

作りましょう 0.10

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 0.10

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 VII

U+4E00 to U+5BFF

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4E

tsuku-4f.mp

4F

tsuku-50.mp

50

tsuku-51.mp

51

tsuku-52.mp

52

tsuku-53.mp

53

tsuku-54.mp

54

tsuku-55.mp

55

tsuku-56.mp

56

tsuku-57.mp

57

tsuku-58.mp

58

tsuku-59.mp

59

tsuku-5a.mp

5A

tsuku-5b.mp

5B

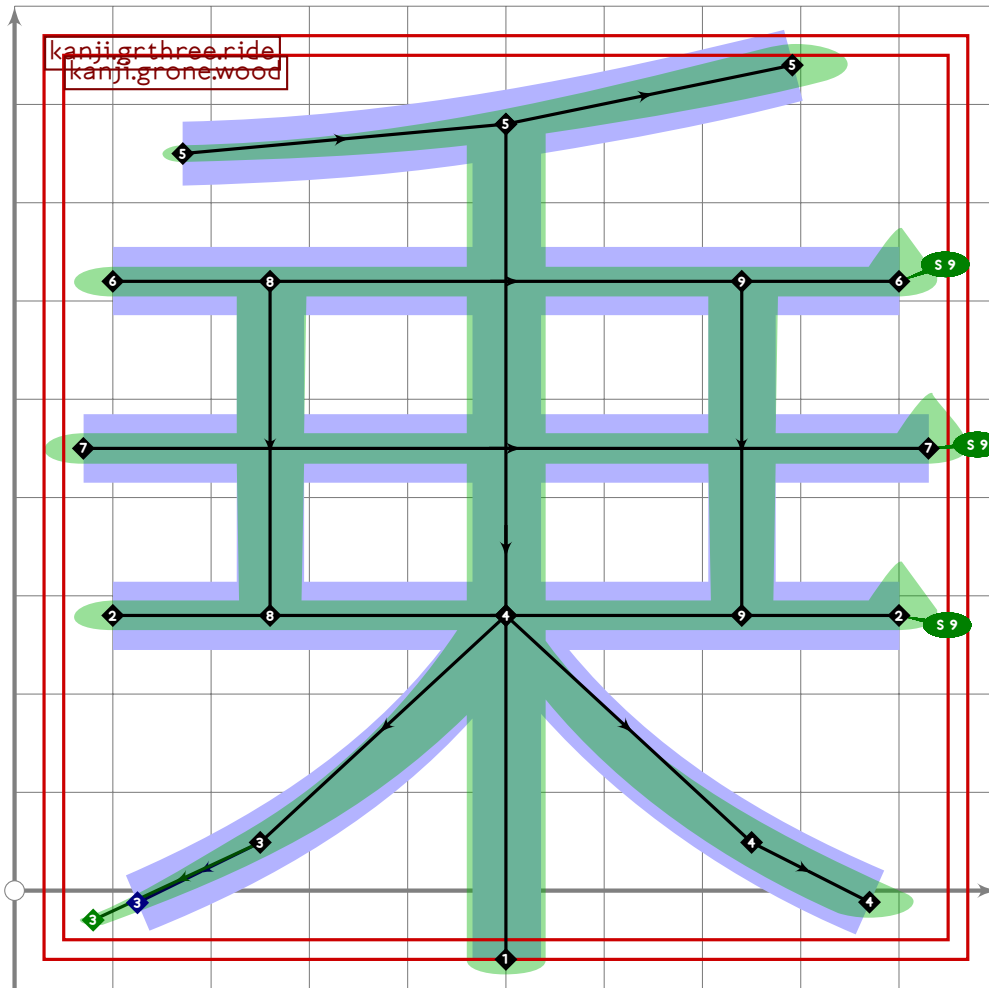

```
1 %
2 % Unicode page 4E (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49
50 do_late_includes;
51
52 

---


```

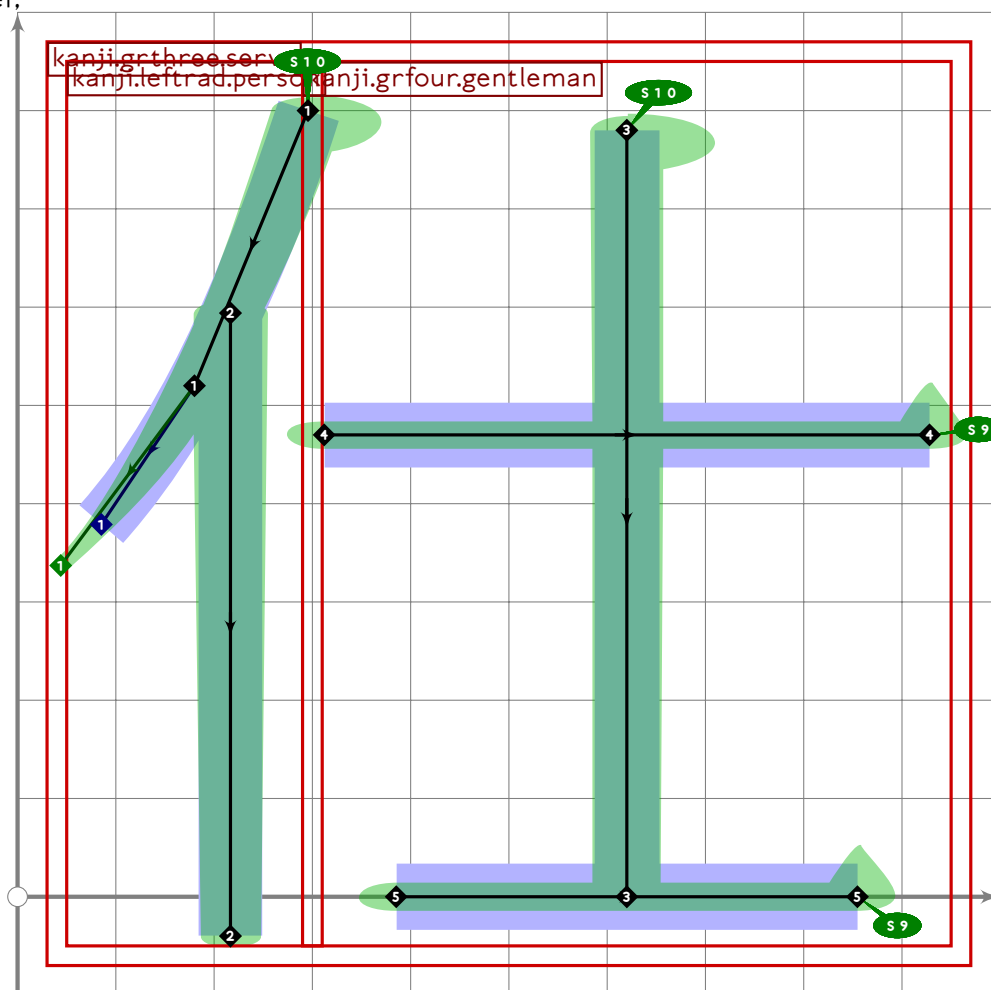


```

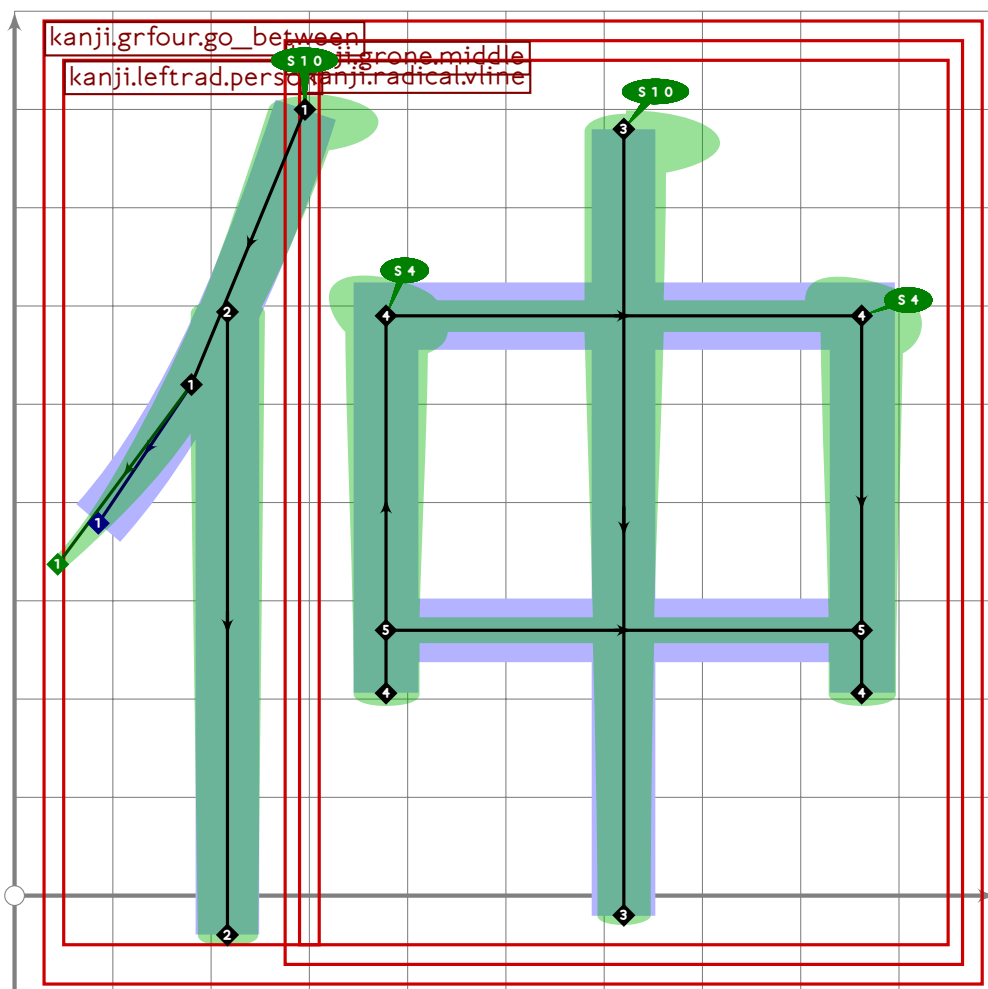
53
54 vardef kanji.grthree.ride =
55   push_pbox_toexpand("kanji.grthree.ride");
56   build_kanji.add_beret(kanji.grone.wood);
57   begingroup
58     save myxf;
59     transform myxf;
60     (80,70) transformed myxf=(80,30);
61     (920,70) transformed myxf=(920,30);
62     (80,580) transformed myxf=(80,280);
63     replace_stroke(-4)((point 0 of oldp)-(500,-70));
64     replace_stroke(-2)(oldp transformed myxf);
65     replace_stroke(-1)(oldp transformed myxf);
66     push_stroke(get_stroke(-3) shifted (0,620-580),get_stroke(-3));
67     set_boserif(0,1,9);
68     replace_stroke(-4)(oldp shifted (0,280-580));
69     push_stroke((70,450)-(930,450),(1,6,1,6)-(1,6,1,6));
70     set_boserif(0,1,9);
71     push_stroke((260,620)-(260,280),(1,5,1,5)-(1,4,1,4));
72     push_stroke((740,620)-(740,280),(1,5,1,5)-(1,4,1,4));
73   endgroup;

```

```
74 expand_pbox;
75 enddef;
```



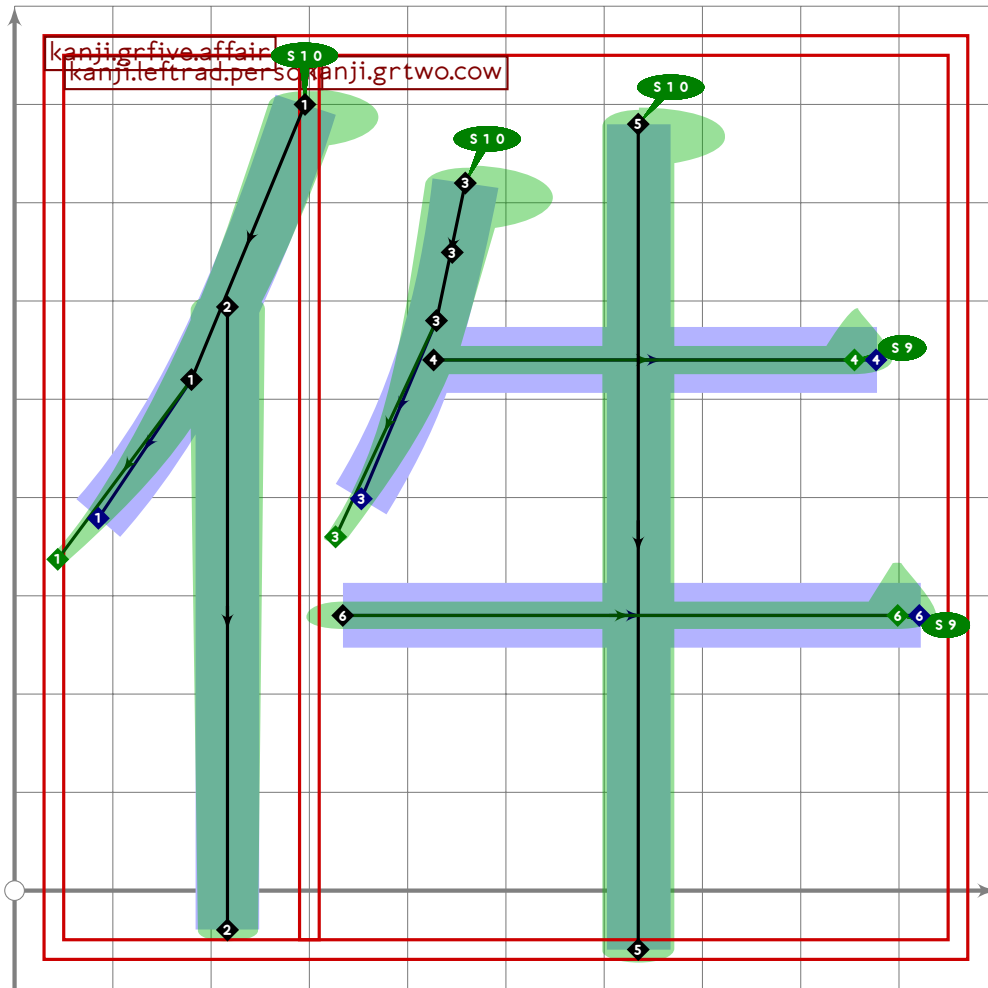
```
76
77 vardef kanji.grthree.serve =
78   push_pbox_toexpand("kanji.grthree.serve");
79   build_kanji.lr(300,20)
80     (kanji.leftrad.person)
81     (kanji.grfour.gentleman);
82   expand_pbox;
83 enddef;
84
85
```

```

86
87 vardef kanji.grfour.go_between =
88   push_pbox_toexpand("kanji.grfour.go_between");
89   build_kanji.lr(300,20)
90     (kanji.leftrad.person)
91     (kanji.grone.middle);
92   expand_pbox;
93 enddef;
94
95

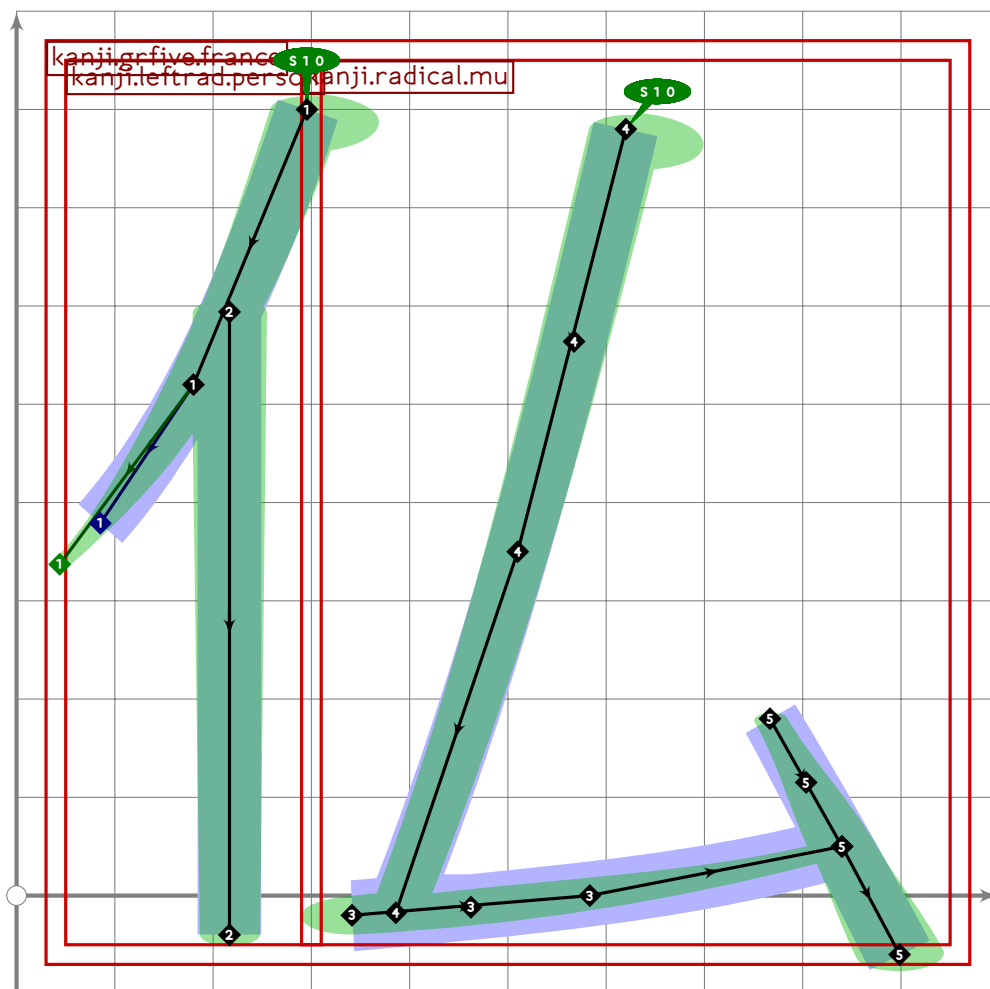
```



```

96
97 vardef kanji.grfive.affair =
98   push_pbox_toexpand("kanji.grfive.affair");
99   build_kanji.lr(300,20)
100   (kanji.leftrad.person)
101   (kanji.grtwo.cow);
102   expand_pbox;
103 enddef;

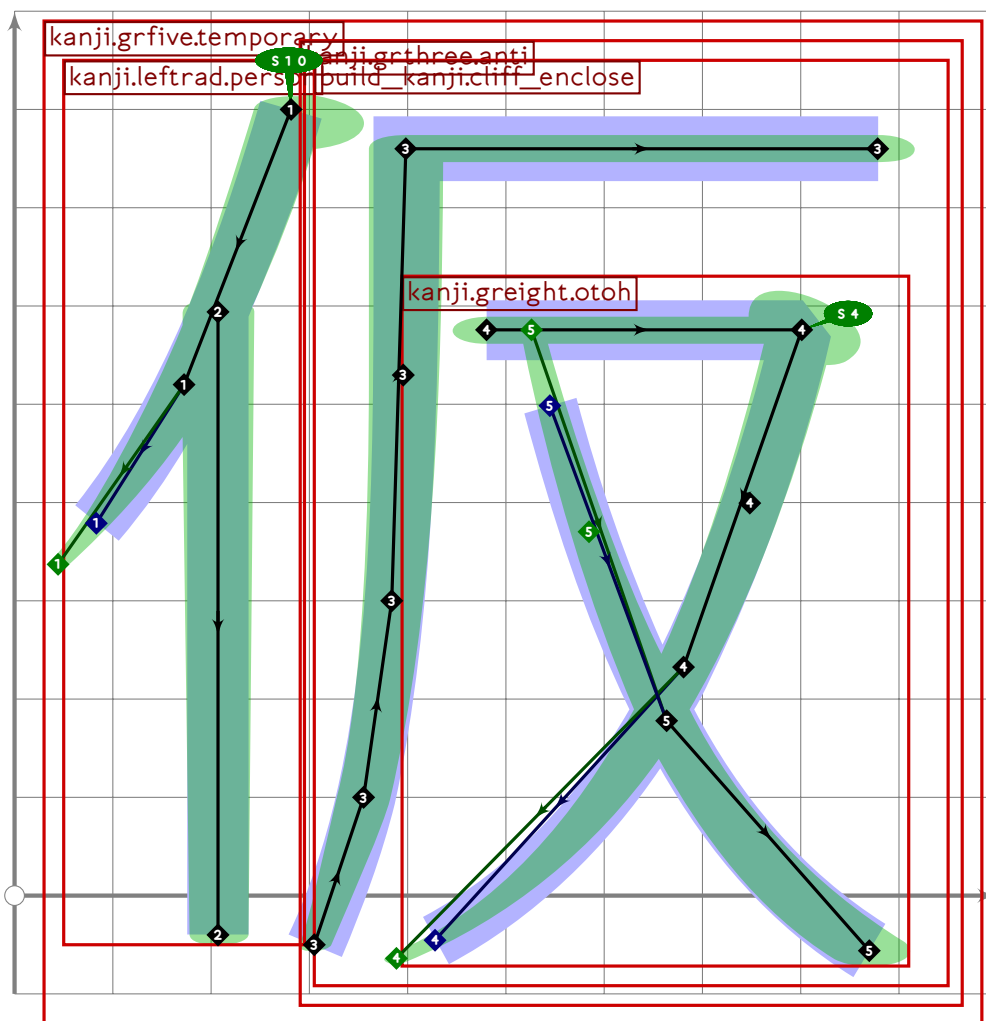
```



```

104
105 vardef kanji.grfive.france =
106   push_pbox_toexpand("kanji.grfive.france");
107   build_kanji.lr(300,20)
108     (kanji.leftrad.person)
109     (kanji.radical.mu);
110   expand_pbox;
111 enddef;

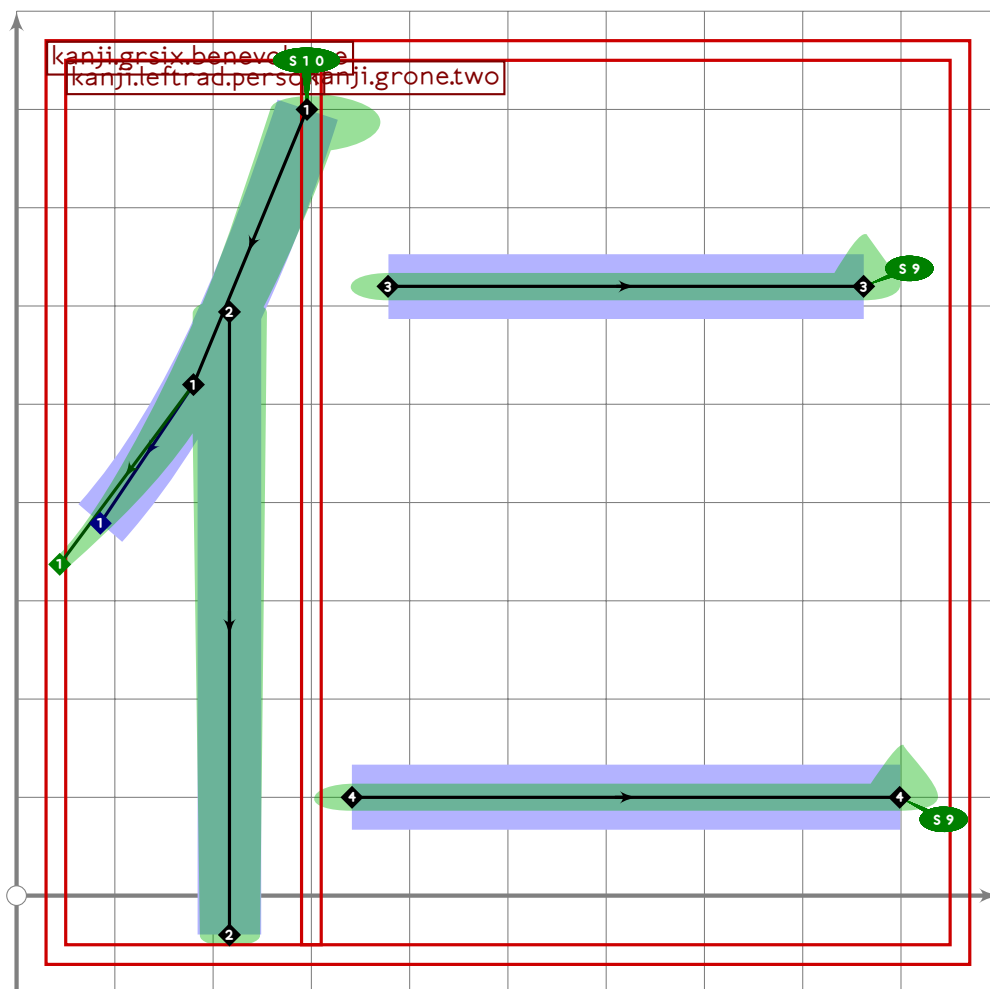
```



```

112
113 vardef kanji.grfive.temporary =
114   push_pbox_toexpand("kanji.grfive.temporary");
115   build_kanji.lr(300,10)
116   (kanji.leftrad.person)
117   (kanji.grthree.anti);
118   expand_pbox;
119 enddef;
120
121

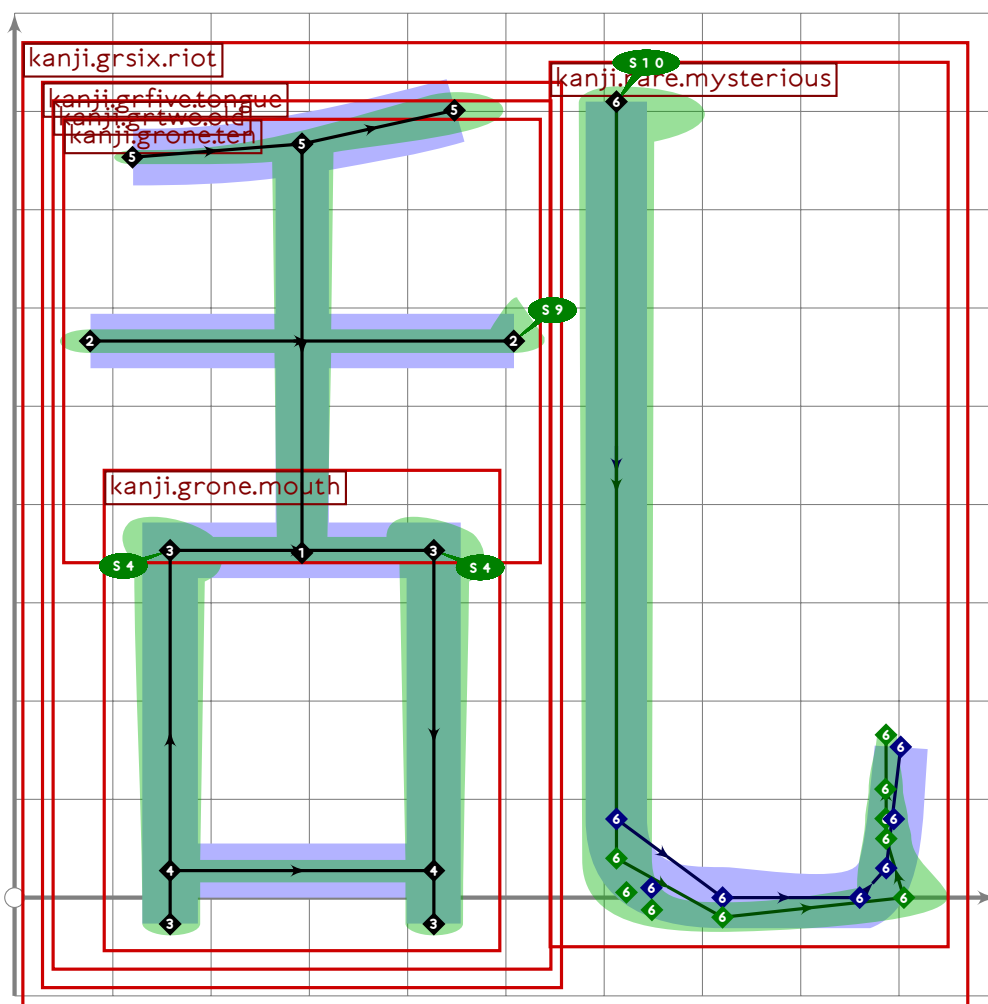
```



```

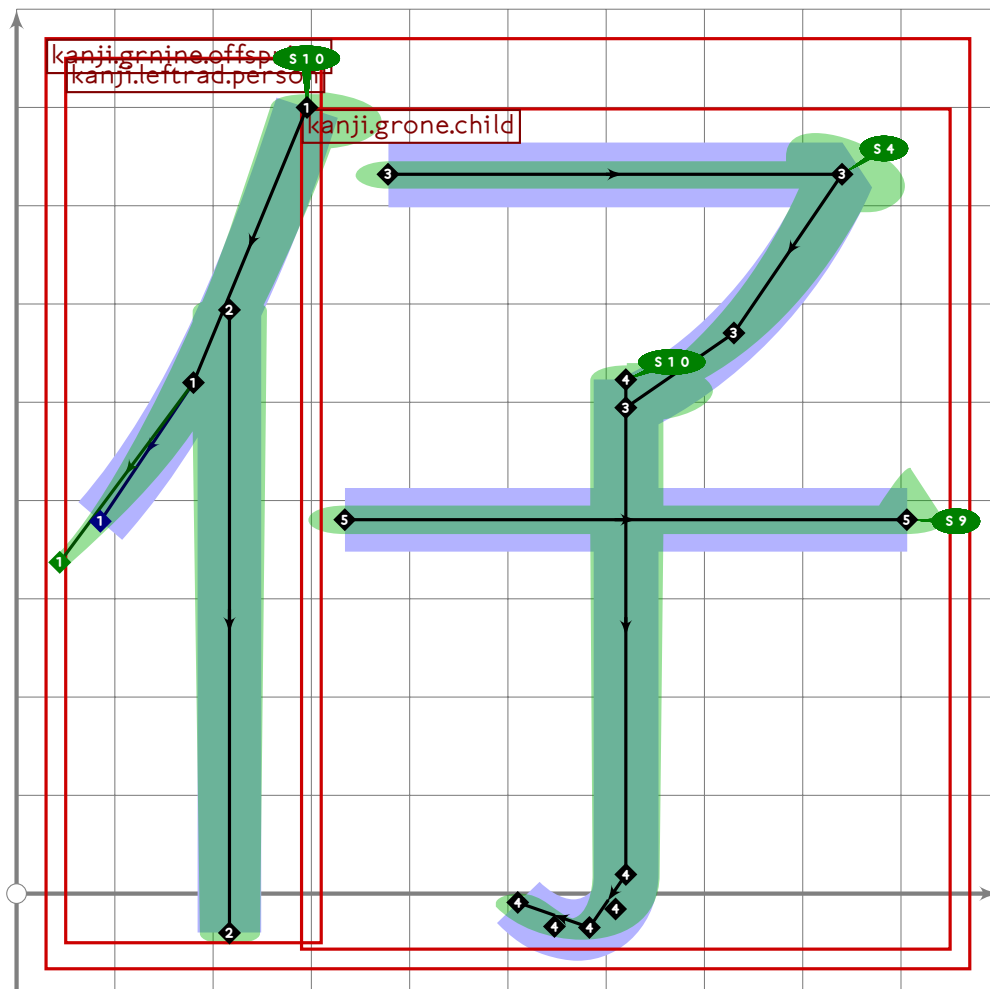
122
123 vardef kanji.grsix.benevolence =
124   push_pbox_toexpand("kanji.grsix.benevolence");
125   build_kanji.lr(300,20)
126     (kanji.leftrad.person)
127     (kanji.grone.two);
128   expand_pbox;
129 enddef;

```



```

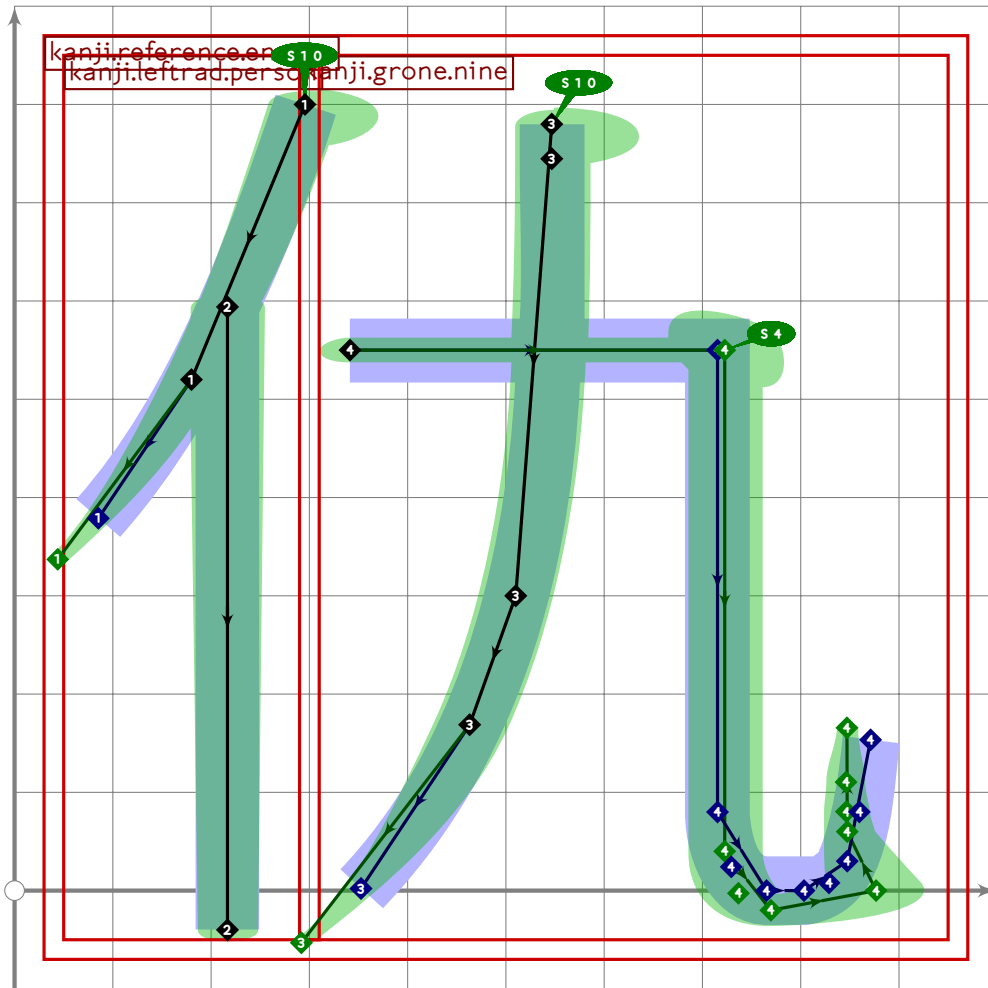
130
131 vardef kanji.grsix.riot =
132   push_pbox_toexpand("kanji.grsix.riot");
133   build_kanji.lr(540,10)
134     (tsu_xform(identity yscaled 0.94 shifted (0,-7))(kanji.grfive.tongue))
135     (kanji.rare.mysterious);
136   expand_pbox;
137 enddef;
138
139
```



```

140
141 vardef kanji.grnine.offspring =
142   push_pbox_toexpand("kanji.grnine.offspring");
143   build_kanji.level(build_kanji.lr(300,20)
144     (kanji.leftrad.person)
145     (build_kanji.sscale(shifted (0,30) yscaled 0.95)
146       (kanji.grone.child)));
147   expand_pbox;
148 enddef;
149
150

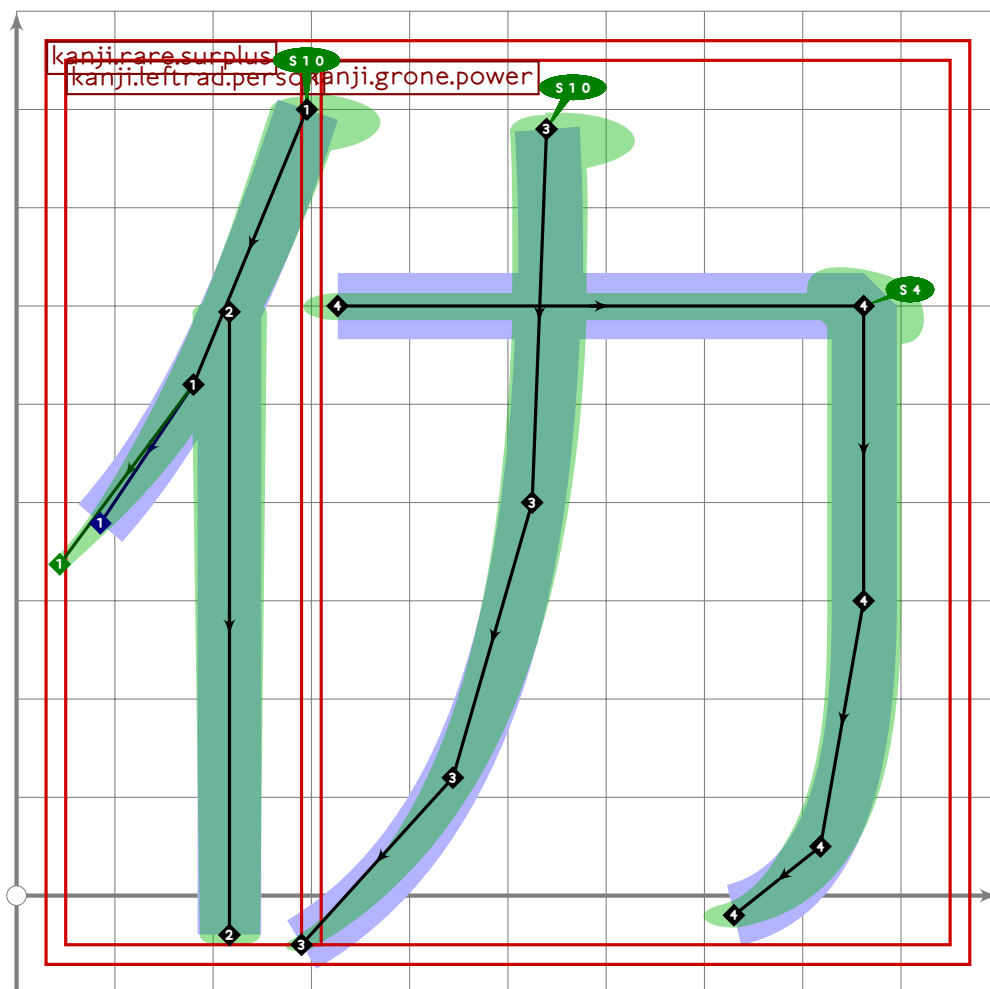
```



```

151
152 vardef kanji.reference.enemy =
153   push_pbox_toexpand("kanji.reference.enemy");
154   build_kanji.lr(300,20)
155     (kanji.leftrad.person)
156     (kanji.grone.nine);
157   expand_pbox;
158 enddef;
159
160

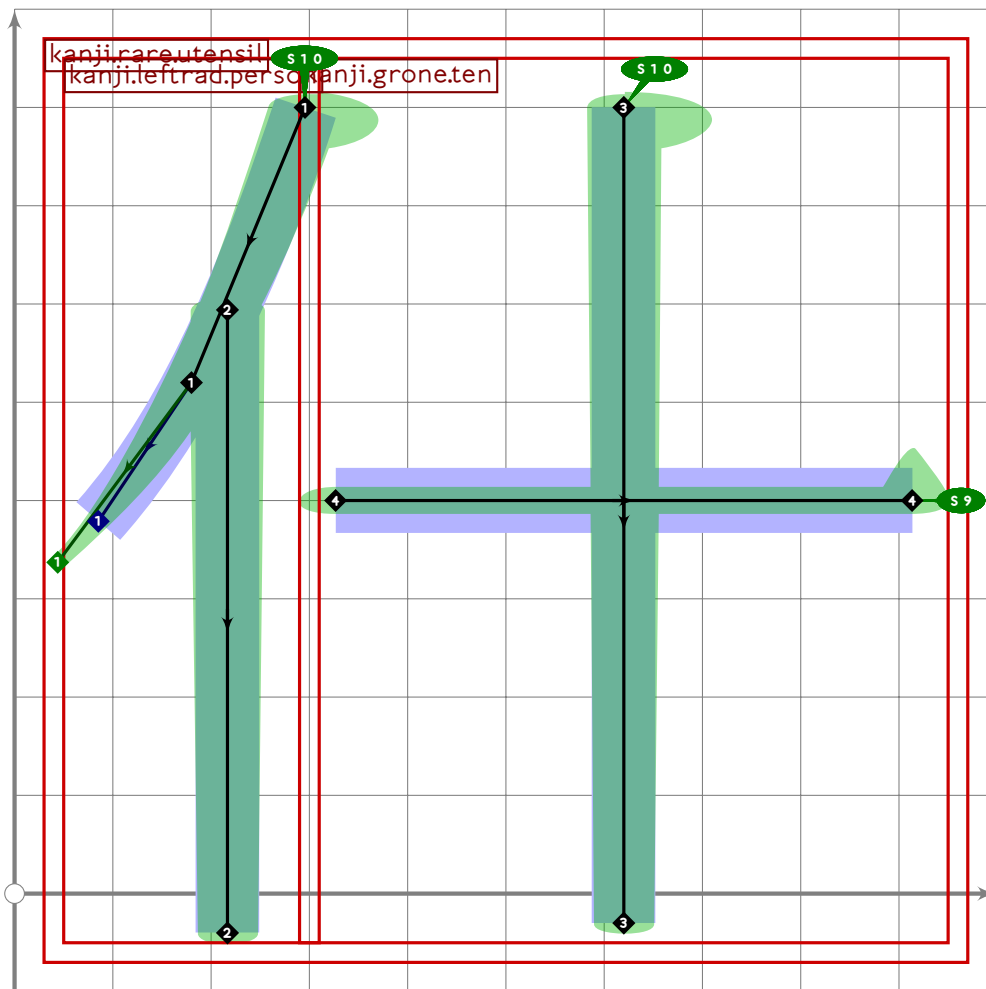
```

```

161
162 vardef kanji.rare.surplus =
163   push_pbox_toexpand("kanji.rare.surplus");
164   build_kanji.lr(300,20)
165     (kanji.leftrad.person)
166     (kanji.grone.power);
167   expand_pbox;
168 enddef;

```



```

169
170 vardef kanji.rare.utensil =
171   push_pbox_toexpand("kanji.rare.utensil");
172   build_kanji.lr(300,20)
173     (kanji.leftrad.person)
174     (kanji.grone.ten);
175   expand_pbox;
176 enddef;
177
178
179
180 % ichi/hito "one"
181 begintsuglyph("uni4E00";0);
182 kanji.grone.one;
183 tsu_render;
184 endtsuglyph;
185
186 % chuu/hinoto: "street"; "counter for leaves or guns"; "fourth zodiac sign"
187 % Uwaa ! Skala-sensei, I don't *want* to stick a thumbtack in my wrist!
188 begintsuglyph("uni4E01";1);
189 kanji.grthree.thumbtack;

```

[see page 460]

[see page 663]

```

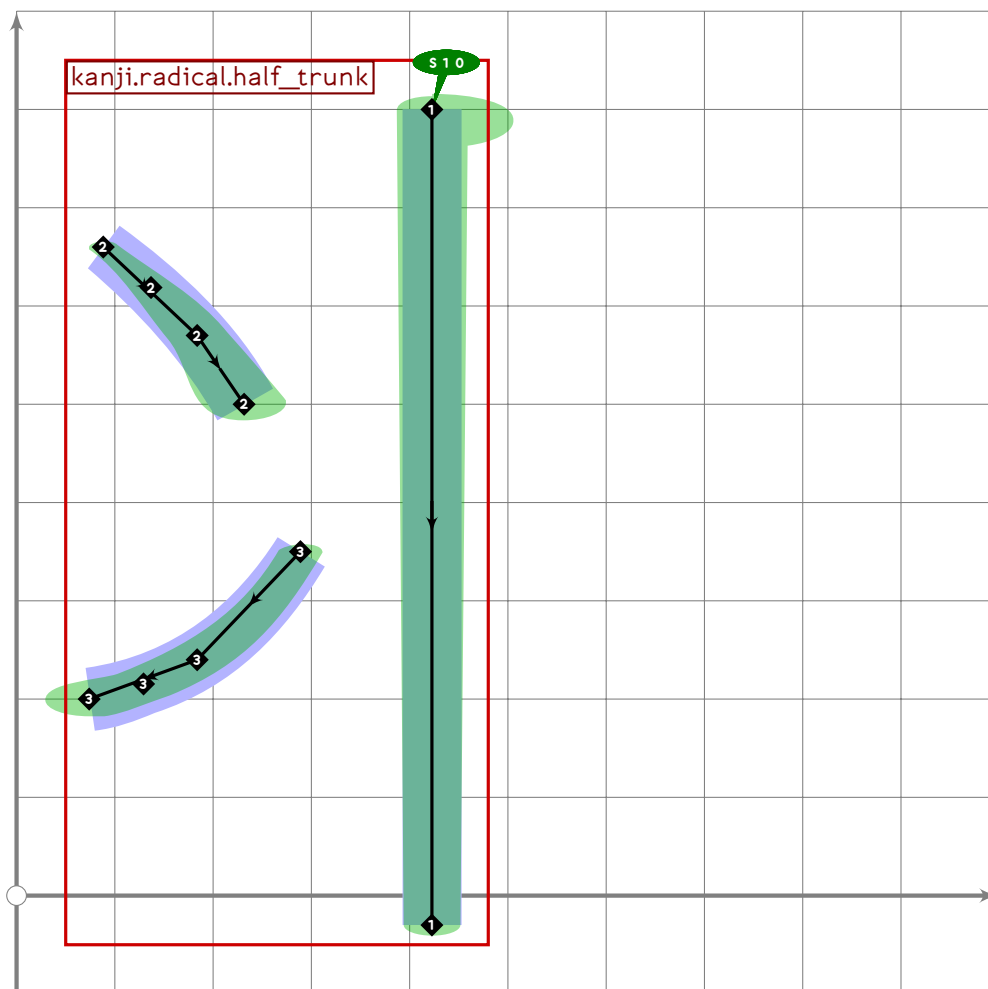
190  tsu_render;
191  endtsuglyph;
192
193  % kou/samata "obstruction of breath"
194  begintsuglyph("uni4E02";2); [see page 1033]
195  kanji.rare.obstruction;
196  tsu_render;
197  endtsuglyph;
198
199  % nana/shichi "seven"
200  begintsuglyph("uni4E03";3); [see page 472]
201  kanji.grone.seven;
202  tsu_render;
203  endtsuglyph;
204
205  % man/yorozu "myriad"
206  begintsuglyph("uni4E07";7); [see page 547]
207  kanji.grtwo.myriad;
208  tsu_render;
209  endtsuglyph;
210
211  % san/mi "three"
212  begintsuglyph("uni4E09";9); [see page 481]
213  kanji.grone.three;
214  tsu_render;
215  endtsuglyph;
216
217  % ue/jyou "up"
218  begintsuglyph("uni4E0A";10); [see page 483]
219  kanji.grone.up;
220  tsu_render;
221  endtsuglyph;
222
223  % shita/ka "down"
224  begintsuglyph("uni4E0B";11); [see page 431]
225  kanji.grone.down;
226  tsu_render;
227  endtsuglyph;
228
229  % fu "non-"
230  begintsuglyph("uni4E0D";13); [see page 714]
231  kanji.grfour.non;
232  tsu_render;
233  endtsuglyph;
234
235  % yo/ata "give"
236  begintsuglyph("uni4E0E";14); [see page 900]
237  kanji.greight.give;

```

```

238   tsu_render;
239 endtsuglyph;
240
241 % sho/ka "furthermore"
242 begintsuglyph("uni4E14";20); [see page 899]
243   kanji.greight.furthermore;
244   tsu_render;
245 endtsuglyph;
246
247 % hi/oo "glorious" (needed as part of other things)
248 begintsuglyph("uni4E15";21); [see page 1016]
249   kanji.rare.glorious;
250   tsu_render;
251 endtsuglyph;
252
253 % sei/sou "world"
254 begintsuglyph("uni4E16";22); [see page 668]
255   kanji.grthree.world;
256   tsu_render;
257 endtsuglyph;
258
259 % kyu/oka "hill"
260 begintsuglyph("uni4E18";24); [see page 911]
261   kanji.greight.knoll;
262   tsu_render;
263 endtsuglyph;
264
265 % hei/hinoe "third class or calendar sign"
266 begintsuglyph("uni4E19";25); [see page 935]
267   kanji.greight.third;
268   tsu_render;
269 endtsuglyph;
270
271 % ryo/teru "both," also a couple of different units of measure
272 begintsuglyph("uni4E21";33); [see page 599]
273   kanji.grthree.both;
274   tsu_render;
275 endtsuglyph;
276
277 % extra "vertical line"
278 begintsuglyph("uni4E28";40); [see page 859]
279   kanji.radical.vline;
280   tsu_render;
281 endtsuglyph;
282

```



283 % simplified "half trunk" used as character component

284 begintsuglyph("uni4E2C";44);

285 build_kanji.lr(480,0)(kanji.radical.half_trunk)();

286 tsu_render;

287 endtsuglyph;

288

289 % naka/chuu "middle"

290 begintsuglyph("uni4E2D";45);

291 kanji.grone.middle;

292 tsu_render;

293 endtsuglyph;

294

295 % maru "circle"

296 begintsuglyph("uni4E38";56);

297 kanji.grtwo.circle;

298 tsu_render;

299 endtsuglyph;

300

301 % shu/nushi "master"

302 begintsuglyph("uni4E3B";59);

303 kanji.grthree.master;

[see page 453]

[see page 500]

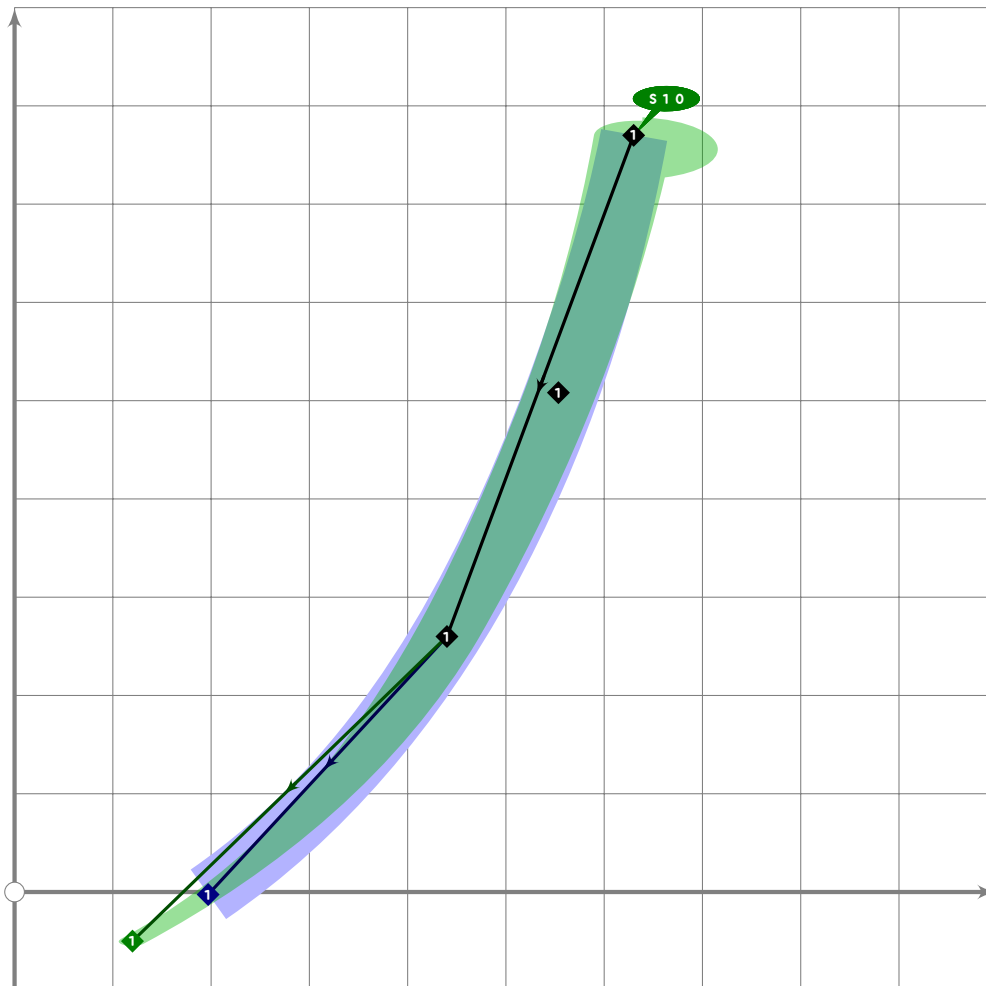
[see page 639]

```

304 tsu_render;
305 endtsuglyph;
306
307 % kyu/hisa "long time" (as in "hisashiburi")
308 begintsuglyph("uni4E45",69);
309 kanji.grfive.long_time;
310 tsu_render;
311 endtsuglyph;
312

```

[see page 763]



```

313 % diagonal stroke (like katakana "no") for use in decomposition dictionary
314 begintsuglyph("uni4E3F",63);
315 push_stroke((630,770)..tension 1.2..(440,260)..(120,-50),
316   (1.6,1.6)-(1.4,1.4)-(0.9,0.9));
317 set_boserif(0,0,10);
318 tsu_render;
319 endtsuglyph;
320
321 % sa/naga "notwithstanding" (needed for tsuku "make")
322 begintsuglyph("uni4E4D",77);
323 kanji.rare.notwithstanding;
324 tsu_render;

```

[see page 1031]

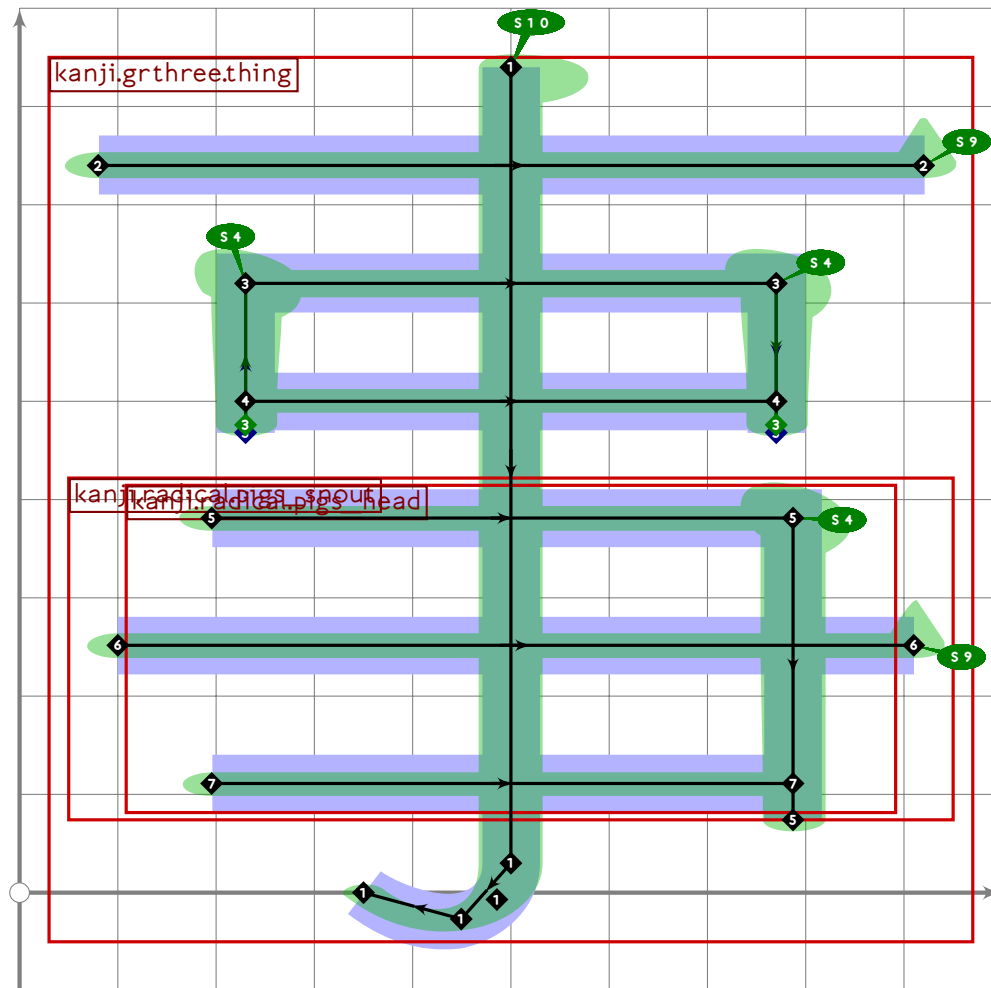
```

325 endtsuglyph;
326
327 % shou/no "ride"
328 begintsuglyph("uni4E57";87); [see page 1976]
329   kanji.grthree.ride;
330   tsu__render;
331 endtsuglyph;
332
333 % extra (needed as component)
334 begintsuglyph("uni4E5A";90); [see page 1030]
335   kanji.rare.mysterious;
336   tsu__render;
337 endtsuglyph;
338
339 % kyuu/kokono "nine"
340 begintsuglyph("uni4E5D";93); [see page 458]
341   kanji.grone.nine;
342   tsu__render;
343 endtsuglyph;
344
345 % ya/nari "to be" (archaic)
346 begintsuglyph("uni4E5F";95); [see page 979]
347   kanji.grnine.to_be;
348   tsu__render;
349 endtsuglyph;
350
351 % ran/mida "riot"
352 begintsuglyph("uni4E71";113); [see page 1983]
353   kanji.grsix.riot;
354   tsu__render;
355 endtsuglyph;
356
357 % ryou "completion"
358 begintsuglyph("uni4E86";134); [see page 886]
359   kanji.greight.completion;
360   tsu__render;
361 endtsuglyph;
362
363 % yo/arakaji "before"
364 begintsuglyph("uni4E88";136); [see page 595]
365   kanji.grthree.before;
366   tsu__render;
367 endtsuglyph;
368
369 % sou/ika "dispute"
370 begintsuglyph("uni4E89";137); [see page 689]
371   kanji.grfour.dispute;
372   tsu__render;

```

373 endtsuglyph;

374



375 % ji/koto "thing"

376 begintsuglyph("uni4E8B";139);

377 kanji.grthree.thing;

378 tsu_render;

379 endtsuglyph;

380

381 % ni/futa "two"

382 begintsuglyph("uni4E8C";140);

383 kanji.grone.two;

384 tsu_render;

385 endtsuglyph;

386

387 % u "deficient"

388 begintsuglyph("uni4E8F";143);

389 kanji.rare.deficient;

390 tsu_render;

391 endtsuglyph;

392

393 % un/i "say"

[see page 482]

[see page 1006]

394 begintsuglyph("uni4E91";145);

[see page 951]

395 kanji.grnine.declaim;

396 tsu_render;

397 endtsuglyph;

398

399 % go/itsu "five"

400 begintsuglyph("uni4E94";148);

[see page 439]

401 kanji.grone.five;

402 tsu_render;

403 endtsuglyph;

404

405 % sei/i "well" (water supply)

406 begintsuglyph("uni4E95";149);

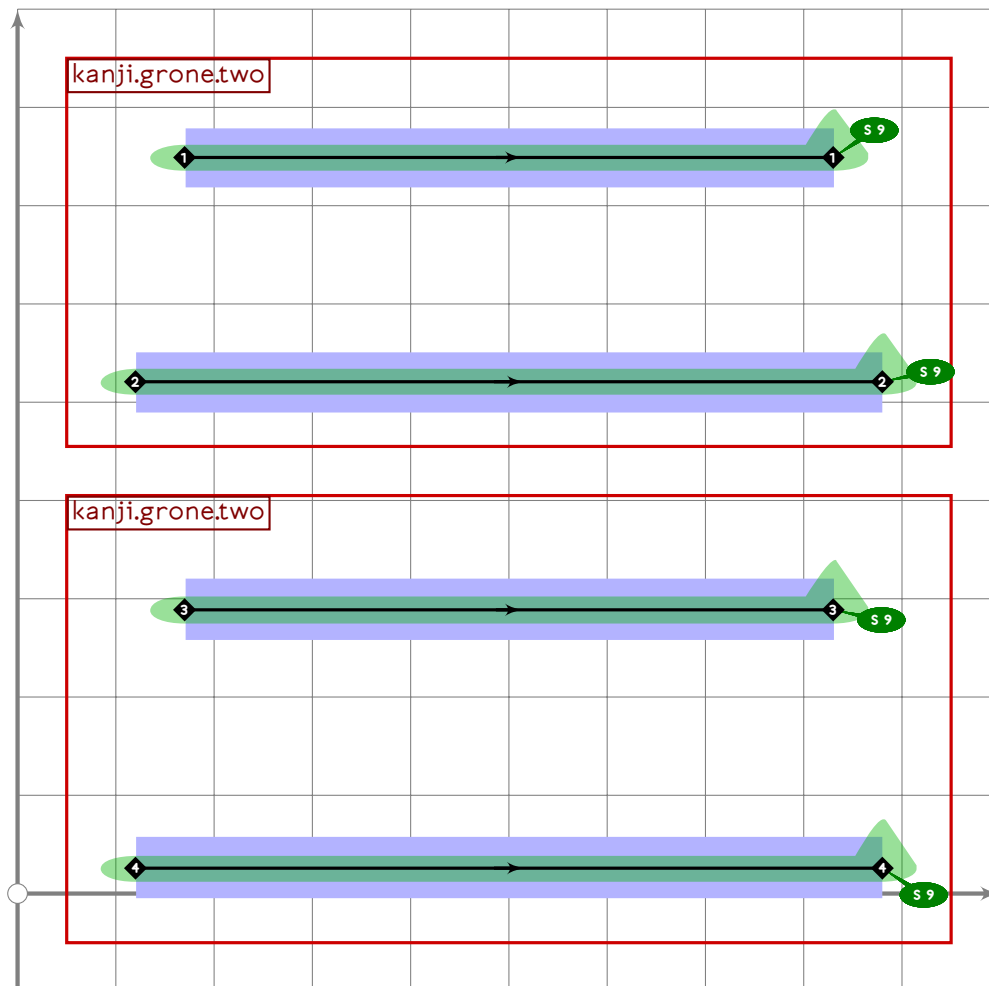
[see page 941]

407 kanji.greight.well;

408 tsu_render;

409 endtsuglyph;

410



411 % extra

412 begintsuglyph("uni4E96";150);

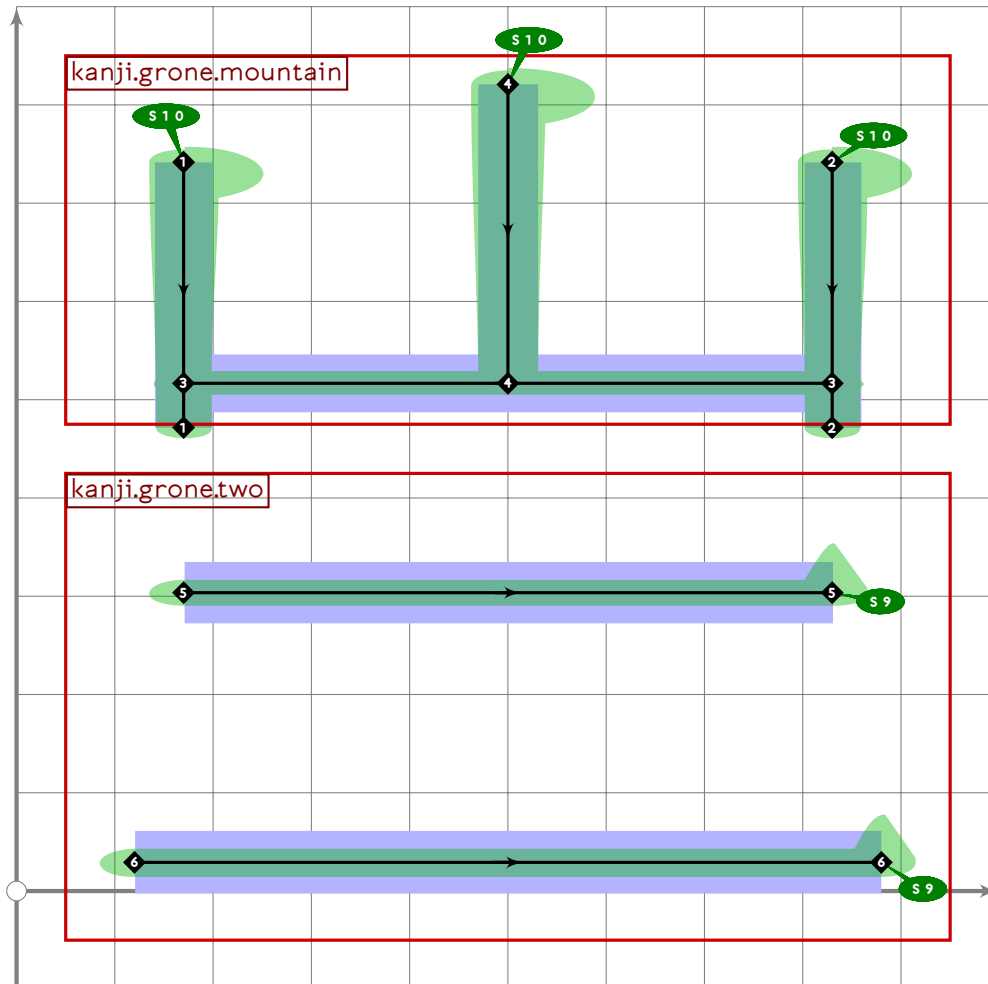
413 build_kanji.tb(430;-50)

414 (kanji.grone.two)

```

415 (kanji.grone.two);
416 tsu_render;
417 endtsuglyph;
418

```



```

419 % extra
420 begintsuglyph("uni4E97";151);
421 build_kanji.tb(450;-50)
422 (kanji.grone.mountain)
423 (kanji.grone.two);
424 tsu_render;
425 endtsuglyph;
426
427 % a/tsu "sub-" (also, "-ous, lower oxidation state")
428 begintsuglyph("uni4E9C";156);
429 kanji.greight.prefix_sub;
430 tsu_render;
431 endtsuglyph;
432
433 % not in dictionaries but needed for grfour.extremely
434 begintsuglyph("uni4E9F";159);
435 kanji.rare.extremely;

```

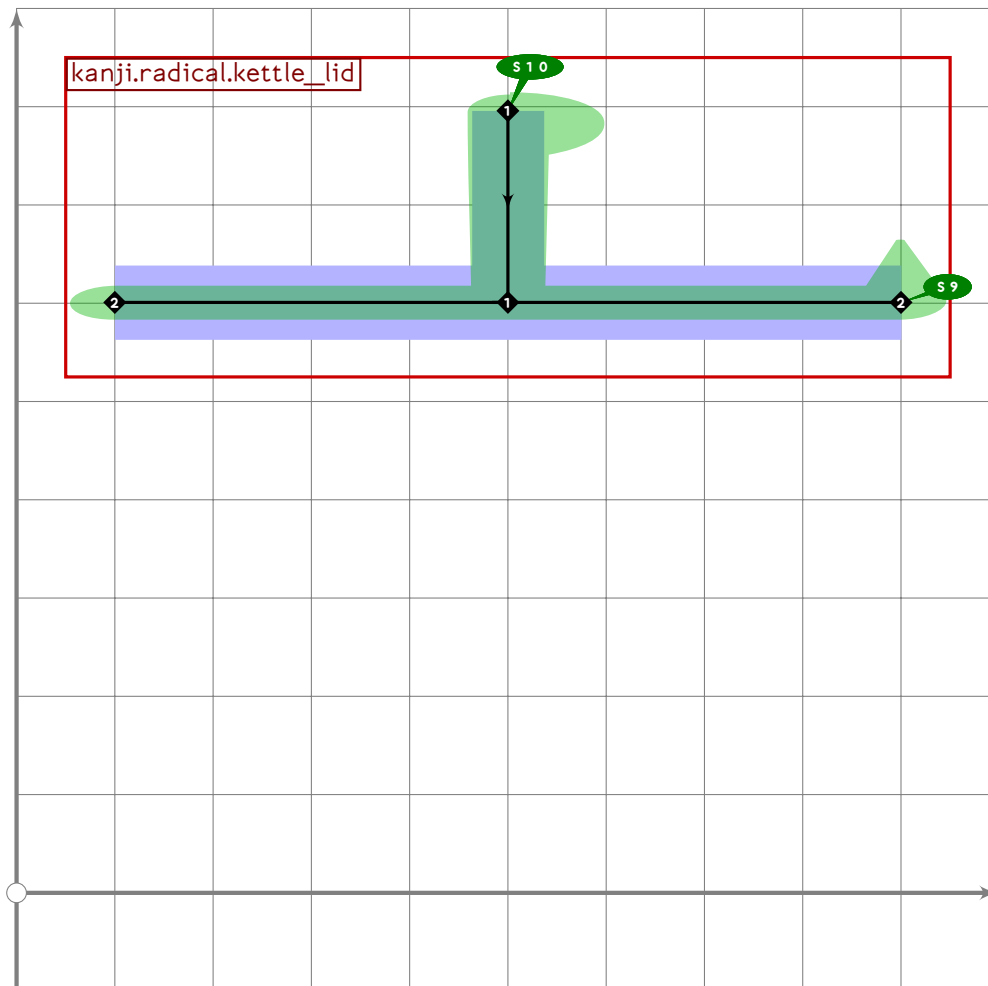
[see page 920]

[see page 1013]

U+4EA0
tsuku.uni4EA0

4E

```
436 tsu_render;  
437 endtsuglyph;  
438
```



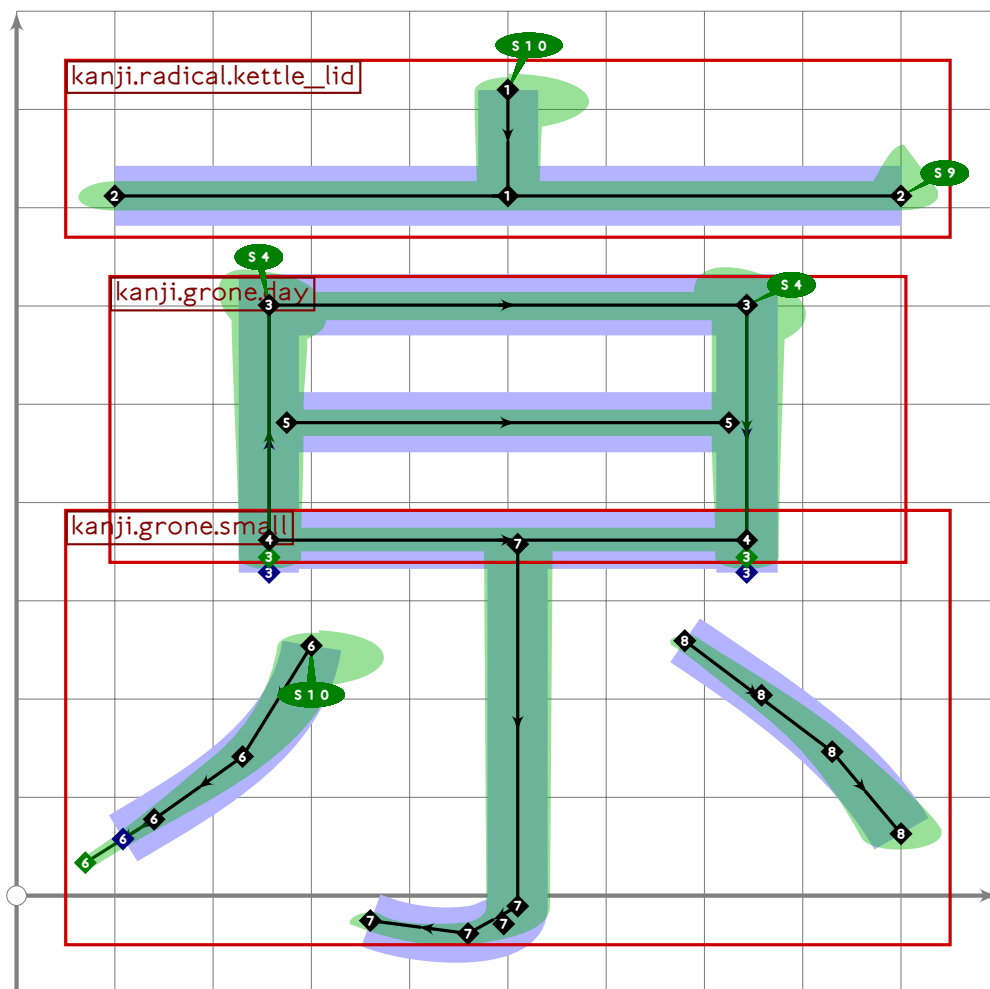
```
439 % "kettle lid radical"  
440 begintsuglyph("uni4EA0",160);  
441   build_kanji.tb(500,-50)  
442     (kanji.radical.kettle_lid)  
443   ();  
444   tsu_render;  
445 endtsuglyph;  
446  
447 % bou/na "dead"  
448 begintsuglyph("uni4EA1",161);  
449   kanji.grsix.dead;  
450   tsu_render;  
451 endtsuglyph;  
452  
453 % kou/takaburu "high spirits"  
454 begintsuglyph("uni4EA2",162);  
455   kanji.rare.high_spirits;  
456   tsu_render;
```

[see page 790]

[see page 1018]

457 endtsuglyph;
 458
 459 % kou/maji "mix"
 460 begintsuglyph("uni4EA4";164); [see page 544]
 461 kanji.grtwo.mix;
 462 tsu_render;
 463 endtsuglyph;
 464
 465 % eki/mata "again"
 466 begintsuglyph("uni4EA6";166); [see page 943]
 467 kanji.grnine.again;
 468 tsu_render;
 469 endtsuglyph;
 470
 471 % kou "undergo" (rarer form)
 472 begintsuglyph("uni4EA8";168); [see page 984]
 473 kanji.grnine.undergo;
 474 tsu_render;
 475 endtsuglyph;
 476
 477 % kyou "undergo" (more common form)
 478 begintsuglyph("uni4EAB";171); [see page 940]
 479 kanji.greight.undergo;
 480 tsu_render;
 481 endtsuglyph;
 482
 483 % kyou "capital"
 484 begintsuglyph("uni4EAC";172); [see page 497]
 485 kanji.grtwo.capital;
 486 tsu_render;
 487 endtsuglyph;
 488
 489 % tei "head of household"
 490 begintsuglyph("uni4EAD";173); [see page 905]
 491 kanji.greight.head_of_household;
 492 tsu_render;
 493 endtsuglyph;

494–495

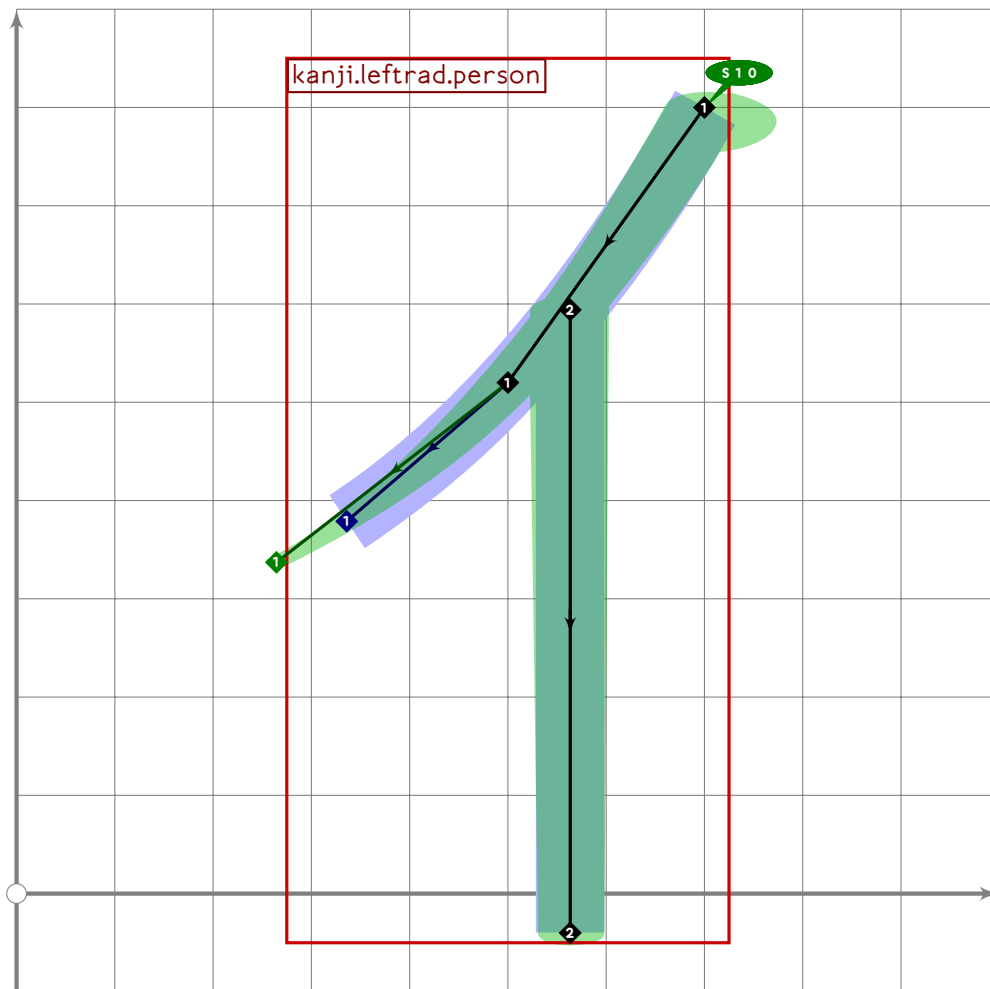


```

496 % extra "capital"
497 beginsuglyph("uni4EB0",176);
498   build_kanji.level(build_kanji.tb(650,-40)
499     (kanji.radical.kettle_lid)
500     (build_kanji.tb(500,70)
501       (build_kanji.sscale(xscaled 0.9)(kanji.grone.day))
502       (kanji.grone.small)));
503   set_boserif(-1,0,whatever);
504   tsu_render;
505 endtsuglyph;
506
507 % hito/jin "person"
508 beginsuglyph("uni4EBA",186);
509   kanji.grone.person;
510   tsu_render;
511 endtsuglyph;
512

```

[see page 463]



```

513 % hito/jin "person" as radical
514 begintsuglyph("uni4EBB",187);
515   build_kanji.sscale(xscaled 0.5)(kanji.leftrad.person);
516   tsu_render;
517 endtsuglyph;
518
519 % juu "utensil"
520 begintsuglyph("uni4EC0",192);
521   kanji.rare.utensil;
522   tsu_render;
523 endtsuglyph;
524
525 % jin "benevolence"
526 begintsuglyph("uni4EC1",193);
527   kanji.grsix.benevolence;
528   tsu_render;
529 endtsuglyph;
530
531 % "surplus or excess"
532 begintsuglyph("uni4EC2",194);
533   kanji.rare.surplus;

```

[see page 1987]

[see page 1982]

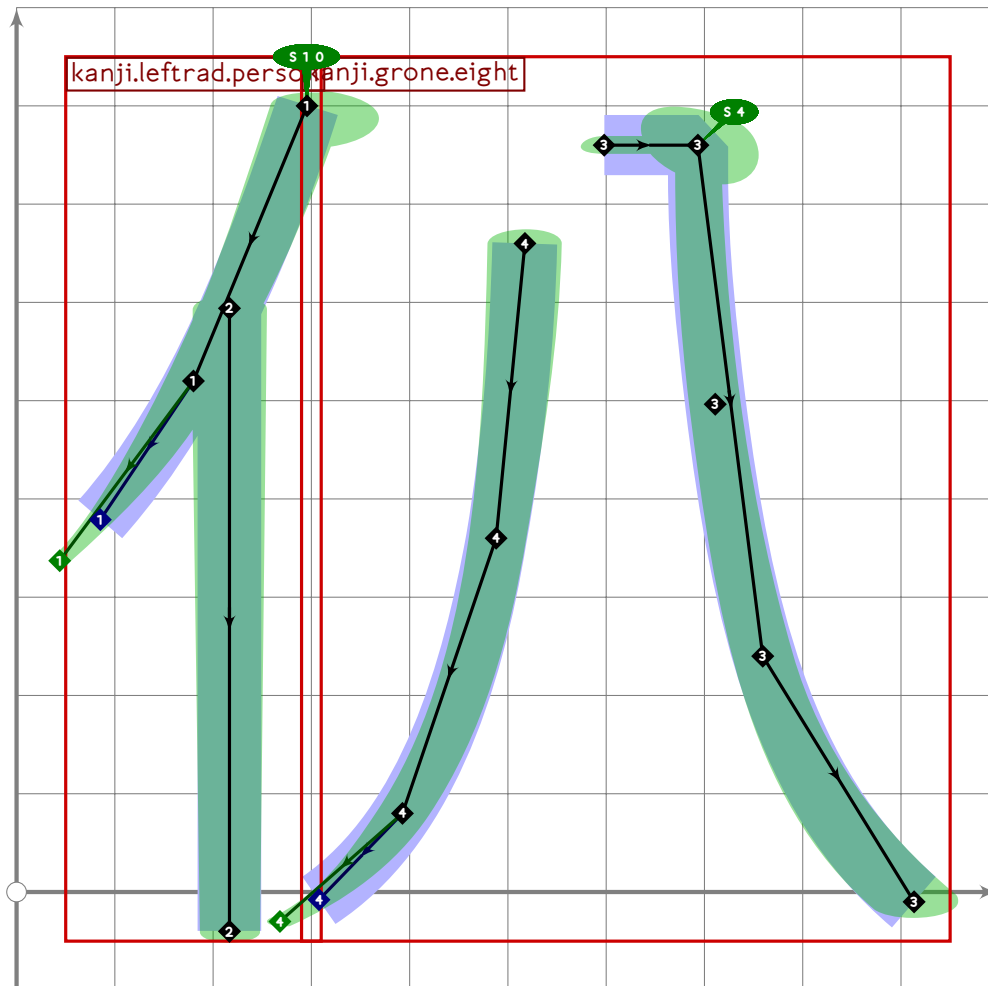
[see page 1986]

```

534 tsu_render;
535 endtsuglyph;
536
537 % ada "enemy"
538 begintsuglyph("uni4EC7";199);
539 kanji.reference.enemy;
540 tsu_render;
541 endtsuglyph;
542

```

[see page 1985]



```

543 % extra
544 begintsuglyph("uni4EC8";200);
545 build_kanji.lr(300,20)
546 (kanji.leftrad.person)
547 (kanji.grone.eight);
548 tsu_render;
549 endtsuglyph;
550
551 % kon/ima "now"
552 begintsuglyph("uni4ECA";202);
553 kanji.grtwo.now;
554 tsu_render;

```

[see page 551]

```

555 endtsuglyph;
556
557 % kai "mediate"
558 begintsuglyph("uni4ECB";203); [see page 912]
559   kanji.greight.mediate;
560   tsu_render;
561 endtsuglyph;
562
563 % futsu/hotoke "France" or "Buddha"
564 begintsuglyph("uni4ECF";207); [see page 1980]
565   kanji.grfive.france;
566   tsu_render;
567 endtsuglyph;
568
569 % ko "offspring"
570 begintsuglyph("uni4ED4";212); [see page 1984]
571   kanji.grnine.offspring;
572   tsu_render;
573 endtsuglyph;
574
575 % shi/tsuka "serve"
576 begintsuglyph("uni4ED5";213); [see page 1977]
577   kanji.grthree.serve;
578   tsu_render;
579 endtsuglyph;
580
581 % ta/hoka "other"
582 begintsuglyph("uni4ED6";214); [see page 647]
583   kanji.grthree.other;
584   tsu_render;
585 endtsuglyph;
586
587 % fu/tsu "attach"
588 begintsuglyph("uni4ED8";216); [see page 674]
589   kanji.grfour.attach;
590   tsu_render;
591 endtsuglyph;
592
593 % sen "wizard"
594 begintsuglyph("uni4ED9";217); [see page 942]
595   kanji.greight.wizard;
596   tsu_render;
597 endtsuglyph;
598
599 % dai/kawa "generation"
600 begintsuglyph("uni4EE3";227); [see page 624]
601   kanji.grthree.generation;
602   tsu_render;

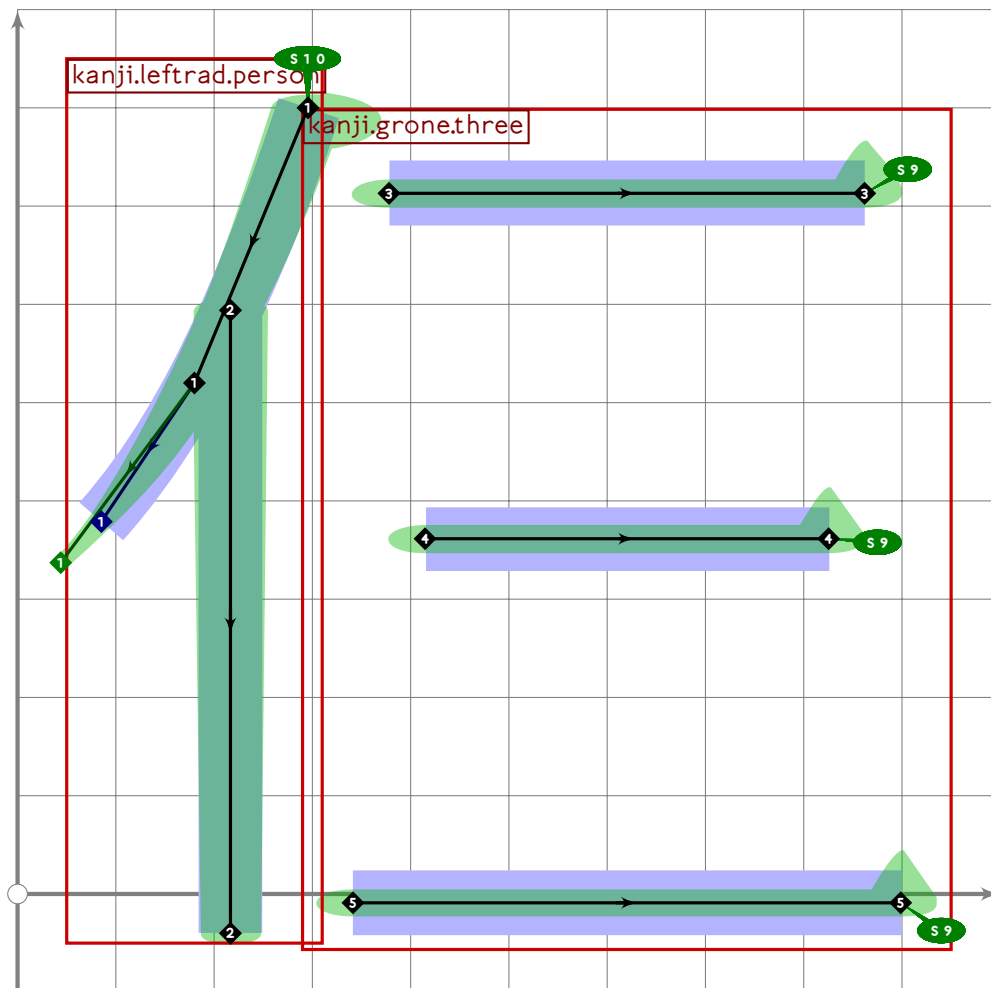
```



```

603 endtsuglyph;
604
605 % rei "orders" (but usually part of honorific titles for family members)
606 begintsuglyph("uni4EE4";228); [see page 719]
607   kanji.grfour.orders;
608   tsu_render;
609 endtsuglyph;
610
611 % i/mo(tsu) "because" or "with regard to"
612 begintsuglyph("uni4EE5";229); [see page 673]
613   kanji.grfour.as;
614   tsu_render;
615 endtsuglyph;
616

```



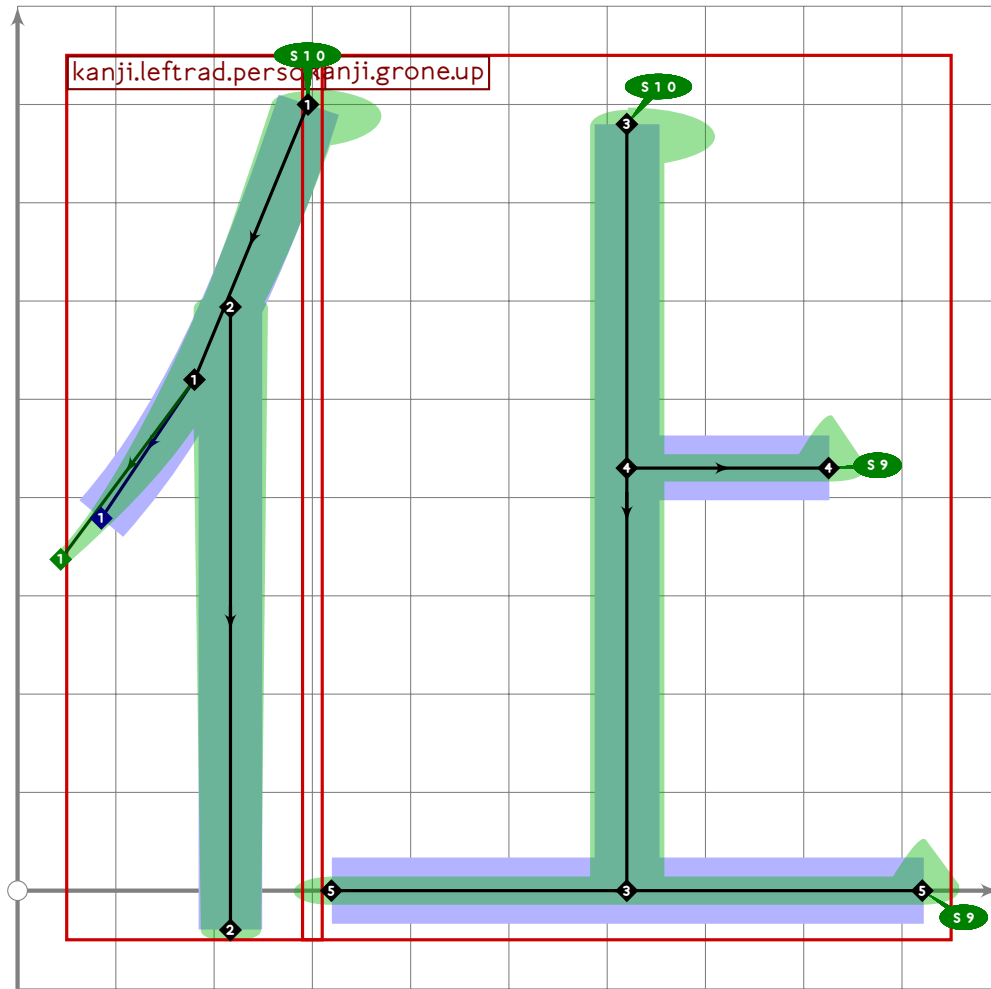
```

617 % extra
618 begintsuglyph("uni4EE8";232);
619   build_kanji.lr(300,20)
620     (kanji.leftrad.person)
621     (build_kanji.sscale(shifted (0,30) yscaled 0.95)
622       (kanji.grone.three));
623   tsu_render;

```

624 endtsuglyph;

625



626 % extra

627 begintsuglyph("uni4EE9";233);

628 build_kanji.lr(300,20)

629 (kanji.leftrad.person)

630 (kanji.grone.up);

631 tsu_render;

632 endtsuglyph;

633

634 % ka/kari "temporary"

635 begintsuglyph("uni4EEE";238);

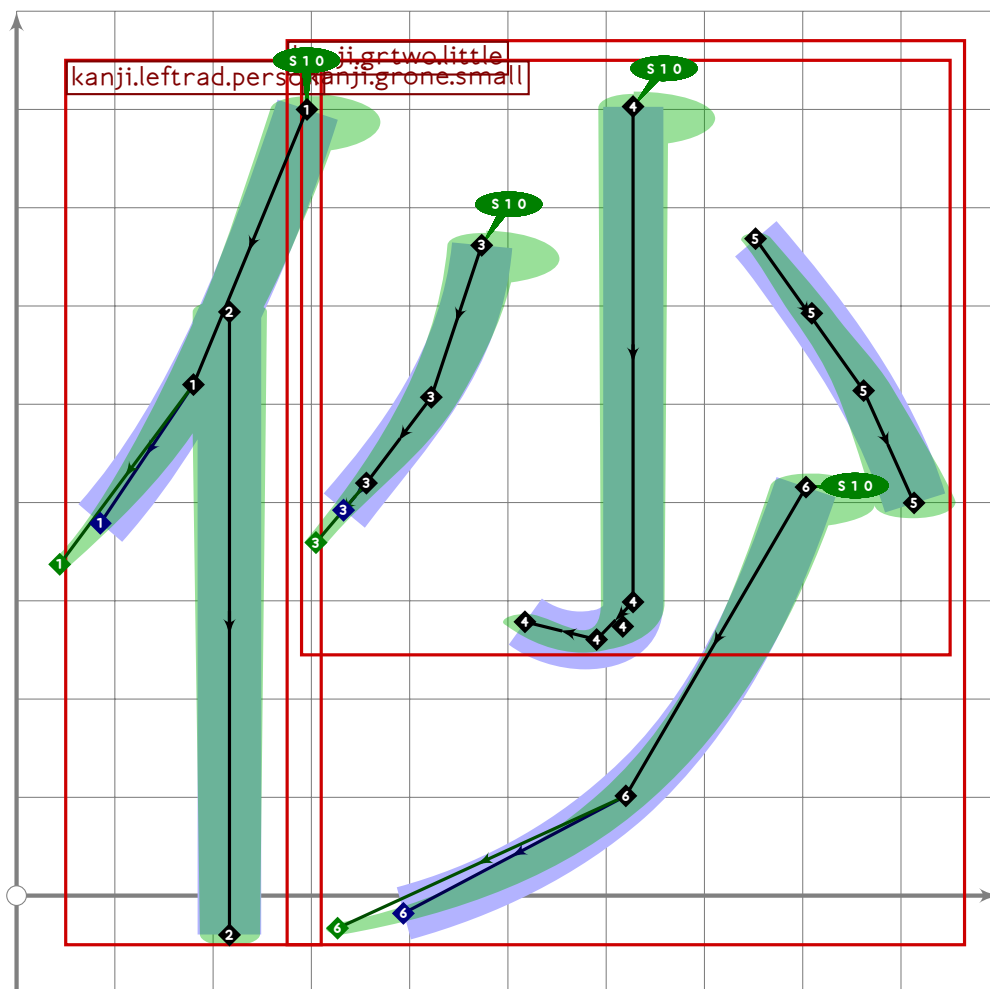
636 kanji.grfive.temporary;

637 tsu_render;

638 endtsuglyph;

639

[see page 1981]

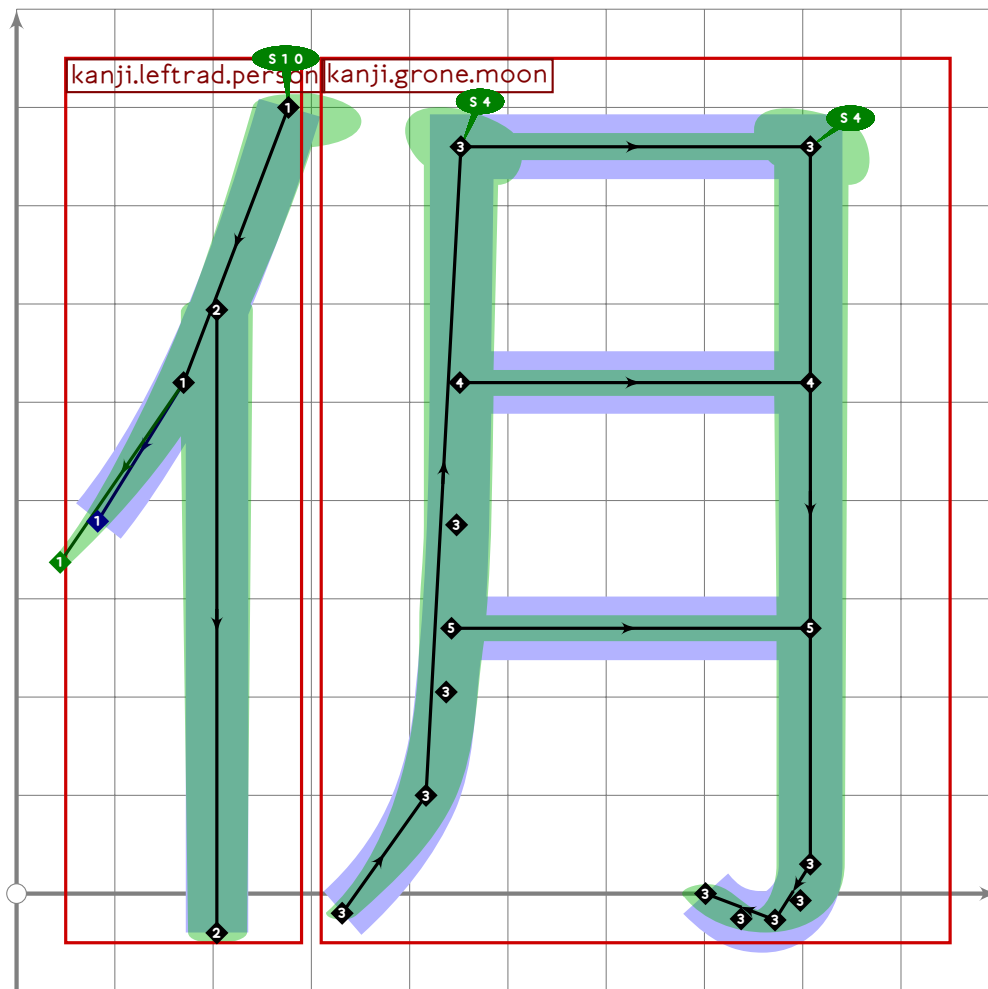


```

640 % extra
641 begintsuglyph("uni4EEF",239);
642   build_kanji.lr(300,20)
643     (kanji.leftrad.person)
644     (kanji.grtwo.little);
645   tsu_render;
646 endtsuglyph;
647
648 % naka/chuu "go-between"
649 begintsuglyph("uni4EF2",242);
650   kanji.grfour.go_between;
651   tsu_render;
652 endtsuglyph;
653

```

[see page 1978]



```

654 % extra
655 begintsuglyph("uni4EF4";244);
656   build_kanji.lr(300;-20)
657   (kanji.leftrad.person)
658   (kanji.grone.moon);
659   tsu_render;
660 endtsuglyph;

```

```

661
662 % ken/kudan "affair"
663 begintsuglyph("uni4EF6";246);
664   kanji.grfive.affair;
665   tsu_render;
666 endtsuglyph;

```

[see page 1979]

```

667
668 % nin/maka "responsibility"
669 begintsuglyph("uni4EFB";251);
670   kanji.grfive.responsibility;
671   tsu_render;
672 endtsuglyph;

```

[see page 774]

```

673
674

```

675

676 endfont;

677

678

```
1 %
2 % Unicode page 4F (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---

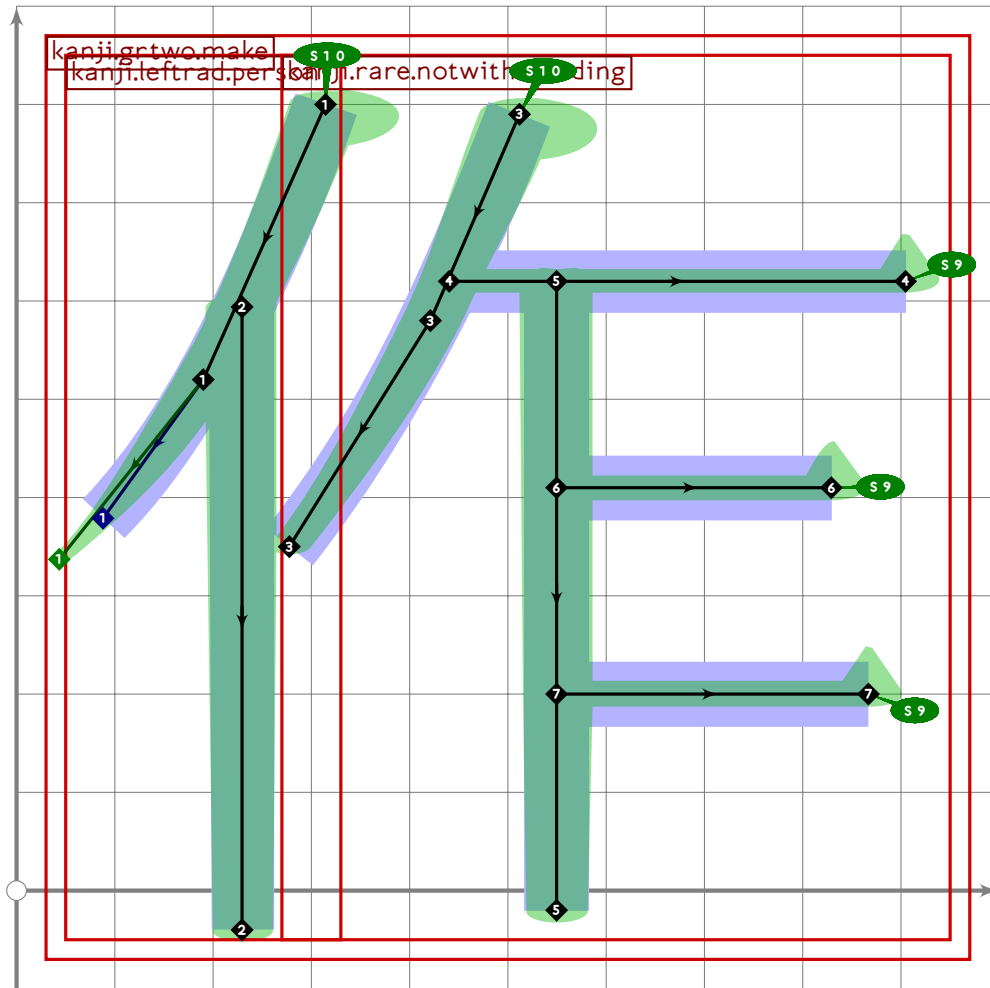

32
33 beginfont
34
35 % AUTODEPS
36 input bottomrad.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49 input rightrad.mp;
50 input toprad.mp;
51
52 do_late_includes;
53
54 

---


```

U+4F5C
tsuku.uni4F5C

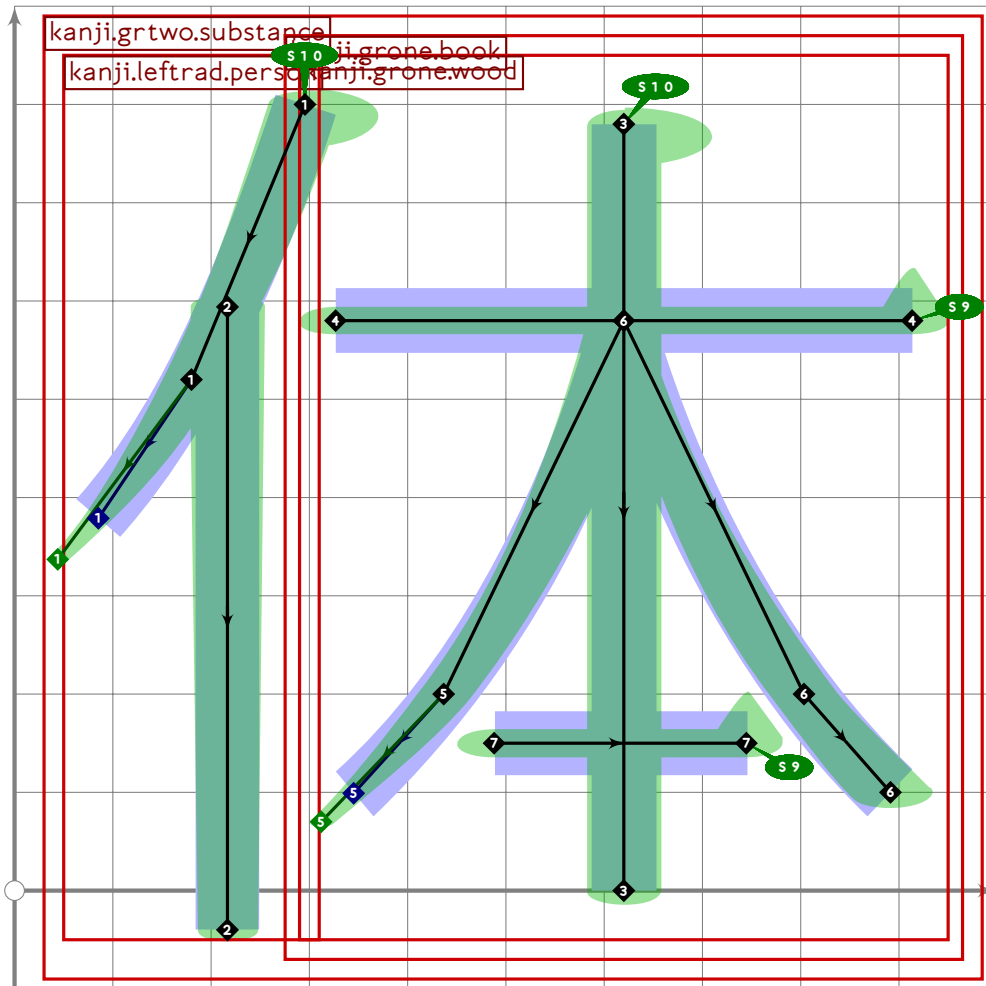
4F



```

55
56 vardef kanji.grtwo.make =
57   push_pbox_toexpand("kanji.grtwo.make");
58   build_kanji.lr(300,60)
59     (kanji.leftrad.person)
60     (kanji.rare.notwithstanding);
61   expand_pbox;
62 enddef;

```

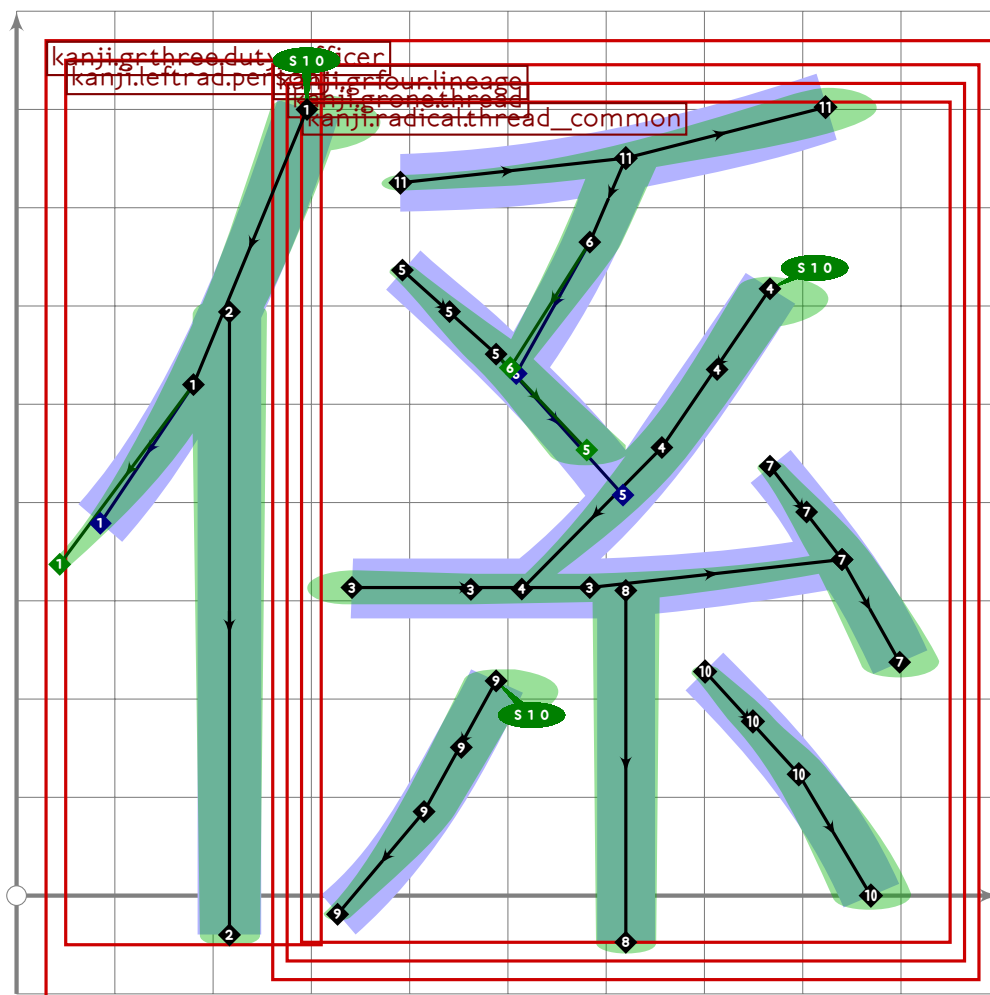


```

63
64 vardef kanji.grtwo.substance =
65   push_pbox_toexpand("kanji.grtwo.substance");
66   build_kanji.lr(300,20)
67     (kanji.leftrad.person)
68     (kanji.grone.book);
69   expand_pbox;
70 enddef;
71
72

```

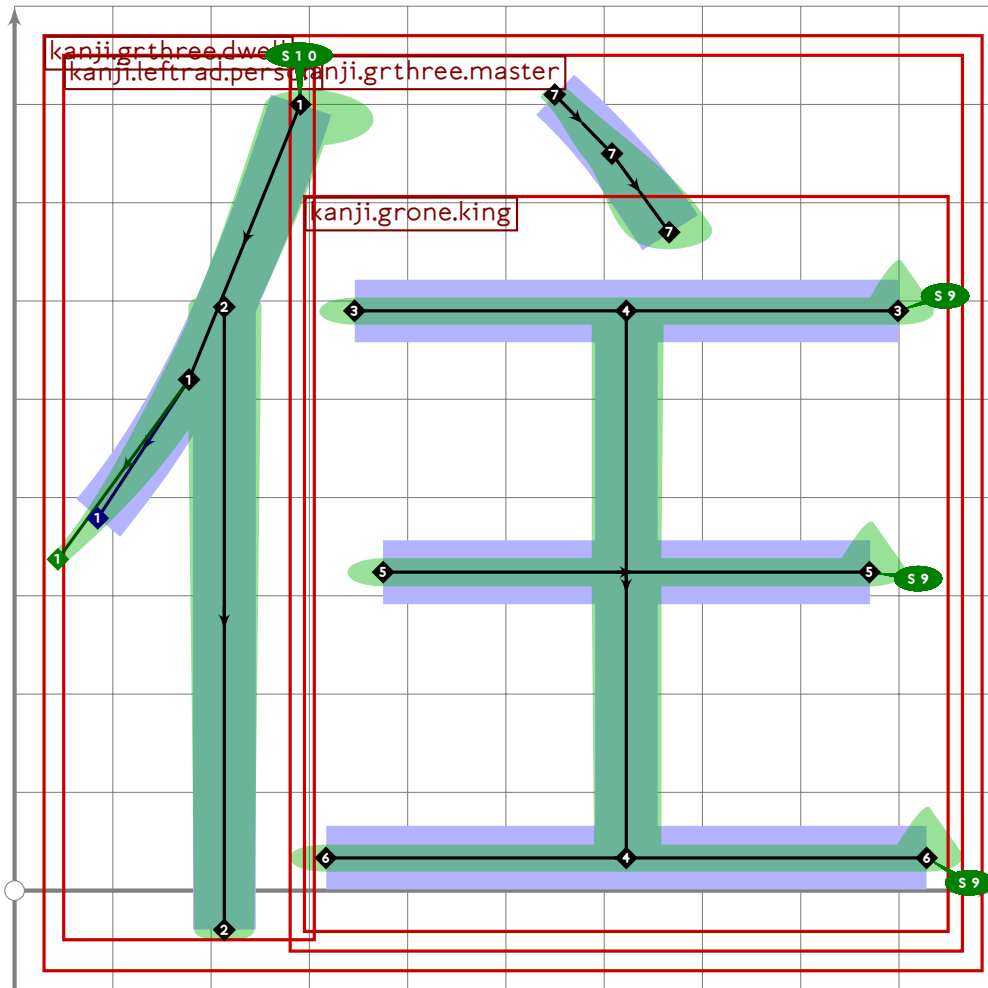

4F



```

73
74 vardef kanji.grthree.duty_officer =
75   push_pbox_toexpand("kanji.grthree.duty_officer");
76   build_kanji.lr(300,20)
77     (kanji.leftrad.person)
78     (tsu_xform(identity yscaled 0.95)(kanji.grfour.lineage));
79   expand_pbox;
80 enddef;

```



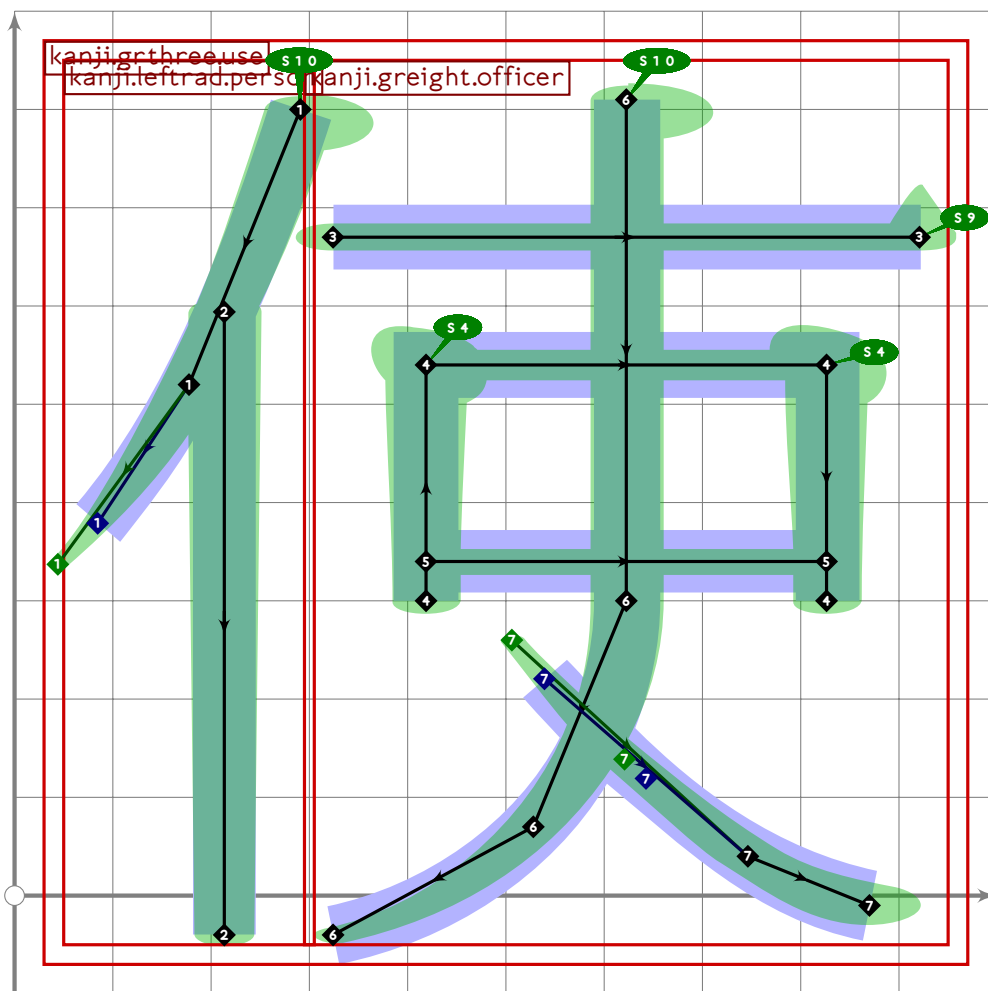
```

81
82 vardef kanji.grthree.dwell =
83   push_pbox_toexpand("kanji.grthree.dwell");
84   build_kanji.lr(300,10)
85     (kanji.leftrad.person)
86     (kanji.grthree.master);
87   expand_pbox;
88 enddef;

```

U+4F7F
tsuku.uni4F7F

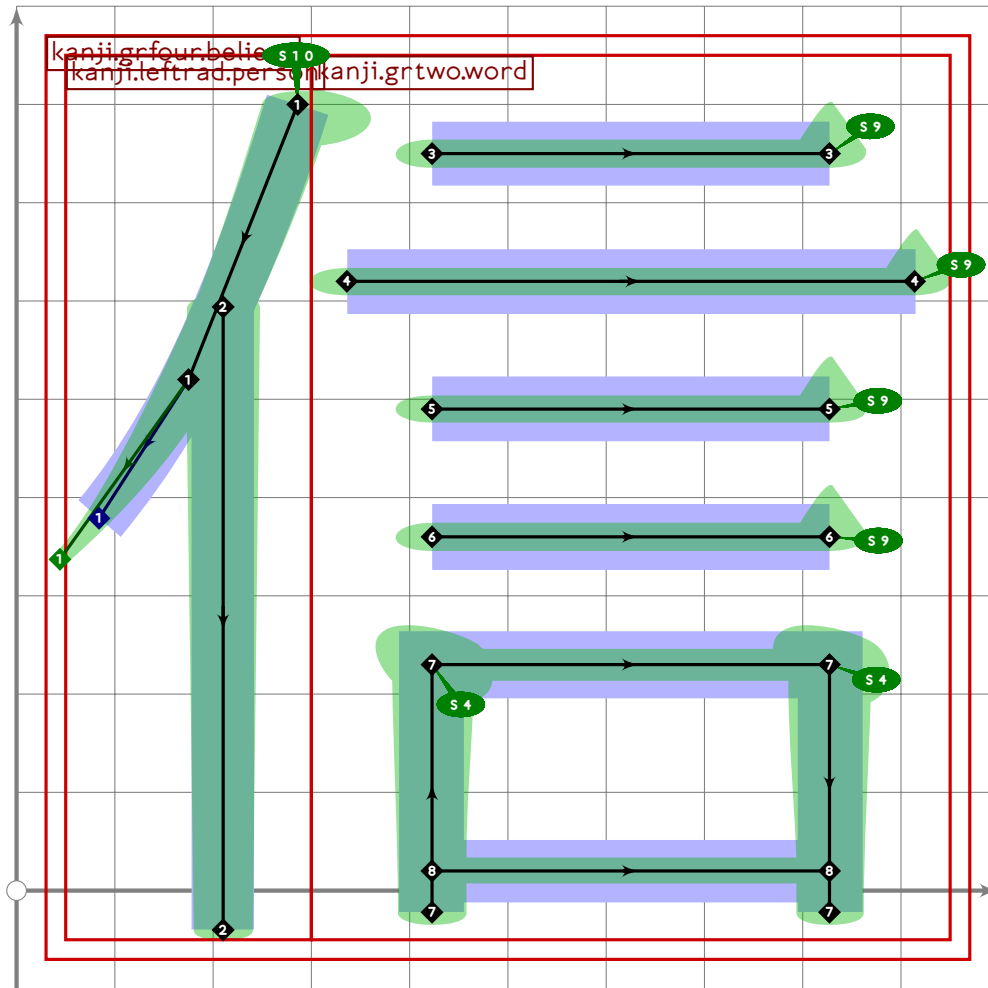
4F



```

89
90 vardef kanji.grthree.use =
91   push_pbox_toexpand("kanji.grthree.use");
92   build_kanji.lr(300,10)
93     (kanji.leftrad.person)
94     (kanji.greight.officer);
95   expand_pbox;
96 enddef;
97
98

```



4F

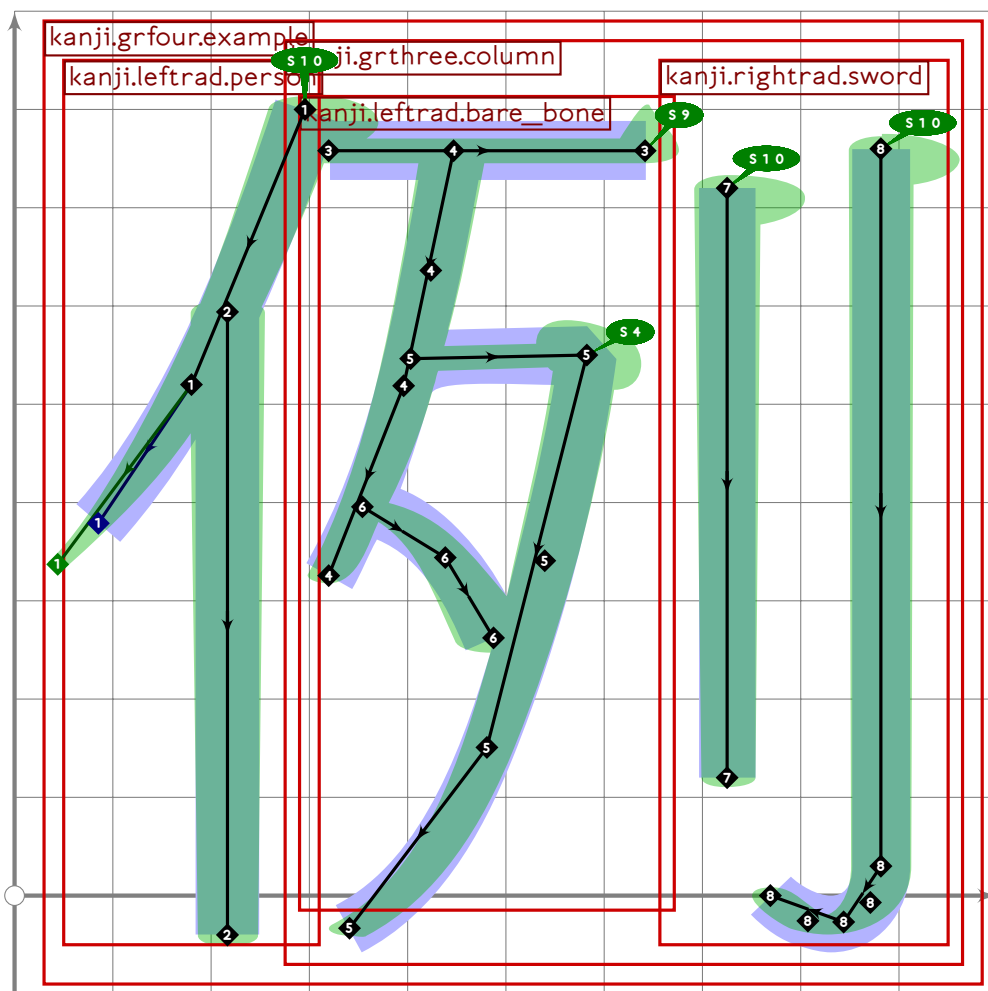
```

99
100 vardef kanji.grfour.believe =
101   push_pbox_toexpand("kanji.grfour.believe");
102   build_kanji.lr(300,0)
103     (kanji.leftrad.person)
104     (kanji.grtwo.word);
105   expand_pbox;
106 enddef;

```

U+4F8B
tsuku.uni4F8B

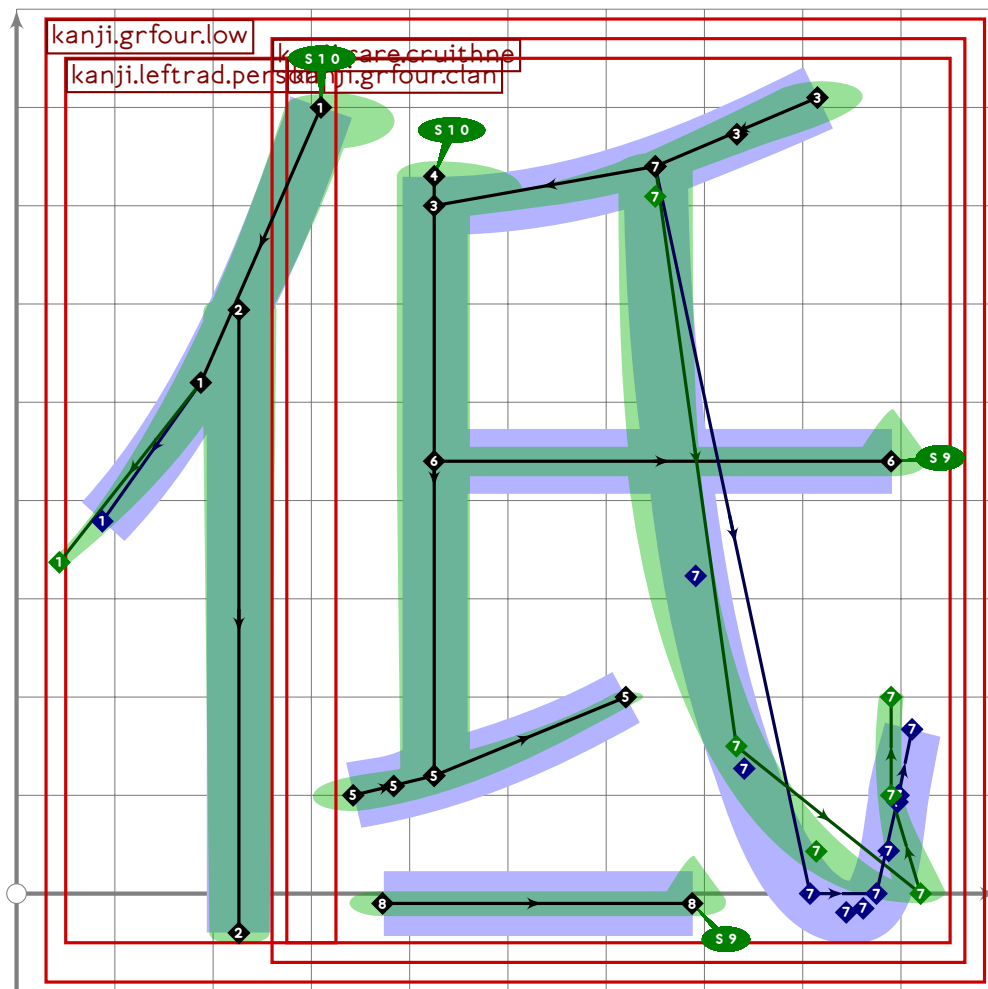
4F



```

107
108 vardef kanji.grfour.example =
109   push_pbox_toexpand("kanji.grfour.example");
110   build_kanji.lr(300,20)
111     (kanji.leftrad.person)
112     (kanji.grthree.column);
113   expand_pbox;
114 enddef;

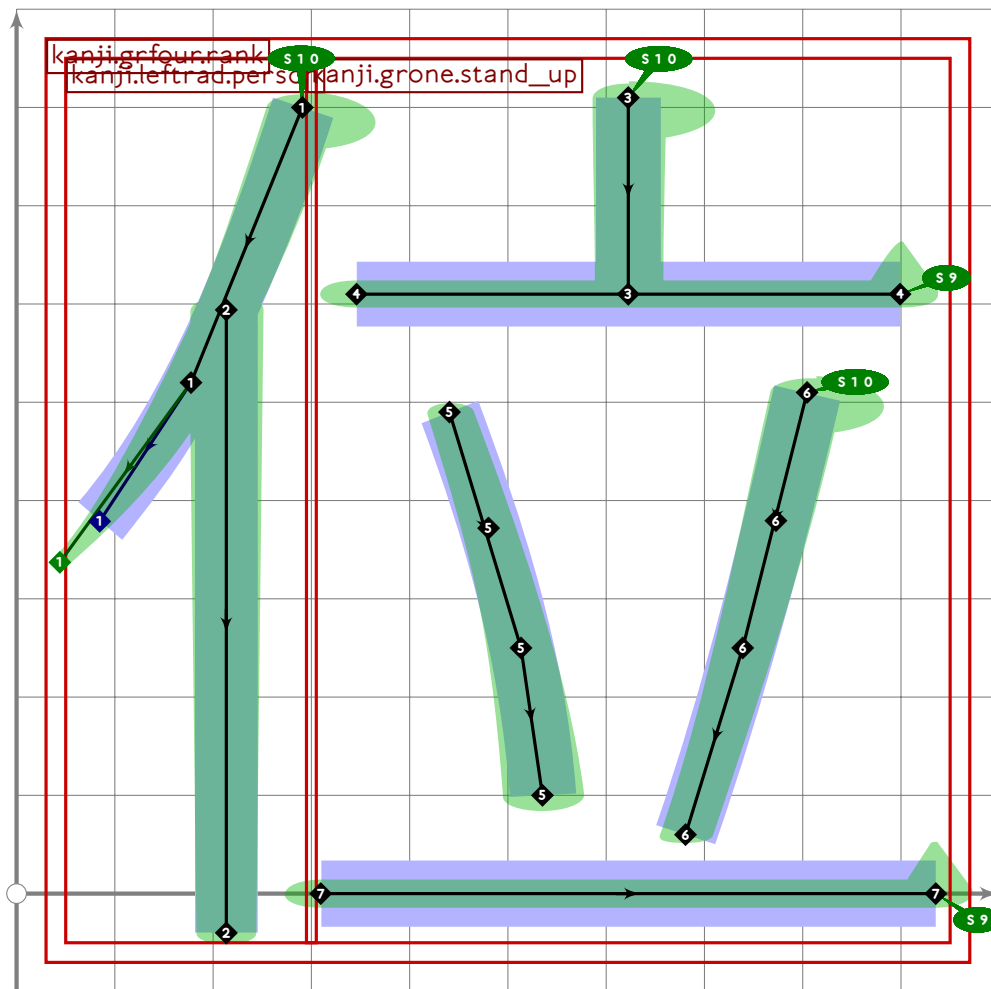
```



```

115
116 vardef kanji.grfour.low =
117   push_pbox_toexpand("kanji.grfour.low");
118   build_kanji.lr(300,50)
119     (kanji.leftrad.person)
120     (kanji.rare.cruithne);
121   expand_pbox;
122 enddef;

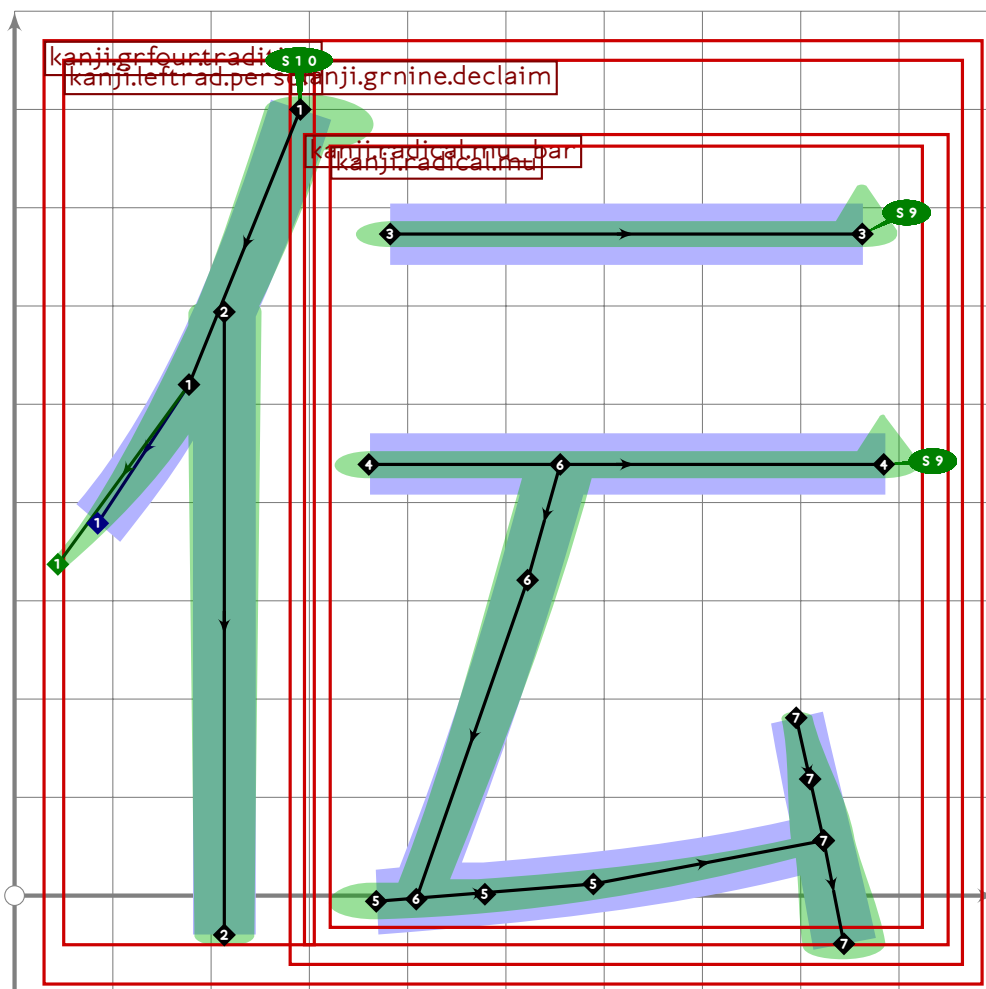
```



```

123
124 vardef kanji.grfour.rank =
125   push_pbox_toexpand("kanji.grfour.rank");
126   build_kanji.lr(300,10)
127     (kanji.leftrad.person)
128     (kanji.grone.stand_up);
129   expand_pbox;
130 enddef;

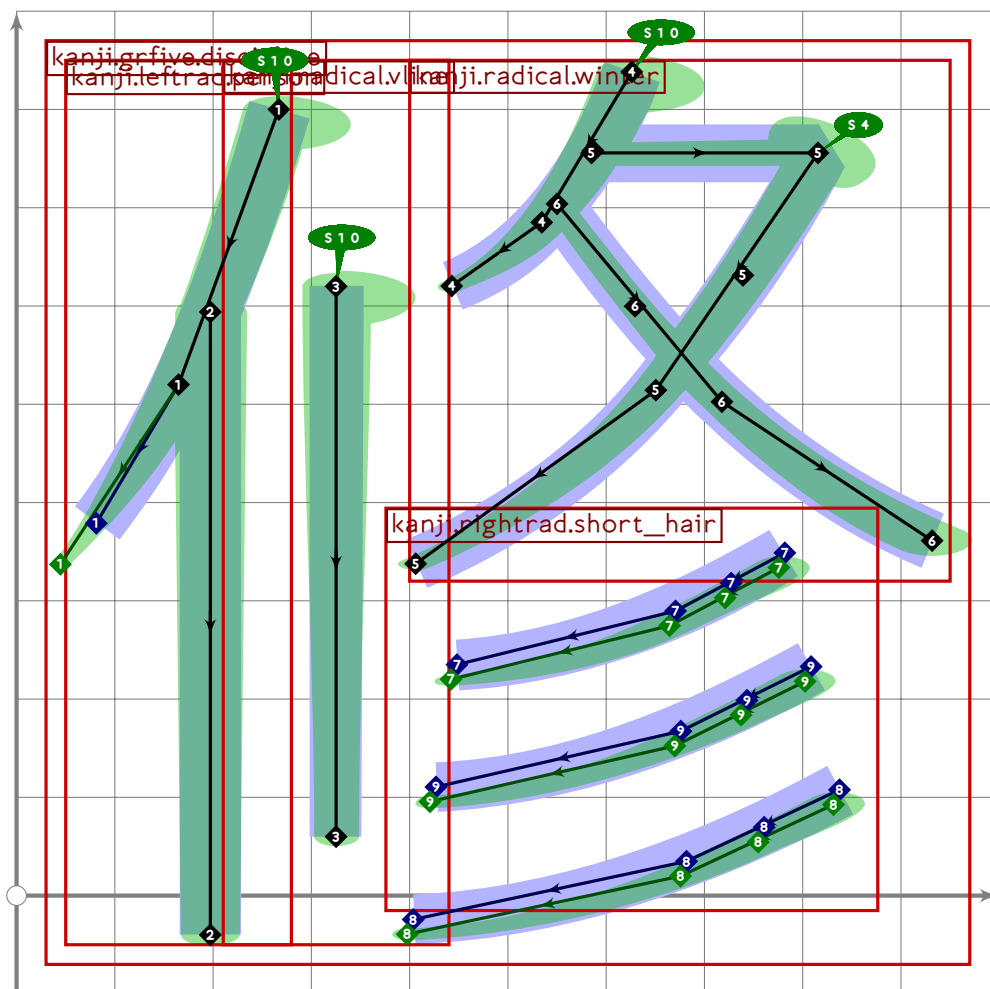
```



4F

```

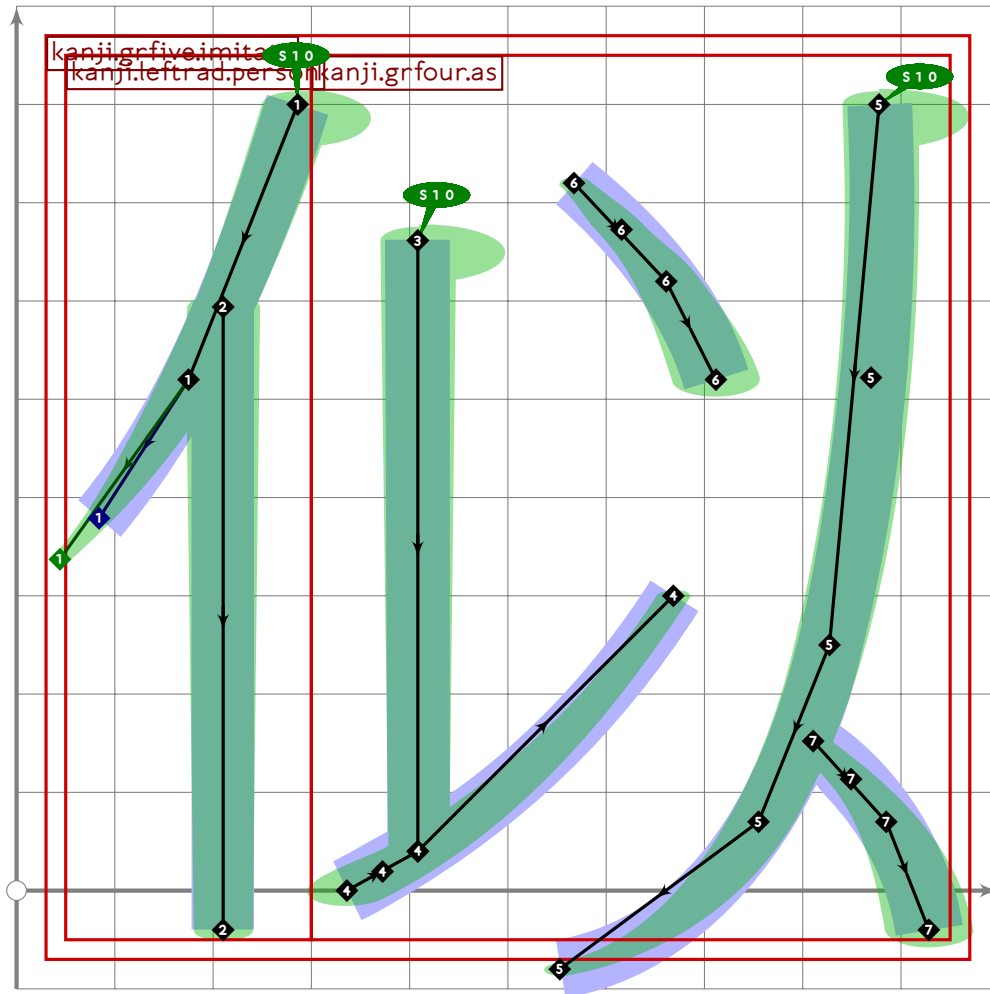
131
132 vardef kanji.grfourtradition =
133   push_pbox_toexpand("kanji.grfourtradition");
134   build_kanji.lr(300,10)
135     (kanji.leftrad.person)
136     (kanji.grnine.declaim);
137   expand_pbox;
138 enddef;
139
140
```

```

141
142 vardef kanji.grfive.discipline =
143   push_pbox_toexpand("kanji.grfive.discipline");
144   build_kanji.lr(420,40)
145     (build_kanji.lr(500,160)
146       (kanji.leftrad.person)
147       (kanji.radical.vline;
148         replace_strokep(0)(subpath (0.2,0.9) of oldp)))
149     (build_kanji.tb(360,80)
150       (kanji.radical.winter)
151       (build_kanji.sscale(scaled 0.91 shifted (-80-10*mincho,30-30*mincho))
152         (kanji.rightrad.short_hair)));
153   expand_pbox;
154 enddef;

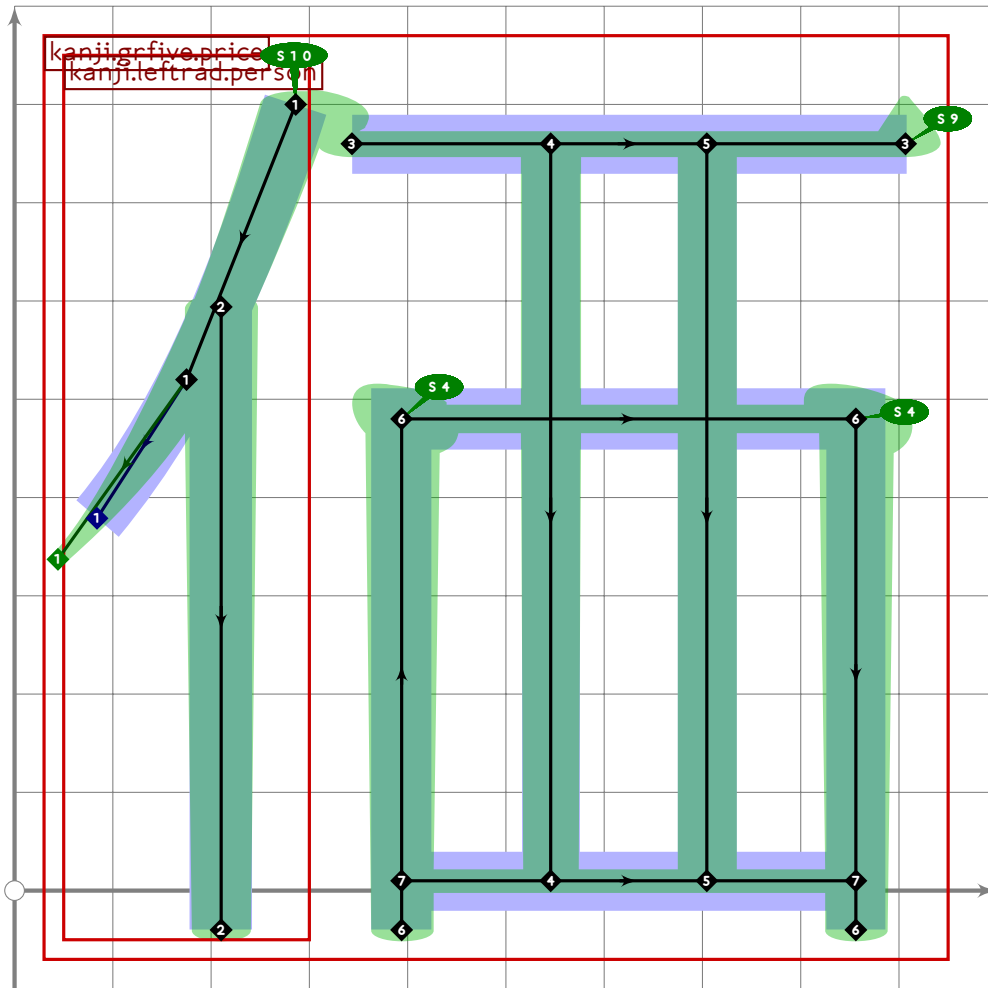
```



```

155
156 vardef kanji.grfive.imitate =
157   push_pbox_toexpand("kanji.grfive.imitate");
158   build_kanji.lr(300,0)
159   (kanji.leftrad.person)
160   (kanji.grfour.as;
161     replace_stroke(-4)(subpath (0.16,infinity) of oldp));
162   expand_pbox;
163 enddef;

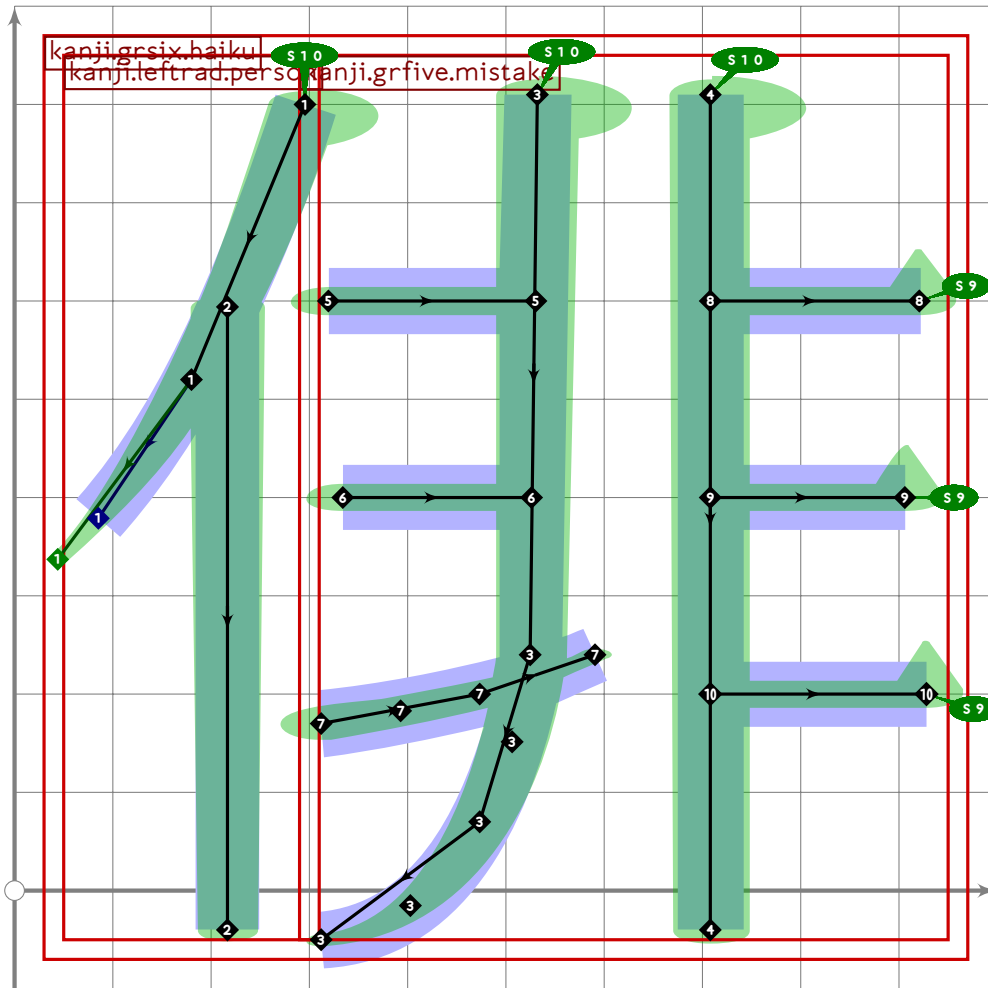
```



```

164
165 vardef kanji.grfive.price =
166   push_pbox_toexpand("kanji.grfive.price");
167   build_kanji.lr(300,0)
168     (kanji.leftrad.person)
169     (build_kanji.thickness(0.92)
170       (push_stroke((110,760)-(890,760),(1.6,1.6)-(1.6,1.6));
171         set_boserif(0,1,9);
172         push_stroke((390,760)-(390,10),(1.5,1.5)-(1.4,1.4));
173         push_stroke((610,760)-(610,10),(1.5,1.5)-(1.4,1.4));
174         build_kanji.box((180,480),(820,10)))));
175   expand_pbox;
176 enddef;
177
178

```



4F

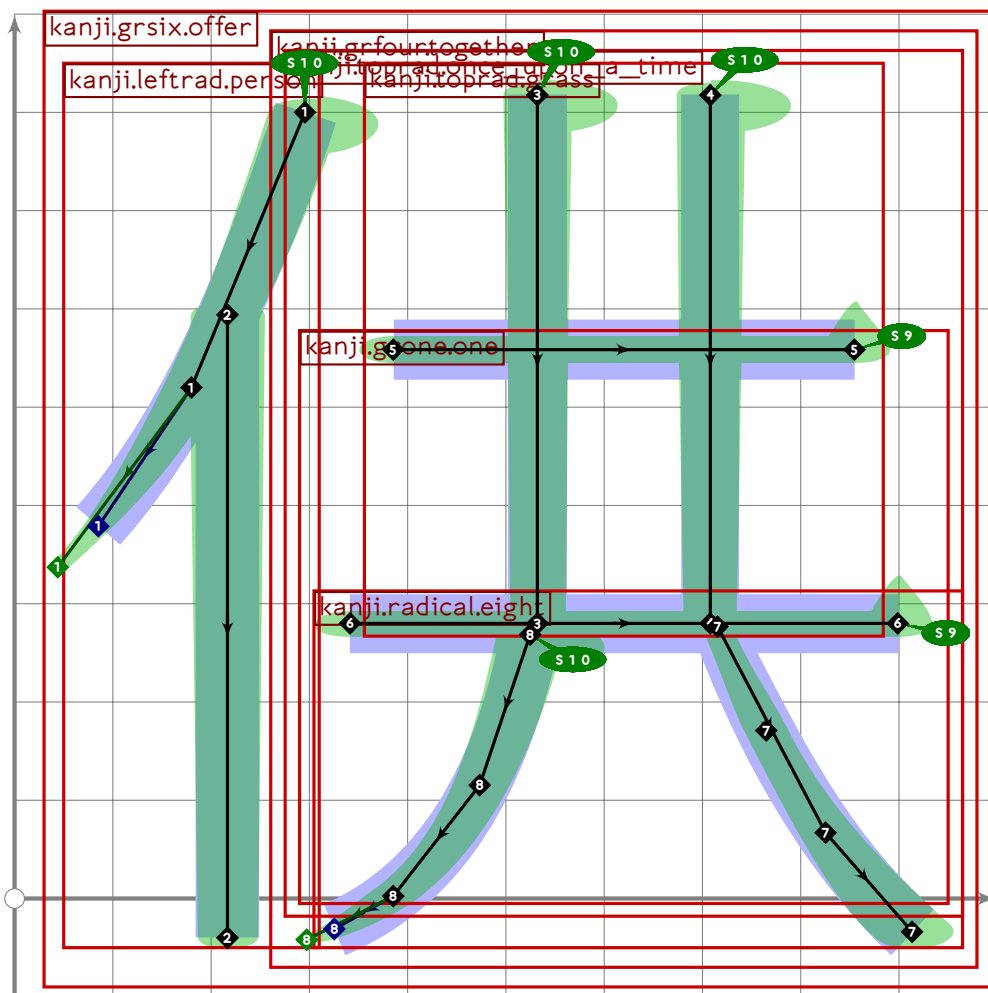
```

179
180 vardef kanji.grsix.haiku =
181   push_pbox_toexpand("kanji.grsix.haiku");
182   build_kanji.lr(300,20)
183     (kanji.leftrad.person)
184     (kanji.grfive.mistake);
185   expand_pbox;
186 enddef;

```

U+4F9B
tsuku.uni4F9B

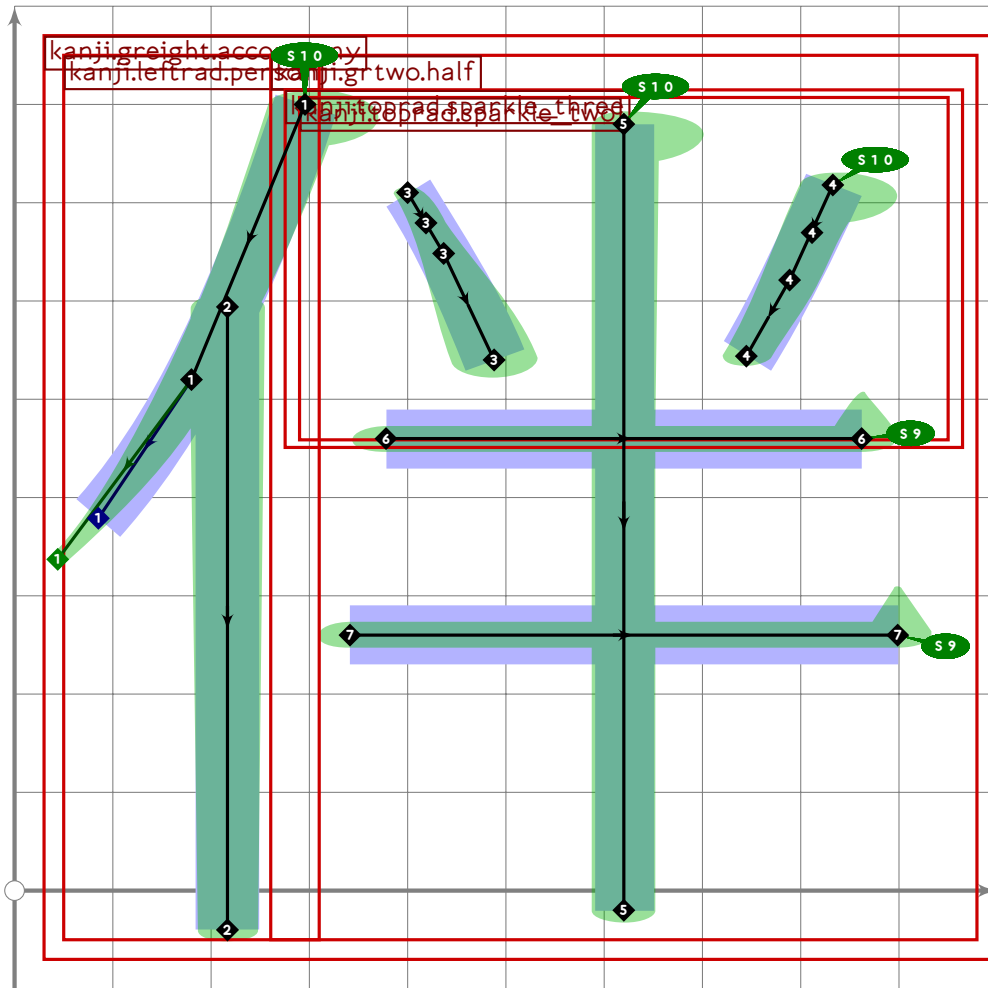
4F



```

187
188 vardef kanji.grsix.offer =
189   push_pbox_toexpand("kanji.grsix.offer");
190   build_kanji.lr(300,20)
191     (kanji.leftrad.person)
192     (kanji.grfourtogether);
193   expand_pbox;
194 enddef;
195
196

```



4F

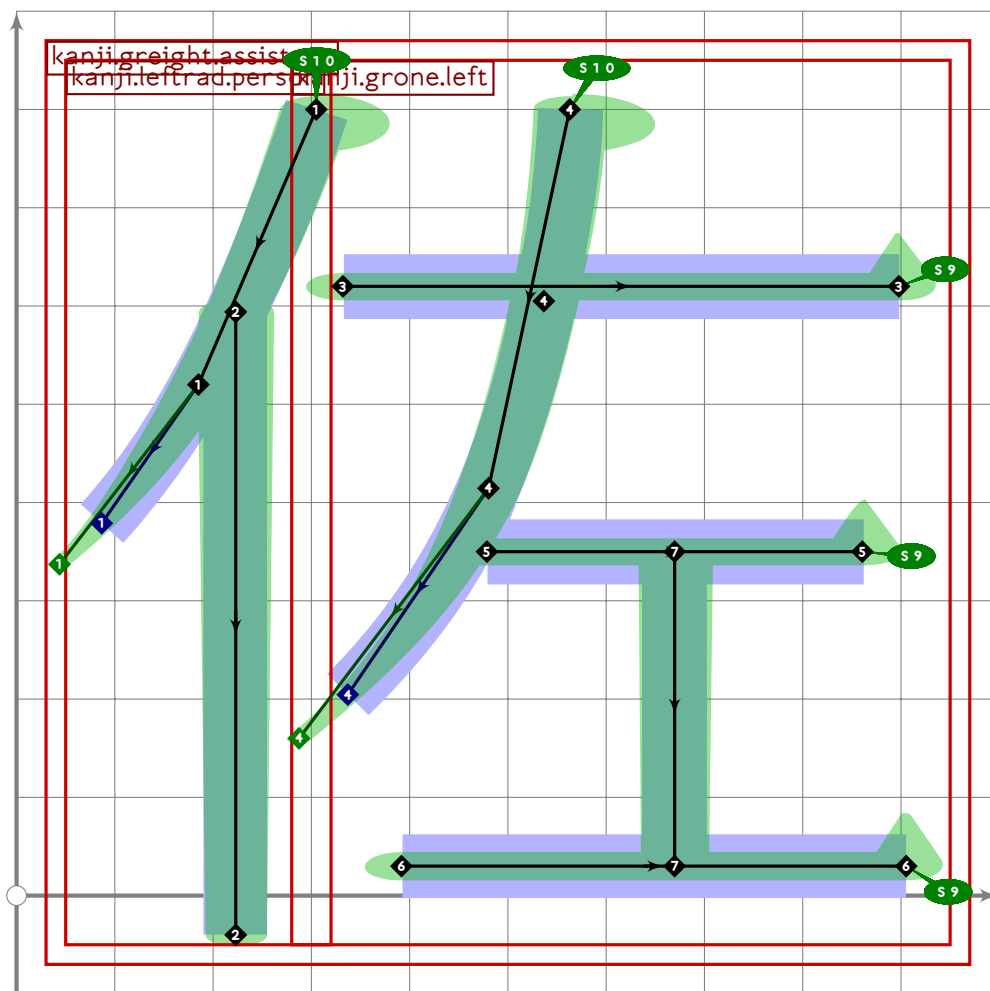
```

197
198 vardef kanji.greight.accompany =
199   push_pbox_toexpand("kanji.greight.accompany");
200   build_kanji.lr(300,20)
201     (kanji.leftrad.person)
202     (kanji.grtwo.half);
203   expand_pbox;
204 enddef;

```

U+4F50
tsuku.uni4F50

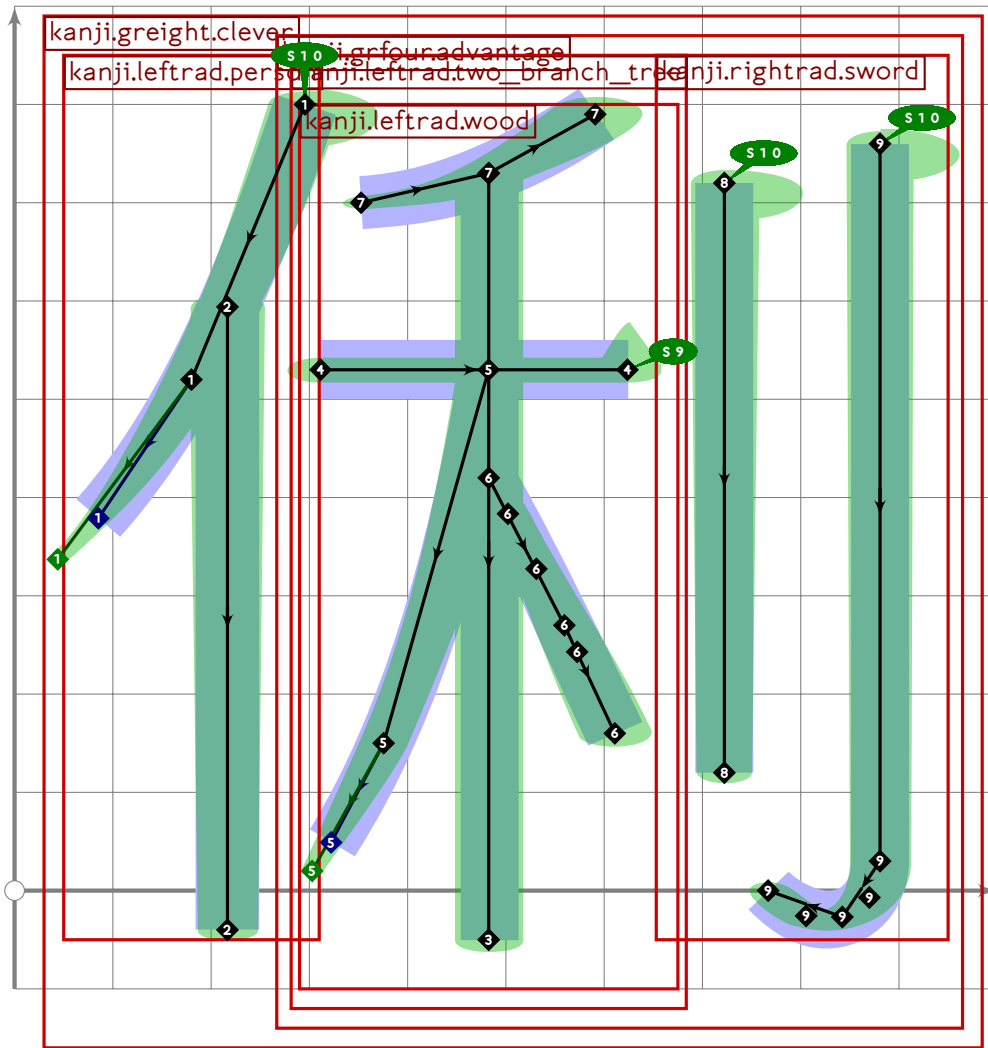
4F



```

205
206 vardef kanji.greight.assistant =
207   push_pbox_toexpand("kanji.greight.assistant");
208   build_kanji.lr(300,40)
209     (kanji.leftrad.person)
210     (kanji.grone.left);
211   expand_pbox;
212 enddef;

```



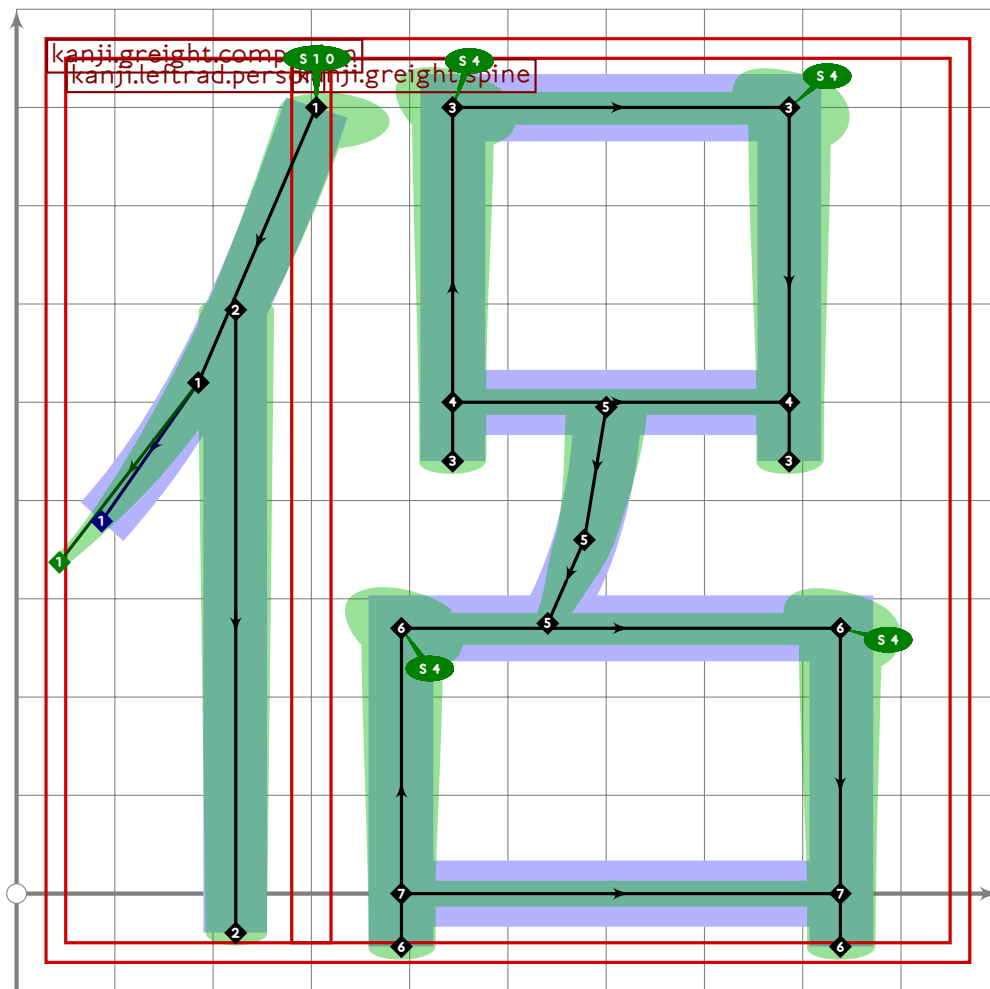
```

213
214 vardef kanji.greight.clever =
215   push_pbox_toexpand("kanji.greight.clever");
216   build_kanji.lr(300,20)
217     (kanji.leftrad.person)
218     (kanji.grfour.advantage);
219   expand_pbox;
220 enddef;

```


U+4FB6
tsuku.uni4FB6

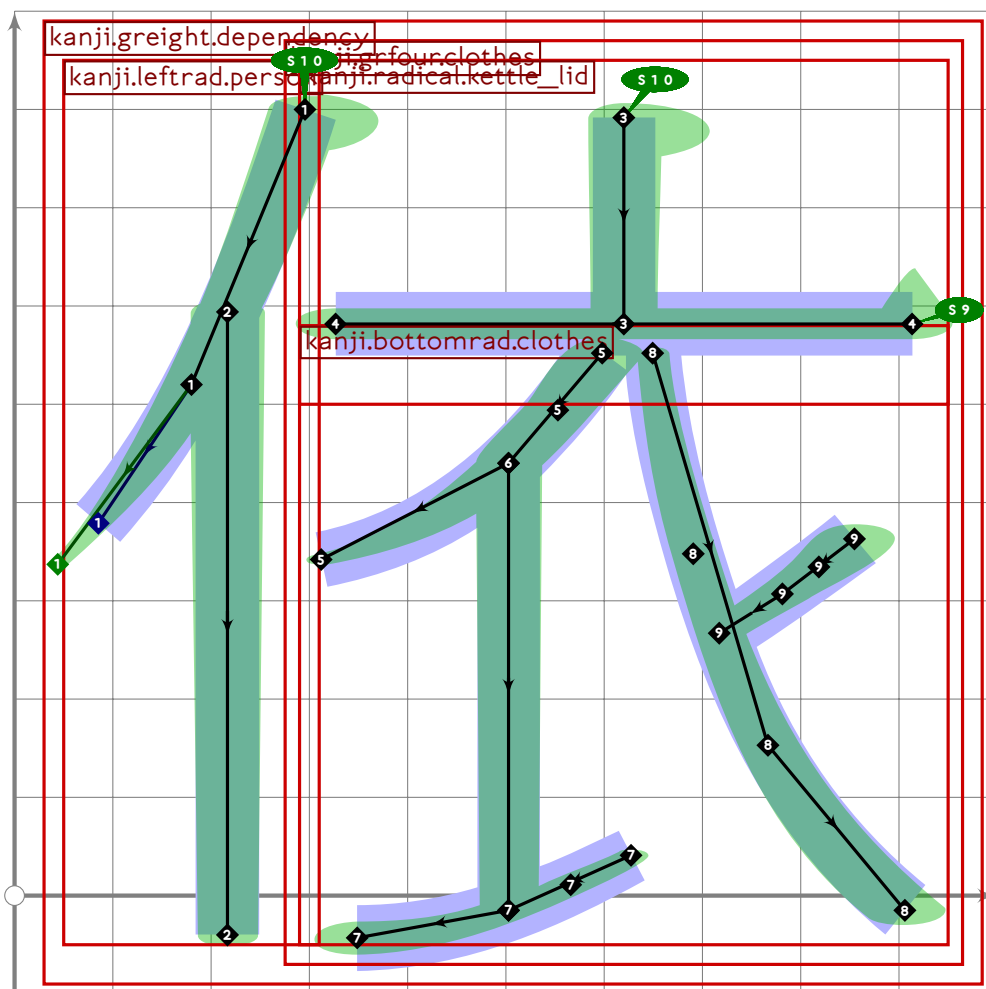
4F



```

221
222 vardef kanji.greight.companion =
223   push_pbox_toexpand("kanji.greight.companion");
224   build_kanji.lr(300,40)
225     (kanji.leftrad.person)
226     (kanji.greight.spine);
227   expand_pbox;
228 enddef;

```



4F

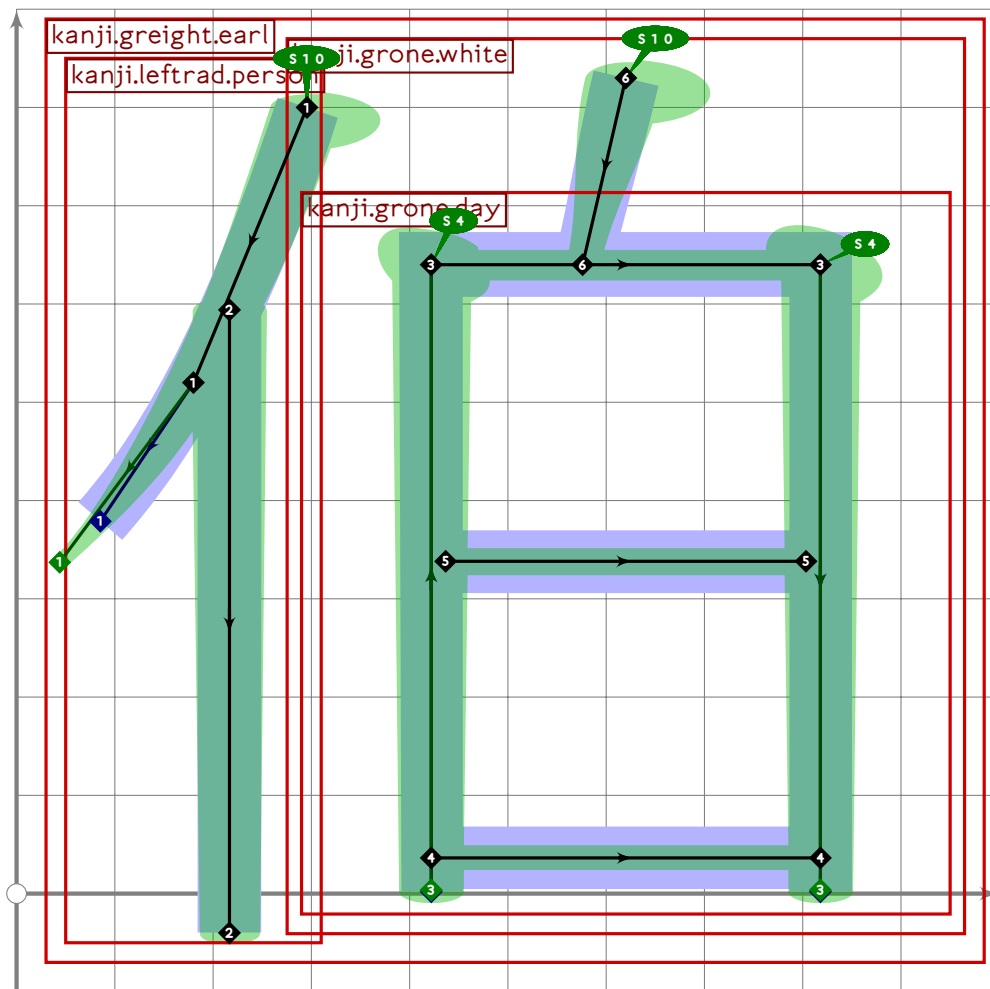
```

229
230 vardef kanji.greight.dependency =
231   push_pbox_toexpand("kanji.greight.dependency");
232   build_kanji.lr(300,20)
233     (kanji.leftrad.person)
234     (kanji.grfour.clothes);
235   expand_pbox;
236 enddef;

```

U+4F2F
tsuku.uni4F2F

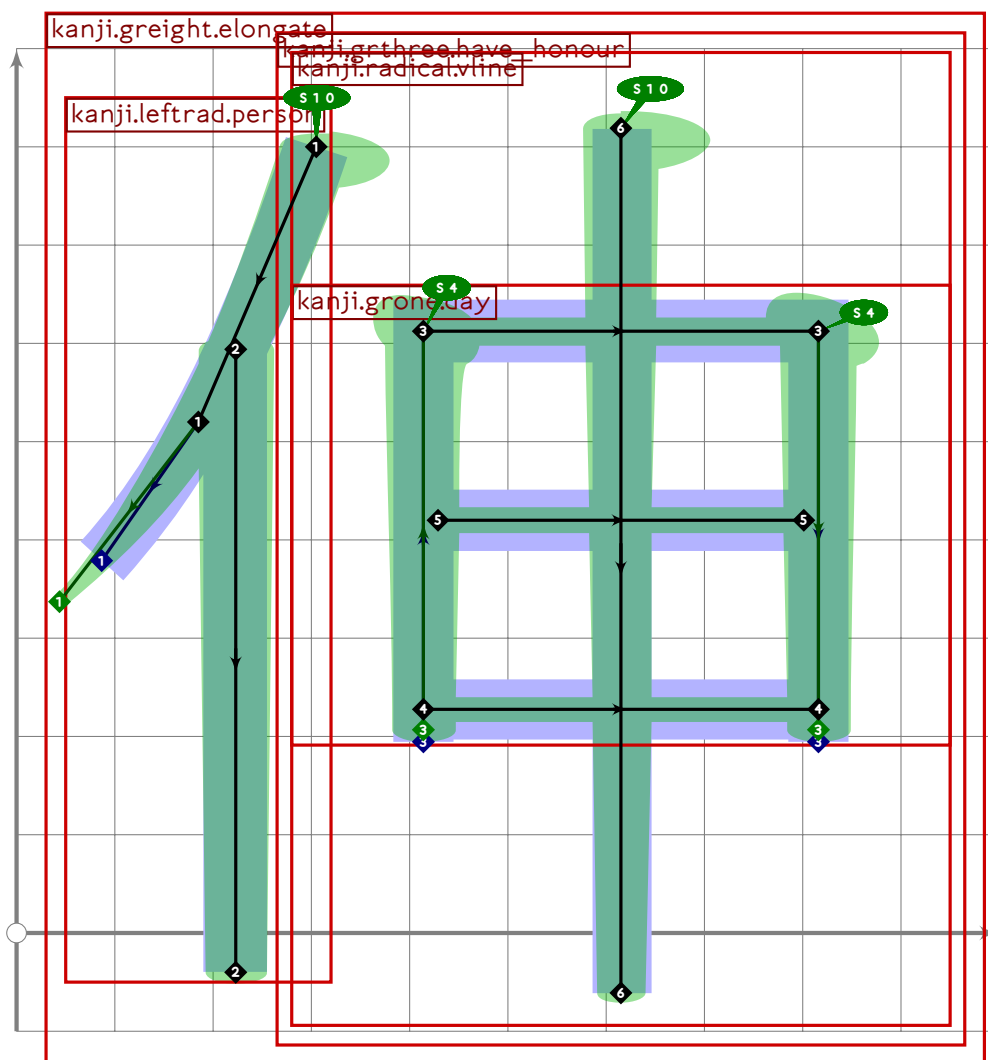
4F



```

237
238 vardef kanji.greight.earl =
239   push_pbox_toexpand("kanji.greight.earl");
240   build_kanji.lr(300,20)
241     (kanji.leftrad.person)
242     (build_kanji.sscale(shifted (0,20))(kanji.grone.white));
243   expand_pbox;
244 enddef;

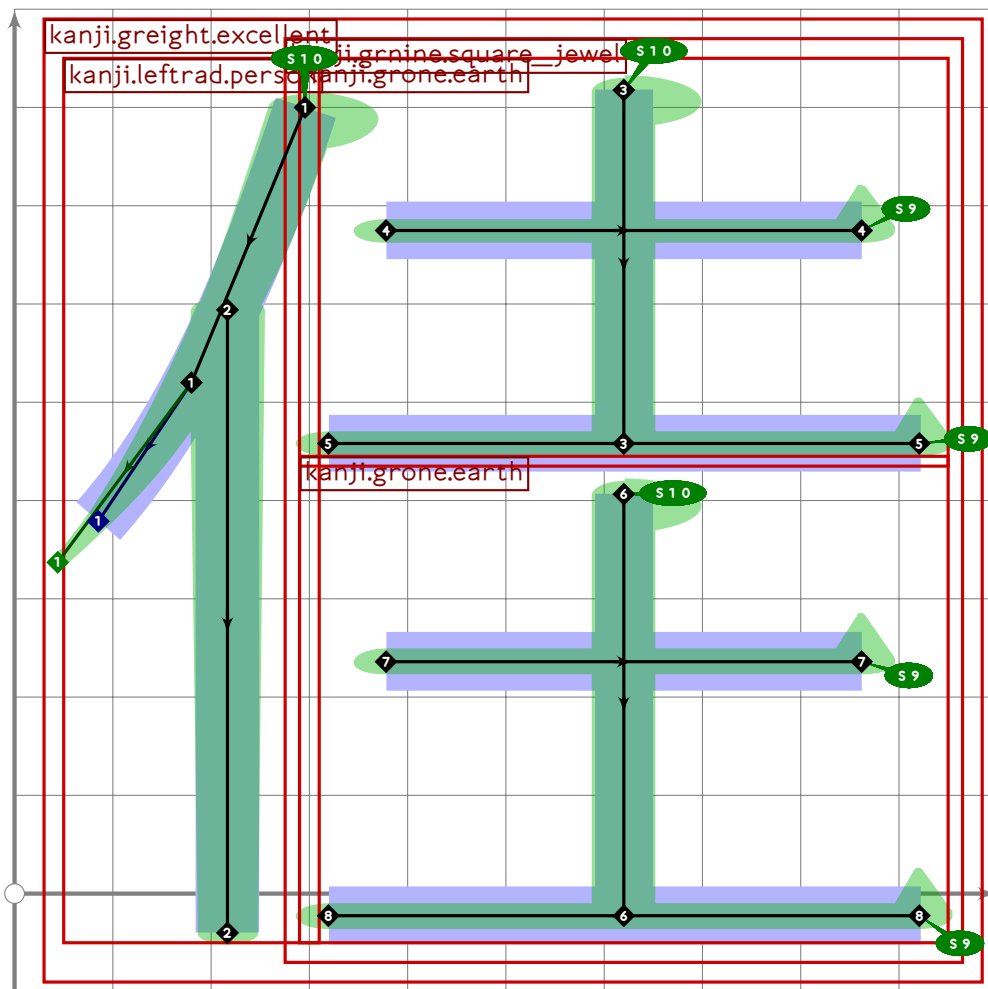
```



```

245
246 vardef kanji.greight.elongate =
247   push_pbox_toexpand("kanji.greight.elongate");
248   build_kanji.lr(300,40)
249   (kanji.leftrad.person)
250   (kanji.grthree.have_honour);
251   expand_pbox;
252 enddef;

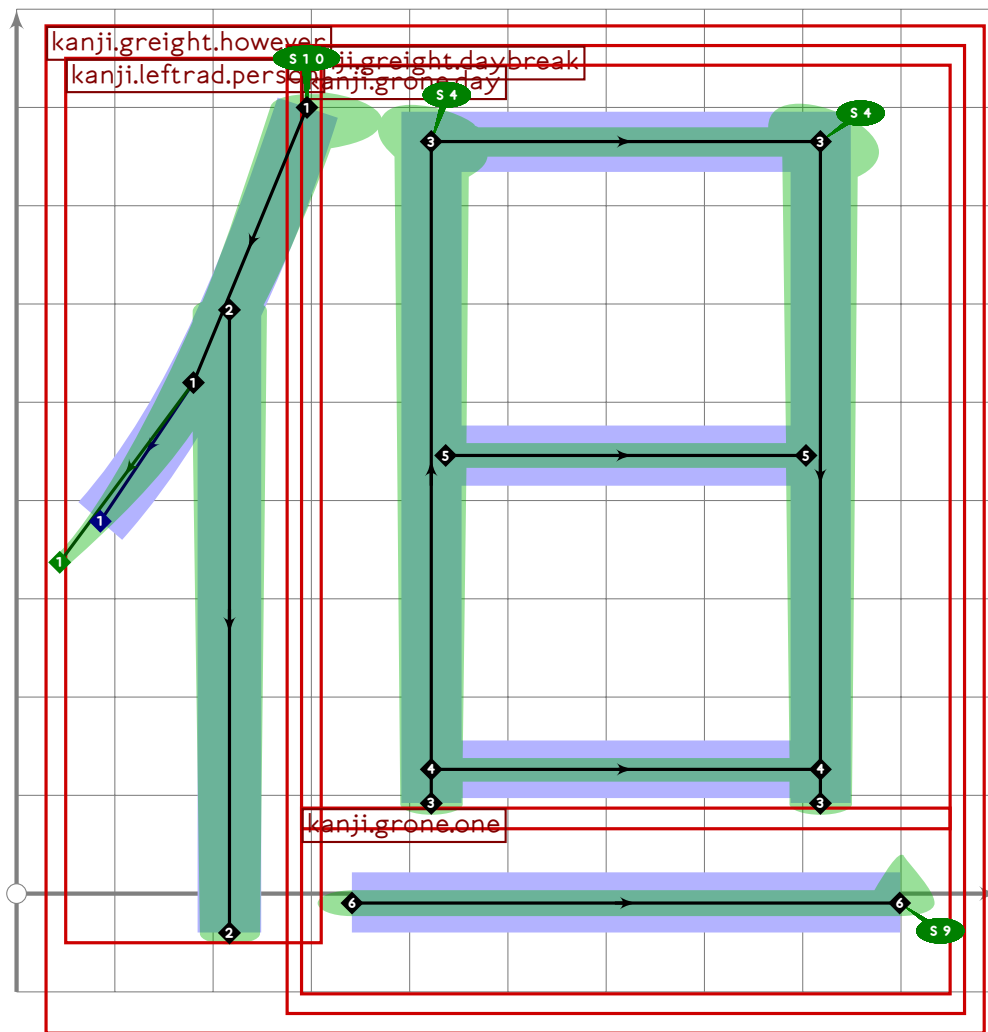
```



```

253
254 vardef kanji.greight.excellent =
255   push_pbox_toexpand("kanji.greight.excellent");
256   build_kanji.lr(300,20)
257     (kanji.leftrad.person)
258     (kanji.grnine.square_jewel);
259   expand_pbox;
260 enddef;

```



4F

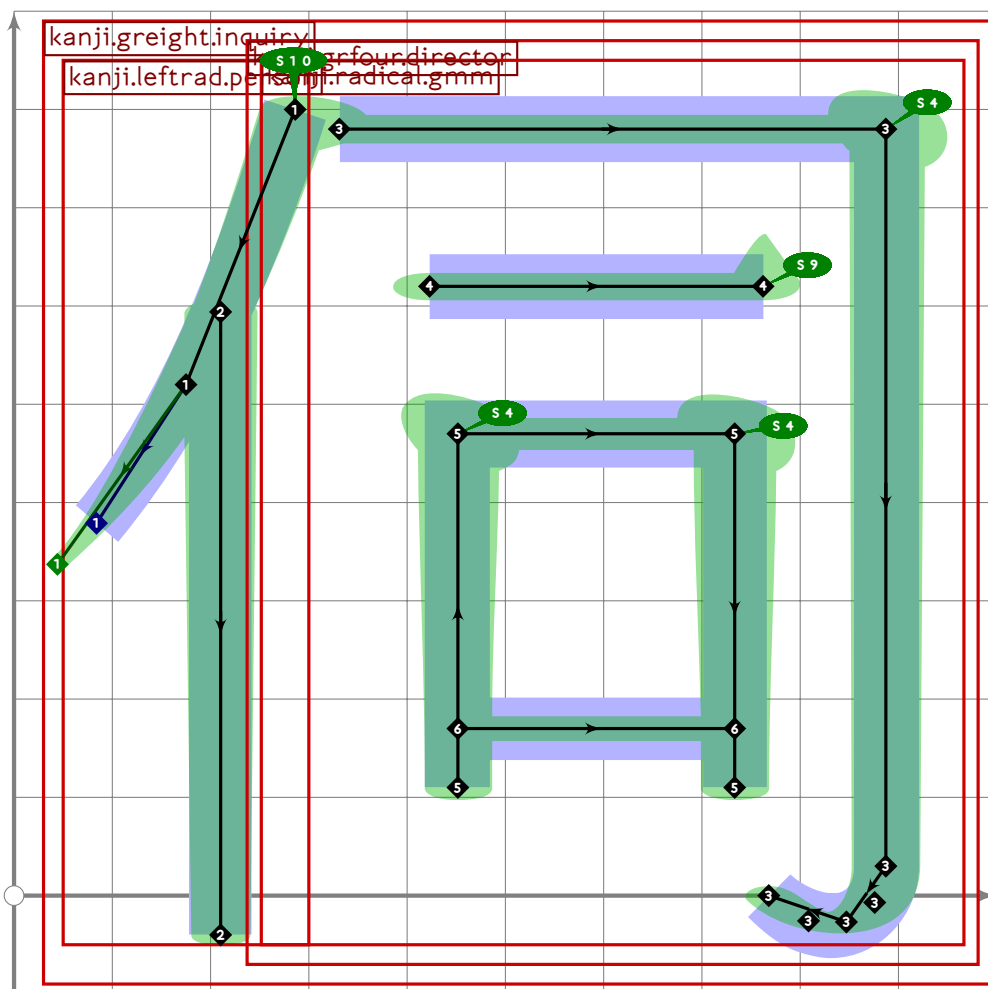
```

261
262 vardef kanji.greight.however =
263   push_pbox_toexpand("kanji.greight.however");
264   build_kanji.lr(300,20)
265     (kanji.leftrad.person)
266     (kanji.greight.daybreak);
267   expand_pbox;
268 enddef;

```

U+4F3A
tsuku.uni4F3A

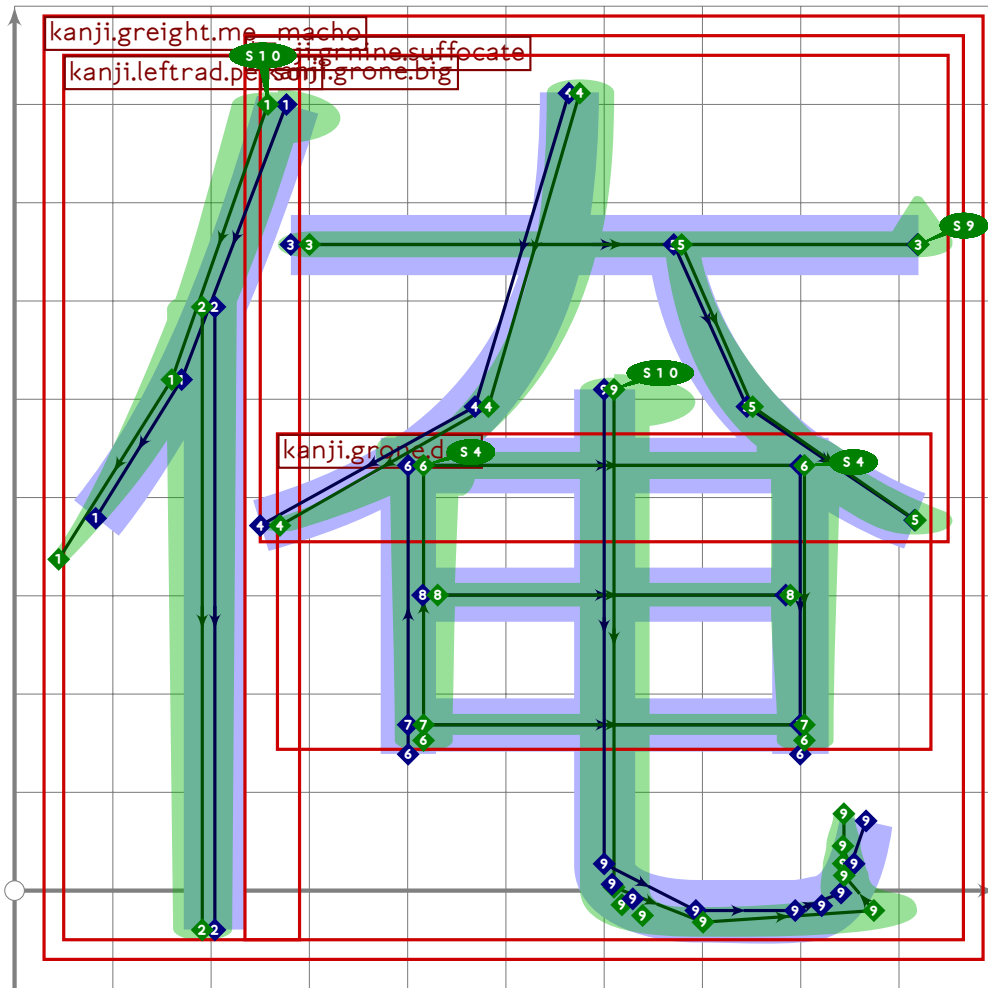
4F



```

269
270 vardef kanji.greight.inquiry =
271   push_pbox_toexpand("kanji.greight.inquiry");
272   build_kanji.lr(300,0)
273     (kanji.leftrad.person)
274     (kanji.grfour.director);
275   expand_pbox;
276 enddef;

```



4F

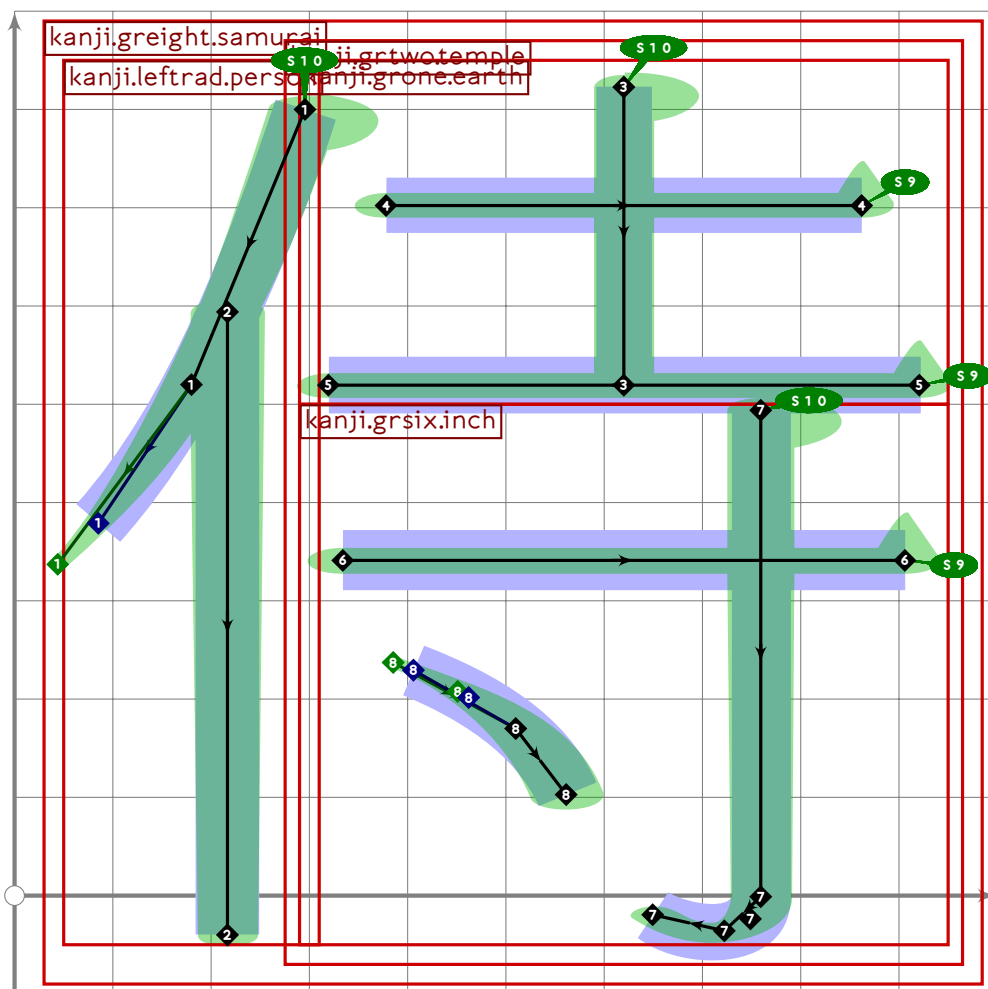
```

277
278 vardef kanji.greight.me_macho =
279   push_pbox_toexpand("kanji.greight.me_macho");
280   build_kanji.lr(270,40*(1-mincho))
281     (kanji.leftrad.person)
282     (kanji.grnine.suffocate);
283   expand_pbox;
284 enddef;

```


U+4F8D
tsuku.uni4F8D

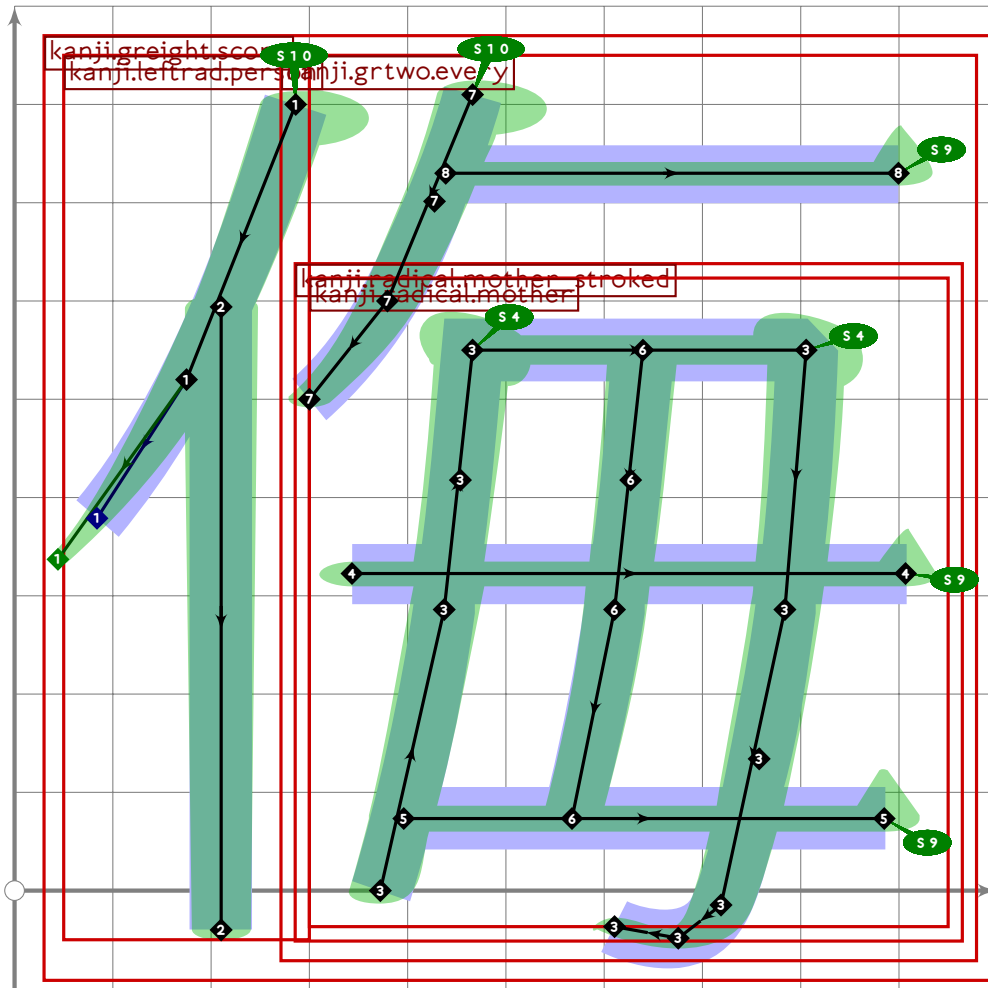
4F



```

285
286 vardef kanji.greight.samurai =
287   push_pbox_toexpand("kanji.greight.samurai");
288   build_kanji.lr(300,20)
289     (kanji.leftrad.person)
290     (kanji.grtwo.temple);
291   expand_pbox;
292 enddef;

```



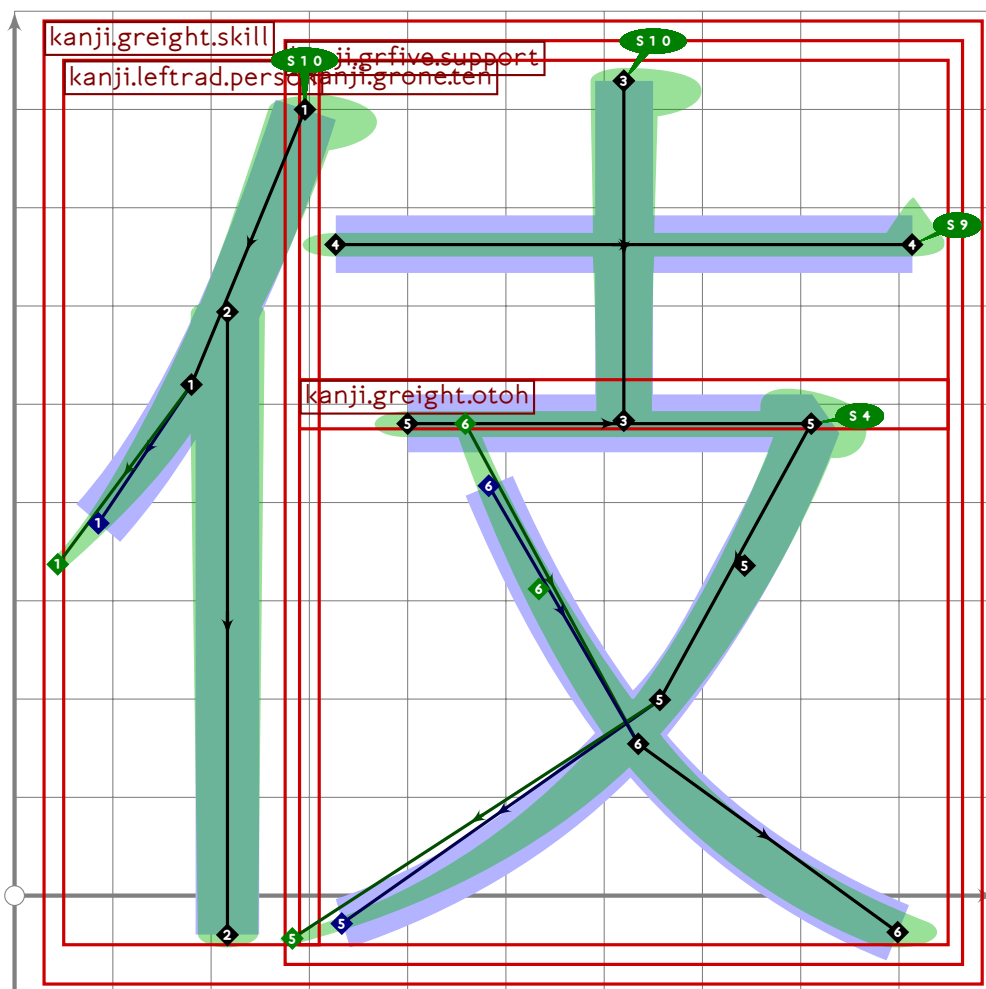
```

293
294 vardef kanji.greight.scor =
295   push_pbox_toexpand("kanji.greight.scor");
296   build_kanji.lr(300,0)
297     (kanji.leftrad.person)
298     (kanji.grtwo.every);
299   expand_pbox;
300 enddef;

```

U+4F0E
tsuku.uni4F0E

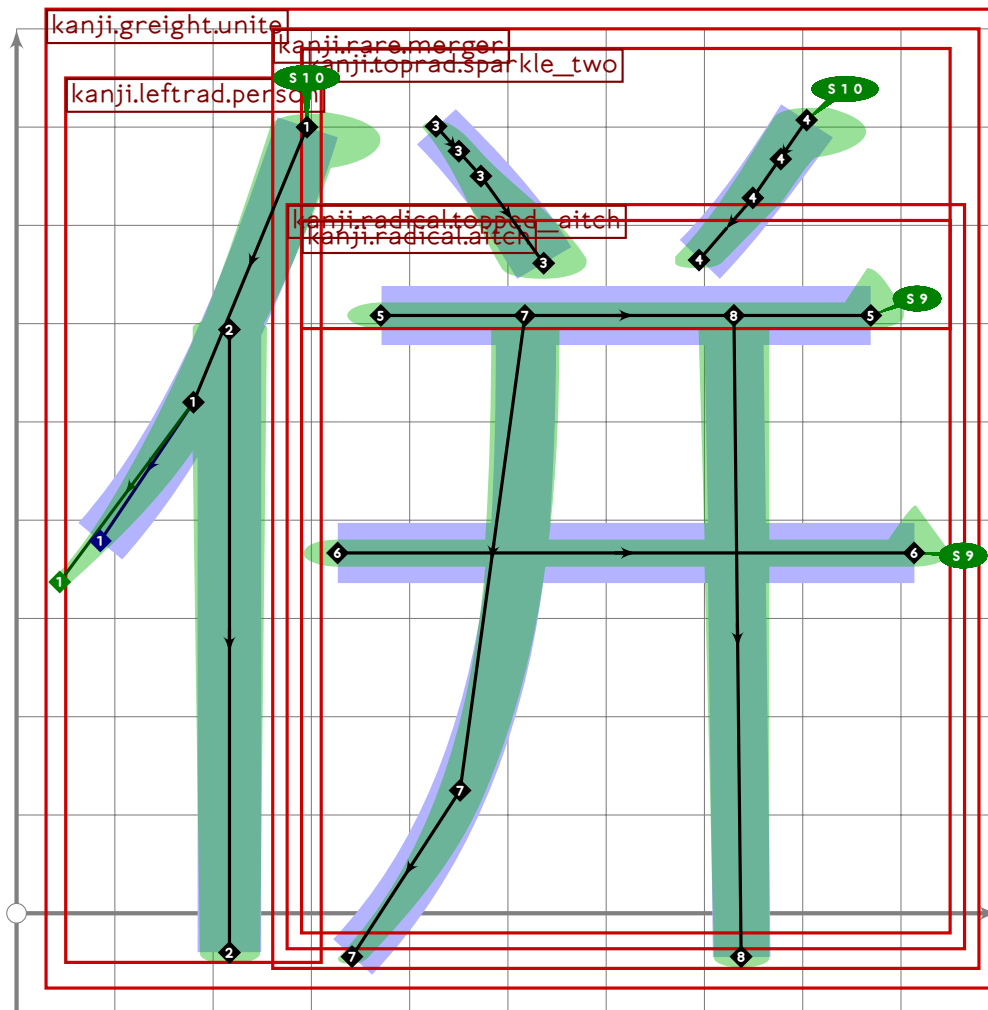
4F



```

301
302 vardef kanji.greight.skill =
303   push_pbox_toexpand("kanji.greight.skill");
304   build_kanji.lr(300,20)
305     (kanji.leftrad.person)
306     (kanji.grfive.support);
307   expand_pbox;
308 enddef;

```



4F

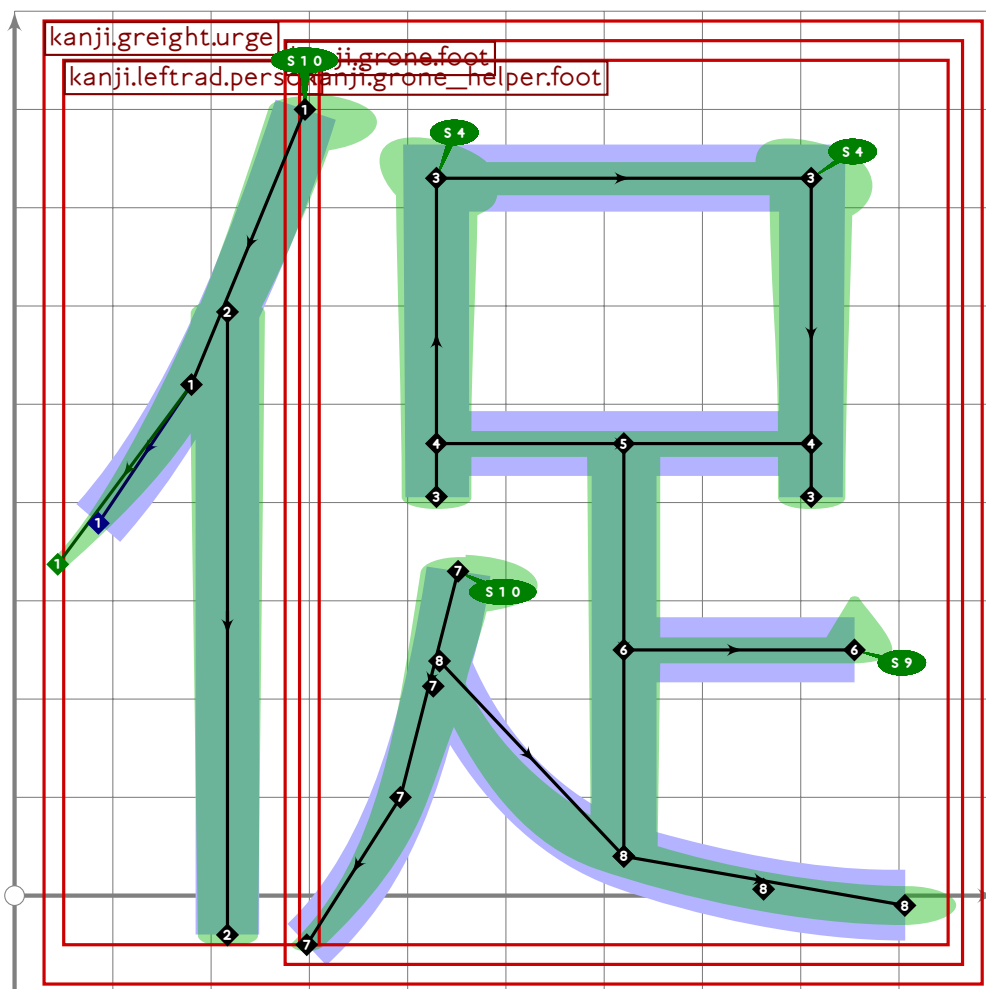
```

309
310 vardef kanji.greight.unite =
311   push_pbox_toexpand("kanji.greight.unite");
312   build_kanji.lr(300,20)
313     (kanji.leftrad.person)
314     (build_kanji.sscale(shifted (0,30))(kanji.rare.merger));
315   expand_pbox;
316 enddef;

```

U+4FC3
tsuku.uni4FC3

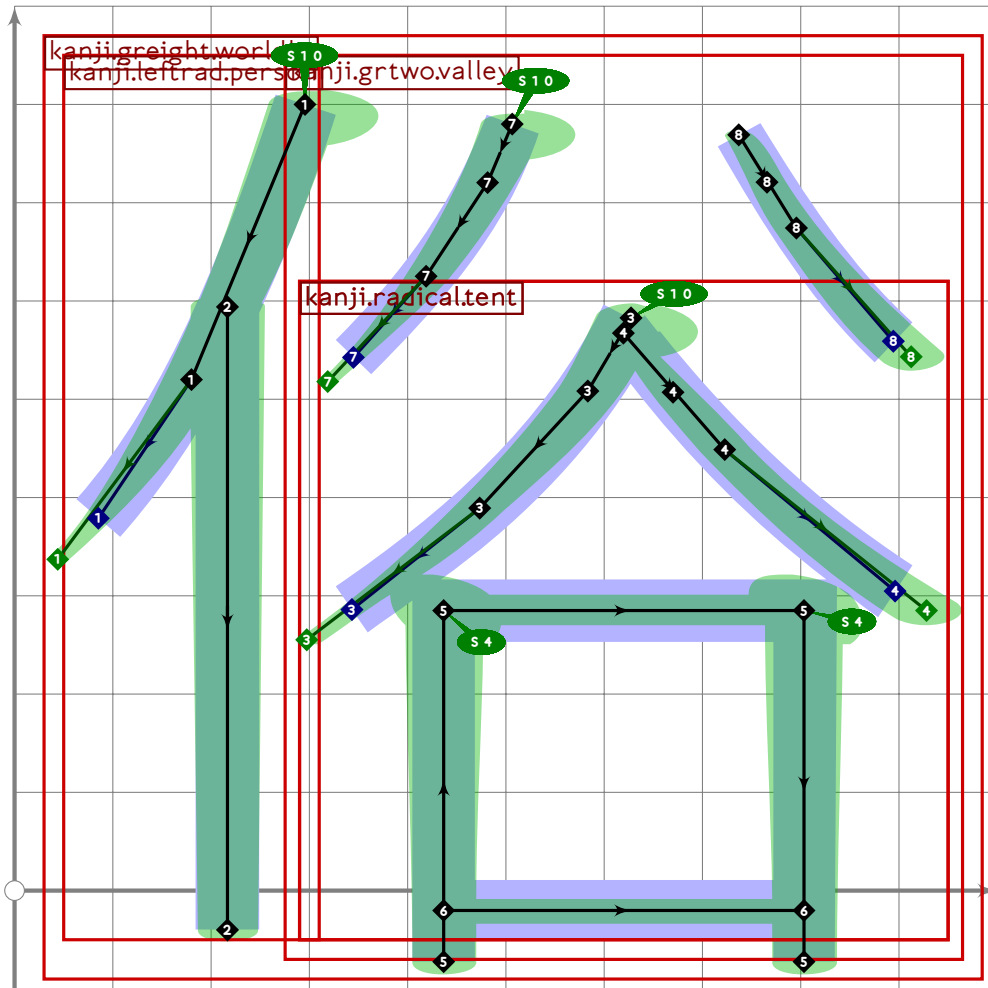
4F



```

317
318 vardef kanji.greight.urge =
319   push_pbox_toexpand("kanji.greight.urge");
320   build_kanji.lr(300,20)
321     (kanji.leftrad.person)
322     (kanji.grone.foot);
323   expand_pbox;
324 enddef;

```



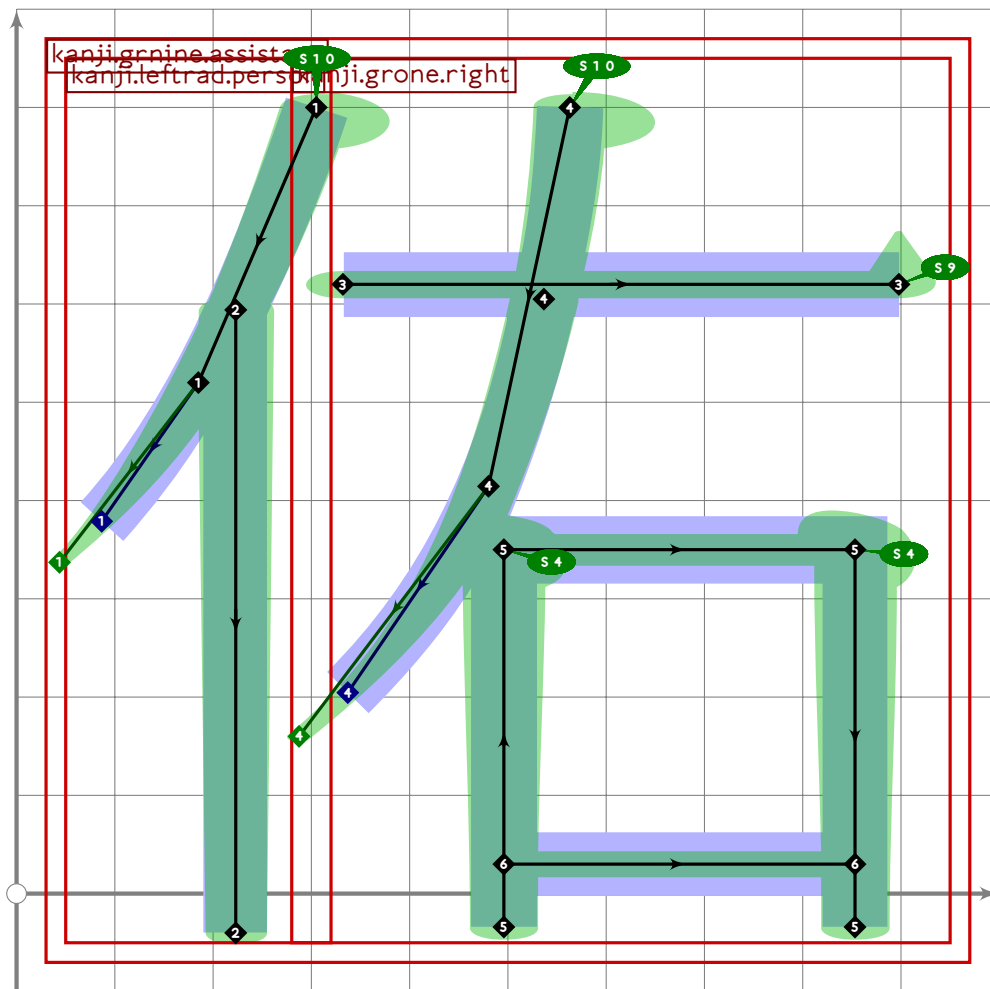
```

325
326 vardef kanji.greight.worldly =
327   push_pbox_toexpand("kanji.greight.worldly");
328   build_kanji.lr(300,20)
329   (kanji.leftrad.person)
330   (kanji.grtwo.valley);
331   expand_pbox;
332 enddef;
333
334

```

U+4F51
tsuku.uni4F51

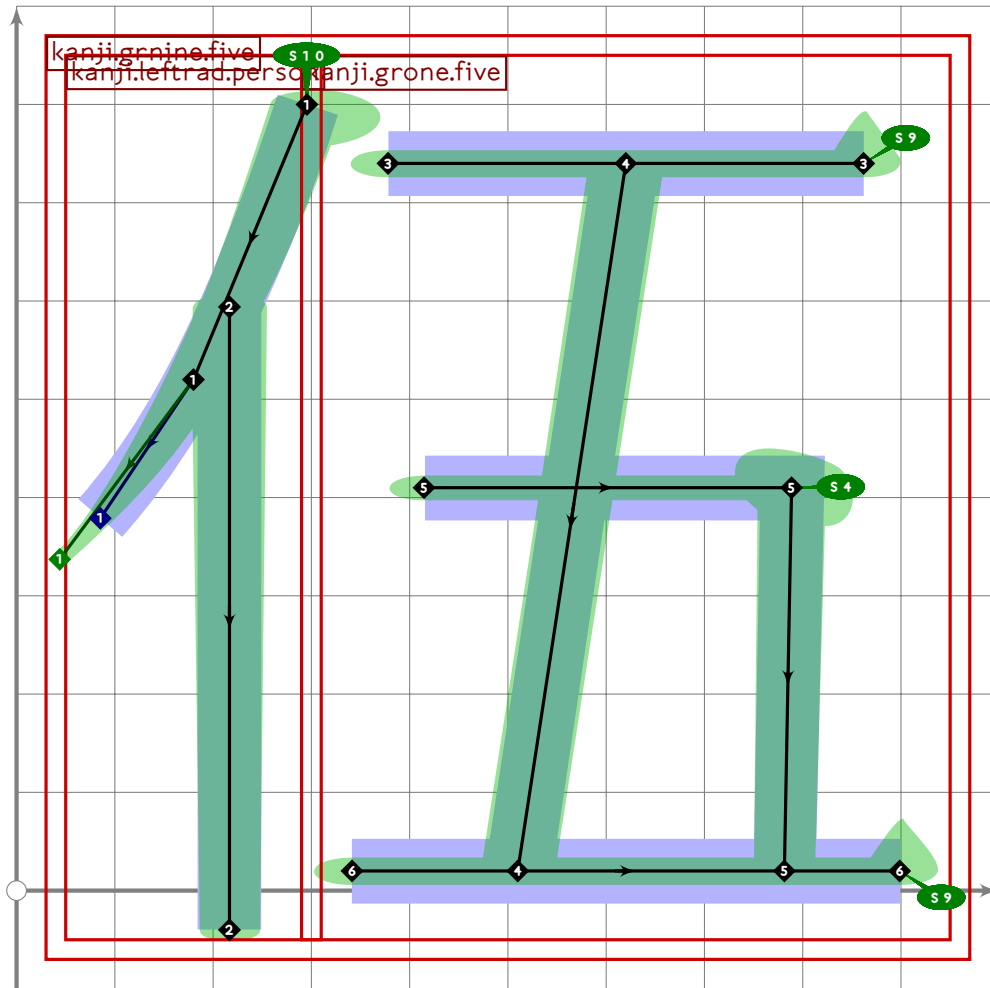
4F



```

335
336 vardef kanji.grnine.assistant =
337   push_pbox_toexpand("kanji.grnine.assistant");
338   build_kanji.lr(300,40)
339     (kanji.leftrad.person)
340     (kanji.grnine.right);
341   expand_pbox;
342 enddef;

```



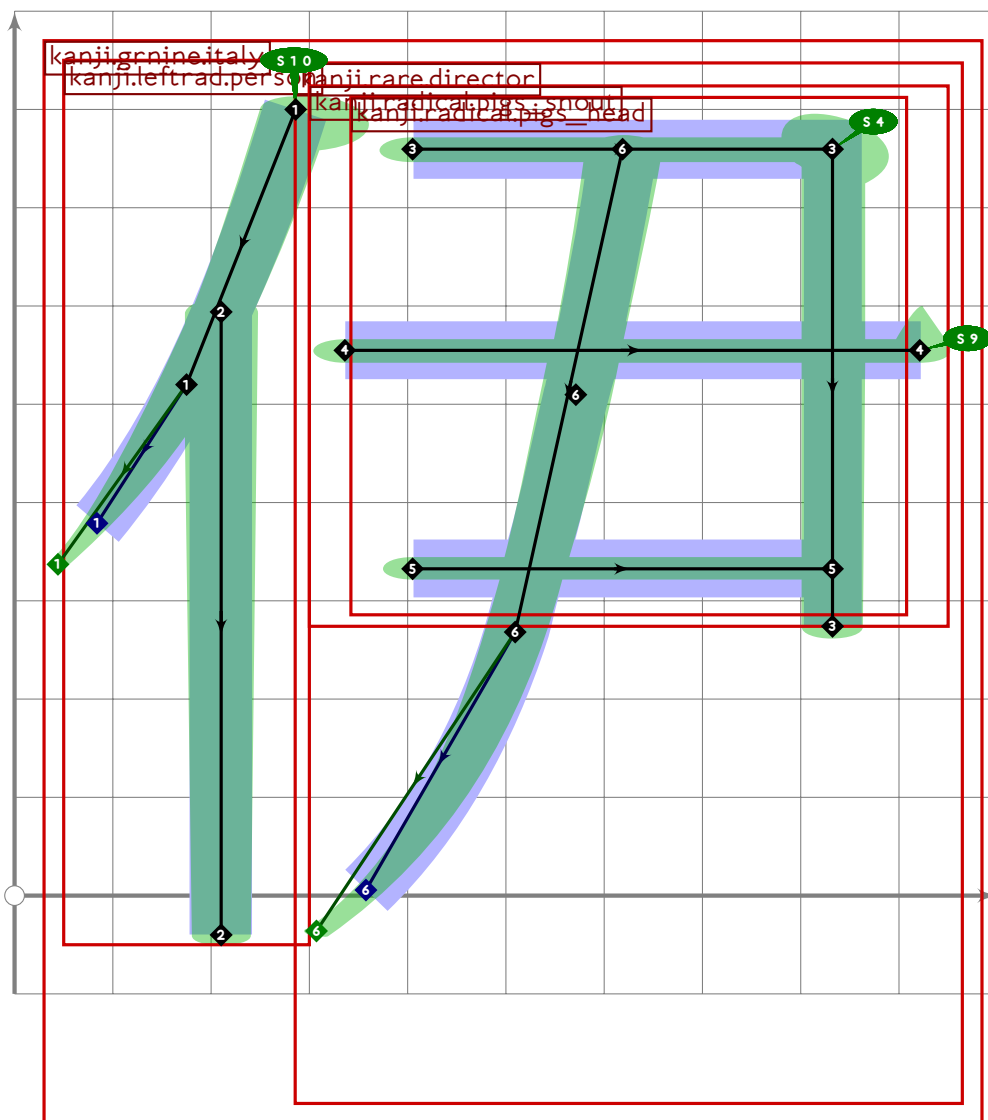
```

343
344 vardef kanji.grnine.five =
345   push_pbox_toexpand("kanji.grnine.five");
346   build_kanji.lr(300,20)
347     (kanji.leftrad.person)
348     (kanji.grone.five);
349   expand_pbox;
350 enddef;

```


U+4F0A
tsuku.uni4F0A

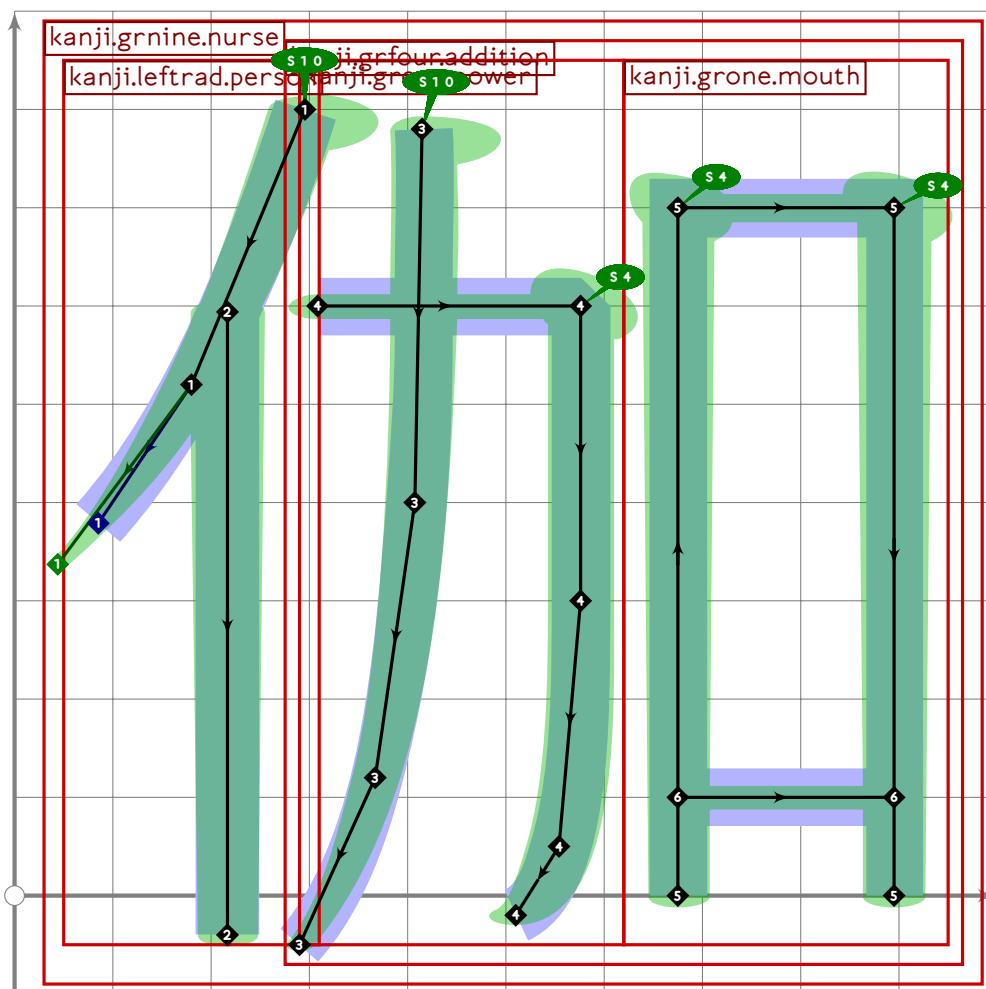
4F



```

351
352 vardef kanji.grnine.italy =
353   push_pbox_toexpand("kanji.grnine.italy");
354   build_kanji.lr(300,0)
355     (kanji.leftrad.person)
356     (tsu_xform(identity shifted (0,900) yscaled 1.17 shifted (0,900))
357       (kanji.rare.director));
358   expand_pbox;
359 enddef;

```



4F

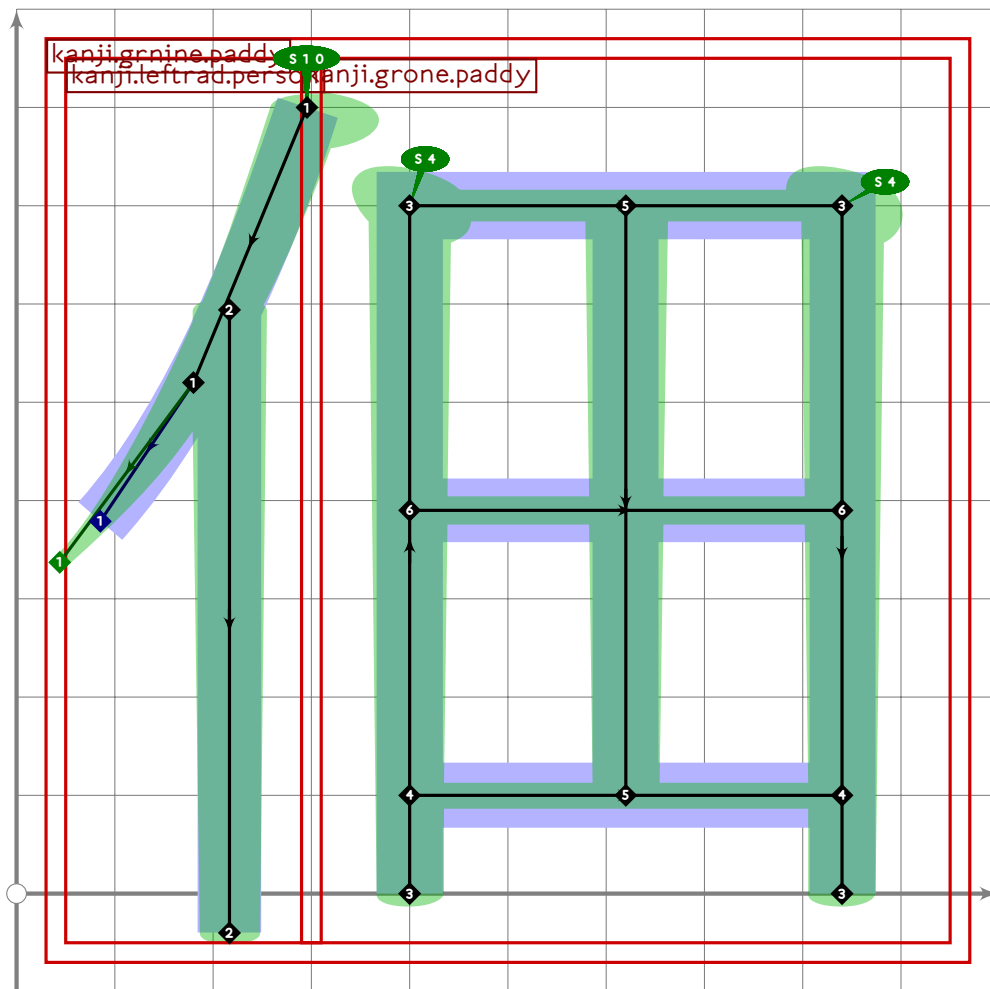
```

360
361 vardef kanji.grnine.nurse =
362   push_pbox_toexpand("kanji.grnine.nurse");
363   build_kanji.lr(300,20)
364     (kanji.leftrad.person)
365     (kanji.grfour.addition);
366   expand_pbox;
367 enddef;

```

U+4F43
tsuku.uni4F43

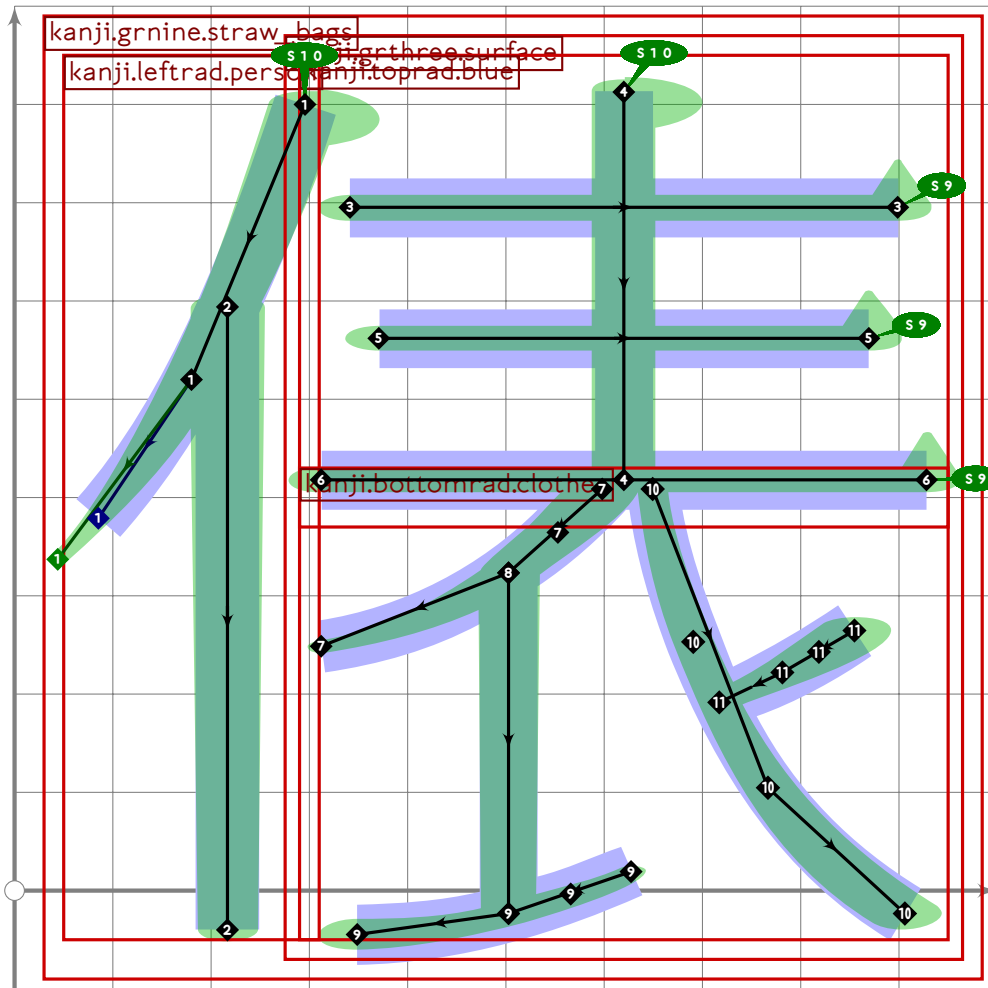
4F



```

368
369 vardef kanji.grnine.paddy =
370   push_pbox_toexpand("kanji.grnine.paddy");
371   build_kanji.lr(300,20)
372     (kanji.leftrad,perso)
373     (kanji.grnine.paddy);
374   expand_pbox;
375 enddef;

```

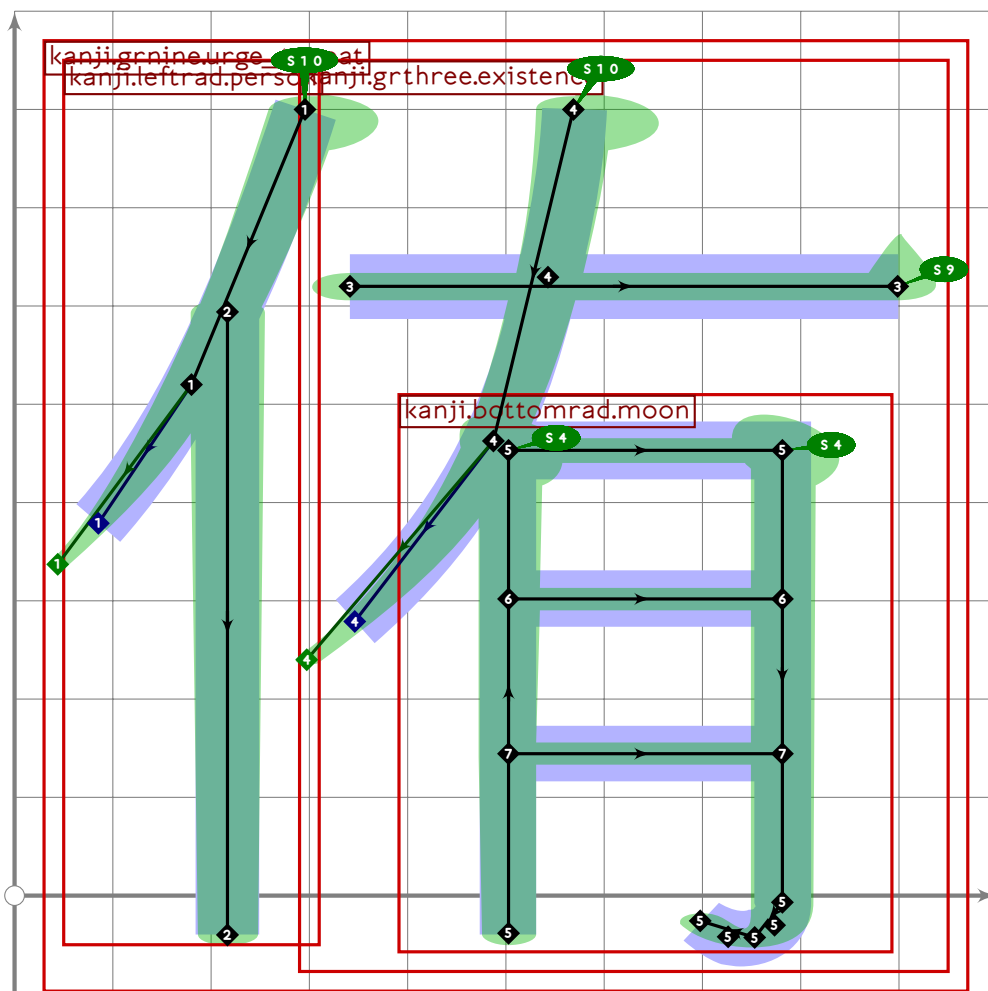


```

376
377 vardef kanji.grnine.straw_bags =
378   push_pbox_toexpand("kanji.grnine.straw_bags");
379   build_kanji.lr(300,20)
380     (kanji.leftrad.person)
381     (kanji.grthree.surface);
382   expand_pbox;
383 enddef;

```

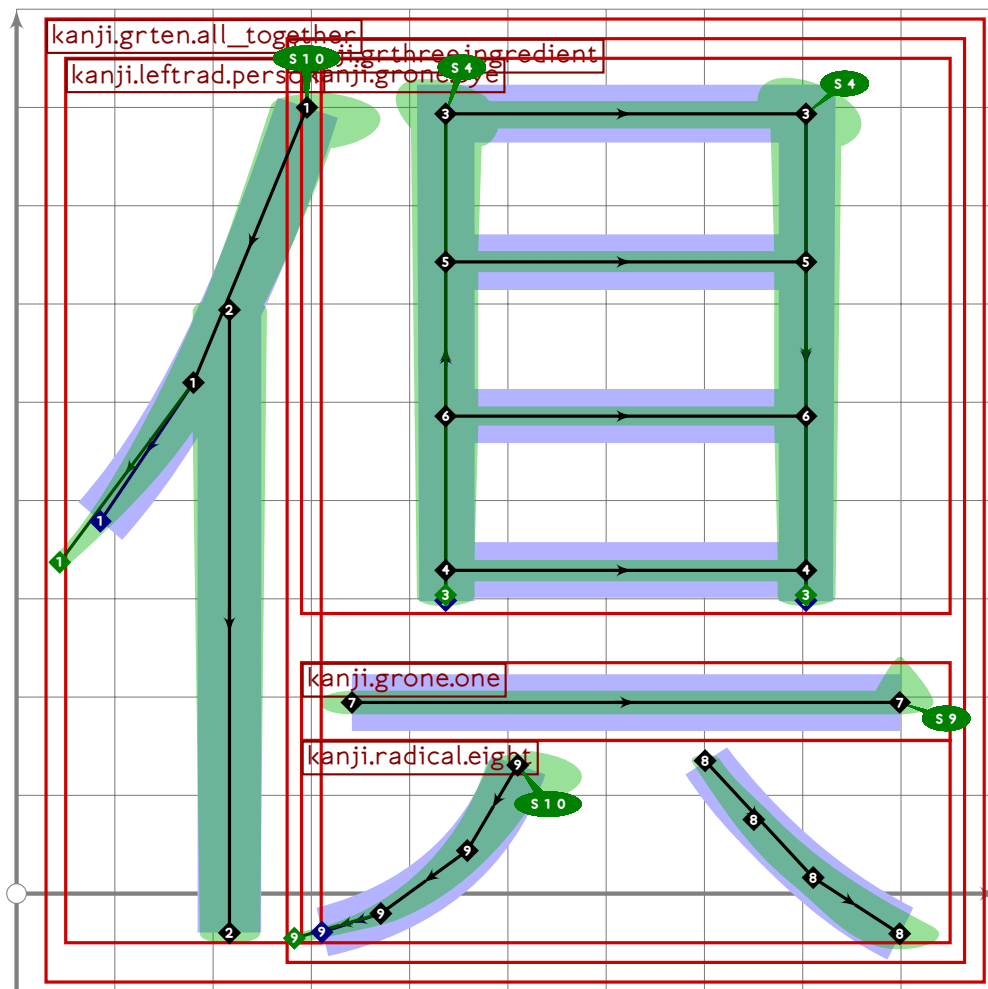
4F



```

384
385 vardef kanji.grnine.urge_to_eat =
386   push_pbox_toexpand("kanji.grnine.urge_to_eat");
387   build_kanji.lr(300,20)
388     (kanji.leftrad.person)
389     (kanji.grthree.existence);
390   expand_pbox;
391 enddef;
392
393

```



```

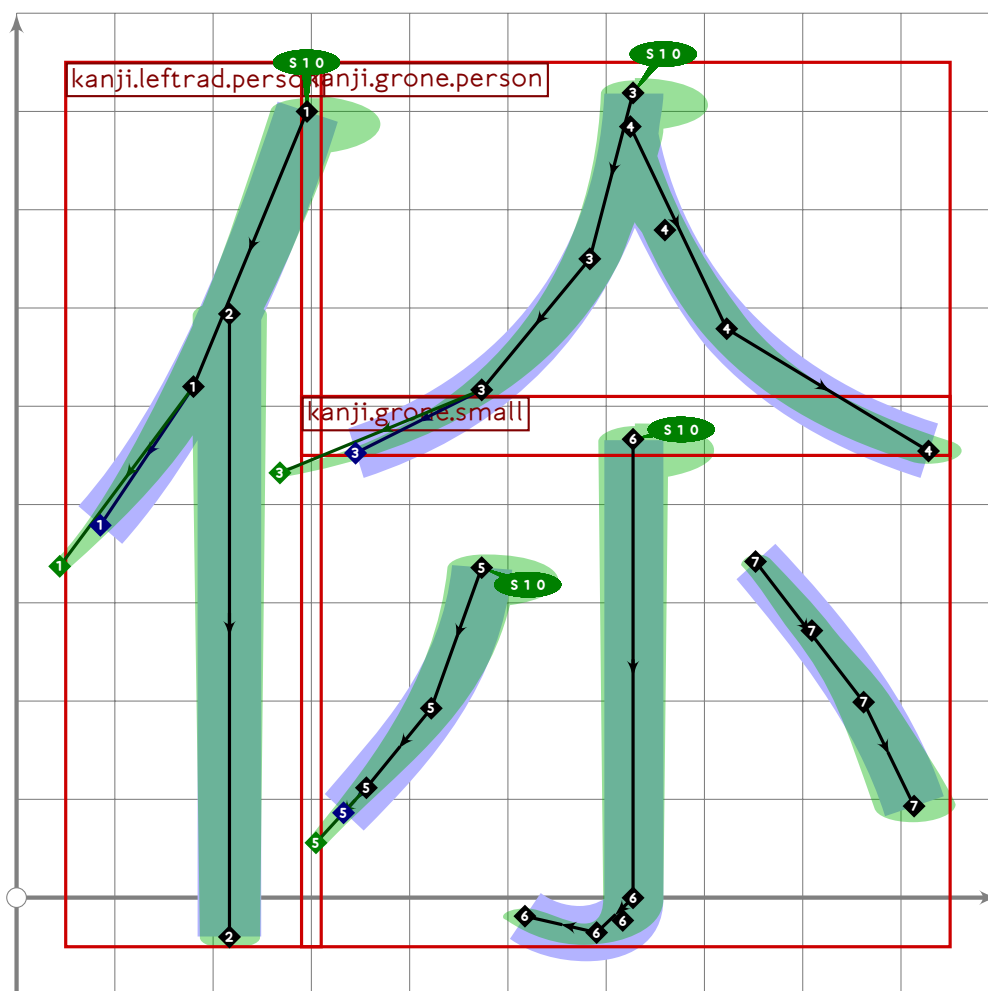
394
395 vardef kanji.grten.all_together =
396   push_pbox_toexpand("kanji.grten.all_together");
397   build_kanji.lr(300,20)
398     (kanji.leftrad.person)
399     (kanji.grthree.ingredient);
400   expand_pbox;
401 enddef;
402
403
404
405 % i/kare "Italy"
406 begintsuglyph("uni4F0A";10);
407   kanji.grnine.italy;
408   tsu_render;
409 endtsuglyph;
410
411 % go/itsutsu "five"
412 begintsuglyph("uni4F0D";13);
413   kanji.grnine.five;
414   tsu_render;

```

[see page 2042]

[see page 2041]

415 endtsuglyph;
 416
 417 % gi/waza "skill"
 418 begintsuglyph("uni4F0E";14); [see page 2036]
 419 kanji.greight.skill;
 420 tsu_render;
 421 endtsuglyph;
 422
 423 % fuku/fu "prostrate"
 424 begintsuglyph("uni4F0F";15); [see page 921]
 425 kanji.greight.prostrate;
 426 tsu_render;
 427 endtsuglyph;
 428
 429 % batsu/ki "strike"
 430 begintsuglyph("uni4F10";16); [see page 930]
 431 kanji.greight.strike;
 432 tsu_render;
 433 endtsuglyph;
 434
 435 % yasu "vacation"
 436 begintsuglyph("uni4F11";17); [see page 484]
 437 kanji.grone.vacation;
 438 tsu_render;
 439 endtsuglyph;
 440
 441 % kai/a "meet"
 442 begintsuglyph("uni4F1A";26); [see page 542]
 443 kanji.grtwo.meet;
 444 tsu_render;
 445 endtsuglyph;
 446
 447 % den/tsuta "tradition"
 448 begintsuglyph("uni4F1D";29); [see page 2017]
 449 kanji.grfour.tradition;
 450 tsu_render;
 451 endtsuglyph;
 452
 453 % haku "earl"
 454 begintsuglyph("uni4F2F";47); [see page 2028]
 455 kanji.greight.earl;
 456 tsu_render;
 457 endtsuglyph;
 458



```

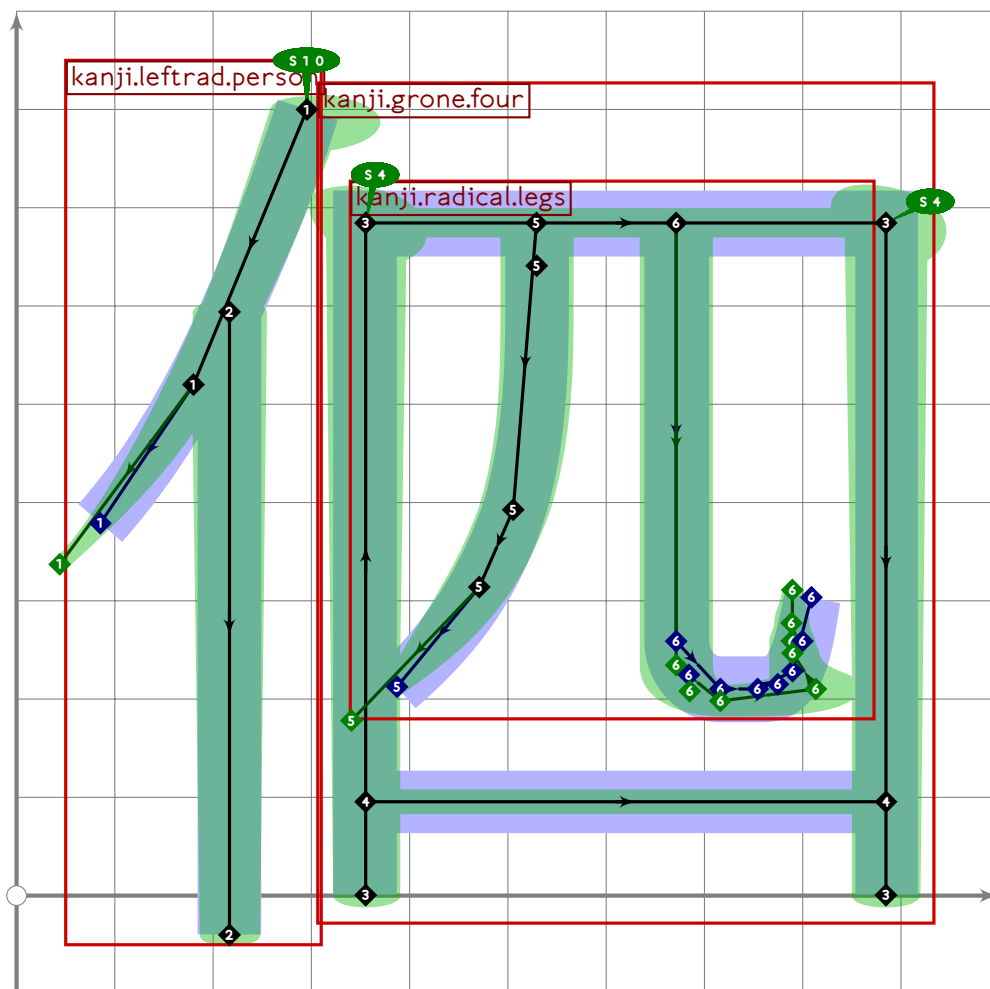
459 % extra
460 begintsuglyph("uni4F31";49);
461   build_kanji.lr(300,20)
462     (kanji.leftrad.person)
463     (build_kanji.tb(480,60)
464       (kanji.grone.person)
465       (kanji.grone.small));
466   tsu_render;
467 endtsuglyph;
468
469 % han/tomona "accompany"
470 begintsuglyph("uni4F34";52);
471   kanji.greight.accompany;
472   tsu_render;
473 endtsuglyph;
474

```

[see page 2023]

U+4F35
tsuku.uni4F35

4F



```

475 % extra
476 begintsuglyph("uni4F35";53);
477   build_kanji.lr(300,20)
478     (kanji.leftrad.person)
479     (build_kanji.sscale(scaled 0.95)(kanji.grone.four));
480   tsu_render;
481 endtsuglyph;

```

```

482
483 % shin/no "elongate"
484 begintsuglyph("uni4F38";56);
485   kanji.greight.elongate;
486   tsu_render;
487 endtsuglyph;

```

[see page 2029]

```

488
489 % shi/ukaga "inquiry"
490 begintsuglyph("uni4F3A";58);
491   kanji.greight.inquiry;
492   tsu_render;
493 endtsuglyph;

```

[see page 2032]

```

494
495 % ji/ni "imitate"

```

[see page 2019]

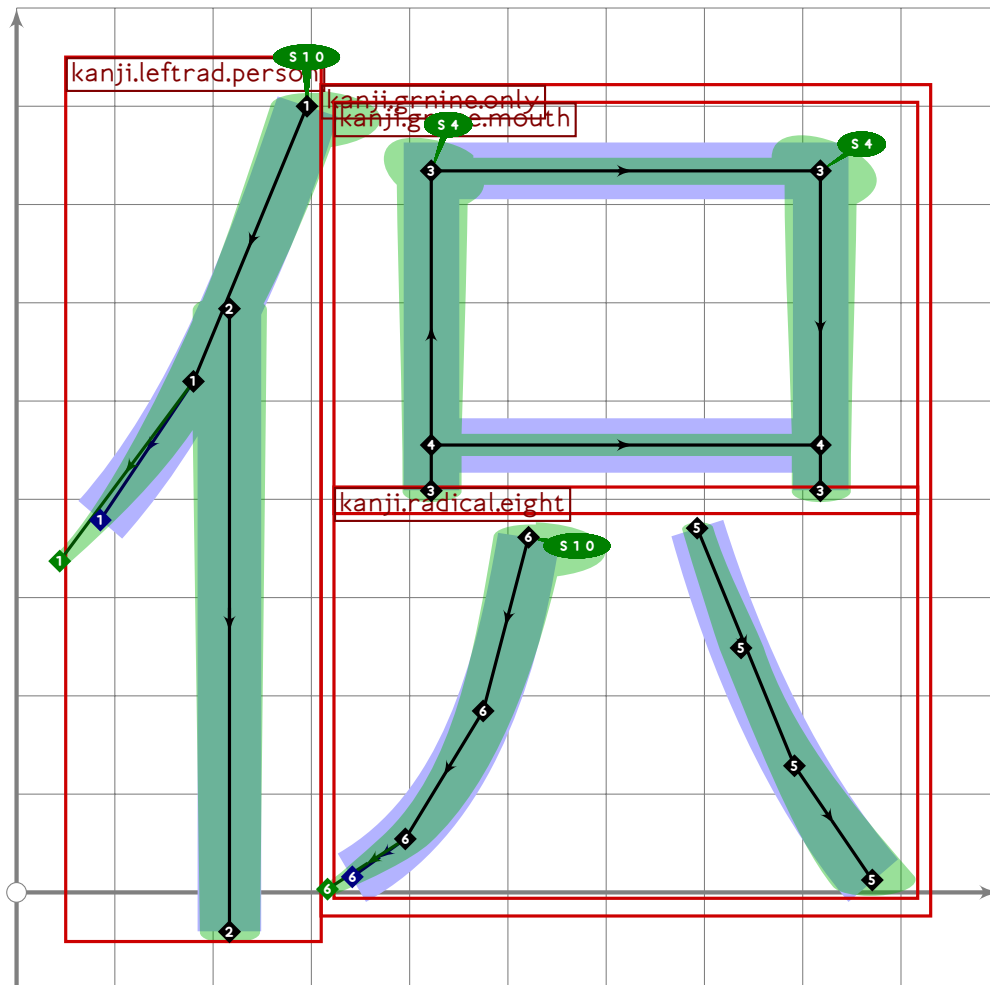
```

496 begintsuglyph("uni4F3C";60);
497   kanji.grfive.imitate;
498   tsu_render;
499 endtsuglyph;
500
501 % ka/togi "nurse"
502 begintsuglyph("uni4F3D";61);
503   kanji.grnine.nurse;
504   tsu_render;
505 endtsuglyph;
506

```

[see page 2043]

4F



```

507 % extra
508 begintsuglyph("uni4F3F";63);
509   build_kanji.lr(300,20)
510     (kanji.leftrad.person)
511     (build_kanji.sscale(scaled 0.9)(kanji.grnine.only));
512   tsu_render;
513 endtsuglyph;
514
515 % ten/tsukuda "cultivated paddy"
516 begintsuglyph("uni4F43";67);

```

[see page 2044]

517 kanji.grnine.paddy;

518 tsu_render;

519 endtsuglyph;

520

521 % tan/tada "however"

522 begintsuglyph("uni4F46";70);

[see page 2031]

523 kanji.greight.however;

524 tsu_render;

525 endtsuglyph;

526

527 % i/kurai "rank"

528 begintsuglyph("uni4F4D";77);

[see page 2016]

529 kanji.grfour.rank;

530 tsu_render;

531 endtsuglyph;

532

533 % tei/hiku "low" or "humble"

534 begintsuglyph("uni4F4E";78);

[see page 2015]

535 kanji.grfour.low;

536 tsu_render;

537 endtsuglyph;

538

539 % juu/su "dwell"

540 begintsuglyph("uni4F4F";79);

[see page 2011]

541 kanji.grthree.dwell;

542 tsu_render;

543 endtsuglyph;

544

545 % suke "assistant"

546 begintsuglyph("uni4F50";80);

[see page 2024]

547 kanji.greight.assistant;

548 tsu_render;

549 endtsuglyph;

550

551 % suke "assistant"

552 begintsuglyph("uni4F51";81);

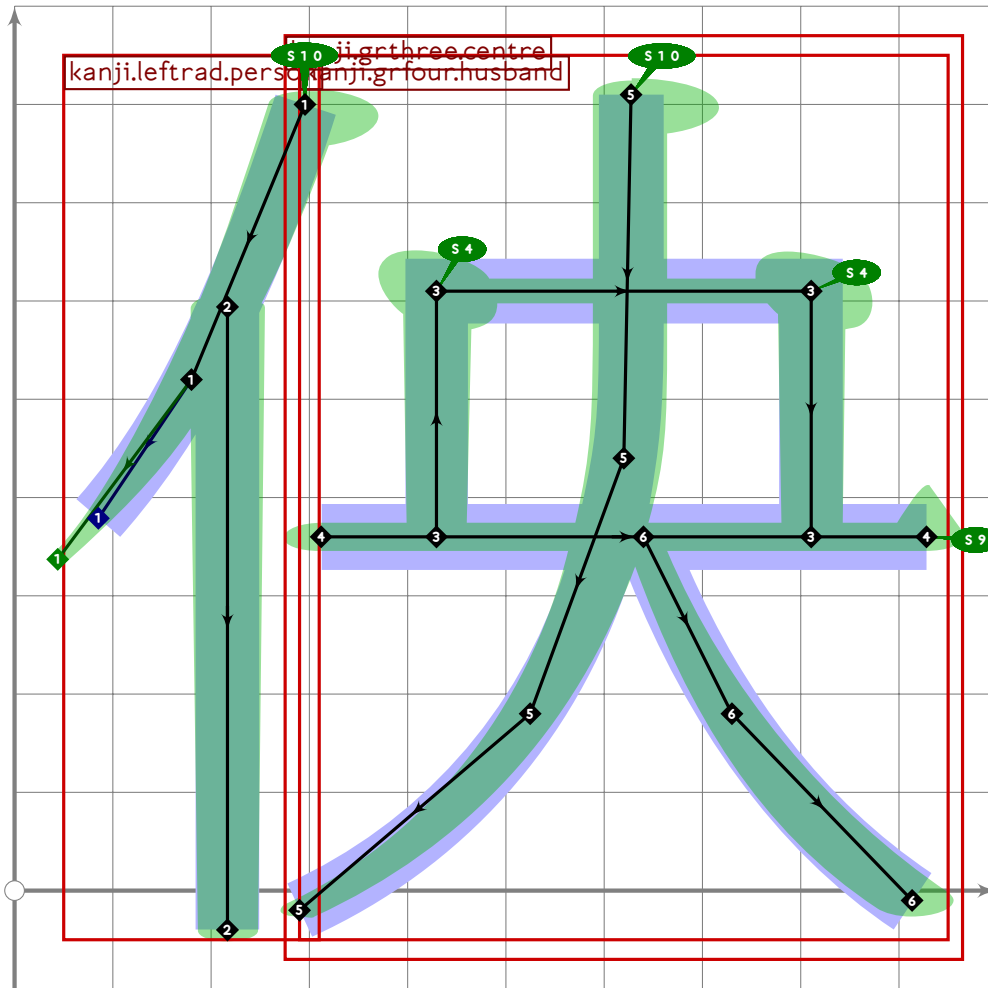
[see page 2040]

553 kanji.grnine.assistant;

554 tsu_render;

555 endtsuglyph;

556



```

557 % extra
558 begintsuglyph("uni4F52";82);
559   build_kanji.lr(300,20)
560     (kanji.leftrad.person)
561     (kanji.grthree.centre);
562   tsu_render;
563 endtsuglyph;
564
565 % tai/karada "substance"
566 begintsuglyph("uni4F53";83);
567   kanji.grtwo.substance;
568   tsu_render;
569 endtsuglyph;
570
571 % ka/nani "what"
572 begintsuglyph("uni4F55";85);
573   kanji.grtwo.what;
574   tsu_render;
575 endtsuglyph;
576
577 % yo/ama "surplus" ("ama" as in "amari yoku nai")

```

[see page 2009]

[see page 585]

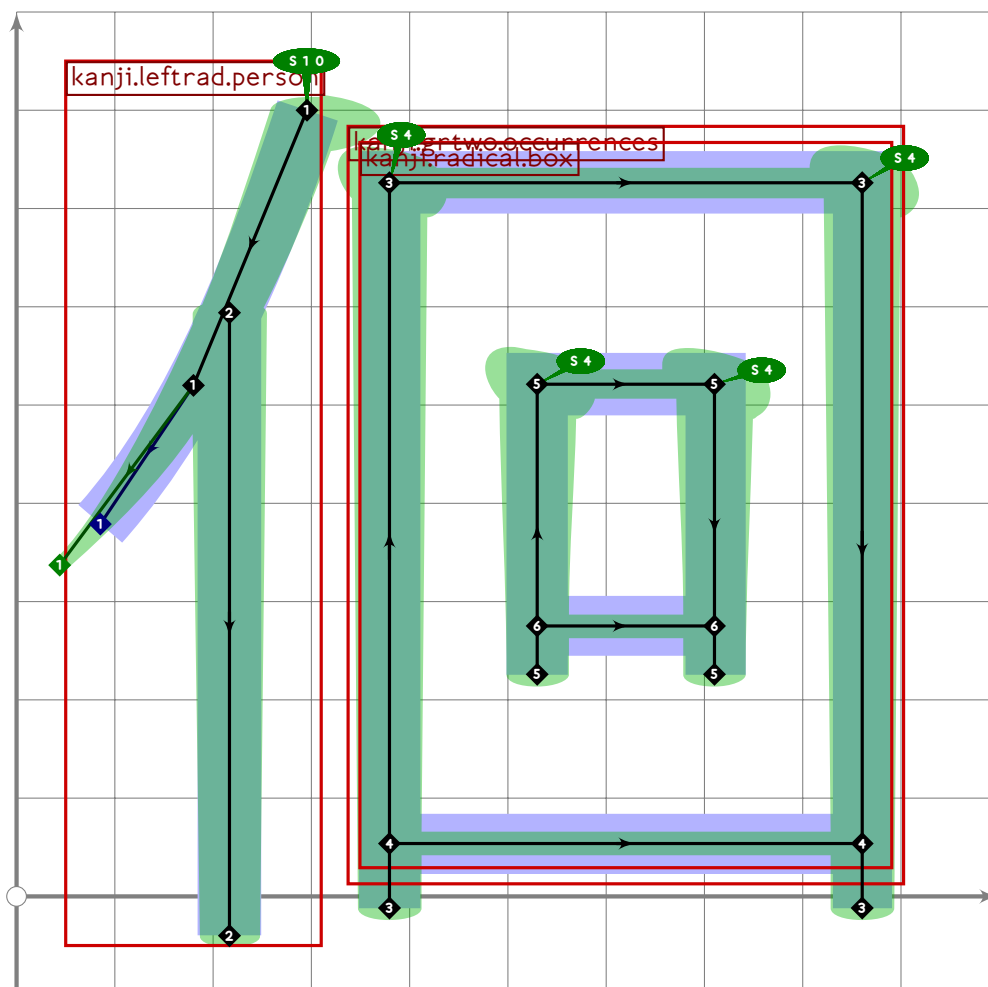
U+4F6A
tsuku.uni4F6A

```
578 begintsuglyph("uni4F59";89);  
579 kanji.grfive.surplus;  
580 tsu_render;  
581 endtsuglyph;  
582  
583 % tsuku "make"  
584 begintsuglyph("uni4F5C";92);  
585 kanji.grtwo.make;  
586 tsu_render;  
587 endtsuglyph;  
588
```

[see page 780]

4F

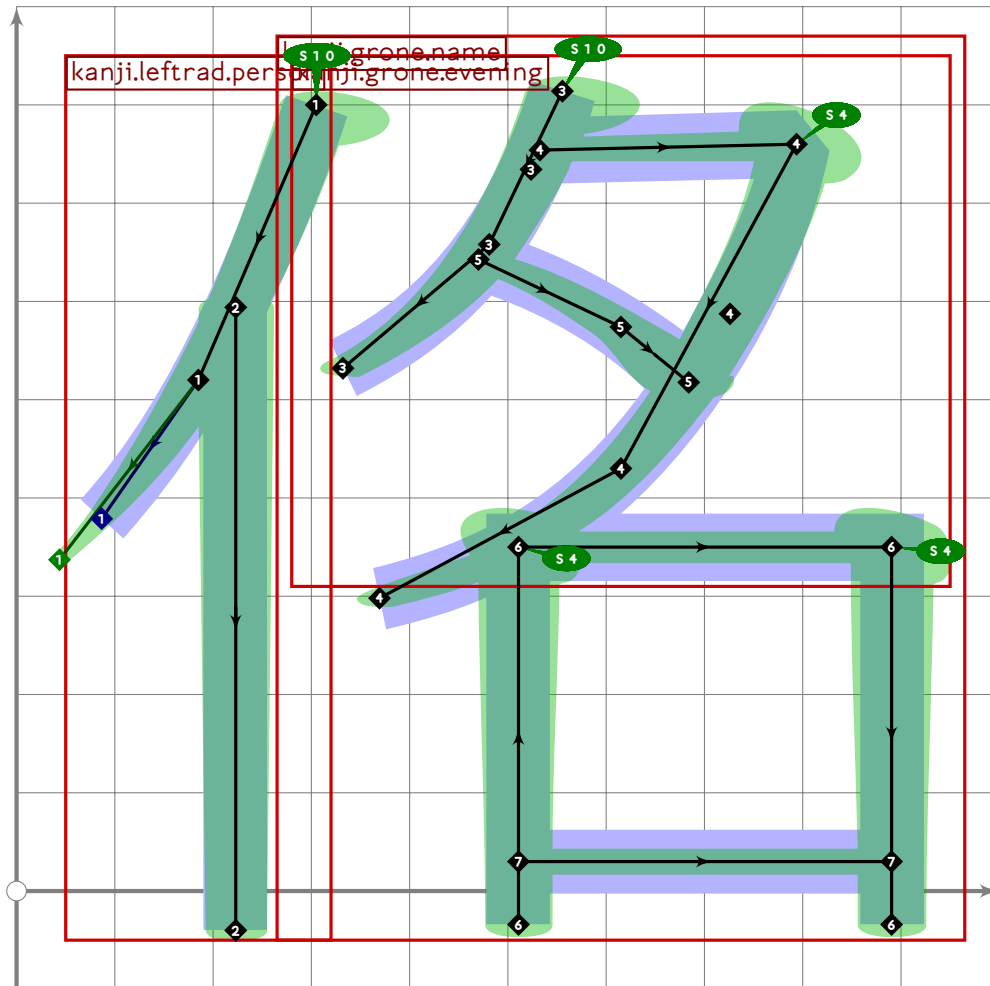
[see page 2008]



```
589 % extra "hesitate"  
590 begintsuglyph("uni4F6A";106);  
591 build_kanji.lr(300,20)  
592 (kanji.leftrad.person)  
593 (build_kanji.sscale(scaled 0.82)(kanji.grtwo.occurrences));  
594 tsu_render;  
595 endtsuglyph;  
596  
597 % extra "centurion"  
598 begintsuglyph("uni4F70";112);
```

[see page 998]

```
599 kanji.rare.centurion;
600 tsu_render;
601 endtsuglyph;
602
```



```
603 % extra
604 begintsuglyph("uni4F72";114);
605 build_kanji.lr(300,40)
606 (kanji.leftrad.person)
607 (kanji.grone.name);
608 tsu_render;
609 endtsuglyph;
610
611 % ka "excellent"
612 begintsuglyph("uni4F73";115);
613 kanji.greight.excellent;
614 tsu_render;
615 endtsuglyph;
616
617 % hei/awa "unite"
618 begintsuglyph("uni4F75";117);
619 kanji.greight.unite;
```

[see page 2030]

[see page 2037]

U+4F81
tsuku.uni4F81

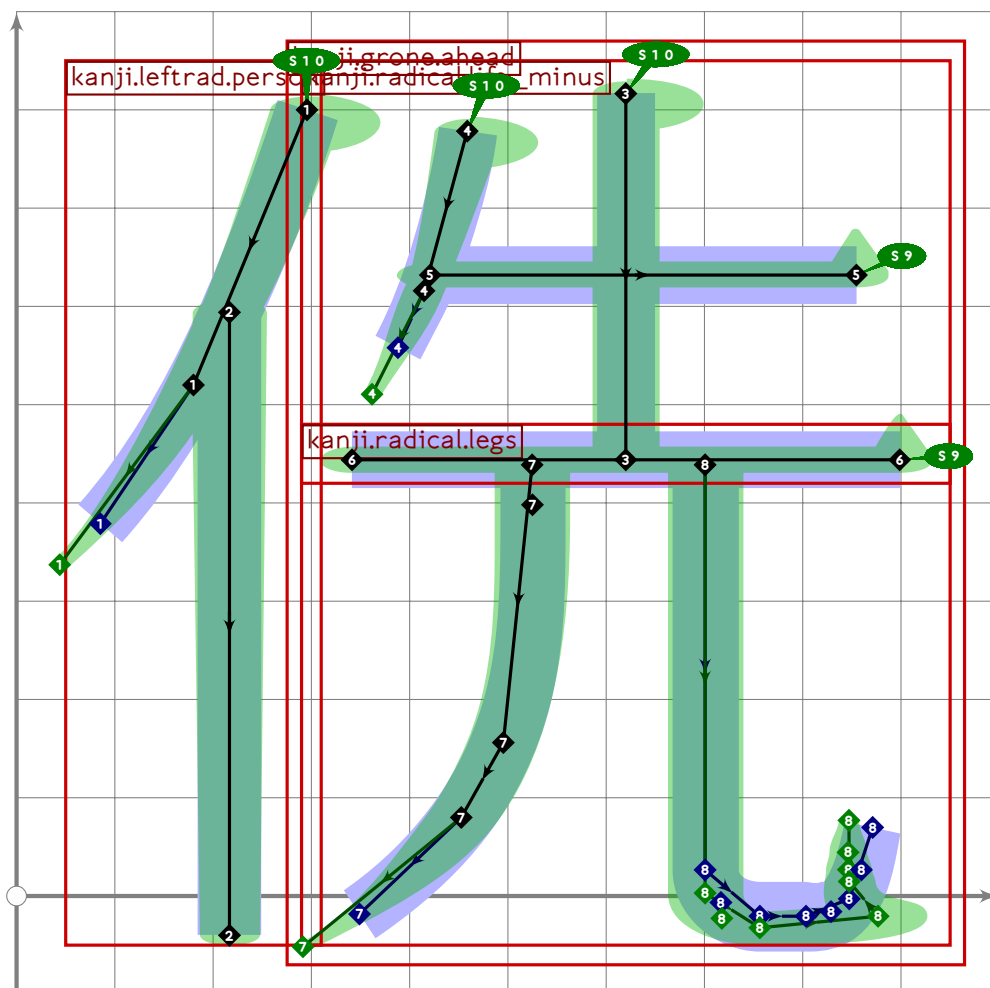
```

620 tsu_render;
621 endtsuglyph;
622
623 % shi/tsuka "use"
624 begintsuglyph("uni4F7F";127);
625 kanji.grthree.use;
626 tsu_render;
627 endtsuglyph;
628

```

[see page 2012]

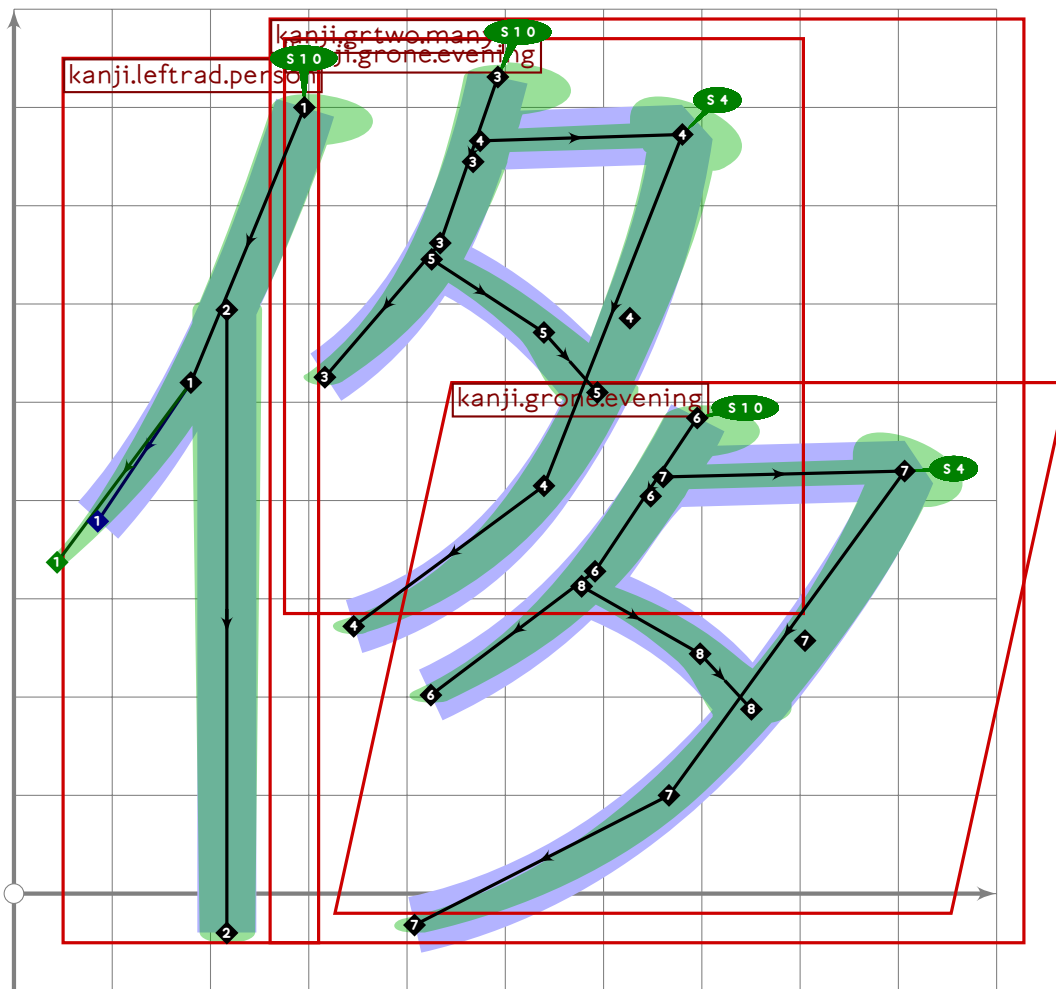
4F



```

629 % extra
630 begintsuglyph("uni4F81";129);
631 build_kanji.lr(300,20)
632 (kanji.leftrad.person)
633 (kanji.grthree.use);
634 tsu_render;
635 endtsuglyph;
636

```



```

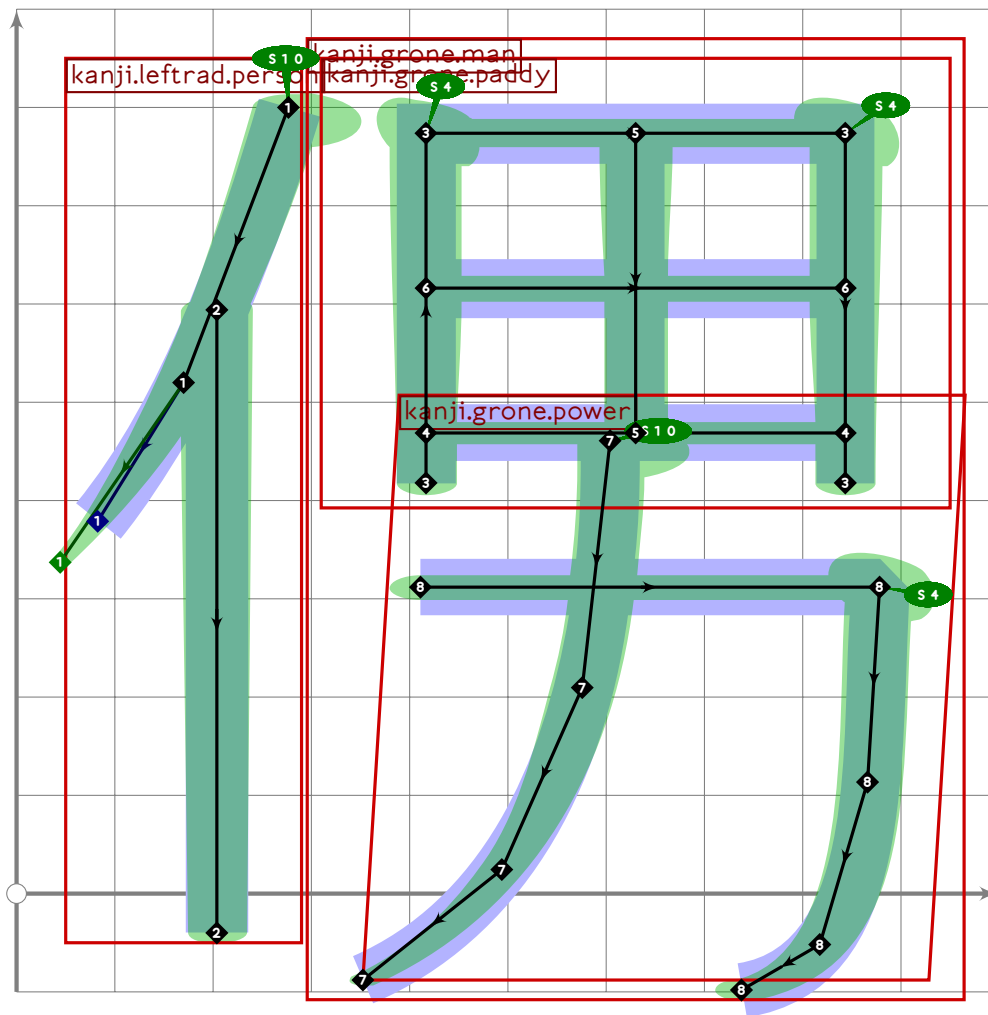
637 % extra "luxury"
638 begintsuglyph("uni4F88",136);
639   build_kanji.level(build_kanji.lr(300,20)
640     (kanji.leftrad.person)
641     (kanji.grtwo.many));
642   tsu_render;
643 endtsuglyph;
644
645 % rei/tato "example"
646 begintsuglyph("uni4F8B",139);
647   kanji.grfour.example;
648   tsu_render;
649 endtsuglyph;
650
651 % Chinese character needed for "yin"
652 begintsuglyph("uni4F8C",140);
653   kanji.rare.yin;
654   tsu_render;
655 endtsuglyph;
656
657 % ji/samurai "samurai"

```

[see page 2014]

[see page 1056]

658 begintsuglyph("uni4F8D";141); [see page 2034]
 659 kanji.greight.samurai;
 660 tsu_render;
 661 endtsuglyph;
 662
 663 % yuu/susu "urge [another] to eat"
 664 begintsuglyph("uni4F91";145); [see page 2046]
 665 kanji.grnine.urge_to_eat;
 666 tsu_render;
 667 endtsuglyph;
 668
 669 % rin/omo "be methodical"
 670 begintsuglyph("uni4F96";150); [see page 991]
 671 kanji.rare.be_methodical;
 672 tsu_render;
 673 endtsuglyph;
 674
 675 % kyu/domo "offer"
 676 begintsuglyph("uni4F9B";155); [see page 2022]
 677 kanji.grsix.offer;
 678 tsu_render;
 679 endtsuglyph;
 680
 681 % i/yo "dependency"
 682 begintsuglyph("uni4F9D";157); [see page 2027]
 683 kanji.greight.dependency;
 684 tsu_render;
 685 endtsuglyph;
 686
 687 % ka/atai "price"
 688 begintsuglyph("uni4FA1";161); [see page 2020]
 689 kanji.grfive.price;
 690 tsu_render;
 691 endtsuglyph;
 692
 693 % bu/anado "scorn"
 694 begintsuglyph("uni4FAE";174); [see page 2035]
 695 kanji.greight.scorn;
 696 tsu_render;
 697 endtsuglyph;
 698
 699 % ryo/tomo "companion"
 700 begintsuglyph("uni4FB6";182); [see page 2026]
 701 kanji.greight.companion;
 702 tsu_render;
 703 endtsuglyph;
 704



```

705 % extra
706 begintsuglyph("uni4FBD";189);
707   build_kanji.lr(300;-20)
708     (kanji.leftrad.person)
709     (kanji.grone.man);
710   tsu_render;
711 endtsuglyph;
712
713 % ben/tayo "convenience"
714 begintsuglyph("uni4FBF";191);
715   kanji.grfour.convenience;
716   tsu_render;
717 endtsuglyph;
718
719 % kei/kaka "person in charge"
720 begintsuglyph("uni4FC2";194);
721   kanji.grthree.duty_officer;
722   tsu_render;
723 endtsuglyph;
724
725 % soku/unaga "urge"

```

[see page 684]

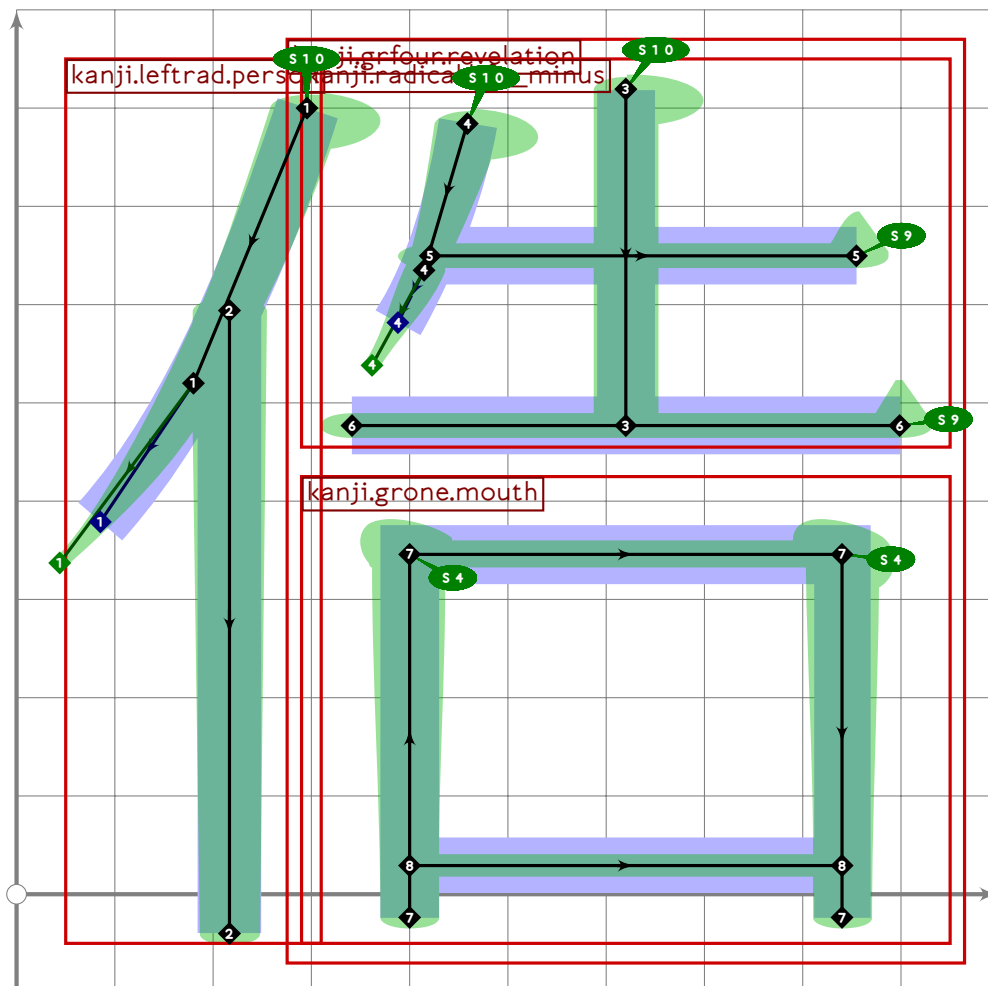
[see page 2010]

U+4FC8
tsuku.uni4FC8

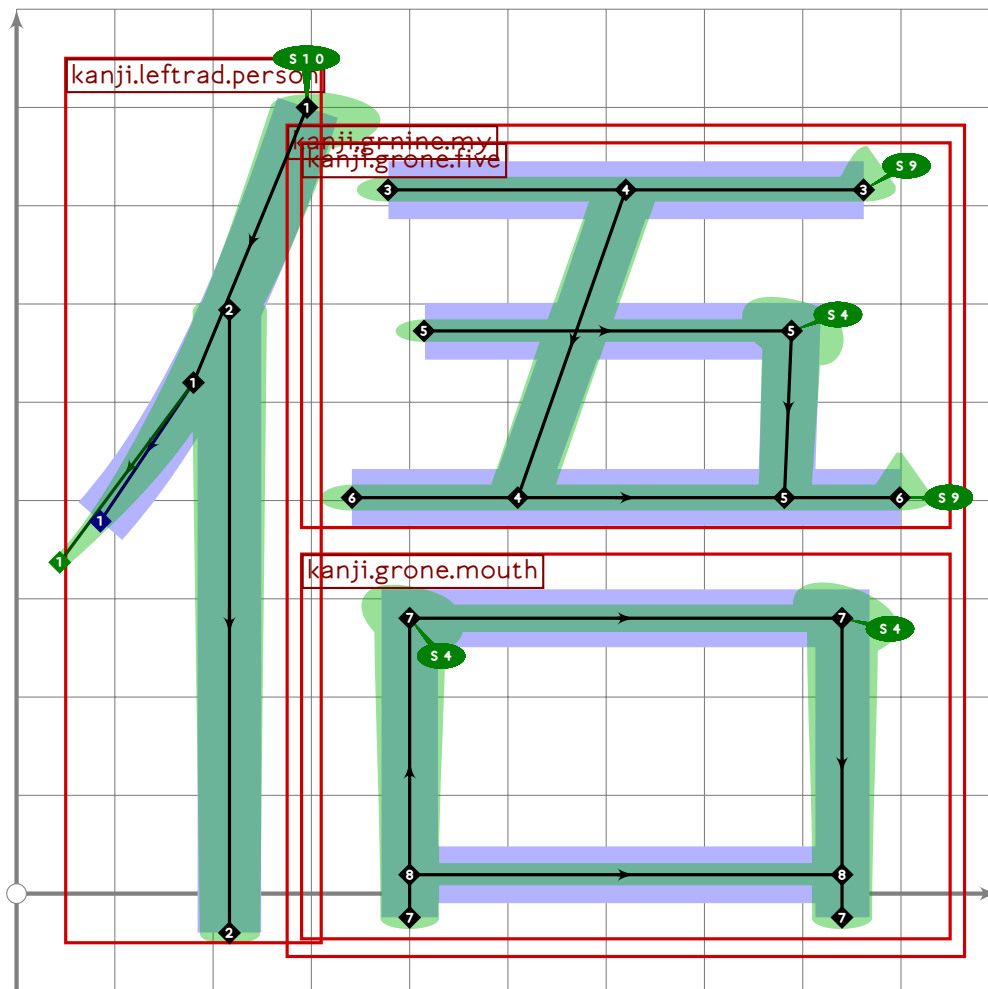
```
726 begint Suglyph("uni4FC3";195);
727   kanji.greight.urge;
728   tsu_render;
729 endtsuglyph;
730
```

[see page 2038]

4F



```
731 % extra
732 begint Suglyph("uni4FC8";200);
733   build_kanji.lr(300,20)
734   (kanji.leftrad.person)
735   (kanji.grfour.revelation);
736   tsu_render;
737 endtsuglyph;
738
```



```

739 % extra
740 begintsuglyph("uni4FC9";201);
741   build_kanji.lr(300,20)
742     (kanji.leftrad.person)
743     (build_kanji.sscale(yscaled 0.9 shifted (0,-40))
744       (kanji.grnine.myl));
745   tsu_render;
746 endtsuglyph;
747
748 % ri/kashiko "clever"
749 begintsuglyph("uni4FD0";208);
750   kanji.greight.clever;
751   tsu_render;
752 endtsuglyph;
753
754 % zoku "worldly"
755 begintsuglyph("uni4FD7";215);
756   kanji.greight.worldly;
757   tsu_render;
758 endtsuglyph;
759

```

[see page 2025]

[see page 2039]

760 % ho/tamo "protect"
 761 begintsuglyph("uni4FDD";221); [see page 771]
 762 kanji.grfive.protect;
 763 tsu_render;
 764 endtsuglyph;
 765
 766 % extra needed for U+8F38
 767 begintsuglyph("uni4FDE";222); [see page 987]
 768 kanji.rare.approve;
 769 tsu_render;
 770 endtsuglyph;
 771
 772 % shin "believe"
 773 begintsuglyph("uni4FE1";225); [see page 2013]
 774 kanji.grfour.believe;
 775 tsu_render;
 776 endtsuglyph;
 777
 778 % shuu/osa "discipline"
 779 begintsuglyph("uni4FEE";238); [see page 2018]
 780 kanji.grfive.discipline;
 781 tsu_render;
 782 endtsuglyph;
 783
 784 % ku/tamomi "all together"
 785 begintsuglyph("uni4FF1";241); [see page 2047]
 786 kanji.grten.all_together;
 787 tsu_render;
 788 endtsuglyph;
 789
 790 % hai "haiku"
 791 begintsuglyph("uni4FF3";243); [see page 2021]
 792 kanji.grsix.haiku;
 793 tsu_render;
 794 endtsuglyph;
 795
 796 % hyou/tawara "counter for straw bags"
 797 begintsuglyph("uni4FF5";245); [see page 2045]
 798 kanji.grnine.straw_bags;
 799 tsu_render;
 800 endtsuglyph;
 801
 802 % en/ore "me" (masculine, aggressive, more so than "boku")
 803 begintsuglyph("uni4FFA";250); [see page 2033]
 804 kanji.greight.me_macho;
 805 tsu_render;
 806 endtsuglyph;
 807

```
808 _____  
809  
810 endfont;  
811  
812 _____
```

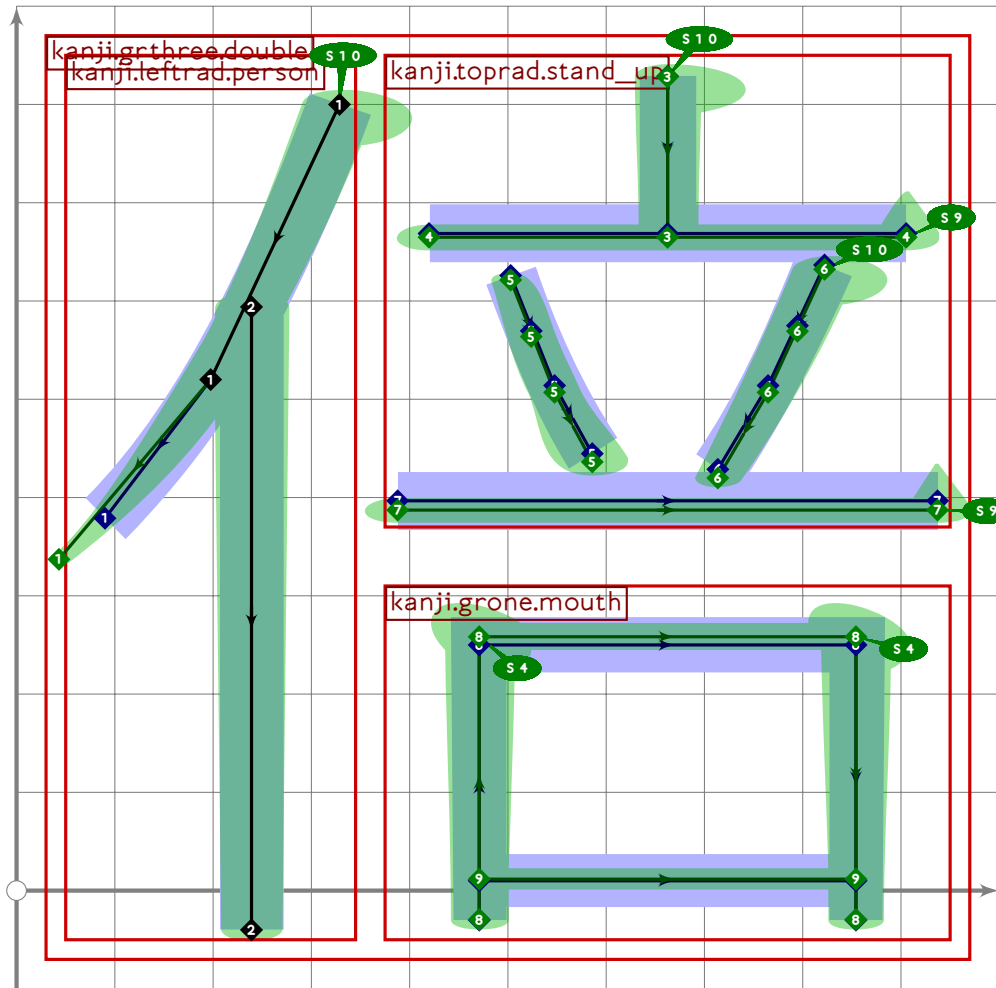
```
1 %
2 % Unicode page 50 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input gradeeight.mp;
40 input gradefive.mp;
41 input gradefour.mp;
42 input gradeone.mp;
43 input gradethree.mp;
44 input gradetwo.mp;
45 input leftrad.mp;
46 input radical.mp;
47 input rare.mp;
48 input rightrad.mp;
49 input toprad.mp;
50
51 do_late_includes;
52
53 

---

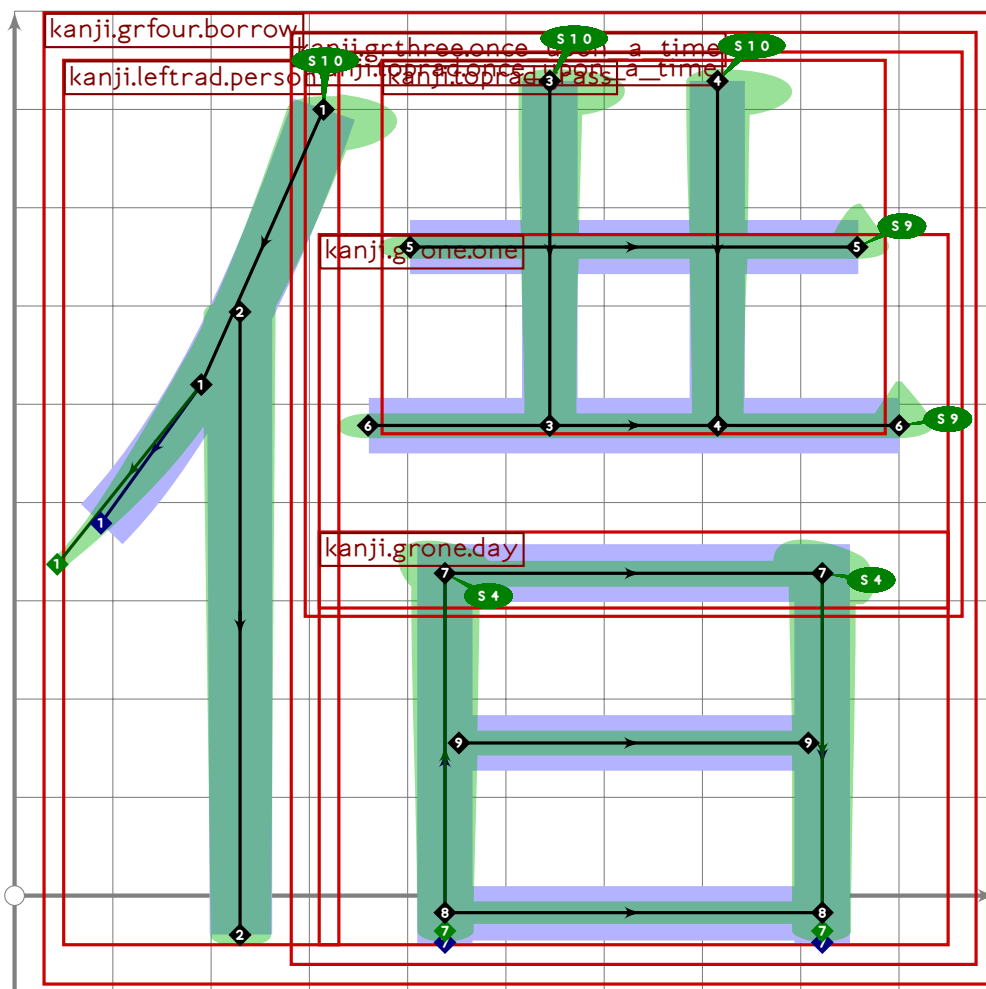

```



```

54
55 vardef kanji.grthree.double =
56   push_pbox_toexpand("kanji.grthree.double");
57   build_kanji.lr(360;-30)
58     (kanji.leftrad.person)
59     (build_kanji.tb(340;-60+20*mincho)
60       (kanji.toprad.stand_up)
61       (kanji.grone.mouth));
62   expand_pbox;
63 enddef;
64
65

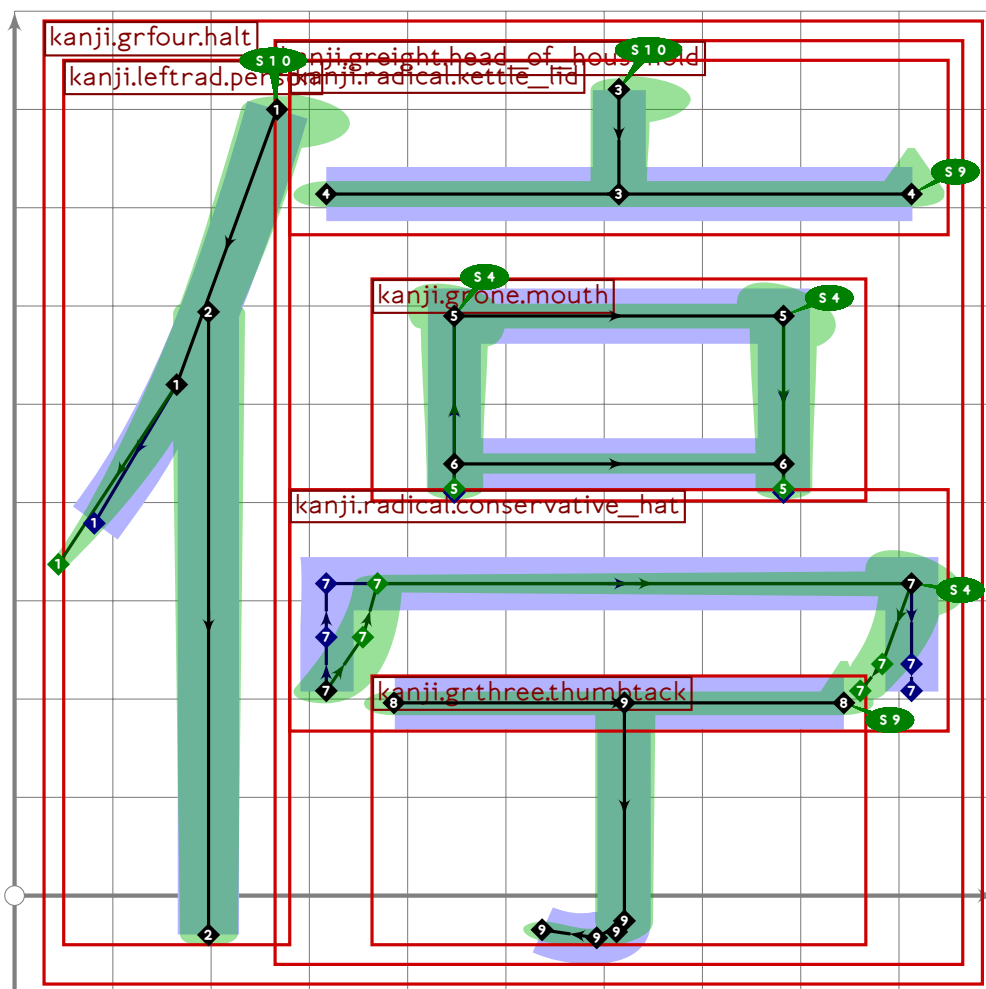
```

```

66
67 vardef kanji.grfour.borrow =
68   push_pbox_toexpand("kanji.grfour.borrow");
69   build_kanji.lr(320,20)
70     (kanji.leftrad.person)
71     (kanji.grthree.once_upon_a_time);
72   expand_pbox;
73 enddef;

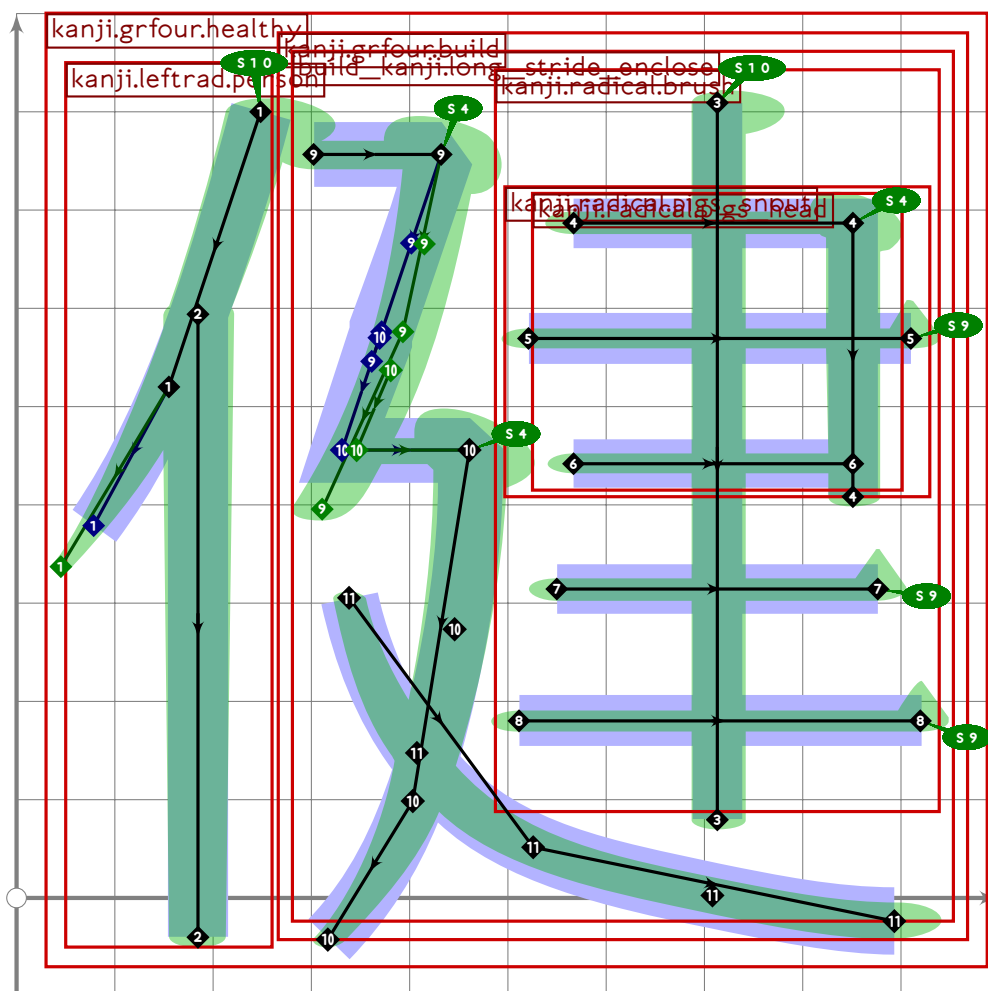
```



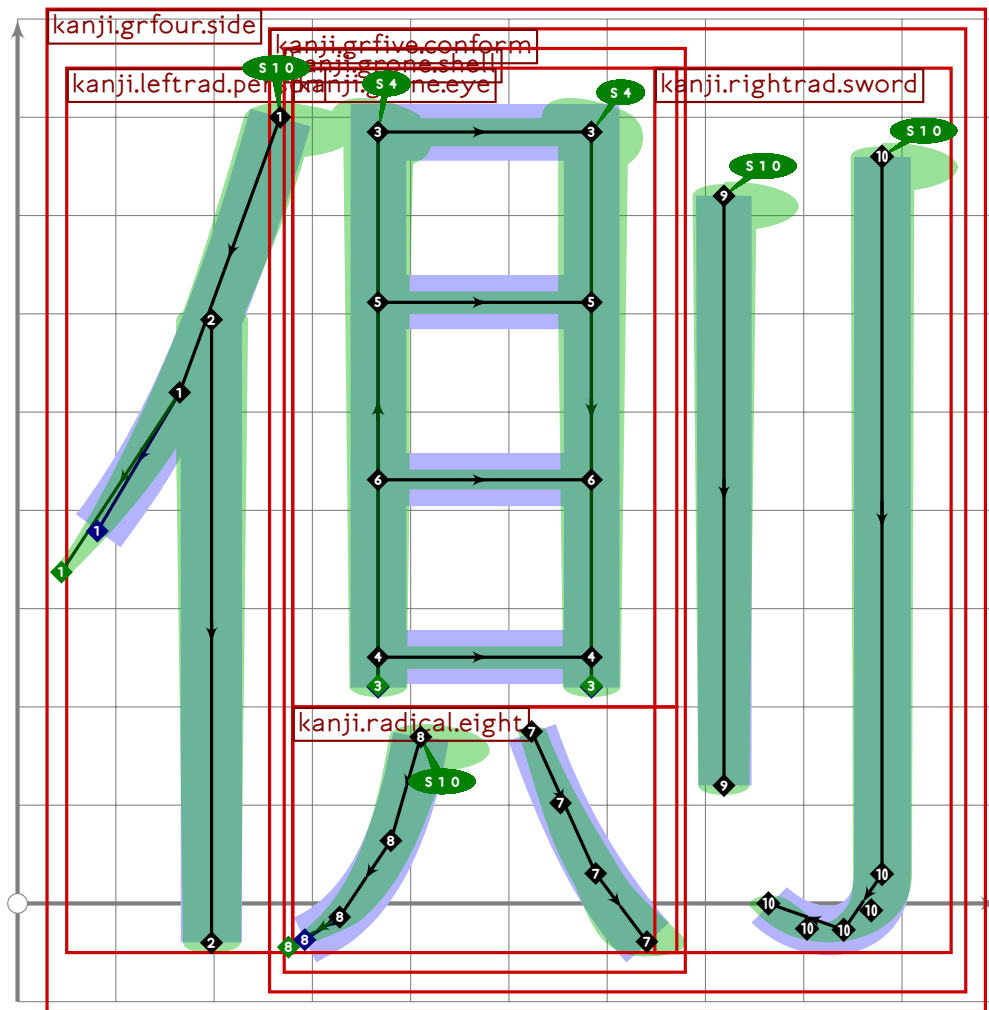
```

74
75 vardef kanji.grfour.halt =
76   push_pbox_toexpand("kanji.grfour.halt");
77   build_kanji.lr(280,0)
78     (kanji.leftrad.person)
79     (kanji.greight.head_of_household);
80   expand_pbox;
81 enddef;

```



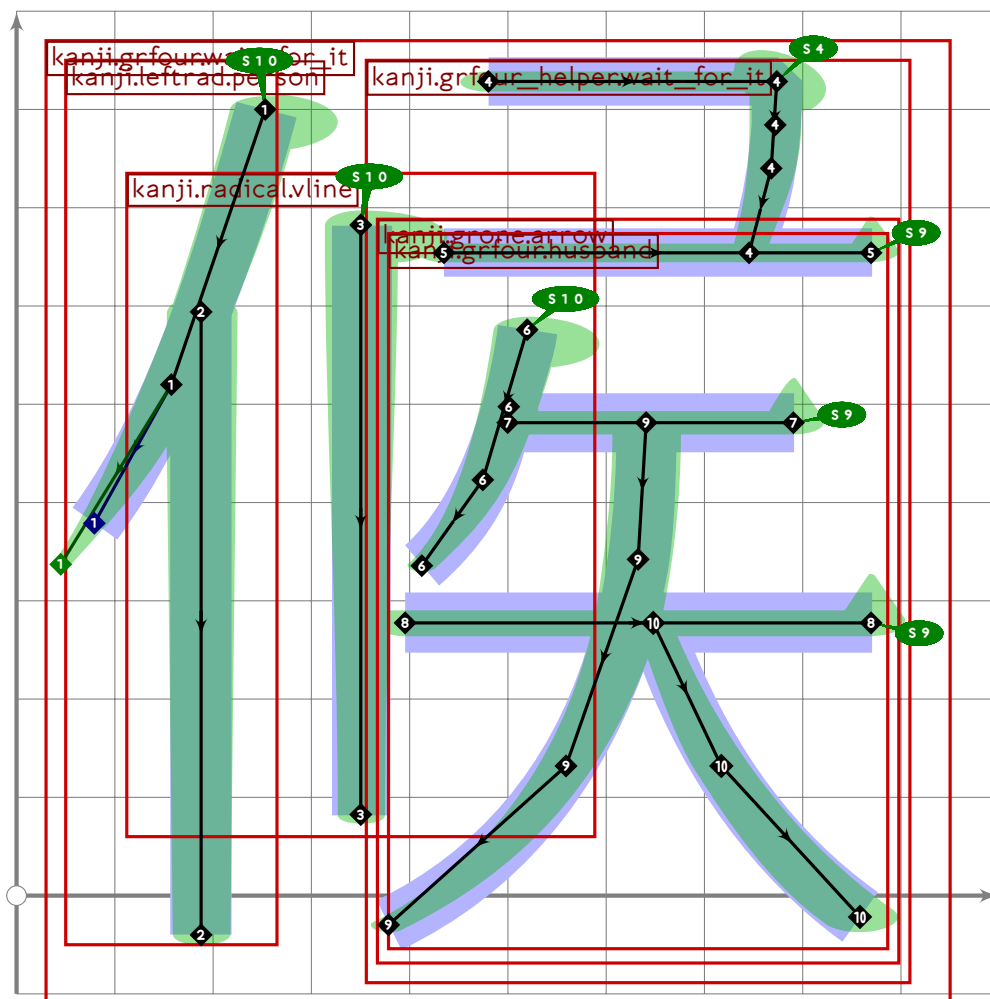
2068



```

90
91 vardef kanji.grfour.side =
92   push_pbox_toexpand("kanji.grfour.side");
93   build_kanji.lr(280,0)
94   (kanji.leftrad.person)
95   (kanji.grfive.conform);
96   expand_pbox;
97 enddef;
98
99 vardef kanji.grfour_helperwait_for_it =
100   push_pbox_toexpand("kanji.grfour_helperwait_for_it");
101   build_kanji.tb(620,-30)
102   (push_stroke((230,760)-(750,760)..tension 1.2..(740,390)..(700,30),
103     (1.6,1.6)-(1.6,1.6)-(1.4,1.4)-(1.2,1.2));
104   set_botip(0,1,1);
105   set_boserif(0,1,4);
106   push_stroke((150,30)-(920,30),(1.5,1.5)-(1.5,1.5));
107   set_boserif(0,1,9))
108   (kanji.grtwo.arrow);
109   expand_pbox;
110 enddef;

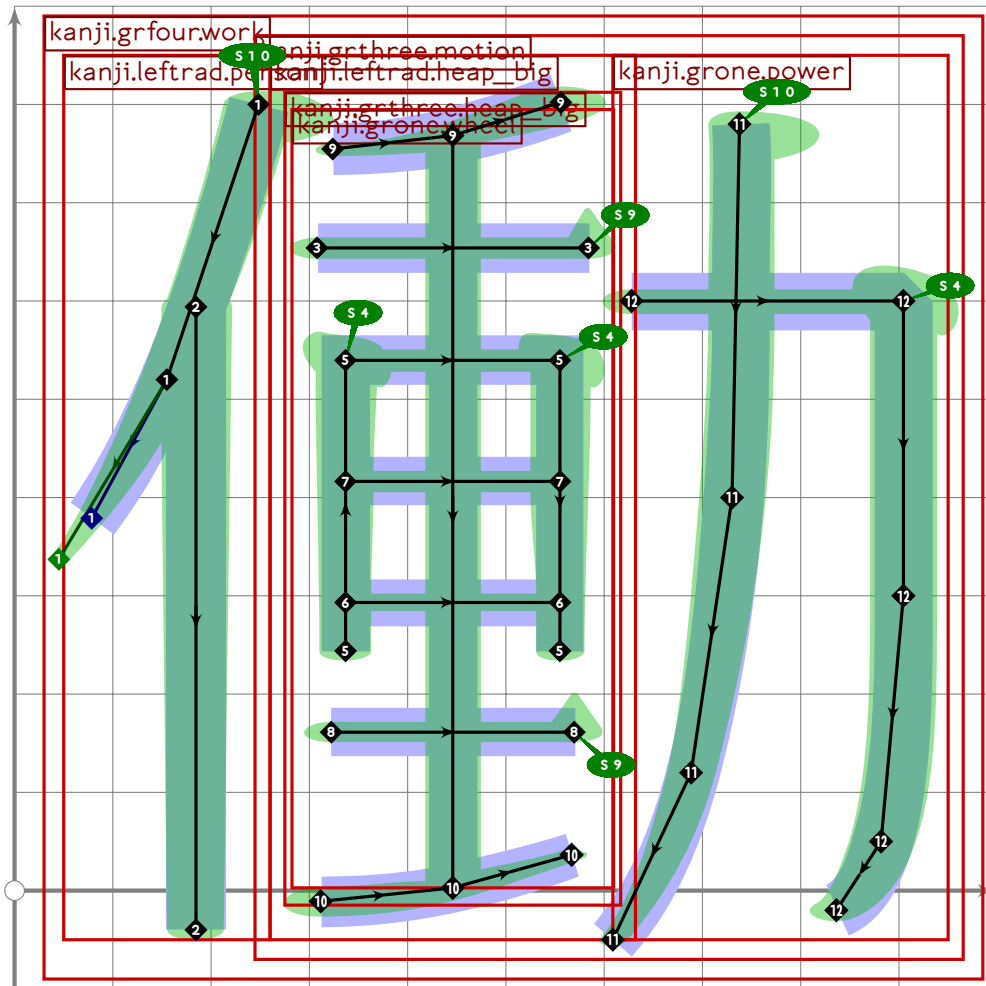
```



```

111
112 vardef kanji.grfour.wait_for_it =
113   push_pbox_toexpand("kanji.grfour.wait_for_it");
114   build_kanji.lr(290;50)
115     (kanji.leftrad.person)
116     (build_kanji.sscaled(scaled 0.75 shifted (-400,0))(kanji.radical.vline);
117     build_kanji.sscaled(xscaled 0.8)(kanji.grfour_helper.wait_for_it));
118   expand_pbox;
119 enddef;

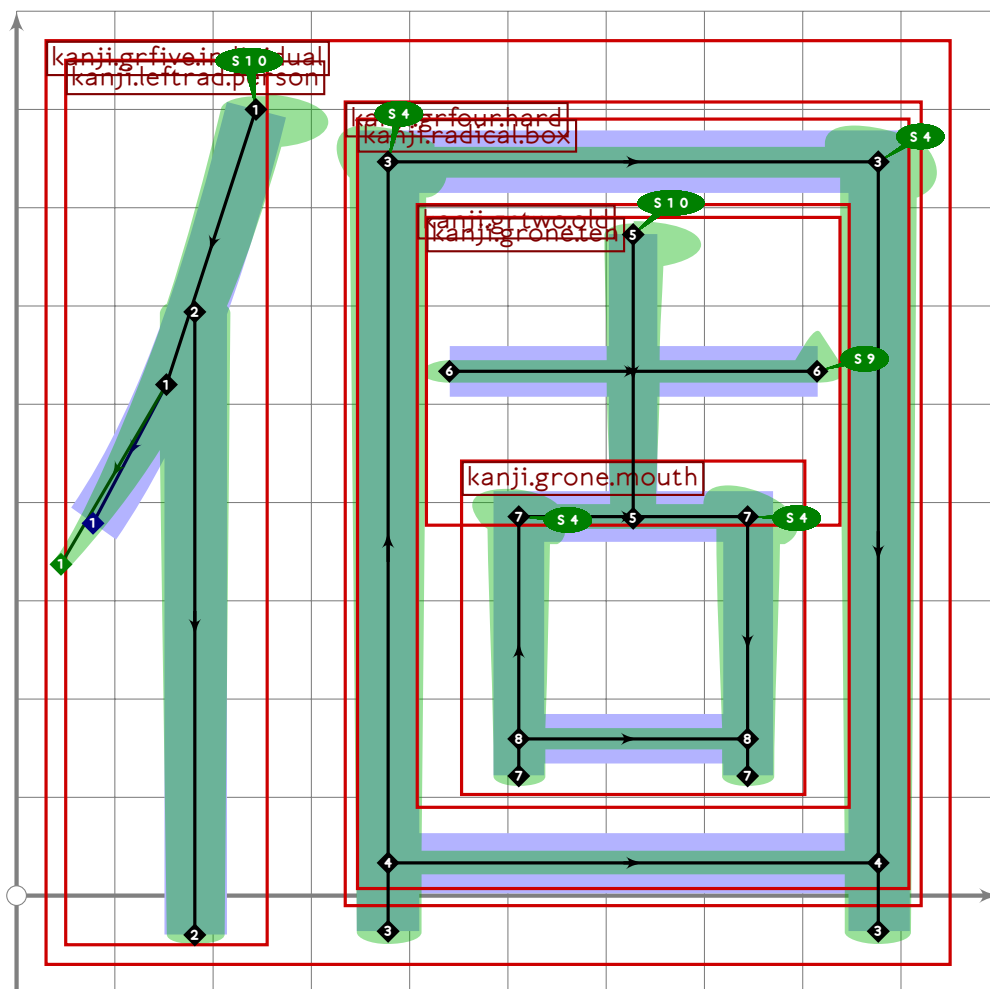
```



```

120
121 vardef kanji.grfour.work =
122   push_pbox_toexpand("kanji.grfour.work");
123   build_kanji.lr(260,0)
124     (kanji.leftrad.person)
125     (kanji.grthree.motion);
126   expand_pbox;
127 enddef;
128
129

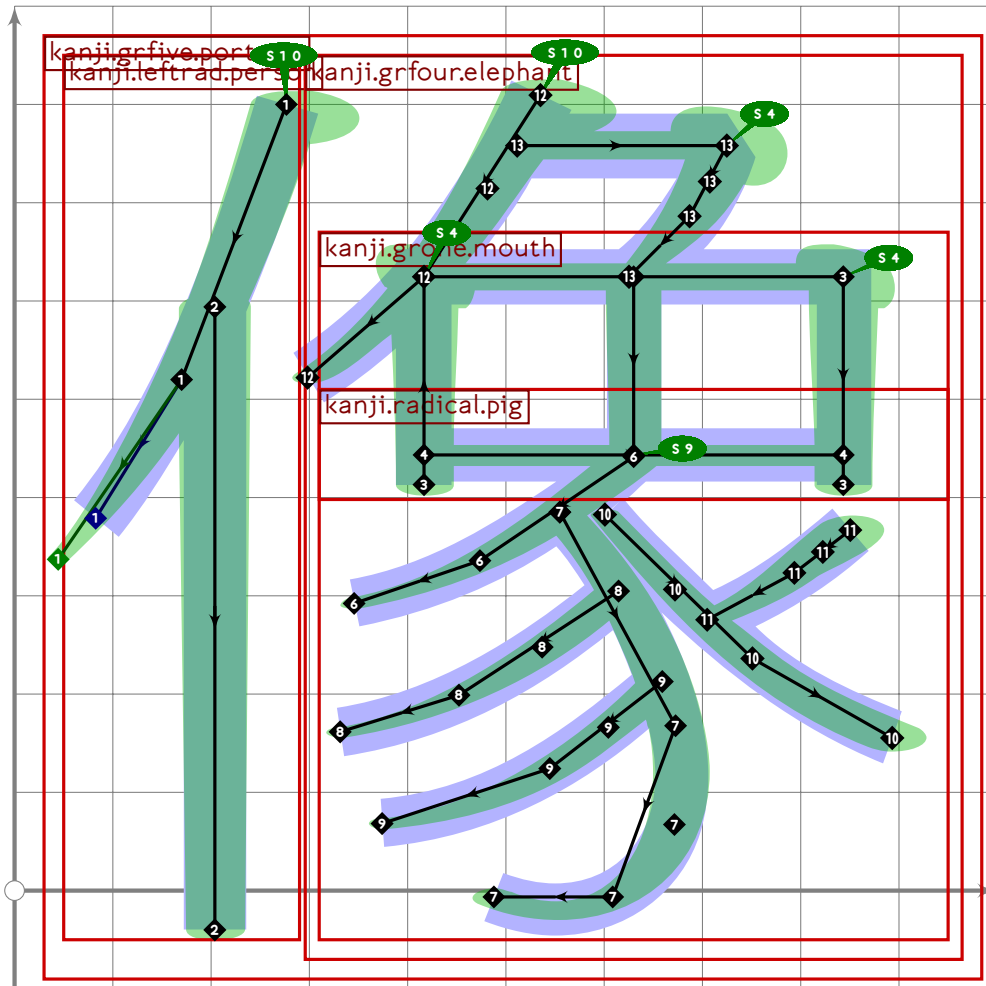
```



```

130
131 vardef kanji.grfive.individual =
132   push_pbox_toexpand("kanji.grfive.individual");
133   build_kanji.lr(280,-50)
134     (kanji.leftrad.person)
135     (build_kanji.sscale(scaled 0.87)(kanji.grfour.hard));
136   expand_pbox;
137 enddef;

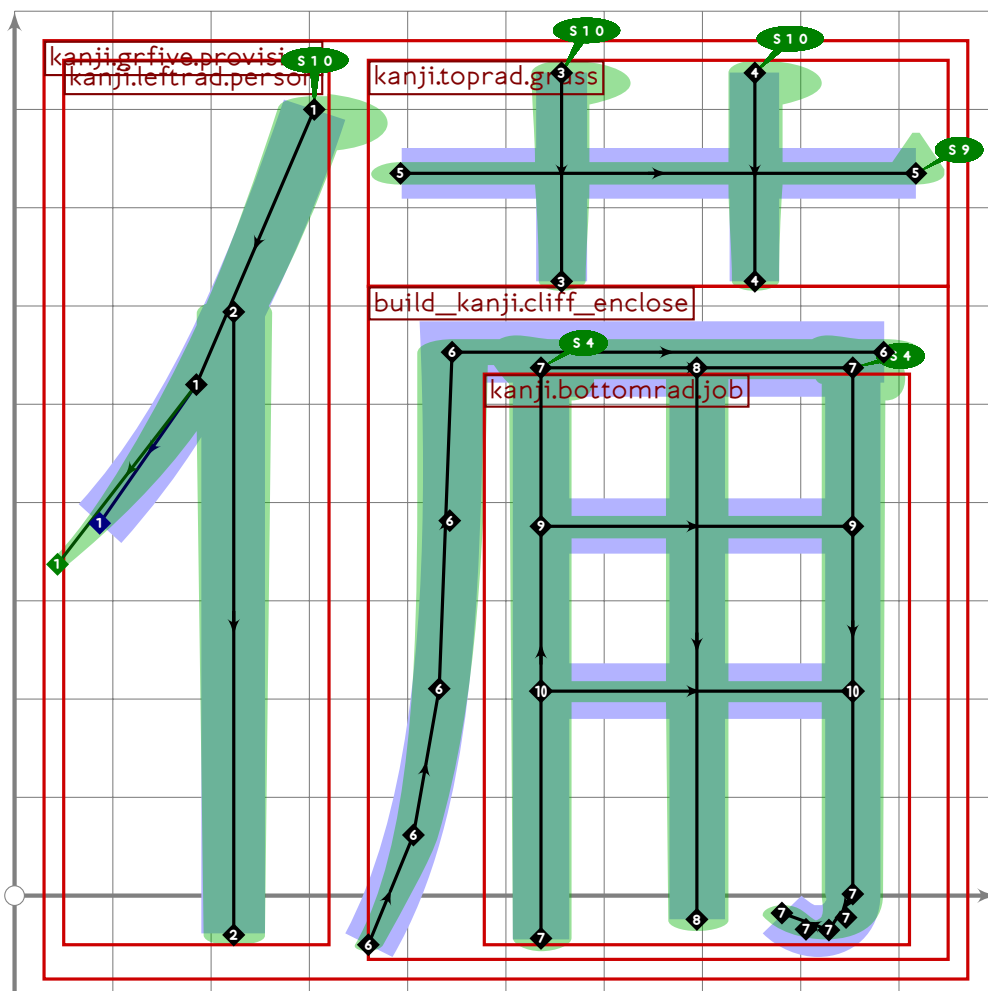
```



```

138
139 vardef kanji.grfive.portrait =
140   push_pbox_toexpand("kanji.grfive.portrait");
141   build_kanji.lr(300,-20)
142     (kanji.leftrad.person)
143     (kanji.grfour.elephant);
144   expand_pbox;
145 enddef;

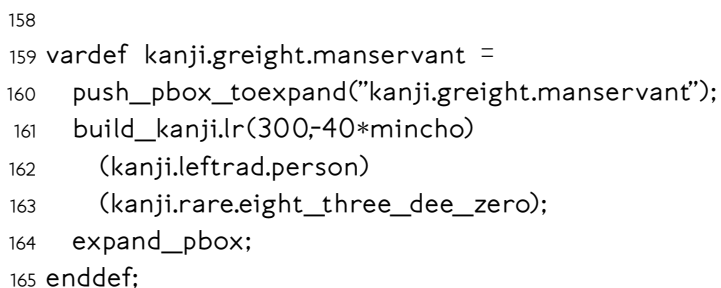
```

```

146
147 vardef kanji.grfive.provision =
148   push_pbox_toexpand("kanji.grfive.provision");
149   build_kanji.lr(340,-40)
150     (kanji.leftrad.person)
151     (build_kanji.tb(620,0)
152       (kanji.toprad.grass)
153       (build_kanji.cliff_enclose(kanji.bottomrad.job)));
154   expand_pbox;
155 enddef;
156
157

```



[see page 744]

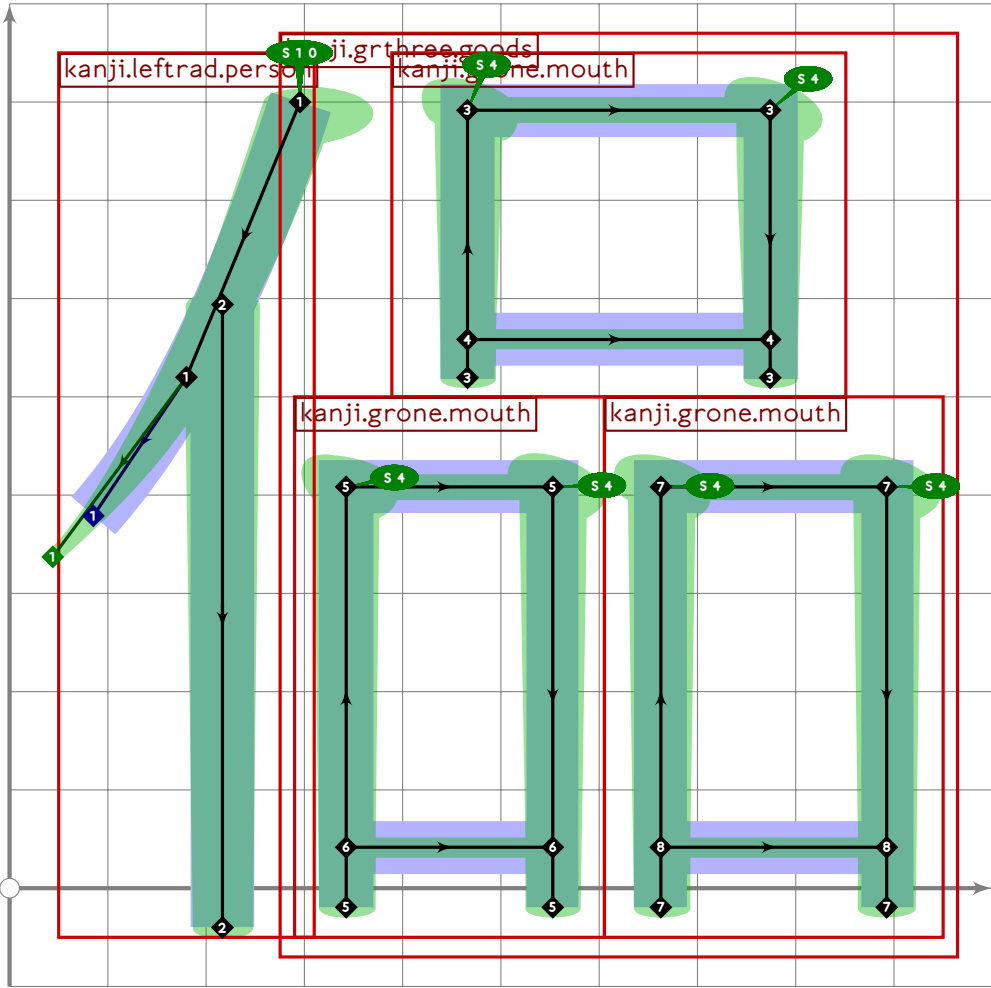
[see page 2072]

```
179 endtsuglyph;  
180  
181 % bai/be "double"  
182 begintsuglyph("uni500D";13);  
183   kanji.grthree.double;  
184   tsu_render;  
185 endtsuglyph;  
186  
187 % kou/sourou "season" or "candidate"  
188 begintsuglyph("uni5019";25);  
189   kanji.grfour.wait_for_it;  
190   tsu_render;  
191 endtsuglyph;  
192  
193 % shaku/ka "borrow"  
194 begintsuglyph("uni501F";31);  
195   kanji.grfour.borrow;  
196   tsu_render;  
197 endtsuglyph;  
198
```

[see page 2065]

[see page 2070]

[see page 2066]



199 % extra

```

200 begintsuglyph("uni5058";88);
201   build_kanji.lr(300,20)
202     (kanji.leftrad.person)
203     (kanji.grthree.goods);
204   tsu_render;
205 endtsuglyph;
206
207 % tei/to "halt"
208 begintsuglyph("uni505C";92); [see page 2067]
209   kanji.grfour.halt;
210   tsu_render;
211 endtsuglyph;
212
213 % ken/shita "healthy"
214 begintsuglyph("uni5065";101); [see page 2068]
215   kanji.grfour.healthy;
216   tsu_render;
217 endtsuglyph;
218
219 % soku/kawa "side"
220 begintsuglyph("uni5074";116); [see page 2069]
221   kanji.grfour.side;
222   tsu_render;
223 endtsuglyph;
224
225 % bi/sana "provision"
226 begintsuglyph("uni5099";153); [see page 2074]
227   kanji.grfive.provision;
228   tsu_render;
229 endtsuglyph;
230
231 % dou/hatara "work"
232 begintsuglyph("uni50CD";205); [see page 2071]
233   kanji.grfour.work;
234   tsu_render;
235 endtsuglyph;
236
237 % zou "portrait"
238 begintsuglyph("uni50CF";207); [see page 2073]
239   kanji.grfive.portrait;
240   tsu_render;
241 endtsuglyph;
242
243 % boku/shimobe "masculine first-person pronoun" (or "servant")
244 begintsuglyph("uni50D5";213); [see page 2075]
245   kanji.greight.manservant;
246   tsu_render;
247 endtsuglyph;

```

248

249

250

251 `endfont;`

252

253

tsuku-51.mp

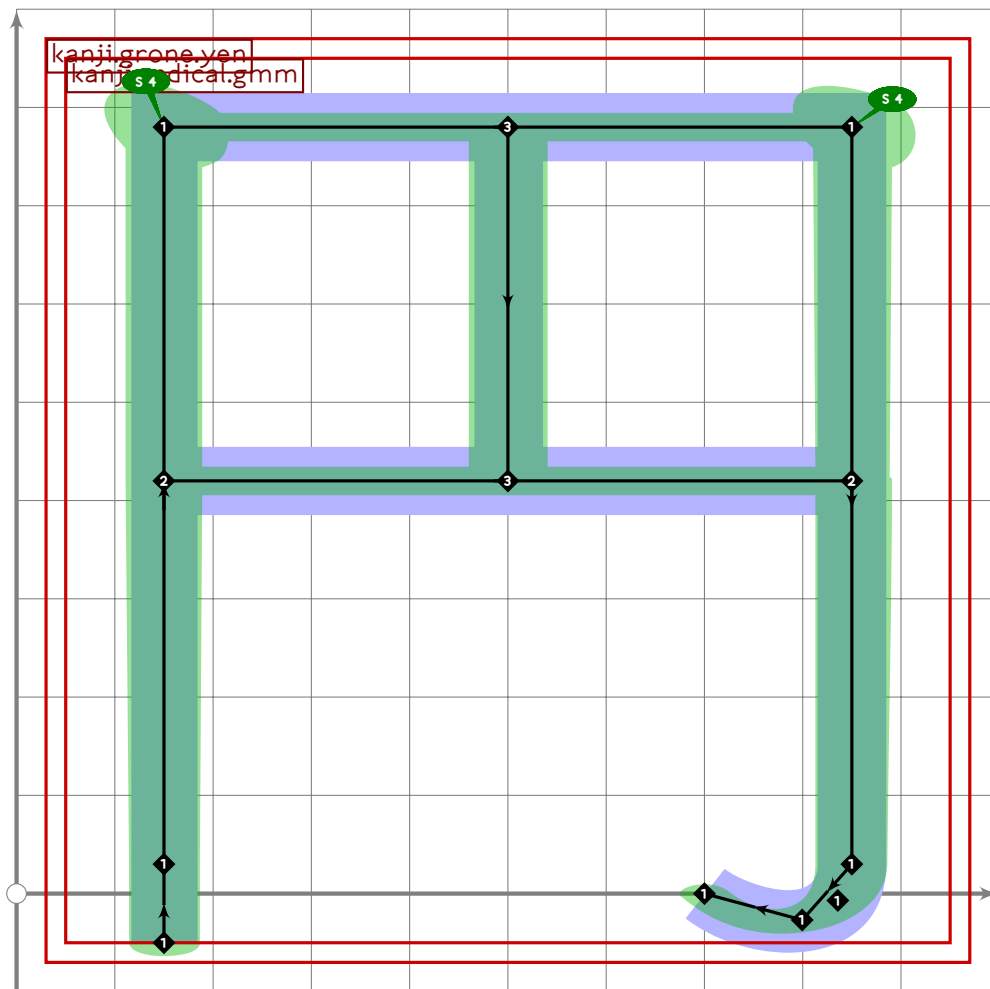
```
1 %
2 % Unicode page 51 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bottomrad.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradethree.mp;
44 input gradetwo.mp;
45 input leftrad.mp;
46 input radical.mp;
47 input rare.mp;
48 input toprad.mp;
49
50 do_late_includes;
51
52 

---

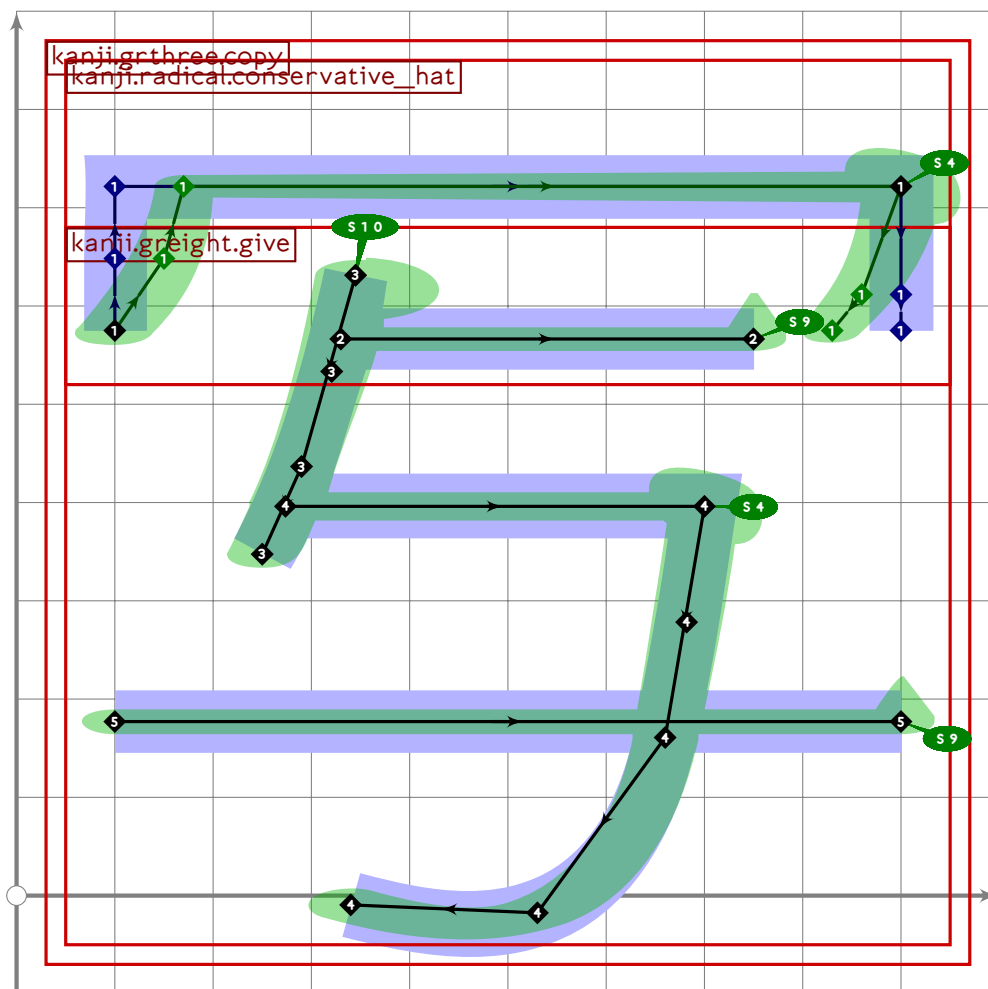

```



```

53
54 vardef kanji.grone.yen =
55   push_pbox_toexpand("kanji.grone.yen");
56   kanji.radical.gmm;
57   push_stroke((point 1.52 of get_stroke(0))-(point 3.48 of get_stroke(0)),
58     (1.6,1.6)-(1.6,1.6));
59   push_stroke((point 2.5 of get_stroke(-1))-(point 0.5 of get_stroke(0)),
60     (1.6,1.6)-(1.6,1.6));
61   expand_pbox;
62 enddef;
63
64

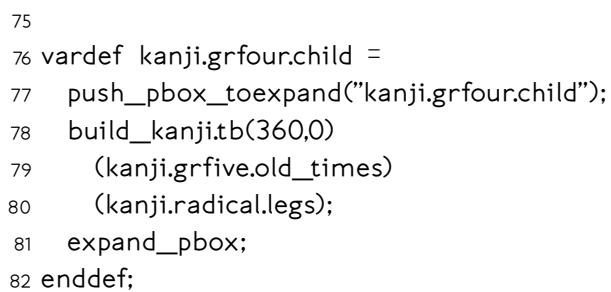
```

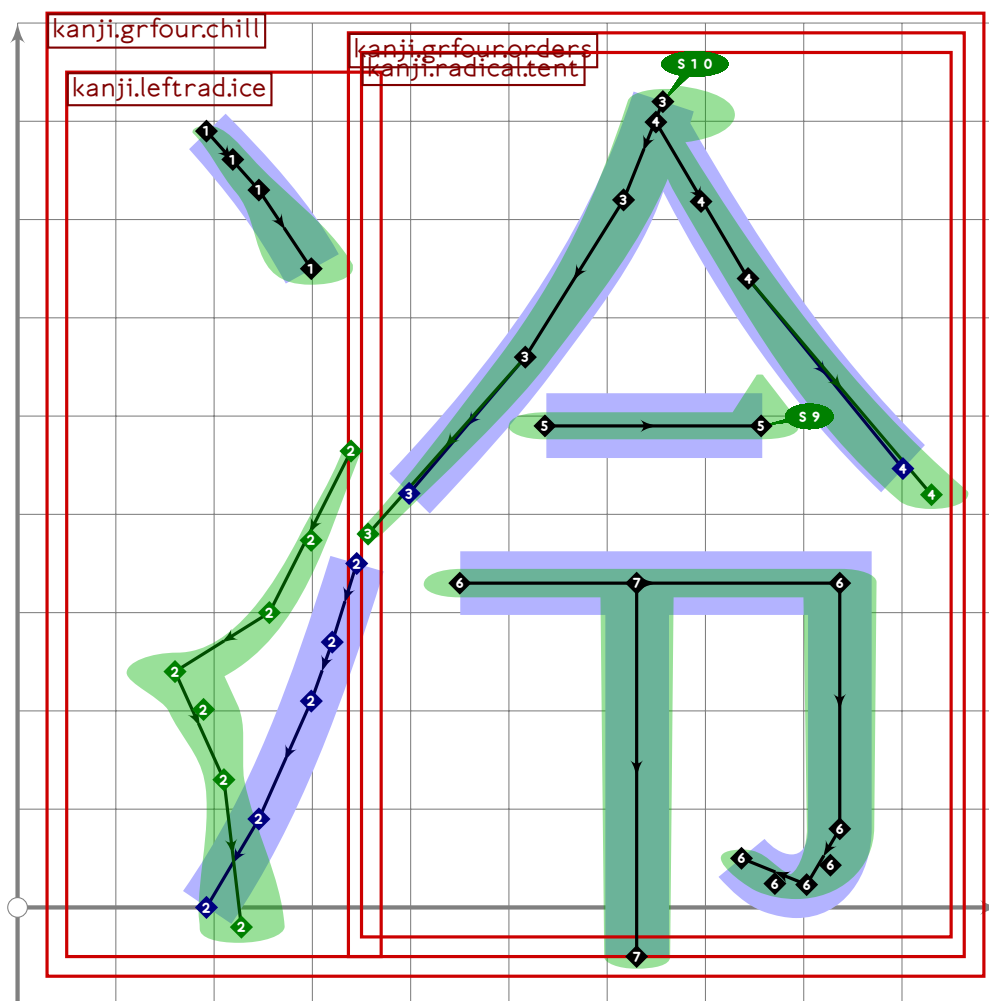


```

65
66 vardef kanji.grthree.copy =
67   push_pbox_toexpand("kanji.grthree.copy");
68   build_kanji.level(build_kanji.tb(600,160)
69     (kanji.radical.conservative_hat)
70     (kanji.greight.give));
71   expand_pbox;
72 enddef;
73
74

```

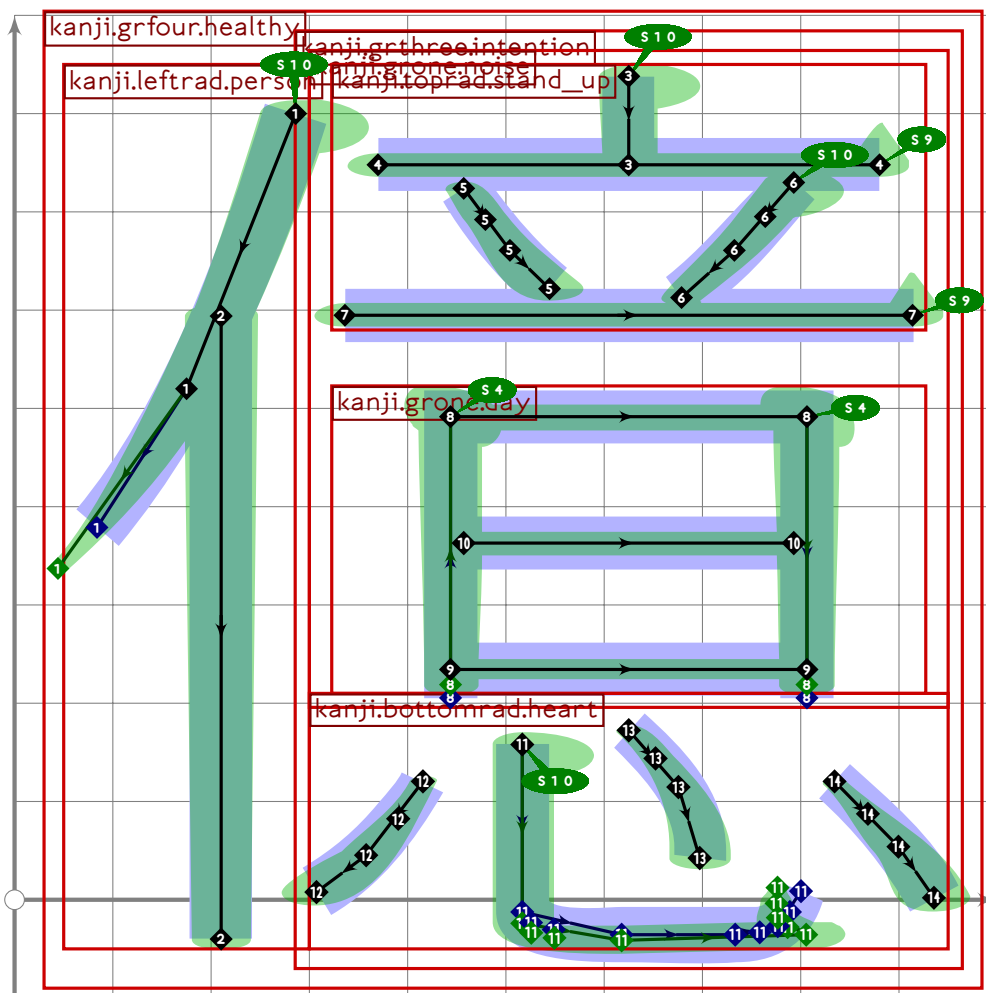





```

83
84 vardef kanji.grfour.chill =
85   push_pbox_toexpand("kanji.grfour.chill");
86   build_kanji.lr(360,20)
87     (kanji.leftrad.ice)
88     (build_kanji.sscaled(shifted (0,20))(kanji.grfour.orders));
89   expand_pbox;
90 enddef;

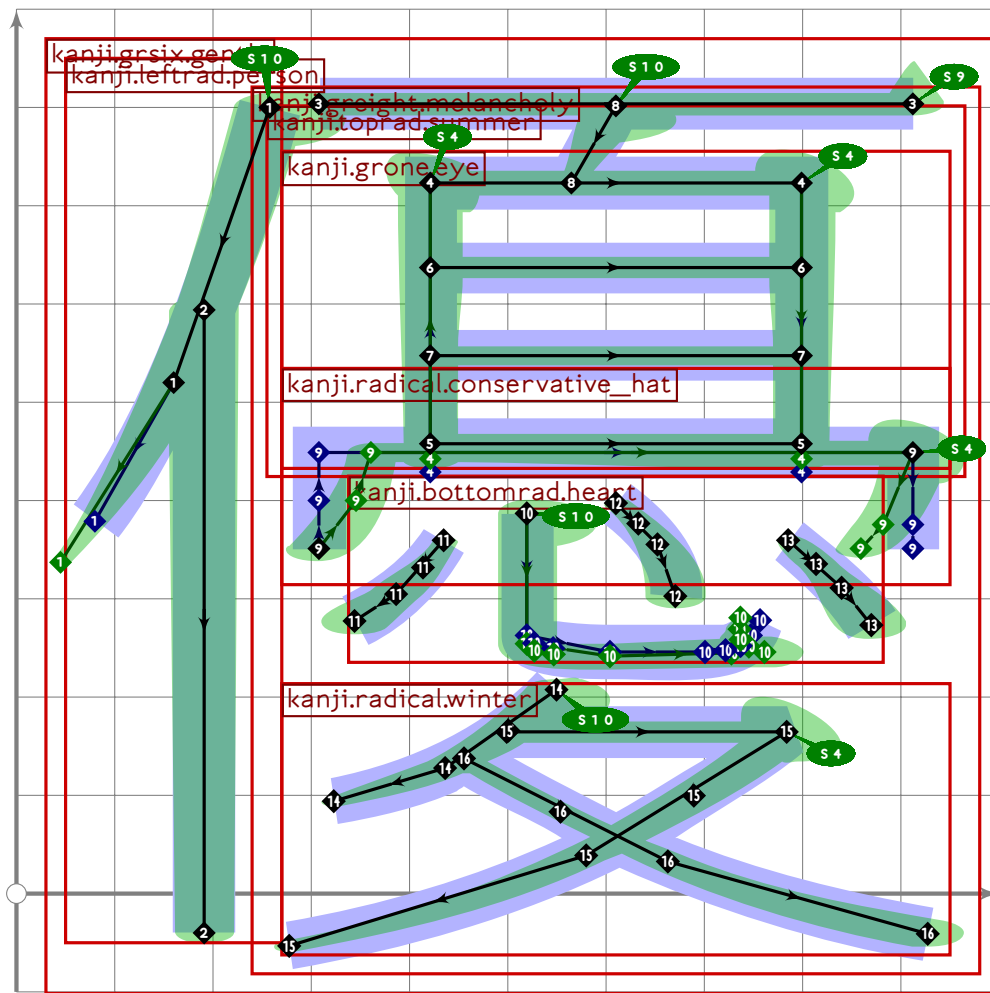
```



```

91
92 vardef kanji.grfour.hundred_million =
93   push_pbox_toexpand("kanji.grfour.healthy");
94   build_kanji.lr(300,0)
95     (kanji.leftrad.person)
96     (kanji.grthree.intention);
97   expand_pbox;
98 enddef;
99
100

```



```

101
102 vardef kanji.grsix.gentle =
103   push_pbox_toexpand("kanji.grsix.gentle");
104   build_kanji.lr(270,0)
105     (kanji.leftrad.person)
106     (build_kanji.sscale(yscaled 0.96 shifted (0,-30))
107       (kanji.greight.melancholy));
108   expand_pbox;
109 enddef;
110
111
112
113 % oku "one hundred million"
114 begintsuglyph("uni5104";4);
115   kanji.grfour.hundred_million;
116   tsu_render;
117 endtsuglyph;
118
119 % yuu/yasa "gentle"
120 begintsuglyph("uni512A";42);
121   kanji.grsix.gentle;

```

[see page 2084]

[see page 2085]

122 tsu_render;
 123 endtsuglyph;
 124
 125 % legs radical
 126 begintsuglyph("uni513F";63); [see page 838]
 127 kanji.radical.legs;
 128 tsu_render;
 129 endtsuglyph;
 130
 131 % kotsu "bald"
 132 begintsuglyph("uni5140";64); [see page 989]
 133 kanji.rare.bald;
 134 tsu_render;
 135 endtsuglyph;
 136
 137 % in/shou "permission"
 138 begintsuglyph("uni5141";65); [see page 971]
 139 kanji.grnine.permission;
 140 tsu_render;
 141 endtsuglyph;
 142
 143 % moto/gen "origin"
 144 begintsuglyph("uni5143";67); [see page 555]
 145 kanji.grtwo.origin;
 146 tsu_render;
 147 endtsuglyph;
 148
 149 % nii (as in oniisan) "big brother"
 150 begintsuglyph("uni5144";68); [see page 494]
 151 kanji.grtwo.big_brother;
 152 tsu_render;
 153 endtsuglyph;
 154
 155 % shuu/a "fulfill"
 156 begintsuglyph("uni5145";69); [see page 898]
 157 kanji.greight.fulfill;
 158 tsu_render;
 159 endtsuglyph;
 160
 161 % chou/kiza "portent" or "trillion"
 162 begintsuglyph("uni5146";70); [see page 726]
 163 kanji.grfour.portent;
 164 tsu_render;
 165 endtsuglyph;
 166
 167 % sen "ahead"
 168 begintsuglyph("uni5148";72); [see page 419]
 169 kanji.grone.ahead;

170 tsu_render;
 171 endtsuglyph;
 172
 173 % kou/hikari "shine"
 174 begintsuglyph("uni5149";73); [see page 565]
 175 kanji.grtwo.shine;
 176 tsu_render;
 177 endtsuglyph;
 178
 179 % men/manu "dismiss"
 180 begintsuglyph("uni514D";77); [see page 894]
 181 kanji.greight.dismiss;
 182 tsu_render;
 183 endtsuglyph;
 184
 185 % ko/ji "child"
 186 begintsuglyph("uni5150";80); [see page 2082]
 187 kanji.grfour.child;
 188 tsu_render;
 189 endtsuglyph;
 190
 191 % rare needed for 8AAC
 192 begintsuglyph("uni5151";81); [see page 997]
 193 kanji.rare.cash;
 194 tsu_render;
 195 endtsuglyph;
 196
 197 % hai/i "put it in"
 198 begintsuglyph("uni5165";101); [see page 465]
 199 kanji.grone.put_it_in;
 200 tsu_render;
 201 endtsuglyph;
 202
 203 % zen/matta "complete"
 204 begintsuglyph("uni5168";104); [see page 611]
 205 kanji.grthree.complete;
 206 tsu_render;
 207 endtsuglyph;
 208
 209 % hachi/ya "eight"
 210 begintsuglyph("uni516B";107); [see page 435]
 211 kanji.grone.eight;
 212 tsu_render;
 213 endtsuglyph;
 214
 215 % kou/kimi "public" but also the pronoun kimi
 216 begintsuglyph("uni516C";108); [see page 558]
 217 kanji.grtwo.public;

218 tsu_render;
 219 endtsuglyph;
 220
 221 % roku/mui "six"
 222 begintsuglyph("uni516D";109); [see page 474]
 223 kanji.grone.six;
 224 tsu_render;
 225 endtsuglyph;
 226
 227 % kyou/tomo "together"
 228 begintsuglyph("uni5171";113); [see page 740]
 229 kanji.grfour.together;
 230 tsu_render;
 231 endtsuglyph;
 232
 233 % hei/tsuwamono "soldier"
 234 begintsuglyph("uni5175";117); [see page 735]
 235 kanji.grfour.soldier;
 236 tsu_render;
 237 endtsuglyph;
 238
 239 % ki/so "that" (as in sore and sono)
 240 begintsuglyph("uni5176";118); [see page 978]
 241 kanji.grnine.that;
 242 tsu_render;
 243 endtsuglyph;
 244
 245 % gu/sona "ingredient"
 246 begintsuglyph("uni5177";119); [see page 632]
 247 kanji.grthree.ingredient;
 248 tsu_render;
 249 endtsuglyph;
 250
 251 % ten/suke "rule"
 252 begintsuglyph("uni5178";120); [see page 730]
 253 kanji.grfour.rule;
 254 tsu_render;
 255 endtsuglyph;
 256
 257 % George Michael's Moustache
 258 begintsuglyph("uni5182";130); [see page 836]
 259 kanji.radical.gmm;
 260 tsu_render;
 261 endtsuglyph;
 262
 263 % nai/uchi "home, me"
 264 begintsuglyph("uni5185";133); [see page 528]
 265 kanji.grtwo.home;

266 tsu_render;
 267 endtsuglyph;
 268
 269 % en "yen" (currency unit)
 270 begintsuglyph("uni5186";134); [see page 2080]
 271 kanji.grone.yen;
 272 tsu_render;
 273 endtsuglyph;
 274
 275 % terra-cotta colour, needed for grade five "again"
 276 begintsuglyph("uni5189";137); [see page 1049]
 277 kanji.rare.terracotta;
 278 tsu_render;
 279 endtsuglyph;
 280
 281 % sai/futata "again"
 282 begintsuglyph("uni518D";141); [see page 746]
 283 kanji.grfive.again;
 284 tsu_render;
 285 endtsuglyph;
 286
 287 % kei/akiraka "clear"
 288 begintsuglyph("uni518F";143); [see page 999]
 289 kanji.rare.clear;
 290 tsu_render;
 291 endtsuglyph;
 292
 293 % used in "posture"
 294 begintsuglyph("uni5193";147); [see page 1021]
 295 kanji.rare.inner_palace;
 296 tsu_render;
 297 endtsuglyph;
 298
 299 % like silly-hat minus the upper bobble
 300 begintsuglyph("uni5196";150); [see page 830]
 301 kanji.radical.conservative_hat;
 302 tsu_render;
 303 endtsuglyph;
 304
 305 % sha/utsu "copy" (often photo)
 306 begintsuglyph("uni5199";153); [see page 2081]
 307 kanji.grthree.copy;
 308 tsu_render;
 309 endtsuglyph;
 310
 311 % tou/fuyu "winter"
 312 begintsuglyph("uni51AC";172); [see page 589]
 313 kanji.grtwo.winter;


```

314   tsu_render;
315 endtsuglyph;
316
317 % rei/tsume "chill"
318 begintsuglyph("uni51B7";183); [see page 2083]
319   kanji.grfour.chill;
320   tsu_render;
321 endtsuglyph;
322
323 % ki/kinyou "windy radical"
324 begintsuglyph("uni51E0";224); [see page 860]
325   kanji.radical.windy;
326   tsu_render;
327 endtsuglyph;
328
329 % bon/oyoso "mediocre"
330 begintsuglyph("uni51E1";225); [see page 913]
331   kanji.greight.mediocre;
332   tsu_render;
333 endtsuglyph;
334
335 % kan "open box radical"
336 begintsuglyph("uni51F5";245); [see page 847]
337   kanji.radical.open_box;
338   tsu_render;
339 endtsuglyph;
340
341 % de "go away"
342 begintsuglyph("uni51FA";250); [see page 443]
343   kanji.grone.go_away;
344   tsu_render;
345 endtsuglyph;
346
347 _____
348
349 endfont;
350
351 _____

```

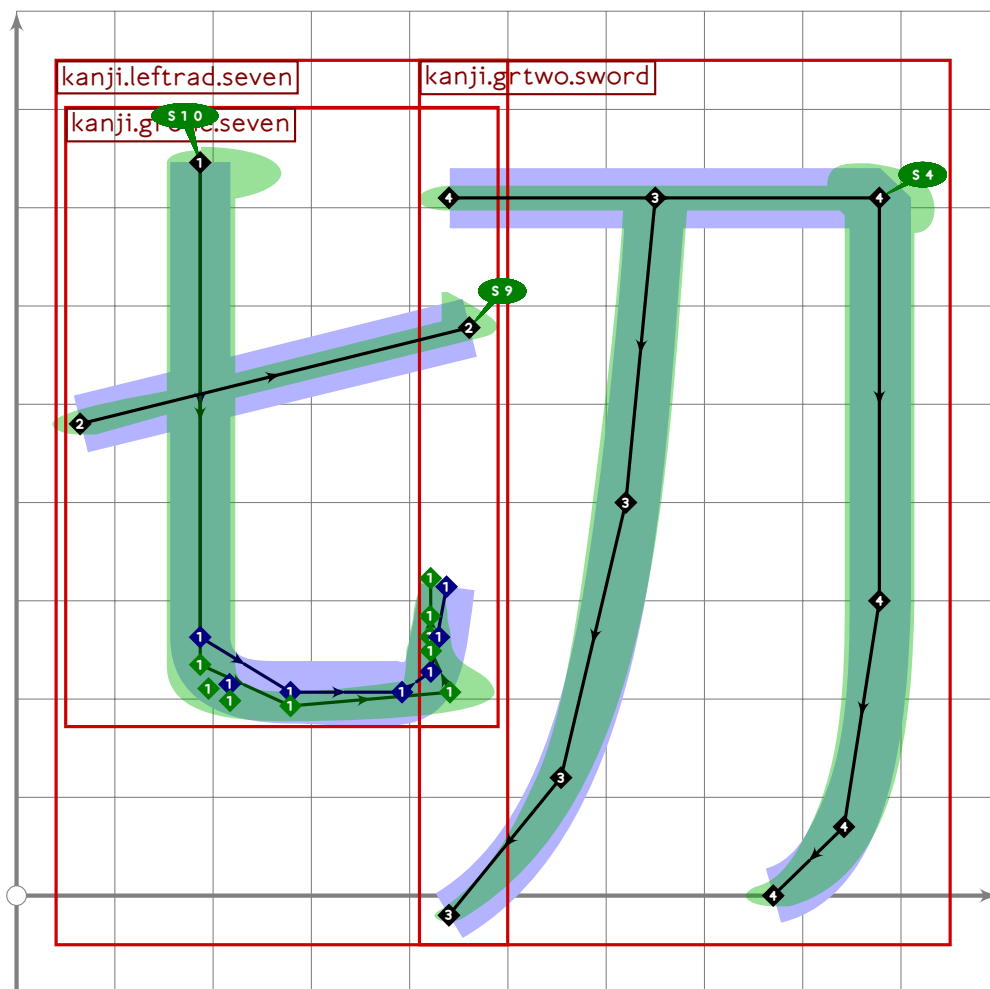
```
1 %
2 % Unicode page 52 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bottomrad.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49 input rightrad.mp;
50 input toprad.mp;
51
52 do_late_includes;
53
54 

---

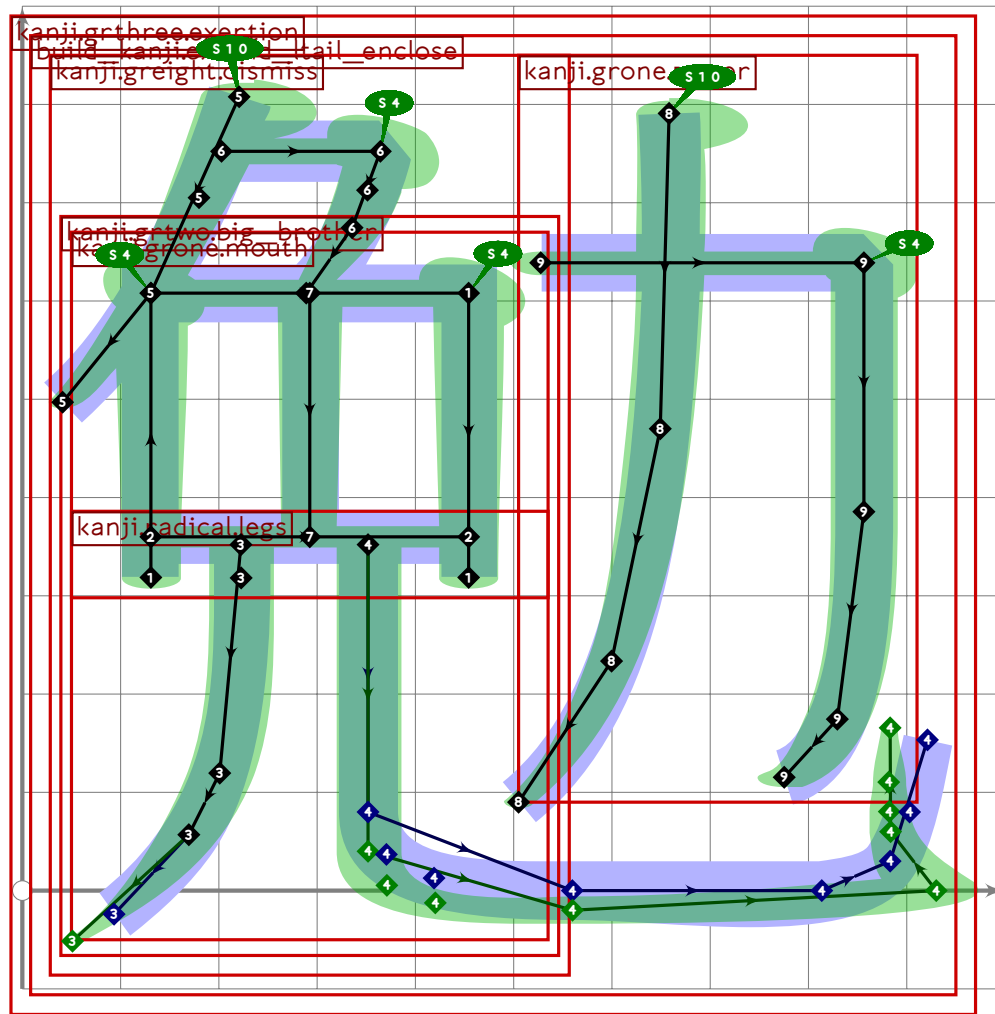

```



```

55
56 vardef kanji.grtwo.cut =
57   build_kanji.level(build_kanji.lr(450,80)
58     (kanji.leftrad.seven)
59     (kanji.grtwo.sword));
60 enddef;
61
62

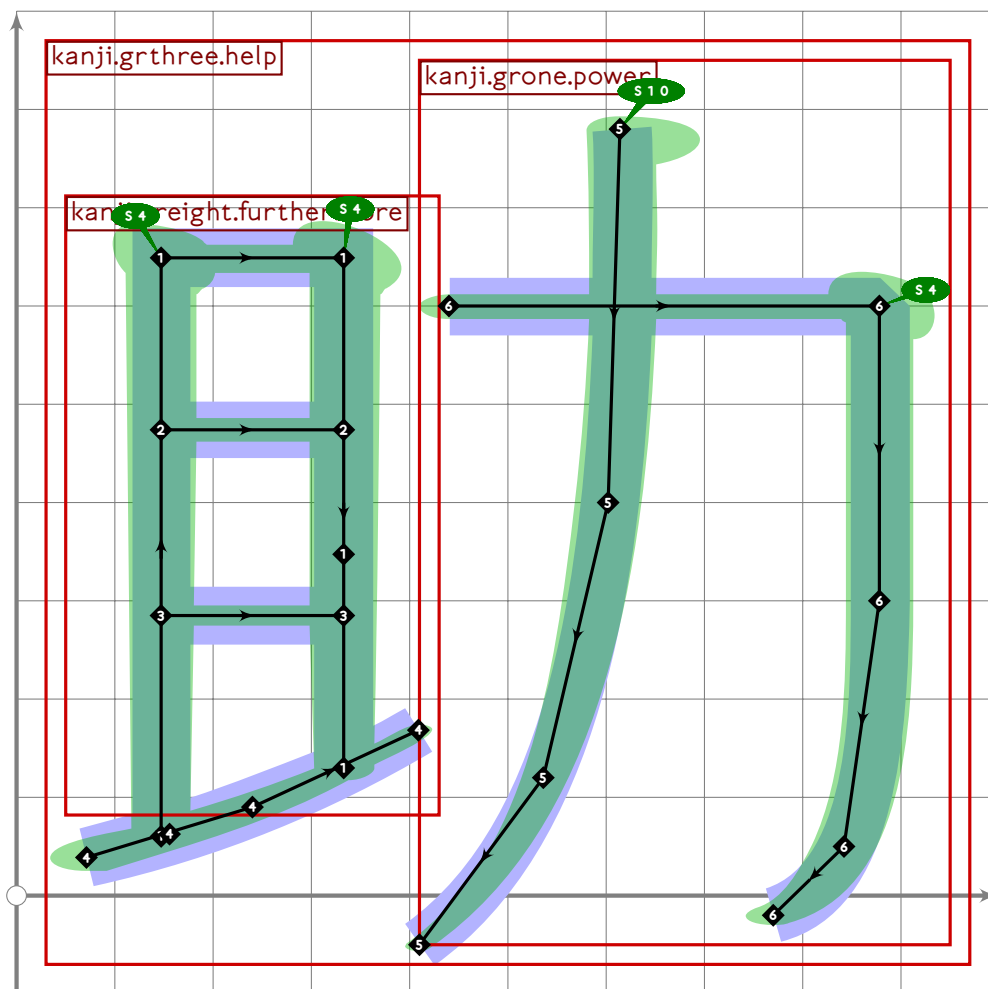
```



```

63
64 vardef kanji.grthree.exertion =
65   push_pbox_toexpand("kanji.grthree.exertion");
66   build_kanji.extend_ltail_enclose(520,30)
67   (kanji.greight.dismiss)
68   (kanji.grone.power);
69   expand_pbox;
70 enddef;

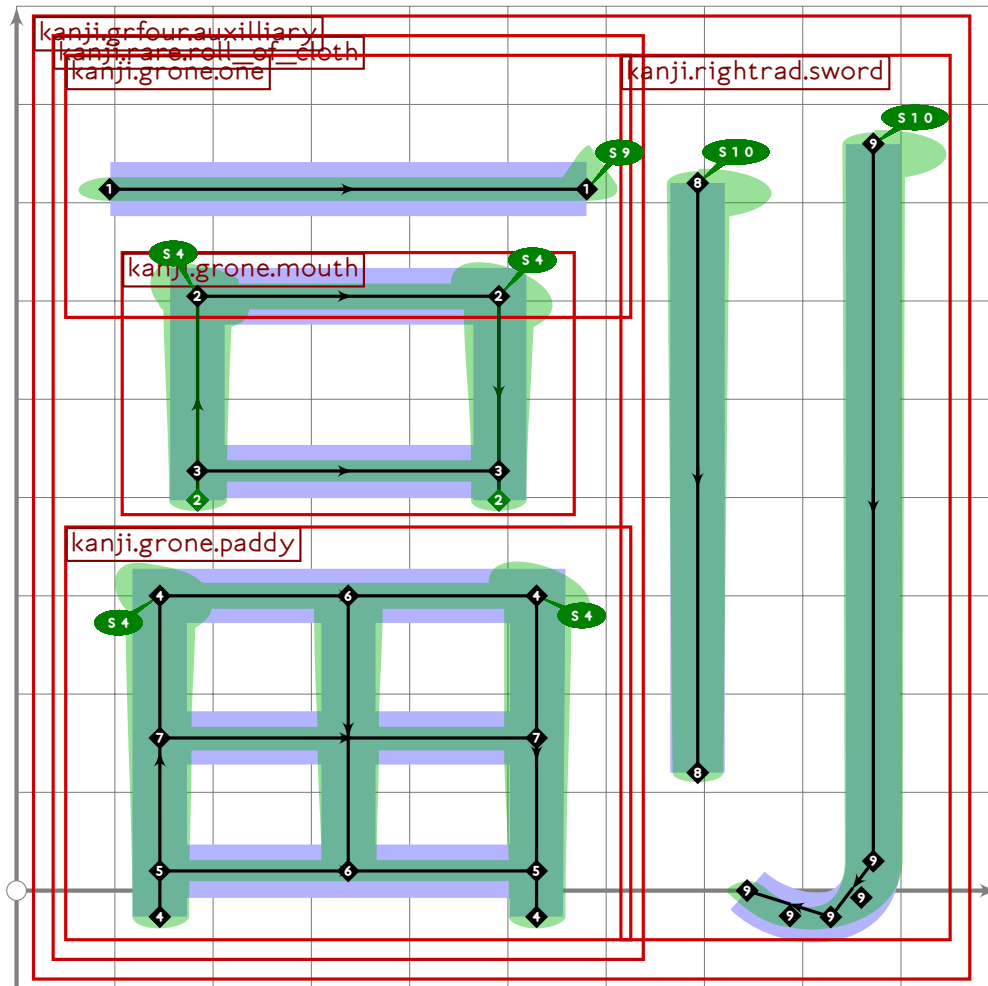
```



```

71
72 vardef kanji.grthree.help =
73   push_pbox_toexpand("kanji.grthree.help");
74   build_kanji.level(build_kanji.lr(420,20)
75     (build_kanji.lift_skirt(230,170)
76       (build_kanji.sscale(yscaled 0.7)
77         (kanji.greight.furthermore);
78         replace_stroke(0)(oldp shifted (0,-80));
79         replace_stroke(-3)((point 0 of oldp shifted (0,-80))-
80           (subpath (1,length oldp-1) of oldp)-
81           (point infinity of oldp shifted (0,-80))))))
82   (kanji.grone.power));
83   expand_pbox;
84 enddef;
85
86

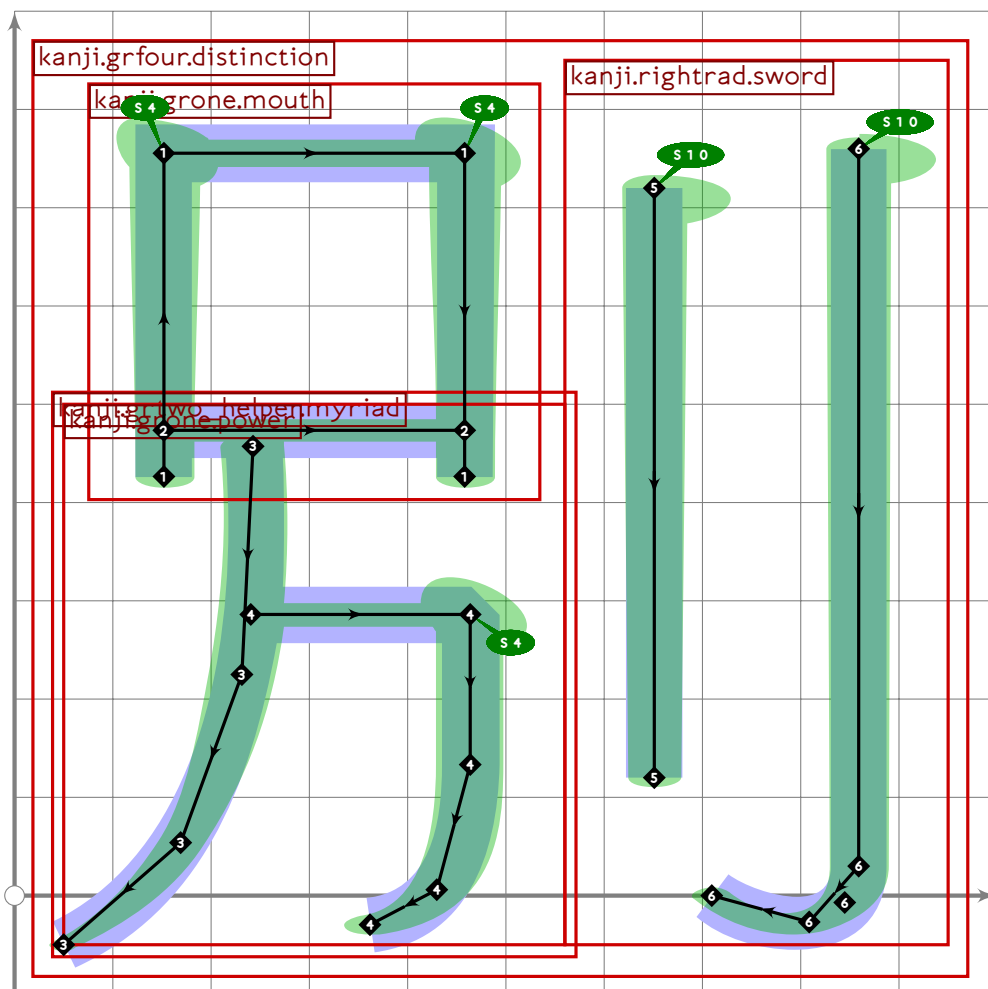
```



```

87
88 vardef kanji.grfour.auxilliary =
89   push_pbox_toexpand("kanji.grfour.auxilliary");
90   build_kanji.level(build_kanji.lr(620,10)
91     (kanji.rare.roll_of_cloth)
92     (kanji.rightrad.sword));
93   expand_pbox;
94 enddef;

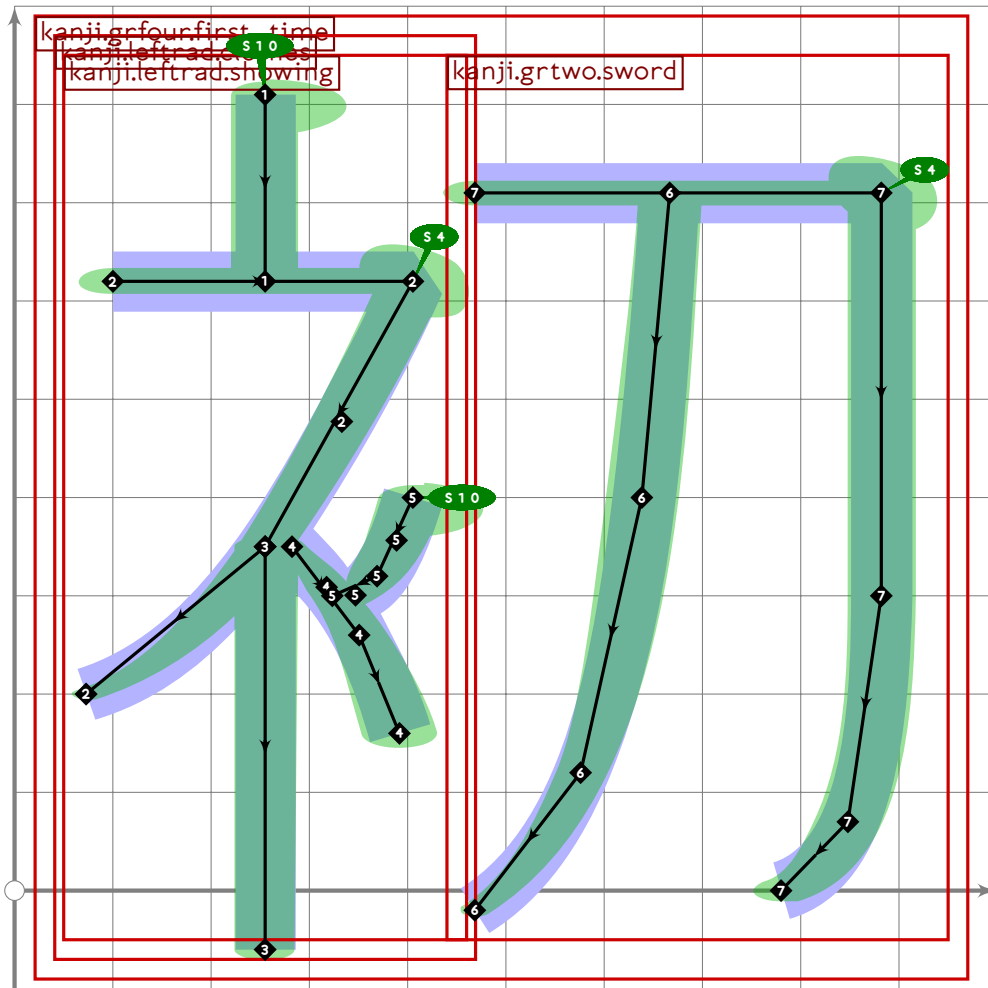
```



```

95
96 vardef kanji.grfour.distinction =
97   push_pbox_toexpand("kanji.grfour.distinction");
98   build_kanji.level(build_kanji.lr(560,0)
99     (build_kanji.tb(440,120)
100       (build_kanji.sscale(scaled 0.9)(kanji.grone.mouth))
101       (kanji.grtwo_helper.myriad;
102         set_boserif(-1,0,whatever)))
103     (kanji.rightrad.sword));
104   expand_pbox;
105 enddef;

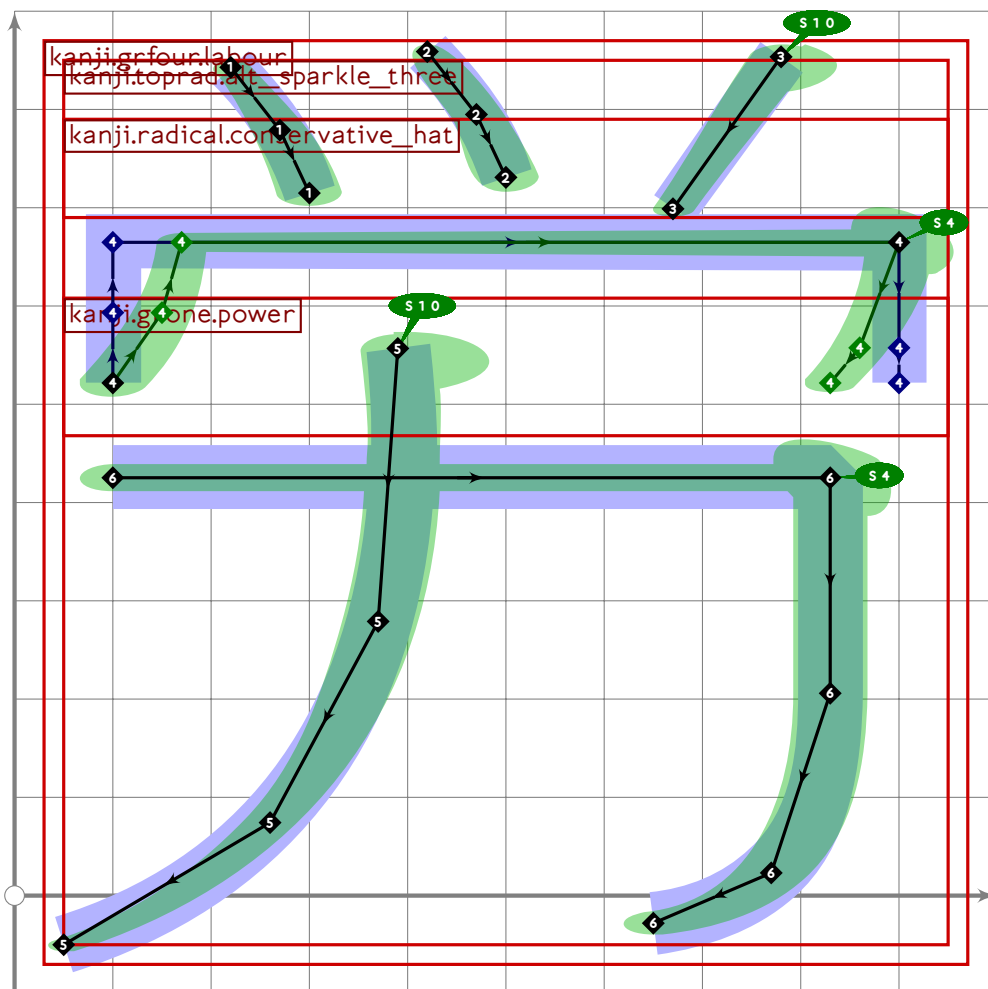
```



```

106
107 vardef kanji.grfour.first_time =
108   push_pbox_toexpand("kanji.grfour.first_time");
109   build_kanji.level(build_kanji.lr(450,20)
110     (kanji.leftrad.clothes)
111     (kanji.grtwo.sword));
112   expand_pbox;
113 enddef;

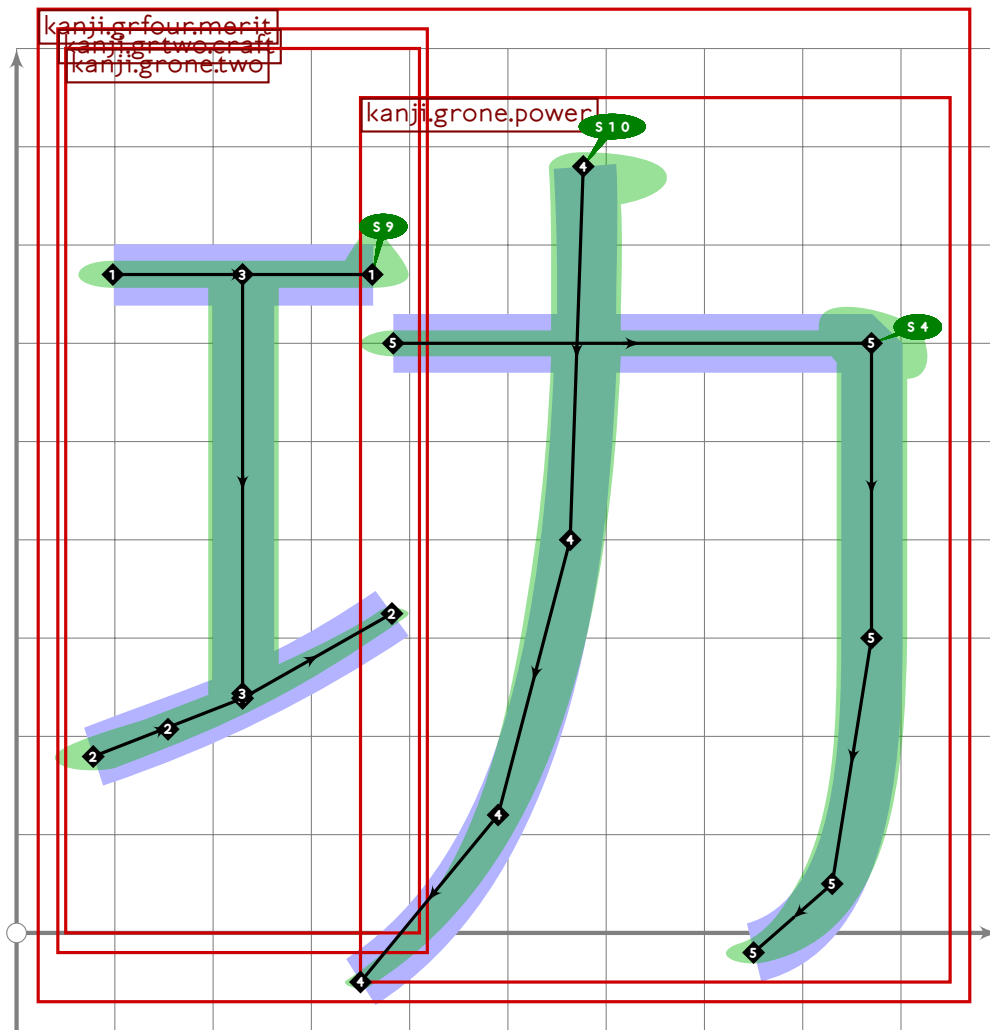
```

```

114
115 vardef kanji.grfour.labour =
116   push_pbox_toexpand("kanji.grfour.labour");
117   build_kanji.tb(740,100)
118     (kanji.toprad.alt_sparkle_three)
119     (build_kanji.tb(580,150)
120       (kanji.radical.conservative_hat)
121       (kanji.grone.power));
122   expand_pbox;
123 enddef;

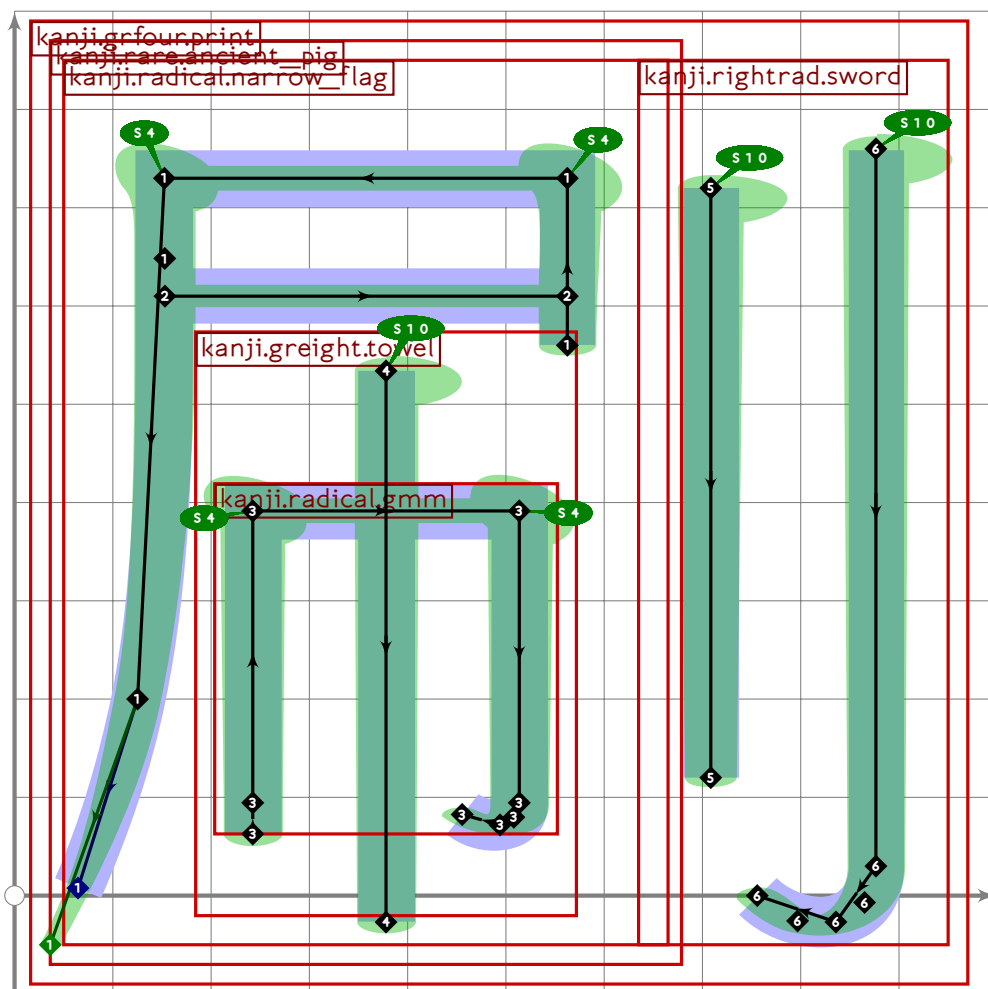
```



```

124
125 vardef kanji.grfour.merit =
126   push_pbox_toexpand("kanji.grfour.merit");
127   build_kanji.level(build_kanji.lr(380,60)
128     (tsu_xform(identity shifted (0,50))(build_kanji.lift_skirt(400,250)
129       (kanji.grtwo.craft)))
130     (kanji.grone.power));
131   expand_pbox;
132 enddef;

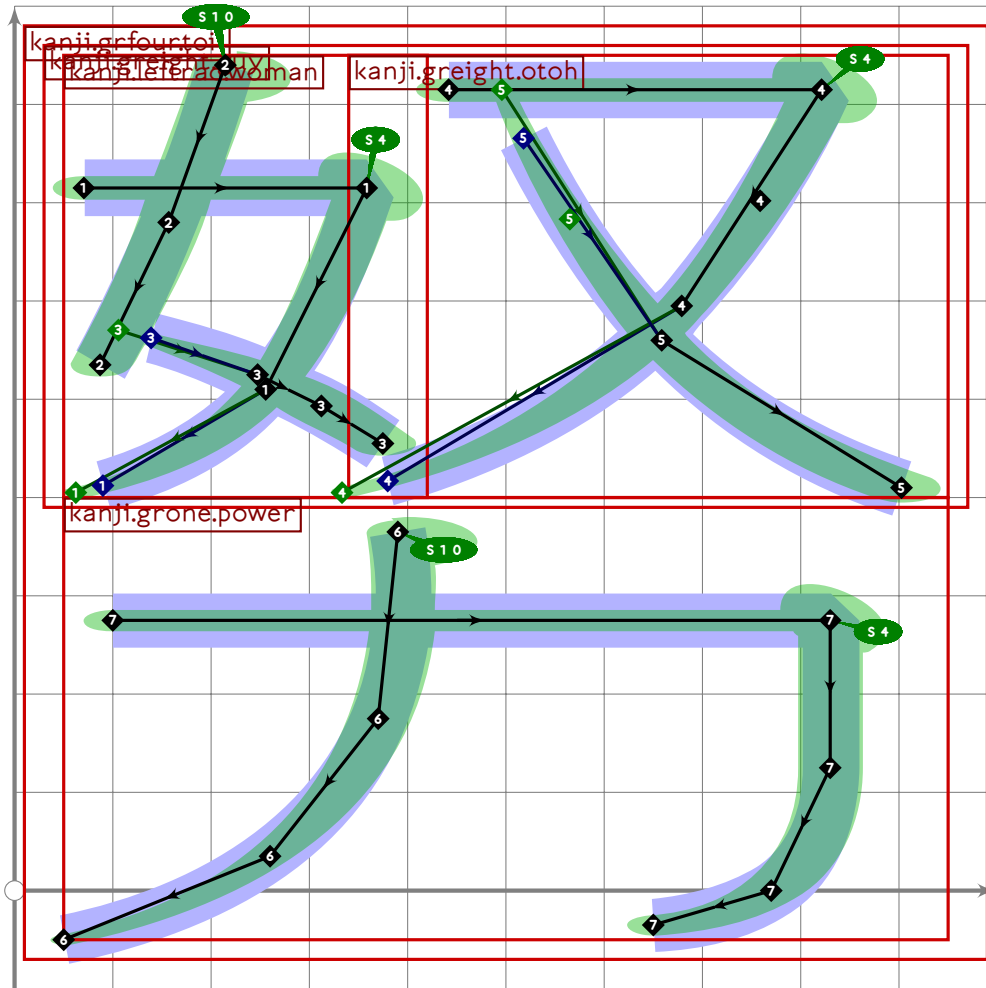
```



```

133
134 vardef kanji.grfour.print =
135   push_pbox_toexpand("kanji.grfour.print");
136   build_kanji.level(build_kanji.lr(650,30)
137     (kanji.rare.ancient_pig)
138     (kanji.rightrad.sword));
139   expand_pbox;
140 enddef;

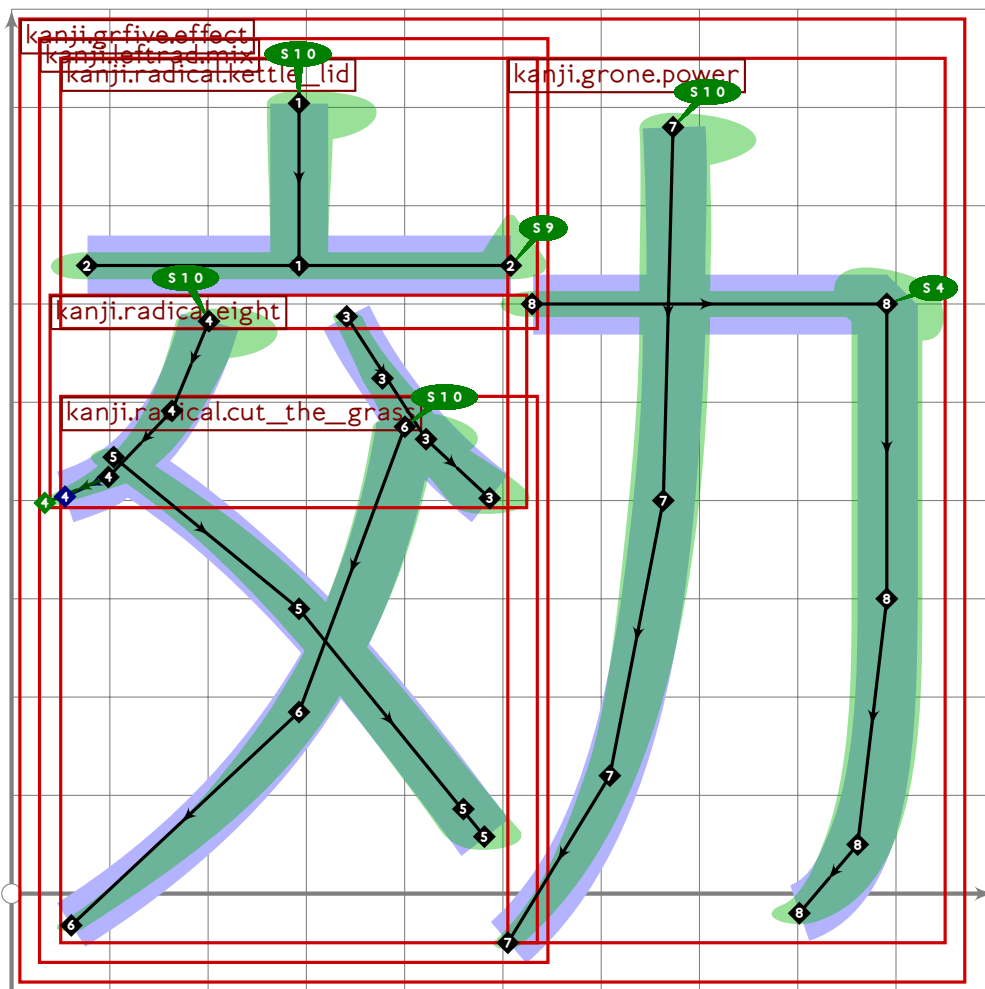
```



```

141
142 vardef kanji.grfourtoil =
143   push_pbox_toexpand("kanji.grfourtoil");
144   build_kanji.level(build_kanji.tb(400,0)
145     (kanji.greight.guy)
146     (kanji.grone.power));
147   expand_pbox;
148 enddef;
149
150

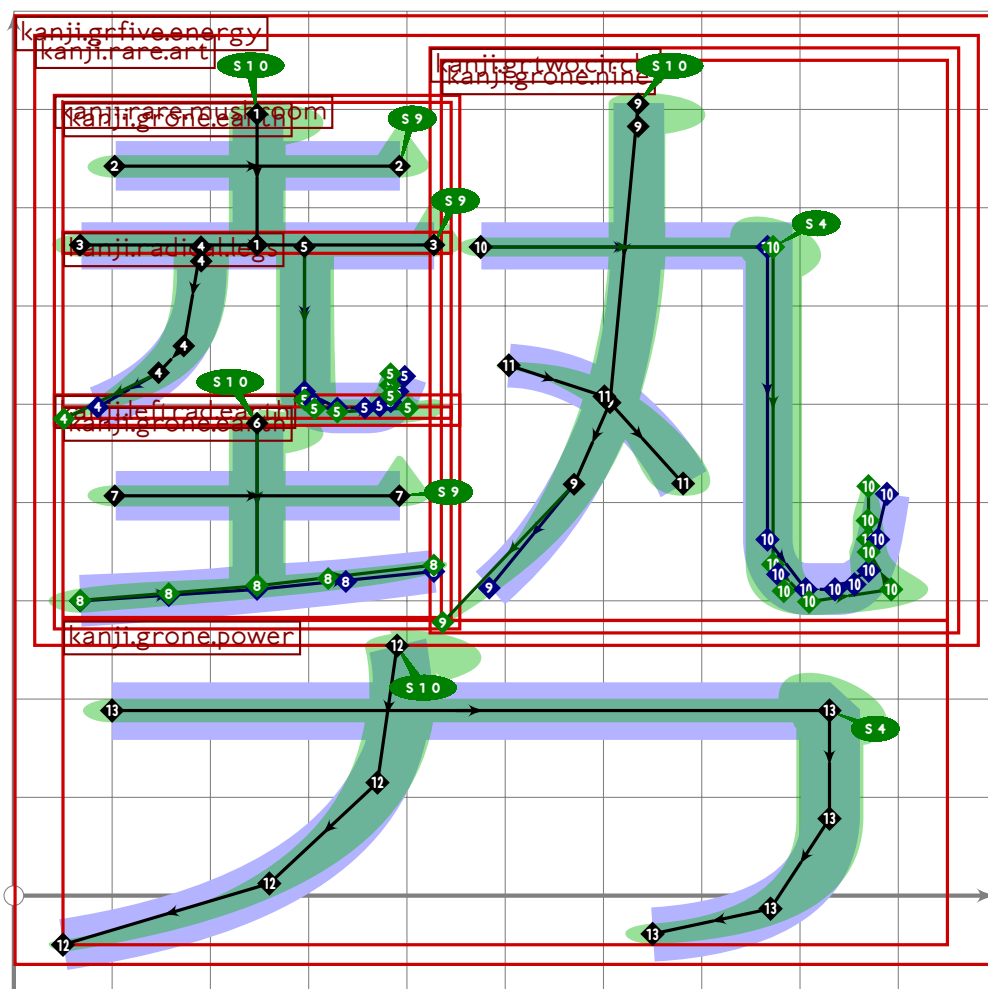
```



```

151
152 vardef kanji.grfive.effect =
153   push_pbox_toexpand("kanji.grfive.effect");
154   build_kanji.lr(520,30)
155     (kanji.leftrad.mix)
156     (kanji.grone.power);
157   expand_pbox;
158 enddef;

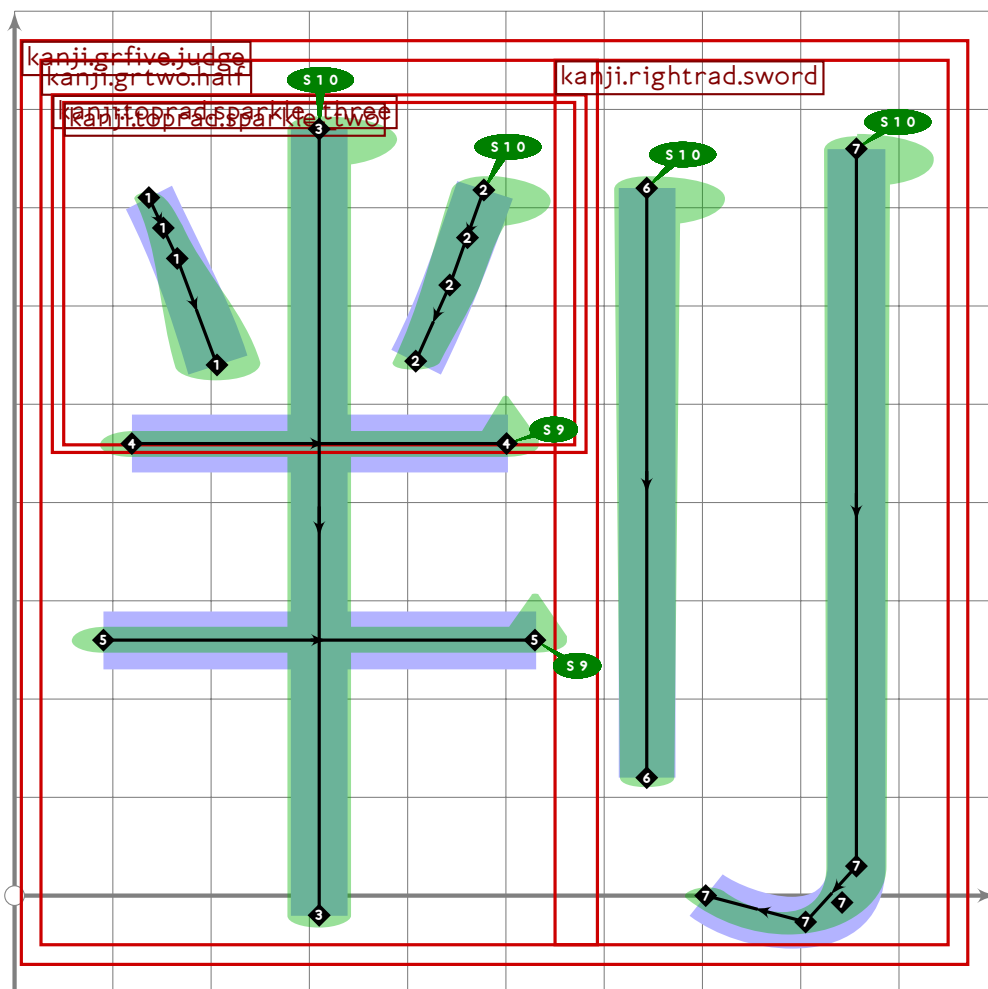
```



```

159
160 vardef kanji.grfive.energy =
161   push_pbox_toexpand("kanji.grfive.energy");
162   build_kanji.tb(280,0)
163     (kanji.rare.art)
164     (kanji.grone.power);
165   expand_pbox;
166 enddef;

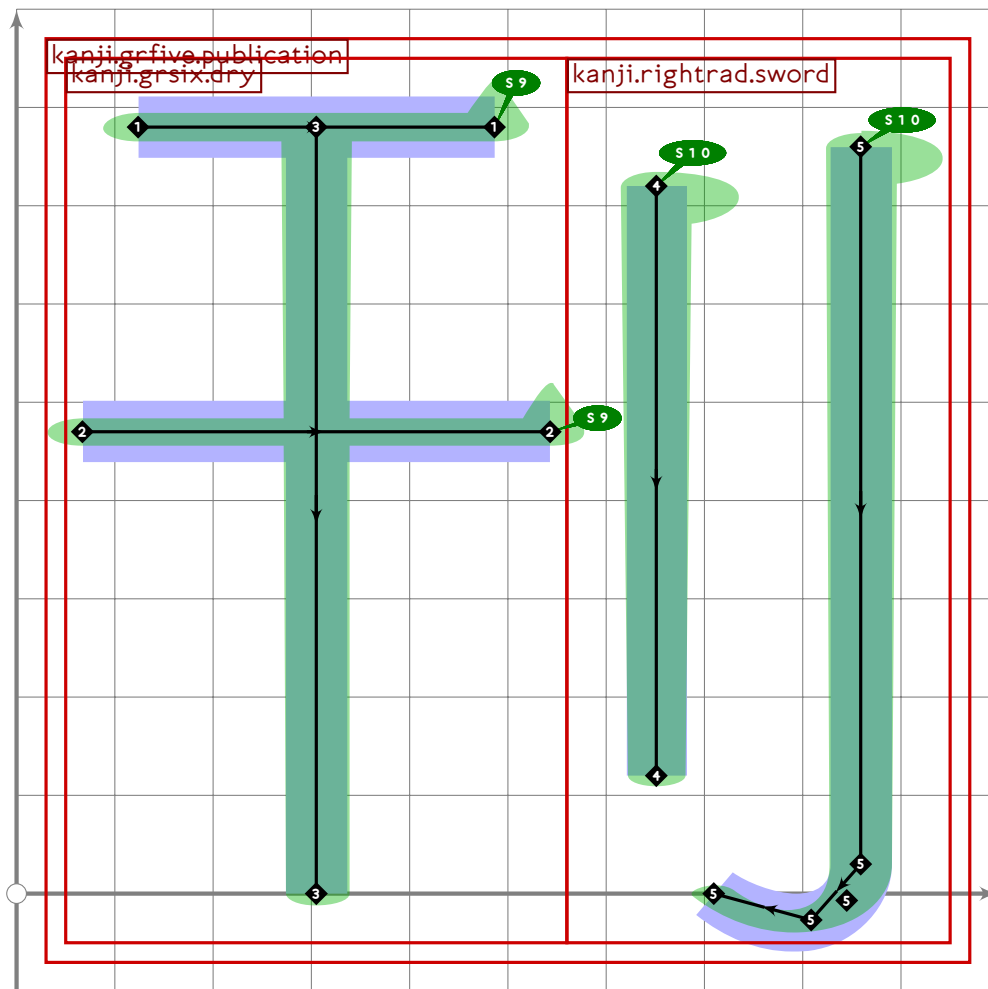
```



```

167
168 vardef kanji.grfive.judge =
169   push_pbox_toexpand("kanji.grfive.judge");
170   build_kanji.level(build_kanji.lr(560,20)
171     (kanji.grtwo.half)
172     (kanji.rightrad.sword));
173   expand_pbox;
174 enddef;

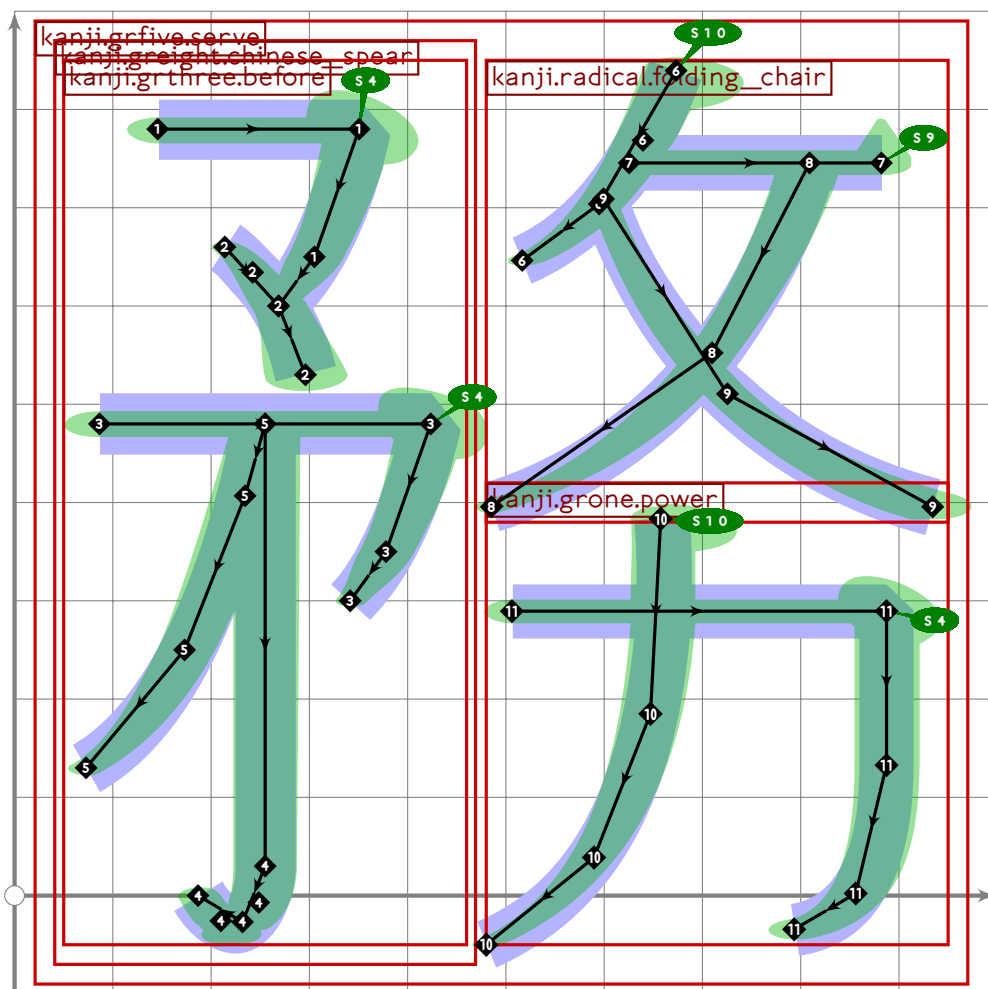
```



```

175
176 vardef kanji.grfive.publication =
177   push_pbox_toexpand("kanji.grfive.publication");
178   build_kanji.level(build_kanji.lr(560,0)
179     (kanji.grsix.dry)
180     (kanji.rightrad.sword));
181   expand_pbox;
182 enddef;

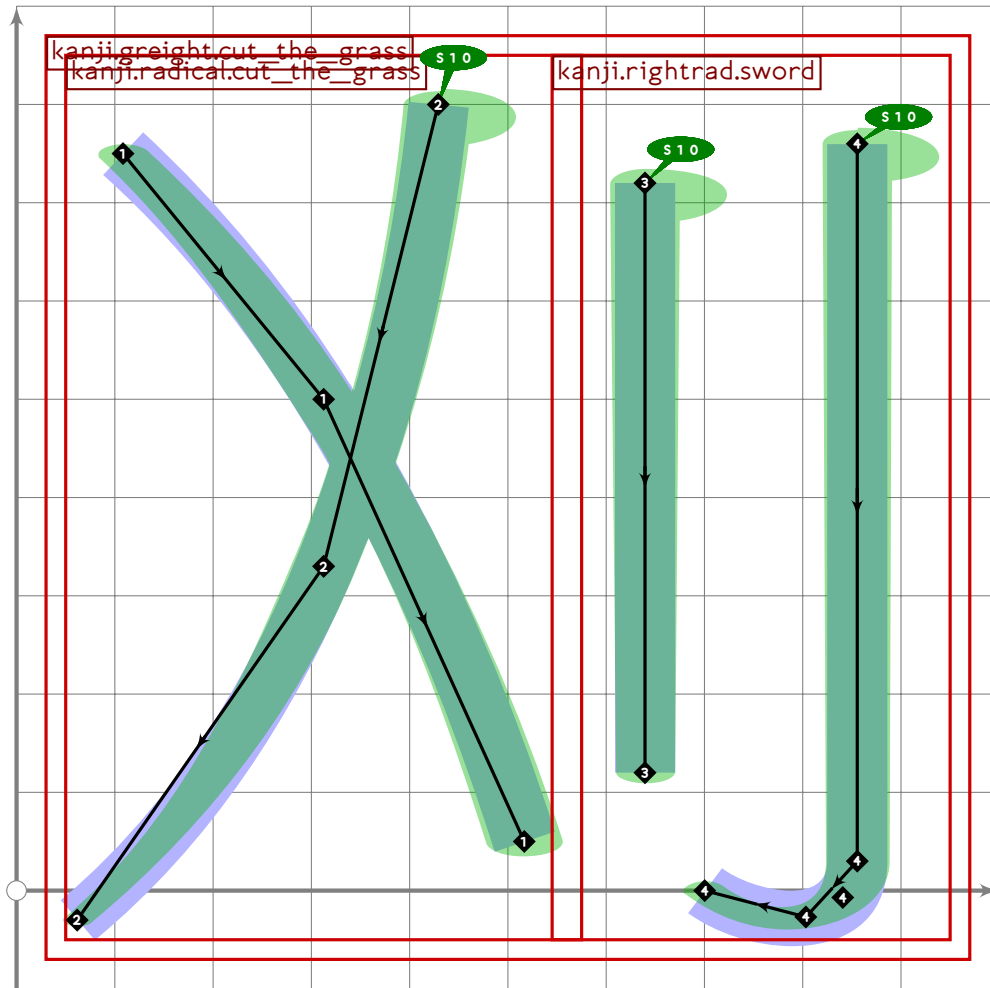
```

```

183
184 vardef kanji.grfive.serve =
185   push_pbox_toexpand("kanji.grfive.serve");
186   build_kanji.lr(470,-20)
187     (kanji.greight.chinese_spear)
188     (build_kanji.tb(400,40)
189       (kanji.radical.folding_chair)
190       (kanji.grone.power));
191   expand_pbox;
192 enddef;
193
194

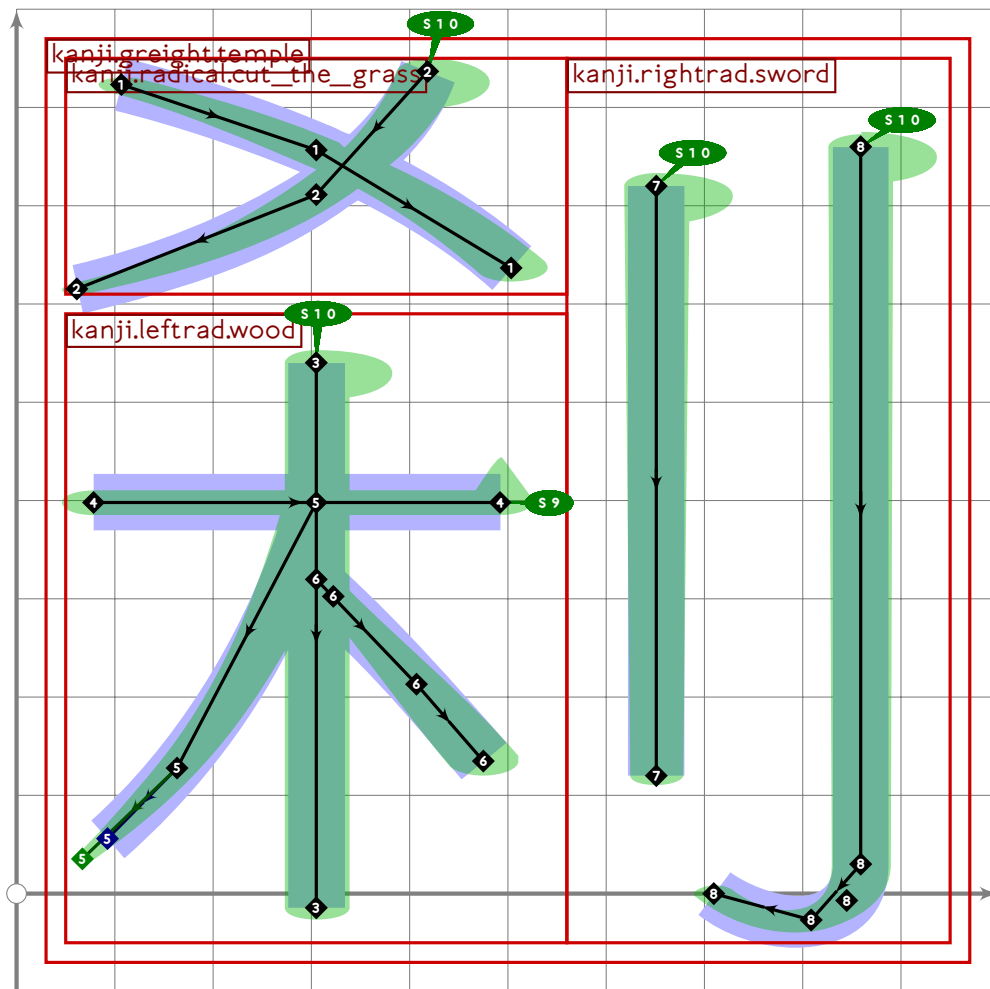
```



```

195
196 vardef kanji.greight.cut_the_grass =
197   push_pbox_toexpand("kanji.greight.cut_the_grass");
198   build_kanji.level(build_kanji.lr(560,30)
199     (kanji.radical.cut_the_grass)
200     (kanji.rightrad.sword));
201   expand_pbox;
202 enddef;

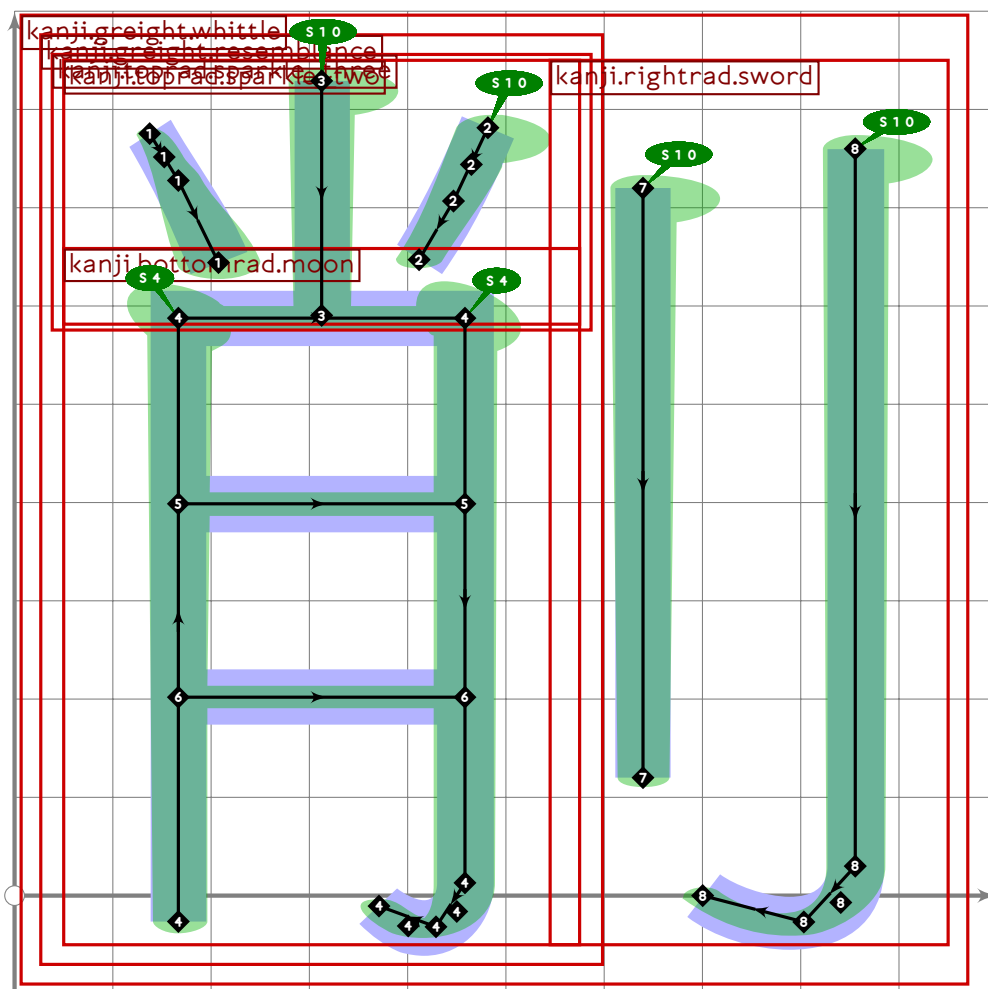
```



```

203
204 vardef kanji.greight.temple =
205   push_pbox_toexpand("kanji.greight.temple");
206   build_kanji.level(build_kanji.lr(560,0)
207     (build_kanji.tb(600,-20)
208       (kanji.radical.cut_the_grass)
209       (kanji.leftrad.wood))
210     (kanji.rightrad.sword));
211   expand_pbox;
212 enddef;

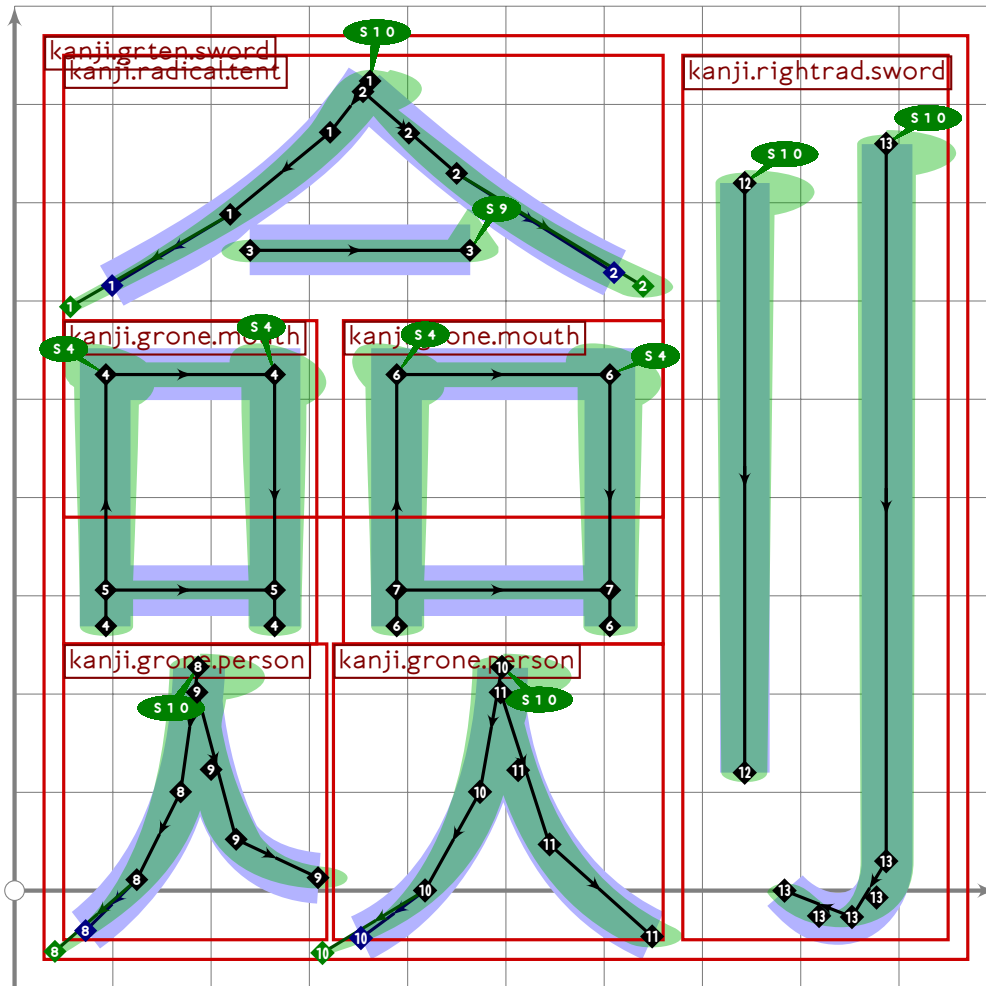
```



```

213
214 vardef kanji.greight.whittle =
215   push_pbox_toexpand("kanji.greight.whittle");
216   build_kanji.level(build_kanji.lr(560,30)
217     (kanji.greight.resemblance)
218     (kanji.rightrad.sword));
219   expand_pbox;
220 enddef;
221
222

```



```

223
224 vardef kanji.grten.sword =
225   push_pbox_toexpand("kanji.grten.sword");
226   build_kanji.level(build_kanji.lr(670,-20)
227     (build_kanji.tb(480,200)
228       (kanji.radical.tent)
229       (build_kanji.tb(380,0)
230         (build_kanji.lr(450,-40)
231           (kanji.grone.mouth)
232           (kanji.grone.mouth))
233         (build_kanji.lr(450,-10)
234           (build_kanji.lift_skirt(280,170)(kanji.grone.person))
235           (kanji.grone.person))))
236   (kanji.rightrad.sword));
237   expand_pbox;
238 enddef;
239
240
241
242 vardef build_kanji.extend_ltail_enclose(expr splitpoint,overlap)
243   (text leftstuff)(text rightstuff) =

```

```

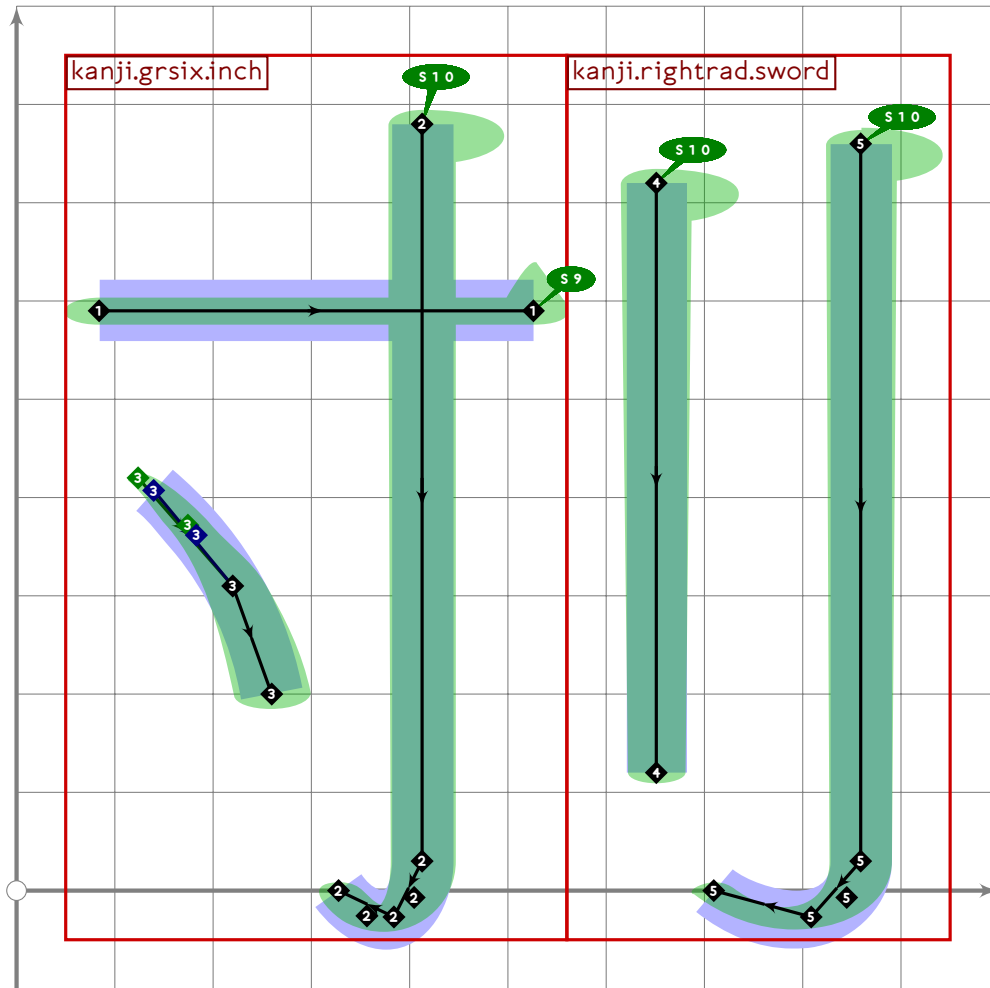
244 perl_structure:=perl_structure&"eids.u2FFA.1_4.2_3,[';
245 push_pbox_toexpand("build_kanji.extend_ltail_enclose");
246 perl_structure:=perl_structure&""]";
247 begingroup
248   save myxf,ele_curve,i,fsi;
249   transform myxf[];
250   numeric ele_curve,i,fsi;
251   (50,-50) transformed myxf1=(50,90);
252   (50,850) transformed myxf1=(50,850);
253   (950,850) transformed myxf1=(870,850);
254   build_kanji.lr(splitpoint,overlap)
255     (perl_structure:=perl_structure&""];
256     leftstuff;
257     ele_curve:=last_ltail)
258     (tsu_xform(myxf1)(rightstuff);
259     perl_structure:=perl_structure&"",["");
260   obstackp[ele_curve]:=
261     subpath (0,length obstackp[ele_curve]-6) of obstackp[ele_curve];
262   obstackq[ele_curve]:=
263     subpath (0,length obstackq[ele_curve]-6) of obstackq[ele_curve];
264   i:=0;
265   forever:
266     fsi:=find_stroke(i);
267     if fsi=last_ltail:
268       build_kanji.add_ltail(i);
269     fi;
270     exitif fsi=last_ltail;
271     i:=i+1;
272   endfor;
273   (ulcorner obstackp[ele_curve]) transformed myxf2=
274     ulcorner obstackp[ele_curve];
275   (llcorner obstackp[ele_curve]) transformed myxf2=
276     llcorner obstackp[ele_curve];
277   (xpart lrcorner obstackp[ele_curve],50) transformed myxf2=
278     (930,50);
279   obstackp[ele_curve]:=obstackp[ele_curve] transformed myxf2;
280 endgroup;
281 perl_structure:=perl_structure&"[";
282 expand_pbox;
283 enddef;
284
285
286
287 vardef kanji.leftrad.mix =
288   push_pbox_toexpand("kanji.leftrad.mix");
289   build_kanji.level(build_kanji.tb(610,70)
290     (kanji.radical.kettle_lid)
291     (build_kanji.tb(620,100)

```

```

292      (tsu_xform(identity shifted (-20;150))(kanji.radical.eight))
293      (build_kanji.lift_skirt(250,110)(kanji.radical.cut_the_grass)))));
294  expand_pbox;
295 enddef;
296
297 _____
298
299 % tou/katana "sword"
300 begintsuglyph("uni5200",0); [see page 575]
301   kanji.grtwo.sword;
302   tsu_render;
303 endtsuglyph;
304
305 % tou "sword radical"
306 begintsuglyph("uni5202",2); [see page 870]
307   kanji.rightrad.sword;
308   tsu_render;
309 endtsuglyph;
310
311 % bun/wa "minute" or "understand" (wakarimasu ka?)
312 begintsuglyph("uni5206",6); [see page 543]
313   kanji.grtwo.minute;
314   tsu_render;
315 endtsuglyph;
316
317 % setsu/ki "cut"
318 begintsuglyph("uni5207",7); [see page 2092]
319   kanji.grtwo.cut;
320   tsu_render;
321 endtsuglyph;
322
323 % gai/ka "mow"
324 begintsuglyph("uni5208",8); [see page 2107]
325   kanji.greight.cut_the_grass;
326   tsu_render;
327 endtsuglyph;
328
329 % kan "publication"
330 begintsuglyph("uni520A",10); [see page 2105]
331   kanji.grfive.publication;
332   tsu_render;
333 endtsuglyph;
334

```



```

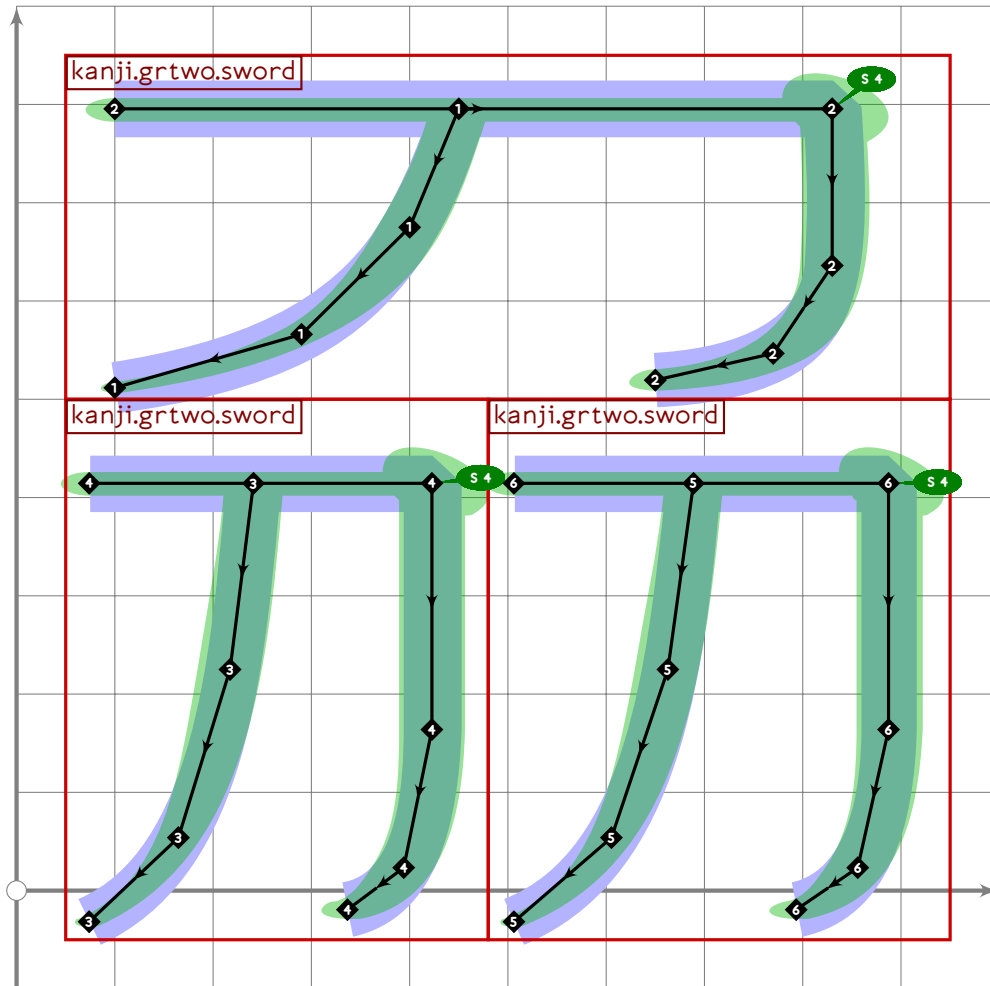
335 % extra
336 begintsuglyph("uni520C";12);
337   build_kanji.level(build_kanji.lr(560,0)
338     (kanji.grsix.inch)
339     (kanji.rightrad.sword));
340   tsu_render;
341 endtsuglyph;
342
343 % kei "punish"
344 begintsuglyph("uni5211";17);
345   kanji.greight.punish;
346   tsu_render;
347 endtsuglyph;
348

```

[see page 922]

U+5215
tsuku.uni5215

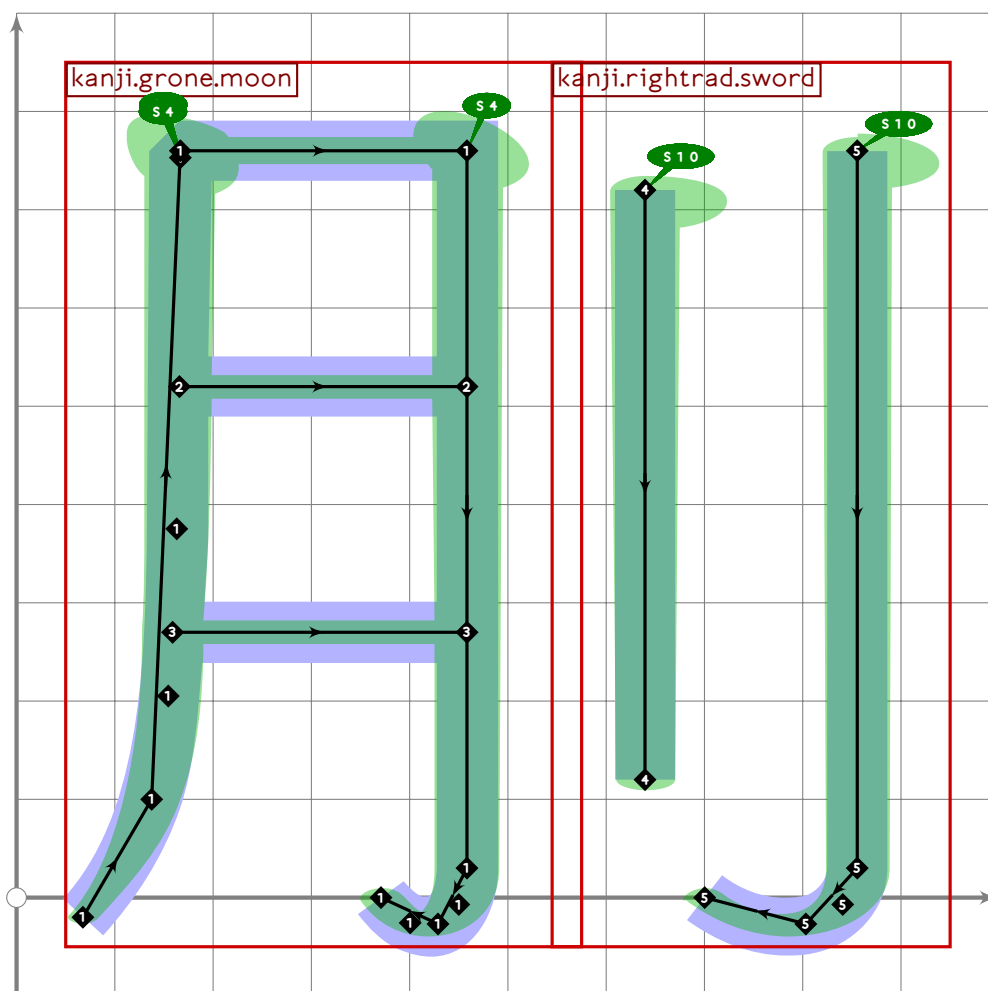
52



```

349 % extra
350 begint Suglyph("uni5215";21);
351   build_kanji.level(build_kanji.tricluster(1)
352     (kanji.grtwo.sword)
353     (kanji.grtwo.sword)
354     (kanji.grtwo.sword));
355   tsu_render;
356 endtsuglyph;
357

```

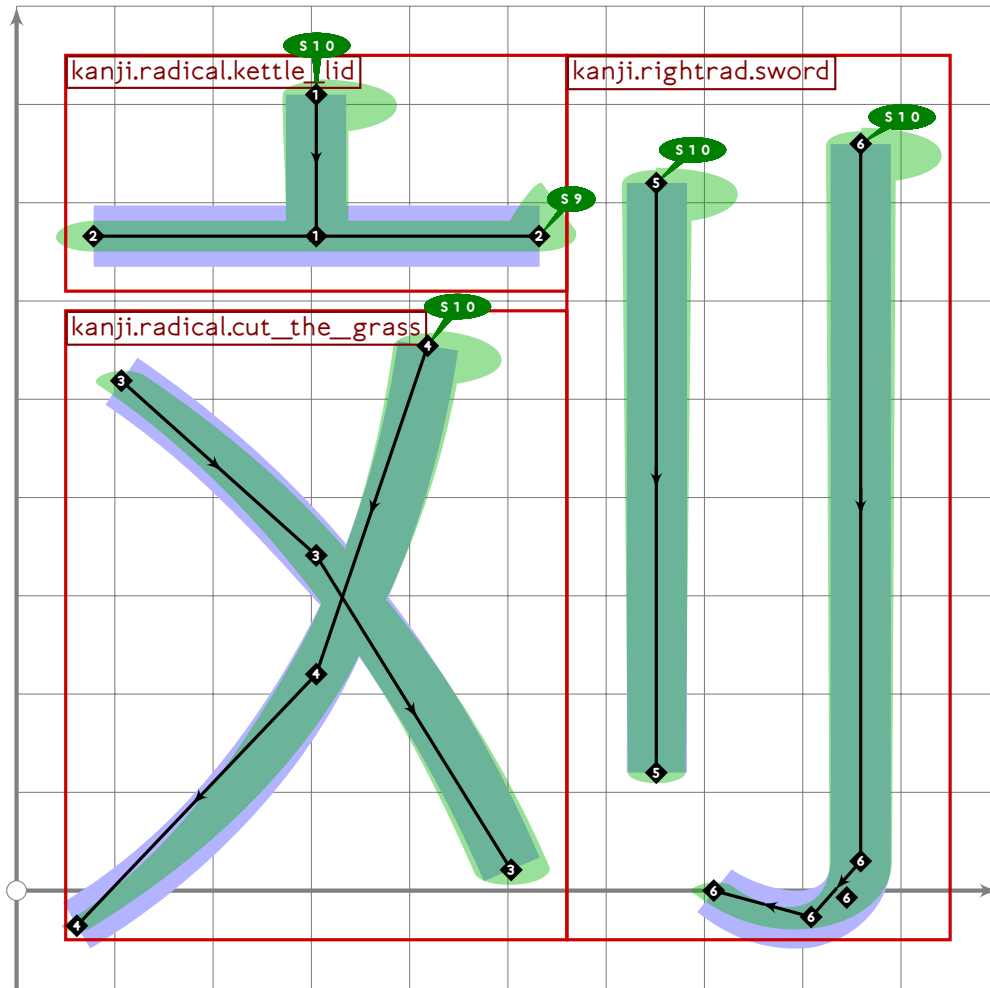


```

358 % extra: punishment by cutting off the feet (wtf?)
359 begintsuglyph("uni5216";22);
360 build_kanji.level(build_kanji.lr(560,30)
361   (kanji.grone.moon)
362   (kanji.rightrad.sword));
363 tsu_render;
364 endtsuglyph;
365
366 % retsu "column"
367 begintsuglyph("uni5217";23);
368 kanji.grthree.column;
369 tsu_render;
370 endtsuglyph;
371

```

[see page 609]



```

372 % extra: kill, destroy
373 begintsuglyph("uni5218";24);
374   build_kanji.level(build_kanji.lr(560,0)
375     (build_kanji.tb(600,-20)
376       (kanji.radical.kettle_lid)
377       (kanji.radical.cut_the_grass))
378     (kanji.rightrad.sword));
379   tsu_render;
380 endtsuglyph;
381
382 % sho/haji "first time"
383 begintsuglyph("uni521D";29);
384   kanji.grfour.first_time;
385   tsu_render;
386 endtsuglyph;
387
388 % han/kawa "judge"
389 begintsuglyph("uni5224";36);
390   kanji.grfive.judge;
391   tsu_render;
392 endtsuglyph;

```

[see page 2097]

[see page 2104]

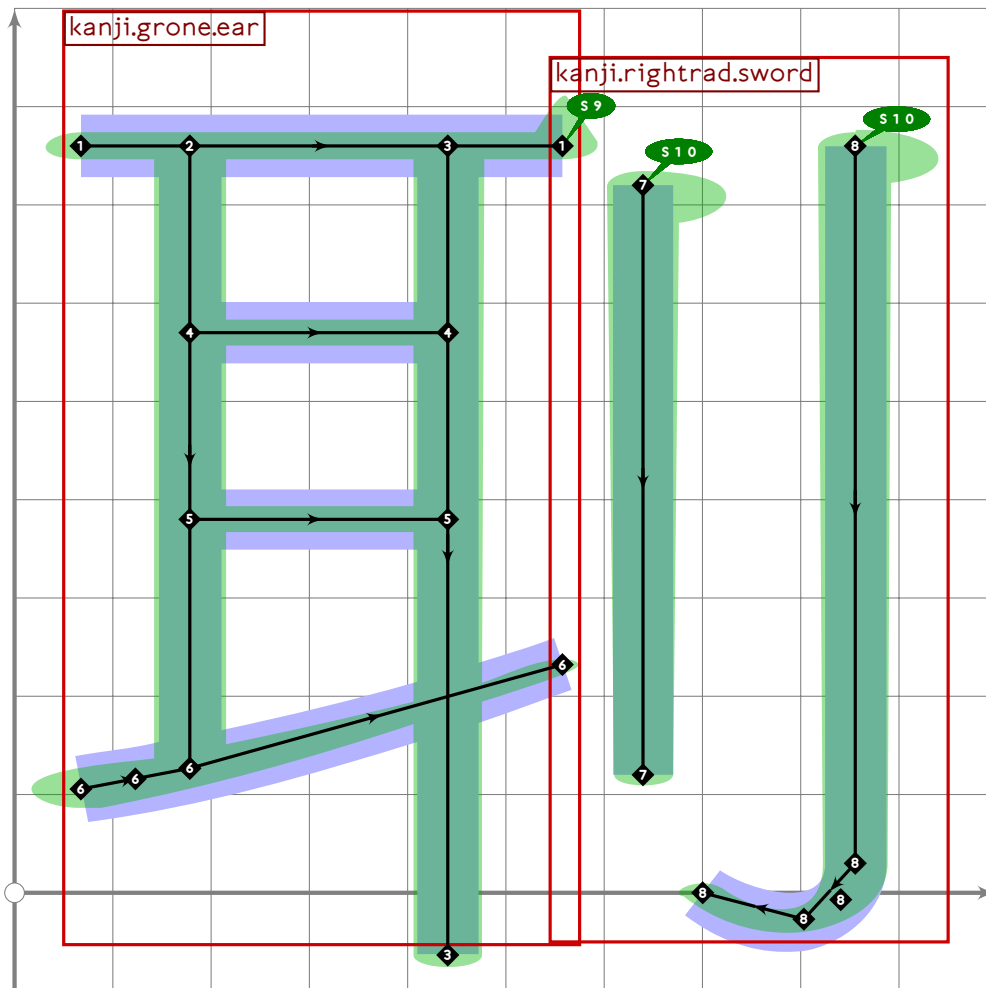
```

393
394 % betsu/waka "distinction"
395 begintsuglyph("uni5225";37);
396 kanji.grfour.distinction;
397 tsu_render;
398 endtsuglyph;
399
400 % ri/ki "advantage"
401 begintsuglyph("uni5229";41);
402 kanji.grfour.advantage;
403 tsu_render;
404 endtsuglyph;
405

```

[see page 2096]

[see page 671]



```

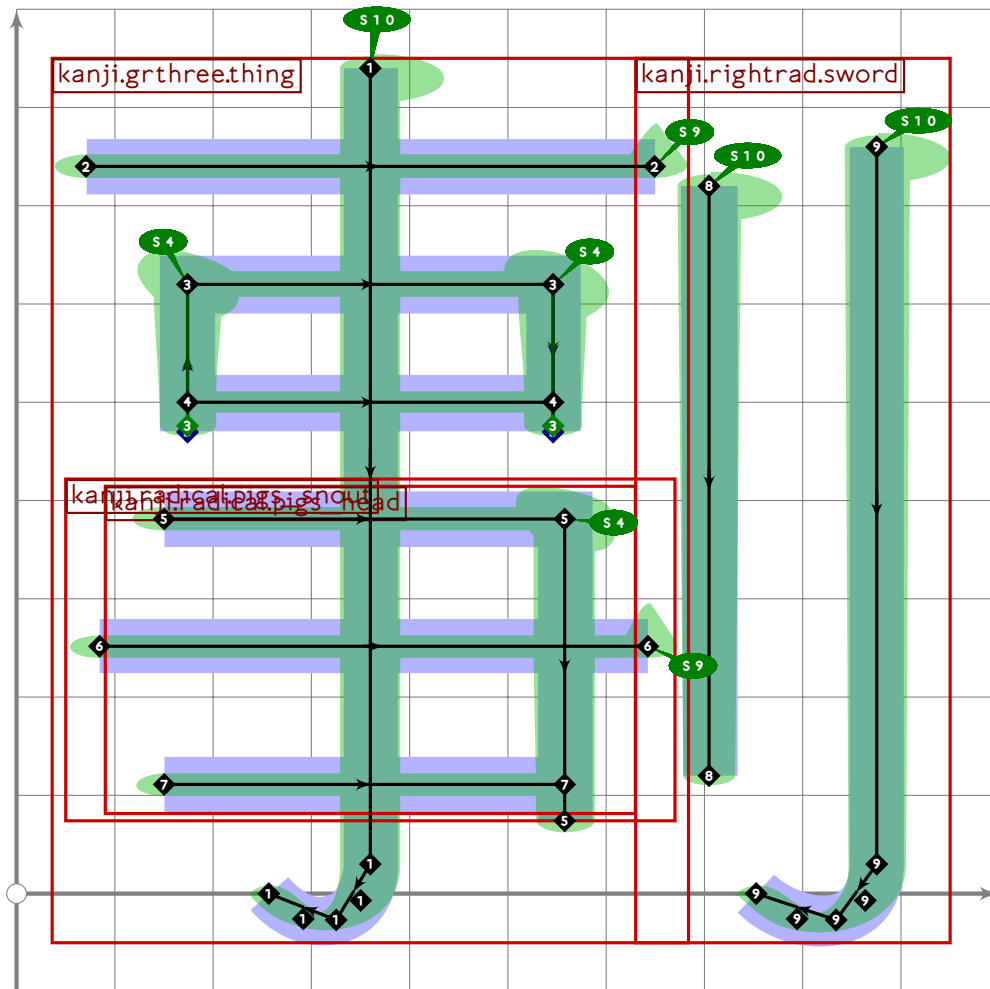
406 % extra: punishment by cutting off the ears
407 begintsuglyph("uni5235";53);
408 build_kanji.level(build_kanji.lr(560,30)
409   (tsu_xform(identity yscaled (760/720))(kanji.grone.ear))
410   (kanji.rightrad.sword));
411 tsu_render;
412 endtsuglyph;
413

```

```

414 % sei "system" (as in "I like a boy in SEIfuku")
415 begintsuglyph("uni5236";54); [see page 781]
416 kanji.grfive.system;
417 tsu_render;
418 endtsuglyph;
419
420 % satsu/su "print"
421 begintsuglyph("uni5237";55); [see page 2100]
422 kanji.grfour.print;
423 tsu_render;
424 endtsuglyph;
425
426 % ken "ticket"
427 begintsuglyph("uni5238";56); [see page 783]
428 kanji.grfive.ticket;
429 tsu_render;
430 endtsuglyph;
431
432 % satsu "temple/central pillar of pagoda"
433 begintsuglyph("uni5239";57); [see page 2108]
434 kanji.greight.temple;
435 tsu_render;
436 endtsuglyph;
437
438 % soku/notto "conform"
439 begintsuglyph("uni5247";71); [see page 752]
440 kanji.grfive.conform;
441 tsu_render;
442 endtsuglyph;
443
444 % saku/kezu "whittle, sharpen, plane"
445 begintsuglyph("uni524A";74); [see page 2109]
446 kanji.greight.whittle;
447 tsu_render;
448 endtsuglyph;
449
450 % zen/mae "before"
451 begintsuglyph("uni524D";77); [see page 493]
452 kanji.grtwo.before;
453 tsu_render;
454 endtsuglyph;
455

```



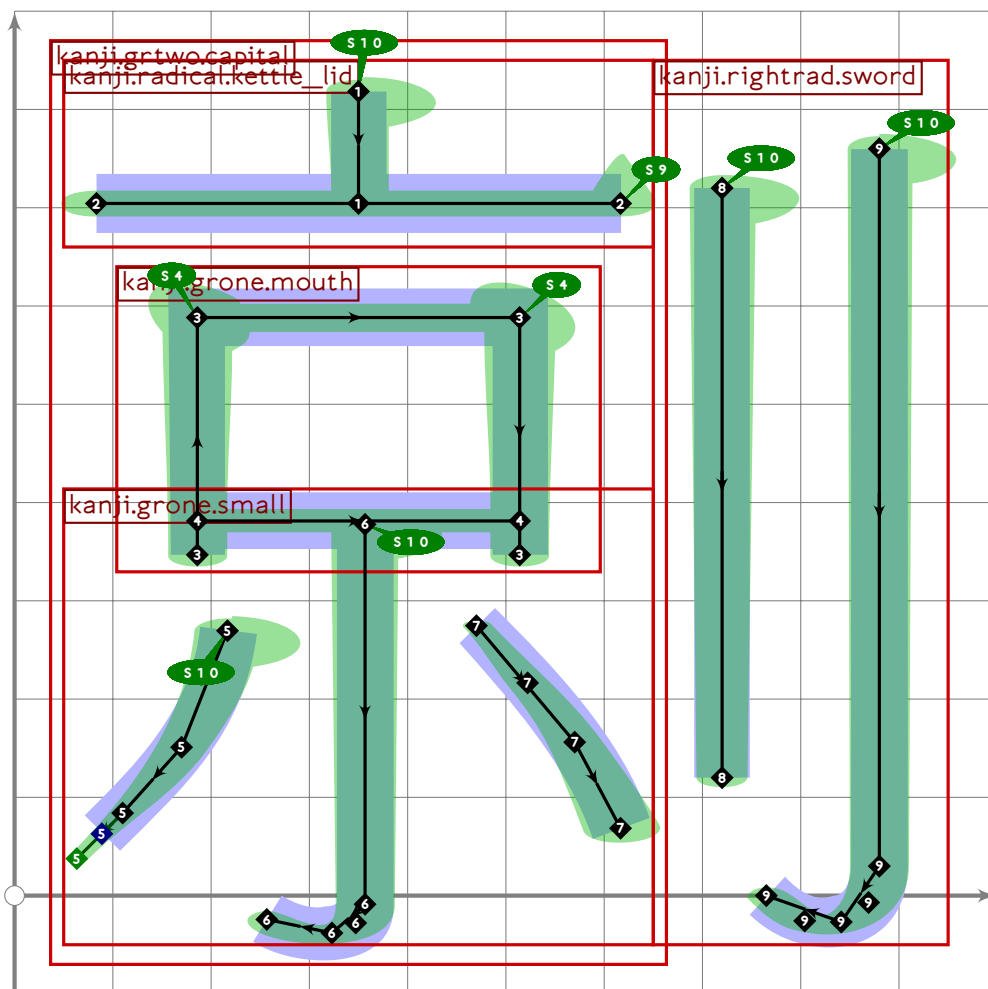
```

456 % extra: "stab"
457 beginsuglyph("uni525A";90);
458   build_kanji.level(build_kanji.lr(650,40)
459     (kanji.grthree.thing)
460     (kanji.rightrad.sword));
461   tsu_render;
462 endtsuglyph;
463

```

U+5260
tsuku.uni5260

52



464 % extra: "brand" (probably yet another criminal punishment)

465 begintsuglyph("uni5260",96);

466 build_kanji.level(build_kanji.lr(650,0)

467 (kanji.grtwo.capital)

468 (kanji.rightrad.sword));

469 tsu_render;

470 endtsuglyph;

471

472 % fuku/soi "auxilliary" (also "adverb")

473 begintsuglyph("uni526F",111);

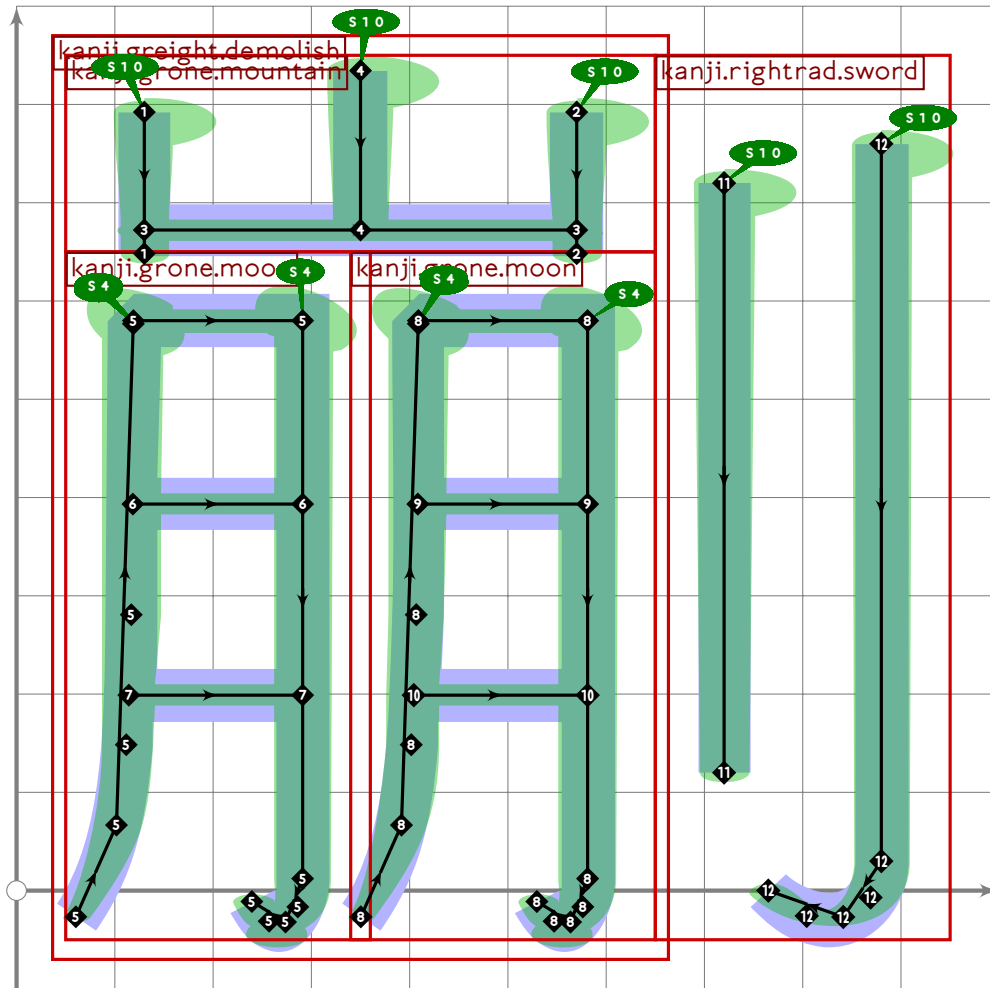
474 kanji.grfour.auxilliary;

475 tsu_render;

476 endtsuglyph;

477

[see page 2095]



```

478 % extra
479 begintsuglyph("uni527B",123);
480   build_kanji.level(build_kanji.lr(650,0)
481     (kanji.greight.demolish)
482     (kanji.rightrad.sword));
483   tsu_render;
484 endtsuglyph;
485
486 % ken/tsurugi "sword", uncommon character used in names
487 begintsuglyph("uni528D",141);
488   kanji.grten.sword;
489   tsu_render;
490 endtsuglyph;
491
492 % ryoku "power", as in Koizumi Itsuki has teh "chounouryoku"
493 begintsuglyph("uni529B",155);
494   kanji.grone.power;
495   tsu_render;
496 endtsuglyph;
497
498 % kou/isao "merit"

```

[see page 2110]

[see page 464]

U+52A6
tsuku.uni52A6

499 begintsuglyph("uni529F",159);

[see page 2099]

500 kanji.grfour.merit;

501 tsu_render;

502 endtsuglyph;

503

504 % kuwa "addition", also "Canada"

505 begintsuglyph("uni52A0",160);

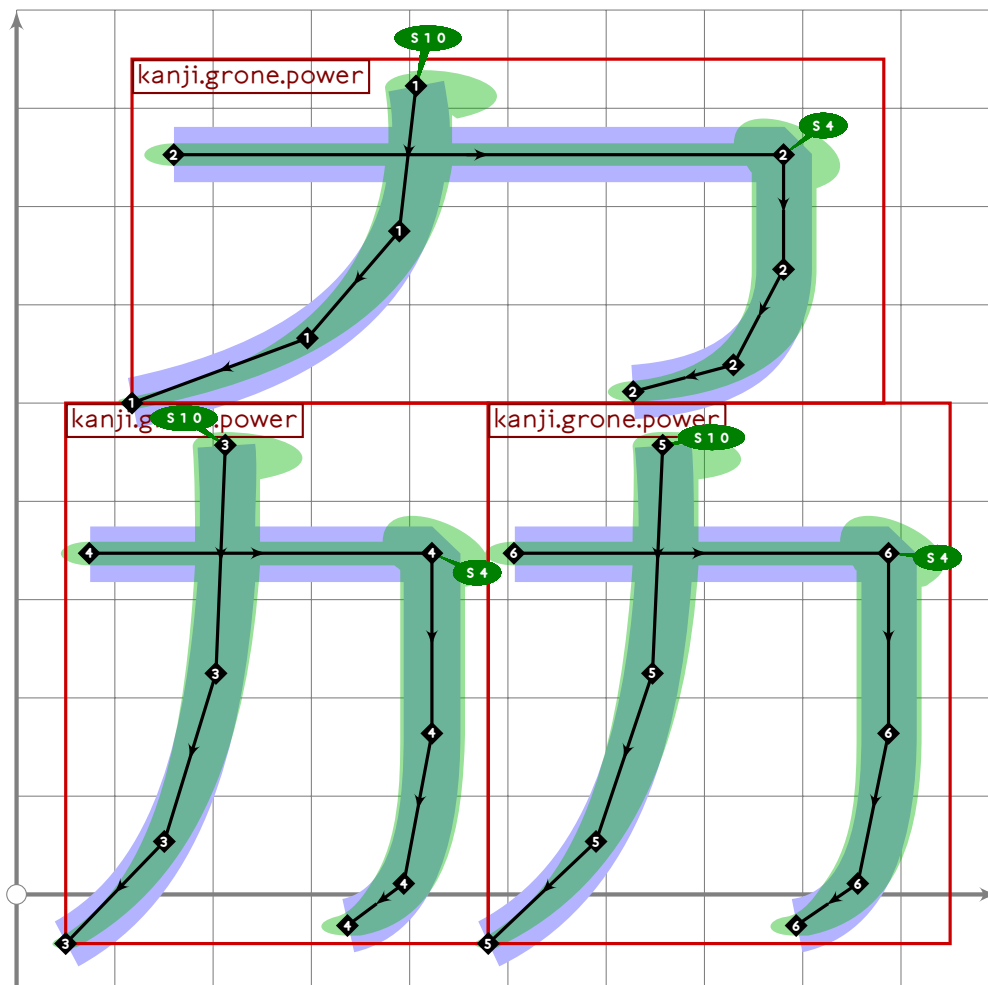
[see page 670]

506 kanji.grfour.addition;

507 tsu_render;

508 endtsuglyph;

509



510 % extra

511 begintsuglyph("uni52A6",166);

512 build_kanji.level(build_kanji.tricluster(0.85)

513 (kanji.grone.power)

514 (kanji.grone.power)

515 (kanji.grone.power));

516 tsu_render;

517 endtsuglyph;

518

519 % jo/tasu "help"

520	begintsuglyph("uni52A9";169);	[see page 2094]
521	kanji.grthree.help;	
522	tsu_render;	
523	endtsuglyph;	
524		
525	% do/tsuto "toil"	
526	begintsuglyph("uni52AA";170);	[see page 2101]
527	kanji.grfour.toil;	
528	tsu_render;	
529	endtsuglyph;	
530		
531	% rou/ita "labour"	
532	begintsuglyph("uni52B4";180);	[see page 2098]
533	kanji.grfour.labour;	
534	tsu_render;	
535	endtsuglyph;	
536		
537	% kou/ki "effect" (as in physics)	
538	begintsuglyph("uni52B9";185);	[see page 2102]
539	kanji.grfive.effect;	
540	tsu_render;	
541	endtsuglyph;	
542		
543	% yuu/isa "courage"	
544	begintsuglyph("uni52C7";199);	[see page 685]
545	kanji.grfour.courage;	
546	tsu_render;	
547	endtsuglyph;	
548		
549	% ben/tsuto "exertion"	
550	begintsuglyph("uni52C9";201);	[see page 2093]
551	kanji.grthree.exertion;	
552	tsu_render;	
553	endtsuglyph;	
554		
555	% dou/ugo "motion"	
556	begintsuglyph("uni52D5";213);	[see page 642]
557	kanji.grthree.motion;	
558	tsu_render;	
559	endtsuglyph;	
560		
561	% mu/tsuto "serve"	
562	begintsuglyph("uni52D9";217);	[see page 2106]
563	kanji.grfive.serve;	
564	tsu_render;	
565	endtsuglyph;	
566		
567	% shou/ka "victory"	

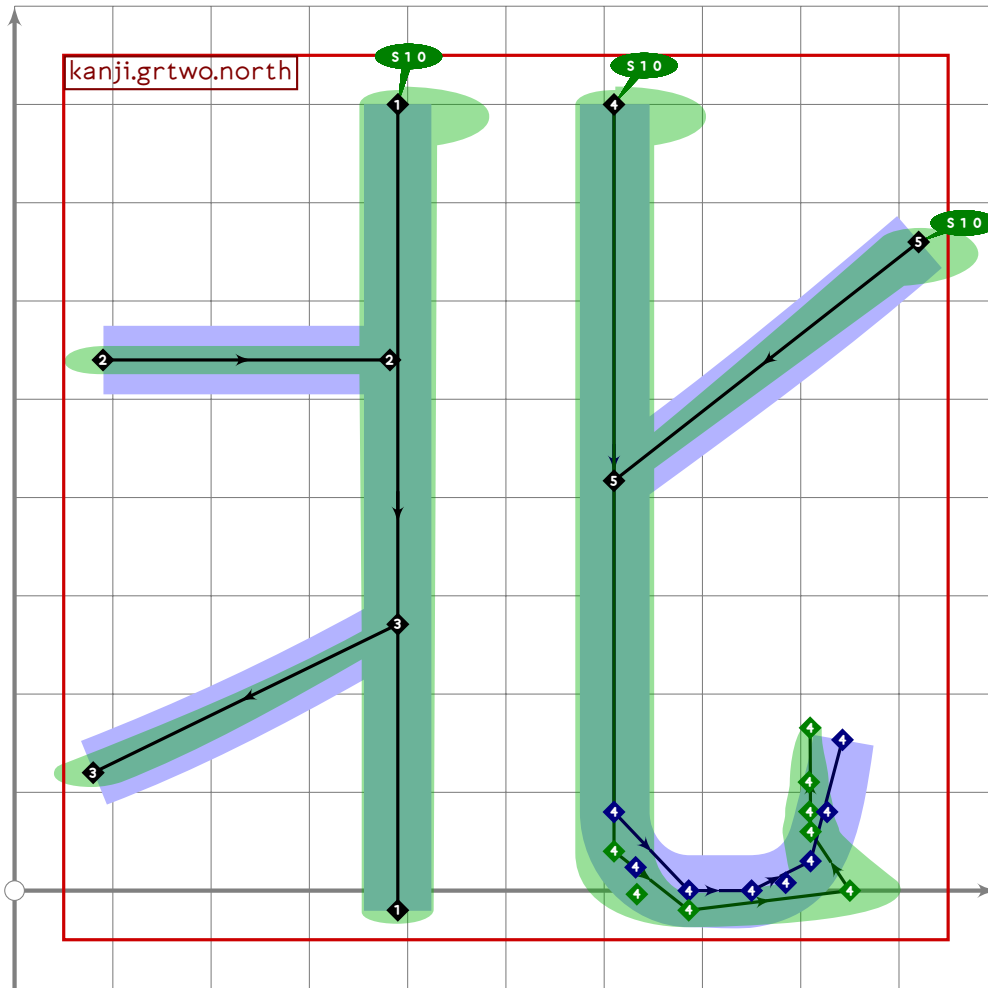
```

568 begintsuglyph("uni52DD";221); [see page 666]
569   kanji.grthree.victory;
570   tsu_render;
571 endtsuglyph;
572
573 % sei/ikio "energy"
574 begintsuglyph("uni52E2";226); [see page 2103]
575   kanji.grfive.energy;
576   tsu_render;
577 endtsuglyph;
578
579 % hou/tsutsu "wrapping radical"
580 begintsuglyph("uni52F9";249); [see page 863]
581   kanji.radical.wrapping;
582   tsu_render;
583 endtsuglyph;
584
585 % shaku "ladle" (also a unit of measure)
586 begintsuglyph("uni52FA";250); [see page 959]
587   kanji.grnine.ladle;
588   tsu_render;
589 endtsuglyph;
590
591 % mochi/naka "not", esp. "must not"
592 begintsuglyph("uni52FF";255); [see page 966]
593   kanji.grnine.must_not;
594   tsu_render;
595 endtsuglyph;
596
597 _____
598
599 endfont;
600
601 _____

```

tsuku-53.mp

```
1 %
2 % Unicode page 53 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49 input rightrad.mp;
50 input toprad.mp;
51
52 do_late_includes;
53
54
```



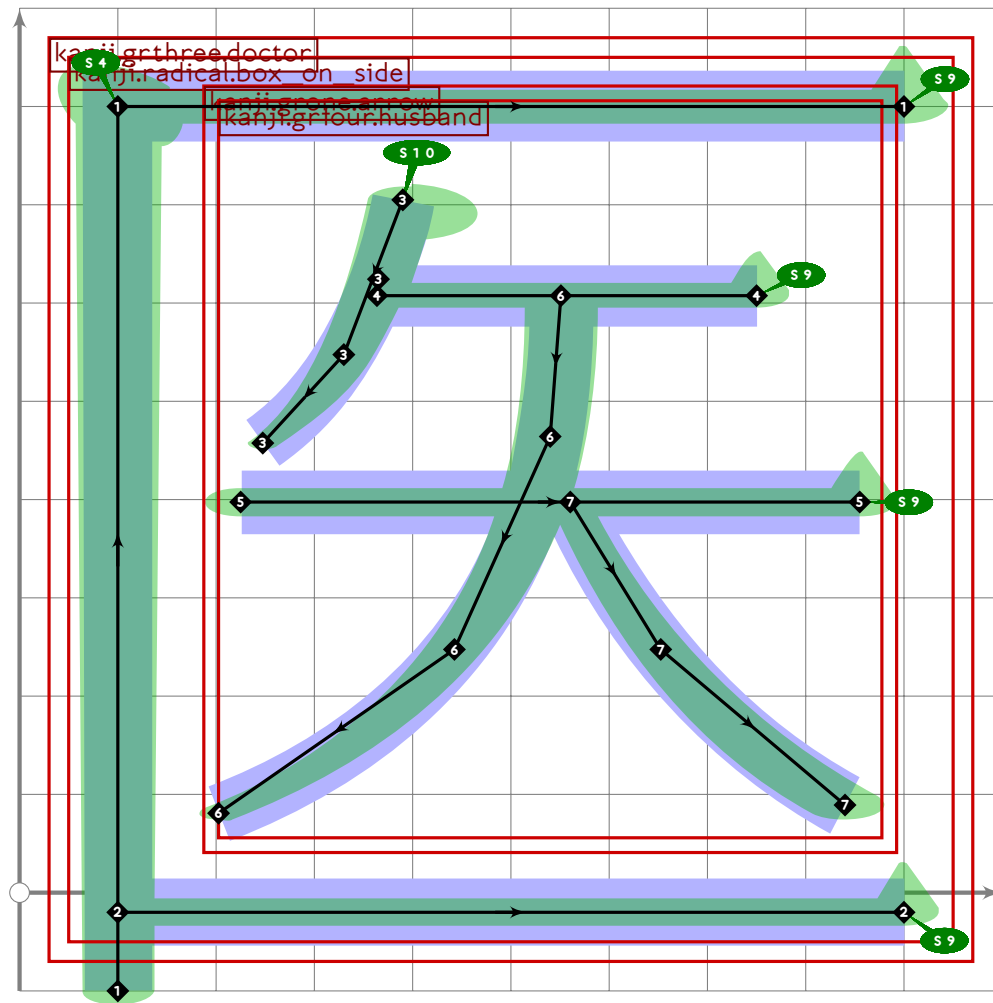
```

55
56 vardef kanji.grtwo.north =
57   push_pbox_toexpand("kanji.grtwo.north");
58   push_stroke((390,800)-(390,-20),(1.6,1.6)-(1.5,1.5));
59   set_boserif(0,0,10);
60   push_stroke((90,540)-(382,540),(1.6,1.6)-(1.6,1.6));
61   push_stroke((920,660)..tension 1.2..(500,340)..(80,120),
62     (1.1,1.1)-(1.6,1.6));
63   push_stroke((610,800),(1.6,1.6));
64   build_kanji.add_tail(0);
65   set_boserif(0,0,10);
66   push_stroke(subpath
67     (0,xpart (get_stroke(-1) intersectiontimes get_stroke(0)))
68     of get_stroke(-1),
69     (1.6,1.6)-(1.1,1.1));
70   set_boserif(0,0,10);
71   replace_stroke(-2)(subpath
72     (xpart (oldp intersectiontimes get_stroke(-4)),infinity)
73     of oldp);
74   expand_pbox;
75 enddef;

```

76

77

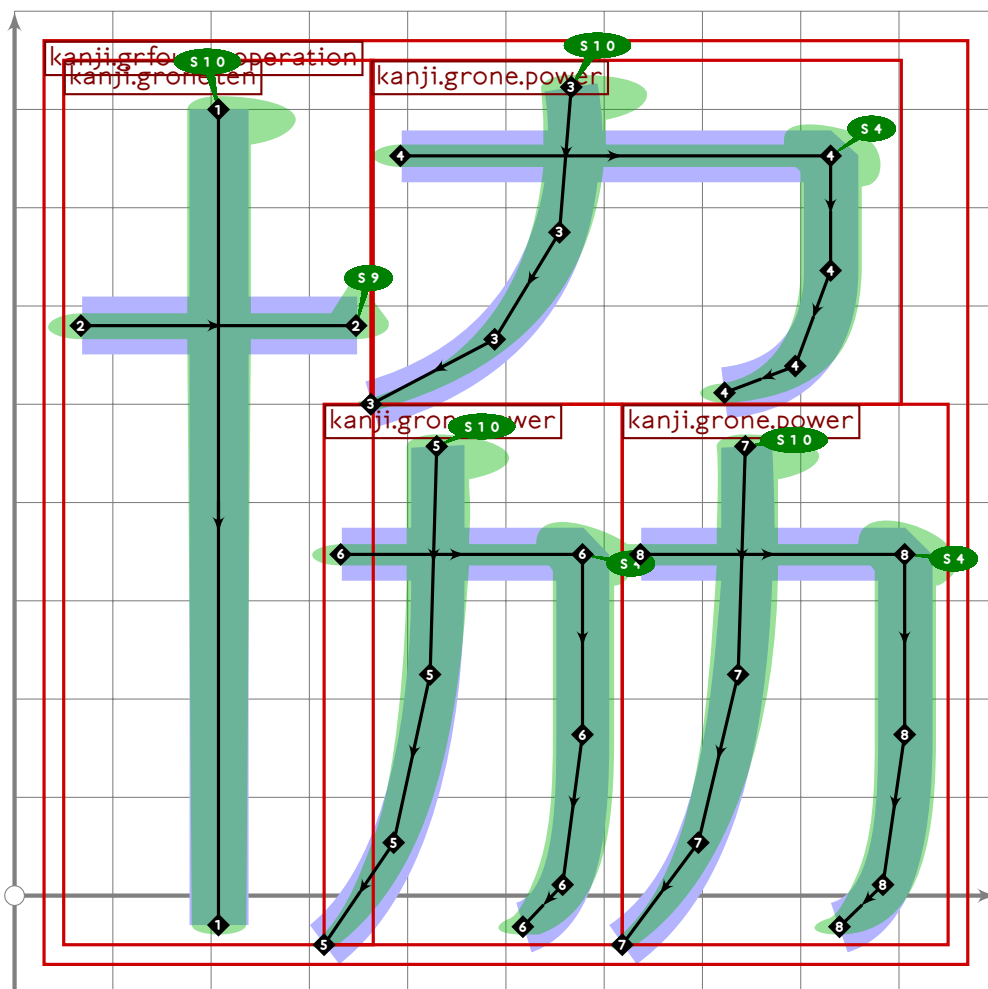


78

```
79 vardef kanji.grthree.doctor =
80   push_pbox_toexpand("kanji.grthree.doctor");
81   kanji.radical.box_on_side;
82   build_kanji.sscale(scaled 0.75 shifted (40,0))(kanji.grtwo.arrow);
83   expand_pbox;
84 enddef;
```

85

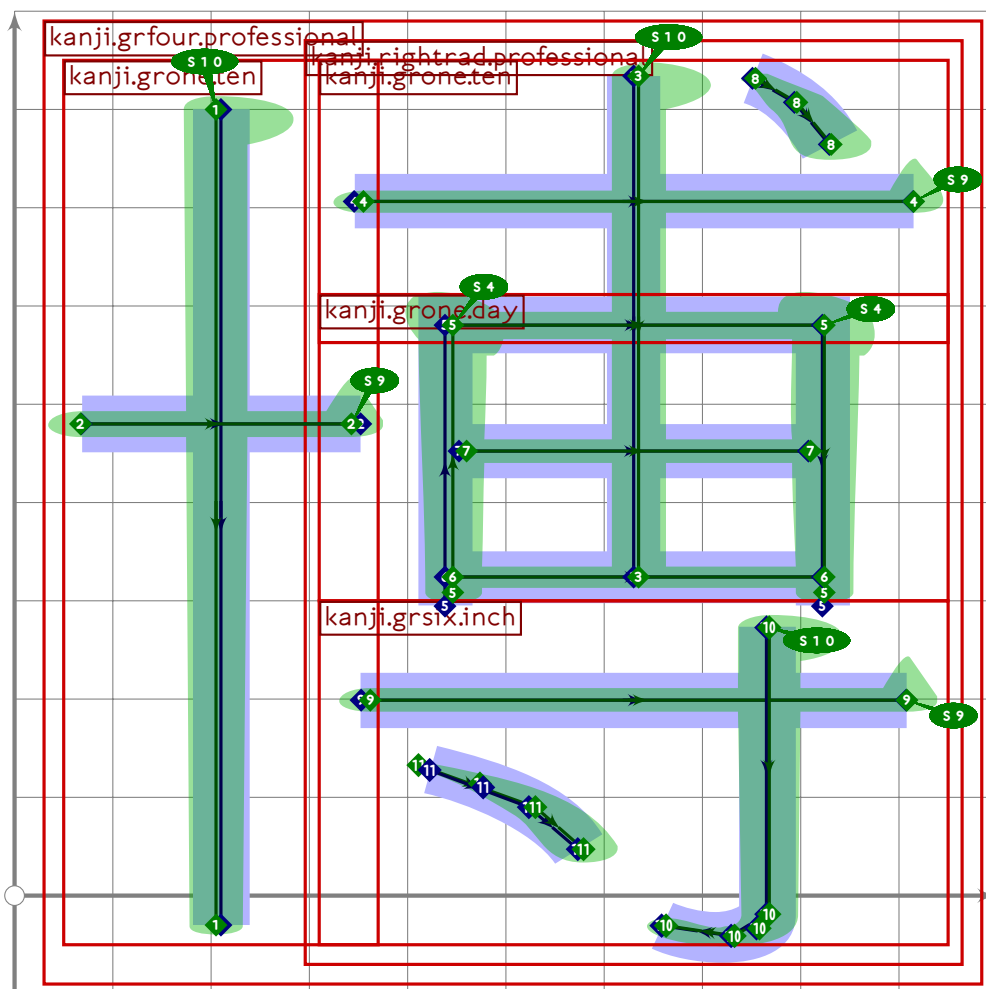
86



```

87
88 vardef kanji.grfour.cooperation =
89   push_pbox_toexpand("kanji.grfour.cooperation");
90   build_kanji.lr(340,50)
91     (kanji.grone.ten;
92       replace_strokep(0)(oldp shifted (0,180)))
93     (build_kanji.level(build_kanji.tricuster(0.85)
94       (kanji.grone.power)
95       (kanji.grone.power)
96       (kanji.grone.power)));
97   expand_pbox;
98 enddef;

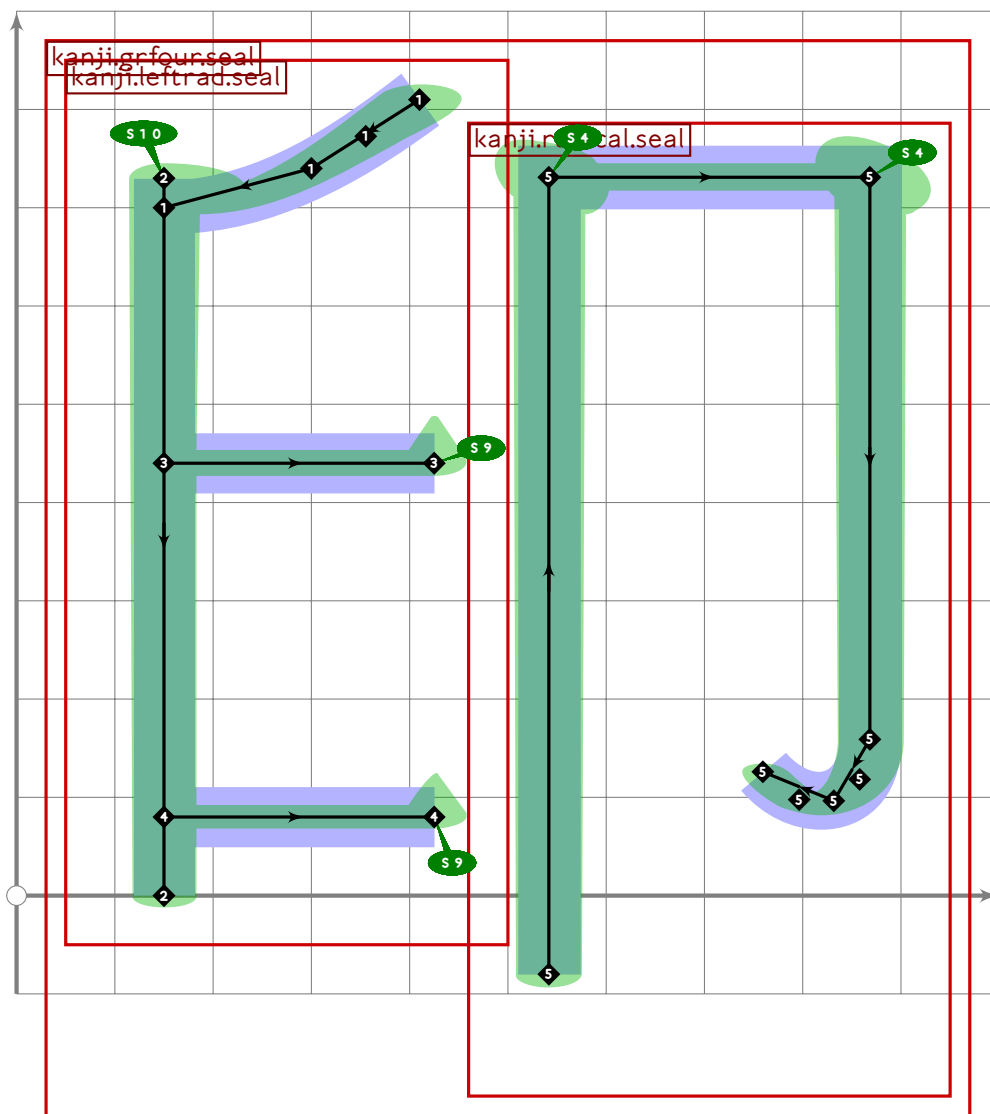
```



```

99
100 vardef kanji.grfour.professional =
101   push_pbox_toexpand("kanji.grfour.professional");
102   build_kanji.lr(340,60-20*mincho)
103     (kanji.grone.ten;
104       replace_strokep(0)(oldp shifted (0,80)))
105     (kanji.rightrad.professional);
106   expand_pbox;
107 enddef;

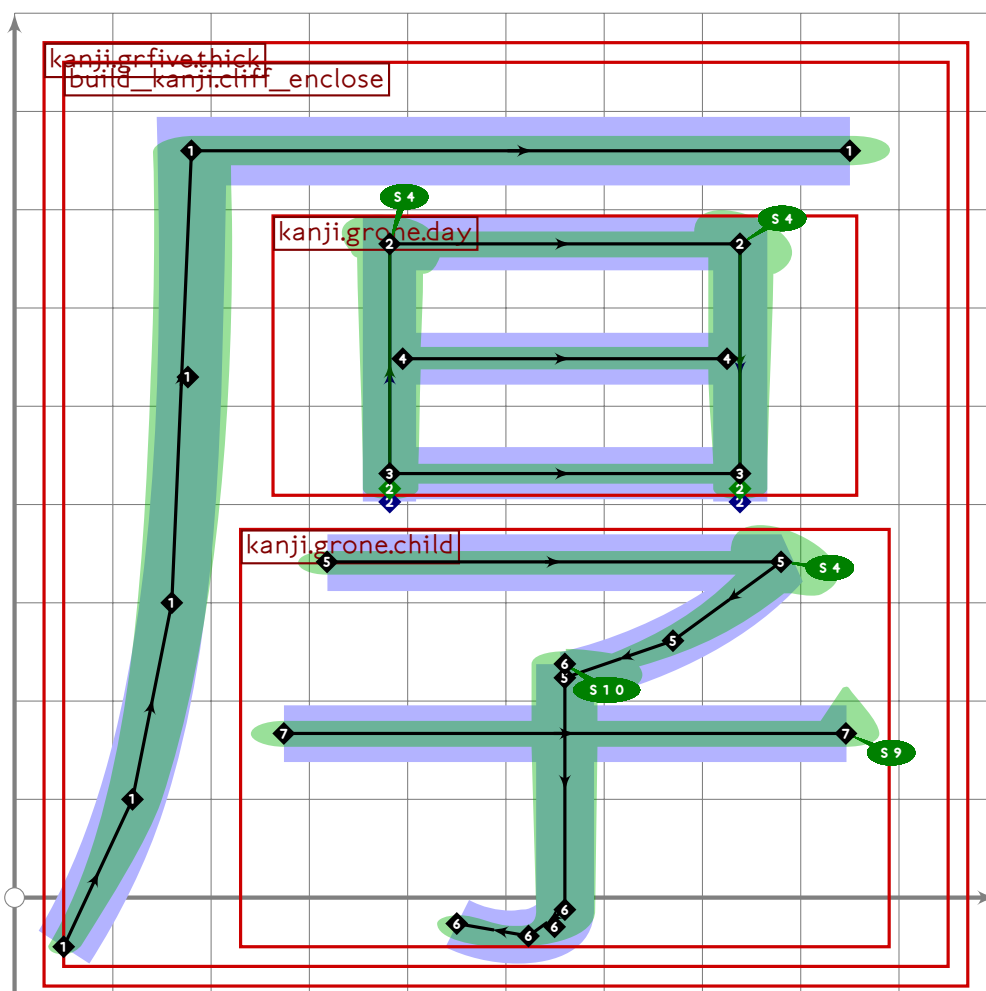
```

```

108
109 vardef kanji.grfour.seal =
110   push_pbox_toexpand("kanji.grfour.seal");
111   build_kanji.lr(480,40)
112     (kanji.leftrad.seal)
113     (build_kanji.sscale(yscaled 1.1 shifted (0,-110))(kanji.radical.seal));
114   replace_strokep(0)(subpath (xpart (oldp intersectiontimes
115     ((0,80)-(1000,80))),infinity) of oldp);
116   expand_pbox;
117 enddef;
118
119

```



```

120
121 vardef kanji.grfive.thick =
122   push_pbox_toexpand("kanji.grfive.thick");
123   build_kanji.cliff_enclose(build_kanji.tb(440,0)
124     (build_kanji.sscale(xyscaled (0.9,0.8))(kanji.grone.day))
125     (kanji.grone.child));
126   expand_pbox;
127 enddef;
128
129
130
131 % in/suku "equal"
132 begintsuglyph("uni5300";0);
133 kanji.rare.equal;
134 tsu_render;
135 endtsuglyph;
136
137 % hou/tsutsu "wrap"
138 begintsuglyph("uni5305";5);
139 kanji.grfour.wrap;
140 tsu_render;

```

[see page 1012]

[see page 745]

```

141 endtsuglyph;
142
143 % by itself means "be flustered"
144 begintsuglyph("uni5306";6); [see page 831]
145 kanji.radical.crossed__must__not;
146 tsu_render;
147 endtsuglyph;
148
149 % hi/saji "spoon"
150 begintsuglyph("uni5315";21); [see page 853]
151 kanji.radical.spoon;
152 tsu_render;
153 endtsuglyph;
154
155 % ka/ba "change"
156 begintsuglyph("uni5316";22); [see page 603]
157 kanji.grthree.change;
158 tsu_render;
159 endtsuglyph;
160
161 % hoku/kita "north"
162 begintsuglyph("uni5317";23); [see page 2126]
163 kanji.grtwo.north;
164 tsu_render;
165 endtsuglyph;
166
167 % hou/hakogamae "box on side radical"
168 begintsuglyph("uni531A";26); [see page 828]
169 kanji.radical.box__on__side;
170 tsu_render;
171 endtsuglyph;
172
173 % kyou/suku "deliverance"
174 begintsuglyph("uni5321";33); [see page 952]
175 kanji.grnine.deliverance;
176 tsu_render;
177 endtsuglyph;
178
179 % ku "ward" (as in postal addresses)
180 begintsuglyph("uni533A";58); [see page 667]
181 kanji.grthree.ward;
182 tsu_render;
183 endtsuglyph;
184
185 % i "doctor"
186 begintsuglyph("uni533B";59); [see page 2127]
187 kanji.grthree.doctor;
188 tsu_render;

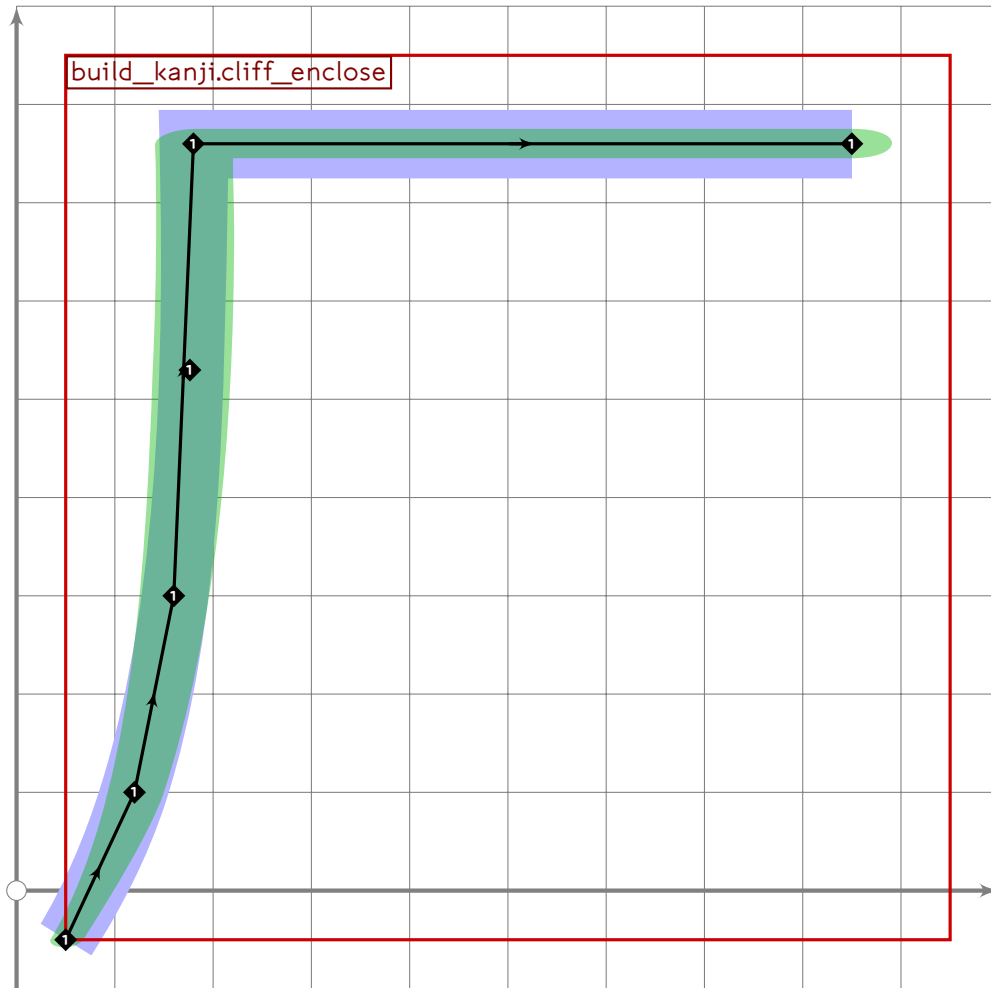
```

```

189 endtsuglyph;
190
191 % juu/too "ten"
192 begintsuglyph("uni5341";65); [see page 479]
193   kanji.grone.ten;
194   tsu_render;
195 endtsuglyph;
196
197 % sen "one thousand"
198 begintsuglyph("uni5343";67); [see page 461]
199   kanji.grone.one_thousand;
200   tsu_render;
201 endtsuglyph;
202
203 % han/naka "half"
204 begintsuglyph("uni534A";74); [see page 517]
205   kanji.grtwo.half;
206   tsu_render;
207 endtsuglyph;
208
209 % go/uma "noon"
210 begintsuglyph("uni5348";72); [see page 550]
211   kanji.grtwo.noon;
212   tsu_render;
213 endtsuglyph;
214
215 % sotsu/so- "graduate"
216 begintsuglyph("uni5352";82); [see page 703]
217   kanji.grfour.graduate;
218   tsu_render;
219 endtsuglyph;
220
221 % kyou "cooperation"
222 begintsuglyph("uni5354";84); [see page 2128]
223   kanji.grfour.cooperation;
224   tsu_render;
225 endtsuglyph;
226
227 % nan/minami "south"
228 begintsuglyph("uni5357";87); [see page 568]
229   kanji.grtwo.south;
230   tsu_render;
231 endtsuglyph;
232
233 % tan/hitoe "single"
234 begintsuglyph("uni5358";88); [see page 734]
235   kanji.grfour.single;
236   tsu_render;

```

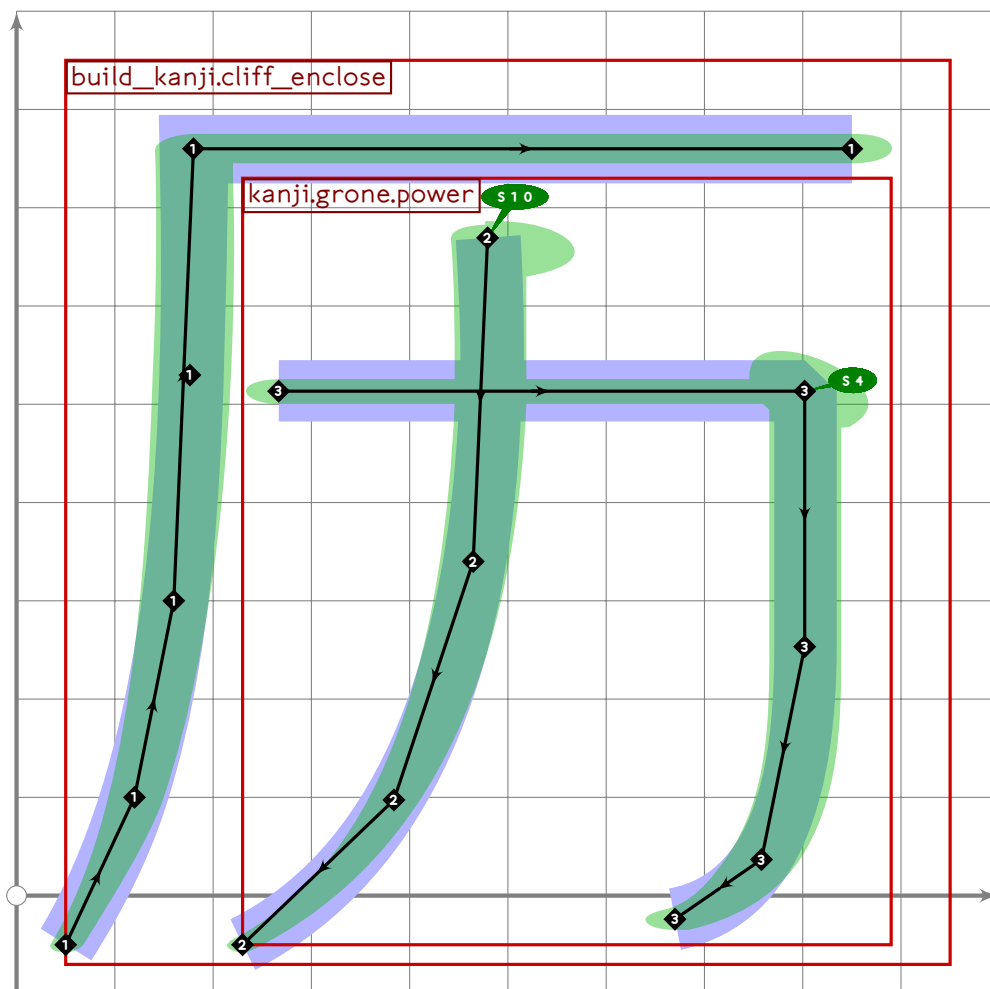
237 endtsuglyph;
 238
 239 % haku "professional"
 240 begintsuglyph("uni535A";90); [see page 2129]
 241 kanji.grfour.professional;
 242 tsu_render;
 243 endtsuglyph;
 244
 245 % boku/urana "divination"
 246 begintsuglyph("uni535C";92); [see page 953]
 247 kanji.grnine.divination;
 248 tsu_render;
 249 endtsuglyph;
 250
 251 % sen/urana "divination"
 252 begintsuglyph("uni5360";96); [see page 895]
 253 kanji.greight.divination;
 254 tsu_render;
 255 endtsuglyph;
 256
 257 % setsu/warifu "seal radical"
 258 begintsuglyph("uni5369";105); [see page 851]
 259 kanji.radical.seal;
 260 tsu_render;
 261 endtsuglyph;
 262
 263 % in/shiroshi "seal"
 264 begintsuglyph("uni5370";112); [see page 2130]
 265 kanji.grfour.seal;
 266 tsu_render;
 267 endtsuglyph;
 268
 269 % soku/tsu "instant"
 270 begintsuglyph("uni5373";115); [see page 910]
 271 kanji.greight.instant;
 272 tsu_render;
 273 endtsuglyph;
 274



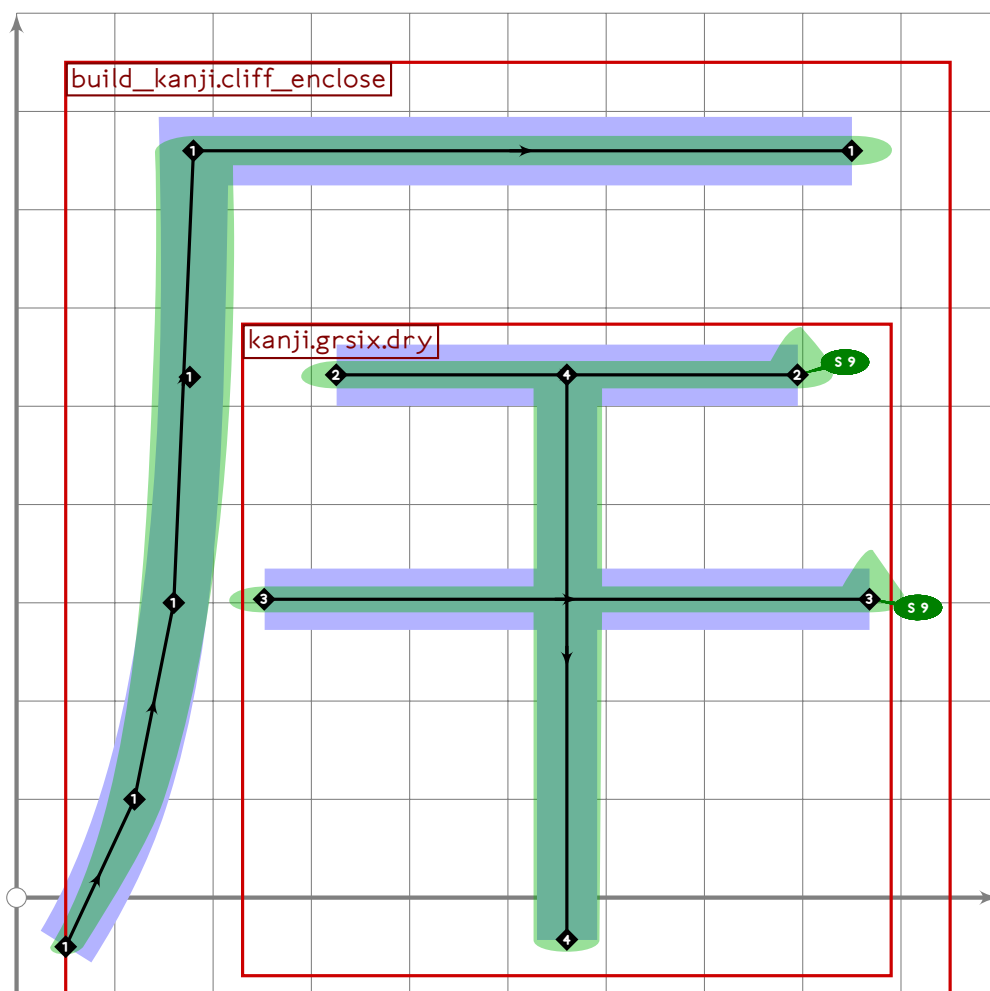
```
275 % karigane "cliff radical"  
276 begintsuglyph("uni5382",130);  
277   build_kanji.cliff_enclose();  
278   tsu_render;  
279 endtsuglyph;  
280
```

U+5386
tsuku.uni5386

53



```
281 % extra
282 begintsuglyph("uni5386",134);
283   build_kanji.cliff_enclose(kanji.grone.power);
284   tsu_render;
285 endtsuglyph;
286
```



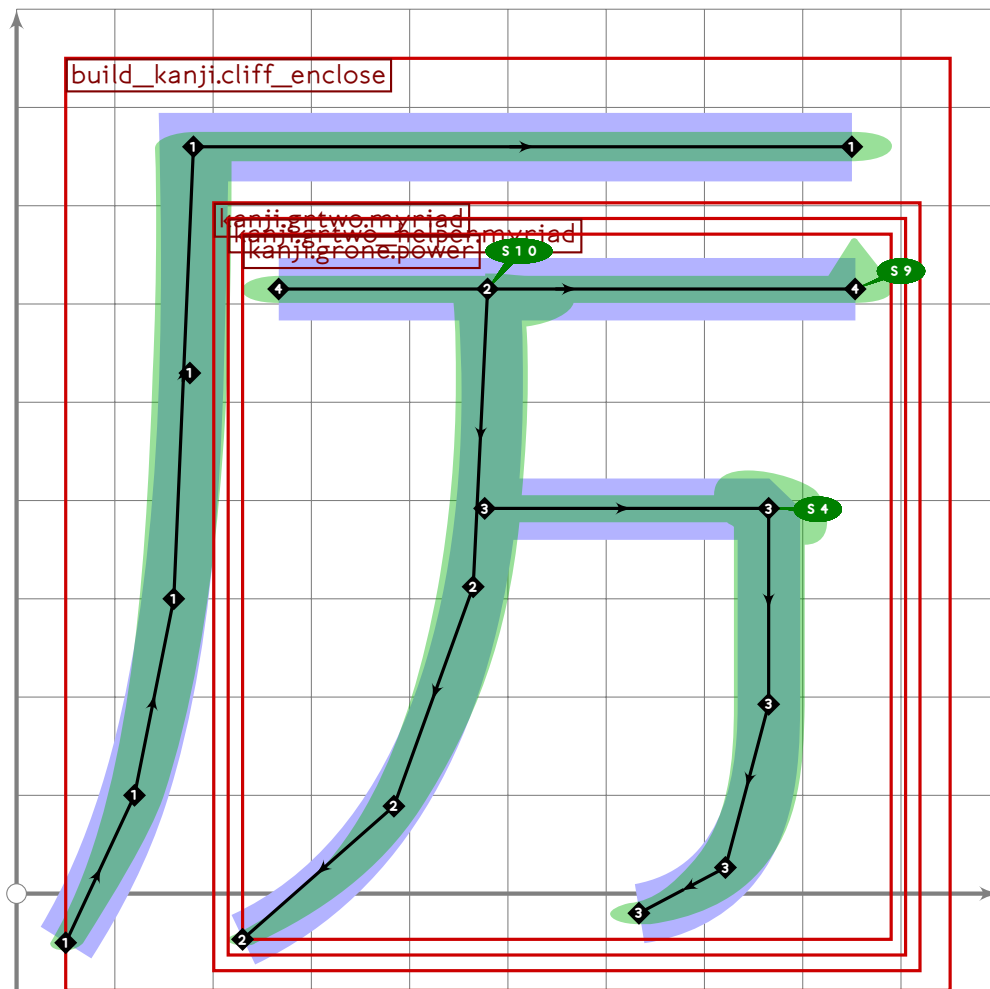
```

287 % extra
288 begintsuglyph("uni5388",136);
289   build_kanji.cliff_enclose(build_kanji.sscale(yscaled 0.85 shifted (0,-100))
290     (kanji.grsix.dry));
291   tsu_render;
292 endtsuglyph;
293

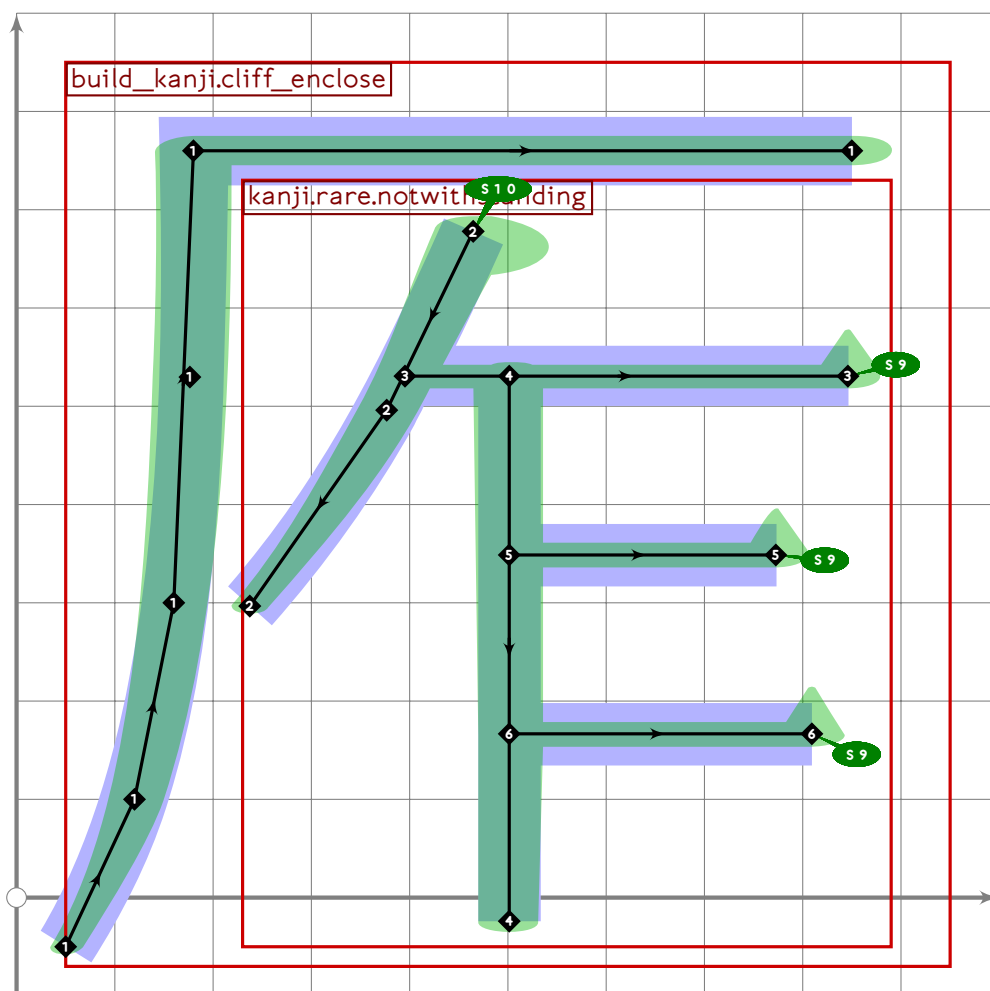
```


U+5389
tsuku.uni5389

53



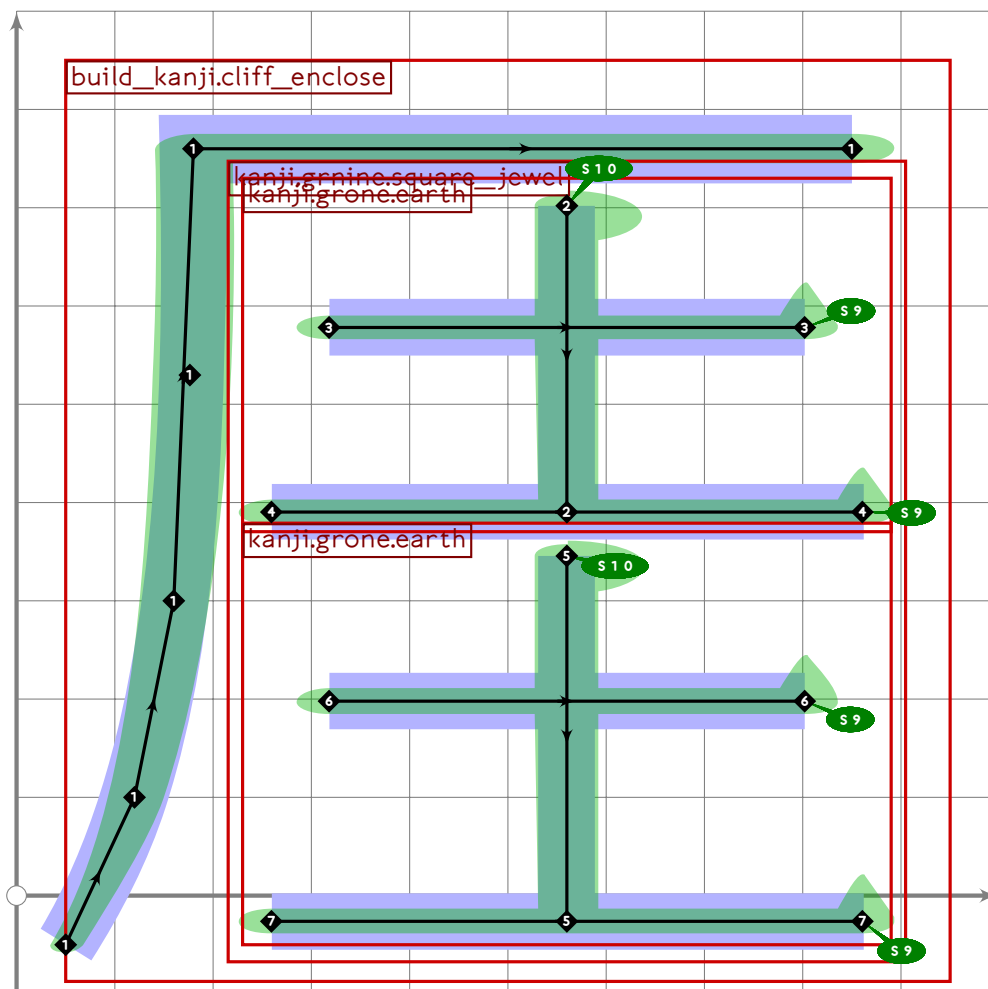
```
294 % extra
295 begintsuglyph("uni5389",137);
296   build_kanji.cliff_enclose(tsu_xform(identity yscaled 0.92)
297     (kanji.grtwo.myriad));
298   tsu_render;
299 endtsuglyph;
300
```



```

301 % extra
302 begintsuglyph("uni538F",143);
303   build_kanji.cliff_enclose(kanji.rare.notwithstanding);
304   tsu_render;
305 endsuglyph;
306

```



```

307 % extra
308 begintsuglyph("uni5393";147);
309   build_kanji.cliff_enclose(kanji.grnine.square_jewel);
310   tsu_render;
311 endtsuglyph;
312
313 % kou/atsu "thick"
314 begintsuglyph("uni539A";154);
315   kanji.grfive.thick;
316   tsu_render;
317 endtsuglyph;
318
319 % gen/hara "field"
320 begintsuglyph("uni539F";159);
321   kanji.grtwo.field;
322   tsu_render;
323 endtsuglyph;
324
325 % "mu radical"
326 begintsuglyph("uni53B6";182);
327   kanji.radical.mu;

```

[see page 2131]

[see page 518]

[see page 842]

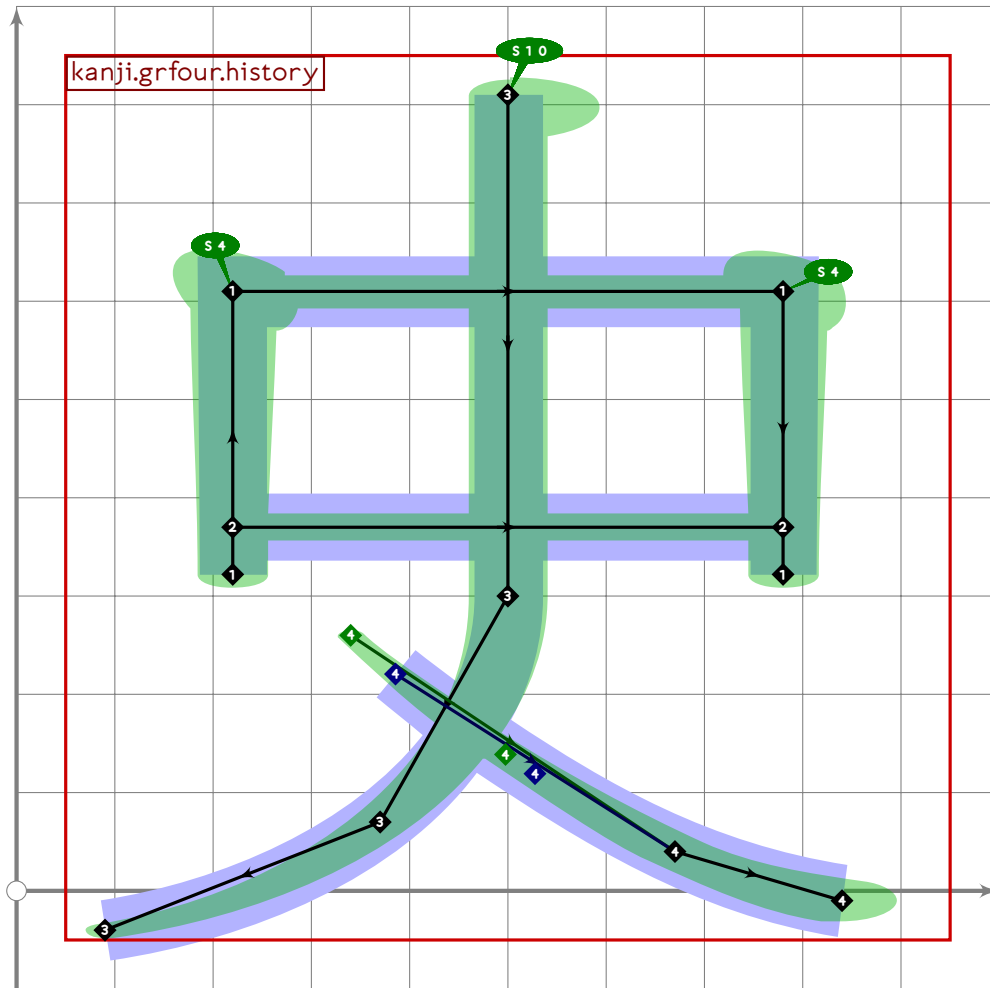
328 tsu_render;
 329 endtsuglyph;
 330
 331 % kyo/sa "go away"
 332 begintsuglyph("uni53BB";187); [see page 625]
 333 kanji.grthree.go_away;
 334 tsu_render;
 335 endtsuglyph;
 336
 337 % san/mai multiple meanings including "participate"
 338 begintsuglyph("uni53C2";194); [see page 720]
 339 kanji.grfour.participate;
 340 tsu_render;
 341 endtsuglyph;
 342
 343 % yuu/mata "on the other hand"
 344 begintsuglyph("uni53C8";200); [see page 918]
 345 kanji.greight.otoh;
 346 tsu_render;
 347 endtsuglyph;
 348
 349 % kyuu/oyo "reach"
 350 begintsuglyph("uni53CA";202); [see page 923]
 351 kanji.greight.reach;
 352 tsu_render;
 353 endtsuglyph;
 354
 355 % yuu/tomo "friend"
 356 begintsuglyph("uni53CB";203); [see page 520]
 357 kanji.grtwo.friend;
 358 tsu_render;
 359 endtsuglyph;
 360
 361 % han/so "anti"
 362 begintsuglyph("uni53CD";205); [see page 593]
 363 kanji.grthree.anti;
 364 tsu_render;
 365 endtsuglyph;
 366
 367 % shu/tori "take"
 368 begintsuglyph("uni53D6";214); [see page 661]
 369 kanji.grthree.take;
 370 tsu_render;
 371 endtsuglyph;
 372
 373 % shu/u "accept"
 374 begintsuglyph("uni53D7";215); [see page 592]
 375 kanji.grthree.accept;

```

376   tsu_render;
377 endtsuglyph;
378
379 % kou/kuchi "mouth"
380 begintsuglyph("uni53E3";227); [see page 456]
381   kanji.grone.mouth;
382   tsu_render;
383 endtsuglyph;
384
385 % ko/furo "old"
386 begintsuglyph("uni53E4";228); [see page 553]
387   kanji.grtwo.old;
388   tsu_render;
389 endtsuglyph;
390
391 % ku "phrase"
392 begintsuglyph("uni53E5";229); [see page 770]
393   kanji.grfive.phrase;
394   tsu_render;
395 endtsuglyph;
396
397 % kou/tata "smash"
398 begintsuglyph("uni53E9";233); [see page 1042]
399   kanji.rare.smash;
400   tsu_render;
401 endtsuglyph;
402
403 % tada "only"
404 begintsuglyph("uni53EA";234); [see page 969]
405   kanji.grnine.only;
406   tsu_render;
407 endtsuglyph;
408
409 % shou/me "call"
410 begintsuglyph("uni53EC";236); [see page 883]
411   kanji.greight.call;
412   tsu_render;
413 endtsuglyph;
414
415 % ka/be "passable"
416 begintsuglyph("uni53EF";239); [see page 769]
417   kanji.grfive.passable;
418   tsu_render;
419 endtsuglyph;
420
421 % tai/utana "pedestal"
422 begintsuglyph("uni53F0";240); [see page 557]
423   kanji.grtwo.pedestal;

```

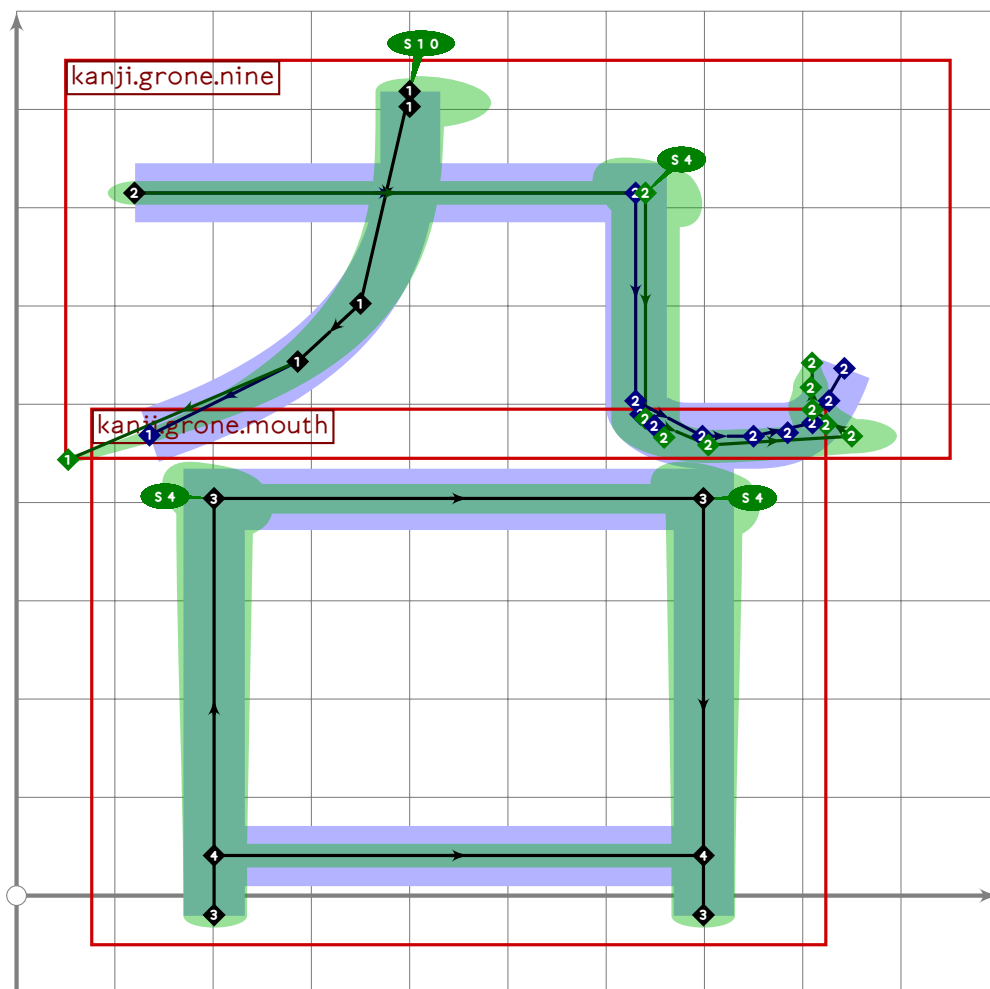
```
424 tsu_render;
425 endtsuglyph;
426
```



53

```
427 % shi "history"
428 begintsuglyph("uni53F2";242);
429 kanji.grfour.history;
430 tsu_render;
431 endtsuglyph;
432
433 % migi "right"
434 begintsuglyph("uni53F3";243);
435 kanji.grone.right;
436 tsu_render;
437 endtsuglyph;
438
```

[see page 468]



```

439 % extra
440 begintsuglyph("uni53F4";244);
441   build_kanji.tb(470,50)
442     (kanji.grone.nine)
443     (build_kanji.sscale(xscaled 0.83 shifted (-50,0))
444       (kanji.grone.mouth));
445   tsu_render;
446 endtsuglyph;
447
448 % gou/sake "number"
449 begintsuglyph("uni53F7";247);
450   kanji.grthree.number;
451   tsu_render;
452 endtsuglyph;
453
454 % shi/tsukasado "director" or "official (person)"
455 begintsuglyph("uni53F8";248);
456   kanji.grfour.director;
457   tsu_render;
458 endtsuglyph;
459

```

[see page 645]

[see page 687]

```
460 

---


461
462 endfont;
463
464 

---


```


tsuku-54.mp

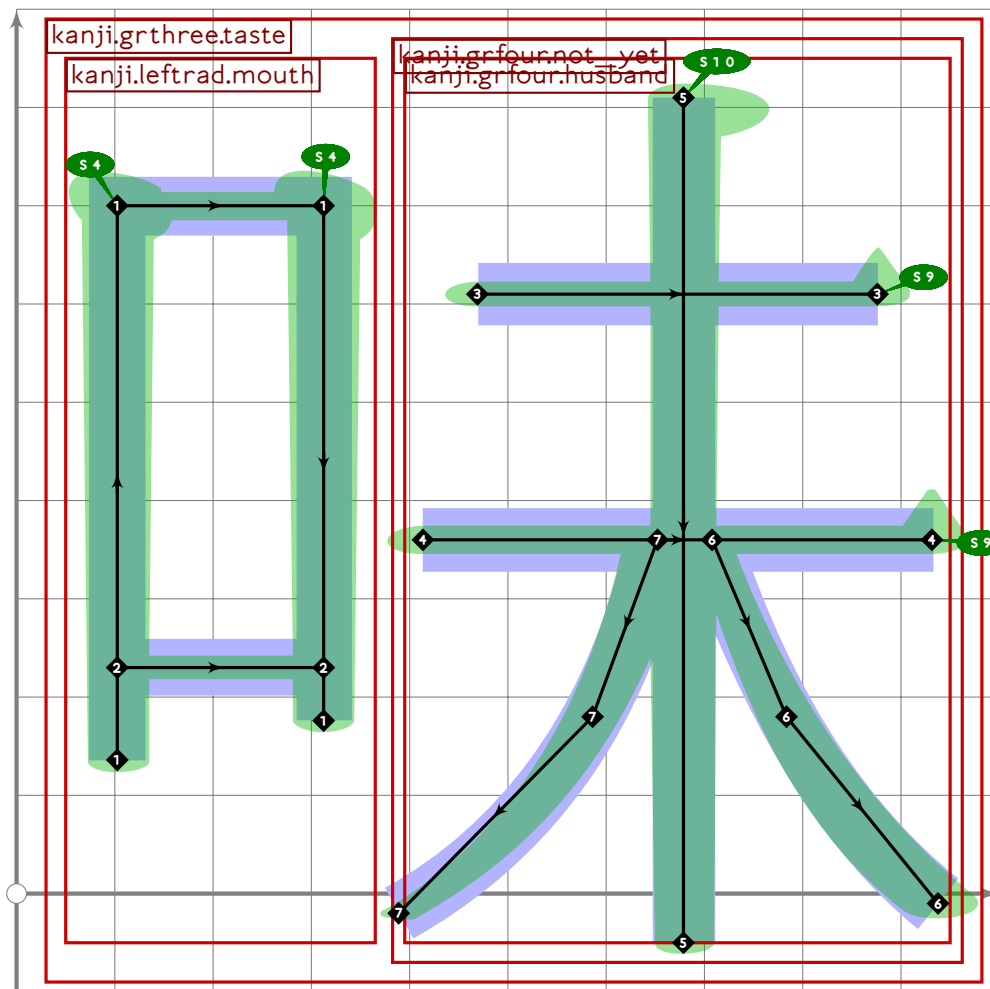
```
1 %
2 % Unicode page 54 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradenine.mp;
41 input gradeone.mp;
42 input gradesix.mp;
43 input gradethree.mp;
44 input gradetwo.mp;
45 input leftrad.mp;
46 input radical.mp;
47 input rare.mp;
48 input toprad.mp;
49
50 do_late_includes;
51
52 

---

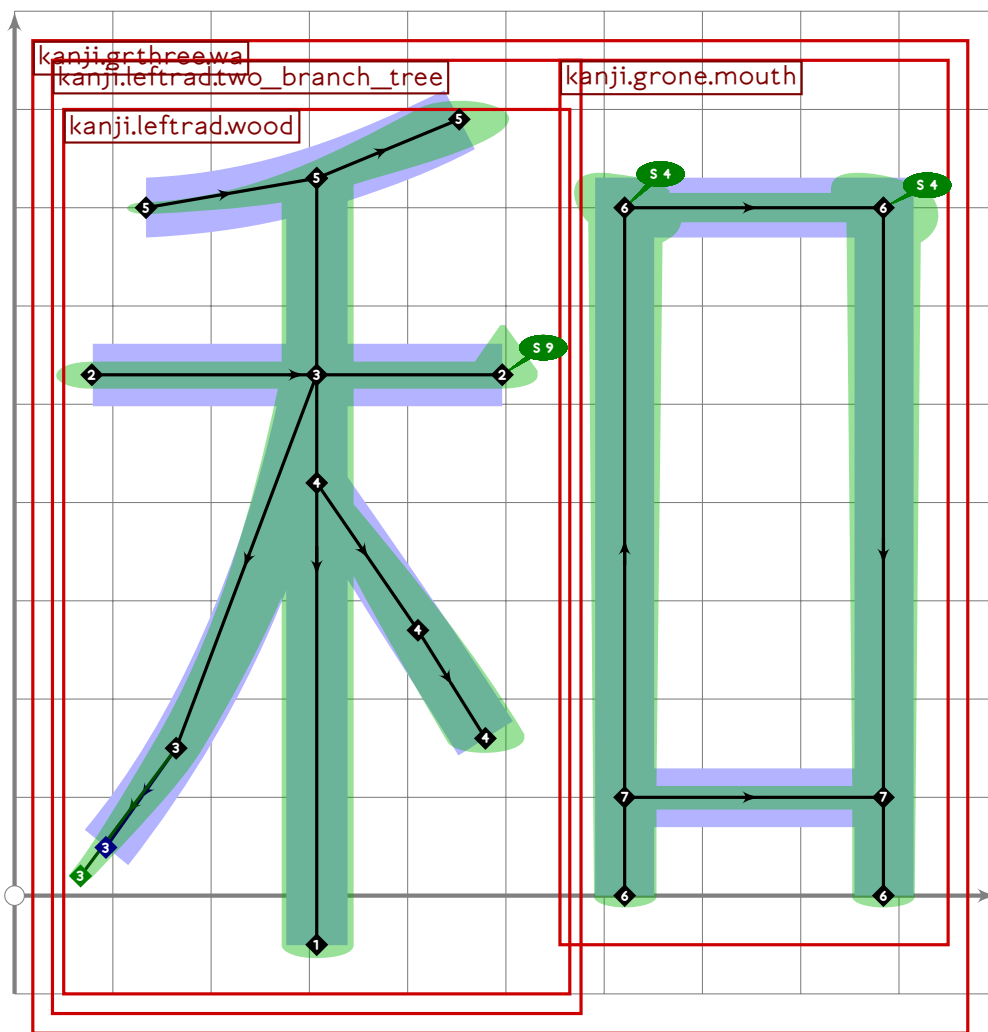

```



```

53
54 vardef kanji.grthree.taste =
55   push_pbox_toexpand("kanji.grthree.taste");
56   build_kanji.lr(380,-30)
57     (kanji.leftrad.mouth)
58     (kanji.grfour.not_yet);
59   expand_pbox;
60 enddef;

```



```

61
62 vardef kanji.grthree.wa =
63   push_pbox_toexpand("kanji.grthree.wa");
64   build_kanji.lr(560,10)
65     (kanji.leftrad.two_branch_tree)
66     (kanji.grone.mouth);
67   expand_pbox;
68 enddef;
69
70
71
72 % kaku/onoono "every"
73 begintsuglyph("uni5404"4);
74   kanji.grfour.every;
75   tsu_render;
76 endtsuglyph;
77
78 % gou/a "meet"
79 begintsuglyph("uni5408"8);
80   kanji.grtwo.join;

```

[see page 693]

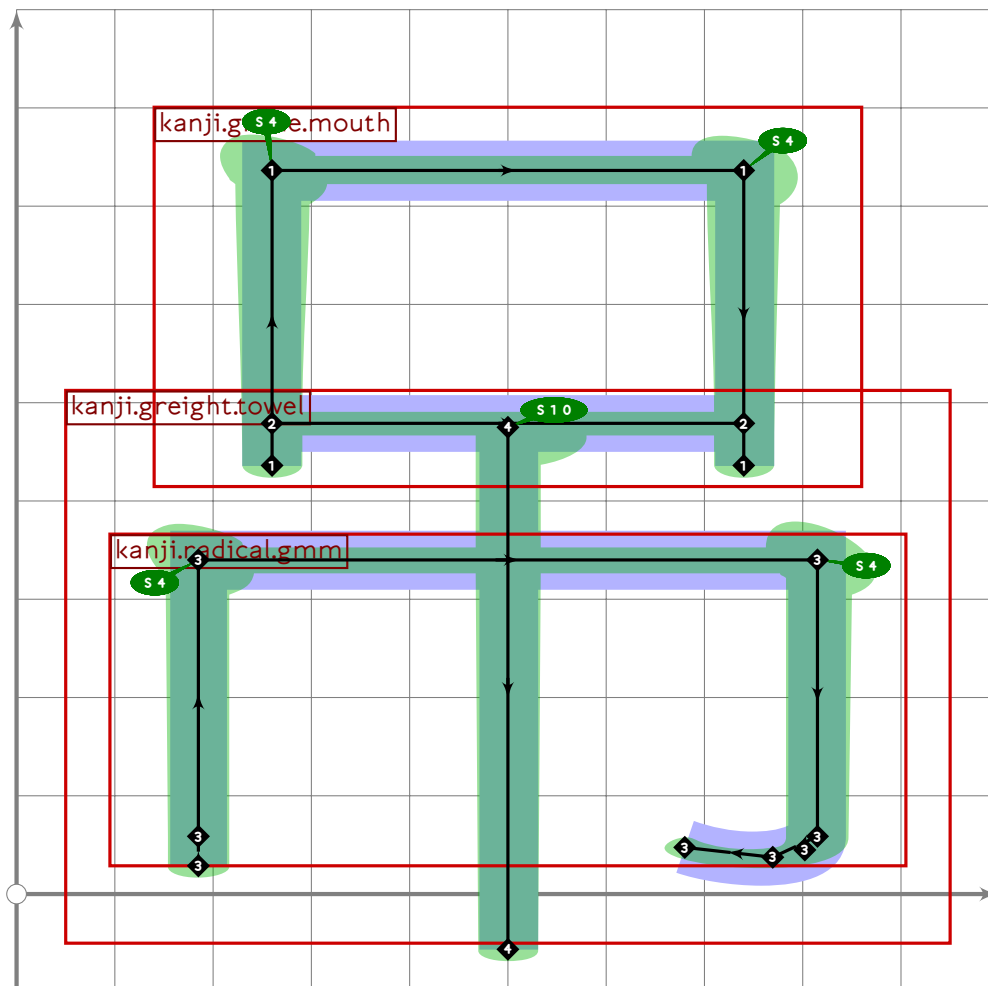
[see page 533]

```

81 tsu_render;
82 endtsuglyph;
83
84 % kichi/yoshi "good luck"
85 begintsuglyph("uni5409";9);
86 kanji.greight.good_luck;
87 tsu_render;
88 endtsuglyph;
89

```

[see page 902]



```

90 % extra chou/tsu "hanging"
91 begintsuglyph("uni540A";10);
92 build_kanji.level(build_kanji.tb(440,145)
93   (build_kanji.sscale(scaled 0.8)(kanji.grone.mouth))
94   (kanji.greight.towel));
95 tsu_render;
96 endtsuglyph;
97
98 % dou/onaji "the same"
99 begintsuglyph("uni540C";12);
100 kanji.grtwo.same;
101 tsu_render;

```

[see page 562]

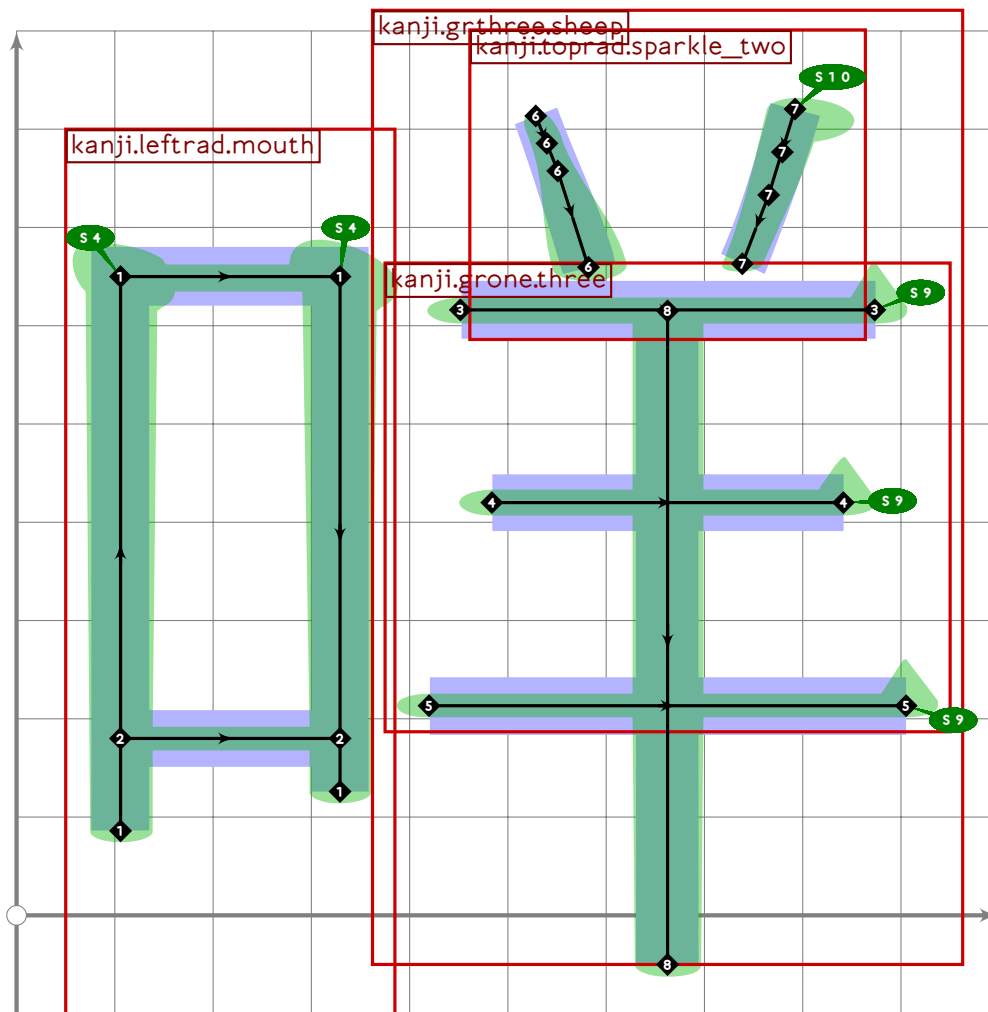
102 endtsuglyph;
 103
 104 % na "name"
 105 begintsuglyph("uni540D";13); [see page 457]
 106 kanji.grone.name;
 107 tsu_render;
 108 endtsuglyph;
 109
 110 % ri "officer"
 111 begintsuglyph("uni540F";15); [see page 917]
 112 kanji.greight.officer;
 113 tsu_render;
 114 endtsuglyph;
 115
 116 % kou/mu "facing"
 117 begintsuglyph("uni5411";17); [see page 620]
 118 kanji.grthree.facing;
 119 tsu_render;
 120 endtsuglyph;
 121
 122 % kun/kimi "pronoun or honorific for a subordinate"
 123 begintsuglyph("uni541B";27); [see page 636]
 124 kanji.grthree.junior;
 125 tsu_render;
 126 endtsuglyph;
 127
 128 % hi/ina "negation" or "the noes"
 129 begintsuglyph("uni5426";38); [see page 797]
 130 kanji.grsix.noes;
 131 tsu_render;
 132 endtsuglyph;
 133
 134 % go/ware "my, mine"
 135 begintsuglyph("uni543E";62); [see page 967]
 136 kanji.grnine.my;
 137 tsu_render;
 138 endtsuglyph;
 139
 140 % ryo "spine"
 141 begintsuglyph("uni5442";66); [see page 928]
 142 kanji.greight.spine;
 143 tsu_render;
 144 endtsuglyph;
 145
 146 % bou/boke "befuddled" (funny man in a Kansai comedy duo)
 147 begintsuglyph("uni5446";70); [see page 992]
 148 kanji.rare.befuddled;
 149 tsu_render;

150 endtsuglyph;
 151
 152 % koku "revelation"
 153 begintsuglyph("uni544A";74); [see page 729]
 154 kanji.grfour.revelation;
 155 tsu_render;
 156 endtsuglyph;
 157
 158 % tei "exhibit"
 159 begintsuglyph("uni544E";78); [see page 897]
 160 kanji.greight.exhibit;
 161 tsu_render;
 162 endtsuglyph;
 163
 164 % ton/no "drink" (rare form used as part of other things)
 165 begintsuglyph("uni5451";81); [see page 1010]
 166 kanji.rare.drink;
 167 tsu_render;
 168 endtsuglyph;
 169
 170 % shuu/mawa "circuit"
 171 begintsuglyph("uni5468";104); [see page 681]
 172 kanji.grfour.circuit;
 173 tsu_render;
 174 endtsuglyph;
 175
 176 % mi/aji "taste"
 177 begintsuglyph("uni5473";115); [see page 2147]
 178 kanji.grthree.taste;
 179 tsu_render;
 180 endtsuglyph;
 181
 182 % mei/inochi "decree"
 183 begintsuglyph("uni547D";125); [see page 614]
 184 kanji.grthree.decree;
 185 tsu_render;
 186 endtsuglyph;
 187
 188 % wa/yawa "wa" (supposedly-untranslatable term equated with Japanese spirit)
 189 begintsuglyph("uni548C";140); [see page 2148]
 190 kanji.grthree.wa;
 191 tsu_render;
 192 endtsuglyph;
 193
 194 % gaku/odoroku "outspokenly"
 195 begintsuglyph("uni54A2";162); [see page 1035]
 196 kanji.rare.outspokenly;
 197 tsu_render;

U+54A9
tsuku.uni54A9

198 endtsuglyph;

199



54

200 % rare character in the name of Shirayama Hime shrine

201 begintsuglyph("uni54A9",169);

202 build_kanji.lr(380,10)

203 (build_kanji.sscale(shifted (0,-50))(kanji.leftrad.mouth))

204 (kanji.grthree.sheep);

205 tsu_render;

206 endtsuglyph;

207

208 % needed for "feeling"

209 begintsuglyph("uni54B8",184);

210 kanji.rare.the_same;

211 tsu_render;

212 endtsuglyph;

213

214 % needed for "pass"

215 begintsuglyph("uni54BC",188);

216 kanji.rare.crooked_mouth;

217 tsu_render;

[see page 1050]

[see page 1002]

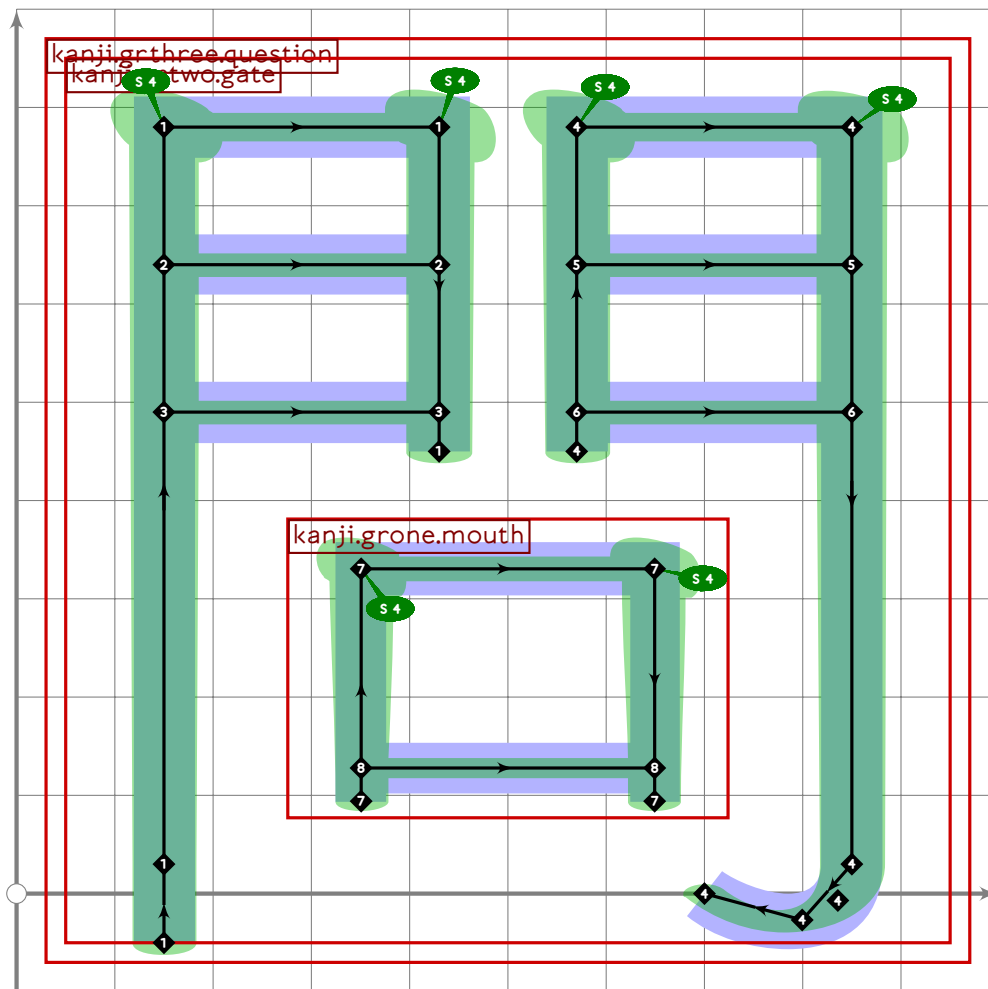
```

218 endtsuglyph;
219
220 % hin.shina "goods"
221 begintsuglyph("uni54C1";193); [see page 626]
222   kanji.grthree.goods;
223   tsu_render;
224 endtsuglyph;
225
226 % in "member"
227 begintsuglyph("uni54E1";225); [see page 641]
228   kanji.grthree.member;
229   tsu_render;
230 endtsuglyph;
231
232 % ka/uta "big brother" (needed for ka/uta "song")
233 begintsuglyph("uni54E5";229); [see page 993]
234   kanji.rare.big_brother;
235   tsu_render;
236 endtsuglyph;
237
238 _____
239
240 endfont;
241
242 _____

```


tsuku-55.mp

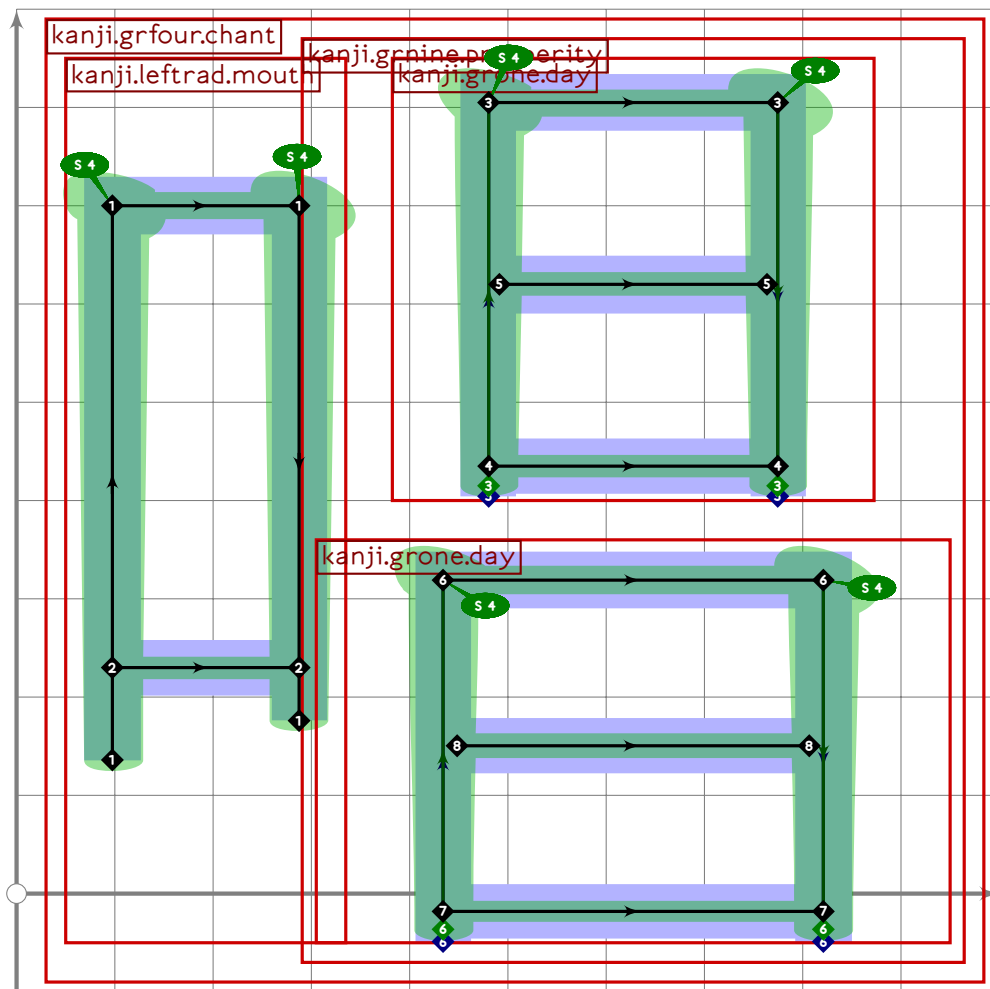
```
1 %
2 % Unicode page 55 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input gradeeight.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradethree.mp;
44 input gradetwo.mp;
45 input leftrad.mp;
46 input radical.mp;
47 input rare.mp;
48 input toprad.mp;
49
50 do_late_includes;
51
52
```



```

53
54 vardef kanji.grthree.question =
55   push_pbox_toexpand("kanji.grthree.question");
56   build_kanji.gate_enclose(
57     build_kanji.sscale(scaled 0.8)(kanji.grone.mouth));
58   expand_pbox;
59 enddef;
60
61

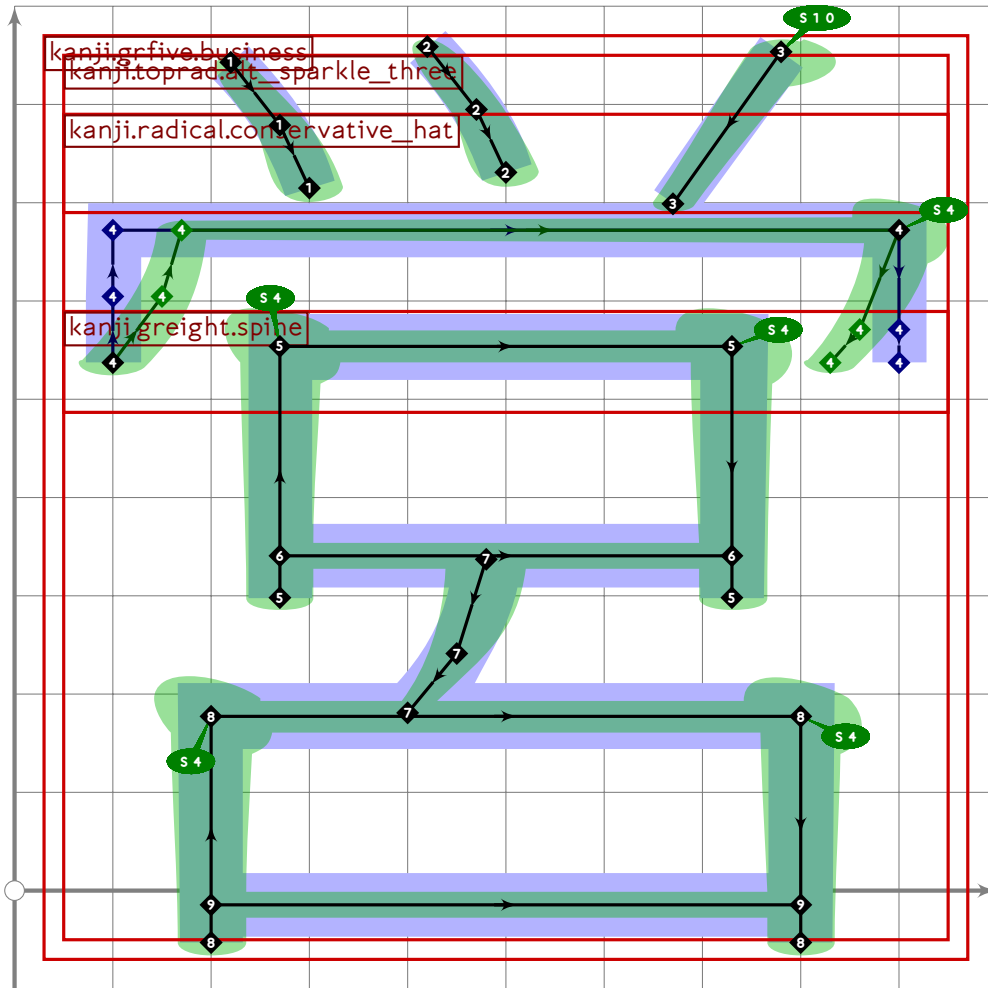
```



```

62
63 vardef kanji.grfour.chant =
64   push_pbox_toexpand("kanji.grfour.chant");
65   build_kanji.lr(320,30)
66     (kanji.leftrad.mouth)
67     (kanji.grnine.prosperity);
68   expand_pbox;
69 enddef;
70
71

```



```

72
73 vardef kanji.grfive.business =
74   push_pbox_toexpand("kanji.grfive.business");
75   build_kanji.tb(740,100)
76     (kanji.toprad.alt_sparkle_three)
77     (build_kanji.tb(580,110)
78       (kanji.radical.conservative_hat)
79       (kanji.greight.spine));
80   expand_pbox;
81 enddef;
82
83
84
85 % shou/tona "chant"
86 begintsuglyph("uni5531";49);
87   kanji.grfour.chant;
88   tsu_render;
89 endtsuglyph;
90
91 % shou/akina "commerce"
92 begintsuglyph("uni5546";70);

```

[see page 2156]

[see page 610]

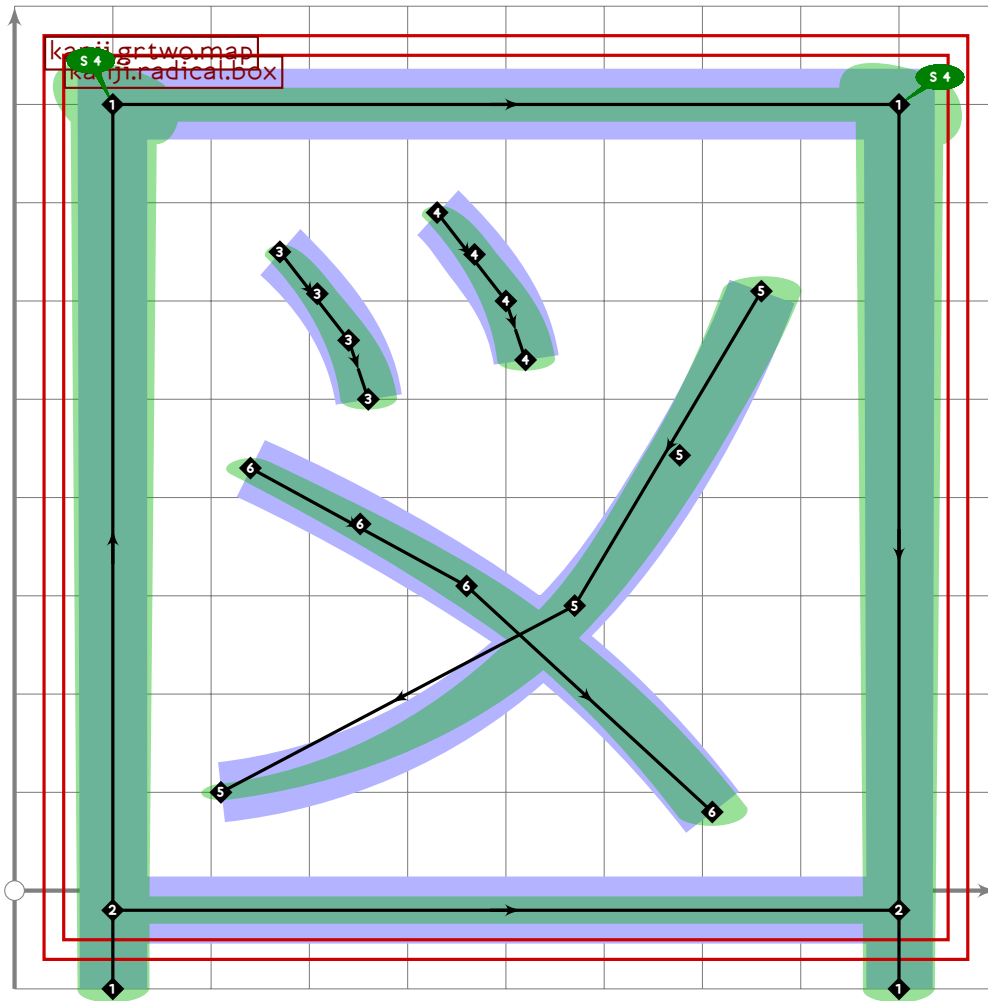
```

93  kanji.grthree.commerce;
94  tsu_render;
95  endtsuglyph;
96
97  % teki/moto "stalk"
98  begintsuglyph("uni5547";71); [see page 1044]
99  kanji.rare.stalk;
100  tsu_render;
101  endtsuglyph;
102
103  % mon/to "question"
104  begintsuglyph("uni554F";79); [see page 2155]
105  kanji.grthree.question;
106  tsu_render;
107  endtsuglyph;
108
109  % ki/yoroko "pleasure"
110  begintsuglyph("uni559C";156); [see page 724]
111  kanji.grfour.pleasure;
112  tsu_render;
113  endtsuglyph;
114
115  % kyou/taka "boast"
116  begintsuglyph("uni55AC";172); [see page 948]
117  kanji.grnine.boast;
118  tsu_render;
119  endtsuglyph;
120
121  % ei/itona "business"
122  begintsuglyph("uni55B6";182); [see page 2157]
123  kanji.grfive.business;
124  tsu_render;
125  endtsuglyph;
126
127  _____
128
129  endfont;
130
131  _____

```

tsuku-56.mp

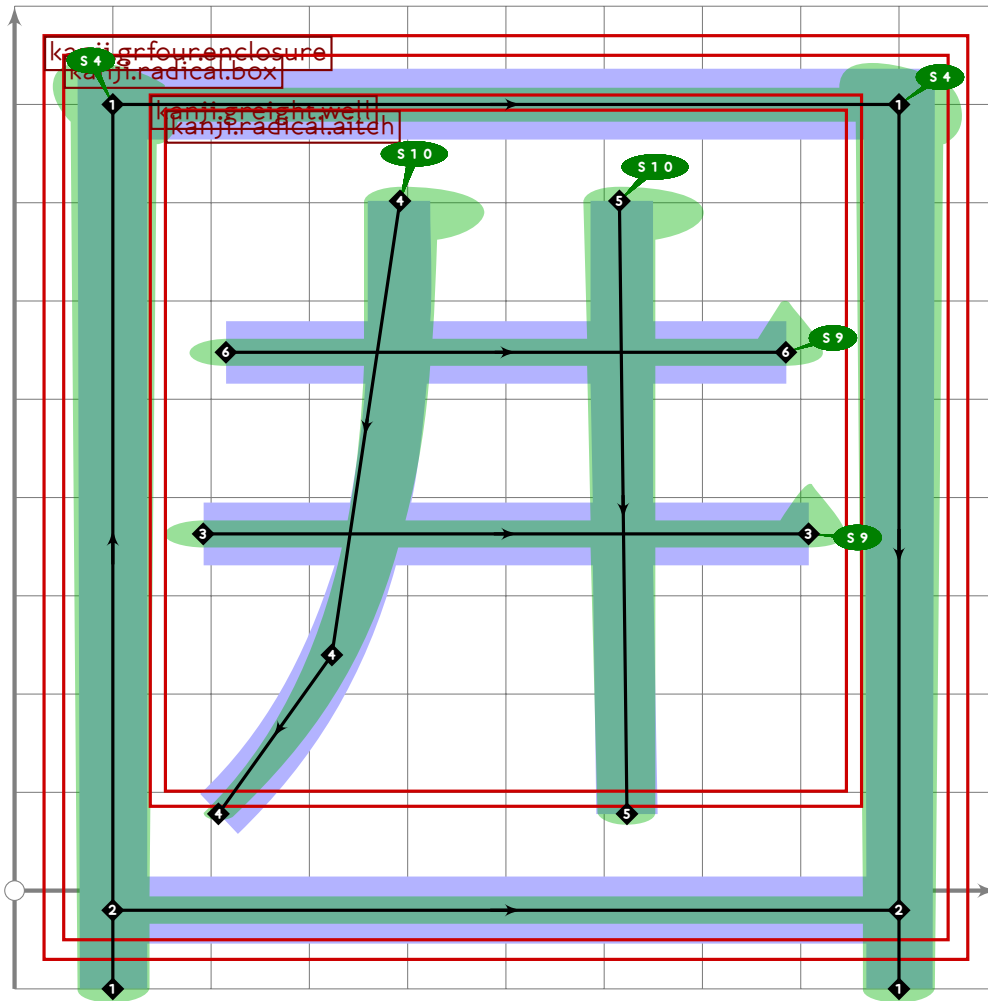
```
1 %
2 % Unicode page 56 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradeone.mp;
41 input gradesix.mp;
42 input gradetwo.mp;
43 input radical.mp;
44
45 do_late_includes;
46
47
```



```

48
49 vardef kanji.grtwo.map =
50   push_pbox_toexpand("kanji.grtwo.map");
51   kanji.radical.box;
52   push_stroke((270,650)..tension 1.2..(340,560)..(360,500),
53     (1,1)–(1.2,1.2)–(1.3,1.3));
54   push_stroke(get_strokep(0) shifted ((430,690)-point 0 of get_strokep(0)),
55     get_strokeq(0));
56   push_stroke((760,610)..tension 1.2..(570,290)..(210,100),
57     (1.6,1.6)–(1.4,1.4)–(1.1,1.1));
58   push_stroke((240,430)..tension 1.2..(460,310)..(710,80),
59     (1.2,1.2)–(1.4,1.4)–(1.5,1.5));
60   expand_pbox;
61 enddef;
62
63

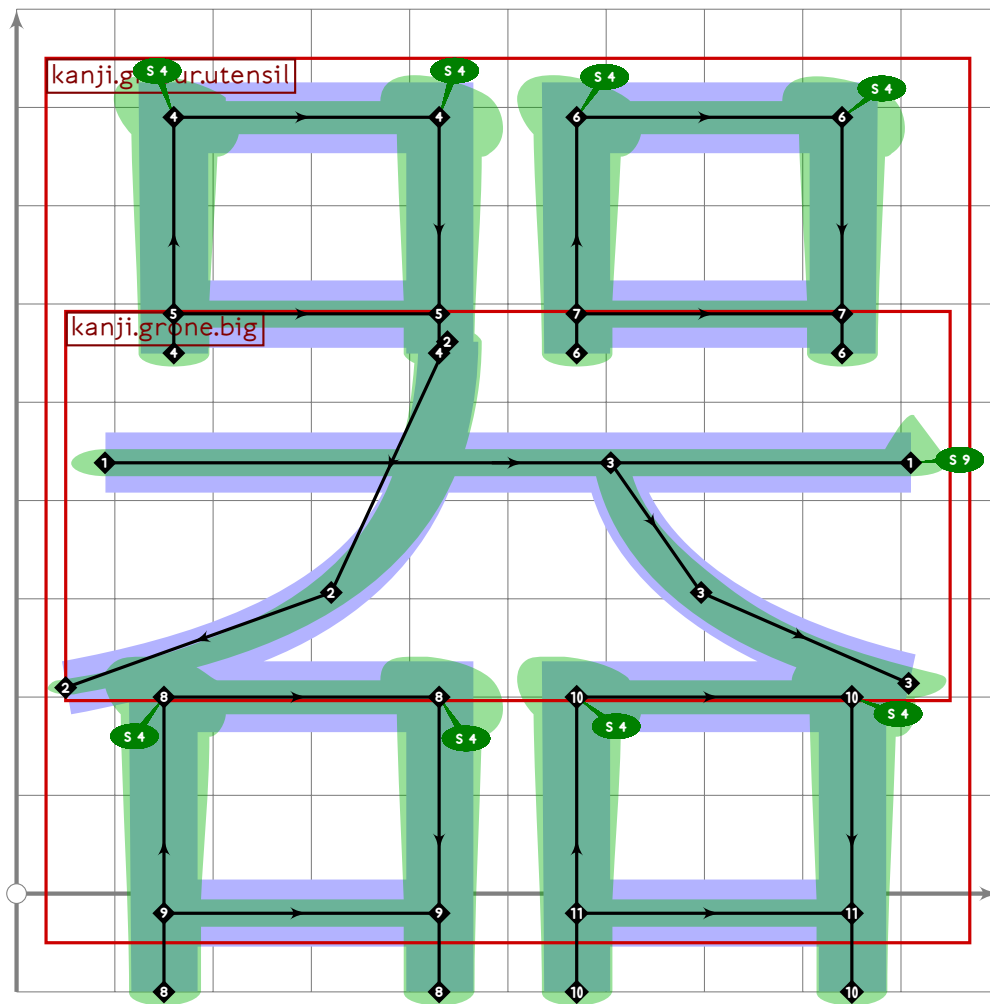
```



```

64
65 vardef kanji.grfour.enclosure =
66   push_pbox_toexpand("kanji.grfour.enclosure");
67   kanji.radical.box;
68   build_kanji.sscaled(scaled 0.77 shifted (0,50))(kanji.greight.well);
69   expand_pbox;
70 enddef;

```

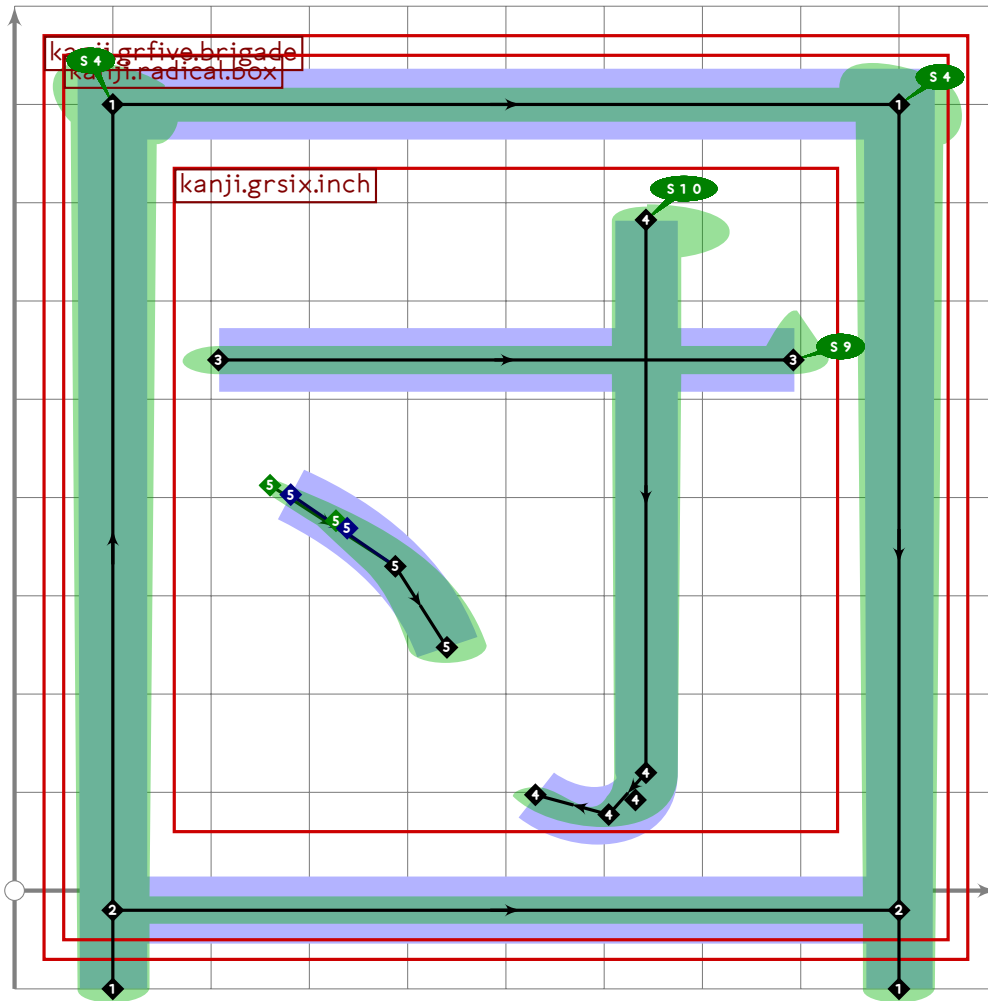



56

```

71
72 vardef kanji.grfour.utensil =
73   push_pbox_toexpand("kanji.grfour.utensil");
74   build_kanji.sscale(yscaled 0.44)
75     (build_kanji.spread_legs(140)(kanji.grone.big));
76   build_kanji.box((160,790),(430,590));
77   build_kanji.box((570,790),(840,590));
78   build_kanji.box((150,200),(430,-20));
79   build_kanji.box((570,200),(850,-20));
80   expand_pbox;
81 enddef;
82
83

```



```

84
85 vardef kanji.grfive.brigade =
86   push_pbox_toexpand("kanji.grfive.brigade");
87   kanji.radical.box;
88   build_kanji.sscale(scaled 0.75)(kanji.grsix.inch);
89   expand_pbox;
90 enddef;
91
92
93
94 % ki/utsuwa "utensil"
95 begintsuglyph("uni5668";104);
96   kanji.grfour.utensil;
97   tsu_render;
98 endtsuglyph;
99
100 % box radical
101 begintsuglyph("uni56D7";215);
102   kanji.radical.box;
103   tsu_render;
104 endtsuglyph;

```

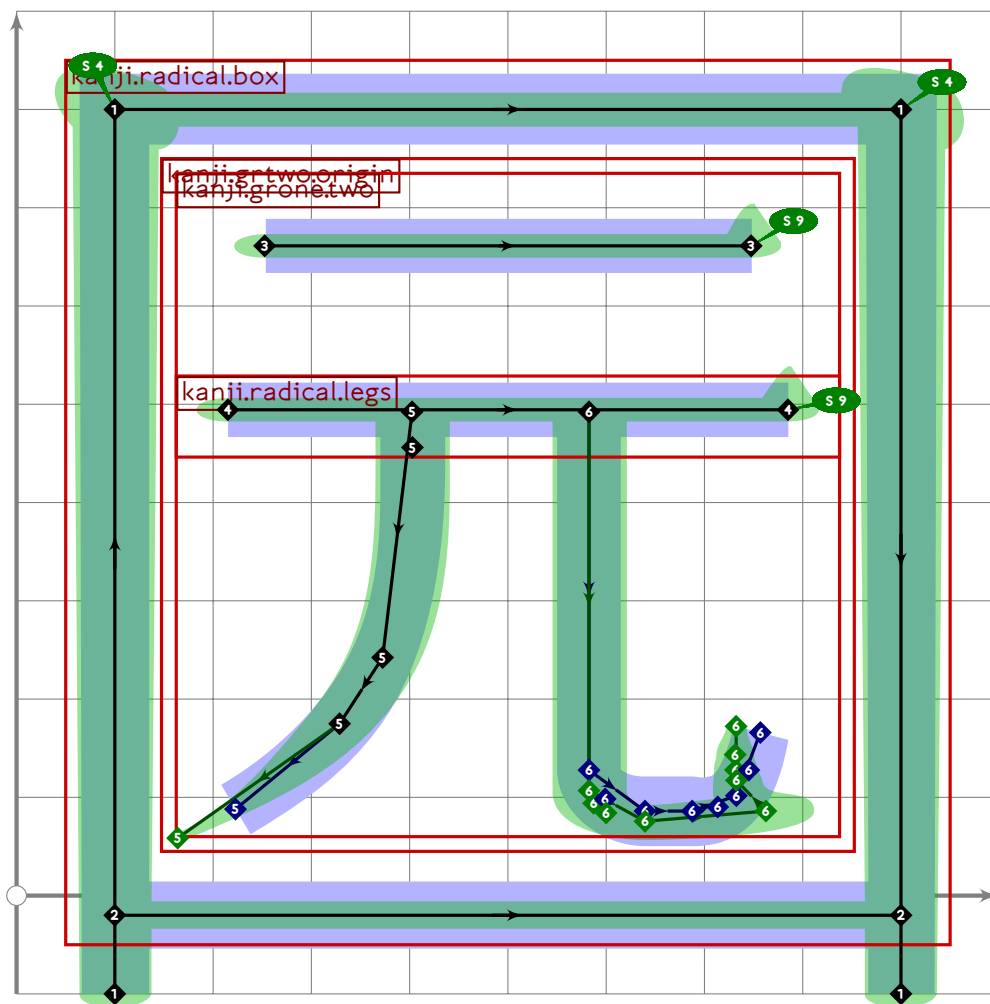
[see page 2162]

[see page 826]

```

105
106 % shi/yon "four"
107 begintsuglyph("uni56DB";219); [see page 442]
108   kanji.grone.four;
109   tsu_render;
110 endtsuglyph;
111
112 % kai "counter for occurrences"
113 begintsuglyph("uni56DE";222); [see page 552]
114   kanji.grtwo.occurrences;
115   tsu_render;
116 endtsuglyph;
117
118 % in/yo "cause"
119 begintsuglyph("uni56E0";224); [see page 749]
120   kanji.grfive.cause;
121   tsu_render;
122 endtsuglyph;
123
124 % dan/katamari "group or association" (as in SOS Brigade)
125 begintsuglyph("uni56E3";227); [see page 2163]
126   kanji.grfive.brigade;
127   tsu_render;
128 endtsuglyph;
129

```



```

130 % extra
131 begintsuglyph("uni56ED";237);
132   kanji.radical.box;
133   build_kanji.scale(scaled 0.75)(kanji.grtwo.origin);
134   tsu_render;
135 endtsuglyph;
136
137 % koma "bothered"
138 begintsuglyph("uni56F0";240);
139   kanji.grsix.bothered;
140   tsu_render;
141 endtsuglyph;
142
143 % i/kako "enclosure"
144 begintsuglyph("uni56F2";242);
145   kanji.grfour.enclosure;
146   tsu_render;
147 endtsuglyph;
148
149 % zu/haka "map"
150 begintsuglyph("uni56F3";243);

```

[see page 788]

[see page 2161]

[see page 2160]

```

151  kanji.grtwo.map;
152  tsu_render;
153  endtsuglyph;
154
155  % ko/kata "hard"
156  begintsuglyph("uni56FA";250); [see page 707]
157  kanji.grfour.hard;
158  tsu_render;
159  endtsuglyph;
160
161  % koku/kuni "country"
162  begintsuglyph("uni56FD";253); [see page 506]
163  kanji.grtwo.country;
164  tsu_render;
165  endtsuglyph;
166
167  _____
168
169  endfont;
170
171  _____

```

tsuku-57.mp

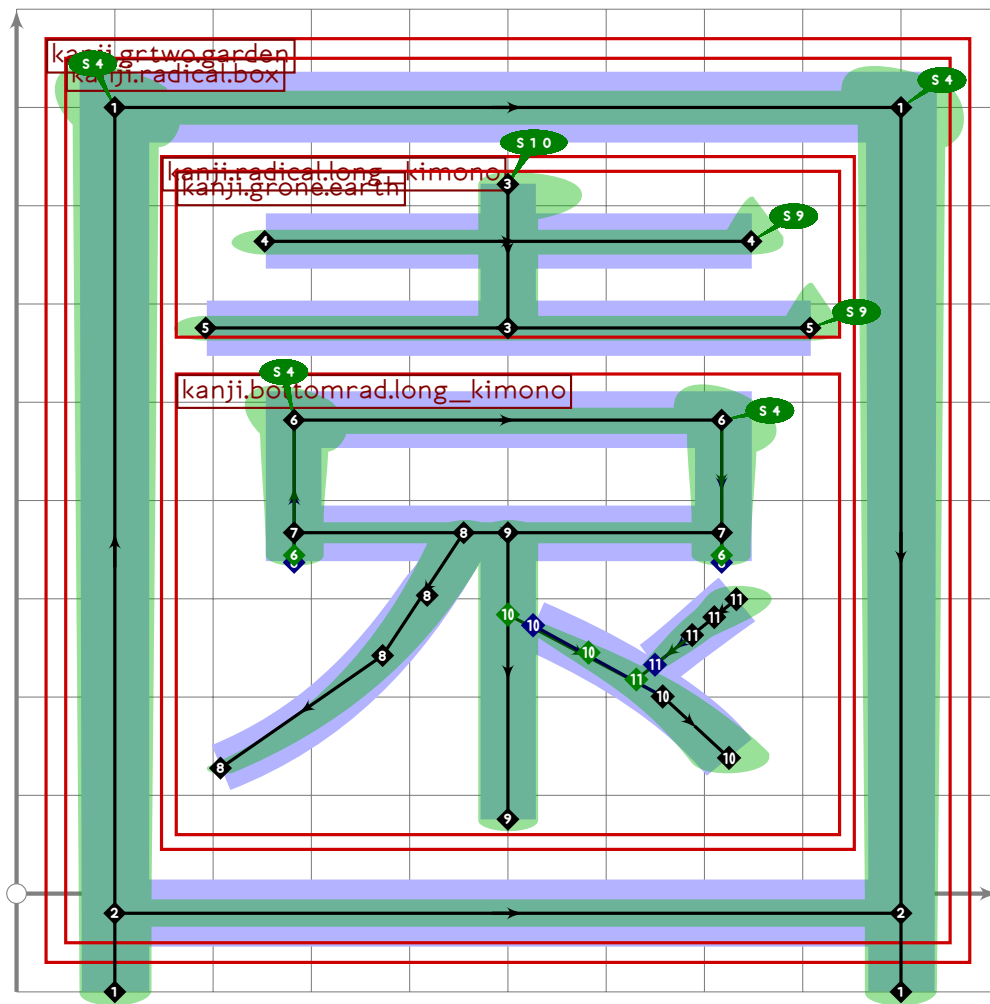
```
1 %
2 % Unicode page 57 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input gradeeight.mp;
40 input gradefive.mp;
41 input gradefour.mp;
42 input gradenine.mp;
43 input gradeone.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49 input rightrad.mp;
50
51 do_late_includes;
52
53 

---

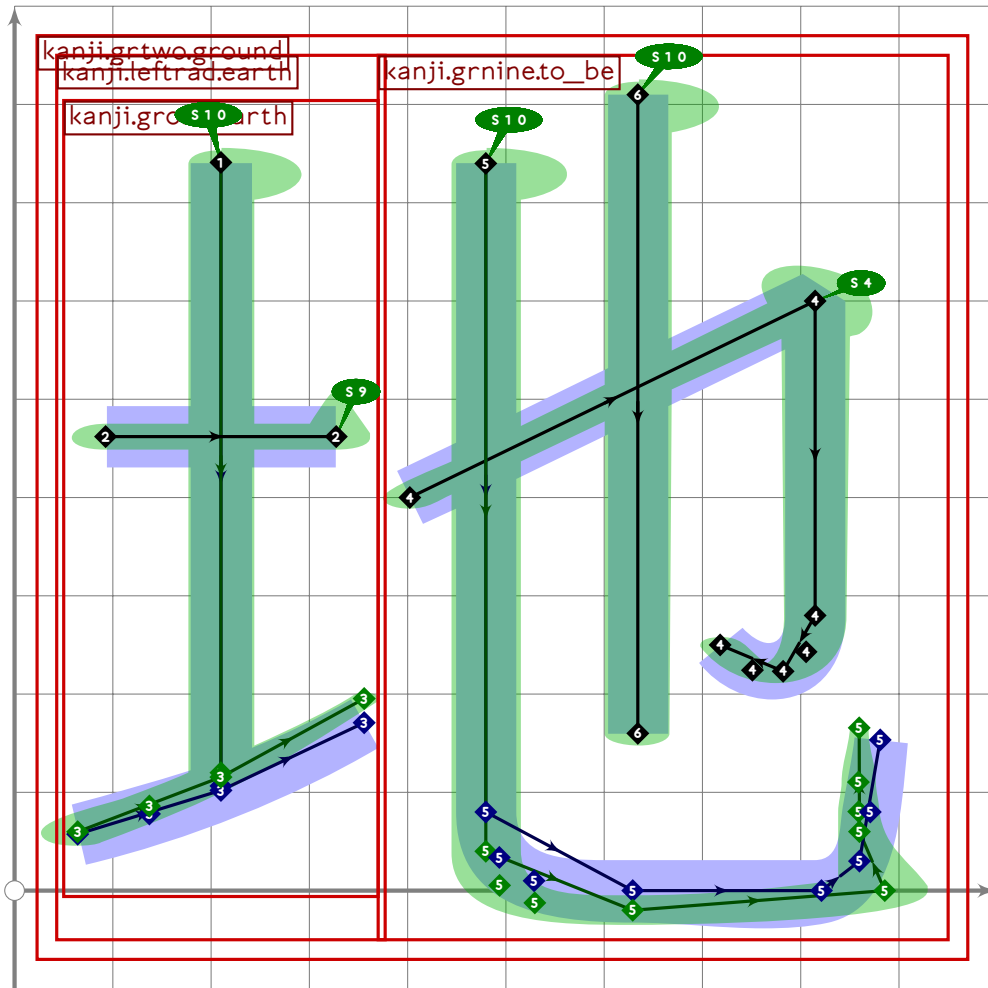

```



```

54
55 vardef kanji.grtwo.garden =
56   push_pbox_toexpand("kanji.grtwo.garden");
57   kanji.radical.box;
58   build_kanji.sscale(scaled 0.75)
59     (kanji.radical.long_kimono);
60   expand_pbox;
61 enddef;

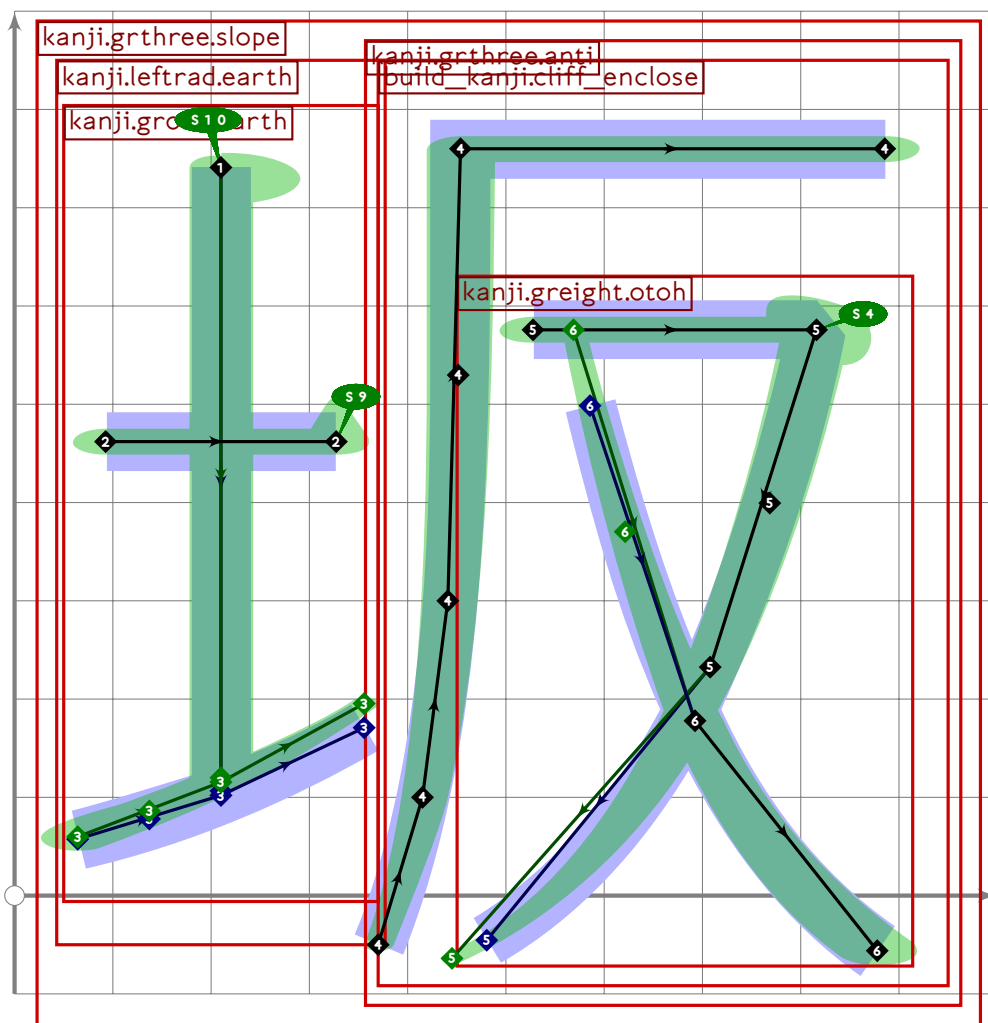
```



```

62
63 vardef kanji.grtwo.ground =
64   push_pbox_toexpand("kanji.grtwo.ground");
65   build_kanji.level(build_kanji.lr(370,0)
66     (kanji.leftrad.earth)
67     (kanji.grnine.to_be));
68   expand_pbox;
69 enddef;
70
71

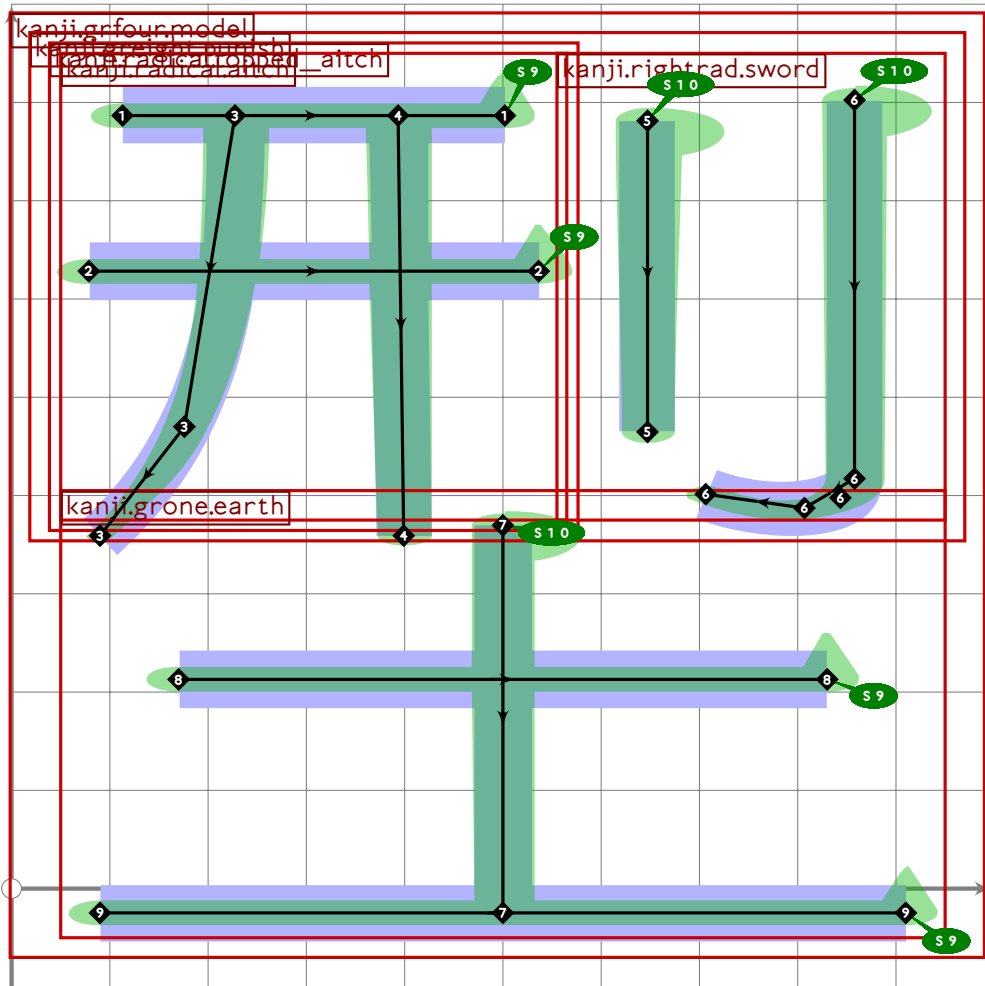
```

```

72
73 vardef kanji.grthree.slope =
74   push_pbox_toexpand("kanji.grthree.slope");
75   build_kanji.level(build_kanji.lr(370,0)
76     (kanji.leftrad.earth)
77     (kanji.grthree.anti));
78   expand_pbox;
79 enddef;
80
81

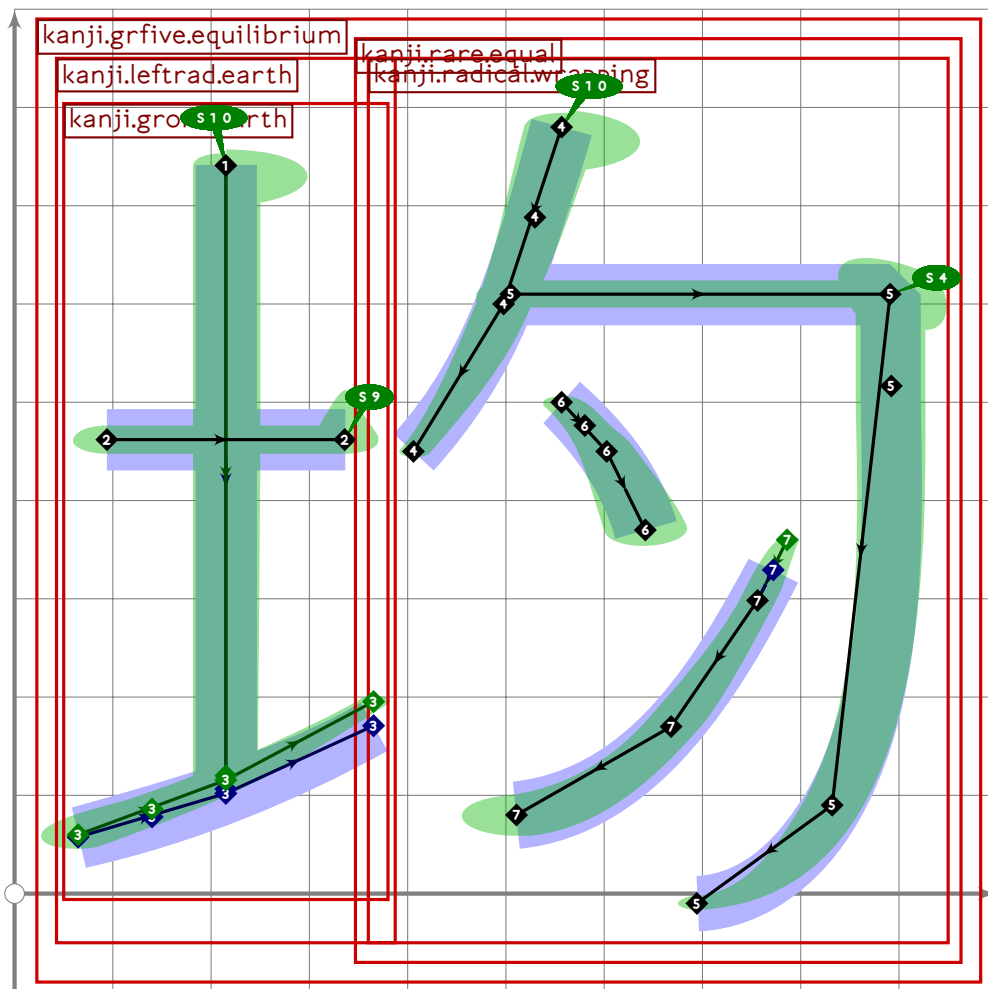
```



```

82
83 vardef kanji.grfour.model =
84   push_pbox_toexpand("kanji.grfour.model");
85   build_kanji.level(build_kanji.tb(390,30)
86     (kanji.greight.punish)
87     (kanji.grone.earth));
88   expand_pbox;
89 enddef;
90
91

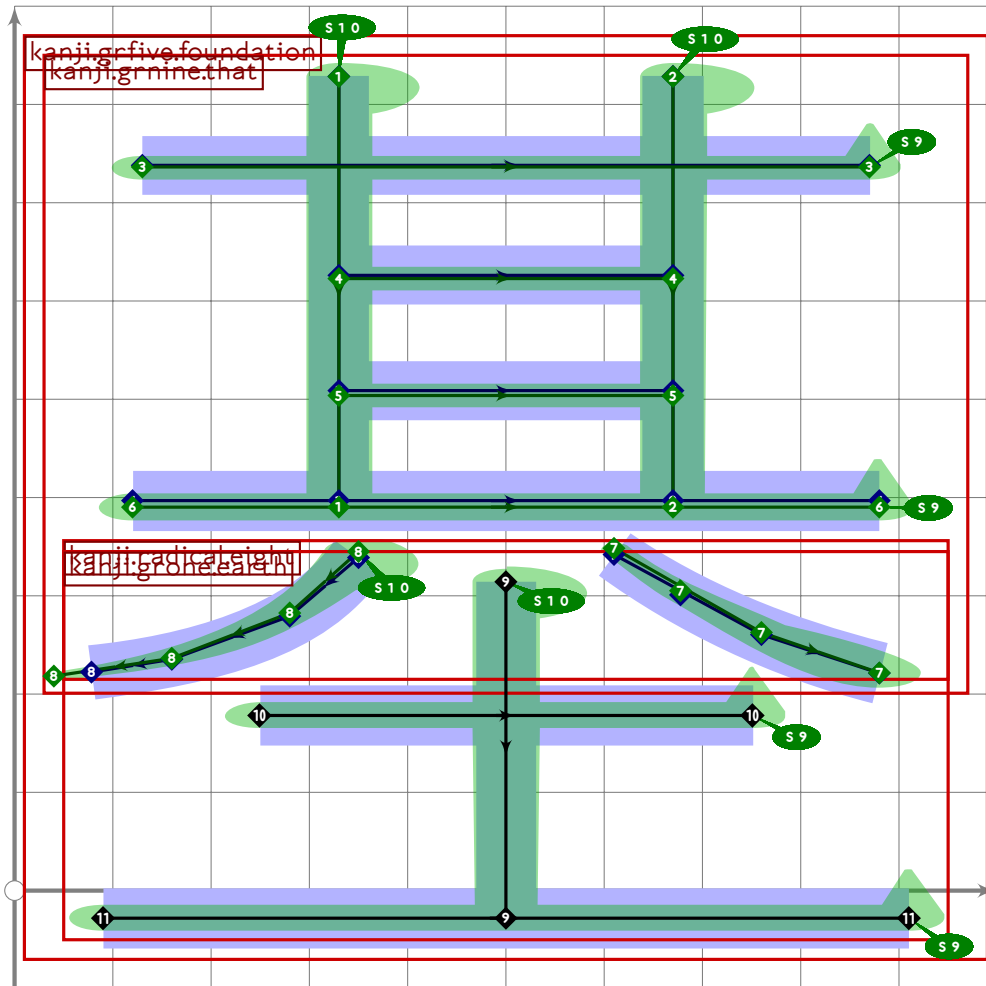
```



```

92
93 vardef kanji.grfive.equilibrium =
94   push_pbox_toexpand("kanji.grfive.equilibrium");
95   build_kanji.level(build_kanji.lr(370,20)
96     (kanji.leftrad.earth)
97     (kanji.rare.equal));
98   expand_pbox;
99 enddef;

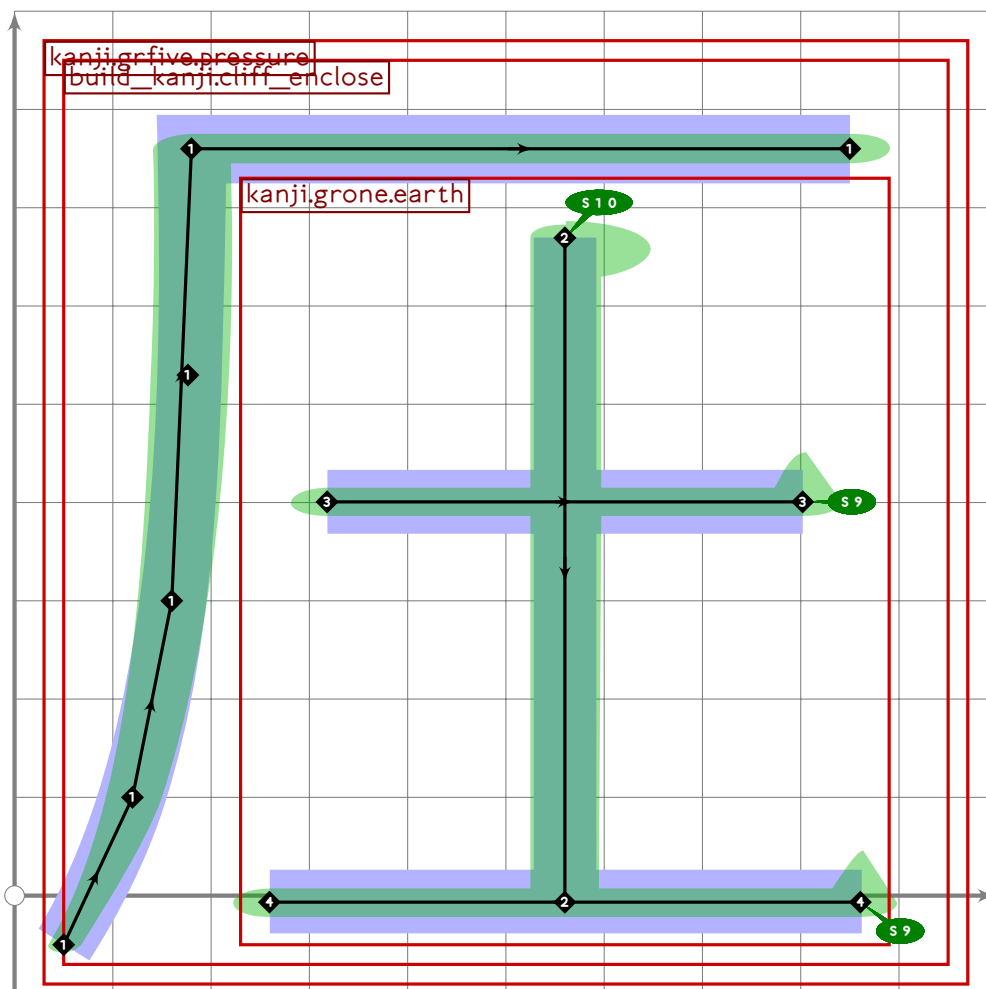
```



```

100
101 vardef kanji.grfive.foundation =
102   push_pbox_toexpand("kanji.grfive.foundation");
103   build_kanji.level(build_kanji.tb(280,130)
104     (kanji.grnine.that)
105     (kanji.grone.earth;
106       replace_stroke(-1)(subpath (0,12,0,88) of oldp)));
107   expand_pbox;
108 enddef;

```



```

109
110 vardef kanji.grfive.pressure =
111   push_pbox_toexpand("kanji.grfive.pressure");
112   build_kanji.cliff_enclose(kanji.grone.earth);
113   expand_pbox;
114 enddef;
115

```

57

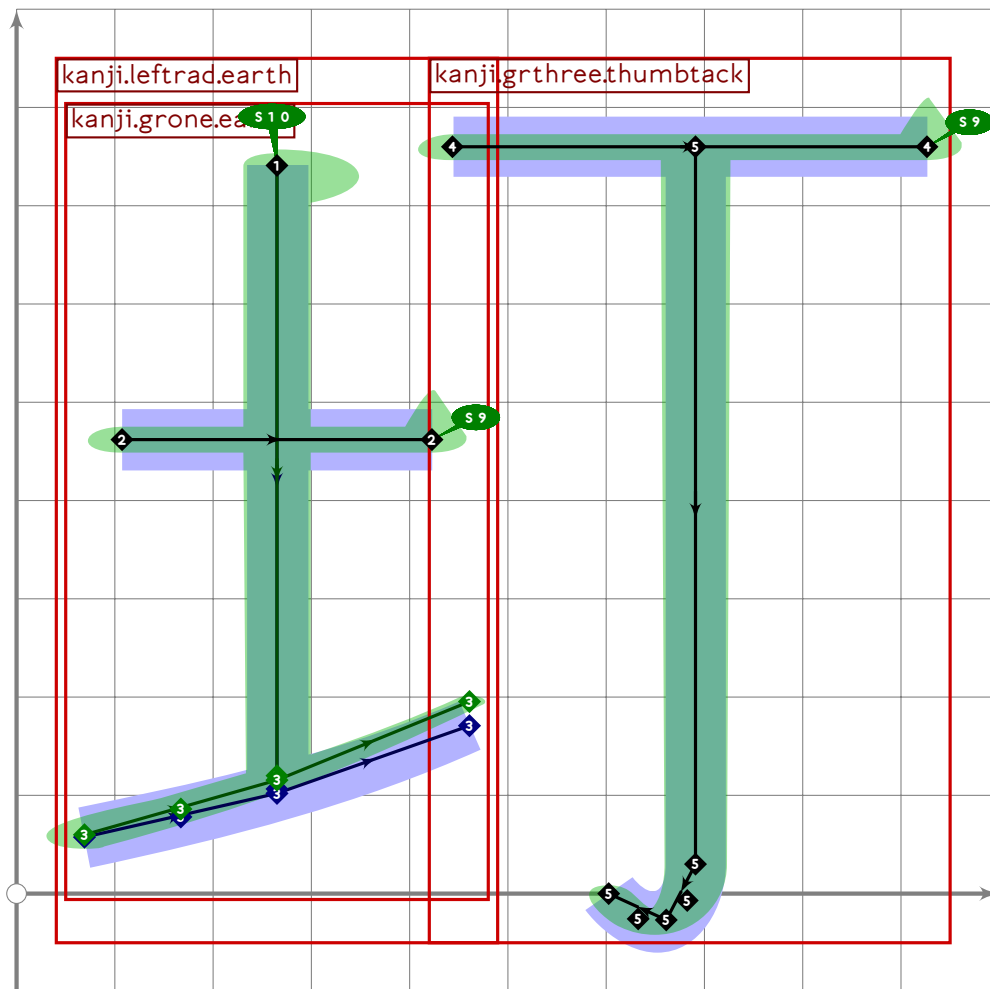
```

116
117
118 % en/zono "garden"
119 begintsuglyph("uni5712";18);
120   kanji.grtwo.garden;
121   tsu_render;
122 endtsuglyph;
123
124 % tsuchi/do "earth"
125 begintsuglyph("uni571F";31);
126   kanji.grone.earth;
127   tsu_render;
128 endtsuglyph;
129

```

[see page 2168]

[see page 434]



```

130 % extra
131 begintsuglyph("uni5722";34);
132   build_kanji.level(build_kanji.lr(450,60)
133     (kanji.leftrad.earth)
134     (kanji.grthree.thumbtack));
135   tsu_render;
136 endtsuglyph;
137
138 % extra: "sacred"
139 begintsuglyph("uni5723";35);
140   kanji.rare.sacred;
141   tsu_render;
142 endtsuglyph;
143
144 % extra: "mushroom"
145 begintsuglyph("uni5725";37);
146   kanji.rare.mushroom;
147   tsu_render;
148 endtsuglyph;
149
150 % atsu/o "pressure"

```

[see page 1040]

[see page 1029]

```

151 begintsuglyph("uni5727";39);
152   kanji.grfive.pressure;
153   tsu_render;
154 endtsuglyph;
155
156 % zai/aru "exist"
157 begintsuglyph("uni5728";40);
158   kanji.grfive.exist;
159   tsu_render;
160 endtsuglyph;
161
162 % kei/ka "square jewel"
163 begintsuglyph("uni572D";45);
164   kanji.grnine.square_jewel;
165   tsu_render;
166 endtsuglyph;
167
168 % chi/ji "ground"
169 begintsuglyph("uni5730";48);
170   kanji.grtwo.ground;
171   tsu_render;
172 endtsuglyph;
173
174 % han/saka "slope"
175 begintsuglyph("uni5742";66);
176   kanji.grthree.slope;
177   tsu_render;
178 endtsuglyph;
179
180 % kin/nara "equilibrium"
181 begintsuglyph("uni5747";71);
182   kanji.grfive.equilibrium;
183   tsu_render;
184 endtsuglyph;
185

```

[see page 2174]

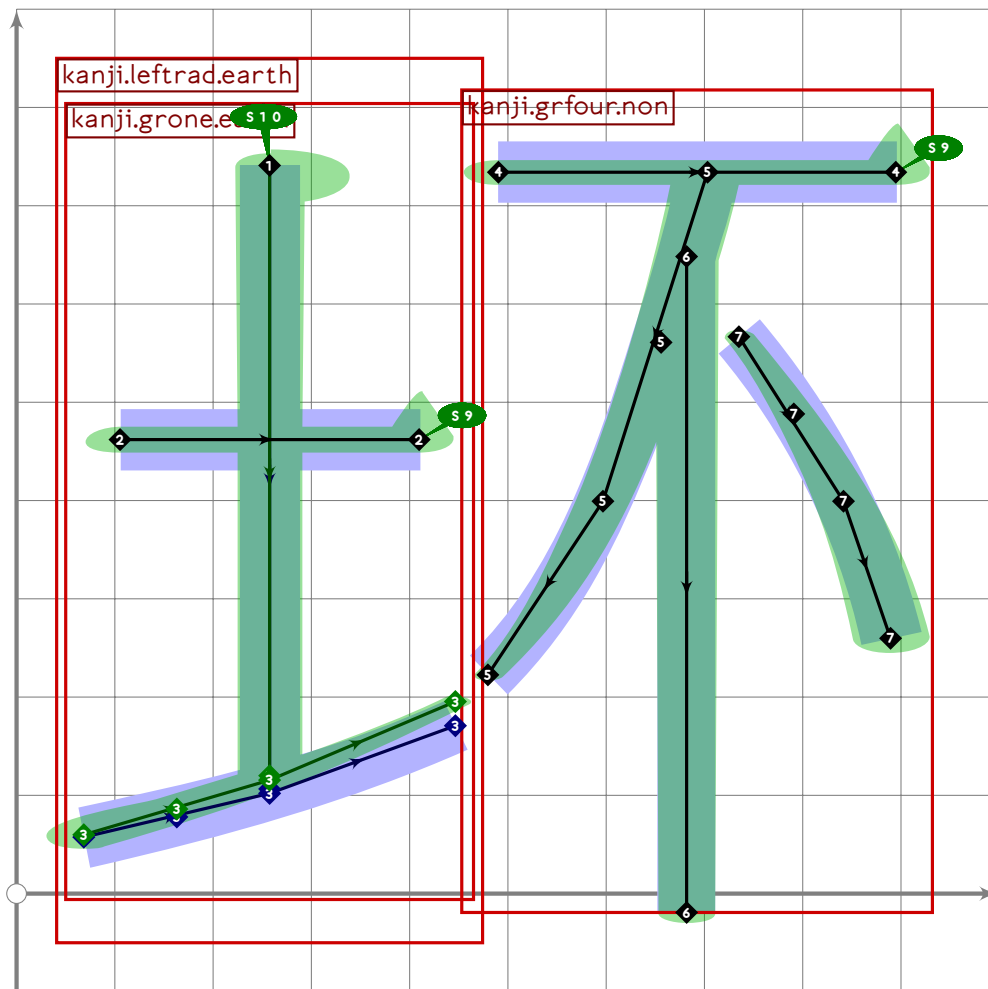
[see page 756]

[see page 975]

[see page 2169]

[see page 2170]

[see page 2172]



```

186 % extra: hai/tsuki "bowl"
187 begintsuglyph("uni574F",79);
188   build_kanji.level(build_kanji.lr(450,30)
189     (kanji.leftrad.earth)
190     (build_kanji.sscale(scaled 0.93)(kanji.grfour.non)));
191   tsu_render;
192 endtsuglyph;
193
194 % extra: "clod of earth"
195 begintsuglyph("uni5774",116);
196   kanji.rare.clod_of_earth;
197   tsu_render;
198 endtsuglyph;
199
200 % kei/kata "model"
201 begintsuglyph("uni578B",139);
202   kanji.grfour.model;
203   tsu_render;
204 endtsuglyph;
205
206 % gei/u "art"

```

[see page 1000]

[see page 2171]


```
207 begintsuglyph("uni57F6";246); [see page 988]
208   kanji.rare.art;
209   tsu_render;
210 endtsuglyph;
211
212 % ki/moto "foundation"
213 begintsuglyph("uni57FA";250); [see page 2173]
214   kanji.grfive.foundation;
215   tsu_render;
216 endtsuglyph;
217
218 

---

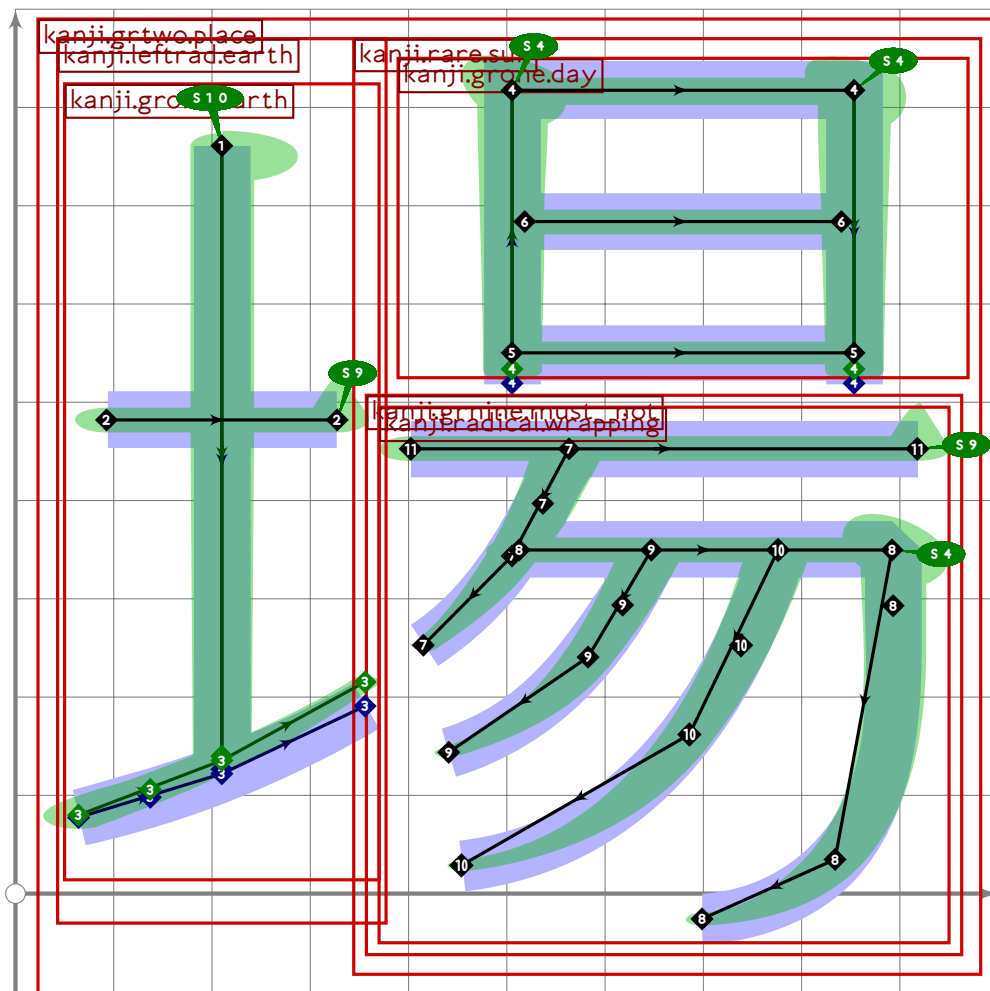

219
220 endfont;
221
222 

---


```

tsuku-58.mp

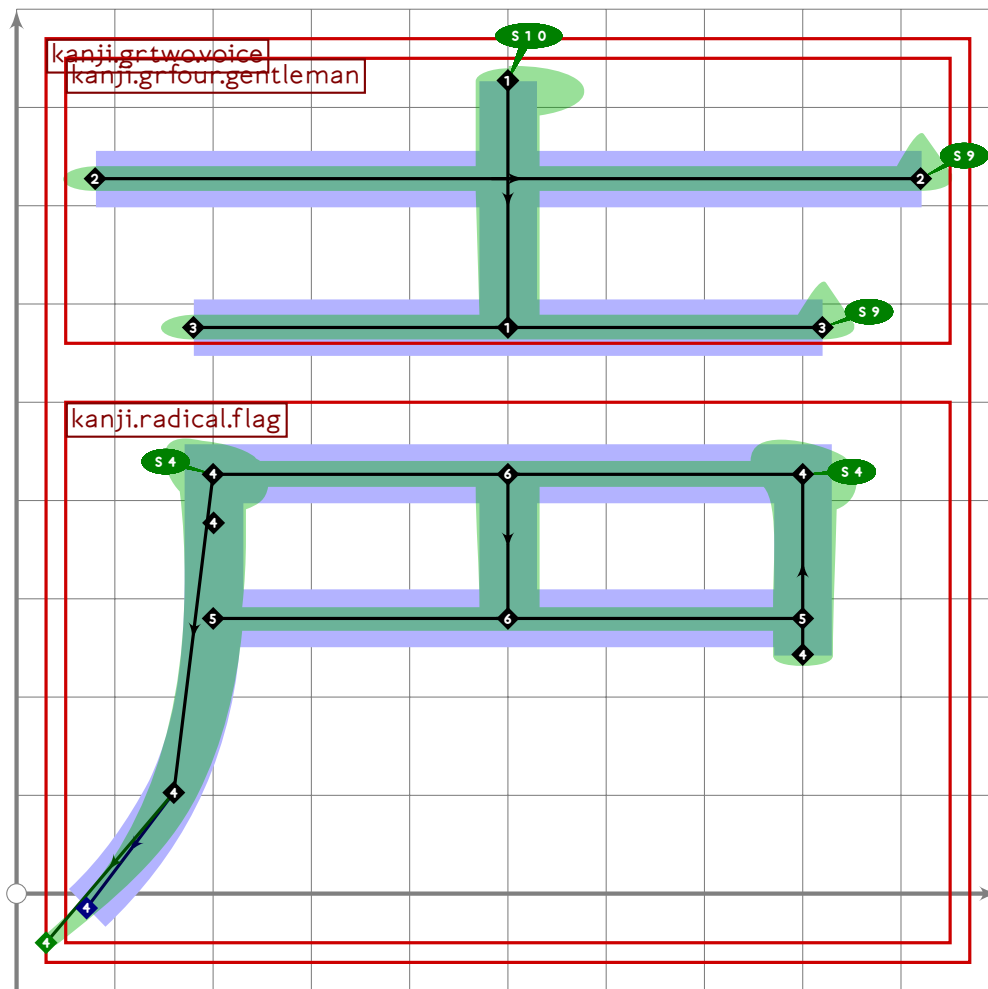
```
1 %
2 % Unicode page 58 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefour.mp;
39 input gradenine.mp;
40 input gradeone.mp;
41 input gradethree.mp;
42 input gradetwo.mp;
43 input leftrad.mp;
44 input radical.mp;
45 input rare.mp;
46 input rightrad.mp;
47 input toprad.mp;
48
49 do_late_includes;
50
51
```



```

52
53 vardef kanji.grtwo.place =
54   push_pbox_toexpand("kanji.grtwo.place");
55   build_kanji.level(build_kanji.lr(370,0)
56     (tsu_xform(identity shifted (0,20))(kanji.leftrad.earth))
57     (kanji.rare.sun));
58   expand_pbox;
59 enddef;

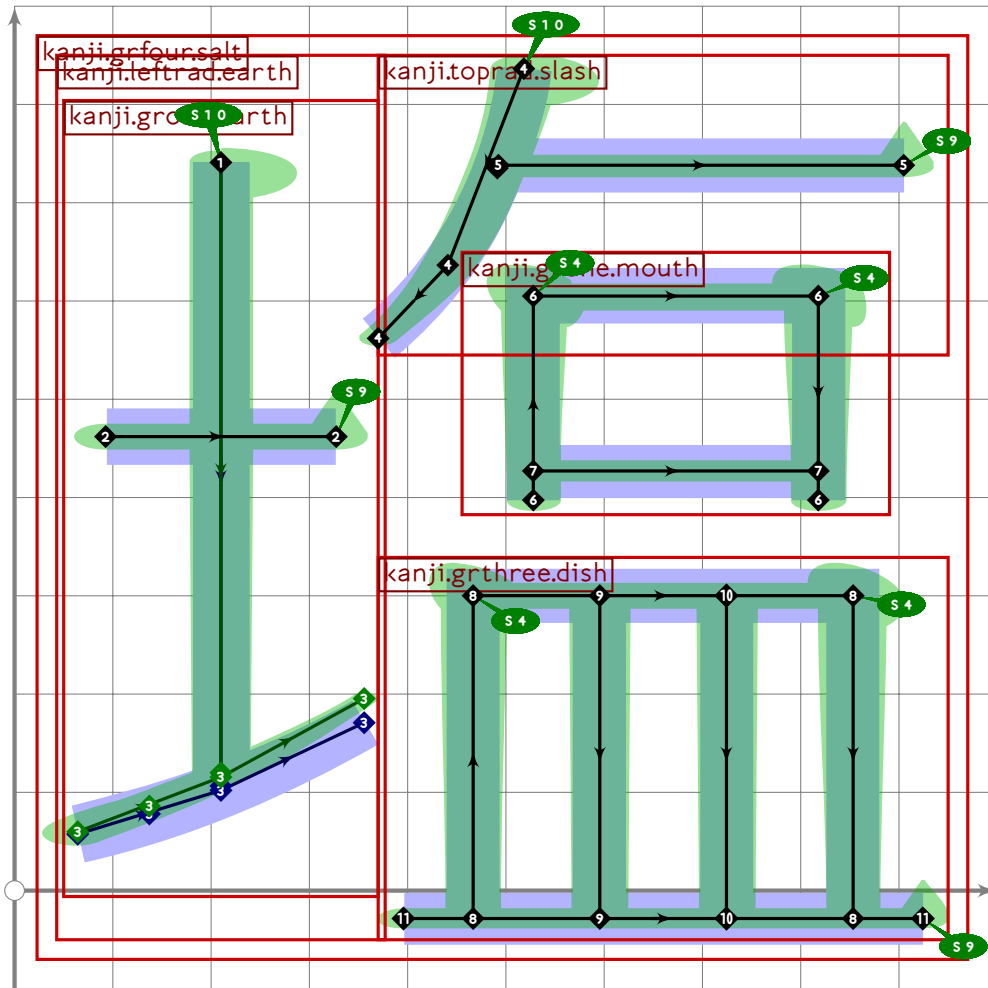
```



```

60
61 vardef kanji.grtwo.voice =
62   push_pbox_toexpand("kanji.grtwo.voice");
63   build_kanji.tb(530,-60)
64     (kanji.grfour.gentleman)
65     (kanji.radical.flag;
66       push_stroke((500,730)-(500,490),(1.5,1.5)-(14,14)));
67   expand_pbox;
68 enddef;
69
70

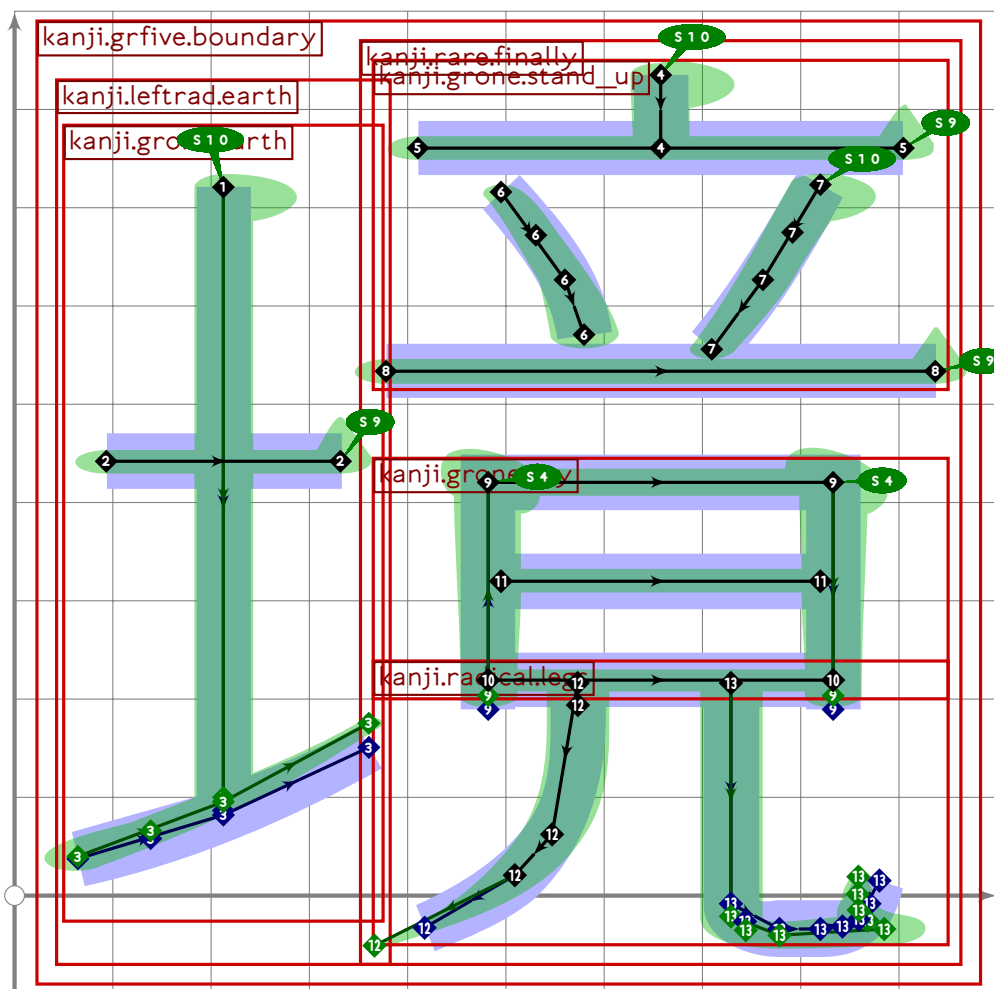
```



```

71
72 vardef kanji.grfour.salt =
73   push_pbox_toexpand("kanji.grfour.salt");
74   build_kanji.lr(370,0)
75     (kanji.leftrad.earth)
76     (build_kanji.level(build_kanji.tb(620,150)
77       (kanji.toprad.slash)
78       (build_kanji.tb(420,0)
79         (build_kanji.sscale(scaled 0.75 shifted (20,0))
80           (kanji.grone.mouth))
81           (kanji.grthree.dish)))));
82   expand_pbox;
83 enddef;
84
85

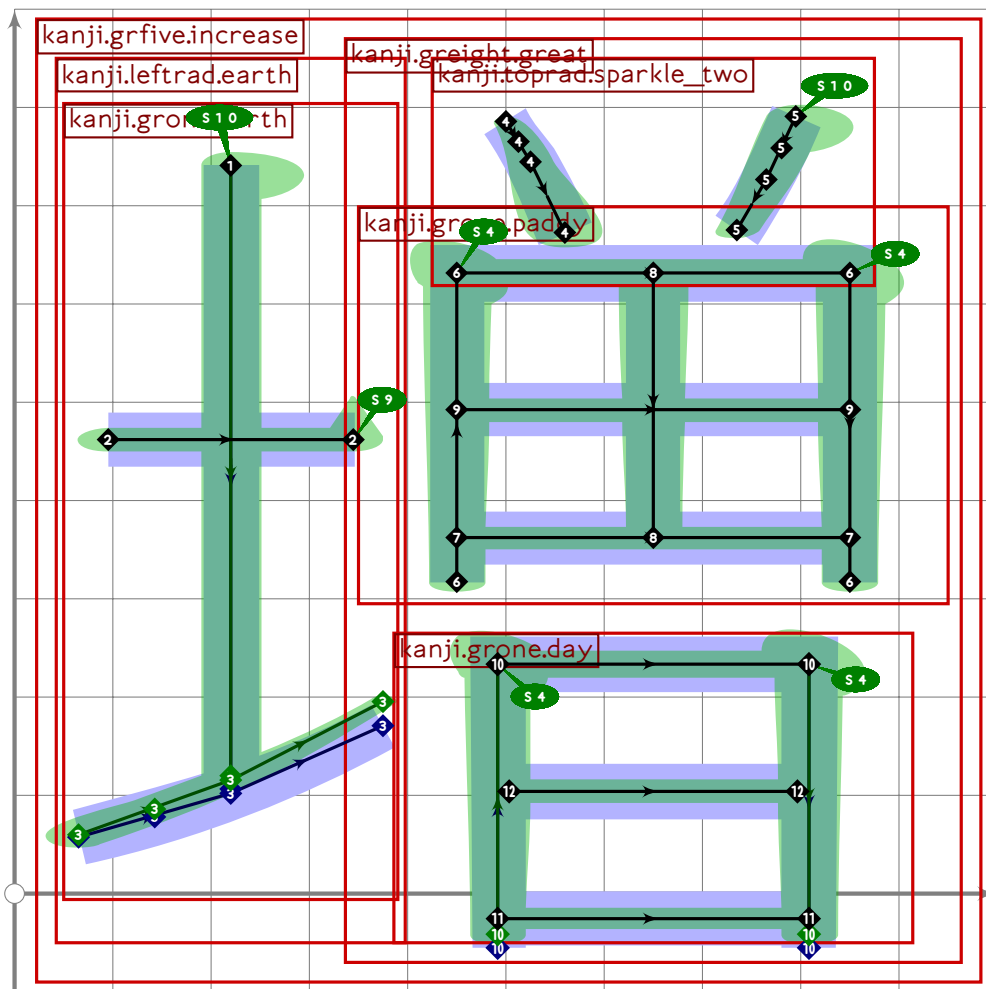
```



```

86
87 vardef kanji.grfive.boundary =
88   push_pbox_toexpand("kanji.grfive.boundary");
89   build_kanji.level(build_kanji.lr(370,10)
90     (build_kanji.sscale(shifted (0;20))(kanji.leftrad.earth))
91     (kanji.rare.finally));
92   expand_pbox;
93 enddef;

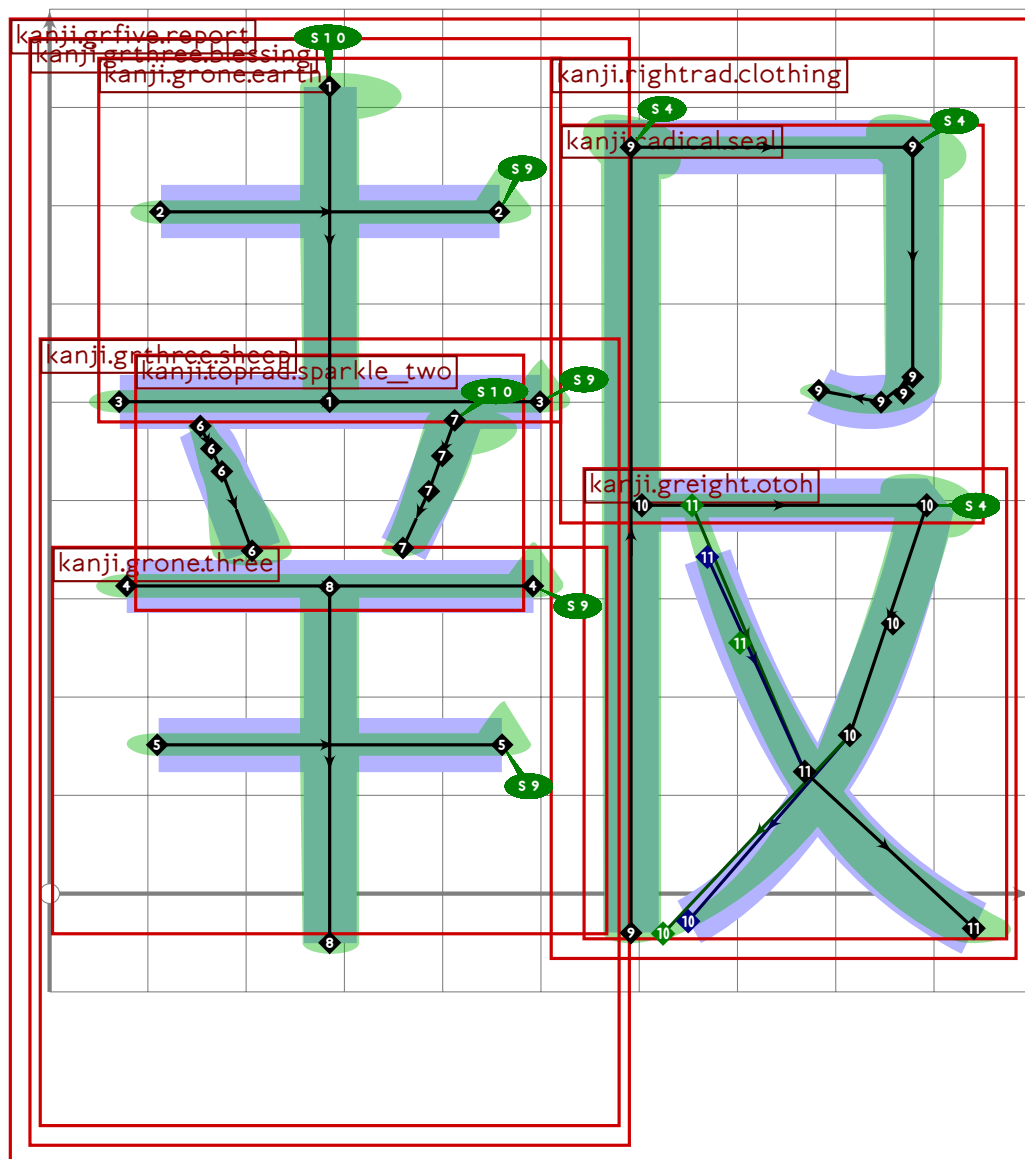
```



```

94
95 vardef kanji.grfive.increase =
96   push_pbox_toexpand("kanji.grfive.increase");
97   build_kanji.level(build_kanji.lr(37040)
98     (kanji.leftrad.earth)
99     (kanji.greight.great));
100   expand_pbox;
101 enddef;

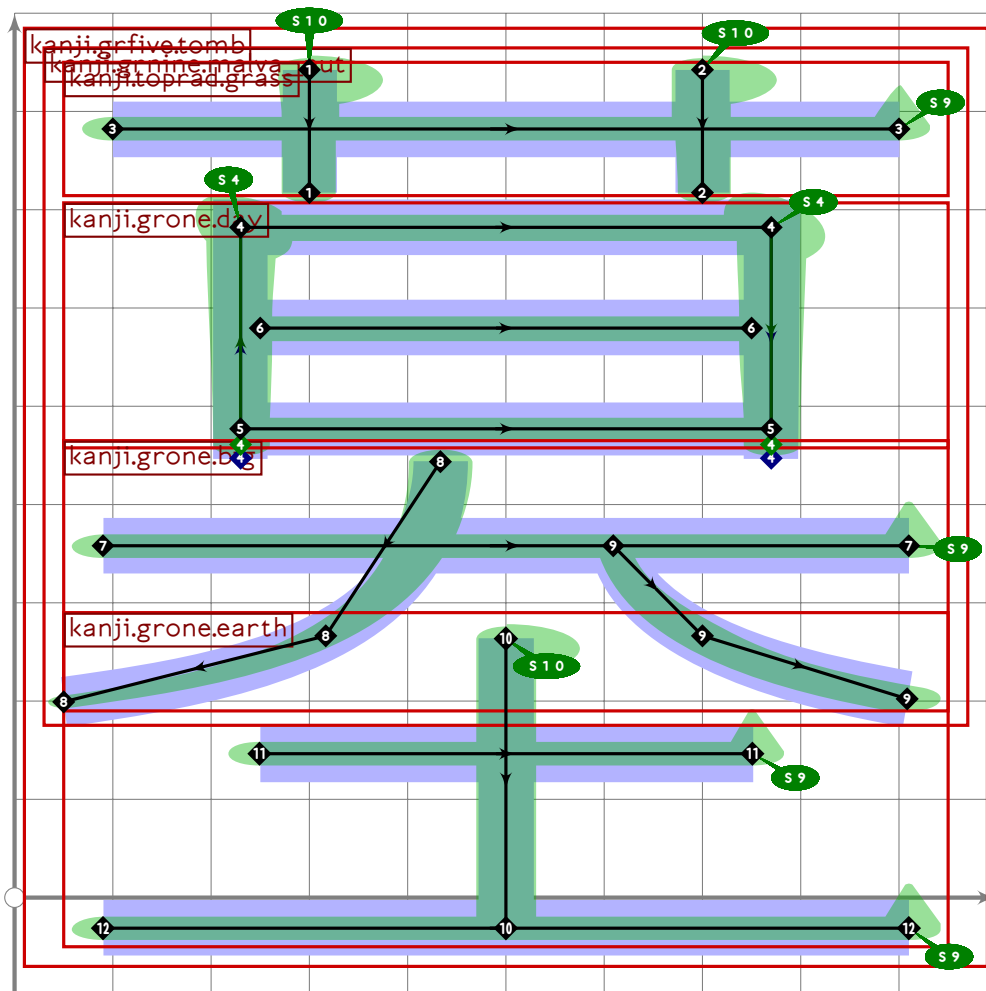
```



```

102
103 vardef kanji.grfive.report =
104   push_pbox_toexpand("kanji.grfive.report");
105   build_kanji.level(build_kanji.lr(520,0)
106     (kanji.grthree.blessing)
107     (kanji.rightrad.clothing));
108   expand_pbox;
109 enddef;

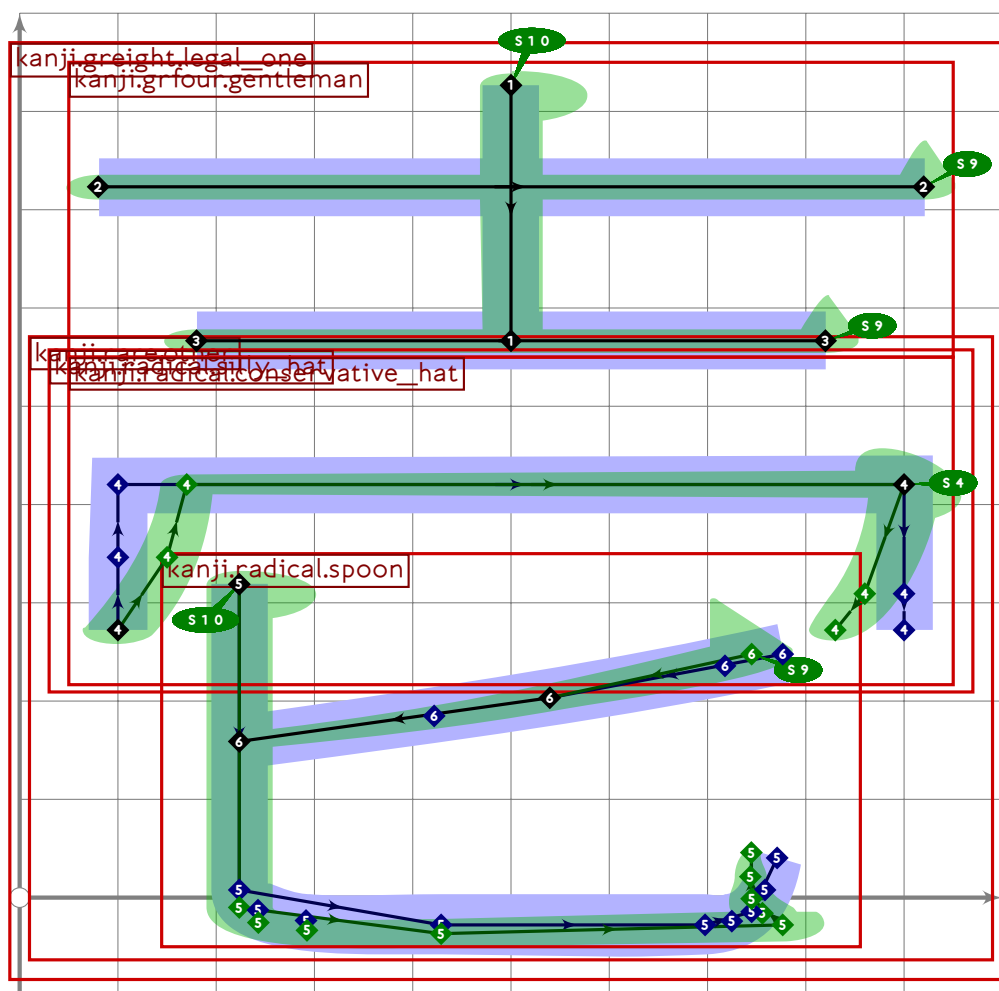
```

```

110
111 vardef kanji.grfive.tomb =
112   push_pbox_toexpand("kanji.grfive.tomb");
113   build_kanji.level(build_kanji.tb(240,100)
114     (build_kanji.spread_legs(150)(kanji.grnine.malva_nut))
115     (kanji.grone.earth;
116       replace_stroke(-1)(subpath (0,12,0,88) of oldp)));
117   expand_pbox;
118 enddef;
119
120

```



```

121
122 vardef kanji.greight.legal_one =
123   push_pbox_toexpand("kanji.greight.legal_one");
124   build_kanji.level(build_kanji.tb(550,0)
125     (kanji.grfour.gentleman)
126     (kanji.rare.other;
127       set_bosize(-3,0)));
128   expand_pbox;
129 enddef;

```

130

131

132

133 % dou "hall"

134 begintsuglyph("uni5802";2);

[see page 706]

135 kanji.grfour.hall;

136 tsu_render;

137 endtsuglyph;

138

139 % hou/muku "report"

140 begintsuglyph("uni5831";49);

[see page 2185]

141 kanji.grfive.report;

```

142  tsu_render;
143 endtsuglyph;
144
145 % shou/ba "place"
146 begintsuglyph("uni5834";52); [see page 2180]
147  kanji.grtwo.place;
148  tsu_render;
149 endtsuglyph;
150
151 % en/shio "salt"
152 begintsuglyph("uni5869";105); [see page 2182]
153  kanji.grfour.salt;
154  tsu_render;
155 endtsuglyph;
156
157 % kyou/sakai "boundary"
158 begintsuglyph("uni5883";131); [see page 2183]
159  kanji.grfive.boundary;
160  tsu_render;
161 endtsuglyph;
162
163 % zou/masu "increase"
164 begintsuglyph("uni5897";151); [see page 2184]
165  kanji.grfive.increase;
166  tsu_render;
167 endtsuglyph;
168
169 % bo/haka "tomb"
170 begintsuglyph("uni5893";147); [see page 2186]
171  kanji.grfive.tomb;
172  tsu_render;
173 endtsuglyph;
174
175 % shi "gentleman" ("samurai" radical)
176 begintsuglyph("uni58EB";235); [see page 700]
177  kanji.grfour.gentleman;
178  tsu_render;
179 endtsuglyph;
180
181 % jin/mizunoe "ninth"
182 begintsuglyph("uni58EC";236); [see page 968]
183  kanji.grnine.ninth;
184  tsu_render;
185 endtsuglyph;
186
187 % ichi/hitotsu "one" (formal, also first musical scale degree)
188 begintsuglyph("uni58F1";241); [see page 2187]
189  kanji.greight.legal_one;

```

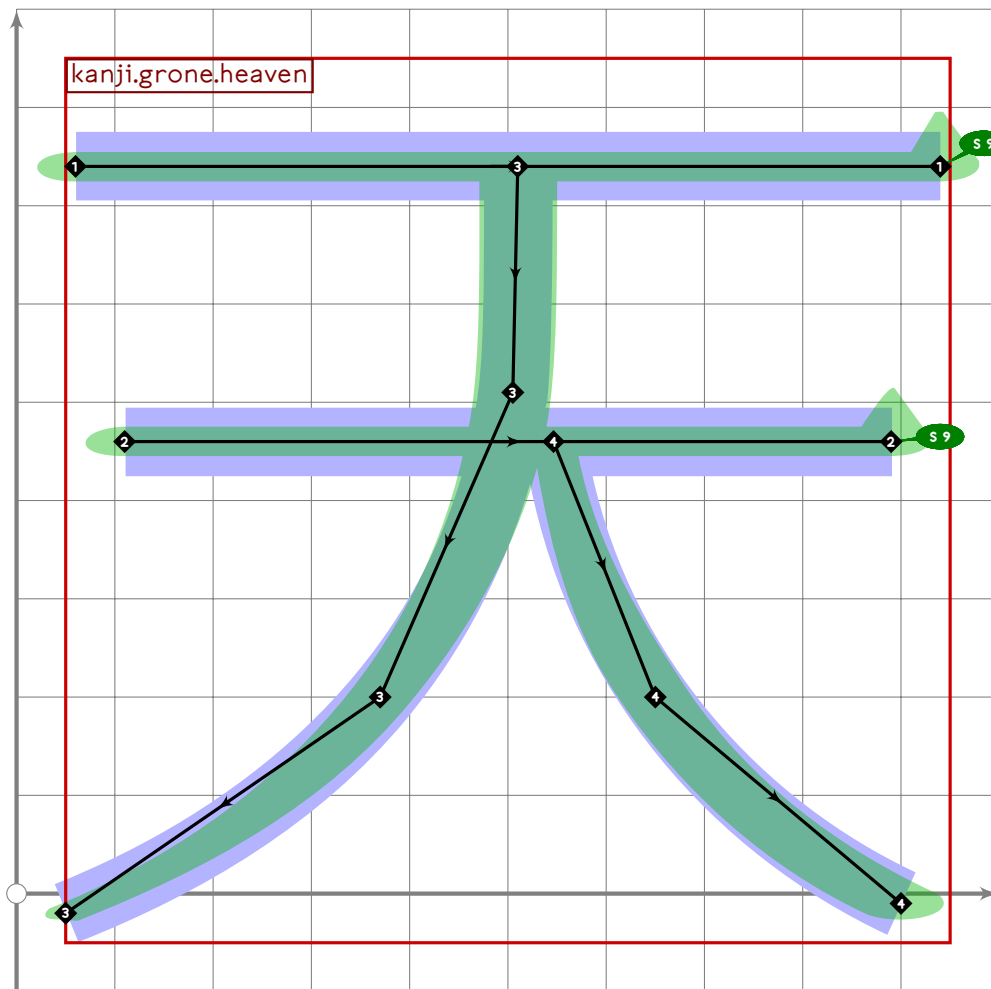
```

190  tsu_render;
191  endtsuglyph;
192
193  % sei/koe "voice"
194  begintsuglyph("uni58F0",240); [see page 2181]
195  kanji.grtwo.voice;
196  tsu_render;
197  endtsuglyph;
198
199  % bai/u "sell"
200  begintsuglyph("uni58F2",242); [see page 564]
201  kanji.grtwo.sell;
202  tsu_render;
203  endtsuglyph;
204
205  % needed for grfour.pleasure
206  begintsuglyph("uni58F4",244); [see page 874]
207  kanji.toprad.pleasure;
208  tsu_render;
209  endtsuglyph;
210
211  _____
212
213  endfont;
214
215  _____

```

tsuku-59.mp

```
1 %
2 % Unicode page 59 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 _____
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradenine.mp;
41 input gradeone.mp;
42 input gradethree.mp;
43 input gradetwo.mp;
44 input leftrad.mp;
45 input radical.mp;
46 input rare.mp;
47 input toprad.mp;
48
49 do_late_includes;
50
51 _____
```

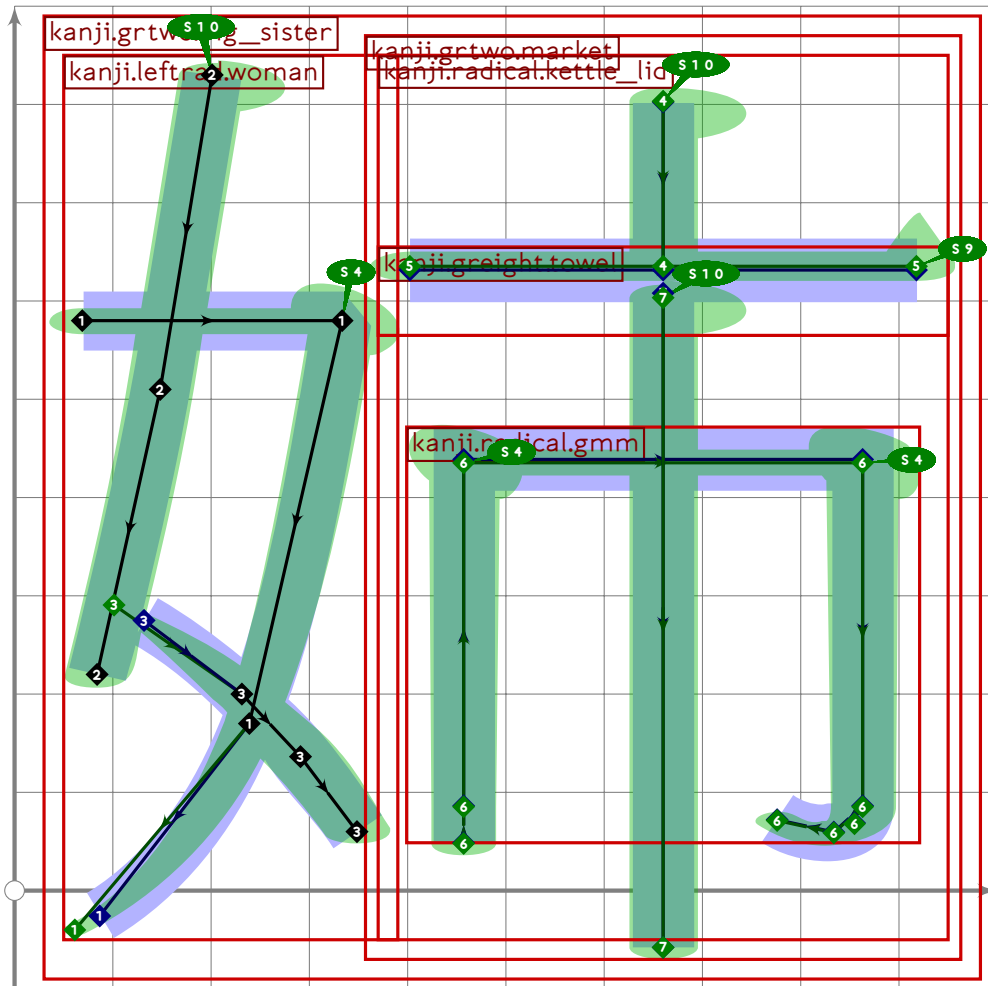


```

52
53 vardef kanji.grone.heaven =
54   push_pbox_toexpand("kanji.grone.heaven");
55   push_stroke((60,740)-(940,740),(1.6,1.6)-(1.6,1.6));
56   set_boserif(0,1,9);
57   push_stroke((110,460)-(890,460),(1.6,1.6)-(1.6,1.6));
58   set_boserif(0,1,9);
59   push_stroke((510,740){down}..(505,510)..(370,200)..{curl 0.5}{50;-20},
60     (1.6,1.6)-(1.6,1.6)-(1.4,1.4)-(1.1,1.1));
61   push_stroke(((get_stroke(-1) intersectionpoint get_stroke(0))+(50,0))..
62     (650,200)..(900,-10),
63     (1.1,1.1)-(1.5,1.5)-(1.7,1.7));
64   expand_pbox;
65 enddef;
66
67

```

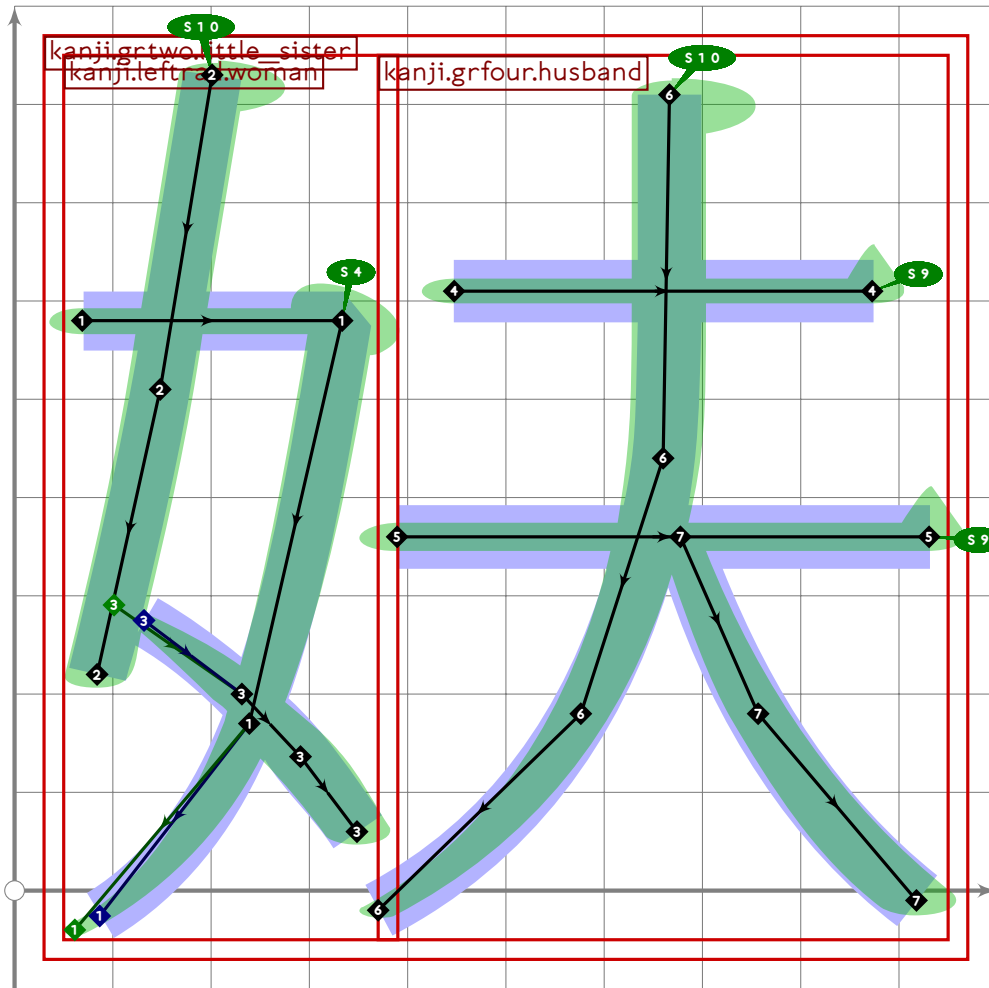
U+59C9
tsuku.uni59C9



```

68
69 vardef kanji.grtwo.big_sister =
70   push_pbox_toexpand("kanji.grtwo.big_sister");
71   build_kanji.lr(380,20)
72     (kanji.leftrad.woman)
73     (kanji.grtwo.market);
74   expand_pbox;
75 enddef;

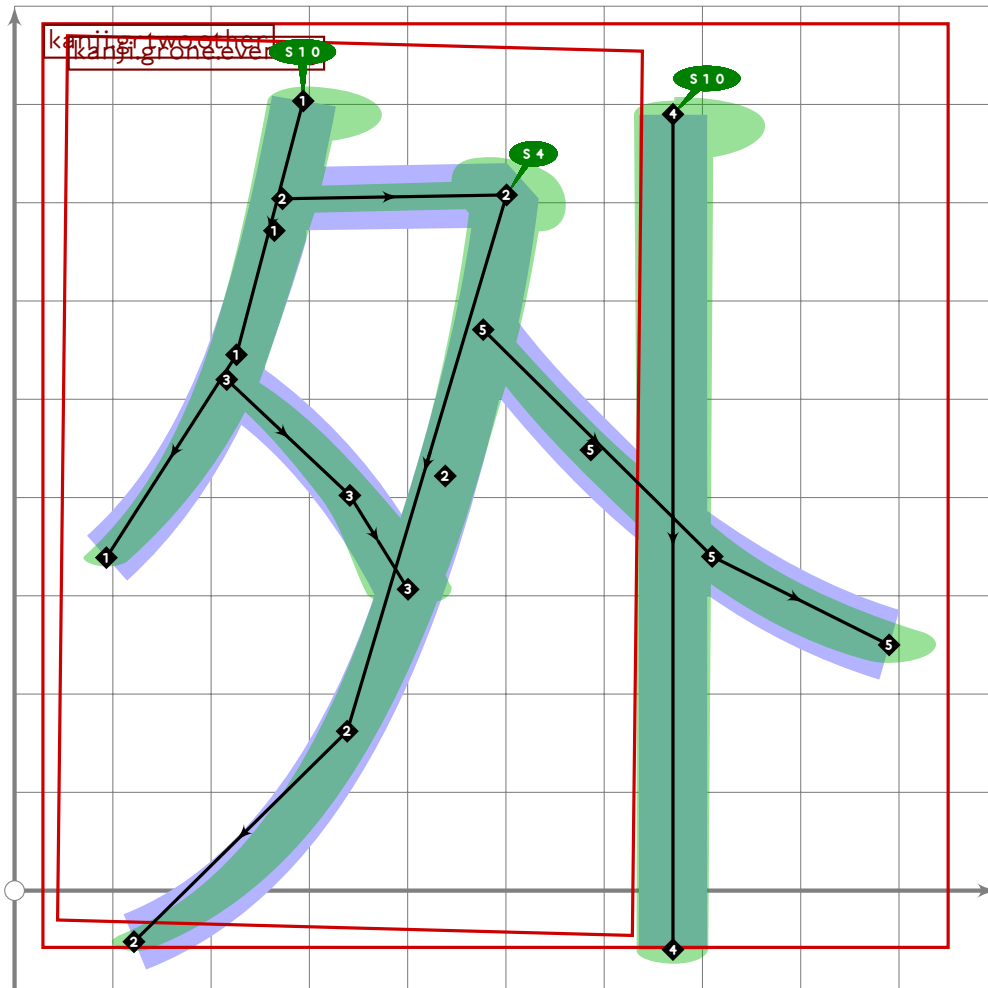
```



```

76
77 vardef kanji.grtwo.little_sister =
78   push_pbox_toexpand("kanji.grtwo.little_sister");
79   build_kanji.lr(380,20)
80     (kanji.leftrad.woman)
81     (kanji.grfour.husband);
82   expand_pbox;
83 enddef;

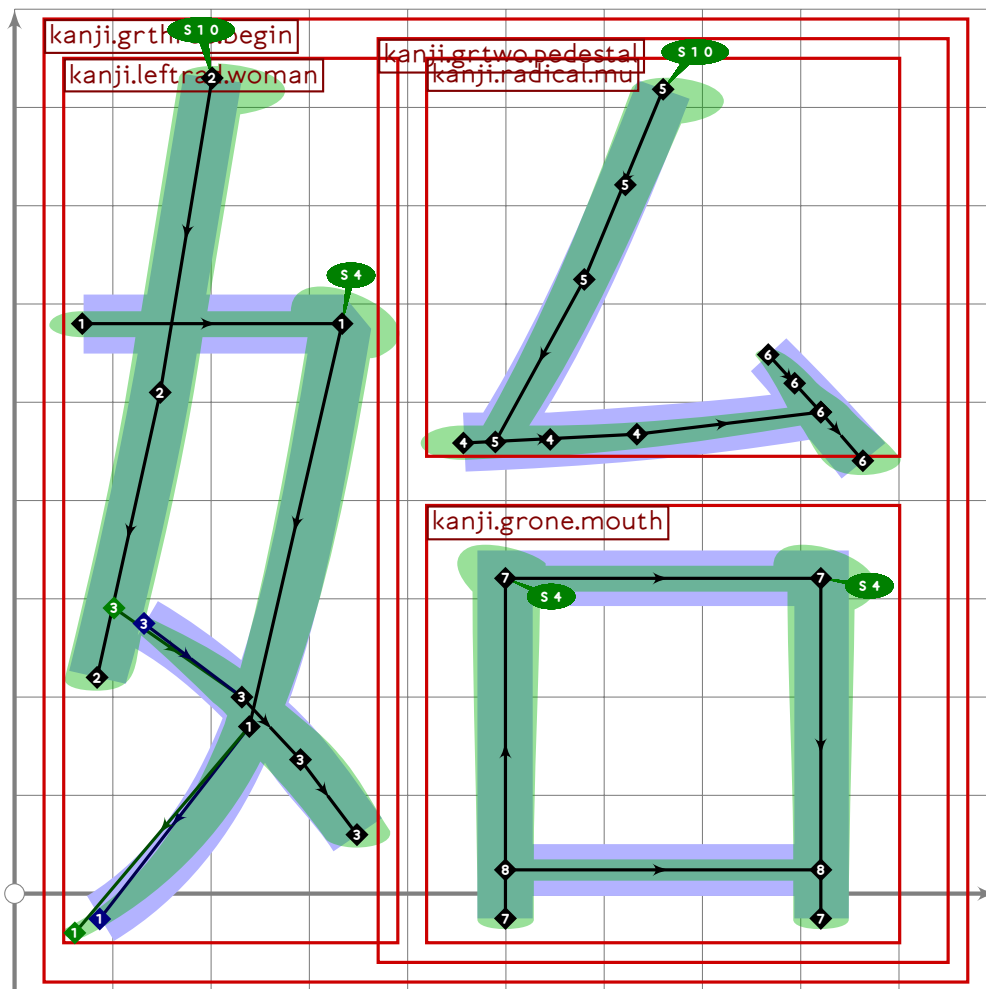
```

```

84
85 vardef kanji.grtwo.other =
86   push_pbox_toexpand("kanji.grtwo.other");
87   tsu_xform(identity shifted (-50,-500) rotated -1 xscaled 0.65
88     shifted (50,520))
89     (kanji.grone.evening);
90   push_stroke((670,790)..(670,-60),
91     (1.6,1.6)-(1.5,1.5));
92   set_boserif(0,0,10);
93   push_stroke(
94     (point 1.25 of get_stroke(-2)).tension 1.2..(710,340)..(890,250),
95     (1.1,1.1)-(1.5,1.5)-(1.8,1.8));
96   expand_pbox;
97 enddef;
98
99

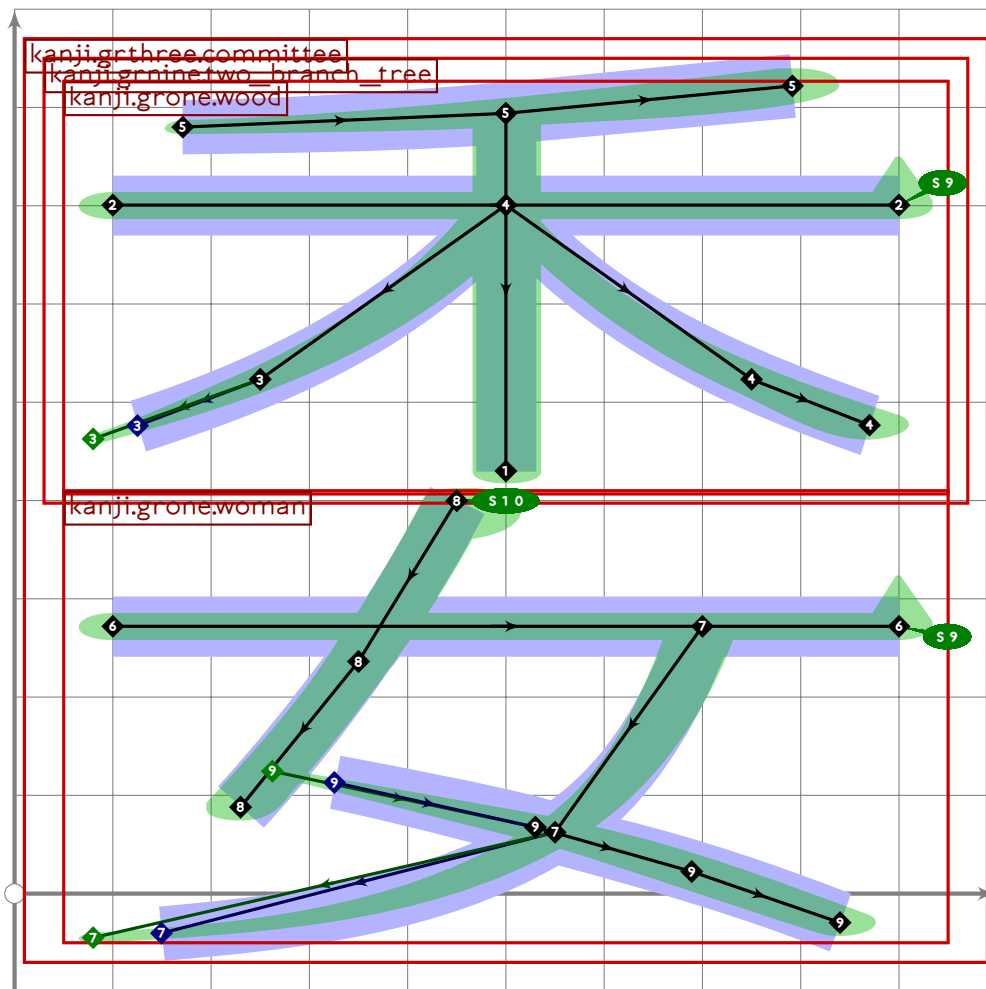
```



```

100
101 vardef kanji.grthree.begin =
102   push_pbox_toexpand("kanji.grthree.begin");
103   build_kanji.lr(380,20)
104     (kanji.leftrad.woman)
105     (kanji.grtwo.pedestal);
106   expand_pbox;
107 enddef;

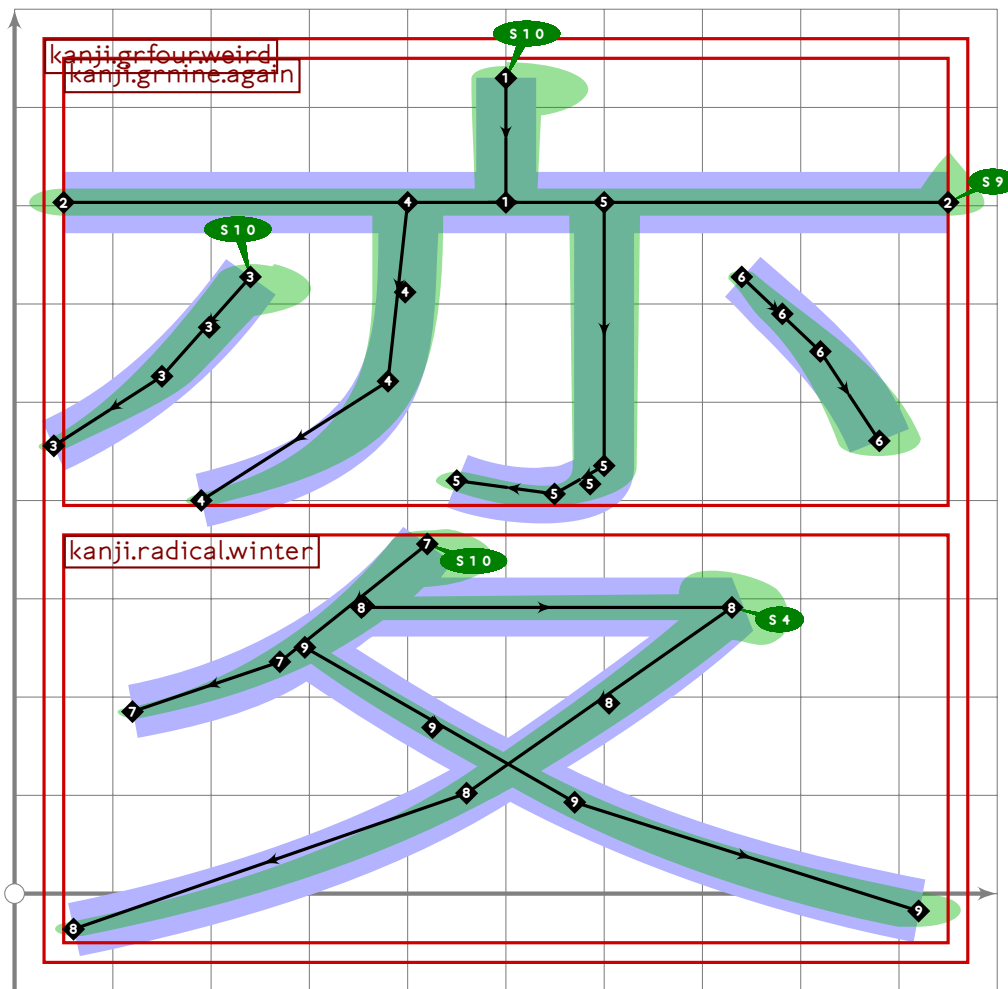
```



```

108
109 vardef kanji.grthree.committee =
110   push_pbox_toexpand("kanji.grthree.committee");
111   build_kanji.tb(420,-20)
112     (kanji.grnine.two_branch_tree)
113     (kanji.grone.woman);
114   expand_pbox;
115 enddef;
116
117

```



```

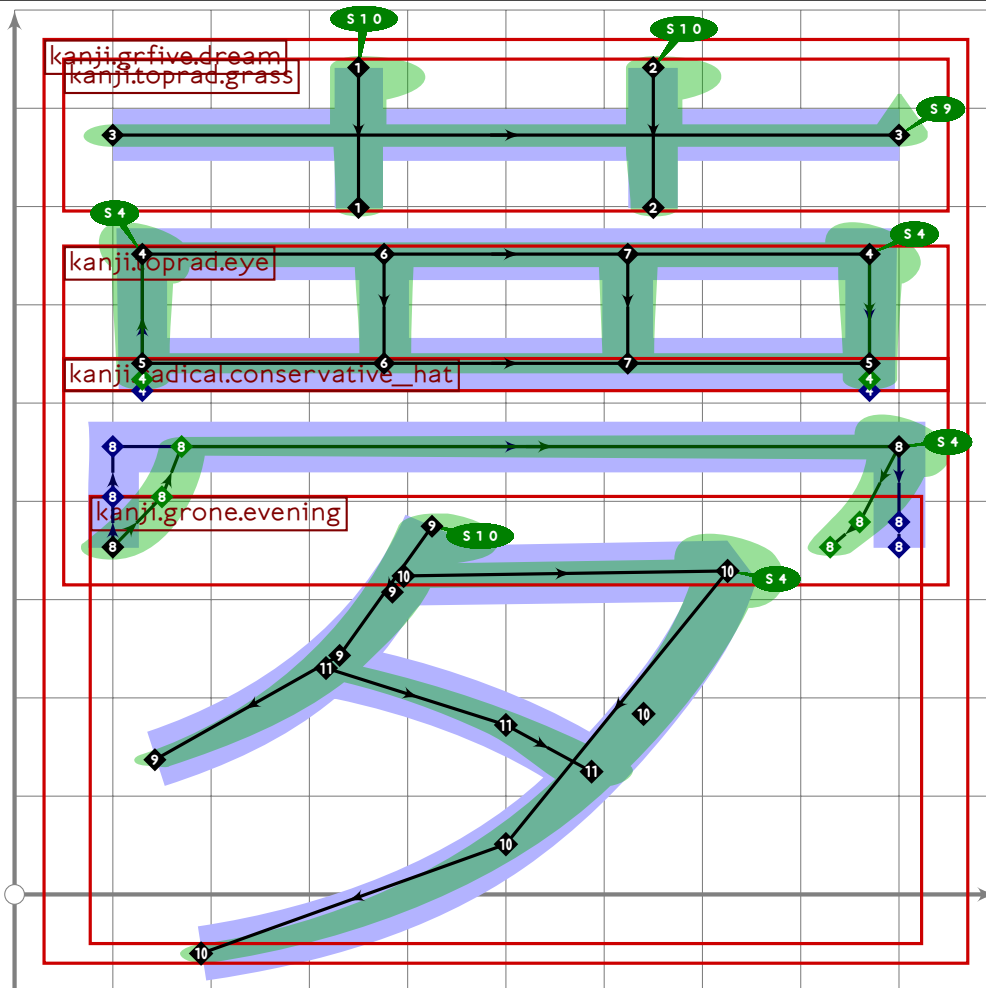
118
119 vardef kanji.grfour.weird =
120   push_pbox_toexpand("kanji.grfour.weird");
121   build_kanji.level(build_kanji.tb(380;30)
122     (kanji.grnine.again)
123     (kanji.radical.winter));
124   expand_pbox;
125 enddef;
126
127
128
129 vardef kanji.grfive_helper.wife =
130   push_pbox_toexpand("kanji.grfive_helper.wife");
131   push_stroke((500,810)–(500,60),(1.6,1.6)–(1.5,1.5));
132   set_boserif(0,0,10);
133   tsu_xform(identity yscaled 0.58 shifted (0,20))
134     (kanji.radical.pigs_snout);
135   push_stroke((140,660)–(870,660),
136     (1.6,1.6)–(1.6,1.6));
137   set_boserif(0,1,9);
138   replace_stroke(-4)((point 0 of oldp)–

```

```

139 (oldp intersectionpoint get_strokep(-1)));
140 for i=-4 upto 0: set_bosize(i,85); endfor;
141 expand_pbox;
142 enddef;
143
144

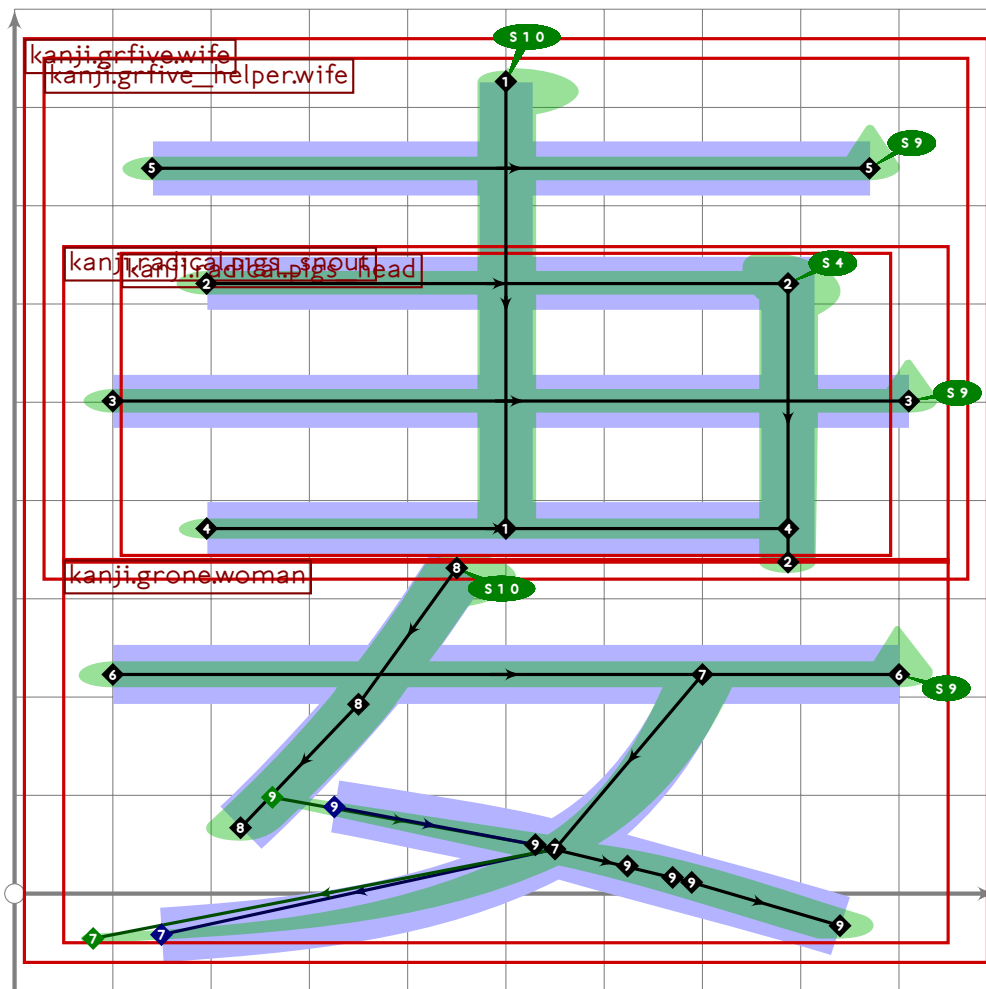
```



```

145
146 vardef kanji.grfive.dream =
147   push_pbox_toexpand("kanji.grfive.dream");
148   build_kanji.tb(360,90)
149     (build_kanji.level(build_kanji.tcb(560,-60)(310,55)
150       (kanji.toprad.grass)
151       (kanji.toprad.eye)
152       (kanji.radical.conservative_hat)))
153     (build_kanji.sscale(xscaled 0.94)(kanji.grone.evening));
154   expand_pbox;
155 enddef;

```



```

156
157 vardef kanji.grfive.wife =
158   push_pbox_toexpand("kanji.grfive.wife");
159   build_kanji.tb(330,20)
160     (kanji.grfive_helper.wife)
161     (kanji.grone.woman);
162   expand_pbox;
163 enddef;
164
165
166
167 % chi/shuu "winter radical"
168 beginsuglyph("uni5902";2);
169   kanji.radical.winter;
170   tsu_render;
171 endtsuglyph;
172
173 % hen/ka "weird"
174 beginsuglyph("uni5909";9);
175   kanji.grfour.weird;
176   tsu_render;

```

[see page 862]

[see page 2197]

```

177 endtsuglyph;
178
179 % ka/natsu "summer"
180 begintsuglyph("uni590F";15); [see page 574]
181   kanji.grtwo.summer;
182   tsu_render;
183 endtsuglyph;
184
185 % yuu/seki "evening"
186 begintsuglyph("uni5915";21); [see page 436]
187   kanji.grone.evening;
188   tsu_render;
189 endtsuglyph;
190
191 % gai/hoka "except"
192 begintsuglyph("uni5916";22); [see page 2194]
193   kanji.grtwo.other;
194   tsu_render;
195 endtsuglyph;
196
197 % ta/oo "many"
198 begintsuglyph("uni591A";26); [see page 539]
199   kanji.grtwo.many;
200   tsu_render;
201 endtsuglyph;
202
203 % ya/yoru "evening"
204 begintsuglyph("uni591C";28); [see page 513]
205   kanji.grtwo.evening;
206   tsu_render;
207 endtsuglyph;
208
209 % mu/yume "dream"
210 begintsuglyph("uni5922";34); [see page 2198]
211   kanji.grfive.dream;
212   tsu_render;
213 endtsuglyph;
214
215 % dai/oo "big"
216 begintsuglyph("uni5927";39); [see page 422]
217   kanji.grone.big;
218   tsu_render;
219 endtsuglyph;
220
221 % ten "heaven"
222 begintsuglyph("uni5929";41); [see page 2191]
223   kanji.grone.heaven;
224   tsu_render;

```

225 endtsuglyph;
 226
 227 % tai/futo "thick"
 228 begintsuglyph("uni592A";42); [see page 577]
 229 kanji.grtwo.thick;
 230 tsu_render;
 231 endtsuglyph;
 232
 233 % fu/otto "husband"
 234 begintsuglyph("uni592B";43); [see page 709]
 235 kanji.grfour.husband;
 236 tsu_render;
 237 endtsuglyph;
 238
 239 % rare, but needed to build more common glyphs
 240 begintsuglyph("uni592C";44); [see page 1004]
 241 kanji.rare.decide;
 242 tsu_render;
 243 endtsuglyph;
 244
 245 % rare, but needed to build more common glyphs
 246 begintsuglyph("uni592D";45); [see page 1011]
 247 kanji.rare.early_death;
 248 tsu_render;
 249 endtsuglyph;
 250
 251 % ou "centre"
 252 begintsuglyph("uni592E";46); [see page 602]
 253 kanji.grthree.centre;
 254 tsu_render;
 255 endtsuglyph;
 256
 257 % shitsu/ushina "disappear"
 258 begintsuglyph("uni5931";49); [see page 688]
 259 kanji.grfour.disappear;
 260 tsu_render;
 261 endtsuglyph;
 262
 263 % en/oo "suffocate"
 264 begintsuglyph("uni5944";68); [see page 977]
 265 kanji.grnine.suffocate;
 266 tsu_render;
 267 endtsuglyph;
 268
 269 % ki/ku "strange"
 270 begintsuglyph("uni5947";71); [see page 929]
 271 kanji.greight.strange;
 272 tsu_render;

273 endtsuglyph;
 274
 275 % jo/onna "woman"
 276 begintsuglyph("uni5973";115); [see page 488]
 277 kanji.grone.woman;
 278 tsu_render;
 279 endtsuglyph;
 280
 281 % me/yatsu "guy"
 282 begintsuglyph("uni5974";116); [see page 904]
 283 kanji.greight.guy;
 284 tsu_render;
 285 endtsuglyph;
 286
 287 % kou/su "fancy" (British sense)
 288 begintsuglyph("uni597D";125); [see page 695]
 289 kanji.grfour.fancy;
 290 tsu_render;
 291 endtsuglyph;
 292
 293 % da/yasu "compromise"
 294 begintsuglyph("uni59A5";165); [see page 887]
 295 kanji.greight.compromise;
 296 tsu_render;
 297 endtsuglyph;
 298
 299 % mai/imouto "younger sister"
 300 begintsuglyph("uni59B9";185); [see page 2193]
 301 kanji.grtwo.little_sister;
 302 tsu_render;
 303 endtsuglyph;
 304
 305 % sai/suma "wife"
 306 begintsuglyph("uni59BB";187); [see page 2199]
 307 kanji.grfive.wife;
 308 tsu_render;
 309 endtsuglyph;
 310
 311 % shou/mekake "concubine"
 312 begintsuglyph("uni59BE";190); [see page 1001]
 313 kanji.rare.concubine;
 314 tsu_render;
 315 endtsuglyph;
 316
 317 % nee as in onesan "elder sister"
 318 begintsuglyph("uni59C9";201); [see page 2192]
 319 kanji.grtwo.big_sister;
 320 tsu_render;

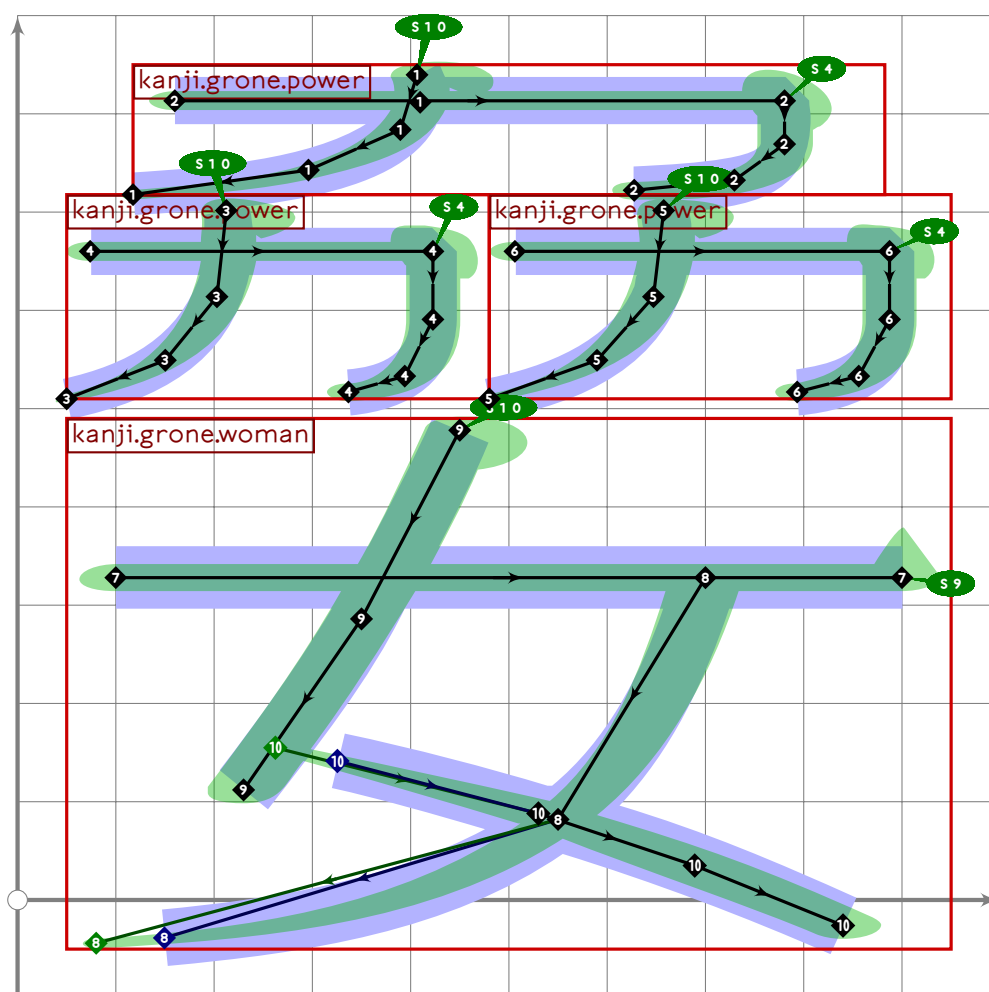
```

321 endtsuglyph;
322
323 % shi/haji "begin"
324 begintsuglyph("uni59CB";203);
325   kanji.grthree.begin;
326   tsu_render;
327 endtsuglyph;
328
329 % i/yuda "committee"
330 begintsuglyph("uni59D4";212);
331   kanji.grthree.committee;
332   tsu_render;
333 endtsuglyph;
334

```

[see page 2195]

[see page 2196]



```

335 % extra
336 begintsuglyph("uni59ED";237);
337   build_kanji.tb(500;-20)
338     (build_kanji.triclust(0.85)
339       (kanji.grone.power)
340       (kanji.grone.power)
341       (kanji.grone.power))

```

```
342     (kanji.grone.woman);  
343     tsu_render;  
344 endtsuglyph;  
345  
346 _____  
347  
348 endfont;  
349  
350 _____
```

tsuku-5a.mp

```
1 %
2 % Unicode page 5A (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2014 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

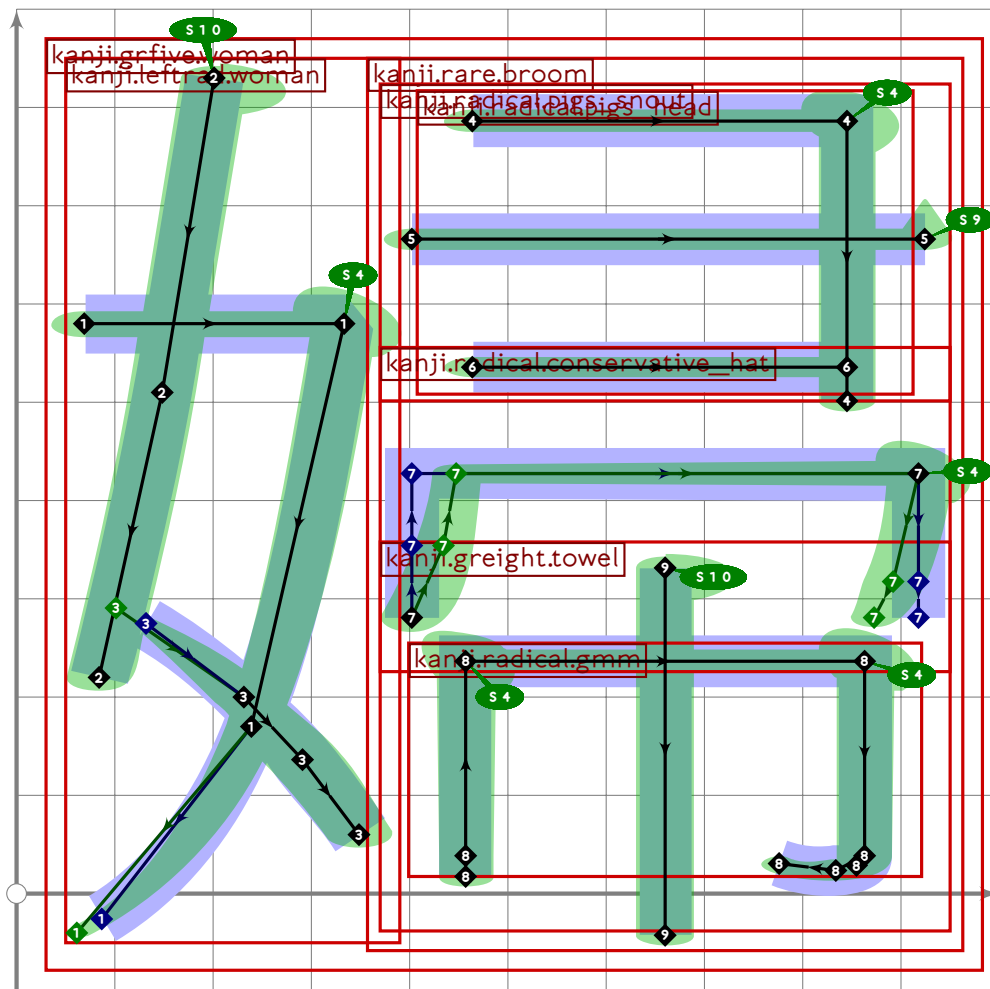
---


32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefour.mp;
39 input gradeone.mp;
40 input gradetwo.mp;
41 input leftrad.mp;
42 input radical.mp;
43 input rare.mp;
44 input toprad.mp;
45
46 do_late_includes;
47
48 

---


```

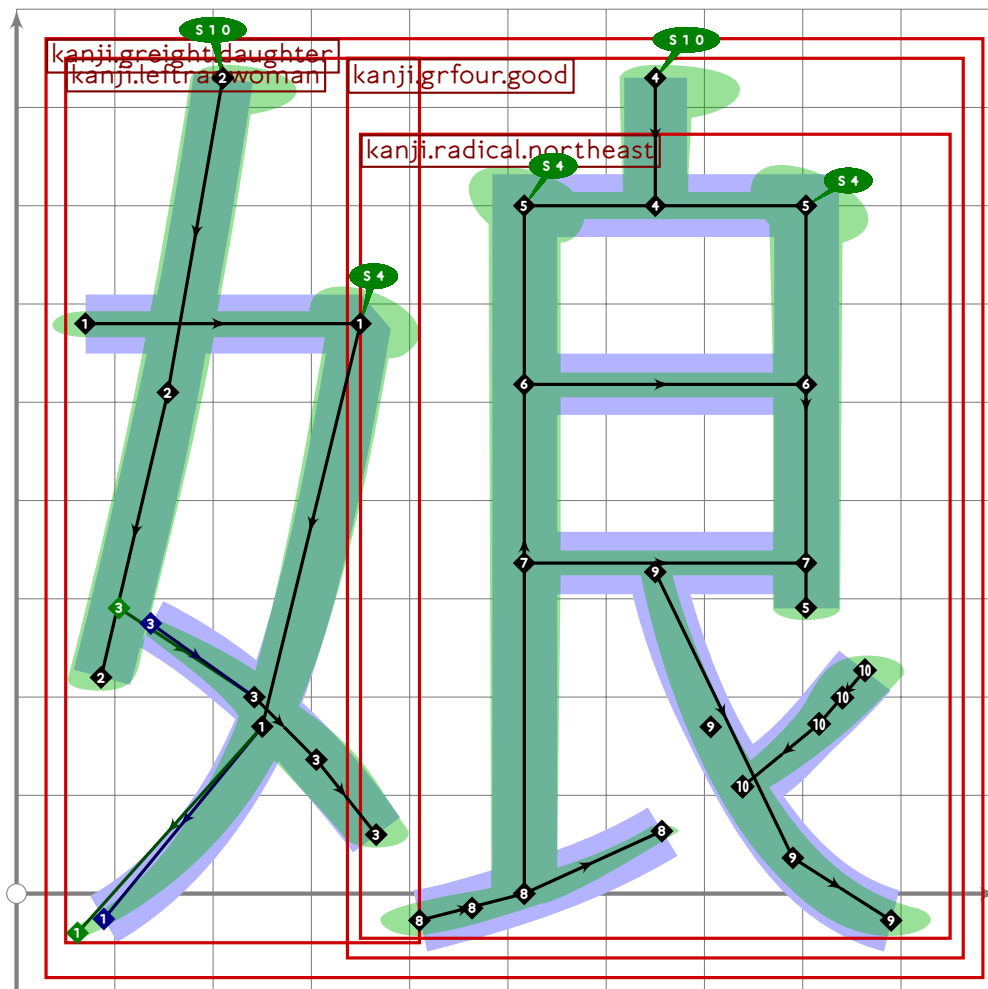
U+5A66
tsuku.uni5A66



```

49
50 vardef kanji.grfive.woman =
51   push_pbox_toexpand("kanji.grfive.woman");
52   build_kanji.lr(380,20)
53     (kanji.leftrad.woman)
54     (kanji.rare.broom);
55   expand_pbox;
56 enddef;
57
58

```

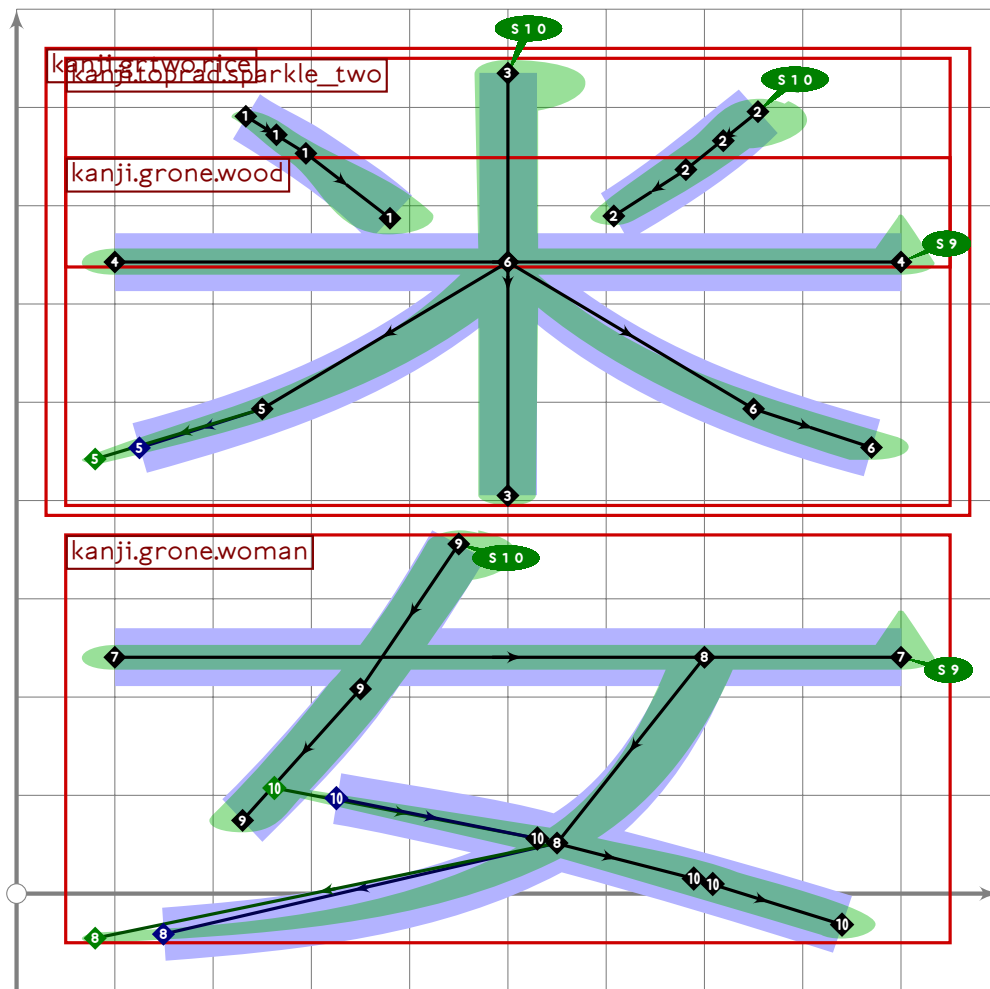


```

59
60 vardef kanji.greight.daughter =
61   push_pbox_toexpand("kanji.greight.daughter");
62   build_kanji.lr(380,60)
63     (kanji.leftrad.woman)
64     (kanji.grfour.good);
65   expand_pbox;
66 enddef;
67
68
69

```

U+5A04
tsuku.uni5A04



```

70 % extra
71 begintsuglyph("uni5A04";4);
72   build_kanji.level(build_kanji.tb(380,30)
73     (kanji.grtwo.rice)
74     (kanji.grone.woman));
75   tsu_render;
76 endtsuglyph;
77
78 % chi/shuu "winter radical"
79 begintsuglyph("uni5A18";24);
80   kanji.greight.daughter;
81   tsu_render;
82 endtsuglyph;
83
84 % fu/yome "woman"
85 begintsuglyph("uni5A66";102);
86   kanji.grfive.woman;
87   tsu_render;
88 endtsuglyph;
89
90
```

[see page 2207]

[see page 2206]

91

92 endfont;

93

94

tsuku-5b.mp

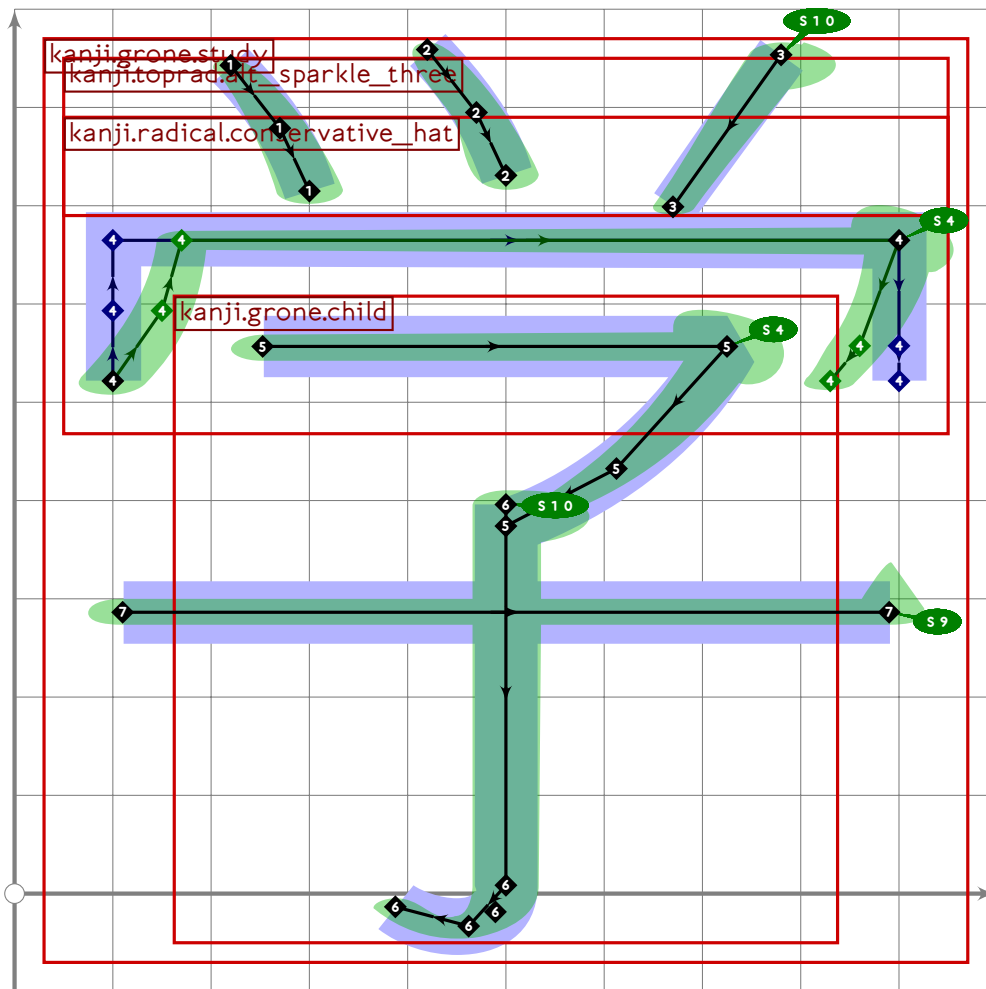
```
1 %
2 % Unicode page 5B (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49 input toprad.mp;
50
51 do_late_includes;
52
53 

---


```

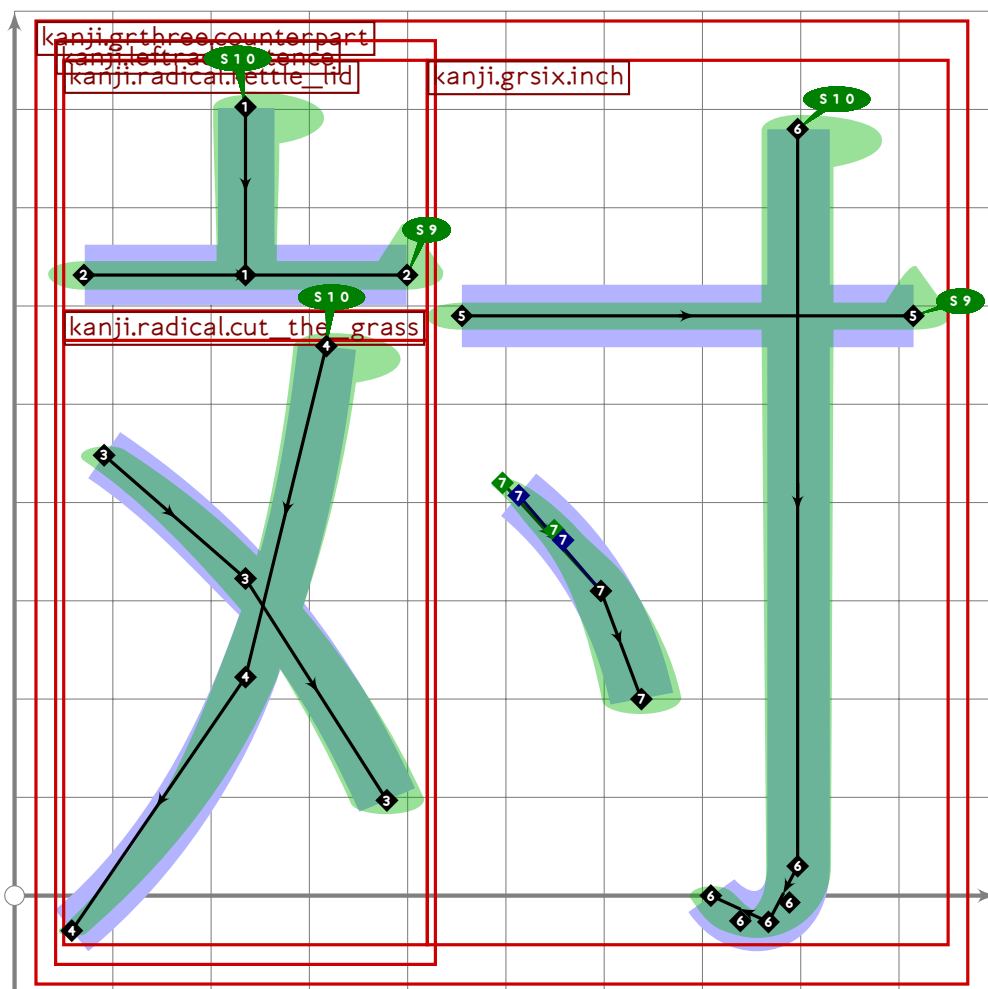


```

54
55 vardef kanji.grone.study =
56   push_pbox_toexpand("kanji.grone.study");
57   begingroup
58     save saved_path;
59     path saved_path;
60     build_kanji.tb(740,100)
61       (kanji.toprad.alt_sparkle_three)
62       (build_kanji.tb(580,150)
63         (kanji.radical.conservative_hat)
64         (build_kanji.sscale(xscaled 0.75)
65           (kanji.grone.child;saved_path:=get_stroke(0));
66           replace_stroke(0)(saved_path)));
67   endgroup;
68   expand_pbox;
69 enddef;
70
71

```

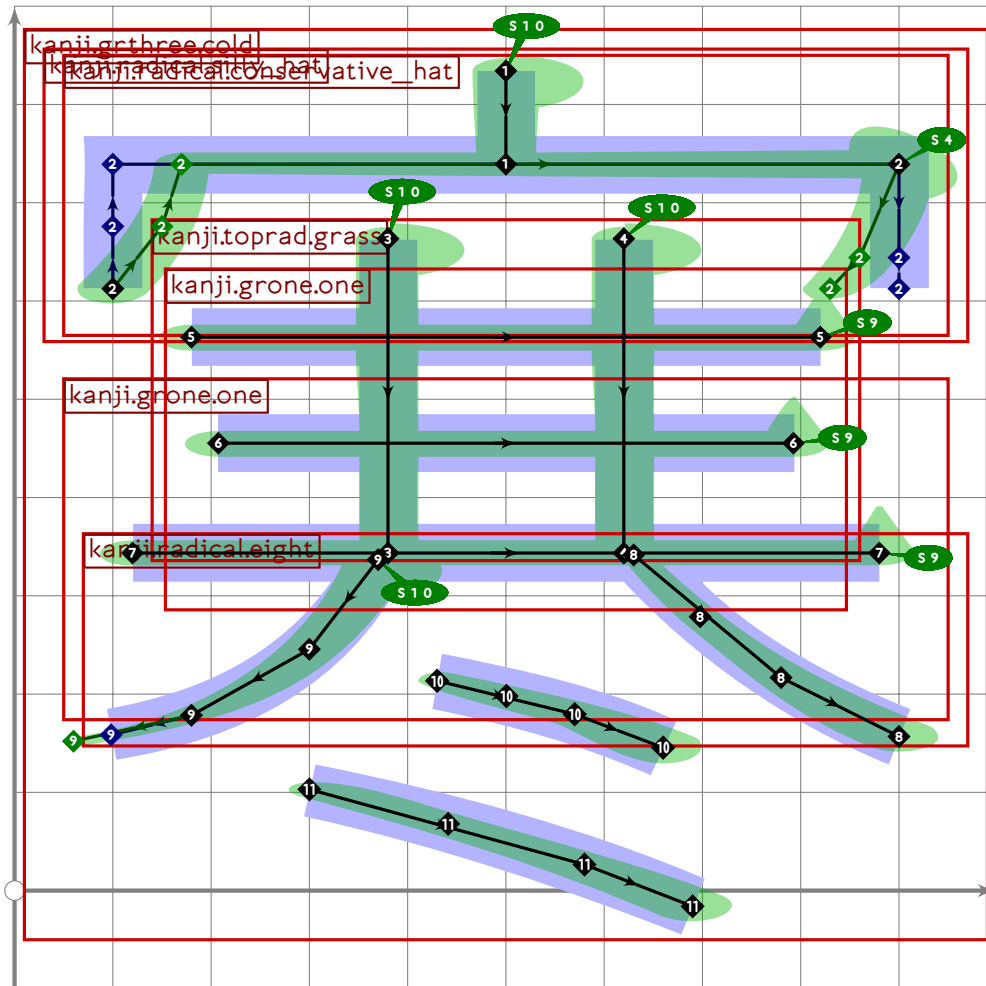
U+5BFE
tsuku.uni5BFE



```

72
73 vardef kanji.grthree.counterpart =
74   push_pbox_toexpand("kanji.grthree.counterpart");
75   build_kanji.lr(420,0)
76     (kanji.leftrad.sentence)
77     (kanji.grsix.inch);
78   expand_pbox;
79 enddef;

```

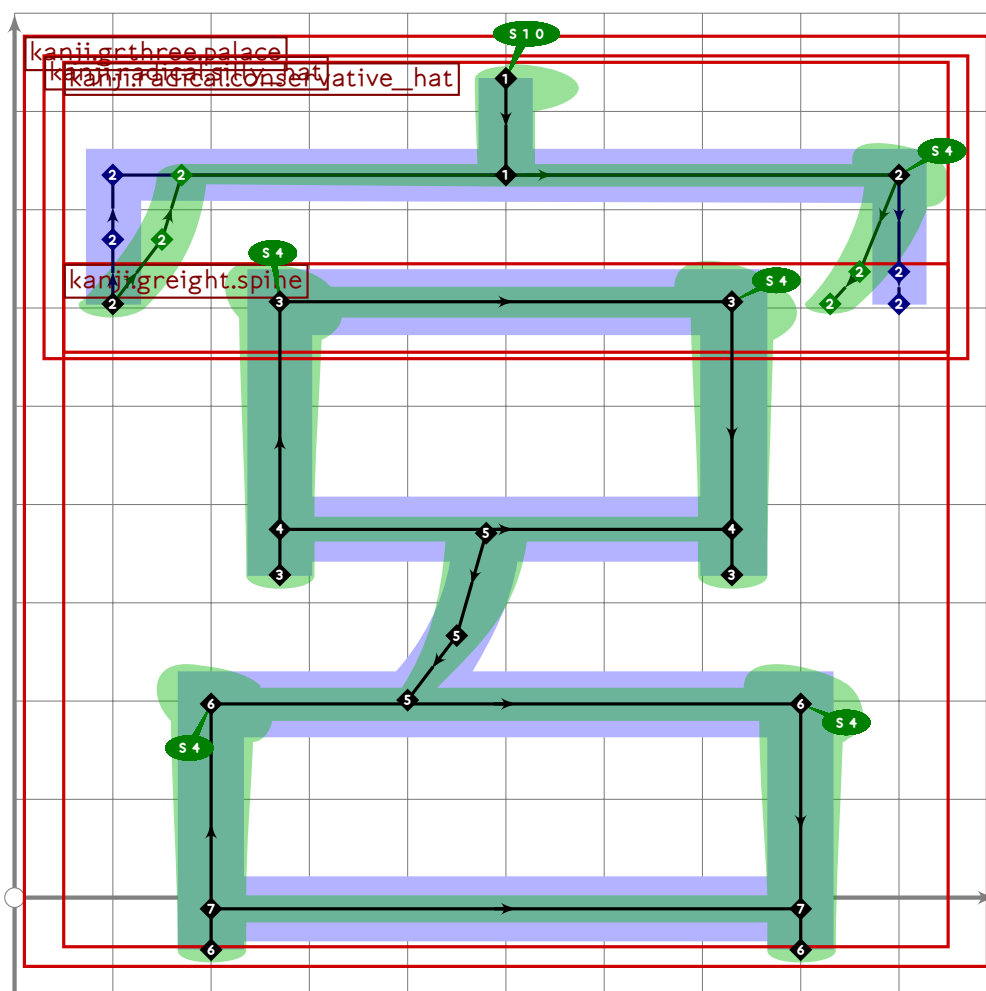


```

80
81 vardef kanji.grthree.cold =
82   push_pbox_toexpand("kanji.grthree.cold");
83   build_kanji.level(build_kanji.tb(640,150)
84     (kanji.radical.silly_hat)
85     (build_kanji.sscale(yscaled 0.7 shifted (0,100))
86       (build_kanji.tb(290,46)
87         (build_kanji.sscale(xscaled 0.8)(kanji.toprad.grass);
88           replace_stroke(0)(oldp shifted (0,140));
89           build_kanji.sscale(xscaled 0.77 shifted (0,-130))(kanji.grone.one);
90           tsu_xform(identity shifted (0,-420))(kanji.grone.one))
91           (tsu_xform(identity shifted (20,0))(kanji.radical.eight)));
92   push_stroke((430,260)..tension 1.2..(570,220)..(660,180),
93     (1.2,1.2)-(1.5,1.5)-(1.8,1.8));
94   push_stroke((300,130)..tension 1.2..(580,40)..(690,-10),
95     (1.2,1.2)-(1.5,1.5)-(1.8,1.8)));
96   expand_pbox;
97 enddef;

```

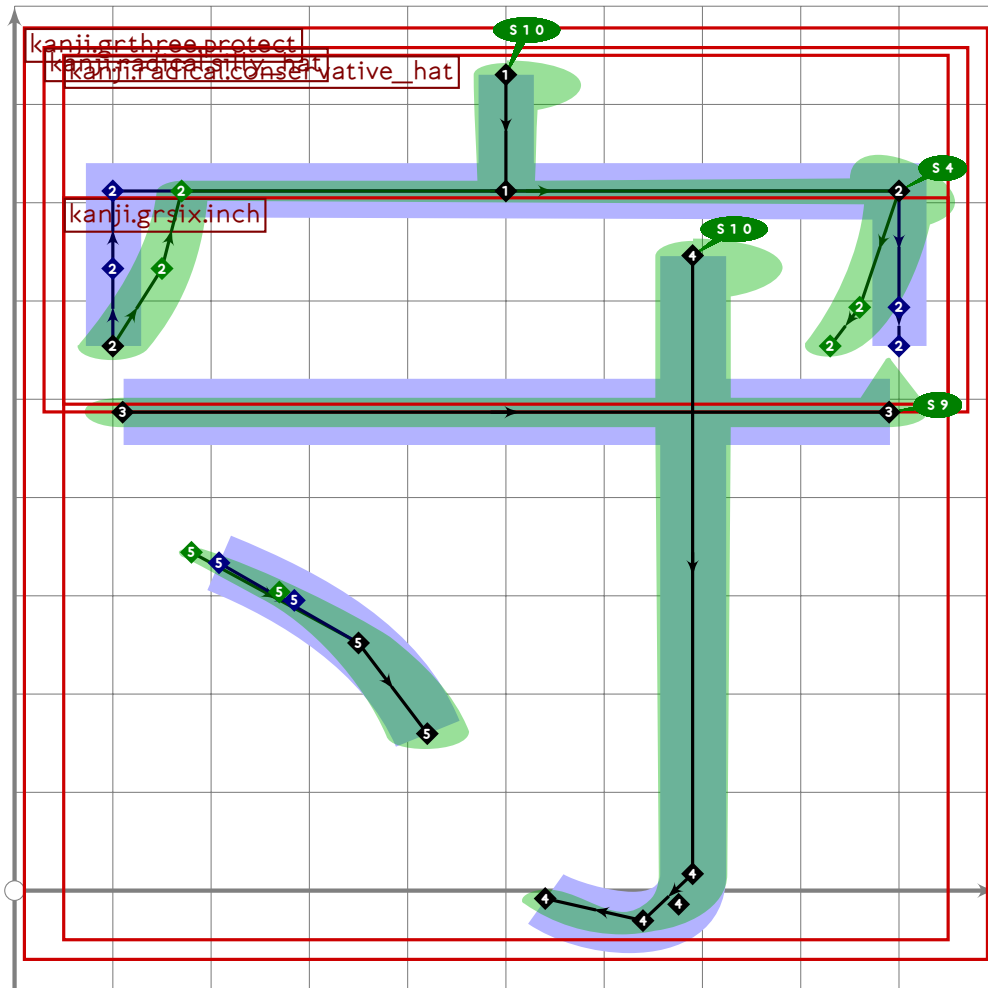
U+5BAE
tsuku.uni5BAE



```

98
99 vardef kanji.grthree.palace =
100   push_pbox_toexpand("kanji.grthree.palace");
101   build_kanji.tb(600,90)
102     (kanji.radical.silly_hat)
103     (kanji.greight.spine);
104   expand_pbox;
105 enddef;

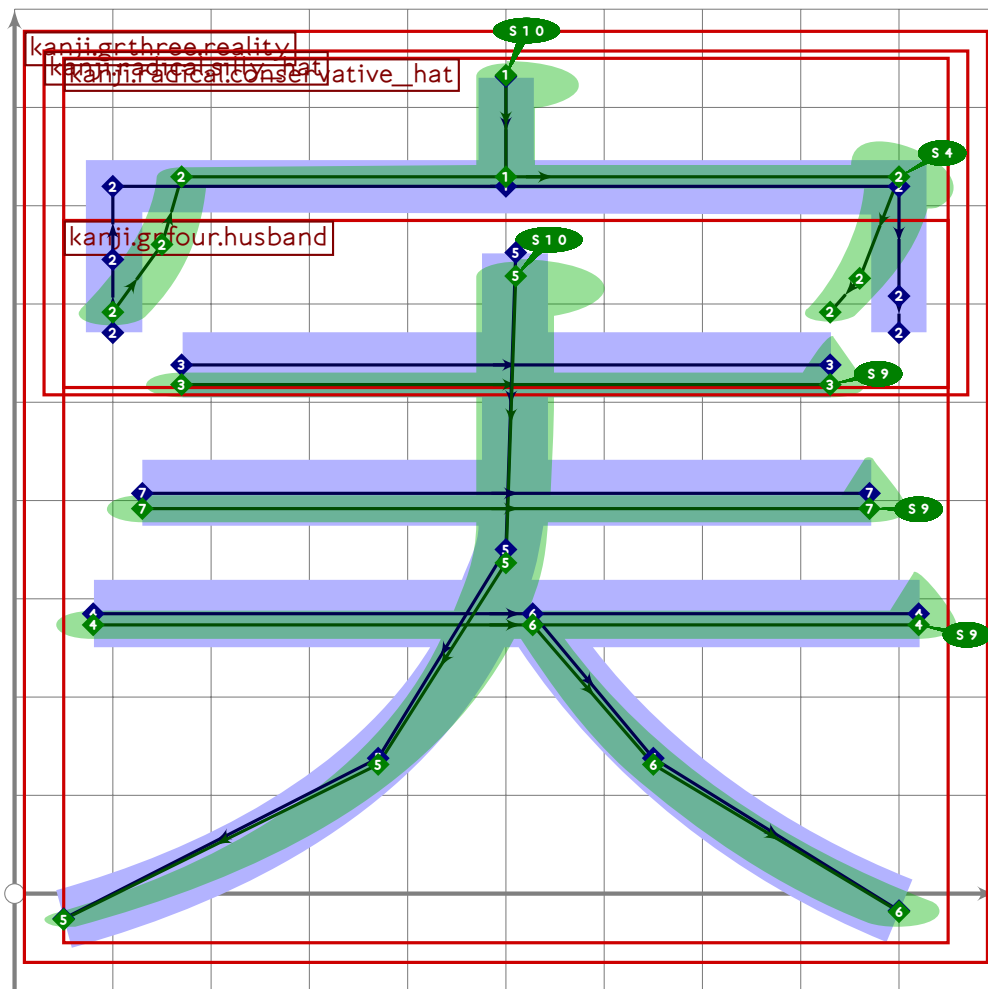
```



```

106
107 vardef kanji.grthree.protect =
108   push_pbox_toexpand("kanji.grthree.protect");
109   build_kanji.tb(600,210)
110     (kanji.radical.silly_hat)
111     (kanji.grsix.inch);
112   expand_pbox;
113 enddef;

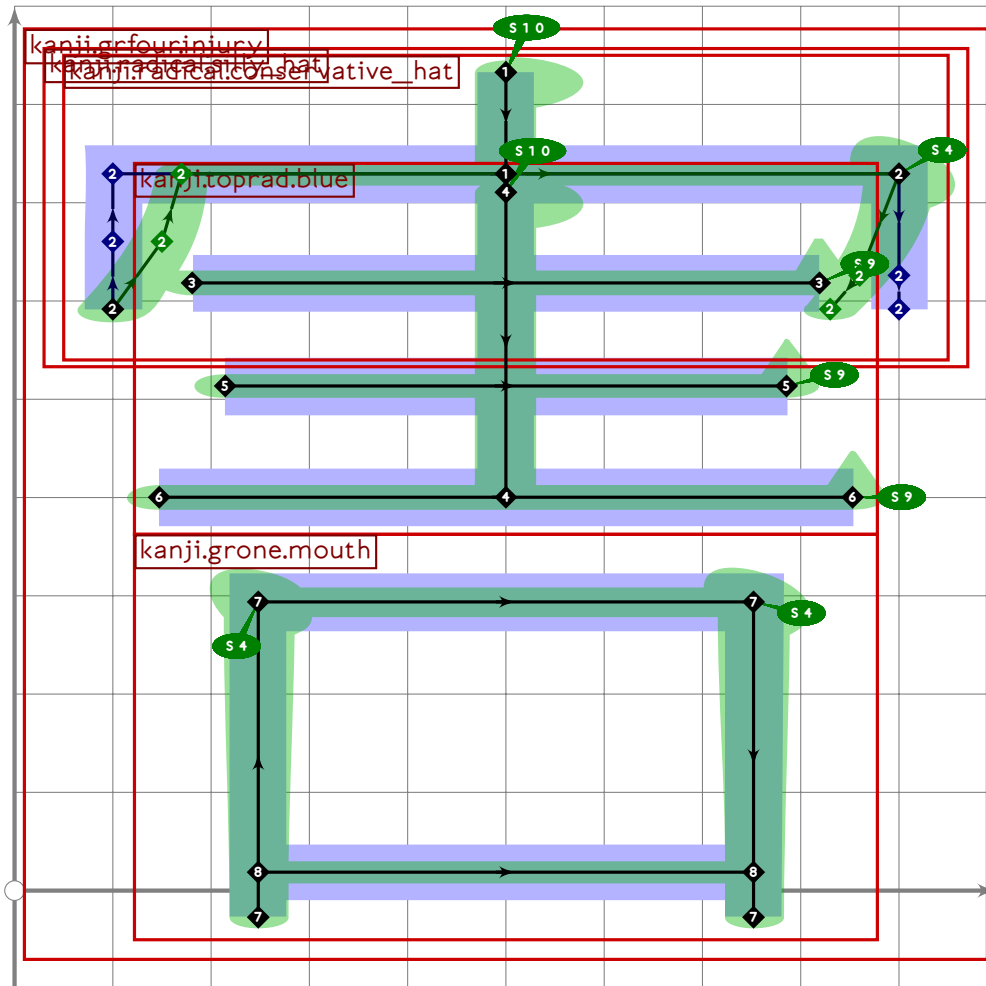
```



```

114
115 vardef kanji.grthree.reality =
116   push_pbox_toexpand("kanji.grthree.reality");
117   build_kanji.tb(600,170-50*mincho)
118     (kanji.radical.silly_hat)
119     (kanji.grfour.husband;
120       replace_strokep(-3)(oldp shifted (0,60));
121       push_stroke((130,510)-(870,510),
122         (1.55,1.55)-(1.55,1.55));
123       set_boserif(0,1,9));
124   expand_pbox;
125 enddef;
126
127

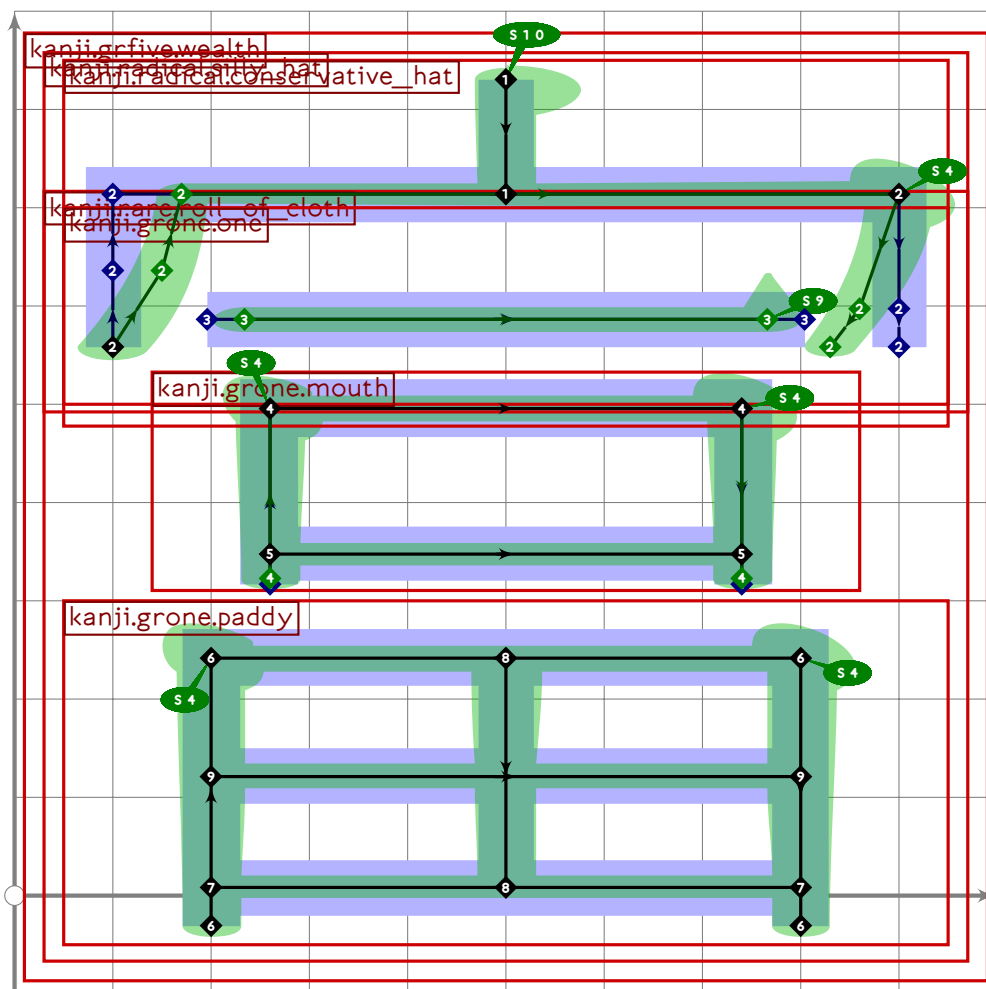
```



```

128
129 vardef kanji.grfour.injury =
130   push_pbox_toexpand("kanji.grfour.injury");
131   build_kanji.level(build_kanji.tb(640,200)
132     (kanji.radical.silly_hat)
133     (build_kanji.sscale(xscaled 0.84)(build_kanji.tb(420,0)
134       (kanji.toprad.blue)
135       (kanji.grone.mouth))));
136   expand_pbox;
137 enddef;
138
139

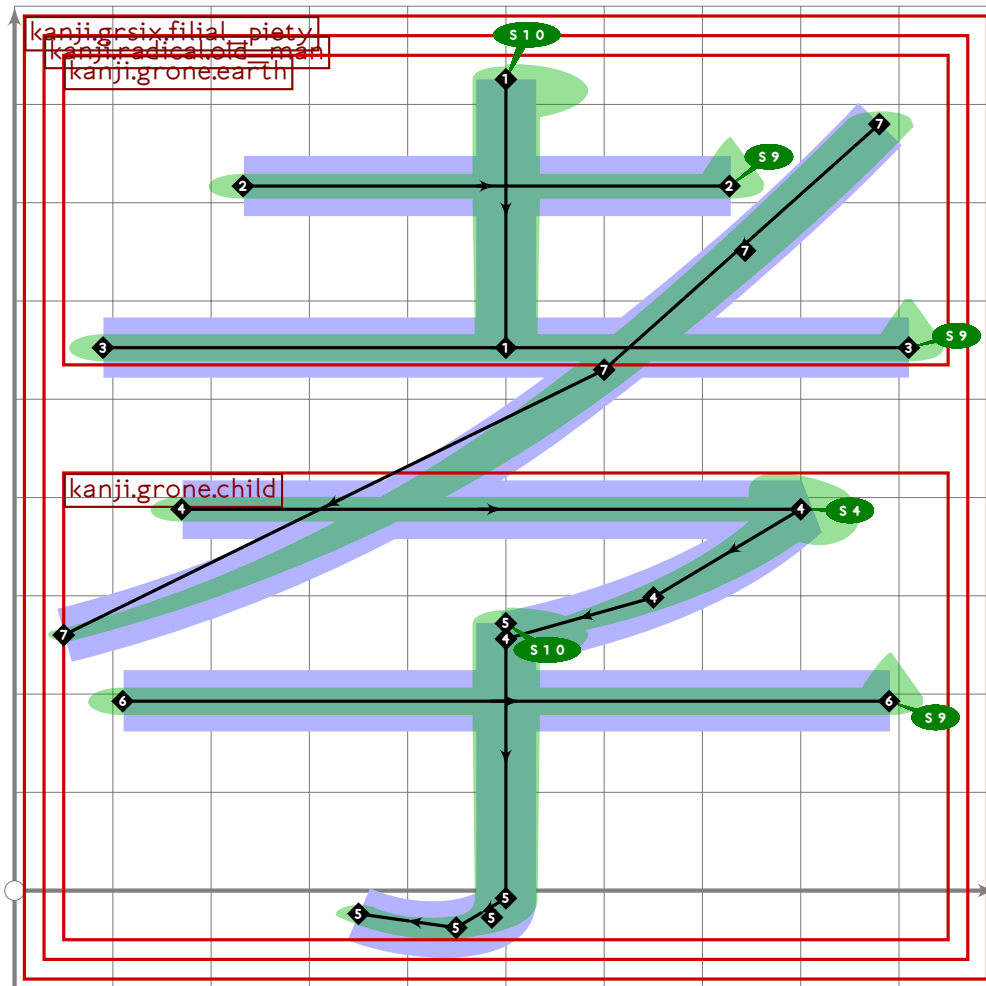
```

```

140
141 vardef kanji.grfive.wealth =
142   push_pbox_toexpand("kanji.grfive.wealth");
143   build_kanji.tb(600,200)
144     (kanji.radical.silly_hat)
145     (kanji.rare.roll_of_cloth;
146       replace_strokep(-6)(oldp shifted (-500,0) xscaled (0.8-0.1*mincho)
147         shifted (500,0)));
148   expand_pbox;
149 enddef;
150
151

```

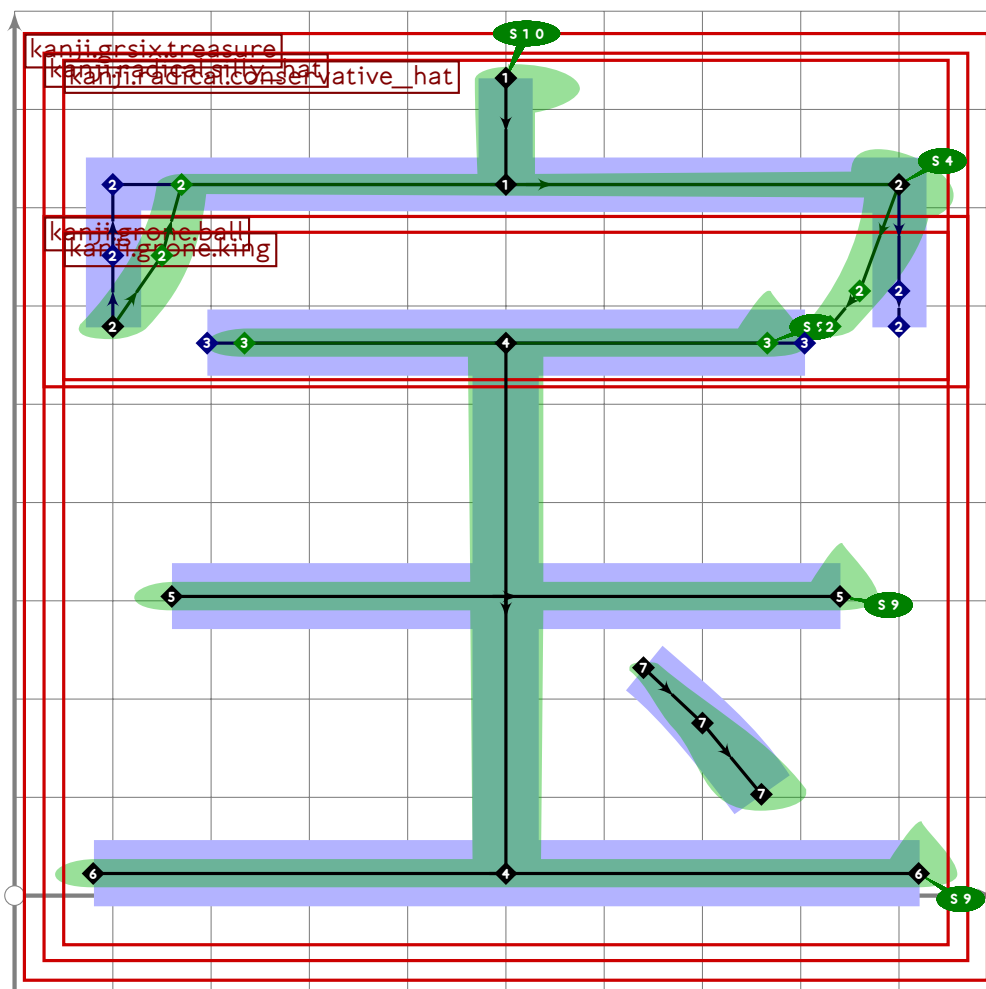


```

152
153 vardef kanji.grsix.filial_piety =
154   push_pbox_toexpand("kanji.grsix.filial_piety");
155   kanji.radical.old_man(kanji.grone.child);
156   expand_pbox;
157 enddef;

```

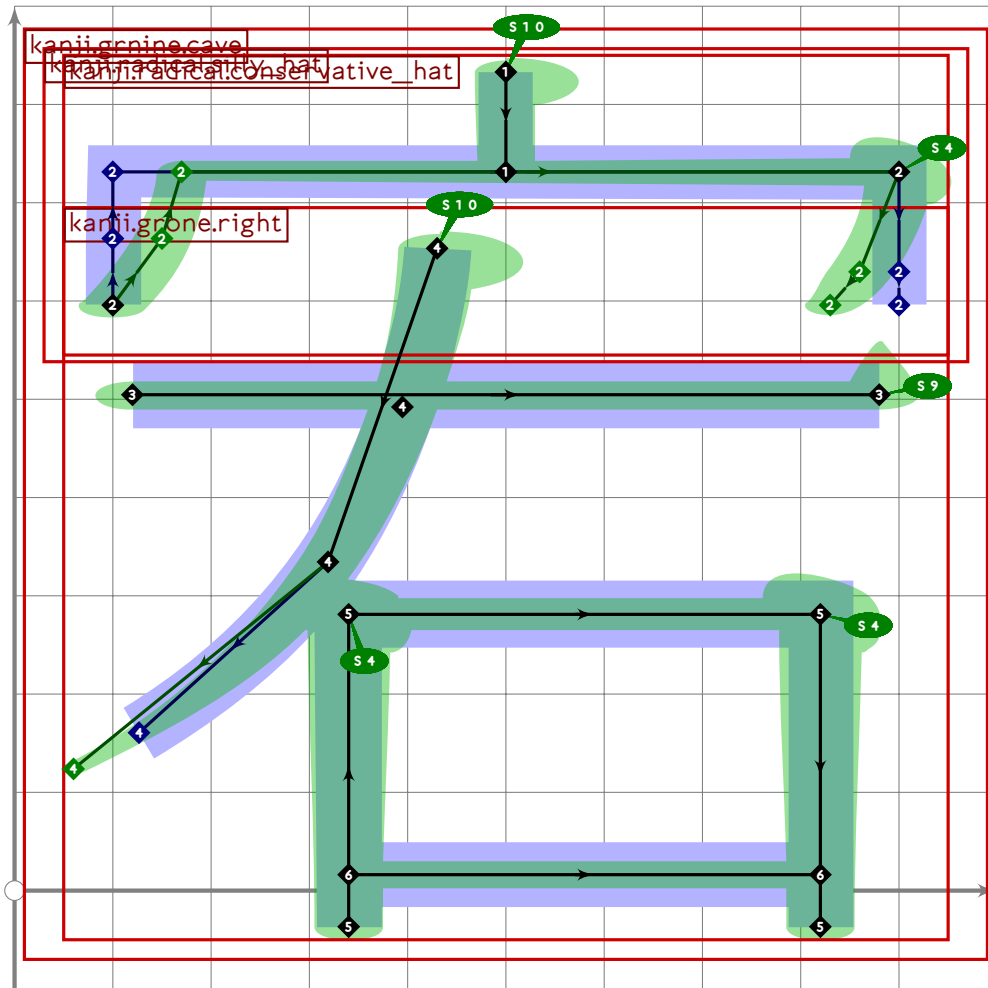
U+5B9D
tsuku.uni5B9D



```

158
159 vardef kanji.grsix.treasure =
160   push_pbox_toexpand("kanji.grsix.treasure");
161   build_kanji.tb(600,150)
162     (kanji.radical.silly_hat)
163     (kanji.grone.ball;
164       replace_strokep(-4)(oldp shifted (-500,0) xscaled (0.8-0.1*mincho)
165         shifted (500,0)));
166   expand_pbox;
167 enddef;
168
169

```

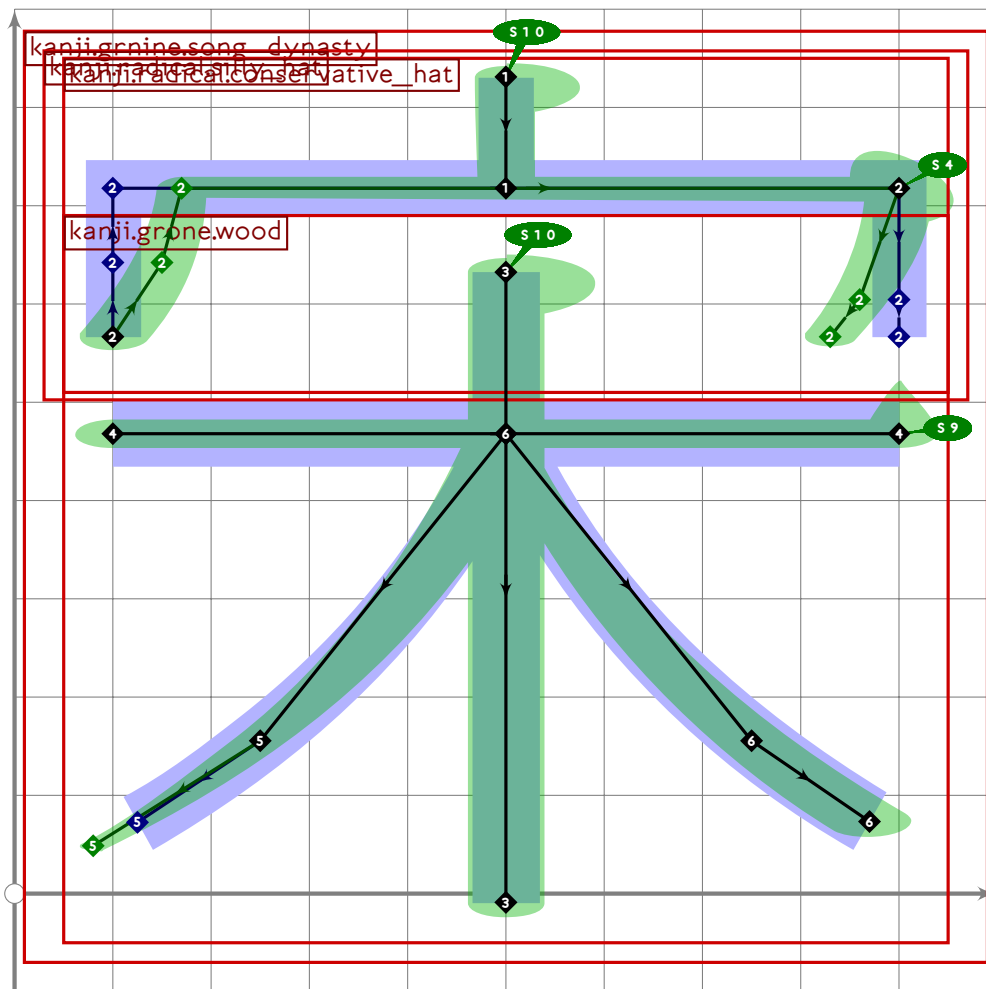


```

170
171 vardef kanji.grnine.cave =
172   push_pbox_toexpand("kanji.grnine.cave");
173   build_kanji.tb(620,150)
174     (kanji.radical.silly_hat)
175     (kanji.grone.right);
176   expand_pbox;
177 enddef;

```

U+5B8B
tsuku.uni5B8B



```

178
179 vardef kanji.grnine.song_dynasty =
180   push_pbox_toexpand("kanji.grnine.song_dynasty");
181   build_kanji.tb(600,180)
182   (kanji.radical.silly_hat)
183   (kanji.grone.wood);
184   expand_pbox;
185 enddef;

```

186

187

188

189 % ko "child"

190 beginsuglyph("uni5B50";80);

[see page 427]

191 kanji.grone.child;

192 tsu_render;

193 endsuglyph;

194

195 % ketsu/hitori "mosquito larva"

196 beginsuglyph("uni5B51";81);

[see page 1025]

197 kanji.rare.mosquito_larva;

198 tsu_render;

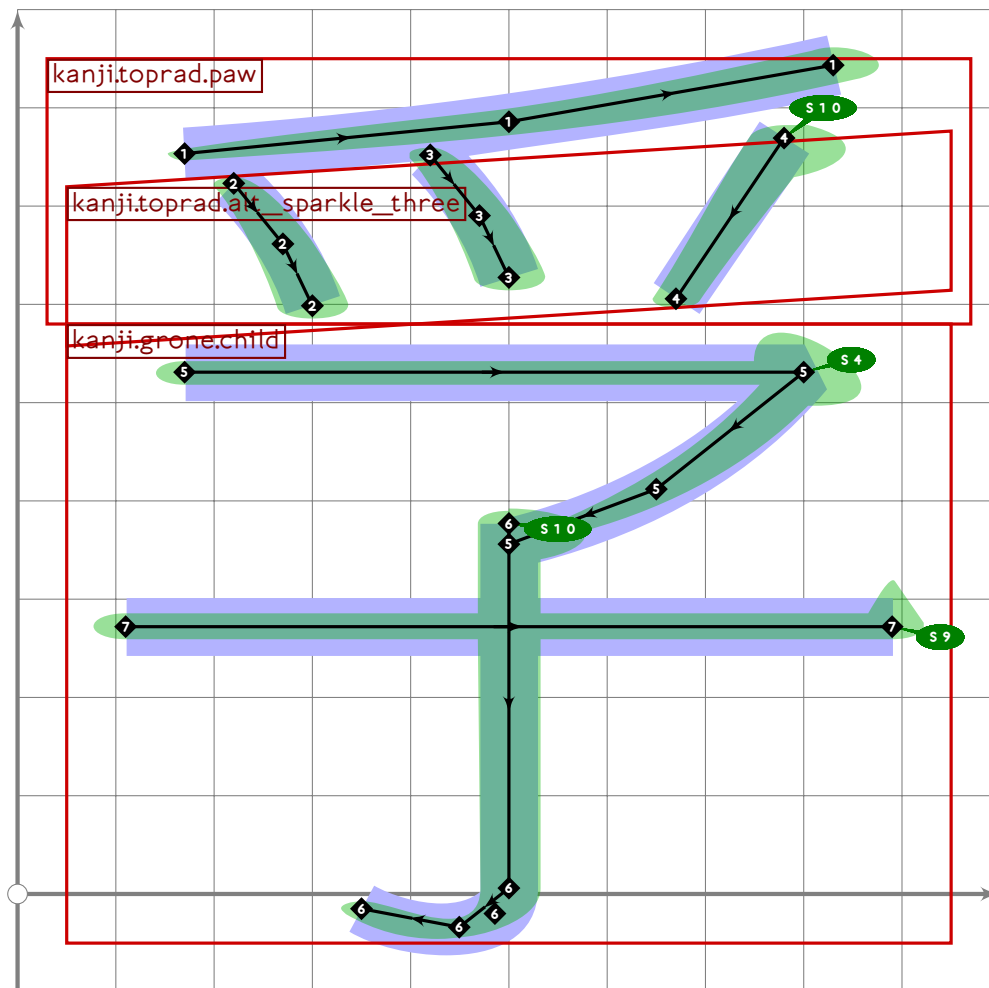
```

199 endtsuglyph;
200
201 % ji "character"
202 begintsuglyph("uni5B57";87);
203   kanji.grone.character;
204   tsu_render;
205 endtsuglyph;
206
207 % son/nagaraeru "exist"
208 begintsuglyph("uni5B58";88);
209   kanji.grsix.exist;
210   tsu_render;
211 endtsuglyph;
212

```

[see page 426]

[see page 794]

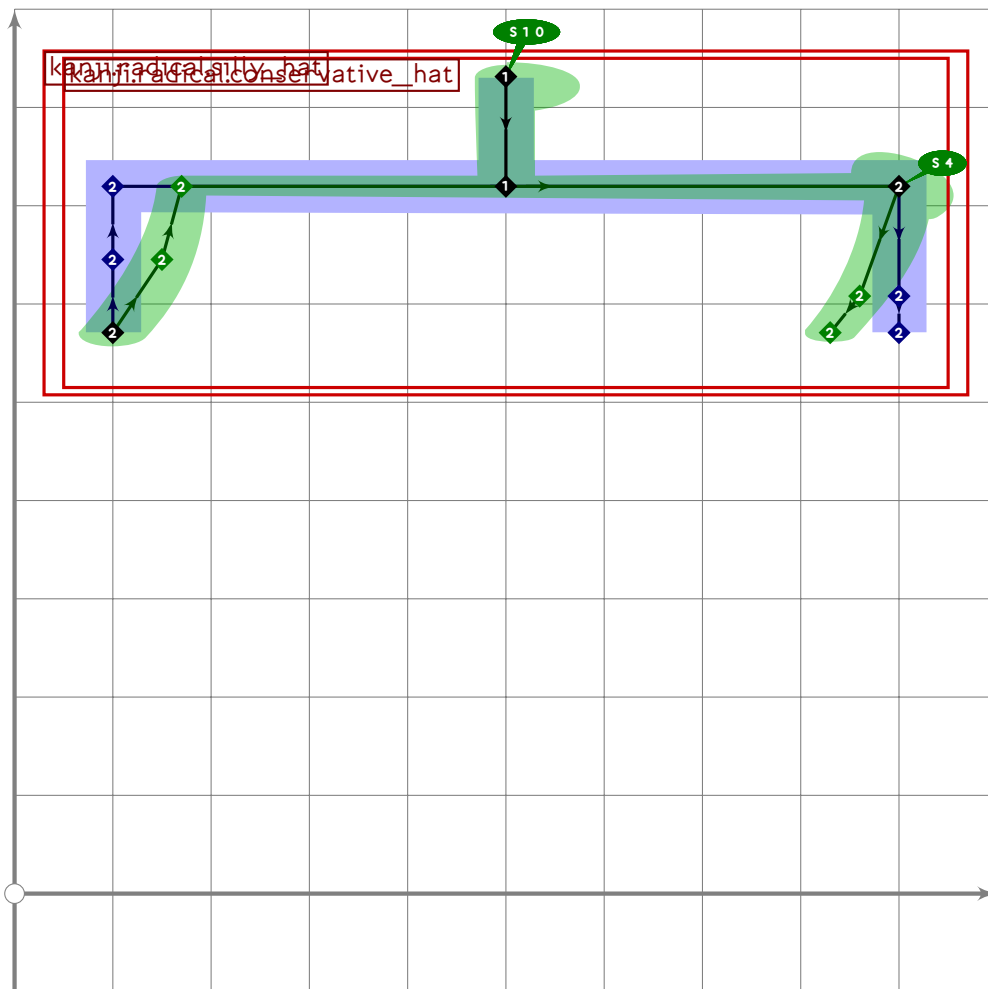


```

213 % extra: fu/tamago "enfold"
214 begintsuglyph("uni5B5A";90);
215   build_kanji.level(build_kanji.tb(580,0)
216     (kanji.toprad.paw)
217     (kanji.grone.child));
218   tsu_render;
219 endtsuglyph;

```

220
 221 % kou/taka "filial piety"
 222 begintsuglyph("uni5B5D";93); [see page 2219]
 223 kanji.grsix.filial_piety;
 224 tsu_render;
 225 endtsuglyph;
 226
 227 % ki "season"
 228 begintsuglyph("uni5B63";99); [see page 732]
 229 kanji.grfour.season;
 230 tsu_render;
 231 endtsuglyph;
 232
 233 % gaku "school"
 234 begintsuglyph("uni5B66";102); [see page 2211]
 235 kanji.grone.study;
 236 tsu_render;
 237 endtsuglyph;
 238
 239 % son/mago "grandchild"
 240 begintsuglyph("uni5B6B";107); [see page 704]
 241 kanji.grfour.grandchild;
 242 tsu_render;
 243 endtsuglyph;
 244
 245 % extra: sen/yowa "weak" or "steep"
 246 begintsuglyph("uni5B71";113); [see page 1045]
 247 kanji.rare.steep;
 248 tsu_render;
 249 endtsuglyph;
 250



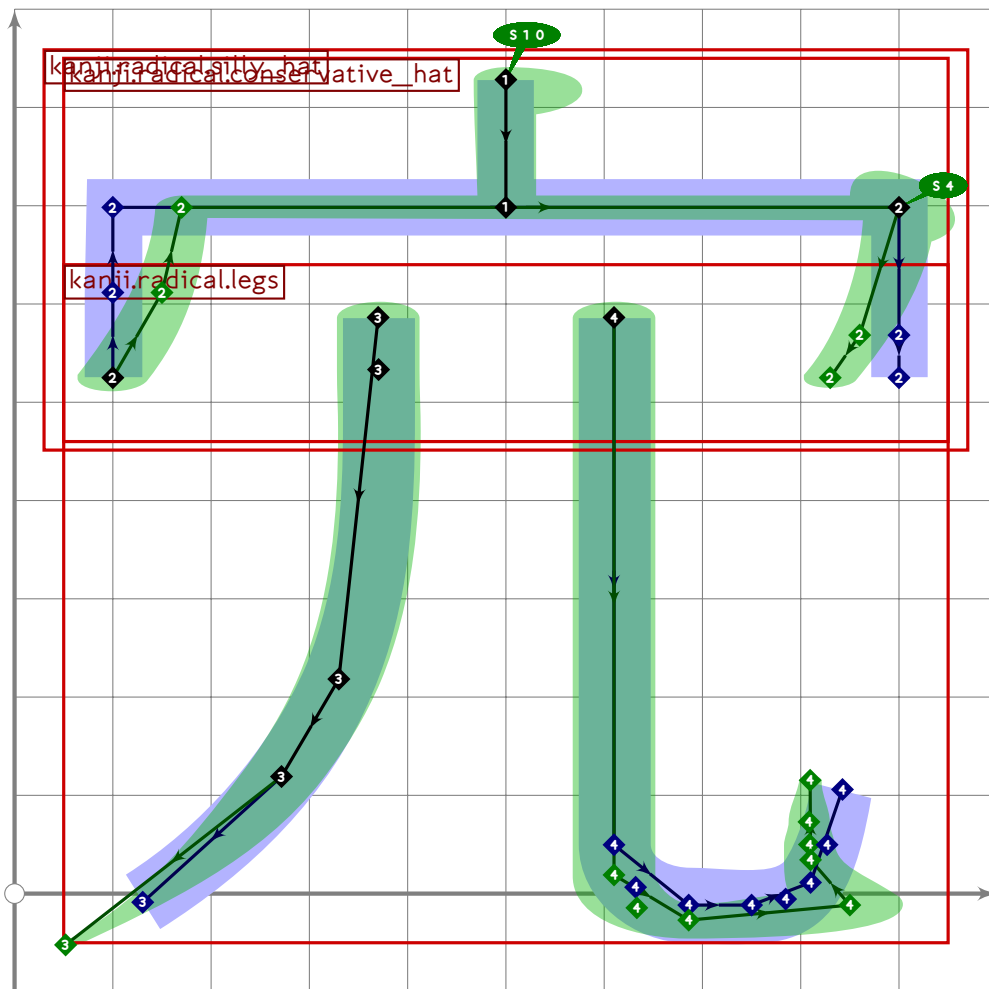
```

251 % silly hat radical
252 begintsuglyph("uni5B80";128);
253     build_kanji.tb(500,30)
254         (kanji.radical.silly_hat)
255         ();
256     tsu_render;
257 endtsuglyph;
258
259 % cho/takuwaeru "bobbin"
260 begintsuglyph("uni5B81";129);
261     kanji.rare.bobbin;
262     tsu_render;
263 endtsuglyph;
264

```

[see page 994]

U+5B82
tsuku.uni5B82

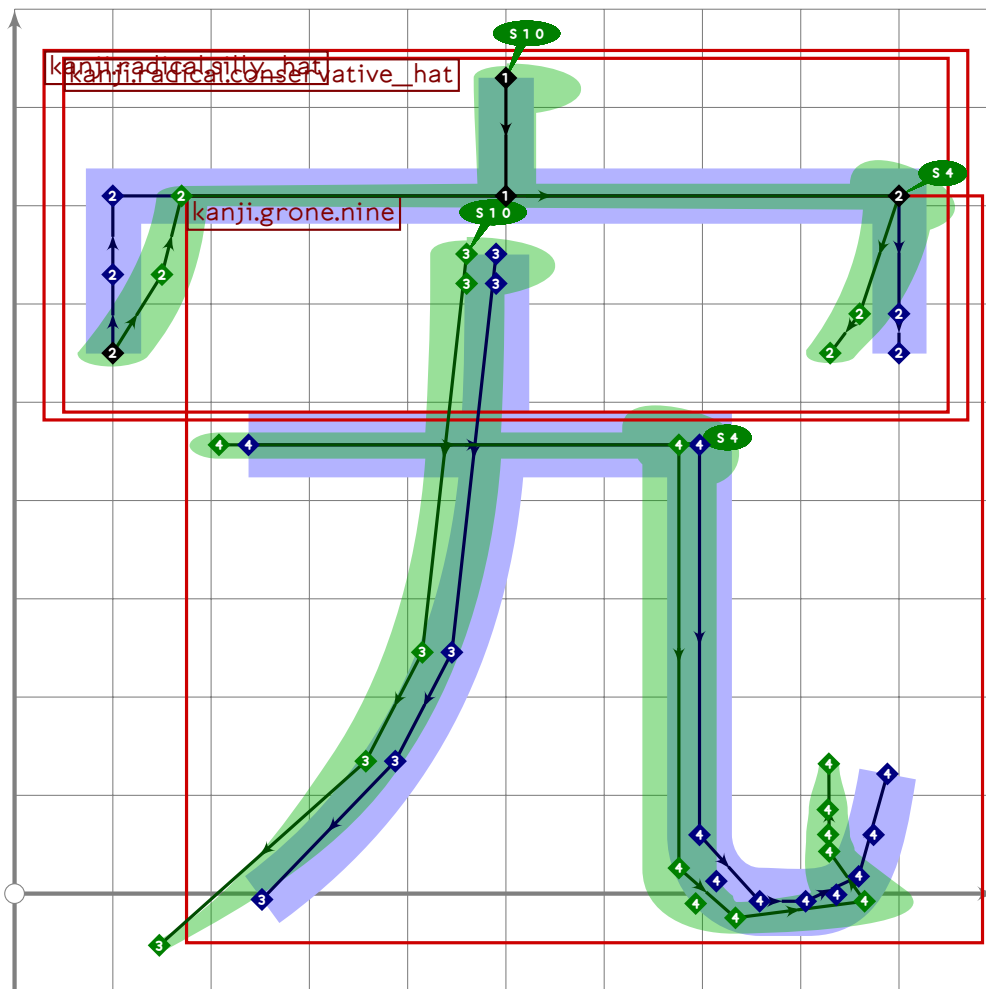


```

265 % extra
266 begintsuglyph("uni5B82";130);
267     build_kanji.tb(550,180)
268         (kanji.radical.silly_hat)
269         (kanji.radical.legs);
270     tsu_render;
271 endtsuglyph;
272
273 % ta/hebi "other"
274 begintsuglyph("uni5B83";131);
275     kanji.rare.other;
276     tsu_render;
277 endtsuglyph;
278

```

[see page 1034]



```

279 % extra
280 begintsuglyph("uni5B84";132);
281   build_kanji.tb(600,220)
282     (kanji.radical.silly_hat)
283     (build_kanji.sscale(xscaled 0.9 shifted (80-30*mincho,0))
284       (kanji.grone.nine));
285   tsu_render;
286 endtsuglyph;
287
288 % shu/mamo "protect"
289 begintsuglyph("uni5B88";136);
290   kanji.grthree.protect;
291   tsu_render;
292 endtsuglyph;
293
294 % an/yasu "easy/cheap"
295 begintsuglyph("uni5B89";137);
296   kanji.grthree.easy;
297   tsu_render;
298 endtsuglyph;
299

```

[see page 2215]

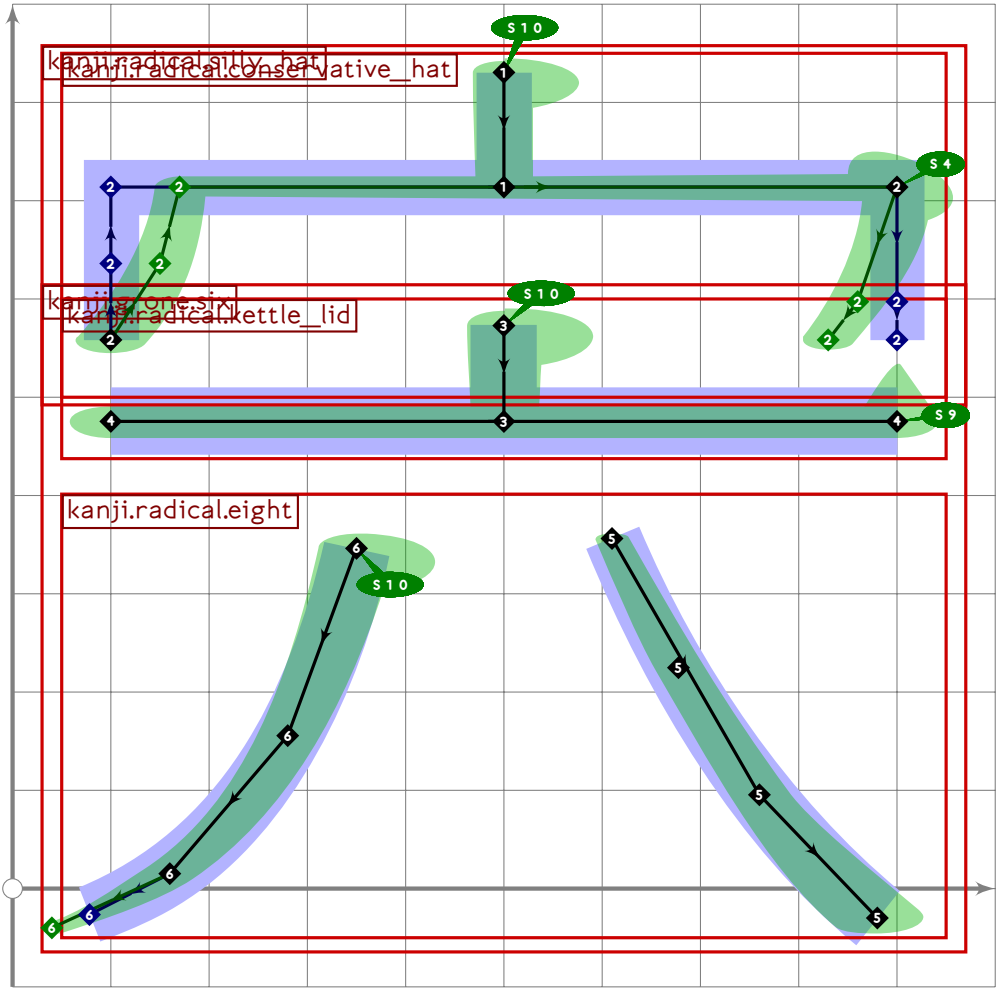
[see page 617]

U+5B8D
tsuku.uni5B8D

```
300 % "song dynasty"
301 begintsuglyph("uni5B8B",139);
302   kanji.grnine.song_dynasty;
303   tsu_render;
304 endtsuglyph;
305
306 % kan "perfect"
307 begintsuglyph("uni5B8C",140);
308   kanji.grfour.perfect;
309   tsu_render;
310 endtsuglyph;
311
```

[see page 2222]

[see page 723]



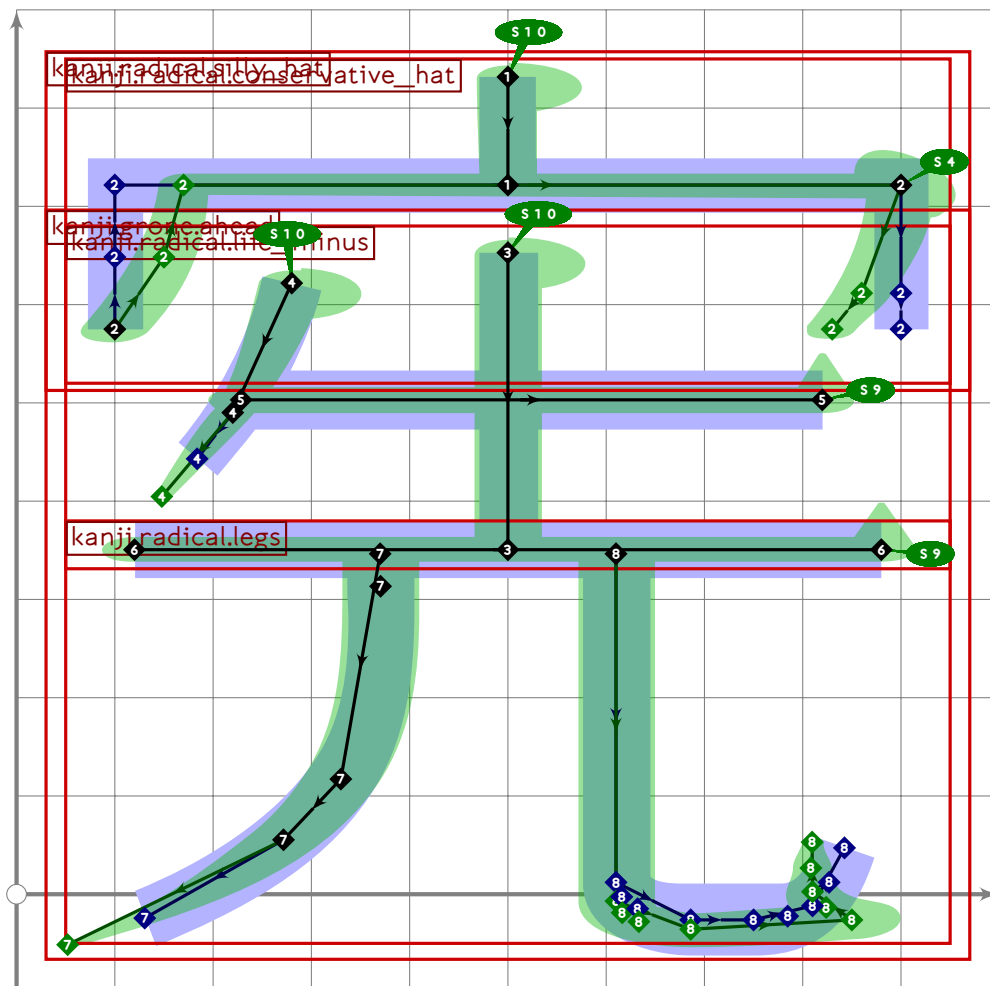
```
312 % extra "meat"
313 begintsuglyph("uni5B8D",141);
314   build_kanji.tb(550,100)
315     (kanji.radical.silly_hat)
316     (kanji.grone.six);
317   tsu_render;
318 endtsuglyph;
319
320 % "cave"
```

321	begintsuglyph("uni5B95";149);	[see page 2221]
322	kanji.grnine.cave;	
323	tsu_render;	
324	endtsuglyph;	
325		
326	% shuu/mune "religion"	
327	begintsuglyph("uni5B97";151);	[see page 799]
328	kanji.grsix.religion;	
329	tsu_render;	
330	endtsuglyph;	
331		
332	% kan "bureaucracy"	
333	begintsuglyph("uni5B98";152);	[see page 679]
334	kanji.grfour.bureaucracy;	
335	tsu_render;	
336	endtsuglyph;	
337		
338	% chuu "space"	
339	begintsuglyph("uni5B99";153);	[see page 802]
340	kanji.grsix.space;	
341	tsu_render;	
342	endtsuglyph;	
343		
344	% tei/sada "regular"	
345	begintsuglyph("uni5B9A";154);	[see page 655]
346	kanji.grthree.regular;	
347	tsu_render;	
348	endtsuglyph;	
349		
350	% hou/takara "treasure"	
351	begintsuglyph("uni5B9D";157);	[see page 2220]
352	kanji.grsix.treasure;	
353	tsu_render;	
354	endtsuglyph;	
355		
356	% jitsu/mi "reality"	
357	begintsuglyph("uni5B9F";159);	[see page 2216]
358	kanji.grthree.reality;	
359	tsu_render;	
360	endtsuglyph;	
361		
362	% kyaku "guest"	
363	begintsuglyph("uni5BA2";162);	[see page 627]
364	kanji.grthree.guest;	
365	tsu_render;	
366	endtsuglyph;	
367		
368	% shitsu/muro "chamber"	

U+5BAA
tsuku.uni5BAA

```
369 begintsuglyph("uni5BA4";164);  
370 kanji.grtwo.chamber;  
371 tsu_render;  
372 endsuglyph;  
373
```

[see page 499]



```
374 % extra  
375 begintsuglyph("uni5BAA";170);  
376 build_kanji.tb(600,160)  
377 (kanji.radical.silly_hat)  
378 (kanji.grone.ahead);  
379 tsu_render;  
380 endsuglyph;  
381  
382 % kyuu/miya "house"  
383 begintsuglyph("uni5BAE";174);  
384 kanji.grthree.palace;  
385 tsu_render;  
386 endsuglyph;  
387  
388 % gai "injury"  
389 begintsuglyph("uni5BB3";179);
```

[see page 2214]

[see page 2217]

390 kanji.grfour.injury;
 391 tsu_render;
 392 endtsuglyph;
 393
 394 % ka/ie "house"
 395 begintsuglyph("uni5BB6";182); [see page 530]
 396 kanji.grtwo.house;
 397 tsu_render;
 398 endtsuglyph;
 399
 400 % you/i "face"
 401 begintsuglyph("uni5BB9";185); [see page 758]
 402 kanji.grfive.face;
 403 tsu_render;
 404 endtsuglyph;
 405
 406 % shuku/yado "inn"
 407 begintsuglyph("uni5BBF";191); [see page 633]
 408 kanji.grthree.inn;
 409 tsu_render;
 410 endtsuglyph;
 411
 412 % ki/yo "draw near"
 413 begintsuglyph("uni5BC4";196); [see page 754]
 414 kanji.grfive.draw_near;
 415 tsu_render;
 416 endtsuglyph;
 417
 418 % in/tora "zodiac sign of the tiger"
 419 begintsuglyph("uni5BC5";197); [see page 983]
 420 kanji.grnine.tiger_sign;
 421 tsu_render;
 422 endtsuglyph;
 423
 424 % fu/to "wealth"
 425 begintsuglyph("uni5BCC";204); [see page 2218]
 426 kanji.grfive.wealth;
 427 tsu_render;
 428 endtsuglyph;
 429
 430 % kan/samu "cold"
 431 begintsuglyph("uni5BD2";210); [see page 2213]
 432 kanji.grthree.cold;
 433 tsu_render;
 434 endtsuglyph;
 435
 436 % satsu "guess"
 437 begintsuglyph("uni5BDF";223); [see page 705]

```

438 kanji.grfour.guess;
439 tsu_render;
440 endtsuglyph;
441
442 % su/miki "inch", also often a radical
443 begintsuglyph("uni5BF8",248); [see page 796]
444 kanji.grsix.inch;
445 tsu_render;
446 endtsuglyph;
447
448 % tera/ji "temple"
449 begintsuglyph("uni5BFA",250); [see page 576]
450 kanji.grtwo.temple;
451 tsu_render;
452 endtsuglyph;
453
454 % tai/aite "counterpart"
455 begintsuglyph("uni5BFE",254); [see page 2212]
456 kanji.grthree.counterpart;
457 tsu_render;
458 endtsuglyph;
459
460 _____
461
462 endfont;
463
464 _____

```