("uni1105.bug";5);
95   hangul.jamo.rieul(whatever,lixf,loxf);
96   tsu_render;
97 endsuglyph;
98
```

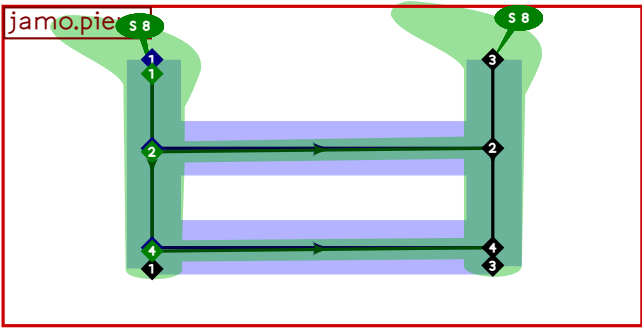
```

99 % hangul lead mieum
100 beginsuglyph("uni1106.bug",6);
101   hangul.jamo.mieum(whatever,lixf,loxf);
102   tsu_render;
103 endsuglyph;
104

```

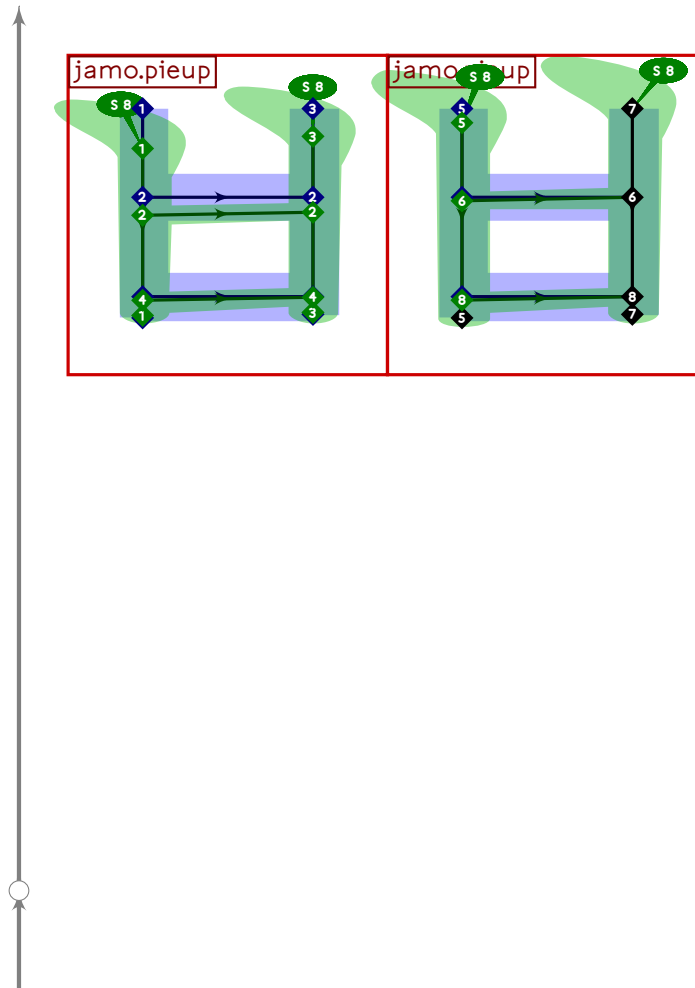
FF7

U+FF707
mande.uni1107.bug



FF7

```
105 % hangul lead pieup
106 begintsuglyph("uni1107.bug",7);
107   hangul.jamo.pieup(whatever,lixf,loxf);
108   tsu_render;
109 endtsuglyph;
110
```

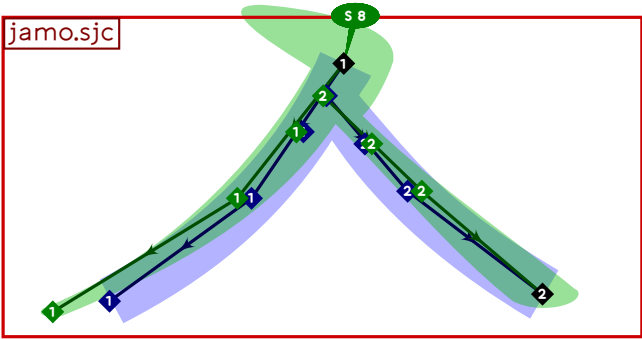


```

111 % hangul lead ssangpieup
112 begintsuglyph("uni1108.bug";8);
113   hangul.combine.lr(207,107)(whatever,lixf,loxf);
114   tsu_render;
115 endtsuglyph;
116

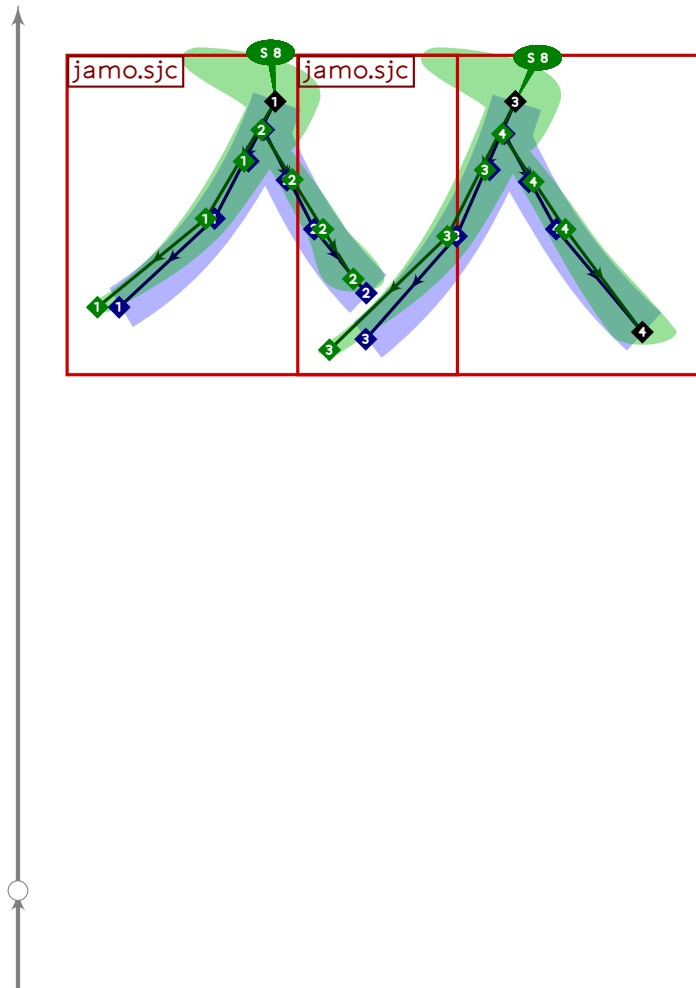
```

U+FF709
mande.uni1109.bug



FF7

```
117 % hangul lead sios
118 begintsuglyph("uni1109.bug'9);
119 hangul.jamo.sjc(0,0,false)(whatever,lixf,loxf);
120 tsu_render;
121 endtsuglyph;
122
```

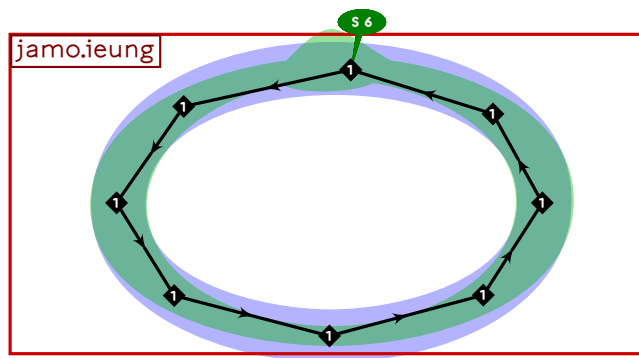


```

123 % hangul lead ssangsios
124 begint Suglyph("uni110A.bug",10);
125   hangul.combine.lr(209,109)(whatever,lixf,loxf);
126   tsu_render;
127 endtsuglyph;
128

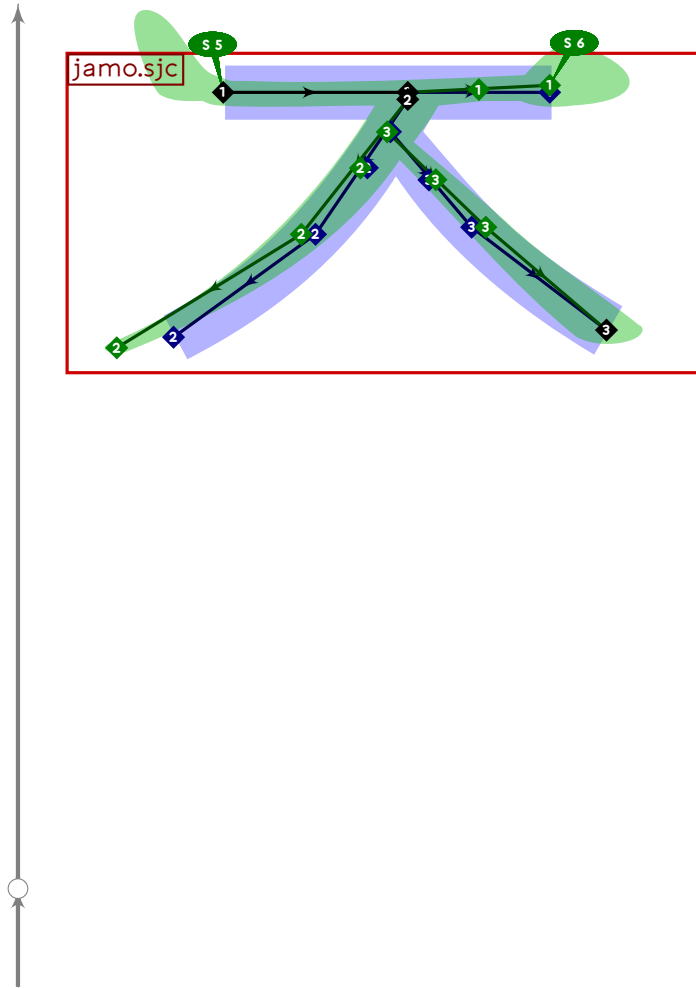
```

U+FF70B
mande.uni110B.bug



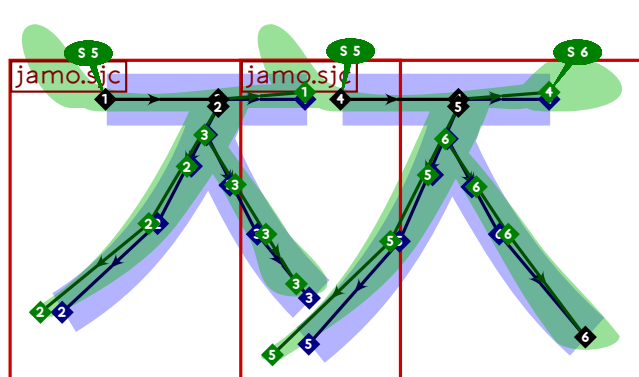
FF7

```
129 % hangul lead ieung
130 beginsuglyph("uni110B.bug",11);
131   hangul.jamo.ieung(whatever,lixf,loxf);
132   tsu_render;
133 endsuglyph;
134
```



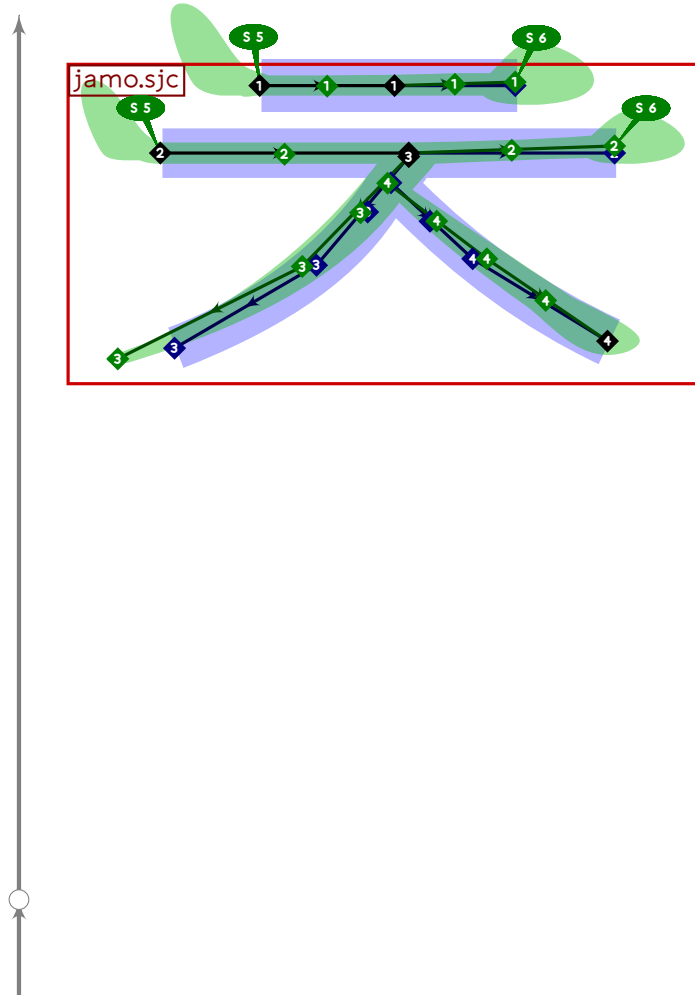
```
135 % hangul lead cieuc
136 begint Suglyph("uni110C.bug",12);
137   hangul.jamo.sjc(1,0,false)(whatever,lixf,loxf);
138   tsu_render;
139 endtsuglyph;
140
```

U+FF70D
mande.uni110D.bug



FF7

```
141 % hangul lead ssangcieuc
142 begintsuglyph("uni110D.bug",13);
143 hangul.combine.lr(212,112)(whatever,lixf,loxf);
144 tsu_render;
145 endtsuglyph;
146
```

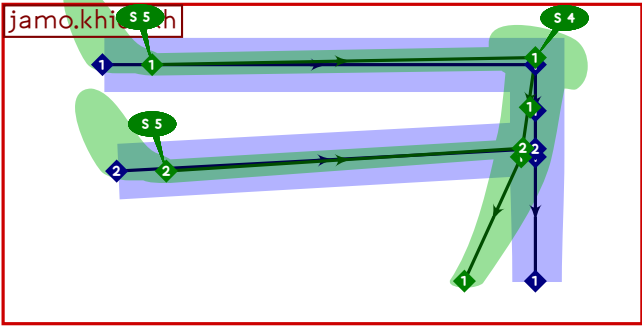



```

147 % hangul lead chieuch
148 begint Suglyph("uni110E.bug",14);
149   hangul.jamo.sjc(2,0,false)(whatever,lixf,loxf);
150   tsu_render;
151 endtsuglyph;
152

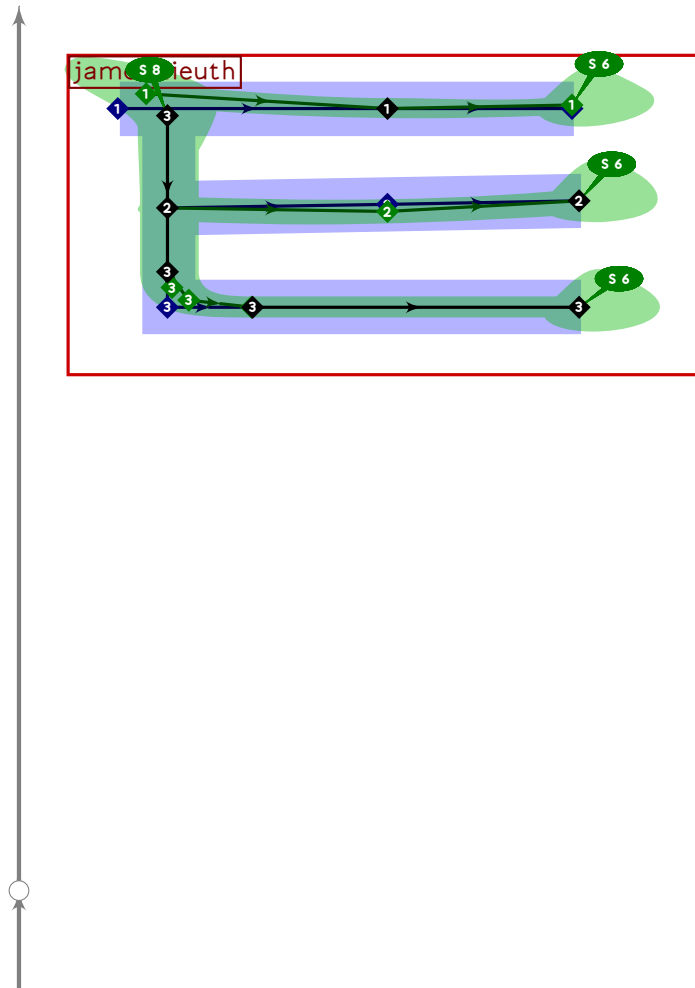
```

U+FF70F
mande.uni110F.bug



FF7

```
153 % hangul lead khieukh
154 begint Suglyph("uni110F.bug";15);
155   hangul.jamo.khieukh(whatever,lixf,loxf);
156   tsu_render;
157 endtsuglyph;
158
```



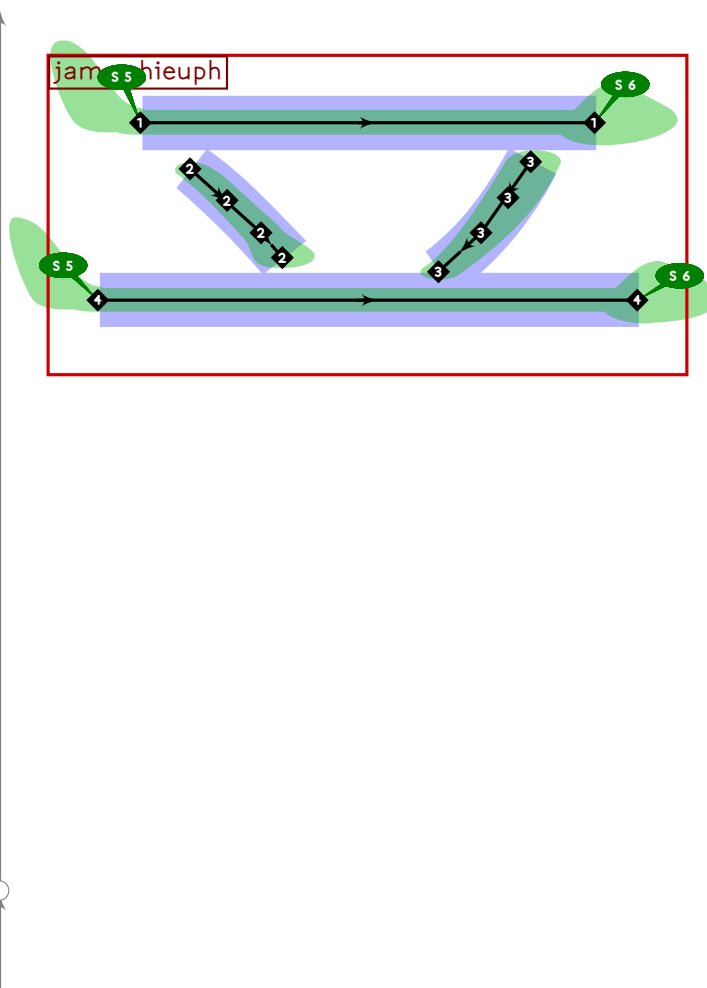
```

159 % hangul lead thieuth
160 begint Suglyph("uni1110.bug",16);
161   hangul.jamo.thieuth(whatever,lixf,loxf);
162   tsu__render;
163 endts Suglyph;
164

```

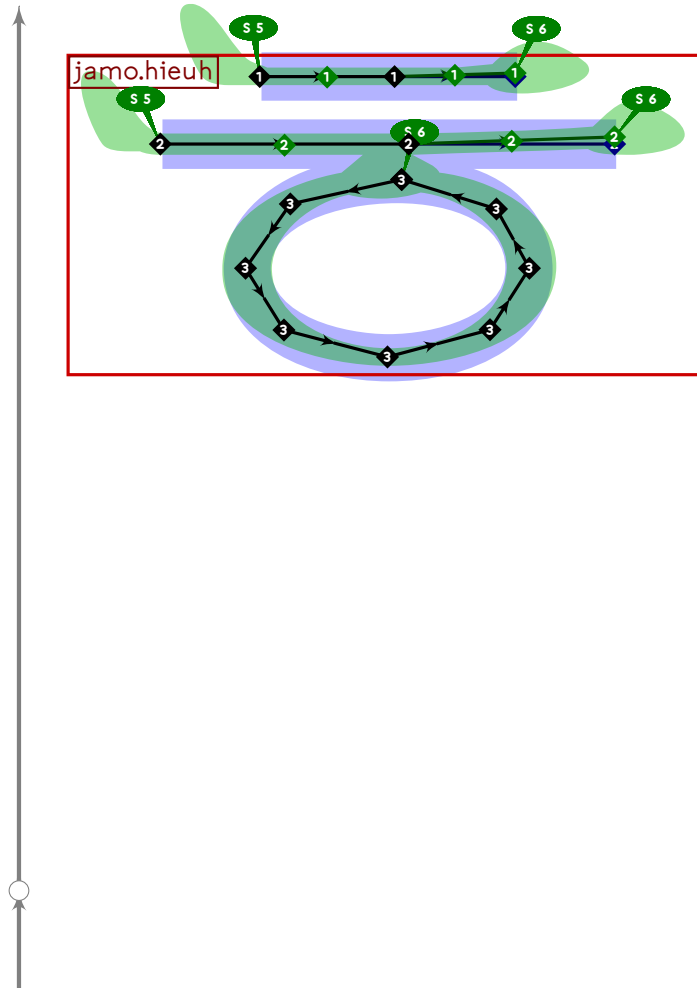
FF7

U+FF711
mande.uni1111.bug



FF7

```
165 % hangul lead phieup
166 begintsuglyph("uni1111.bug",17);
167   hangul.jamo.phieup(whatever,lixf,loxf);
168   tsu_render;
169 endtsuglyph;
170
```

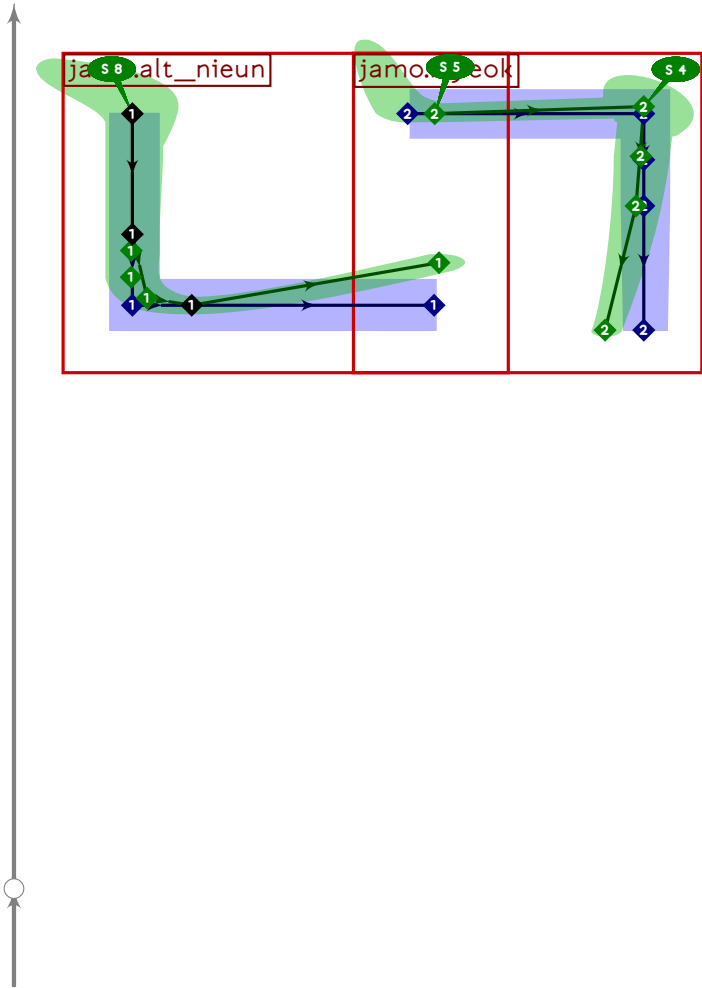


```

171 % hangul lead hieuh
172 beginsuglyph("uni1112.bug",18);
173   hangul.jamo.hieuh(whatever,lixf,loxf);
174   tsu_render;
175 endsuglyph;
176

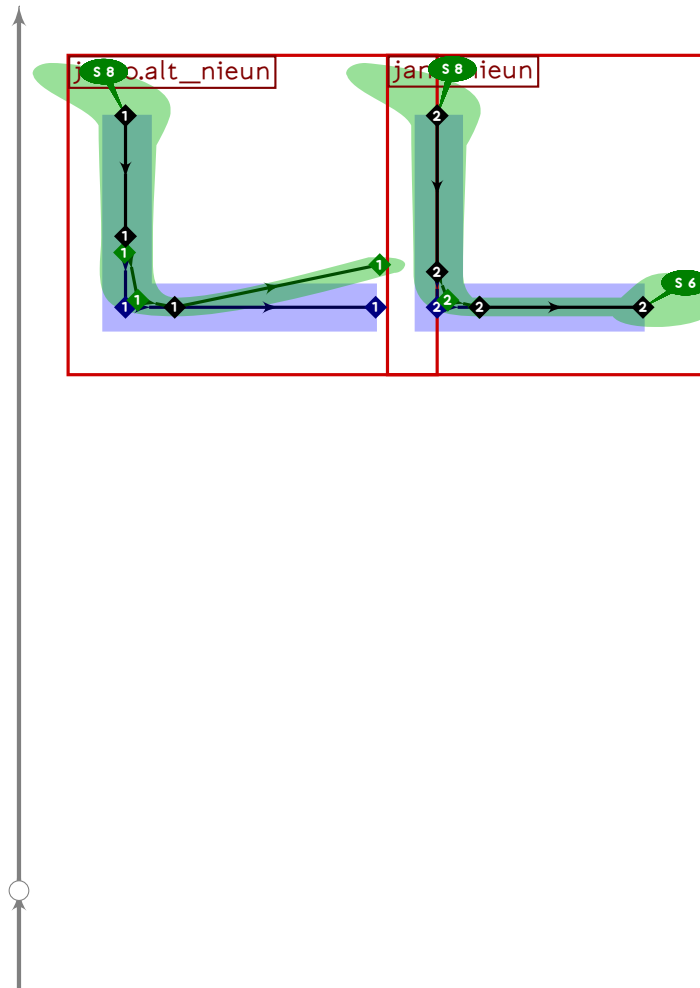
```

U+FF713
mande.uni1113.bug



FF7

```
177 % hangul lead nieun-kiyeok
178 begintsuglyph("uni1113.bug",19);
179   hangul.combine.lr(202,100)(whatever,lixf,loxf);
180   tsu_render;
181 endtsuglyph;
182
```

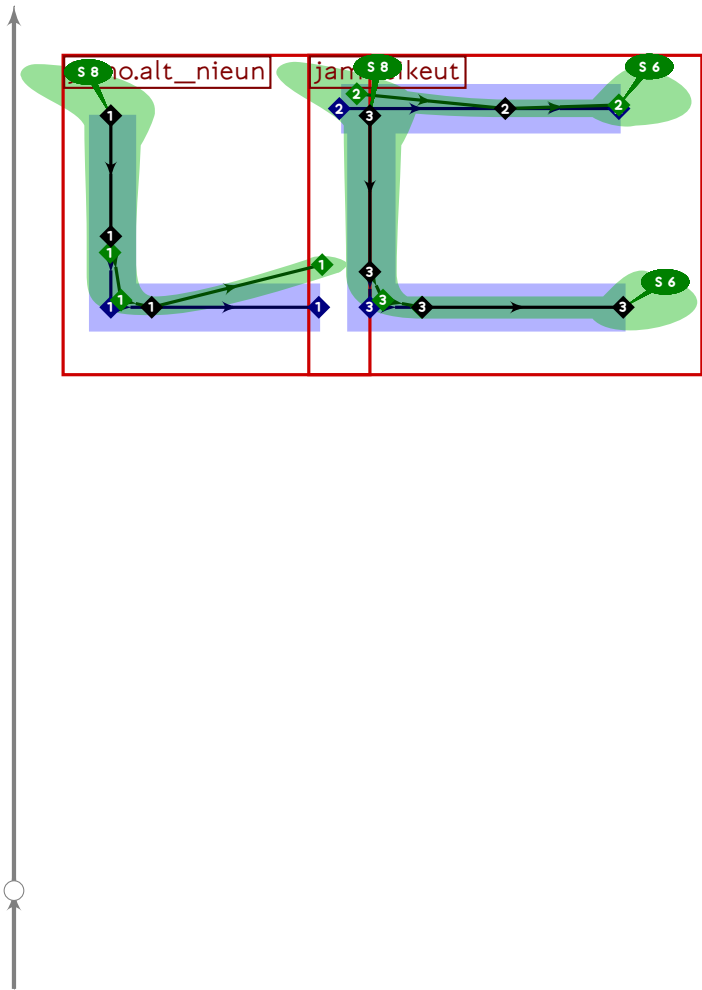


```

183 % hangul lead ssangnieun
184 begintsuglyph("uni1114.bug",20);
185   hangul.combine.lr(202,102)(whatever,lixf,loxf);
186   tsu_render;
187 endtsuglyph;
188

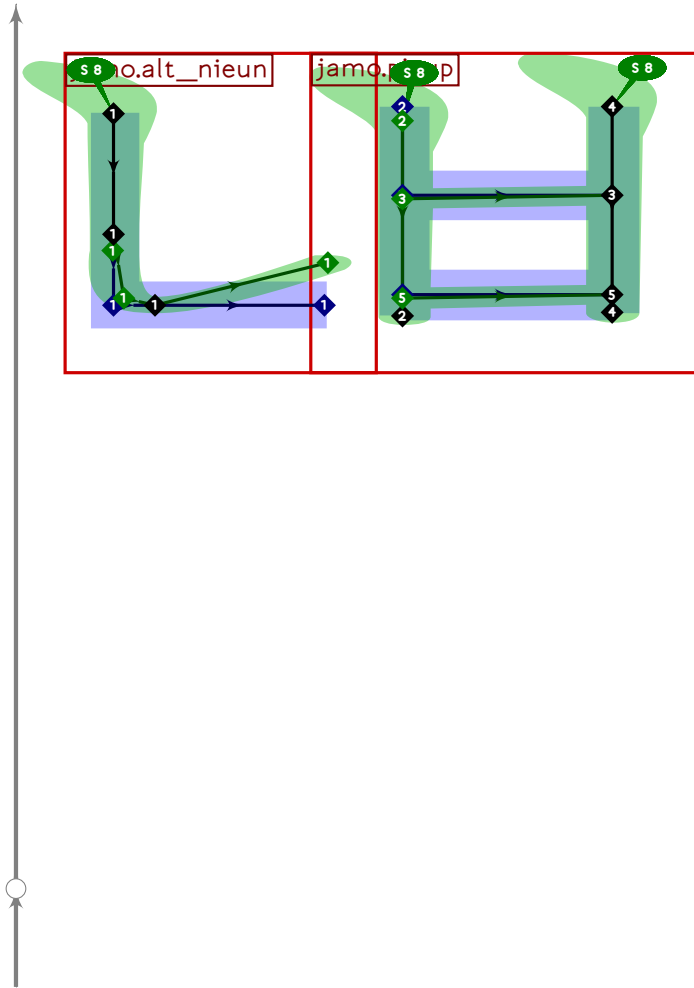
```

U+FF715
mande.uni1115.bug



FF7

```
189 % hangul lead nieun-tikeut
190 beginsuglyph("uni1115.bug",21);
191   hangul.combine.lr(202,103)(whatever,lixf,loxf);
192   tsu_render;
193 endsuglyph;
194
```

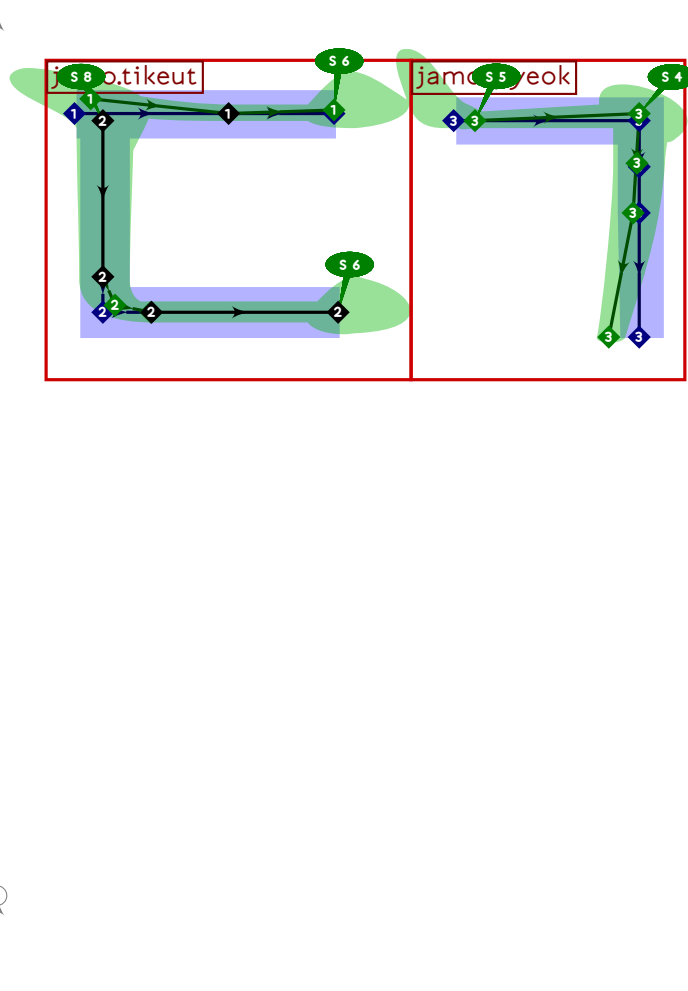



```

195 % hangul lead nieun-pieup
196 begintsuglyph("uni1116.bug",22);
197   hangul.combine.lr(202,107)(whatever,lixf,loxf);
198   tsu_render;
199 endtsuglyph;
200

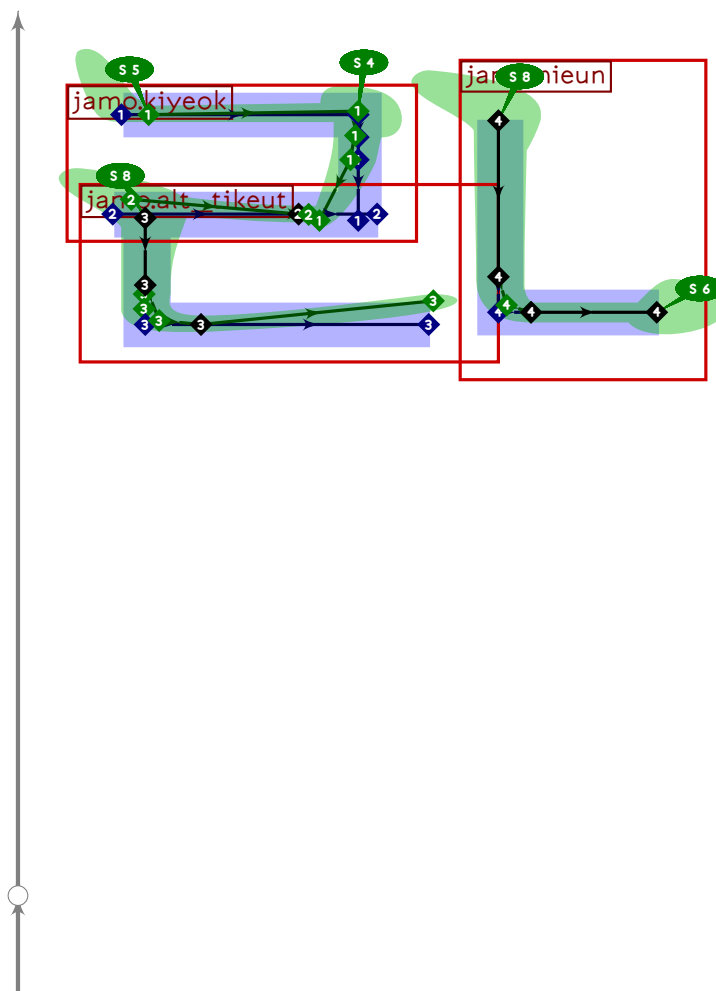
```

U+FF717
mande.uni1117.bug



FF7

```
201 % hangul lead tikeut-kiyeok
202 begintsuglyph("uni1117.bug",23);
203 hangul.combine.lr(103,100)(whatever,lixf,loxf);
204 tsu_render;
205 endtsuglyph;
206
```

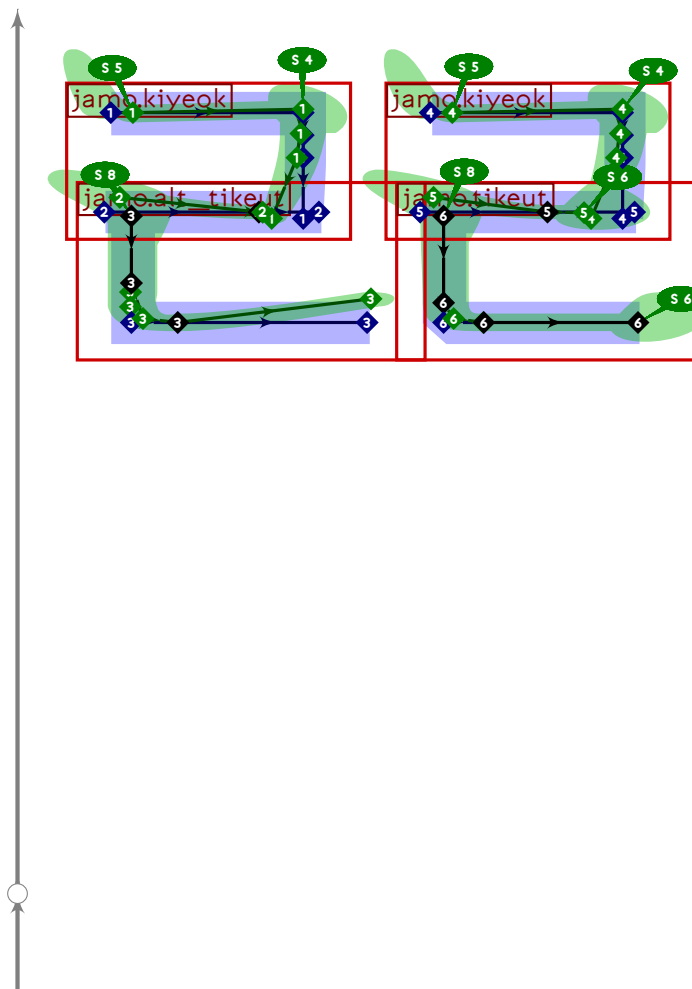


```

207 % hangul lead rieul-nieun
208 begintsuglyph("uni1118.bug",24);
209 hangul.combine.lr(205,102)(whatever,lixf,loxf);
210 tsu_render;
211 endsuglyph;
212

```

U+FF719
mande.uni1119.bug

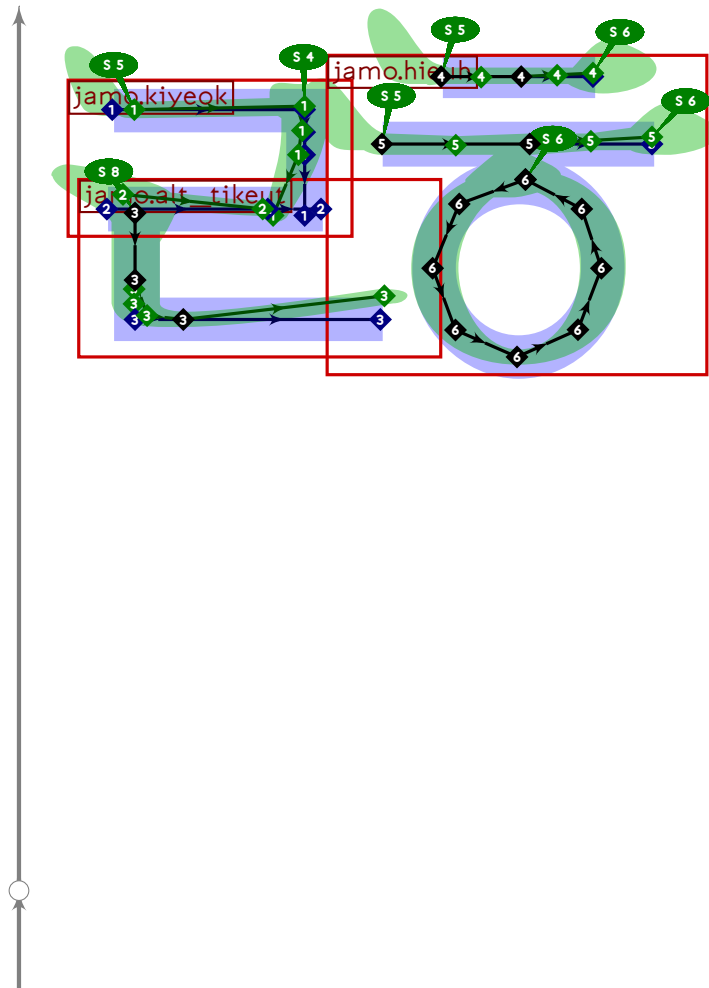


FF7

```

213 % hangul lead ssangrieul
214 begintsuglyph("uni1119.bug",25);
215   hangul.combine.lr(205,105)(whatever,lixf,loxf);
216   tsu_render;
217 endtsuglyph;
218

```

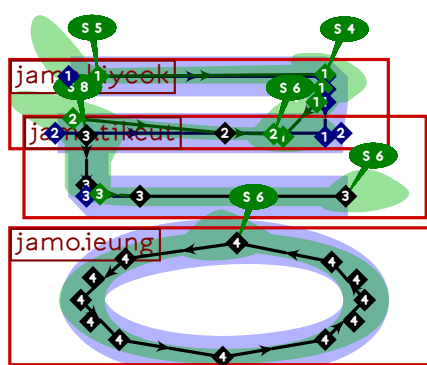


```

219 % hangul lead rieul-hieuh
220 beginsuglyph("uni111A.bug";26);
221   hangul.combine.lr(205,118)(whatever,lixf,loxf);
222   tsu_render;
223 endsuglyph;
224

```

U+FF71B
mande.uni111B.bug

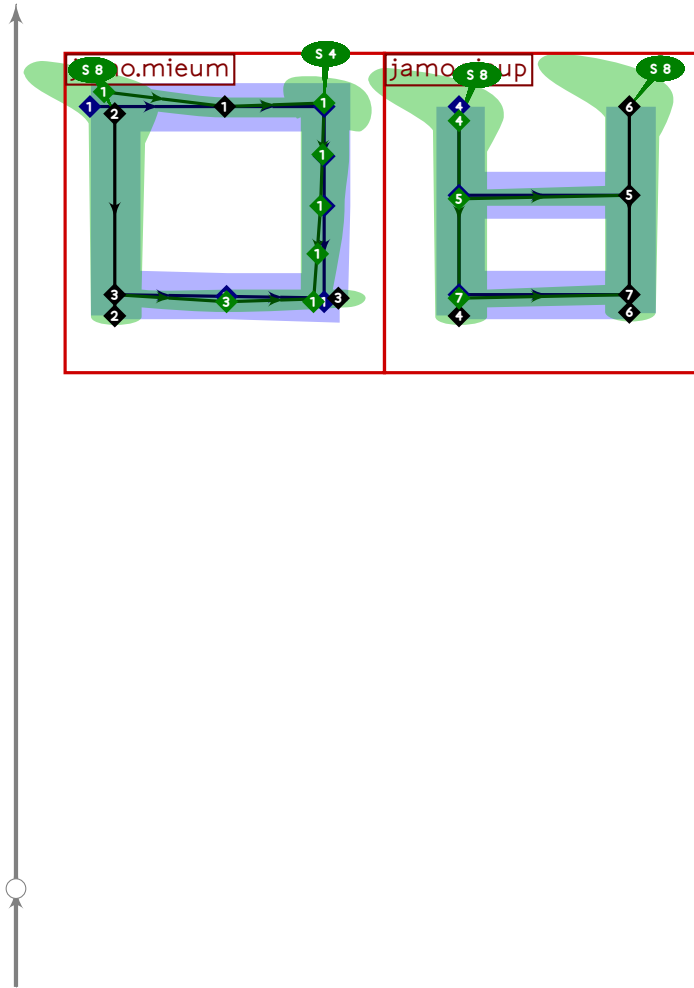


FF7

```

225 % hangul lead kapyeounrieul
226 begintsuglyph("uni111B.bug";27);
227   hangul.combine.tb(105,521)(whatever,
228     hxf((200,850),(800,50)) transformed lixf,loxf);
229   tsu_render;
230 endtsuglyph;
231

```

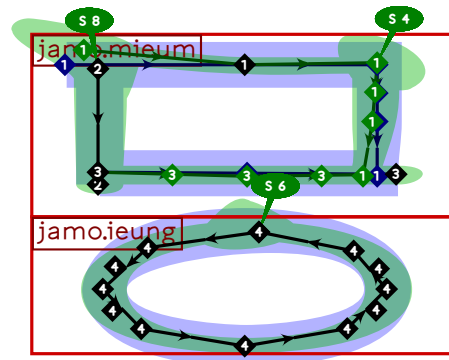


```

232 % hangul lead mieum-pieup
233 begintsuglyph("uni111C.bug";28);
234   hangul.combine.lr(106,107)(whatever,lixf,loxf);
235   tsu_render;
236 endtsuglyph;
237

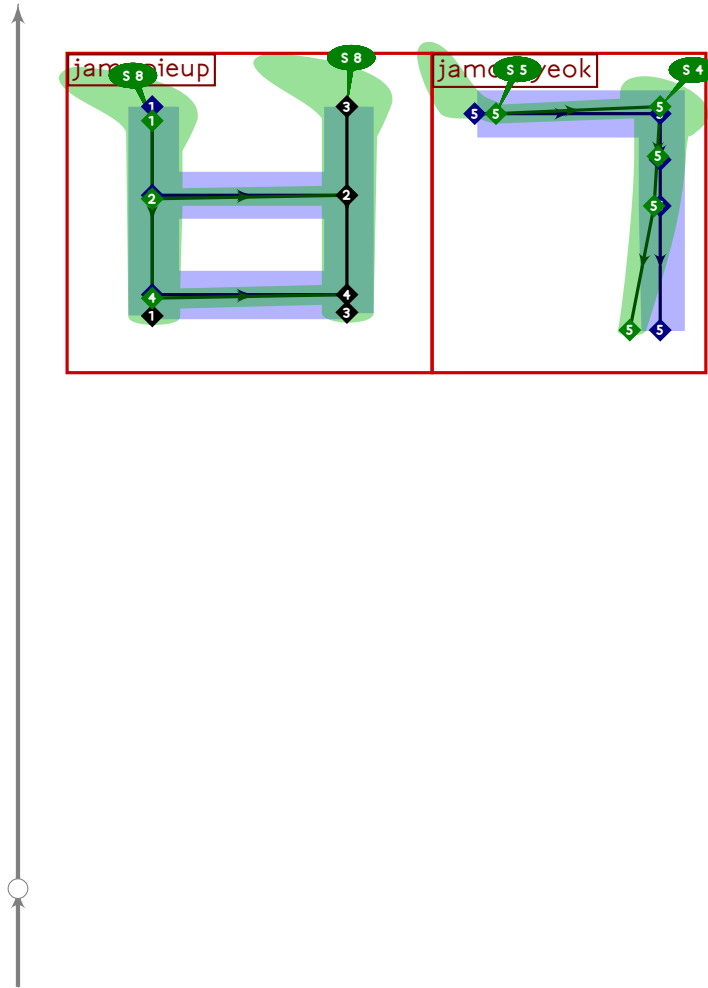
```

U+FF71D
mande.uni111D.bug



FF7

```
238 % hangul lead kapyeounmieum
239 begintsuglyph("uni111D.bug";29);
240 hangul.combine.tb(106,521)(whatever,
241   hxf((200,850),(800,-50)) transformed lixf,loxf);
242 tsu_render;
243 endtsuglyph;
244
```

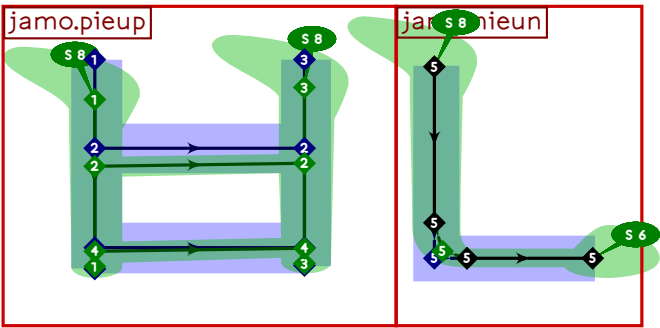



```

245 % hangul lead pieup-kiyeok
246 begintsuglyph("uni111E.bug",30);
247   hangul.combine.lr(107,100)(whatever,lixf,loxf);
248   tsu_render;
249 endtsuglyph;
250

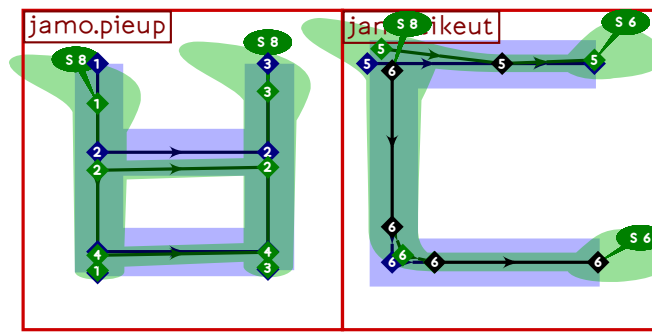
```

U+FF71F
mande.uni111F.bug



FF7

```
251 % hangul lead pieup-nieun
252 begintsuglyph("uni111F.bug",31);
253   hangul.combine.lr(207,102)(whatever,lixf,loxf);
254   tsu_render;
255 endtsuglyph;
256
```

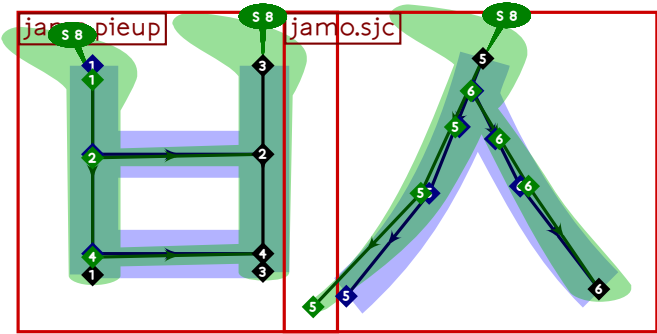


```

257 % hangul lead pieup-tikeut
258 begintsuglyph("uni1120.bug";32);
259 hangul.combine.lr(207,103)(whatever,lixf,loxf);
260 tsu_render;
261 endtsuglyph;
262

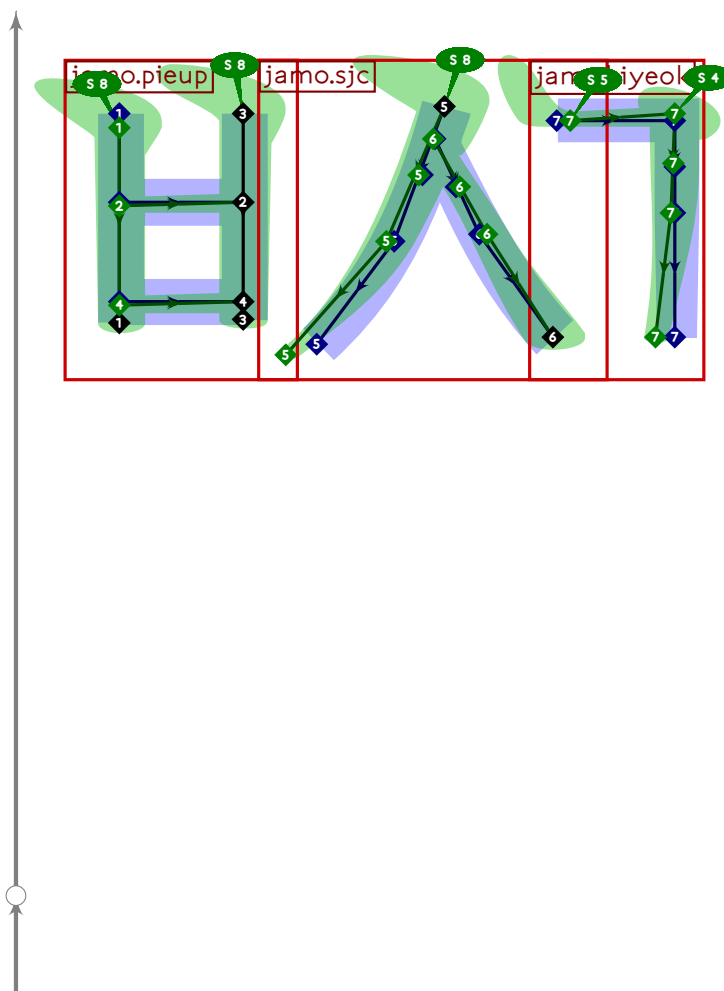
```

U+FF721
mande.uni1121.bug



FF7

```
263 % hangul lead pieup-sios
264 begintsuglyph("uni1121.bug",33);
265   hangul.combine.lr(107,109)(whatever,lixf,loxf);
266   tsu_render;
267 endtsuglyph;
268
```

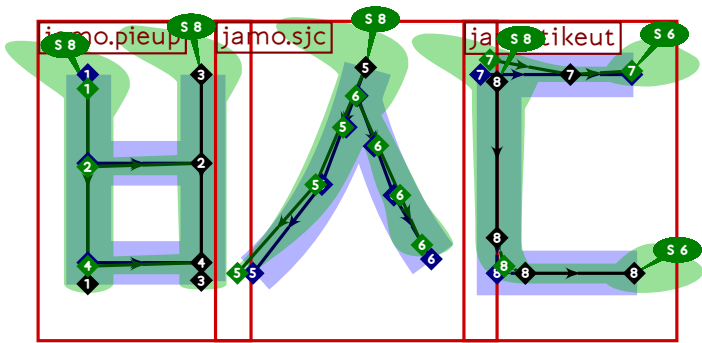


```

269 % hangul lead pieup-sios-kiyeok
270 begint Suglyph("uni1122.bug";34);
271   hangul.combine.lcr(107,109,100)(whatever,lixf,loxf);
272   tsu_render;
273 endtsuglyph;
274

```

U+FF723
mande.uni1123.bug

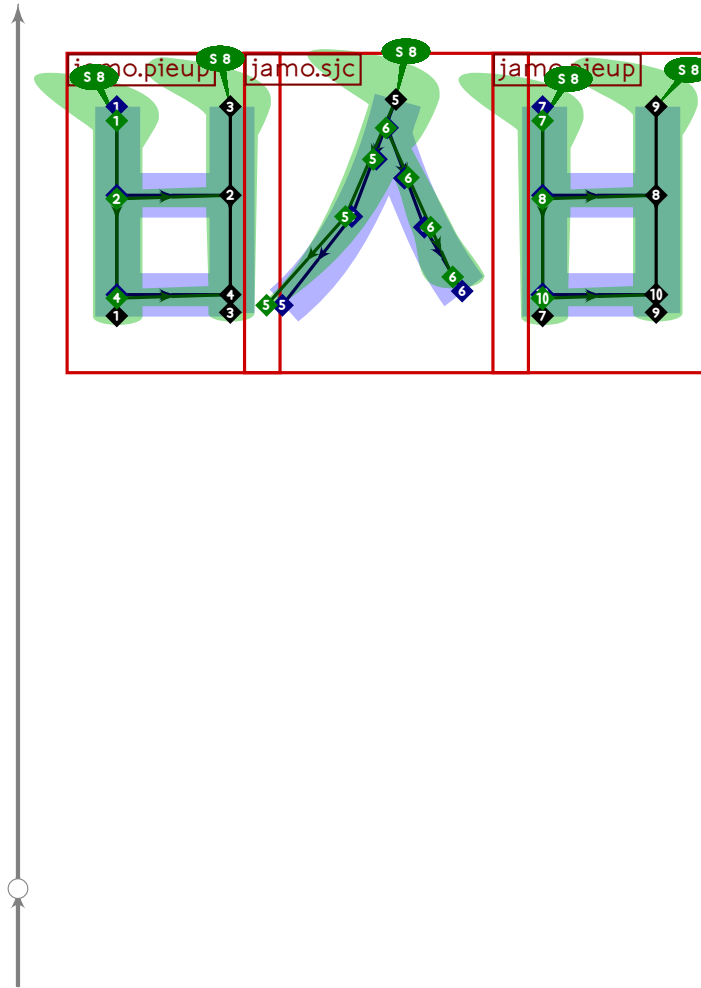


```

275 % hangul lead pieup-sios-tikeut
276 begintsuglyph("uni1123.bug";35);
277   hangul.combine.lcr(107,209,103)(whatever,lixf,loxf);
278   tsu_render;
279 endtsuglyph;
280

```

FF7

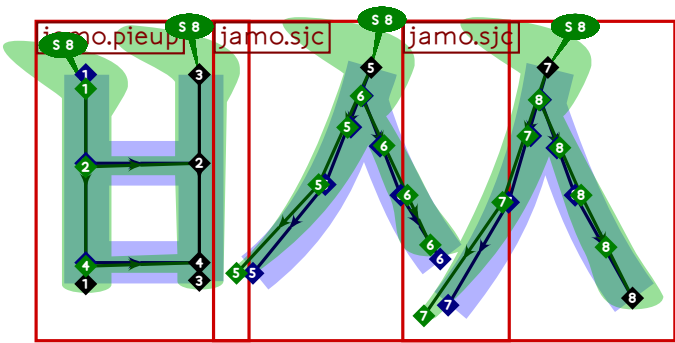


```

281 % hangul lead pieup-sios-pieup
282 begintsuglyph("uni1124.bug";36);
283 hangul.combine.lcr(107,209,107)(whatever,lixf,loxf);
284 tsu_render;
285 endtsuglyph;
286

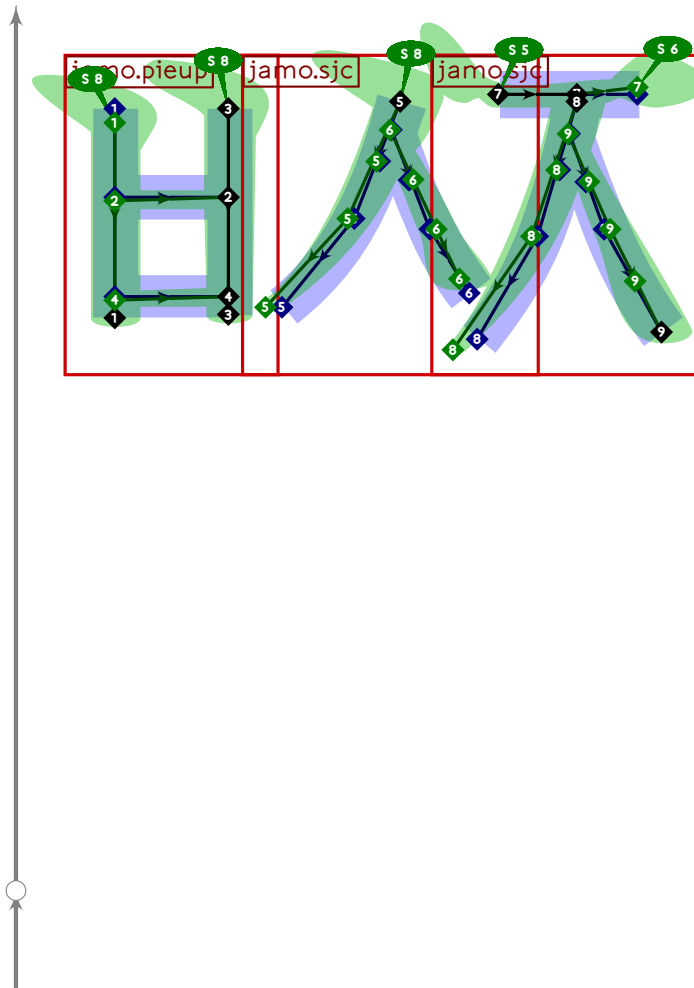
```

U+FF725
mande.uni1125.bug



FF7

```
287 % hangul lead pieup-ssangsios
288 begintsuglyph("uni1125.bug";37);
289 hangul.combine.lcr(107,209,109)(whatever,lixf,loxf);
290 tsu_render;
291 endtsuglyph;
292
```

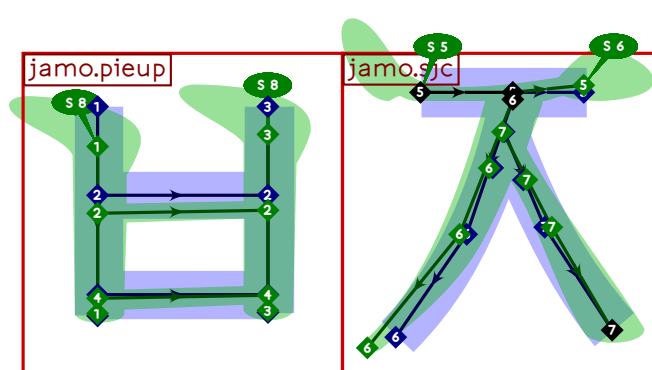



```

293 % hangul lead pieup-sios-cieuc
294 begint Suglyph("uni126.bug";38);
295   hangul.combine.lcr(107,209,112)(whatever,lixf,loxf);
296   tsu_render;
297 endtsuglyph;
298

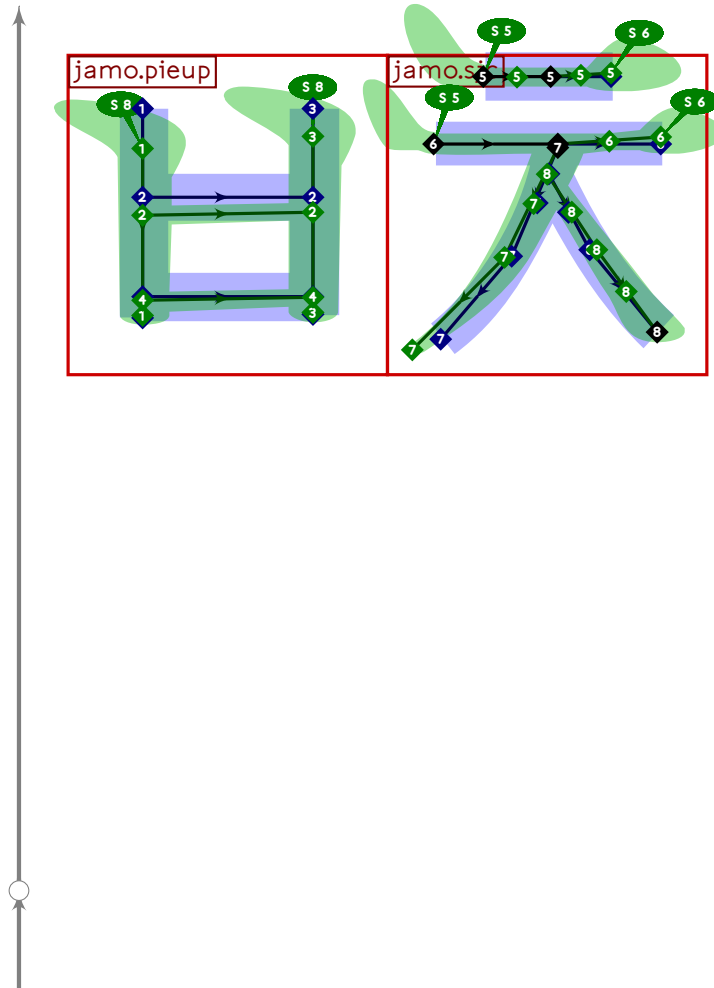
```

U+FF727
mande.uni1127.bug



FF7

```
299 % hangul lead pieup-cieuc
300 begintsuglyph("uni1127.bug",39);
301   hangul.combine.lr(207,112)(whatever,lixf,loxf);
302   tsu_render;
303 endtsuglyph;
304
```

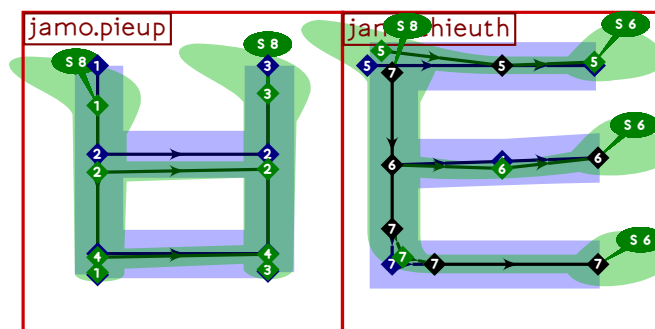


```

305 % hangul lead pieup-chieuch
306 begintsuglyph("uni128.bug"40);
307   hangul.combine.lr(207,114)(whatever,lixf,loxf);
308   tsu_render;
309 endtsuglyph;
310

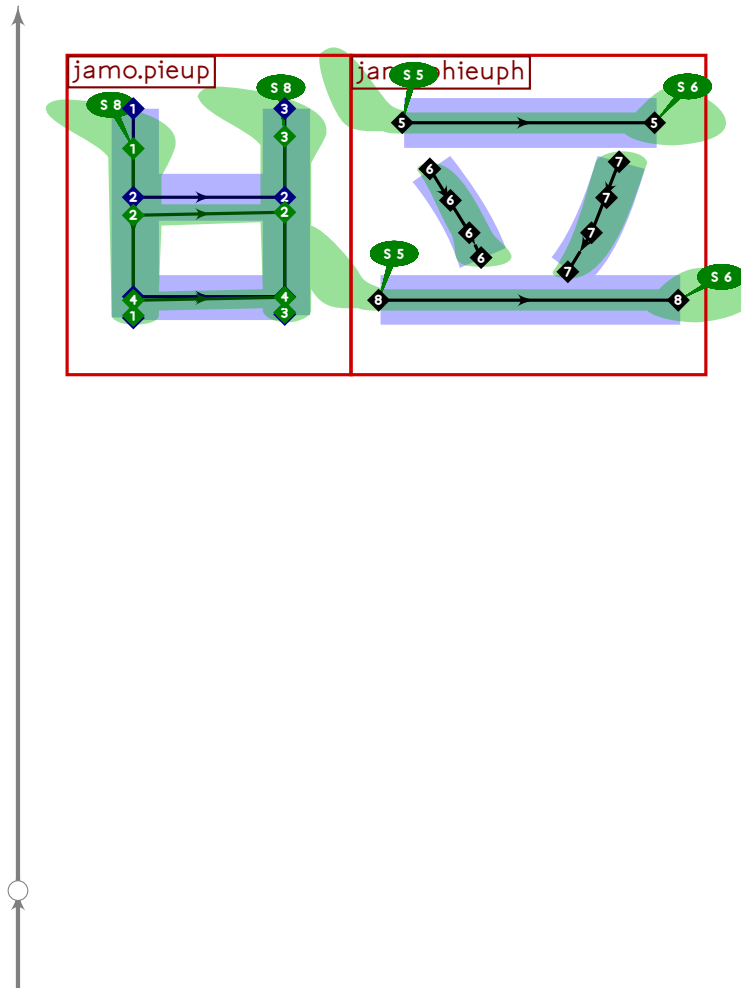
```

U+FF729
mande.uni1129.bug



FF7

```
311 % hangul lead pieup-thieuth
312 begintsuglyph("uni1129.bug";41);
313 hangul.combine.lr(207,116)(whatever,lixf,loxf);
314 tsu_render;
315 endtsuglyph;
316
```

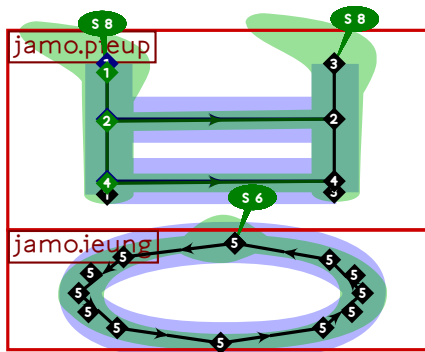


```

317 % hangul lead pieup-phieup
318 begintsuglyph("uni112A.bug",42);
319 hangul.combine.lr(207,117)(whatever,lixf,loxf);
320 tsu_render;
321 endtsuglyph;
322

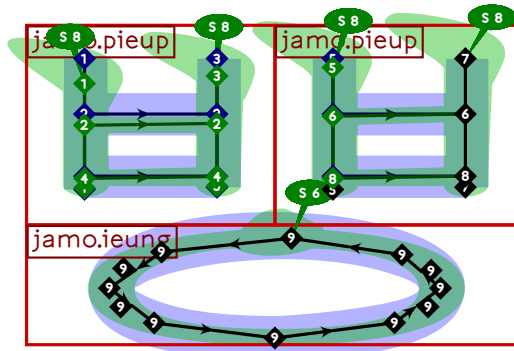
```

U+FF72B
mande.uni112B.bug



FF7

```
323 % hangul lead kapyeounpieup
324 begintsuglyph("uni112B.bug";43);
325   hangul.combine.tb(107,521)(whatever,
326     hxf((200,850),(800,-50)) transformed lixf,loxf);
327   tsu_render;
328 endtsuglyph;
329
```

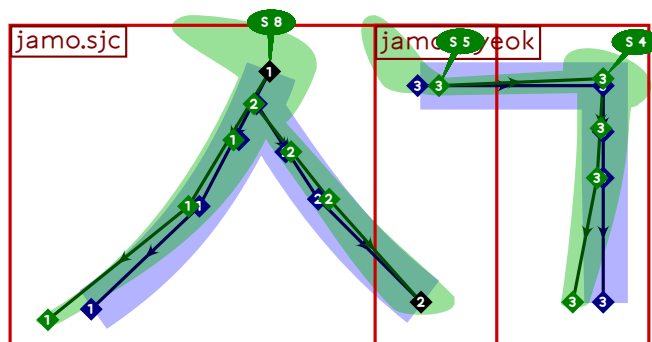


```

330 % hangul lead kapyeounssangpieup
331 begintsuglyph("uni112C.bug",44);
332   hangul.combine.tb(108,521)(whatever,
333     hxf((150,850),(850,-50)) transformed lixf,loxf);
334   tsu_render;
335 endtsuglyph;
336

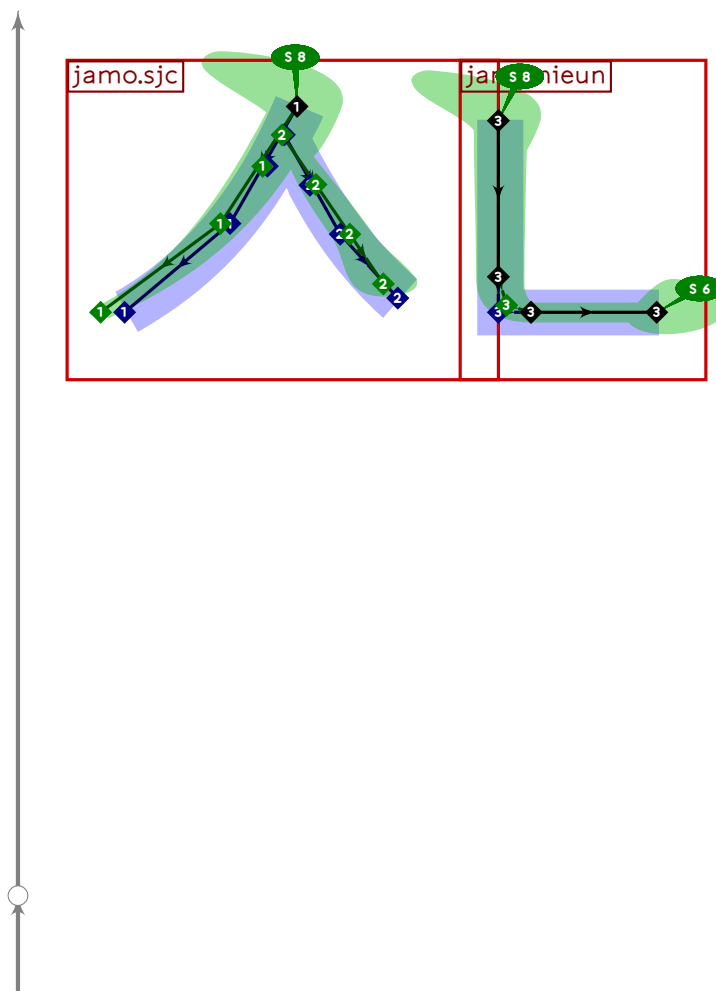
```

U+FF72D
mande.uni112D.bug



FF7

```
337 % hangul lead sios-kiyeok
338 begintsuglyph("uni112D.bug",45);
339 hangul.combine.lr(109,100)(whatever,lixf,loxf);
340 tsu_render;
341 endtsuglyph;
342
```

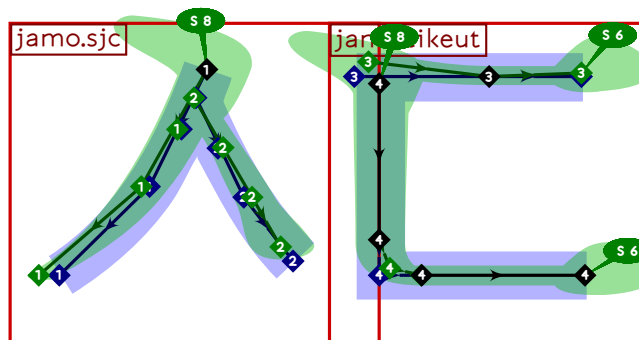



```

343 % hangul lead sios-nieun
344 begint Suglyph("uni112E.bug",46);
345   hangul.combine.lr(209,102)(whatever,lixf,loxf);
346   tsu_render;
347 endtsuglyph;
348

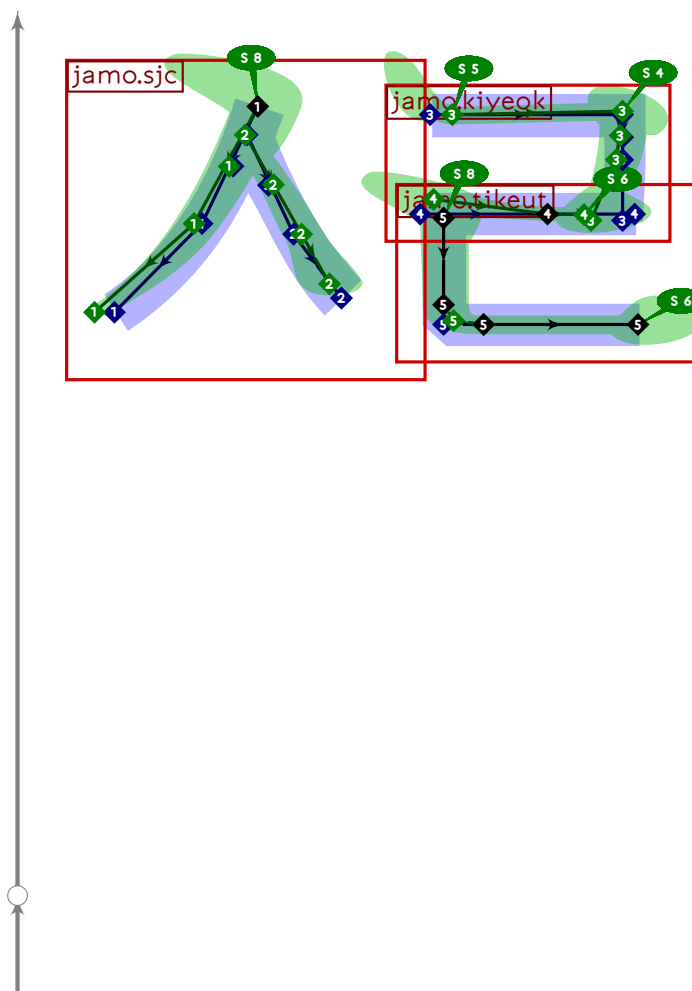
```

U+FF72F
mande.uni112F.bug



FF7

```
349 % hangul lead sios-tikeut
350 begint Suglyph("uni112F.bug";47);
351   hangul.combine.lr(209,103)(whatever,lix,loxf);
352   tsu_render;
353 endtsuglyph;
354
```

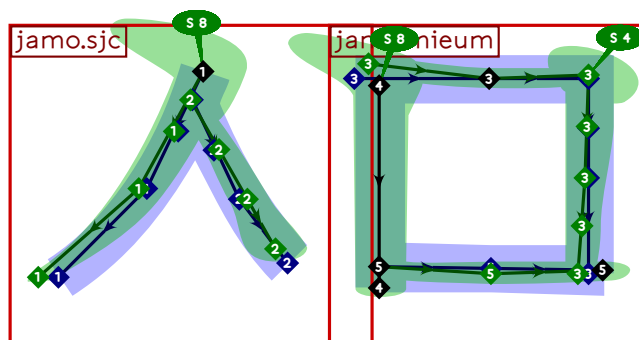


```

355 % hangul lead sios-rieul
356 begint Suglyph("uni1130.bug"48);
357 hangul.combine.lr(209,105)(whatever,lixf,loxf);
358 tsu_render;
359 endtsuglyph;
360

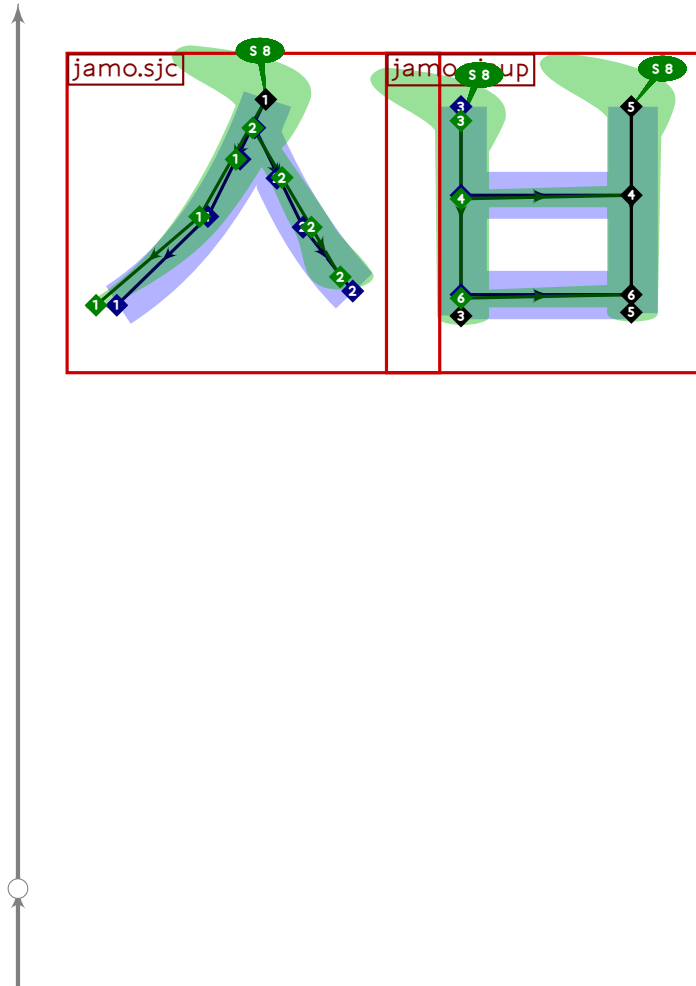
```

U+FF731
mande.uni1131.bug



FF7

```
361 % hangul lead sios-mieum
362 begintsuglyph("uni1131.bug",49);
363 hangul.combine.lr(209,106)(whatever,lixf,loxf);
364 tsu_render;
365 endtsuglyph;
366
```

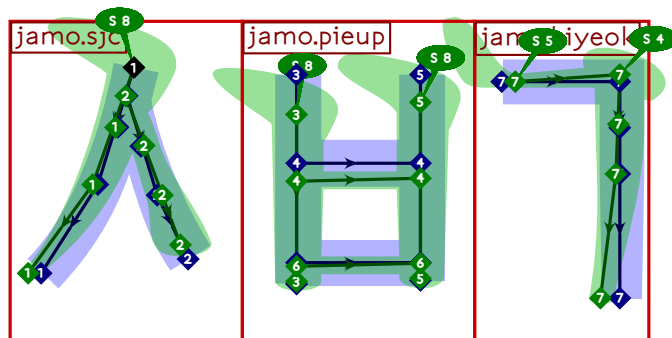


```

367 % hangul lead sios-pieup
368 begint Suglyph("uni1132.bug";50);
369   hangul.combine.lr(209,107)(whatever,lix,loxf);
370   tsu_render;
371 endtsuglyph;
372

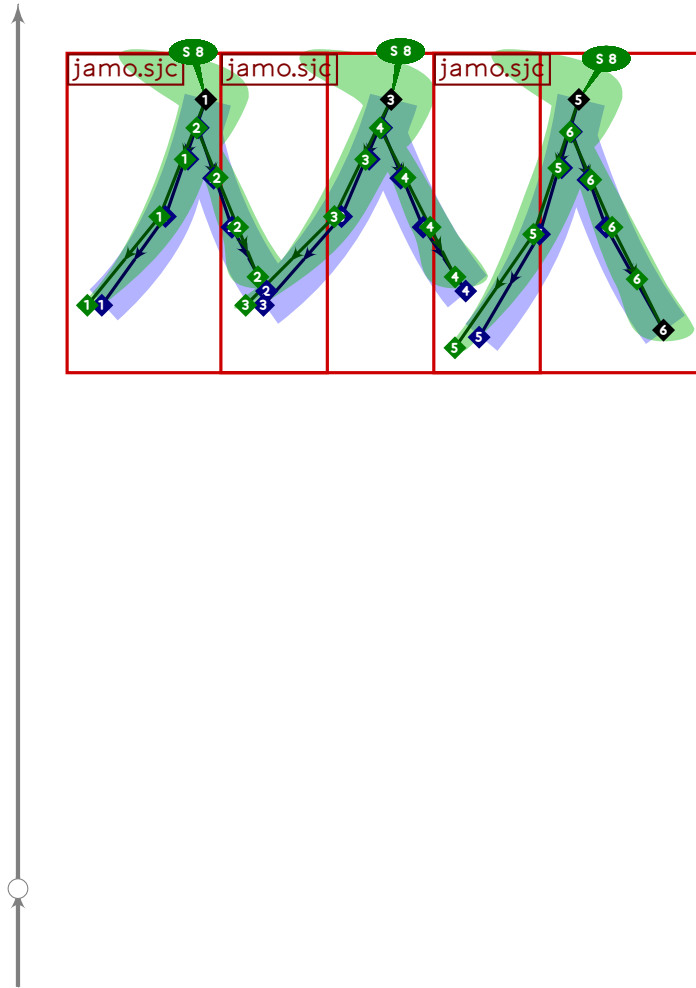
```

U+FF733
mande.uni1133.bug



FF7

```
373 % hangul lead sios-pieup-kiyeok
374 begint Suglyph("uni1133.bug";51);
375 hangul.combine.lcr(209,207,100)(whatever,lixf,loxf);
376 tsu_render;
377 endtsuglyph;
378
```

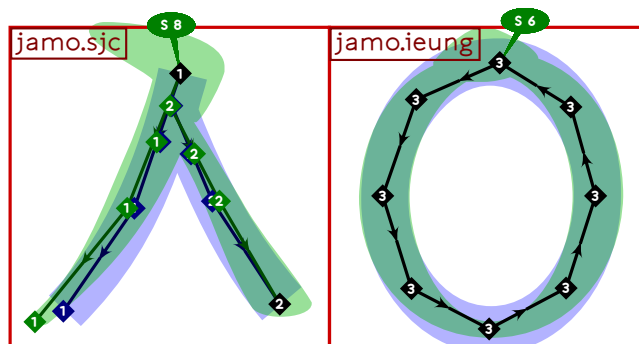


```

379 % hangul lead sios-sios-sios
380 begintsuglyph("uni1134.bug";52);
381   hangul.combine.lcr(209,209,109)(whatever,lixf,loxf);
382   tsu_render;
383 endtsuglyph;
384

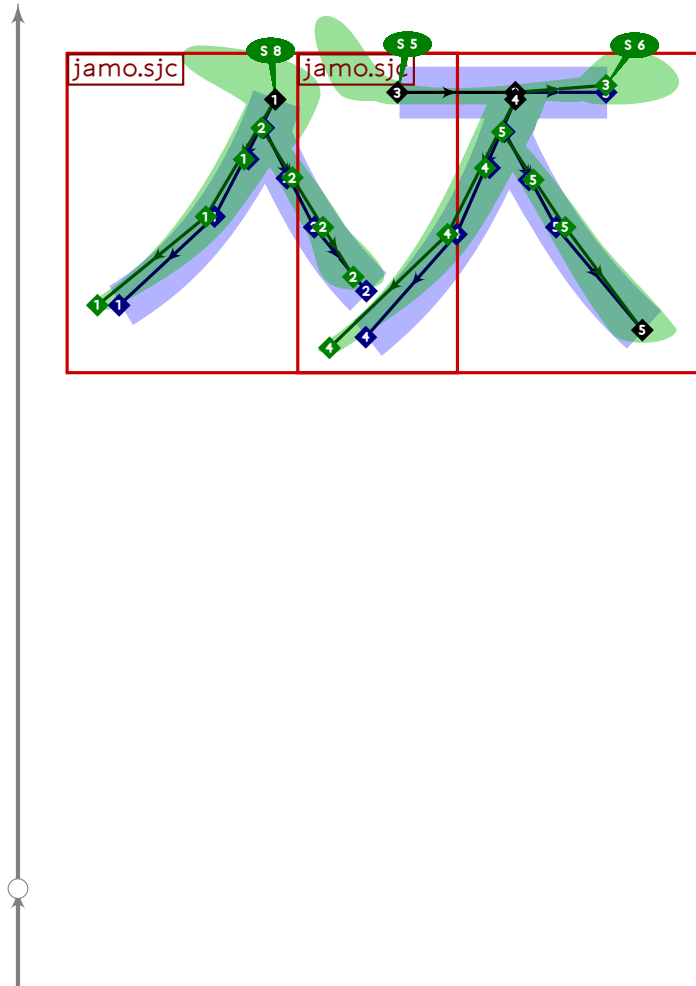
```

U+FF735
mande.uni1135.bug



FF7

```
385 % hangul lead sios-ieung
386 begintsuglyph("uni1135.bug";53);
387   hangul.combine.lr(109,111)(whatever,lixf,loxf);
388   tsu_render;
389 endtsuglyph;
390
```

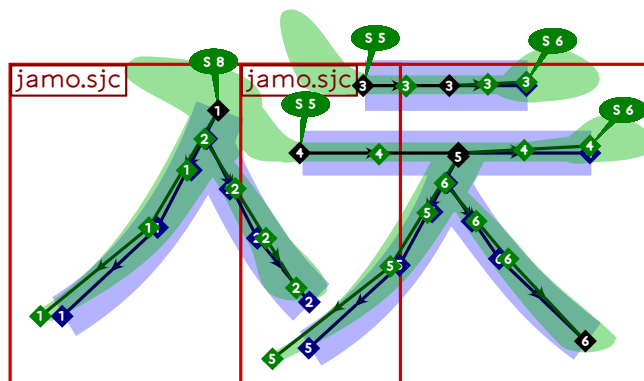



```

391 % hangul lead sios-cieuc
392 begintsuglyph("uni1136.bug";54);
393   hangul.combine.lr(209,112)(whatever,lixf,loxf);
394   tsu_render;
395 endtsuglyph;
396

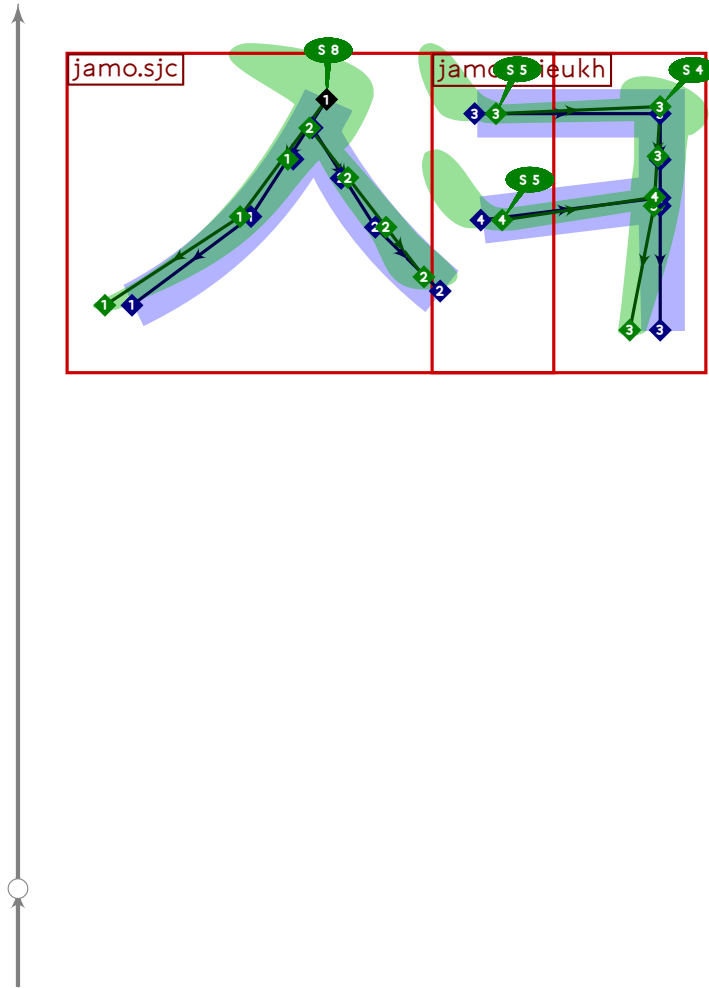
```

U+FF737
mande.uni1137.bug



FF7

```
397 % hangul lead sios-chieuch
398 begintsuglyph("uni1137.bug",55);
399 hangul.combine.lr(209,114)(whatever,lixf,loxf);
400 tsu_render;
401 endtsuglyph;
402
```

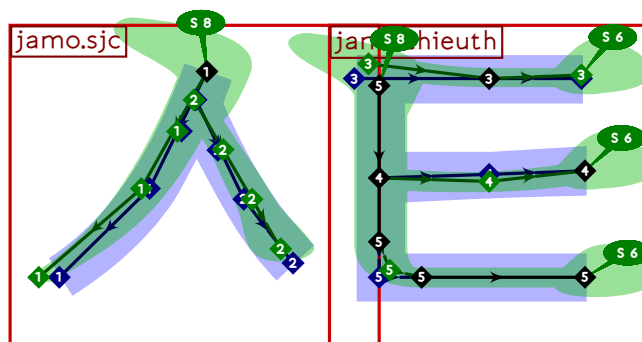


```

403 % hangul lead sios-khieukh
404 begintsuglyph("uni1138.bug";56);
405   hangul.combine.lr(209;115)(whatever;lixf,loxf);
406   tsu_render;
407 endtsuglyph;
408

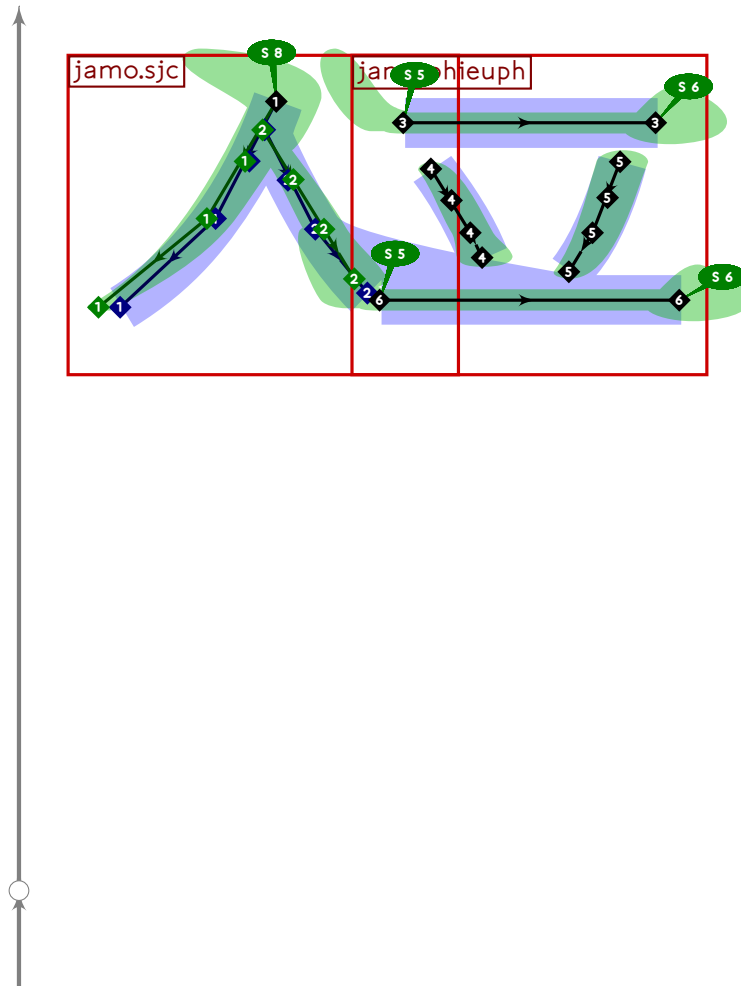
```

U+FF739
mande.uni1139.bug



FF7

```
409 % hangul lead sios-thieuth
410 begint Suglyph("uni1139.bug",57);
411   hangul.combine.lr(209,116)(whatever,lixf,loxf);
412   tsu_render;
413 endtsuglyph;
414
```

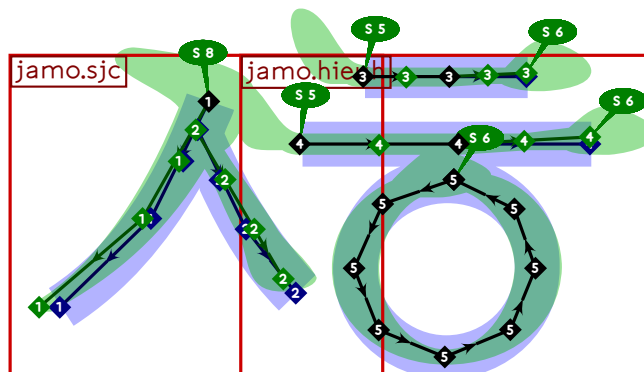


```

415 % hangul lead sios-phieuph
416 begint Suglyph("uni113A.bug";58);
417   hangul.combine.lr(209;117)(whatever;lixf,loxf);
418   tsu_render;
419 endtsuglyph;
420

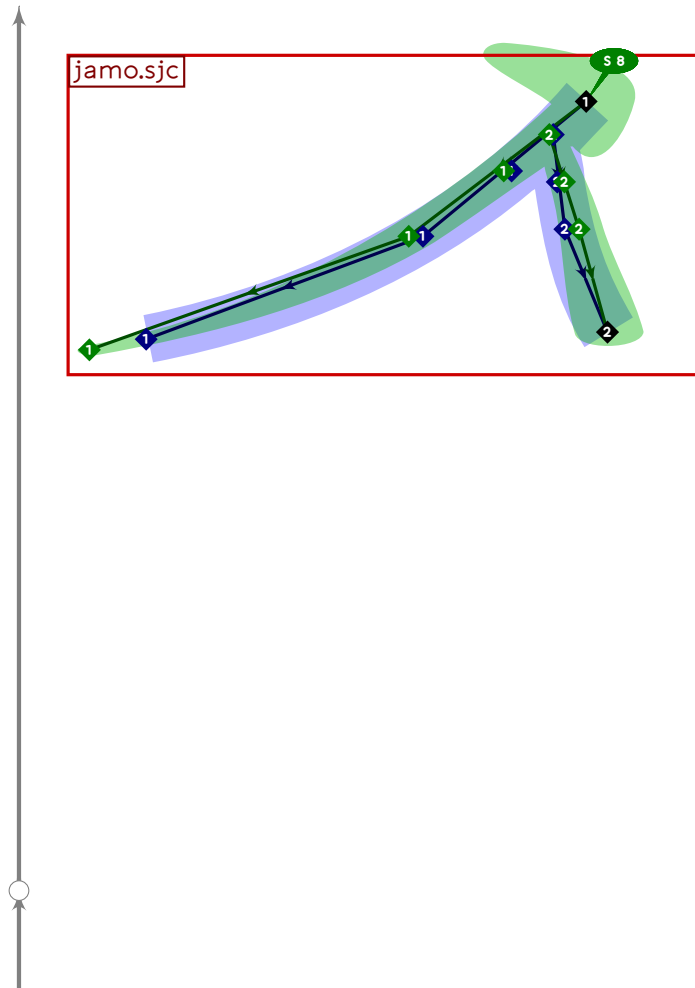
```

U+FF73B
mande.uni113B.bug



FF7

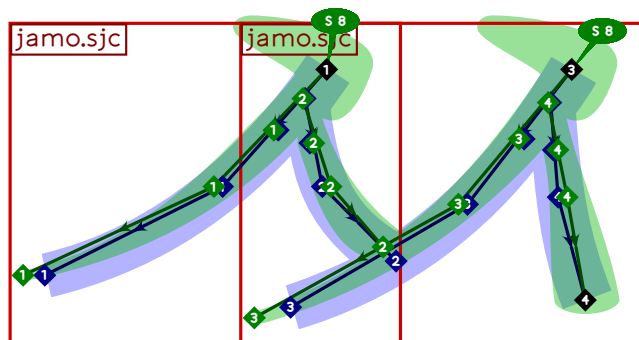
```
421 % hangul lead sios-hieuh
422 begintsuglyph("uni113B.bug";59);
423   hangul.combine.lr(209,118)(whatever,lixf,loxf);
424   tsu_render;
425 endtsuglyph;
426
```



```
427 % hangul lead chitueumsios
428 begintsuglyph("uni113C.bug",60);
429   hangul.jamo.sjc(0,1,false)(whatever,lixf,loxf);
430   tsu_render;
431 endtsuglyph;
432
```

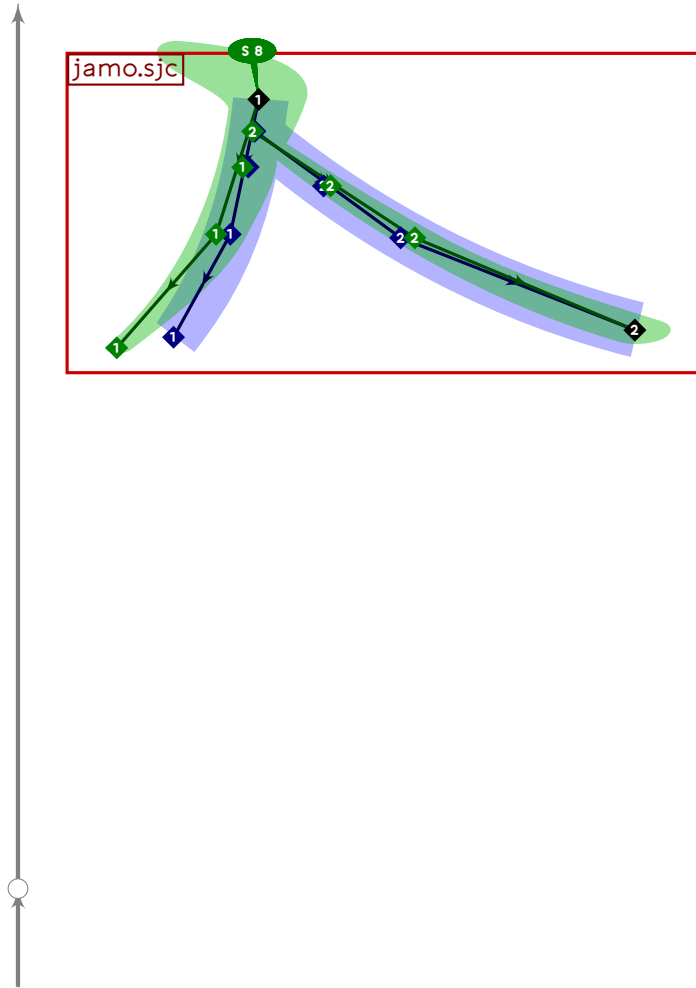
FF7

U+FF73D
mande.uni113D.bug



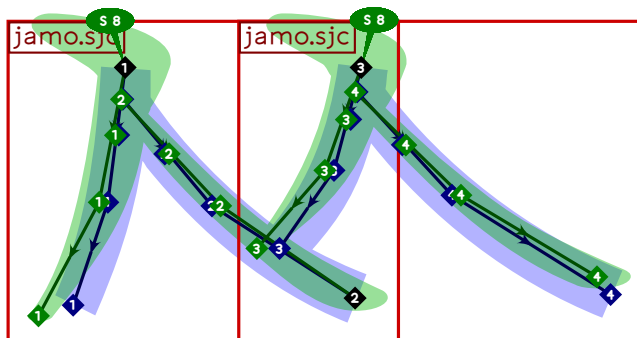
FF7

```
433 % hangul lead chitueumssangsios
434 begintsuglyph("uni113D.bug",61);
435   hangul.combine.lr(223,222)(whatever,lixf,loxf);
436   tsu_render;
437 endtsuglyph;
438
```

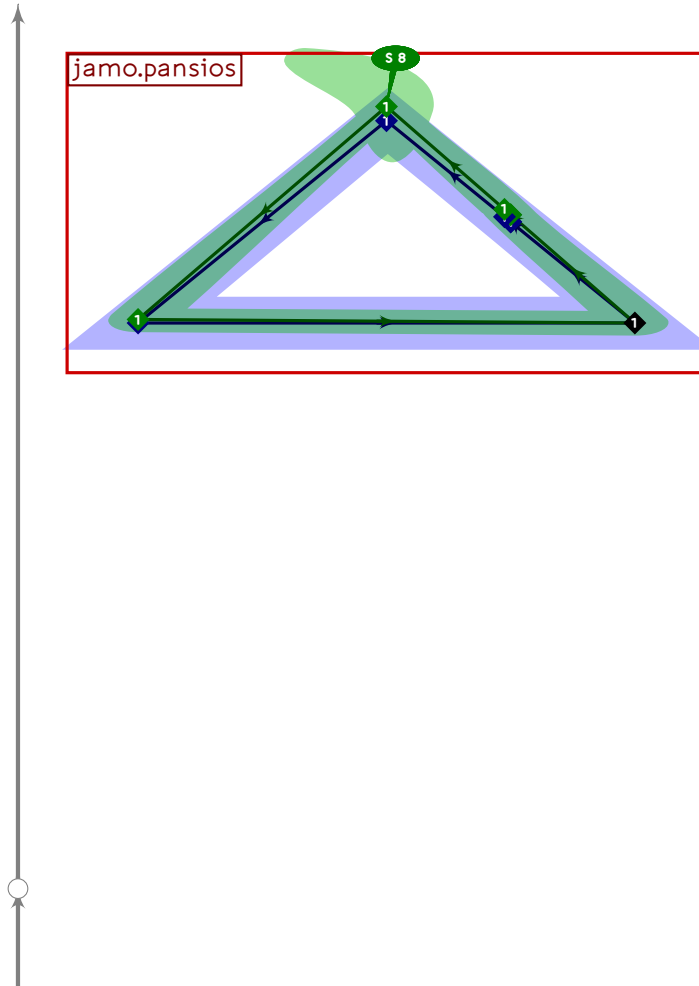
```
439 % hangul lead ceongchieumsios
440 begint Suglyph("uni113E.bug",62);
441   hangul.jamo.sjc(0,-1,false)(whatever,lixf,loxf);
442   tsu_render;
443 endtsuglyph;
444
```

U+FF73F
mande.uni113F.bug



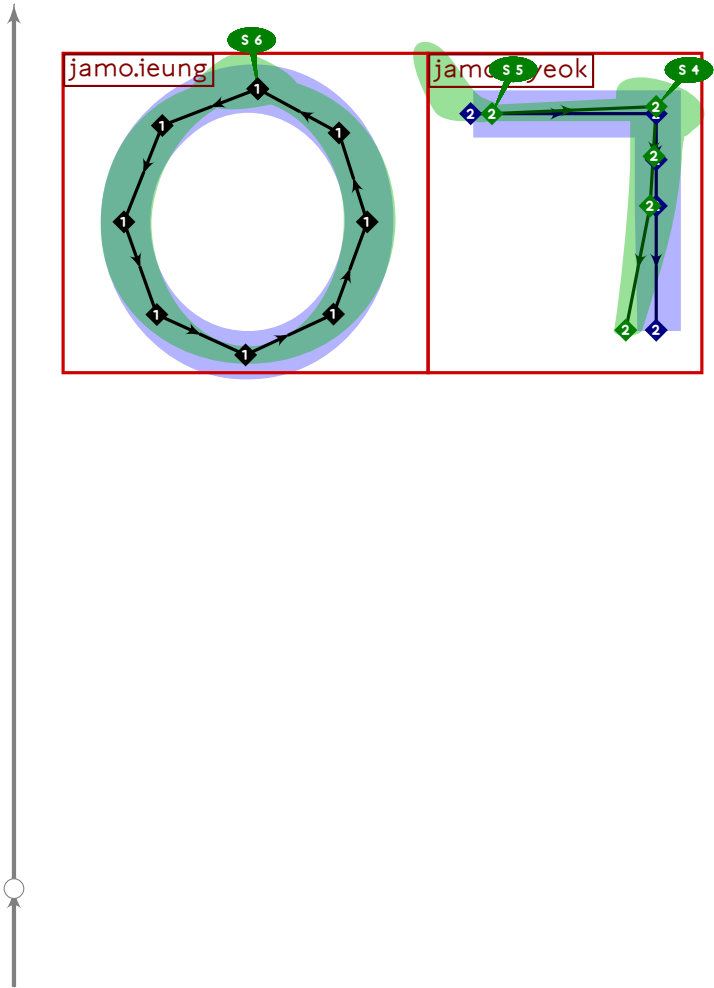
FF7

```
445 % hangul lead ceongchieumssangsios
446 begintsuglyph("uni113F.bug",63);
447   hangul.combine.lr(224,225)(whatever,lixf,loxf);
448   tsu_render;
449 endtsuglyph;
450
```



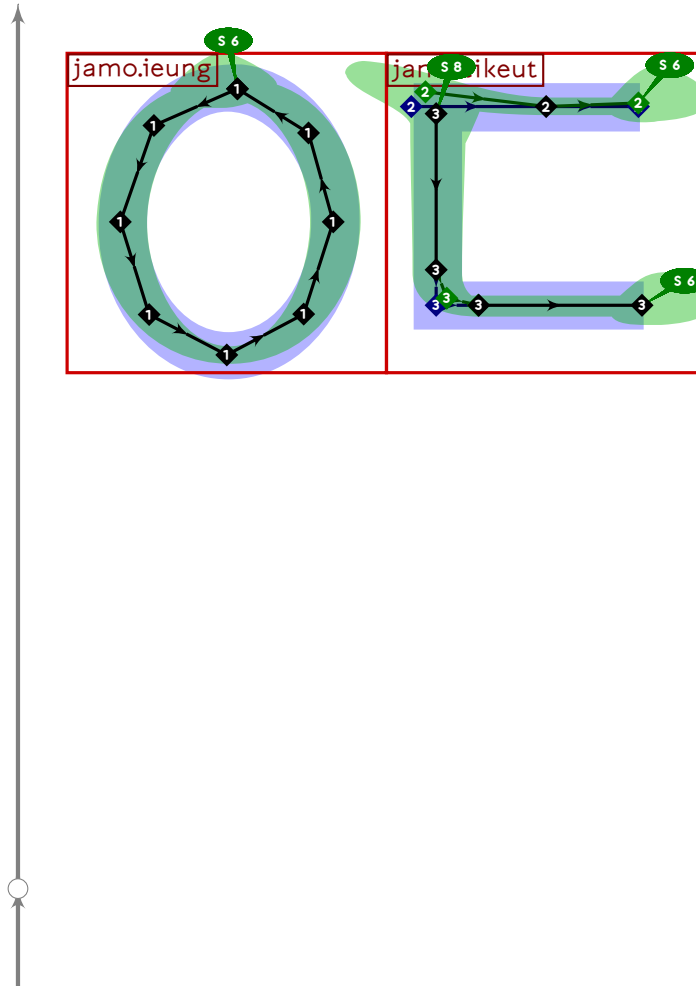
```
451 % hangul lead pansios
452 begintsuglyph("uni1140.bug",64);
453 hangul.jamo.pansios(whatever,lixf,loxf);
454 tsu_render;
455 endtsuglyph;
456
```

U+FF741
mande.uni1141.bug



FF7

```
457 % hangul lead ieung-kiyeok
458 begint Suglyph("uni1141.bug",65);
459 hangul.combine.lr(111,100)(whatever,lix,loxf);
460 tsu_render;
461 endtsuglyph;
462
```

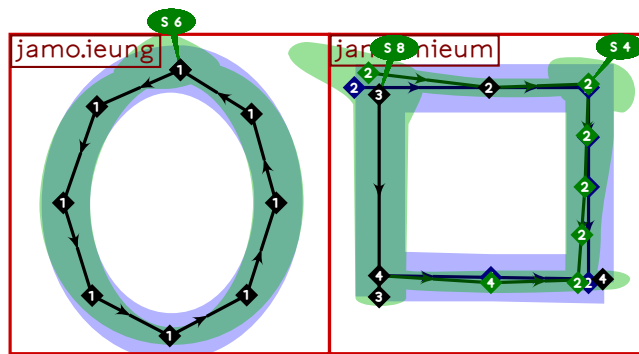


```

463 % hangul lead ieung-tikeut
464 beginsuglyph("uni1142.bug";66);
465   hangul.combine.lr(111,103)(whatever,lixf,loxf);
466   tsu_render;
467 endsuglyph;
468

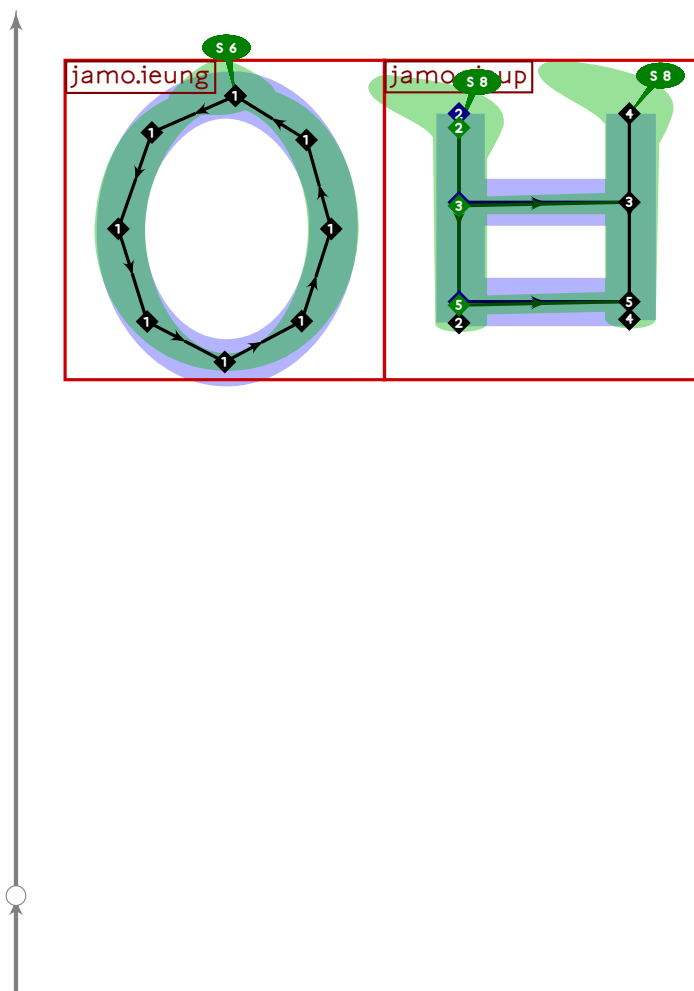
```

U+FF743
mande.uni1143.bug



FF7

```
469 % hangul lead ieung-mieum
470 beginsuglyph("uni1143.bug";67);
471 hangul.combine.lr(111,106)(whatever,lixf,loxf);
472 tsu_render;
473 endsuglyph;
474
```

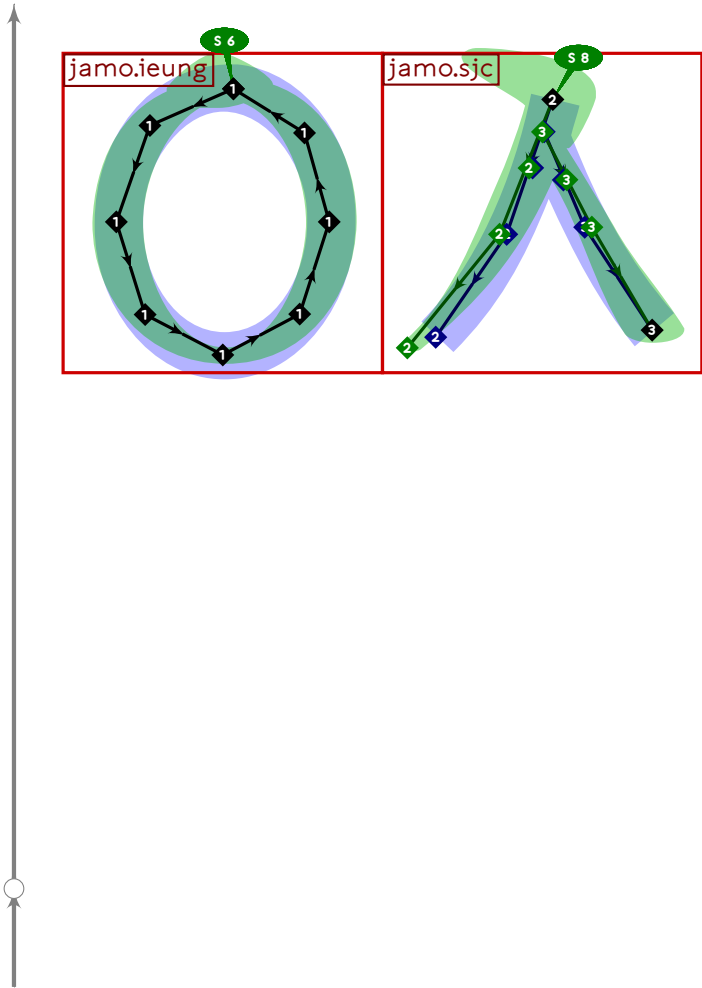


```

475 % hangul lead ieung-pieup
476 begintsuglyph("uni1144.bug";68);
477 hangul.combine.lr(111,107)(whatever,lixf,loxf);
478 tsu_render;
479 endtsuglyph;
480

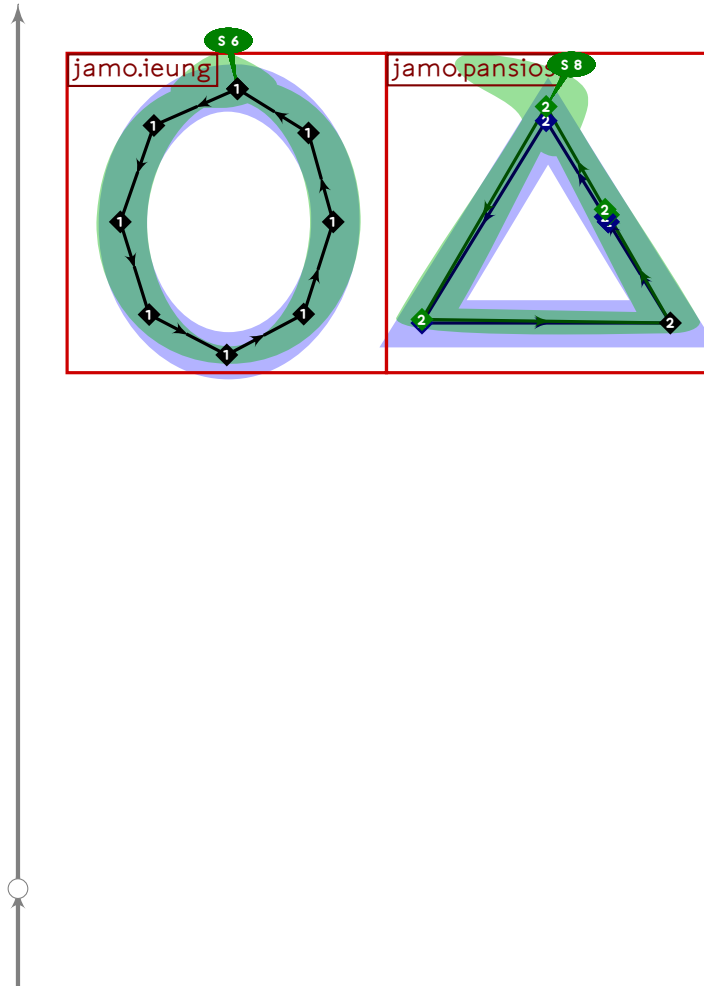
```

U+FF745
mande.uni1145.bug



FF7

```
481 % hangul lead ieung-sios
482 begintsuglyph("uni1145.bug",69);
483   hangul.combine.lr(111,109)(whatever,lixf,loxf);
484   tsu_render;
485 endtsuglyph;
486
```

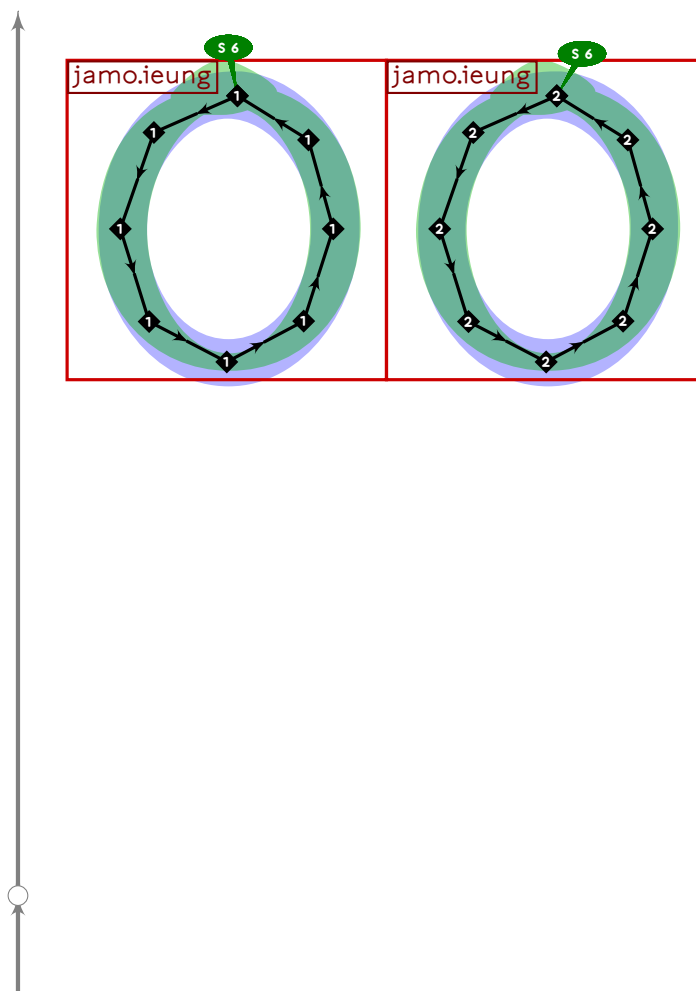



```

487 % hangul lead ieung-pansios
488 begint Suglyph("uni1146.bug",70);
489   hangul.combine.lr(111,219)(whatever,lixf,loxf);
490   tsu_render;
491 endtsuglyph;
492

```

U+FF747
mande.uni1147.bug

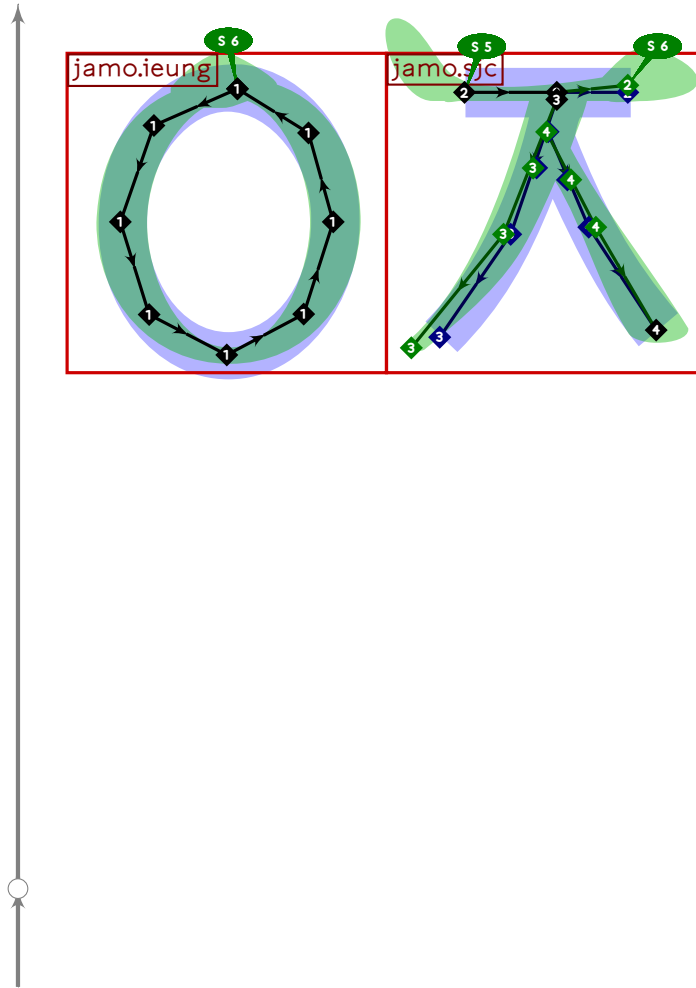


FF7

```

493 % hangul lead ssangieung
494 begint Suglyph("uni1147bug",71);
495   hangul.combine.lr(111,111)(whatever,lixf,loxf);
496   tsu_render;
497 endts Suglyph;
498

```

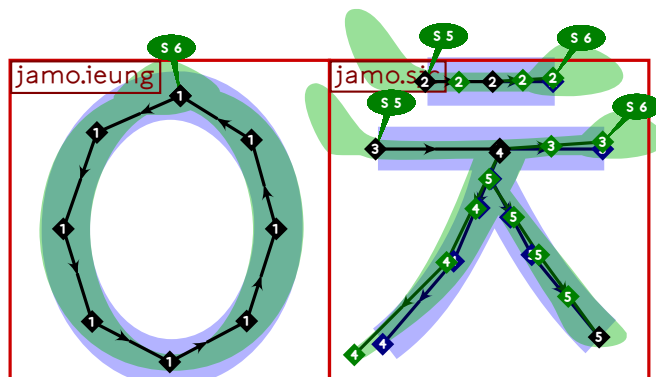


```

499 % hangul lead ieung-cieuc
500 beginsuglyph("uni1148.bug",72);
501   hangul.combine.lr(111,112)(whatever,lixf,loxf);
502   tsu_render;
503 endsuglyph;
504

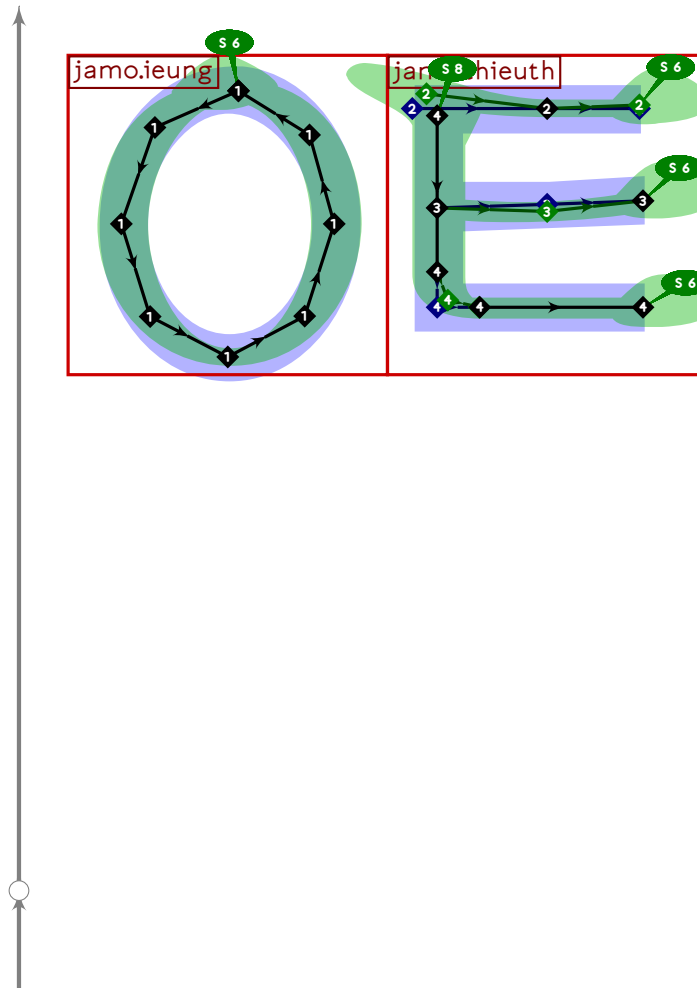
```

U+FF749
mande.uni1149.bug



FF7

```
505 % hangul lead ieung-chieuch
506 begintsuglyph("uni1149.bug",73);
507   hangul.combine.lr(111,114)(whatever,lixf,loxf);
508   tsu_render;
509 endtsuglyph;
510
```

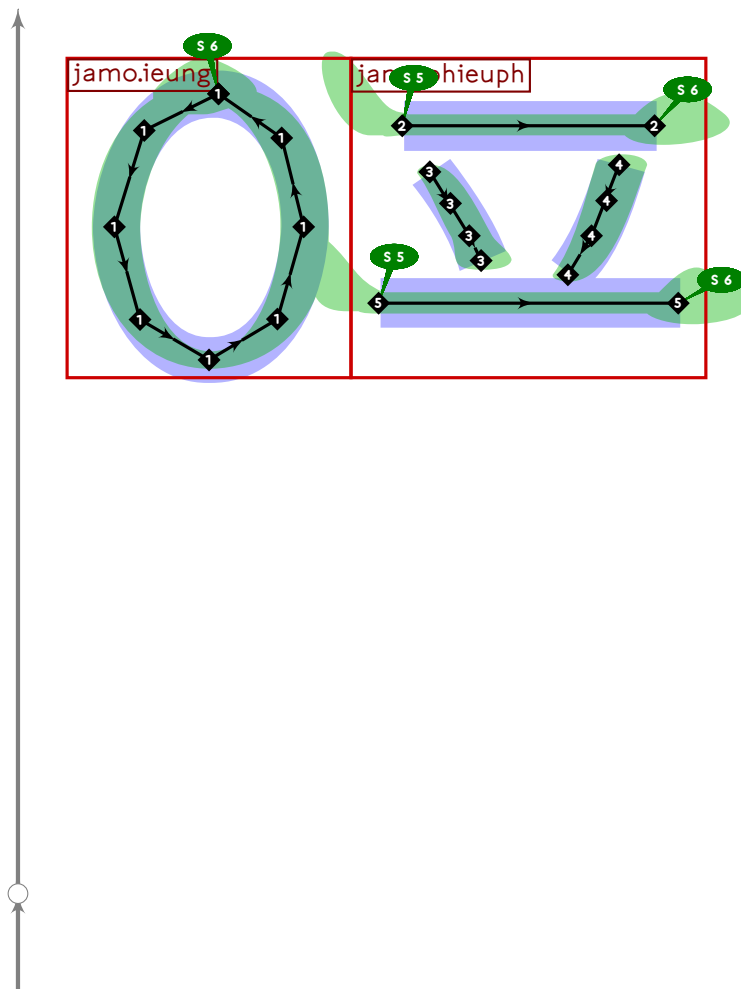


```

511 % hangul lead ieung-theiuth
512 begintsuglyph("uni114A.bug",74);
513 hangul.combine.lr(111,116)(whatever,lixf,loxf);
514 tsu_render;
515 endtsuglyph;
516

```

U+FF74B
mande.uni114B.bug

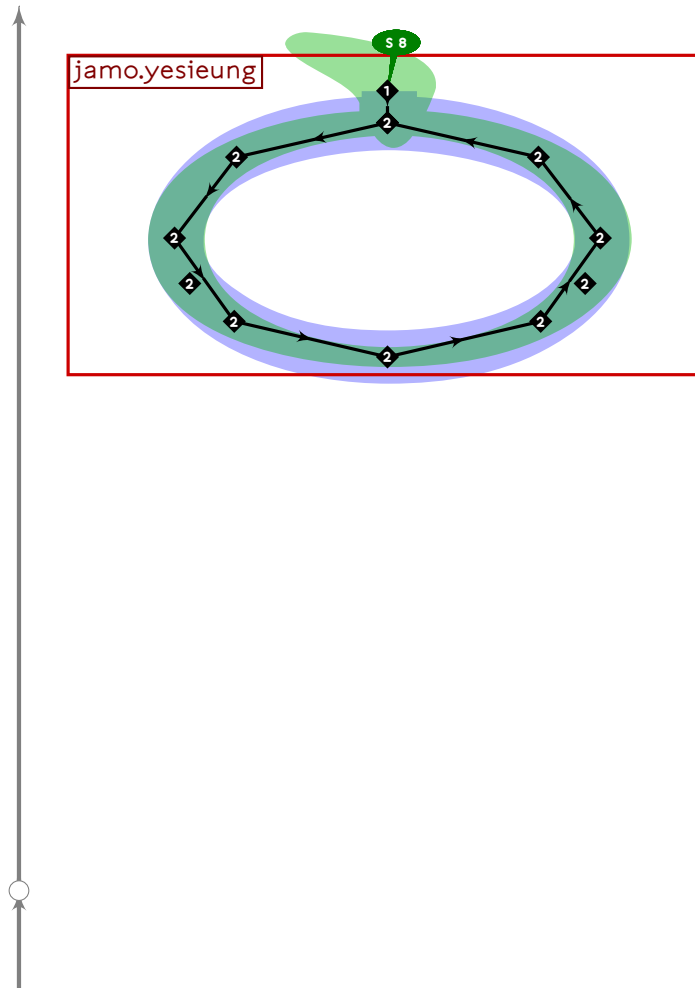


FF7

```

517 % hangul lead ieung-phieuph
518 begintsuglyph("uni114B.bug";75);
519 hangul.combine.lr(111,117)(whatever,lixf,loxf);
520 tsu_render;
521 endtsuglyph;
522

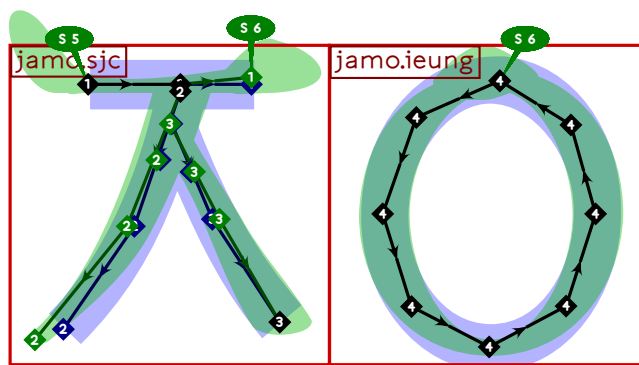
```



```
523 % hangul lead yesieung
524 beginsuglyph("uni114C.bug",76);
525   hangul.jamo.yesieung(whatever,lixf,loxf);
526   tsu_render;
527 endsuglyph;
528
```

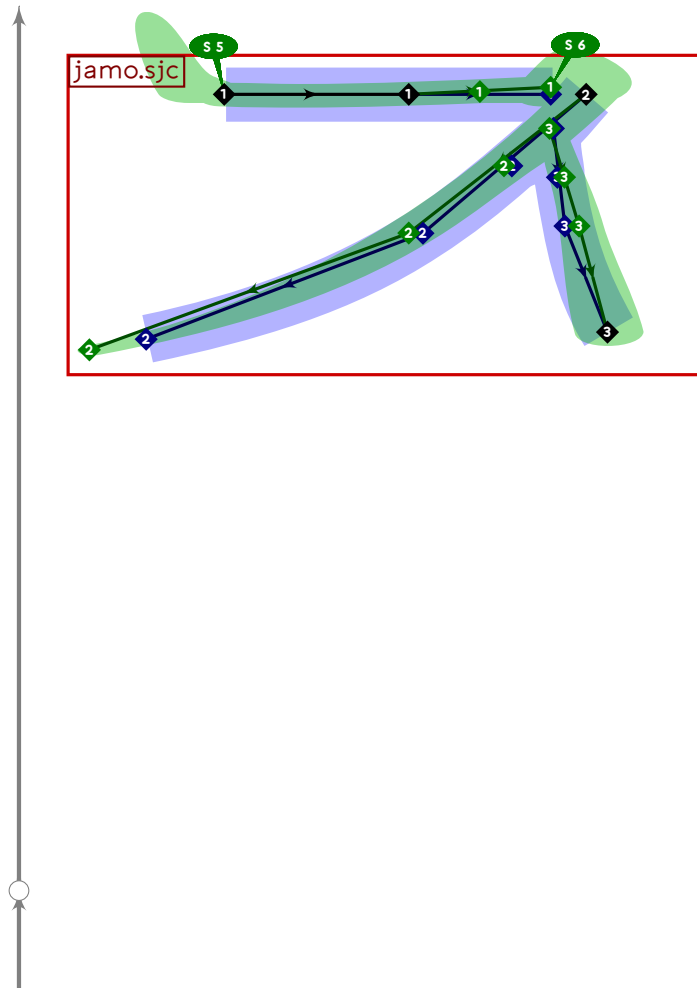
FF7

U+FF74D
mande.uni114D.bug



FF7

```
529 % hangul lead cieuc-ieung
530 beginsuglyph("uni114D.bug",77);
531   hangul.combine.lr(112,111)(whatever,lixf,loxf);
532   tsu_render;
533 endsuglyph;
534
```

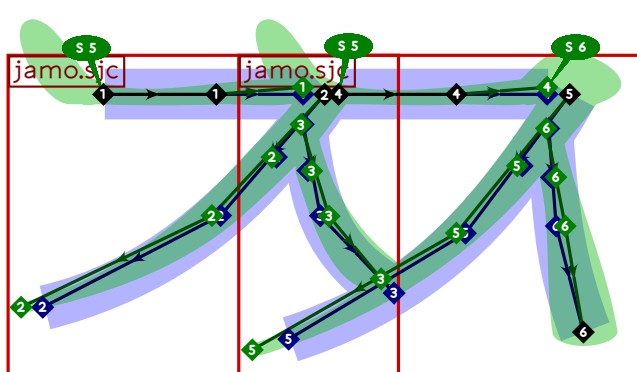



```

535 % hangul lead chitueumcieuc
536 begint Suglyph("uni114E.bug",78);
537   hangul.jamo.sjc(1,1,false)(whatever,lixf,loxf);
538   tsu_render;
539 endtsuglyph;
540

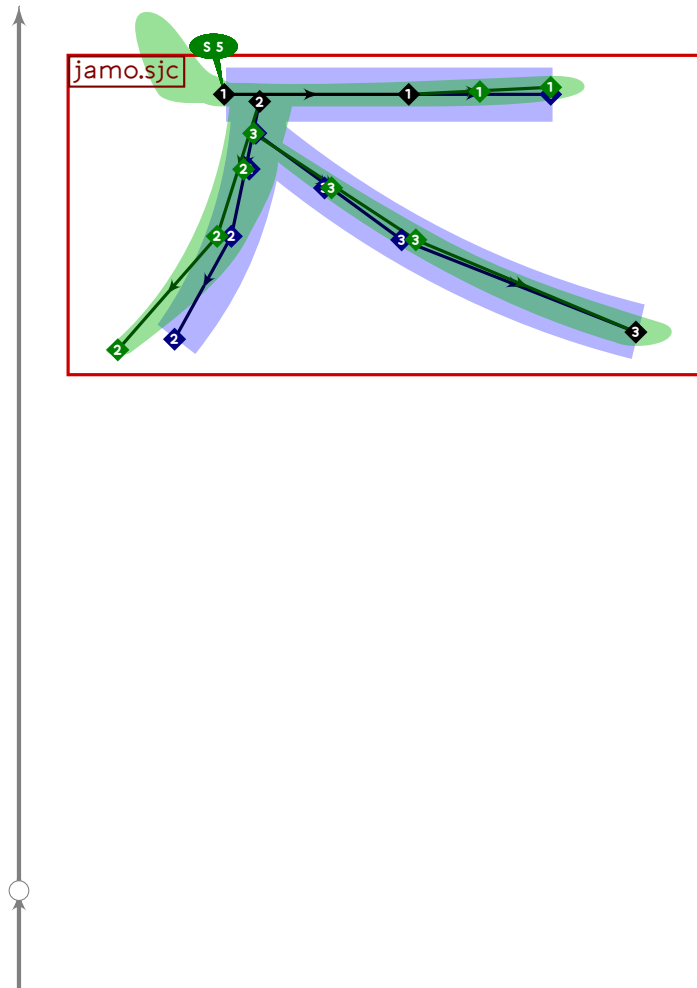
```

U+FF74F
mande.uni114F.bug



FF7

```
541 % hangul lead chitueumssangcieuc
542 begintsuglyph("uni114F.bug",79);
543   hangul.combine.lr(227,226)(whatever,lixf,loxf);
544   tsu_render;
545 endtsuglyph;
546
```



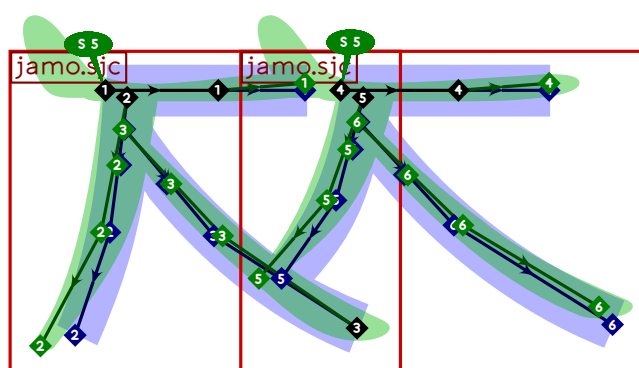
```

547 % hangul lead ceongchieumcieuc
548 begint Suglyph("uni1150.bug";80);
549   hangul.jamo.sjc(1,-1,false)(whatever,lixf,loxf);
550   tsu_render;
551   endtsuglyph;
552

```

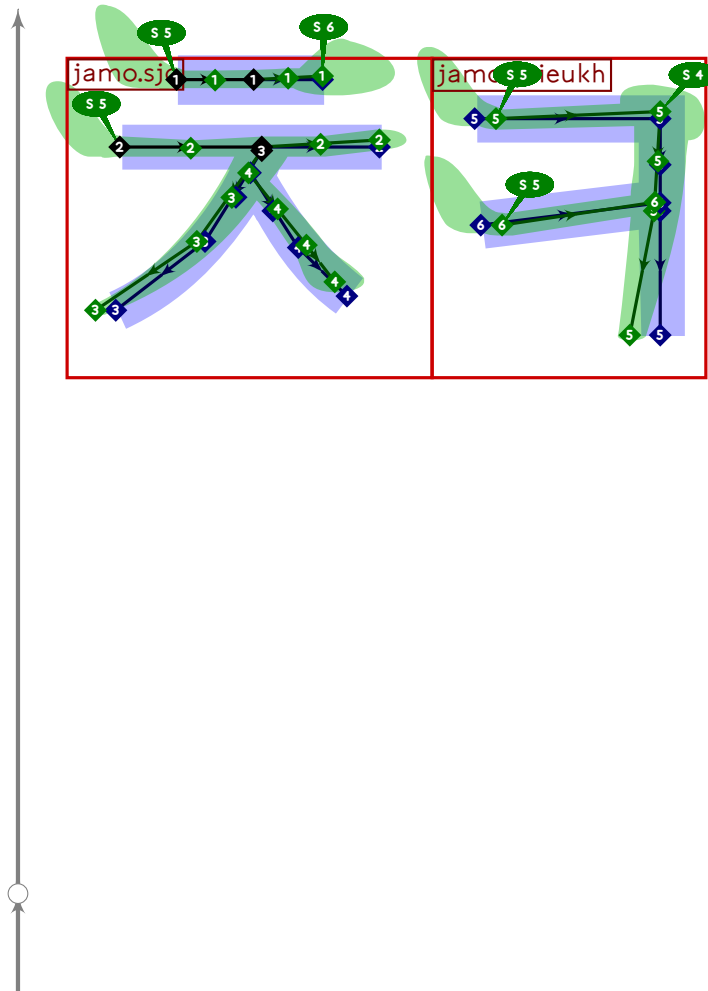
FF7

U+FF751
mande.uni1151.bug



FF7

```
553 % hangul lead ceongchieumssangcieuc
554 begintsuglyph("uni1151.bug",81);
555   hangul.combine.lr(228,229)(whatever,lxf,loxf);
556   tsu_render;
557 endtsuglyph;
558
```

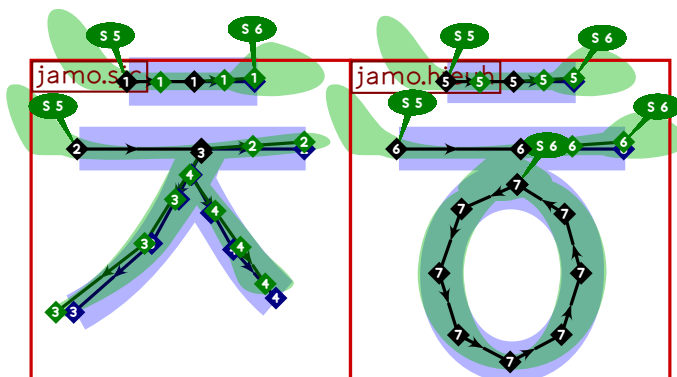


```

559 % hangul lead chieuch-khieukh
560 begint Suglyph("uni1152.bug";82);
561   hangul.combine.lcr(214,230,115)(whatever,lixf,loxf);
562   tsu_render;
563 endtsuglyph;
564

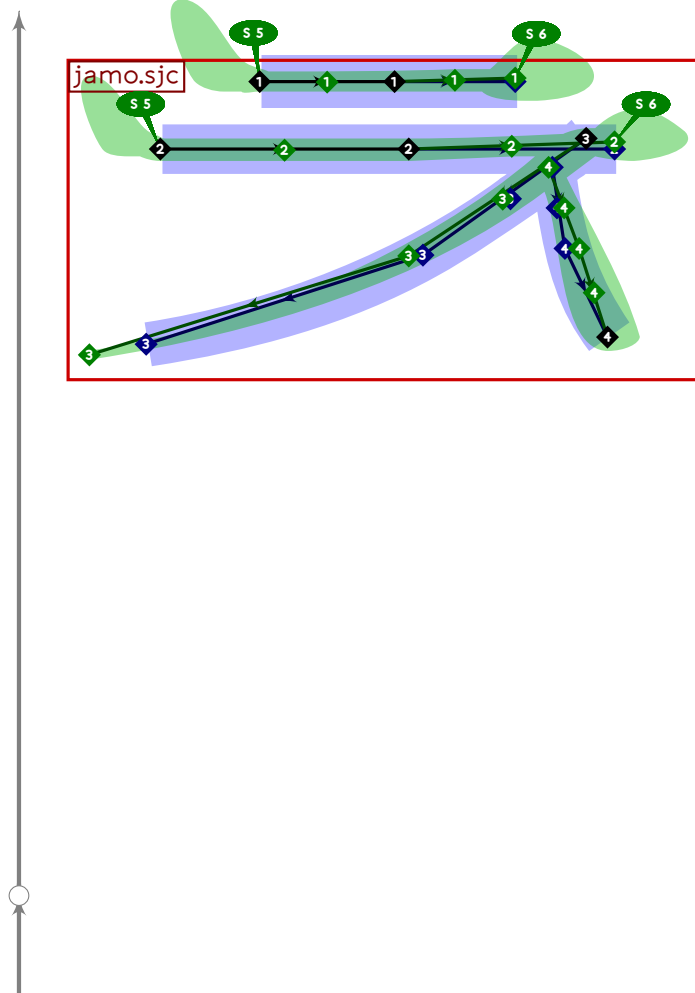
```

U+FF753
mande.uni1153.bug



FF7

```
565 % hangul lead chieuch-hieuh
566 begintsuglyph("uni1153.bug";83);
567   hangul.combine.lcr(214,230,118)(whatever,lixf,loxf);
568   tsu_render;
569 endtsuglyph;
570
```

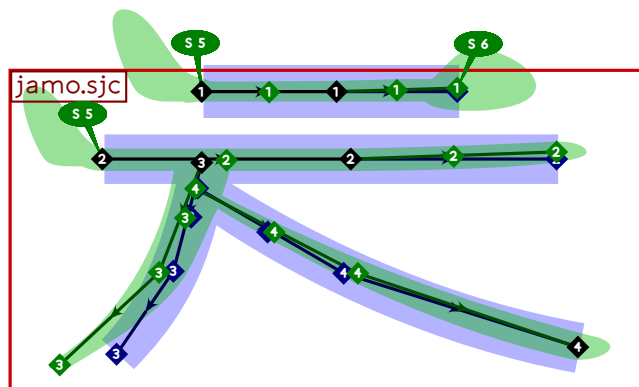


```

571 % hangul lead chitueumcieuc
572 begintsuglyph("uni1154.bug";84);
573   hangul.jamo.sjc(2,1,false)(whatever,lixf,loxf);
574   tsu_render;
575 endtsuglyph;
576

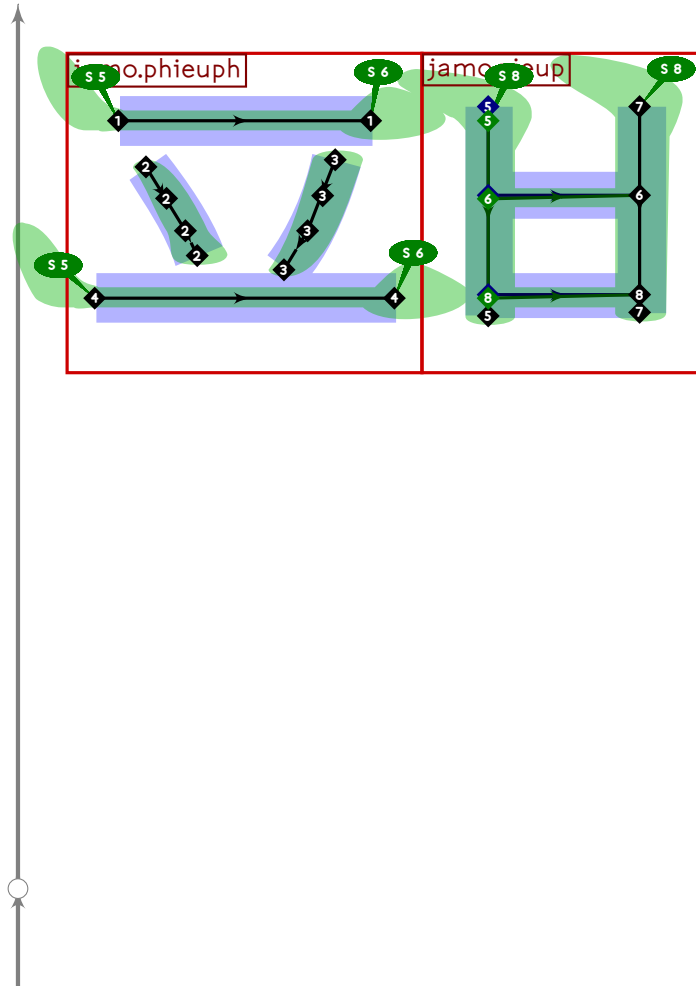
```

U+FF755
mande.uni1155.bug



FF7

```
577 % hangul lead ceongchieumcieuc
578 begint Suglyph("uni1155.bug",85);
579   hangul.jamo.sjc(2,-1,false)(whatever,lixf,loxf);
580   tsu_render;
581 endtsuglyph;
582
```

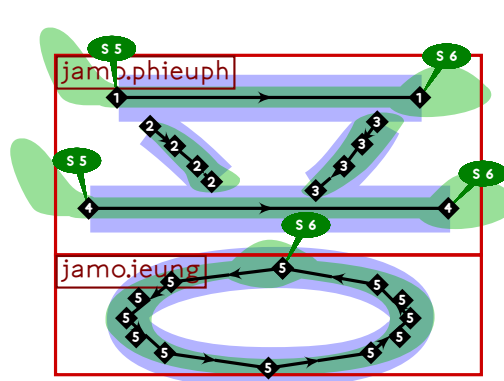



```

583 % hangul lead phieuph-pieup
584 begintsuglyph("uni1156.bug";86);
585   hangul.combine.lr(117,107)(whatever,lixf,loxf);
586   tsu_render;
587 endtsuglyph;
588

```

U+FF757
mande.uni1157.bug

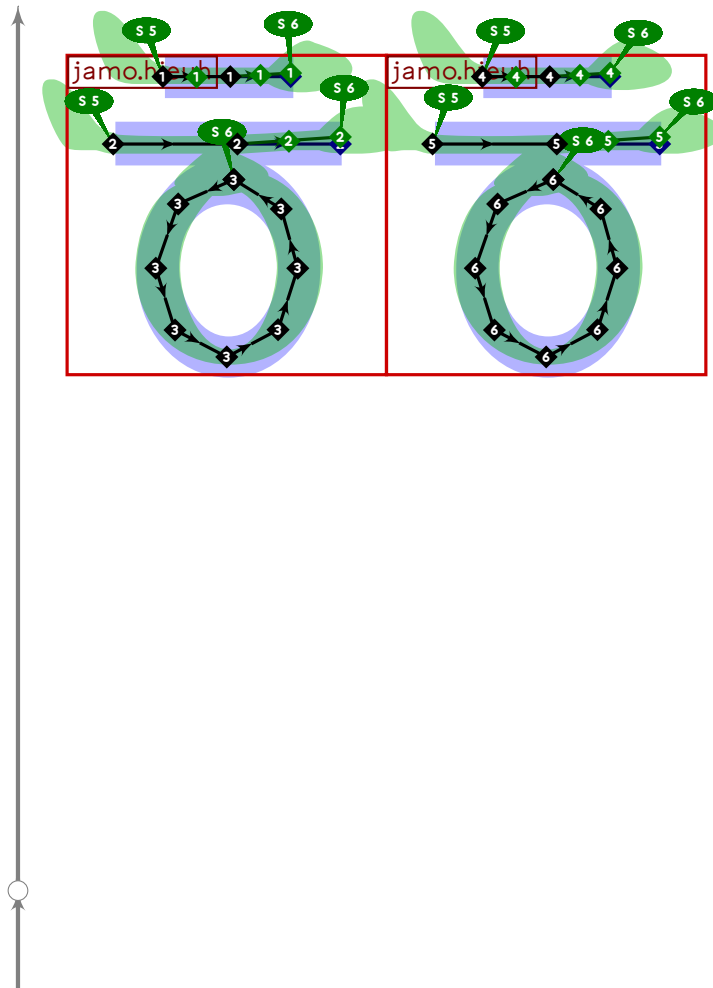


FF7

```

589 % hangul lead kapyeounphieuph
590 begintsuglyph("uni1157.bug";87);
591   hangul.combine.tb(117,521)(whatever,
592     hxf((250,850),(850,-50)) transformed lixf,loxf);
593   tsu_render;
594 endtsuglyph;
595

```

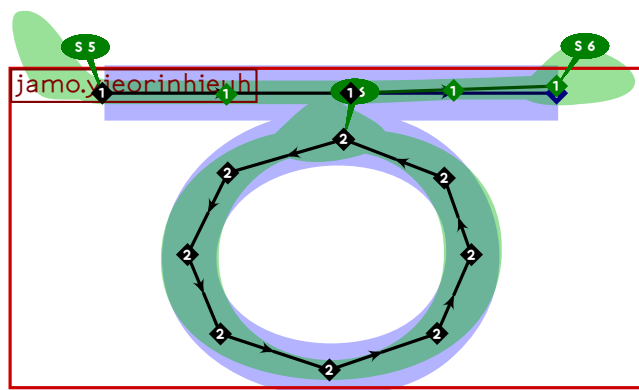


```

596 % hangul lead ssanghieuh
597 begint Suglyph("uni1158.bug";88);
598   hangul.combine.lcr(118,230,118)(whatever,lixf,loxf);
599   tsu_render;
600 endtsuglyph;
601

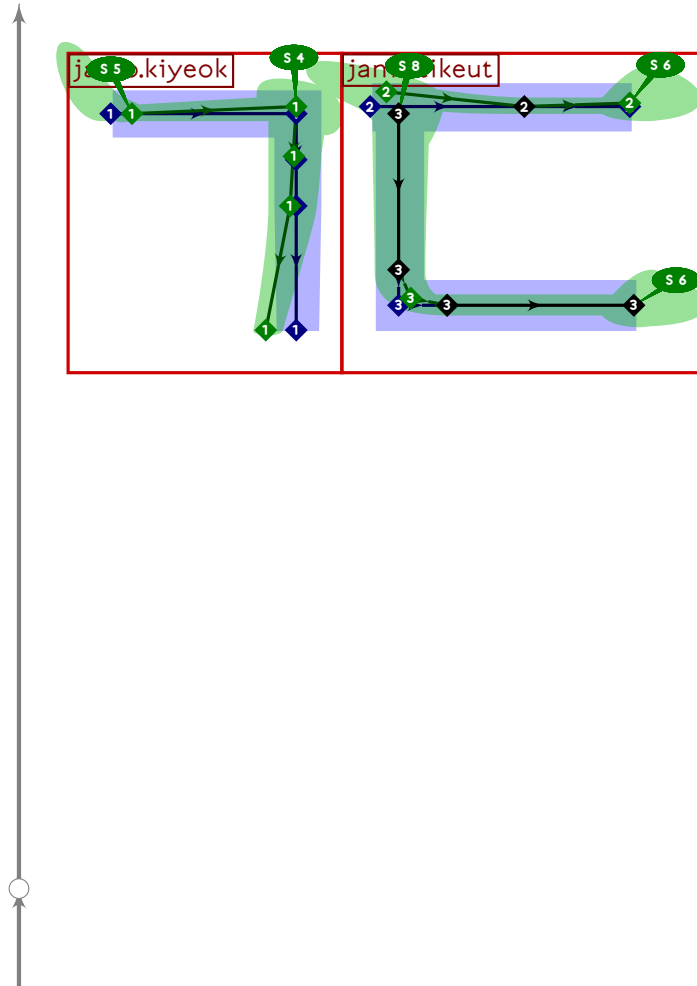
```

U+FF759
mande.uni1159.bug



FF7

```
602 % hangul lead yeorinhieuh
603 beginsuglyph("uni1159.bug",89);
604 hangul.jamo.yeorinhieuh(whatever,lixf,loxf);
605 tsu_render;
606 endsuglyph;
607
```

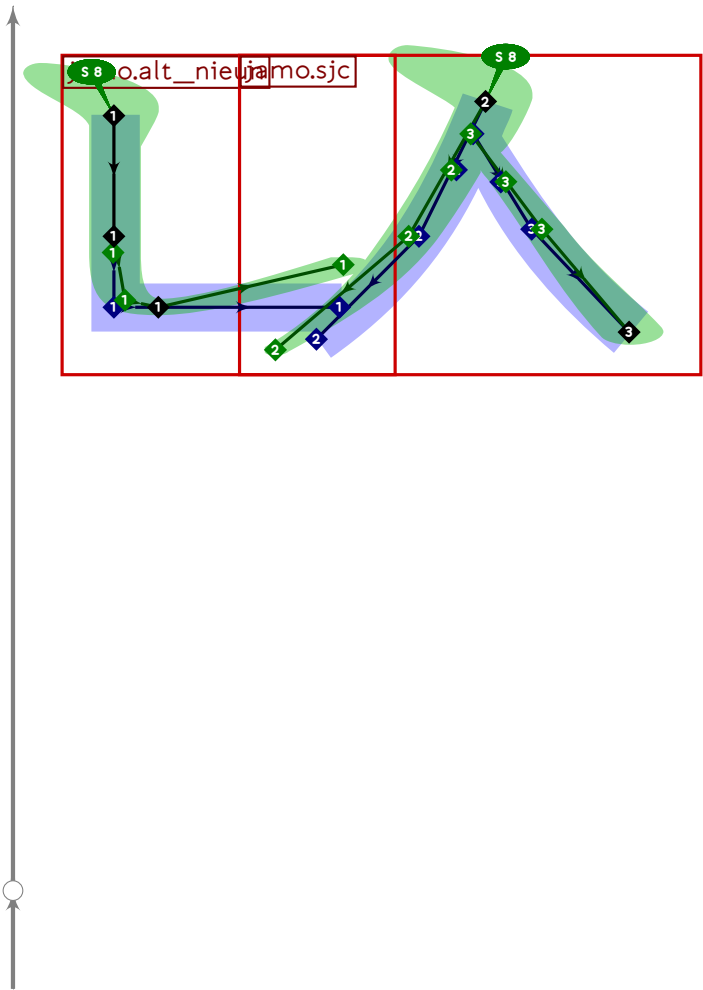


```

608 % hangul lead kiyeok-tikeut
609 begintsuglyph("uni115A.bug",90);
610 hangul.combine.lr(100,103)(whatever,lixf,loxf);
611 tsu_render;
612 endtsuglyph;
613

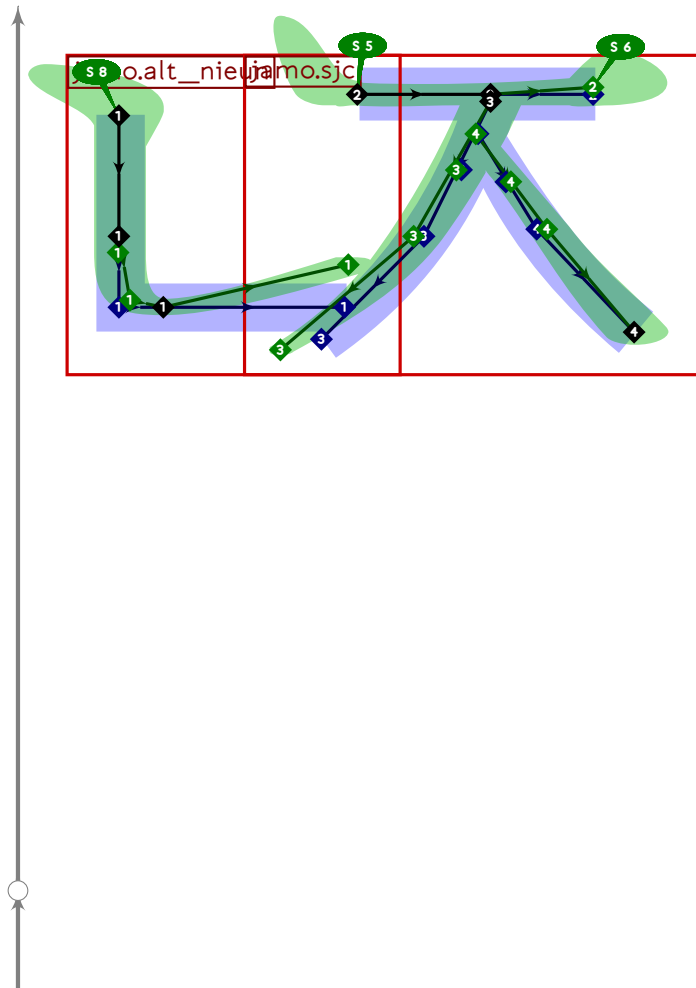
```

U+FF75B
mande.uni115B.bug



FF7

```
614 % hangul lead nieun-sios
615 begintsuglyph("uni115B.bug",91);
616   hangul.combine.lr(202,109)(whatever,lixf,loxf);
617   tsu_render;
618 endsuglyph;
619
```

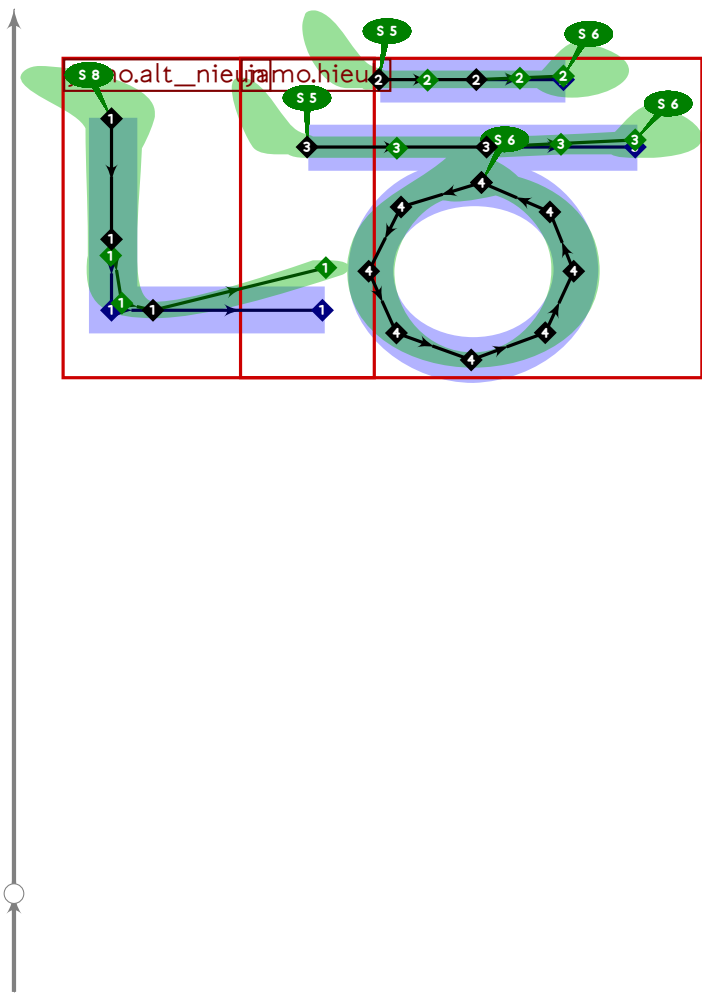


```

620 % hangul lead nieun-cieuc
621 begintsuglyph("uni115C.bug",92);
622   hangul.combine.lr(202,112)(whatever,lixf,loxf);
623   tsu_render;
624 endtsuglyph;
625

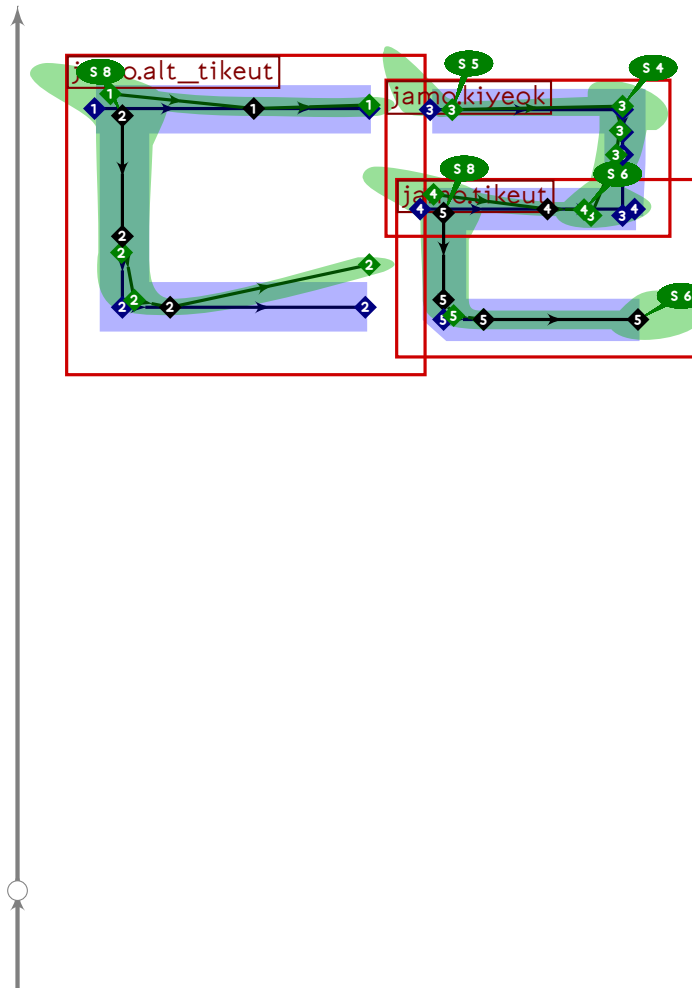
```

U+FF75D
mande.uni115D.bug



FF7

```
626 % hangul lead nieun-hieuh
627 beginsuglyph("uni115D.bug",93);
628   hangul.combine.lr(202,118)(whatever,lixf,loxf);
629   tsu_render;
630 endsuglyph;
631
```

```

632 % hangul lead tikeut-rieul
633 begintsuglyph("uni115E.bug",94);
634   hangul.combine.lr(203,105)(whatever,lixf,loxf);
635   tsu_render;
636 endtsuglyph;
637
638
639

```

FF7

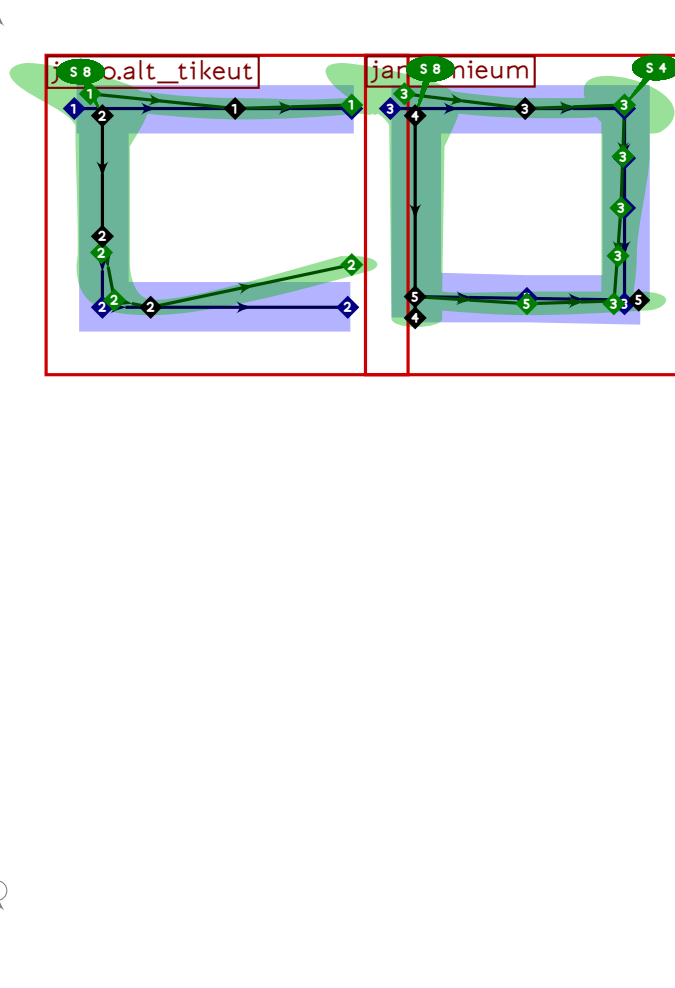
Hangul Choseong (Lead) Jamo Extended A

```

640 % HANGUL CHOSEONG (LEAD) JAMO EXTENDED A
641

```

U+FF760
mande.uniA960.bug

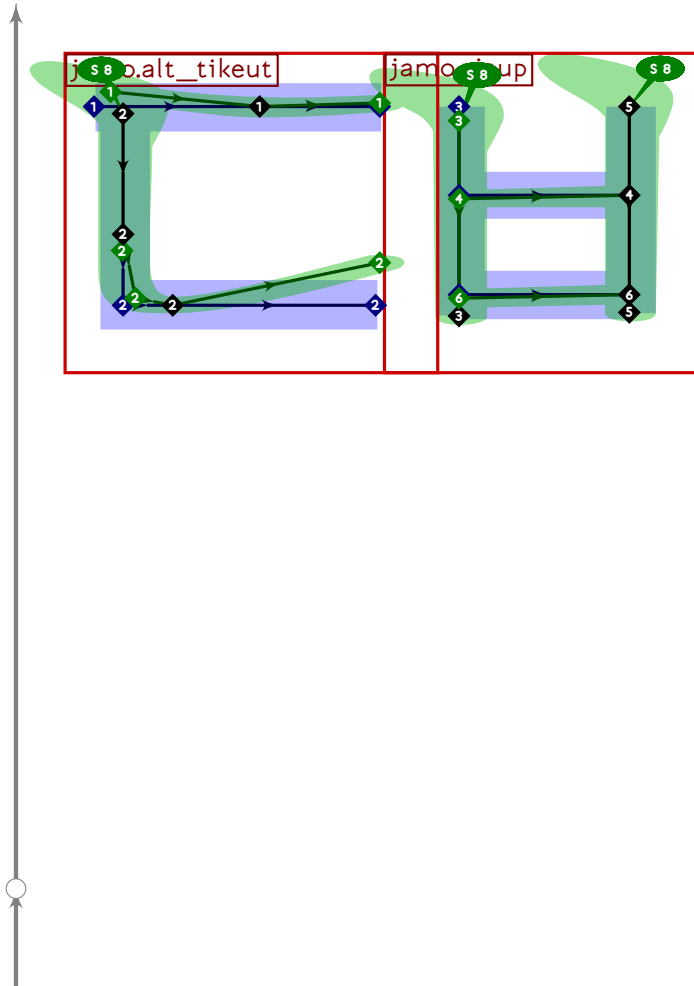


FF7

```

642 % hangul lead tikeut-mieum
643 beginsuglyph("uniA960.bug";96);
644   hangul.combine.lr(203,106)(whatever,lixf,loxf);
645   tsu_render;
646 endsuglyph;
647

```

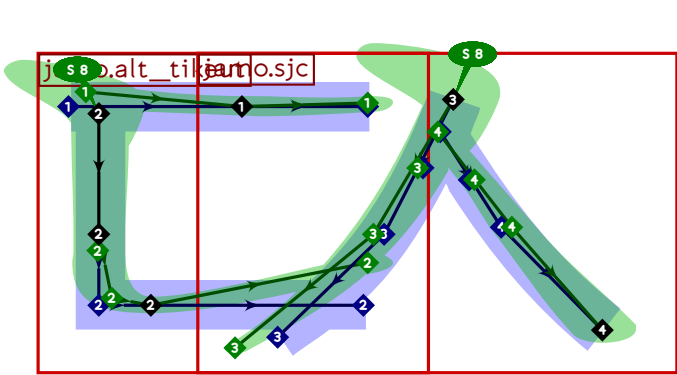


```

648 % hangul lead tikeut-pieup
649 begintsuglyph("uniA961.bug";97);
650 hangul.combine.lr(203,107)(whatever,lixf,loxf);
651 tsu_render;
652 endsuglyph;
653

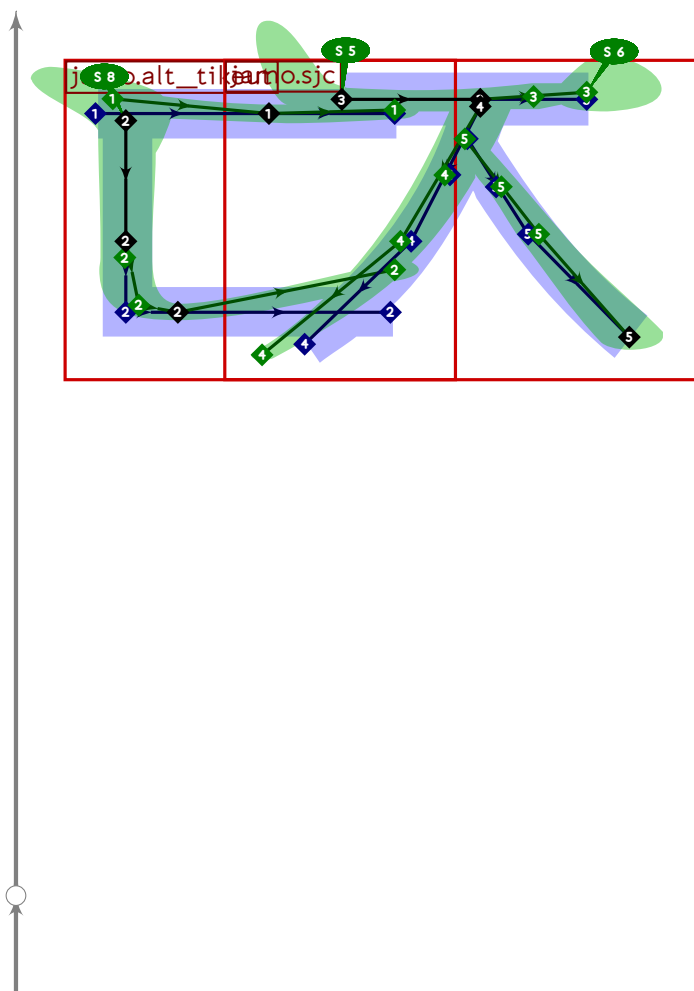
```

U+FF762
mande.uniA962.bug



FF7

```
654 % hangul lead tikeut-sios
655 begintsuglyph("uniA962.bug",98);
656   hangul.combine.lr(203,109)(whatever,lixf,loxf);
657   tsu_render;
658 endsuglyph;
659
```



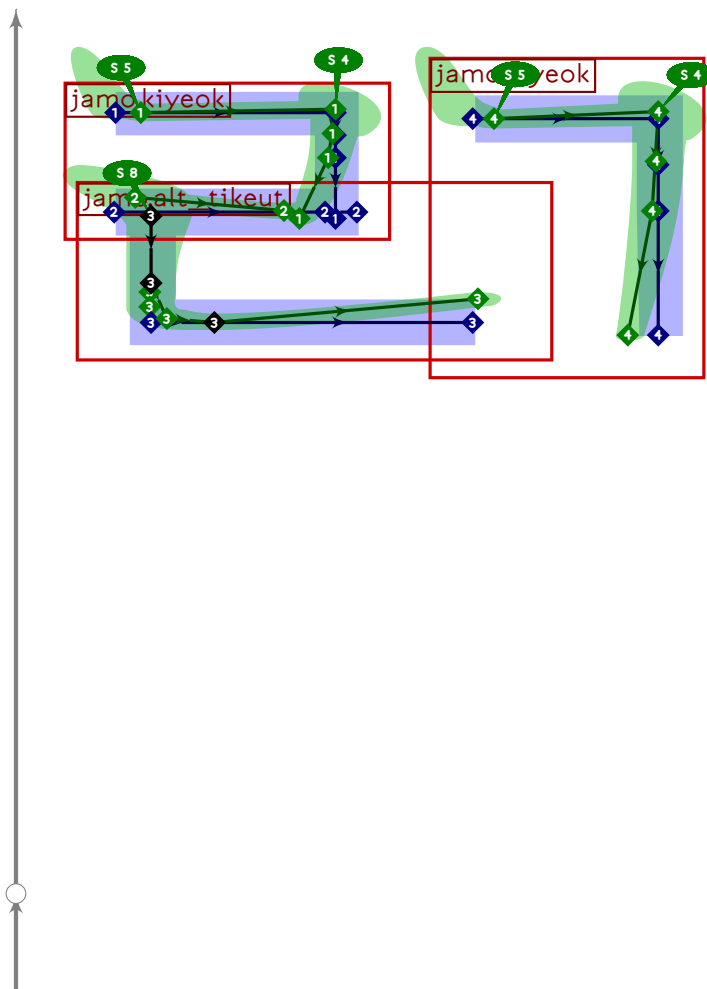
```

660 % hangul lead tikeut-cieuc
661 begintsuglyph("uniA963.bug",99);
662   hangul.combine.lr(203,112)(whatever,lixf,loxf);
663   tsu_render;
664 endtsuglyph;
665

```

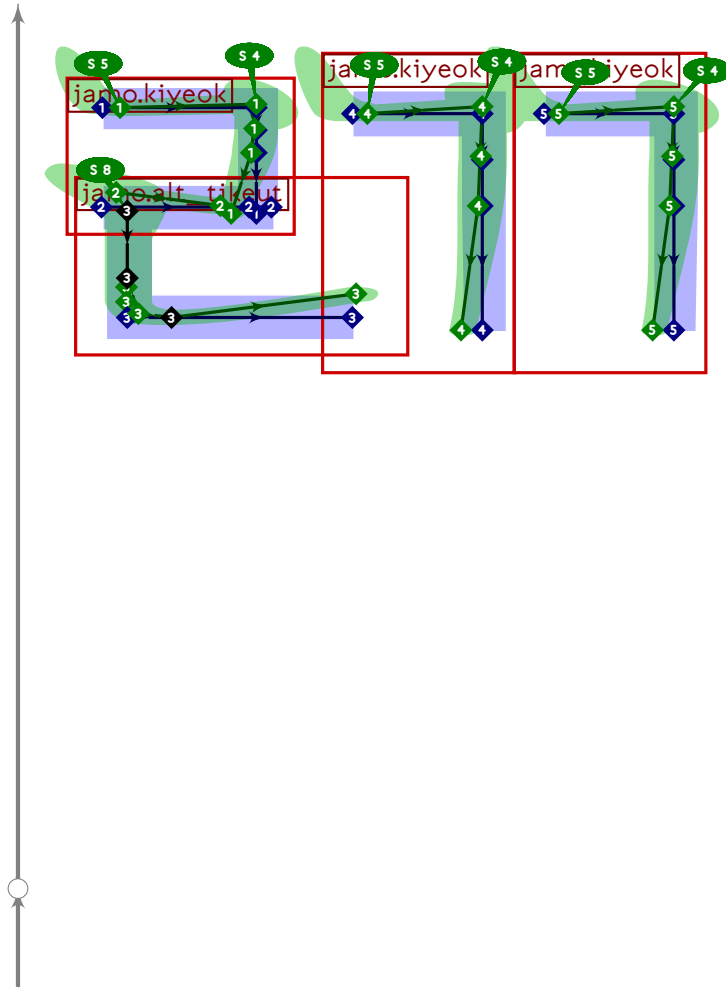
FF7

U+FF764
mande.uniA964.bug



FF7

```
666 % hangul lead rieul-kiyeok
667 begintsuglyph("uniA964.bug",100);
668 hangul.combine.lr(205,100)(whatever,lixf,loxf);
669 tsu_render;
670 endtsuglyph;
671
```

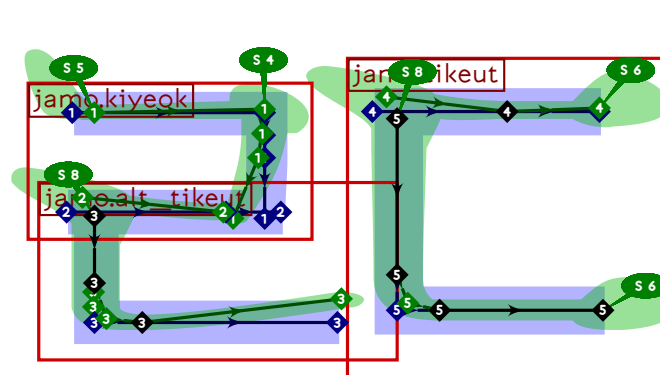


```

672 % hangul lead rieul-ssangkiyeok
673 begintsuglyph("uniA965.bug",101);
674 hangul.combine.lcr(205,100,100)(whatever,lixf,loxf);
675 tsu_render;
676 endtsuglyph;
677

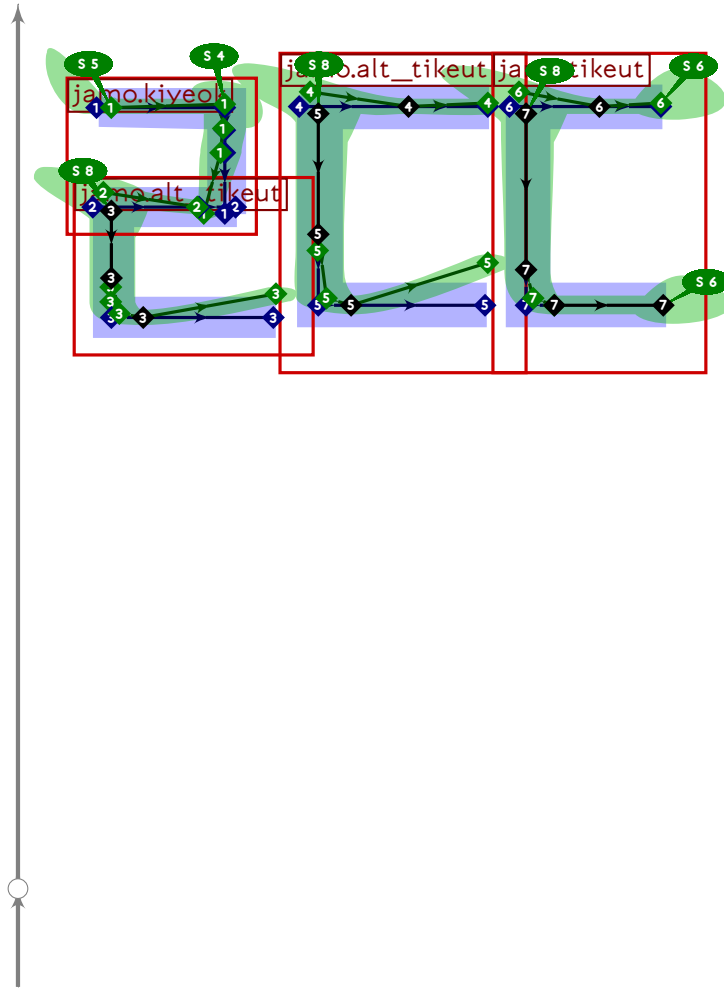
```

U+FF766
mande.uniA966.bug



FF7

```
678 % hangul lead rieul-tikeut
679 begintsuglyph("uniA966.bug",102);
680 hangul.combine.lr(205,103)(whatever,lixf,loxf);
681 tsu_render;
682 endtsuglyph;
683
```

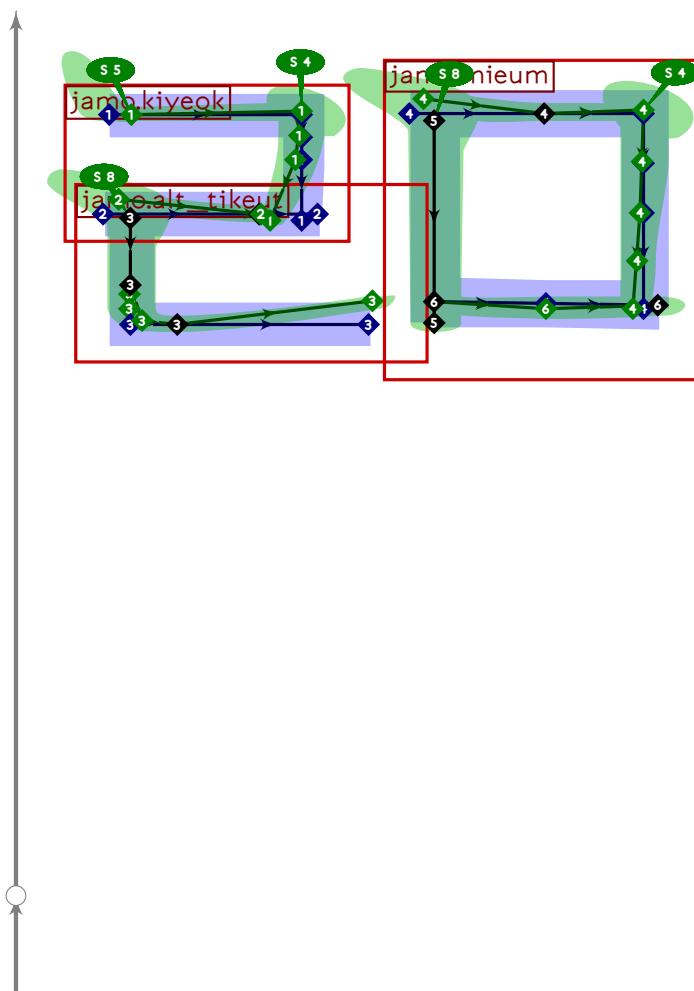



```

684 % hangul lead rieul-ssangtikeut
685 beginsuglyph("uniA967.bug",103);
686 hangul.combine.lcr(205,203,103)(whatever,lixf,loxf);
687 tsu_render;
688 endsuglyph;
689

```

U+FF768
mande.uniA968.bug

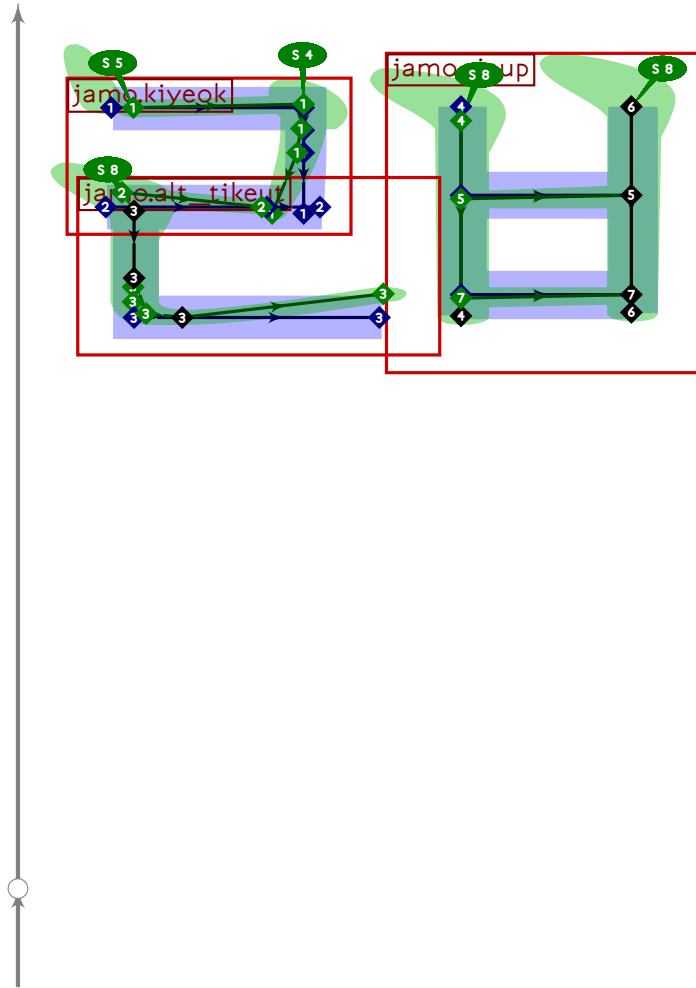


FF7

```

690 % hangul lead rieul-mieum
691 begint Suglyph("uniA968.bug";104);
692   hangul.combine.lr(205,106)(whatever,lixf,loxf);
693   tsu_render;
694 endts Suglyph;
695

```

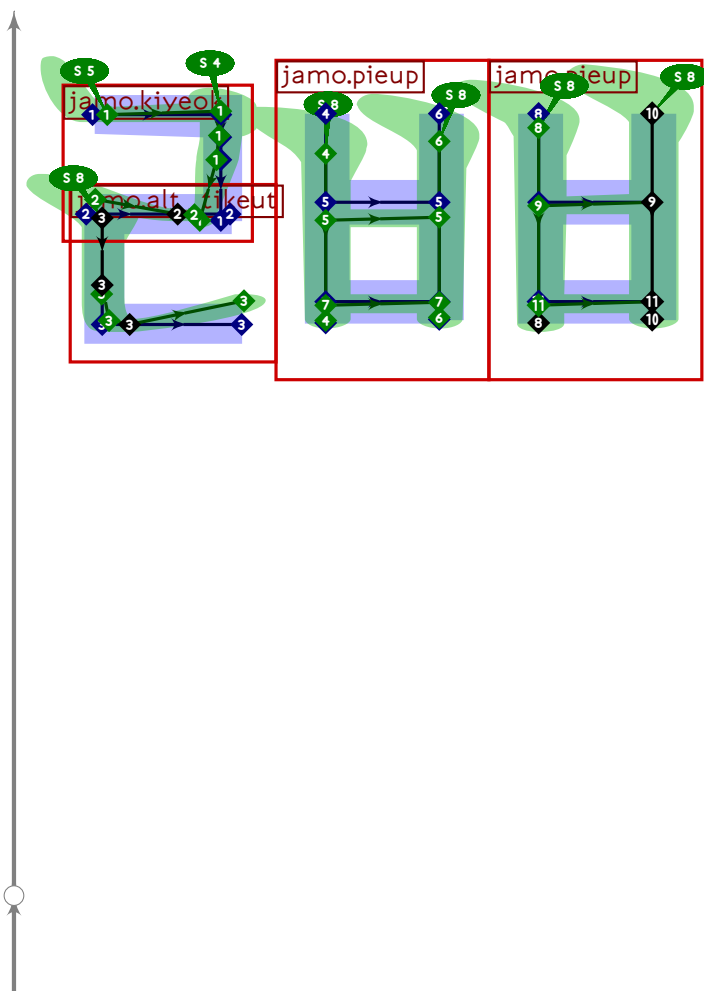


```

696 % hangul lead rieul-pieup
697 begintsuglyph("uniA969.bug",105);
698 hangul.combine.lr(205,107)(whatever,lixf,loxf);
699 tsu_render;
700 endsuglyph;
701

```

U+FF76A
mande.uniA96A.bug

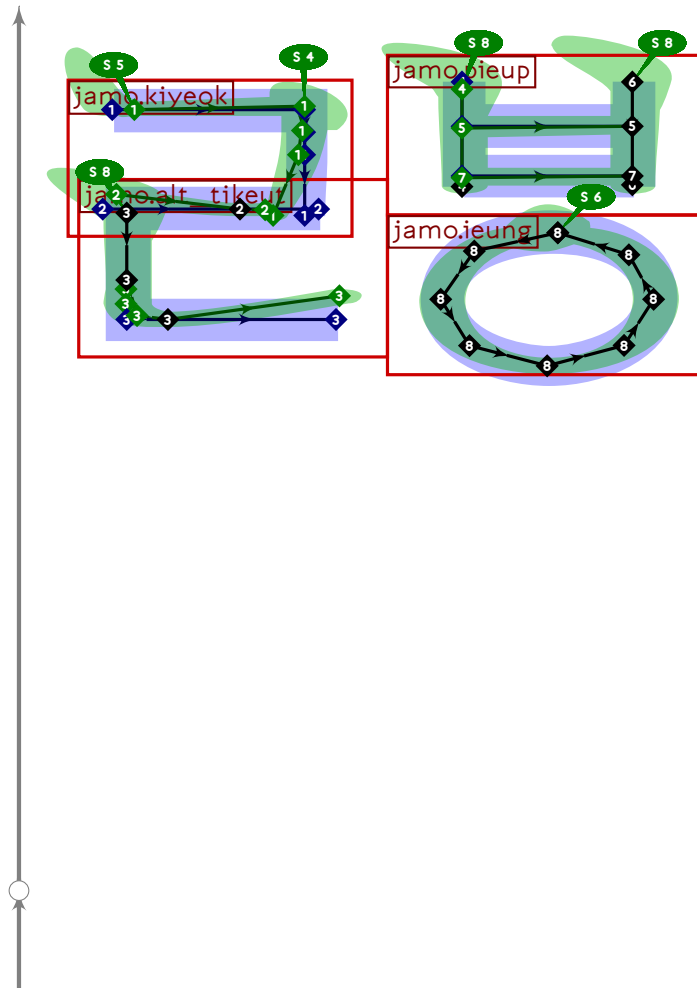


FF7

```

702 % hangul lead rieul-ssangpieup
703 begintsuglyph("uniA96A.bug",106);
704   hangul.combine.lcr(205,207,107)(whatever,lixf,loxf);
705   tsu_render;
706 endtsuglyph;
707

```

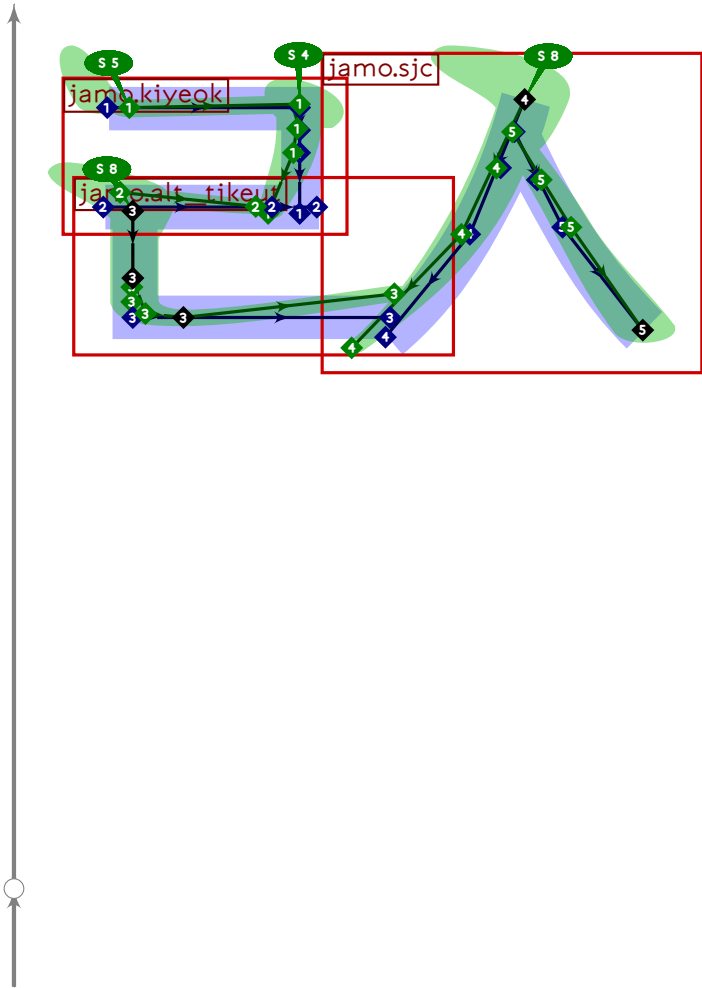


```

708 % hangul lead rieul-kapyeounpieup
709 begintsuglyph("uniA96B.bug";107);
710   hangul.combine.lr(205,231)(whatever,lixf,loxf);
711   tsu_render;
712 endtsuglyph;
713

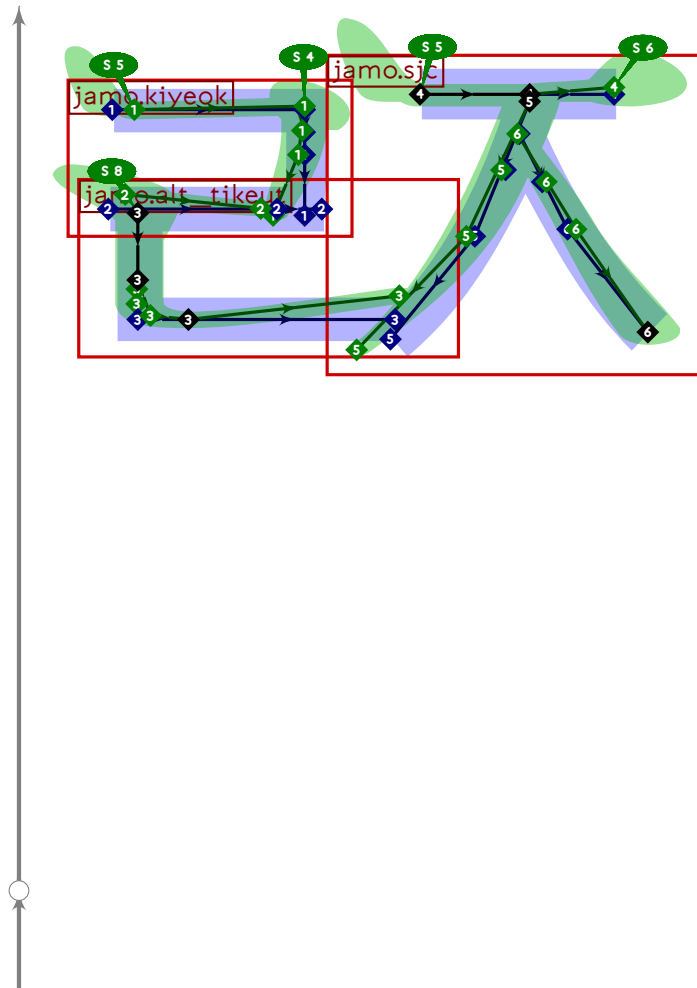
```

U+FF76C
mande.uniA96C.bug



FF7

```
714 % hangul lead rieul-sios
715 begintsuglyph("uniA96C.bug",108);
716 hangul.combine.lr(205,109)(whatever,lixf,loxf);
717 tsu_render;
718 endtsuglyph;
719
```

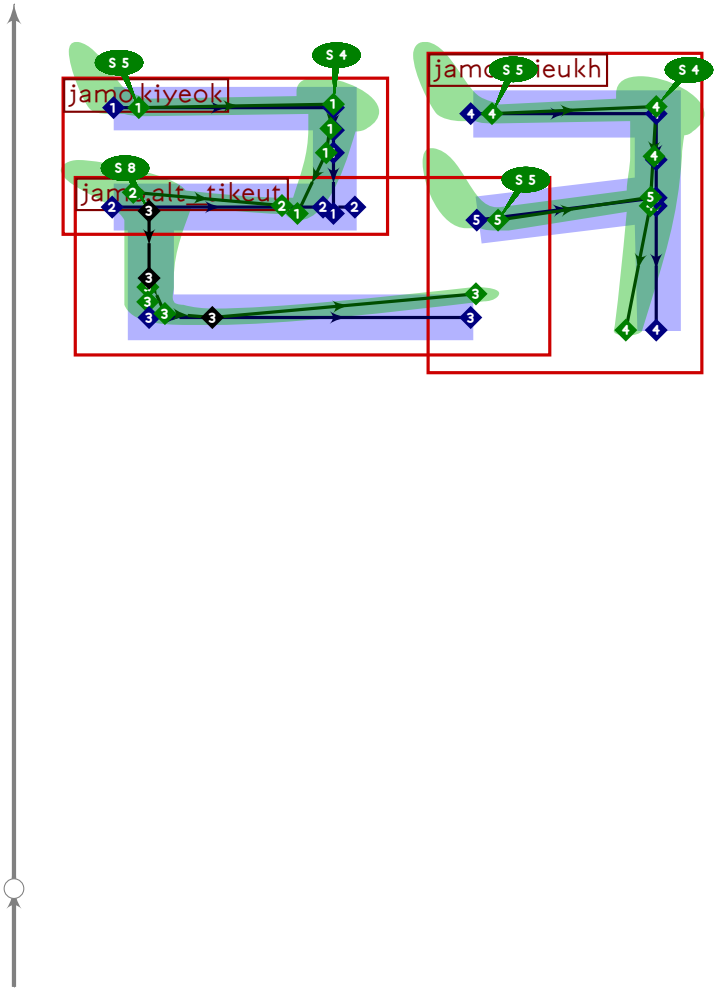


```

720 % hangul lead rieul-cieuc
721 begint Suglyph("uniA96D.bug",109);
722   hangul.combine.lr(205,112)(whatever,lixf,loxf);
723   tsu_render;
724 endtsuglyph;
725

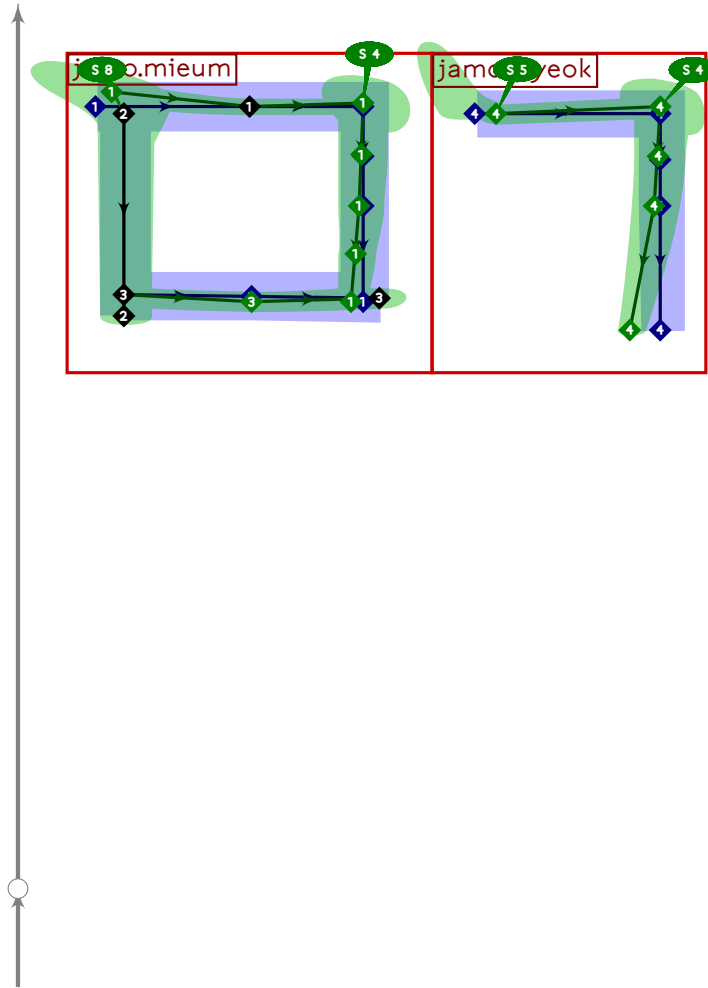
```

U+FF76E
mande.uniA96E.bug



FF7

```
726 % hangul lead rieul-khieukh
727 begint Suglyph("uniA96E.bug",110);
728 hangul.combine.lr(205,115)(whatever,lixf,loxf);
729 tsu_render;
730 endtsuglyph;
731
```

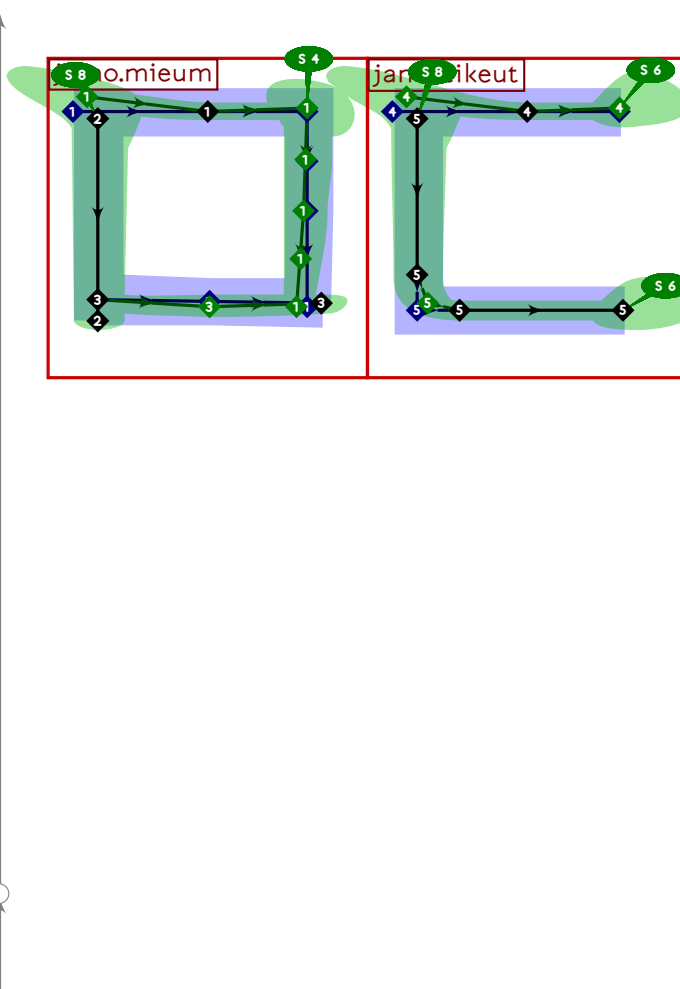



```

732 % hangul lead mieum-kiyeok
733 begintsuglyph("uniA96F.bug",111);
734 hangul.combine.lr(106,100)(whatever,lixf,loxf);
735 tsu_render;
736 endtsuglyph;
737

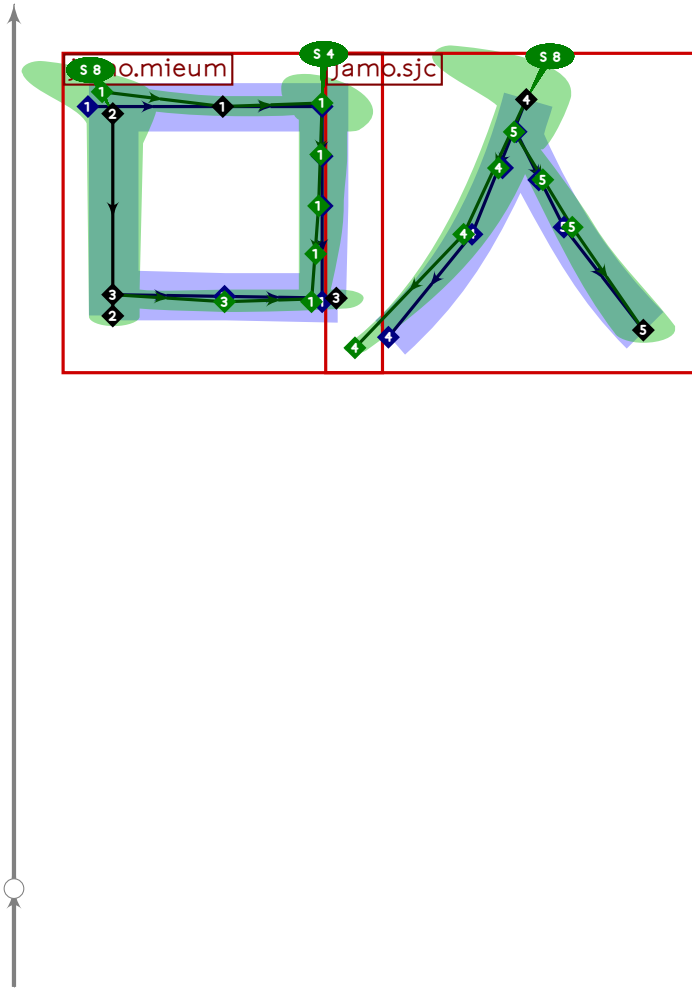
```

U+FF770
mande.uniA970.bug



FF7

```
738 % hangul lead mieum-tikeut
739 beginsuglyph("uniA970.bug",112);
740 hangul.combine.lr(106,103)(whatever,lixf,loxf);
741 tsu_render;
742 endsuglyph;
743
```

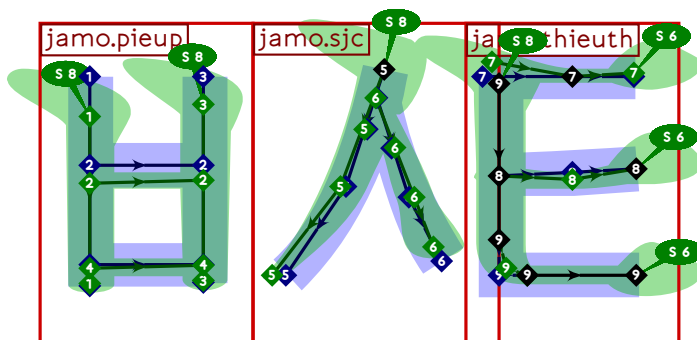


```

744 % hangul lead mieum-sios
745 begint Suglyph("uniA971.bug",113);
746   hangul.combine.lr(106,109)(whatever,lixf,loxf);
747   tsu_render;
748 endtsuglyph;
749

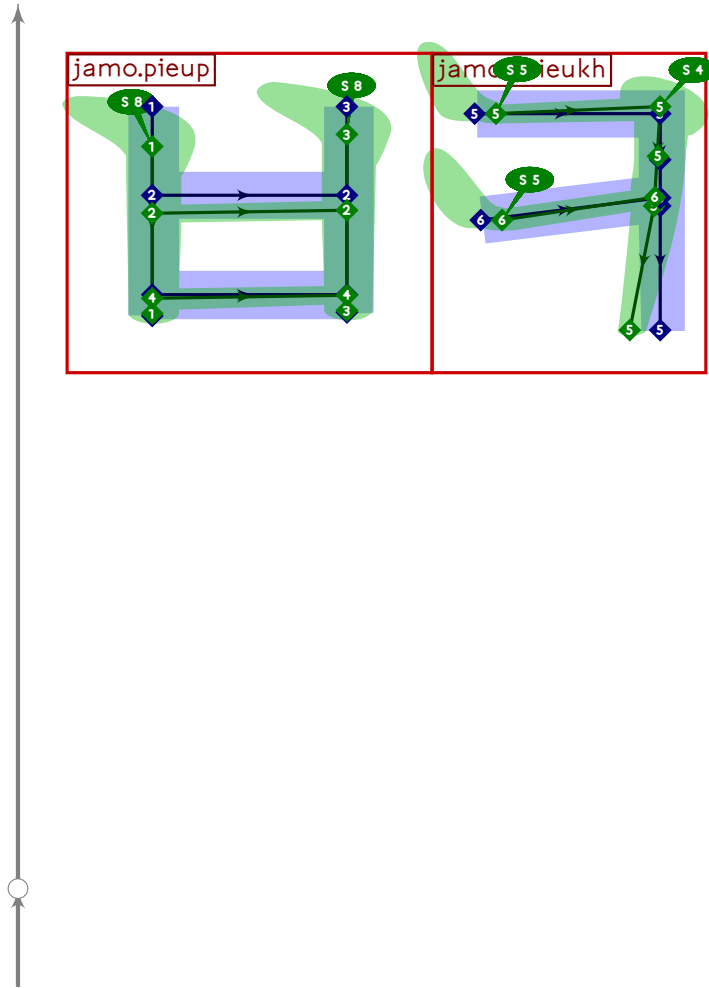
```

U+FF772
mande.uniA972.bug



FF7

```
750 % hangul lead pieup-sios-thieuth
751 begintsuglyph("uniA972.bug",114);
752 hangul.combine.lcr(207,209,116)(whatever,lixf,loxf);
753 tsu_render;
754 endsuglyph;
755
```

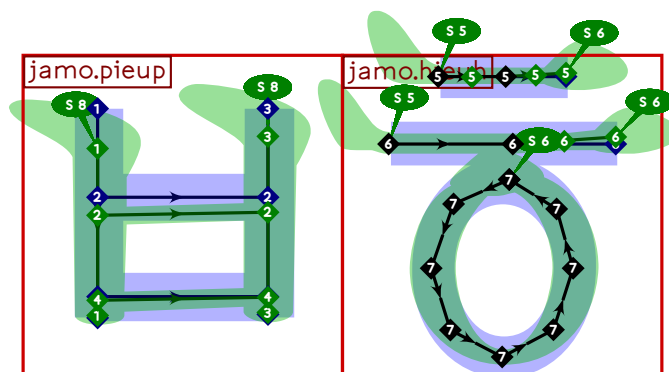


```

756 % hangul lead pieup-khieukh
757 begintsuglyph("uniA973.bug",115);
758   hangul.combine.lr(207,115)(whatever,lixf,loxf);
759   tsu_render;
760 endsuglyph;
761

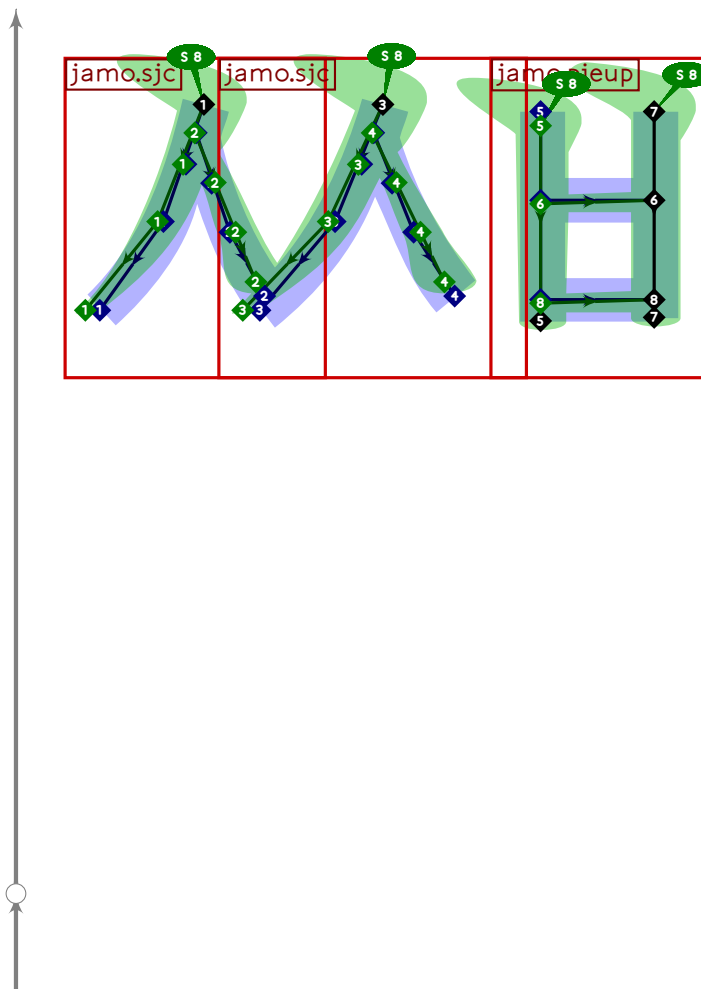
```

U+FF774
mande.uniA974.bug



FF7

```
762 % hangul lead pieup-hieuh
763 begintsuglyph("uniA974.bug",116);
764   hangul.combine.lr(207,118)(whatever,lixf,loxf);
765   tsu_render;
766 endtsuglyph;
767
```

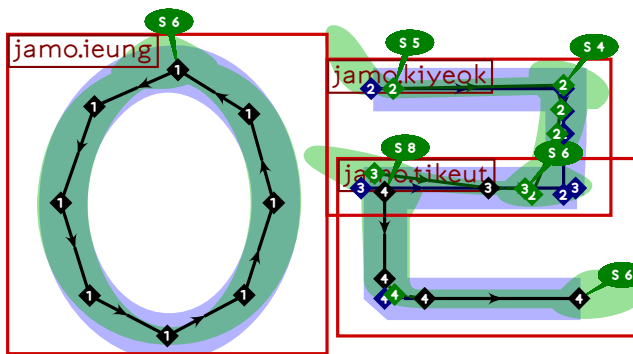


```

768 % hangul lead ssangsios-pieup
769 begint Suglyph("uniA975.bug",117);
770 hangul.combine.lcr(209,209,107)(whatever,lixf,loxf);
771 tsu_render;
772 endtsuglyph;
773

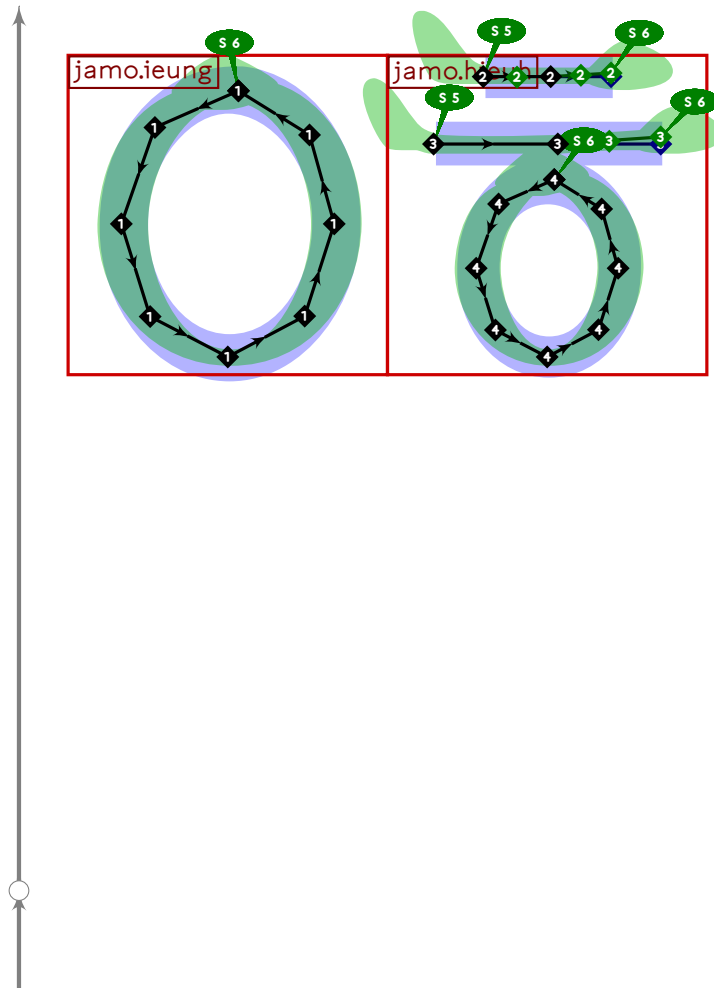
```

U+FF776
mande.uniA976.bug



FF7

```
774 % hangul lead ieung-rieul
775 begintsuglyph("uniA976.bug",118);
776   hangul.combine.lr(111,105)(whatever,lixf,loxf);
777   tsu_render;
778 endtsuglyph;
779
```

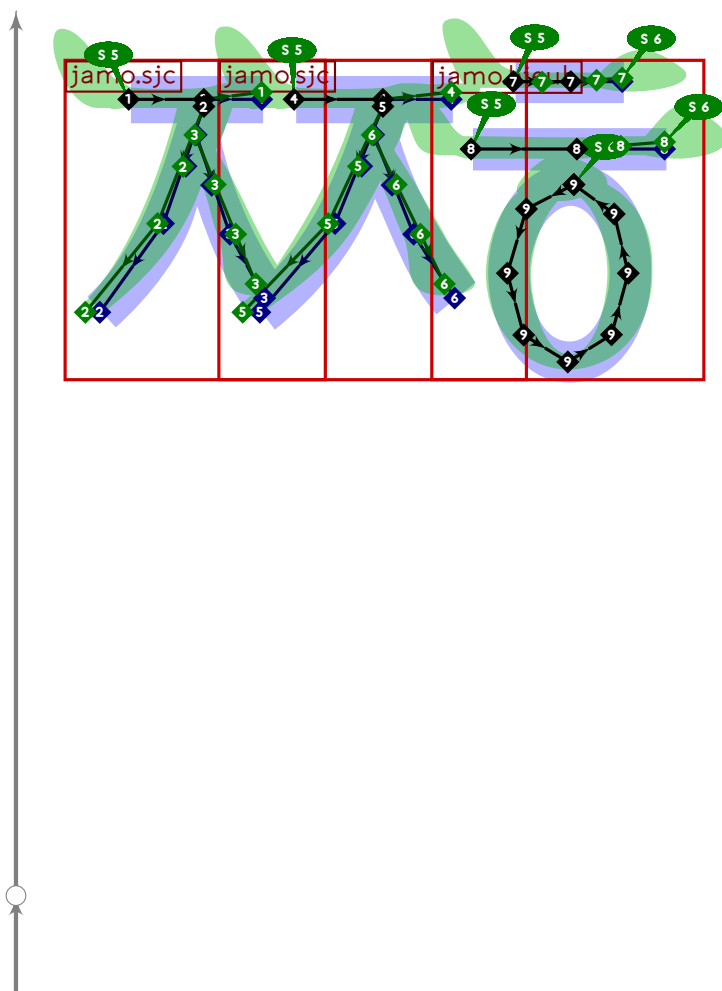



```

780 % hangul lead ieung-hieuh
781 begint Suglyph("uniA977.bug",119);
782   hangul.combine.lr(111,118)(whatever,lixf,loxf);
783   tsu_render;
784 endtsuglyph;
785

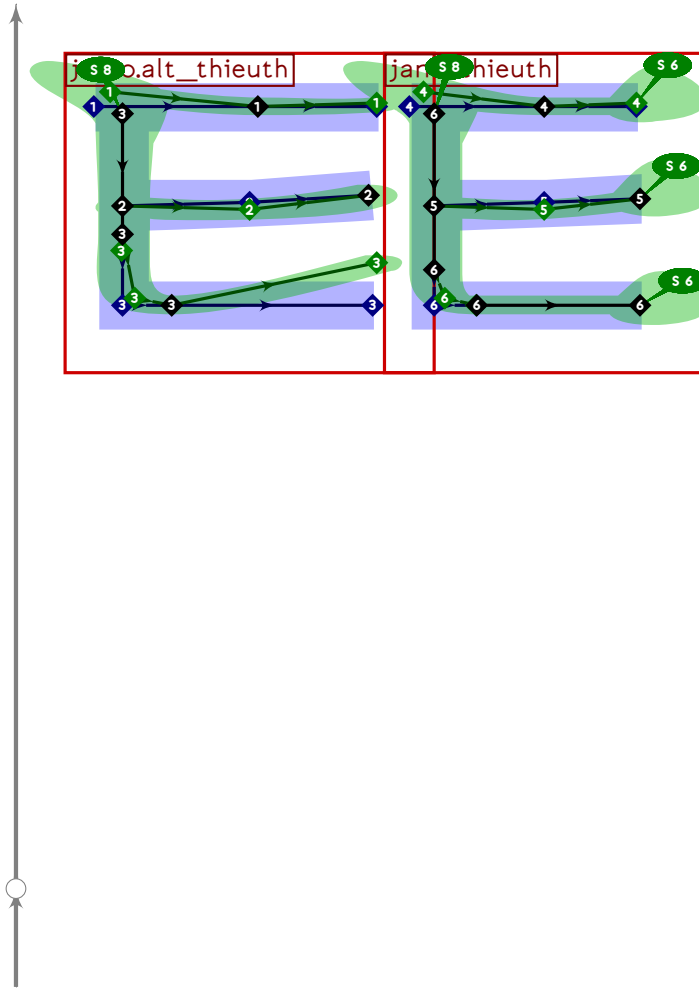
```

U+FF778
mande.uniA978.bug



FF7

```
786 % hangul lead ssangcieuc-hieuh
787 begintsuglyph("uniA978.bug",120);
788 hangul.combine.lcr(212,212,118)(whatever,lixf,loxf);
789 tsu_render;
790 endtsuglyph;
791
```

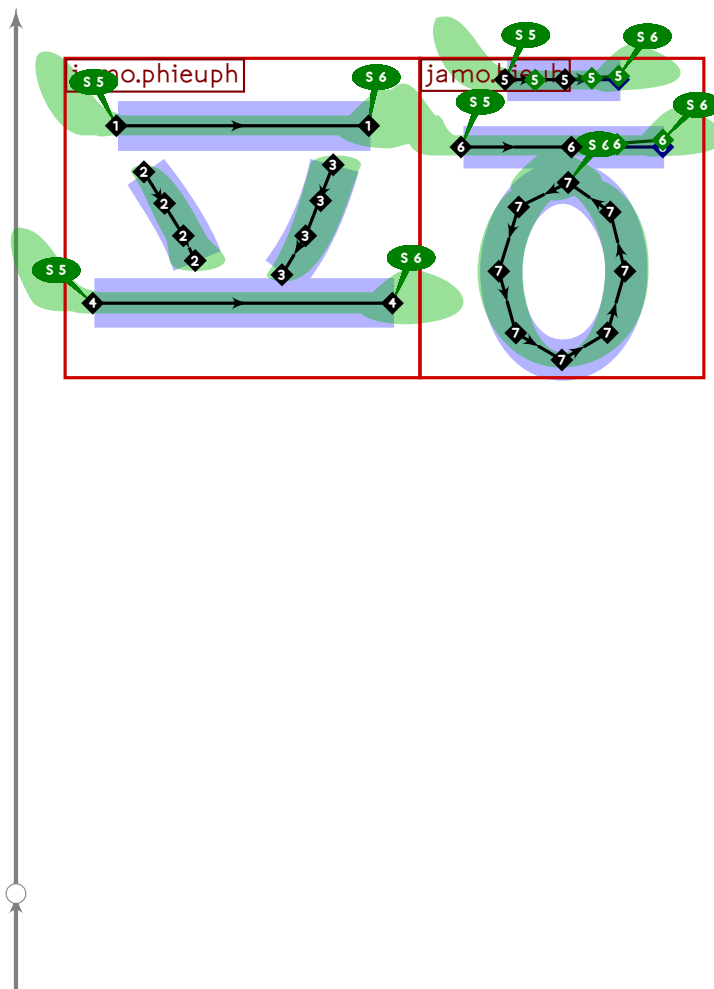


```

792 % hangul lead ssanghieuth
793 begintsuglyph("uniA979.bug",121);
794   hangul.combine.lr(216,116)(whatever,lixf,loxf);
795   tsu_render;
796 endtsuglyph;
797

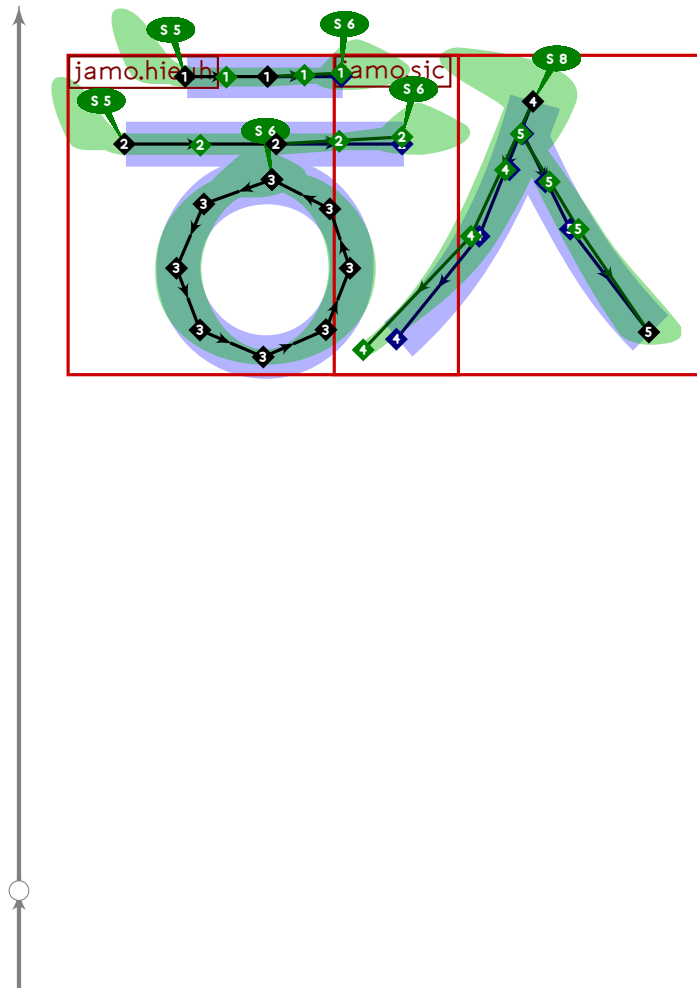
```

U+FF77A
mande.uniA97A.bug



FF7

```
798 % hangul lead phieuph-hieuh
799 begintsuglyph("uniA97A.bug",122);
800 hangul.combine.lcr(117,230,118)(whatever,lixf,loxf);
801 tsu_render;
802 endtsuglyph;
803
```

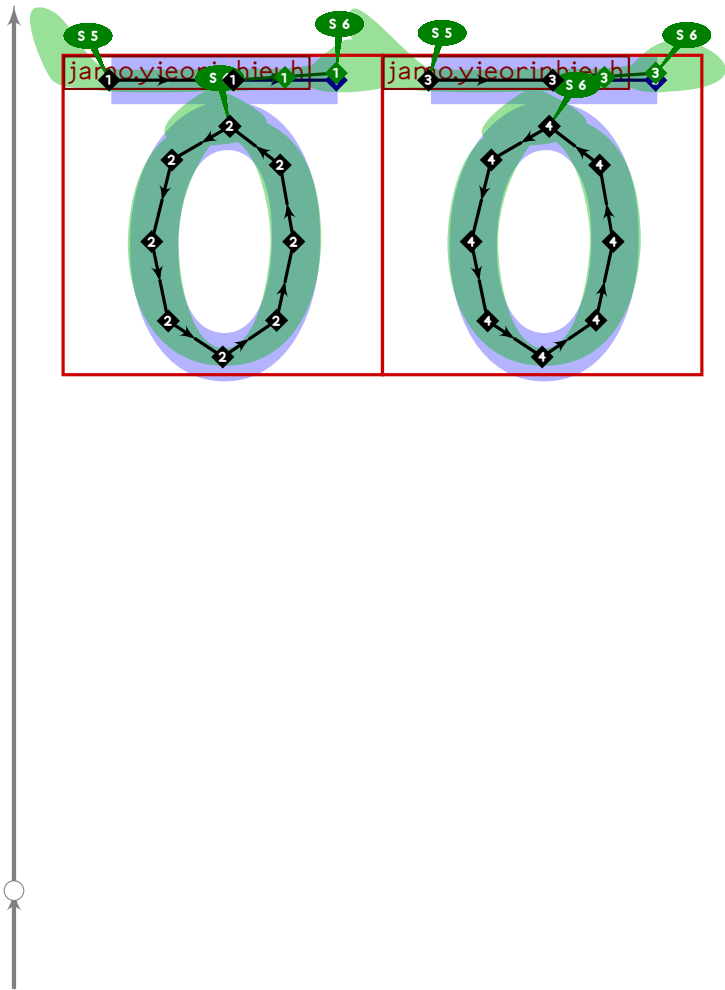


```

804 % hangul lead hieuh-sios
805 begint Suglyph("uniA97B.bug",123);
806   hangul.combine.lr(118,109)(whatever,lixf,loxf);
807   tsu_render;
808 endtsuglyph;
809

```

U+FF77C
mande.uniA97C.bug



FF7

```
810 % hangul lead ssangyeorinhieuh
811 begintsuglyph("uniA97C.bug";124);
812   hangul.combine.lcr(221,230,221)(whatever,lixf,loxf);
813   tsu_render;
814 endsuglyph;
815
816 _____
817
818 endfont;
819
820 _____
```