

作りましょう 0.11

パラメタ方式フォントファミリ
校とプリティプリントのソース

Tsukurimashou 0.11

Parametric Font Family
Proofs and pretty-printed
source code

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Proofs and pretty-printed source code for Tsukurimashou
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Volume VII

U+4E00 to U+56FF

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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

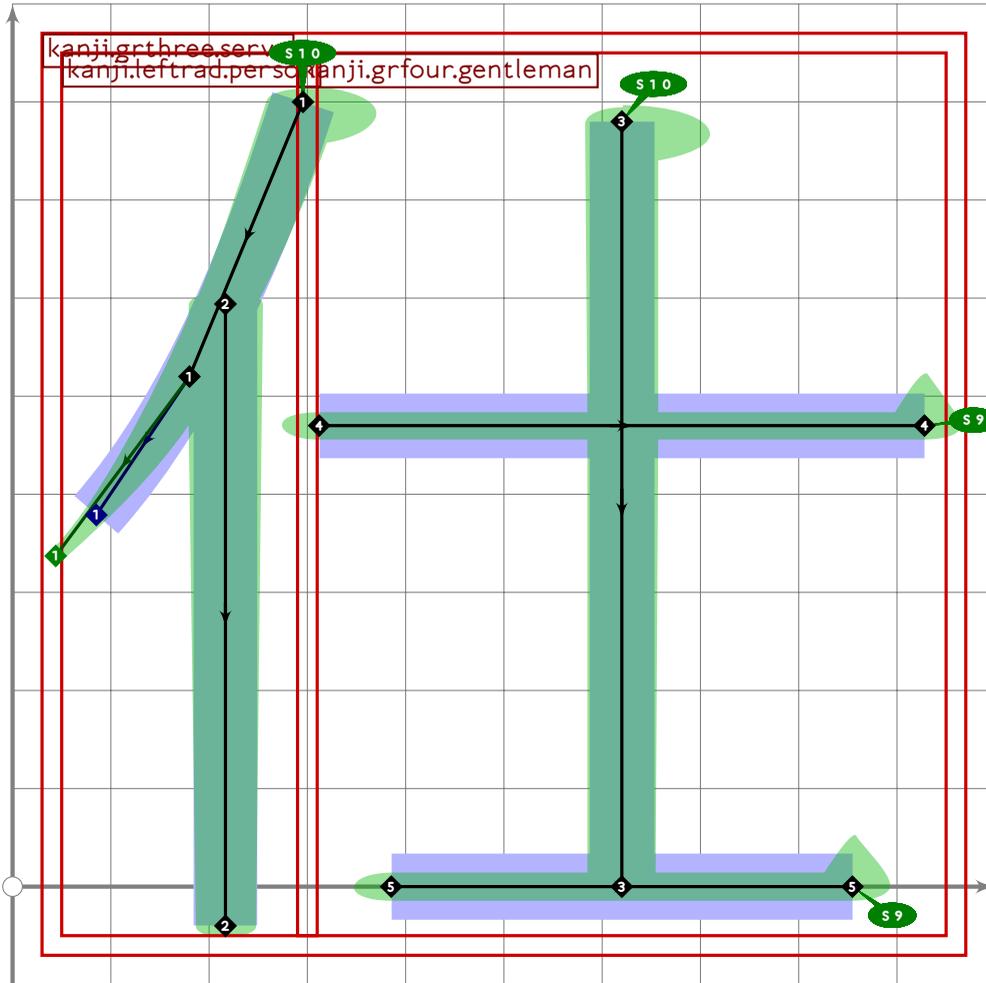
tsuku-55.mp

55

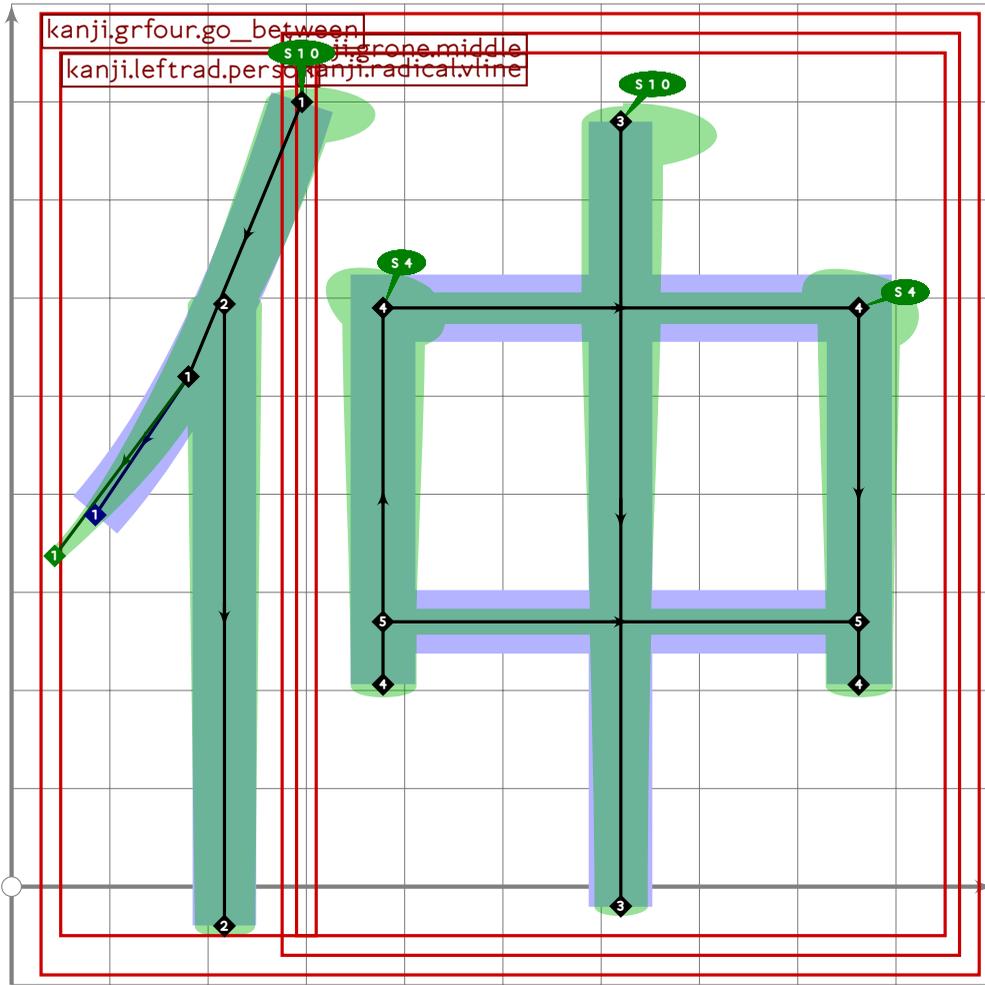
tsuku-56.mp

56

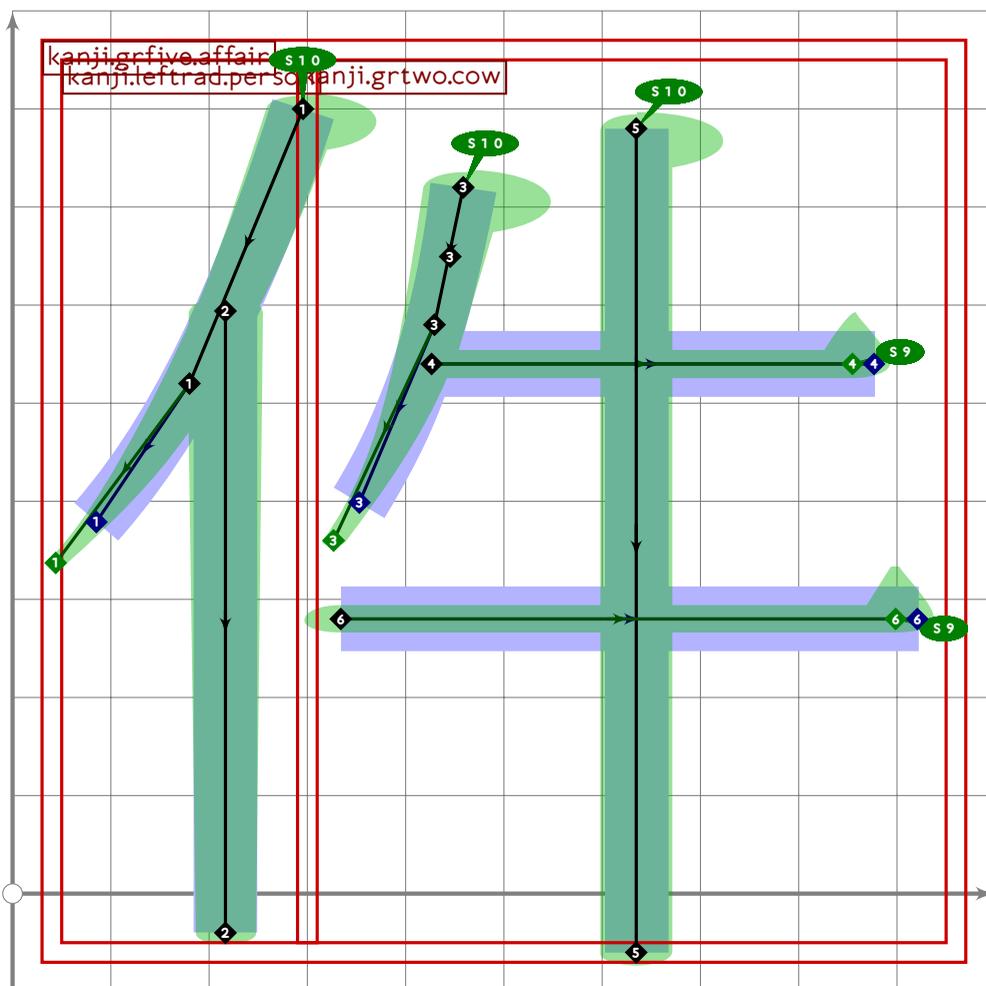

```
1 %
2 % Unicode page 4E (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019,
4 % 2021 Matthew Skala
5 %
6-30 [Standard copyright notice]
31
32 _____
33
34 beginfont
35
36 % AUTODEPS
37 input bkencl.mp;
38 input buildkanji.mp;
39 input gradeeight.mp;
40 input gradefive.mp;
41 input gradefour.mp;
42 input gradenine.mp;
43 input gradeone.mp;
44 input gradesix.mp;
45 input gradethree.mp;
46 input gradetwo.mp;
47 input leftrad.mp;
48 input radical.mp;
49 input rare.mp;
50 input toprad.mp;
51
52 do_late_includes;
53
54 _____
```



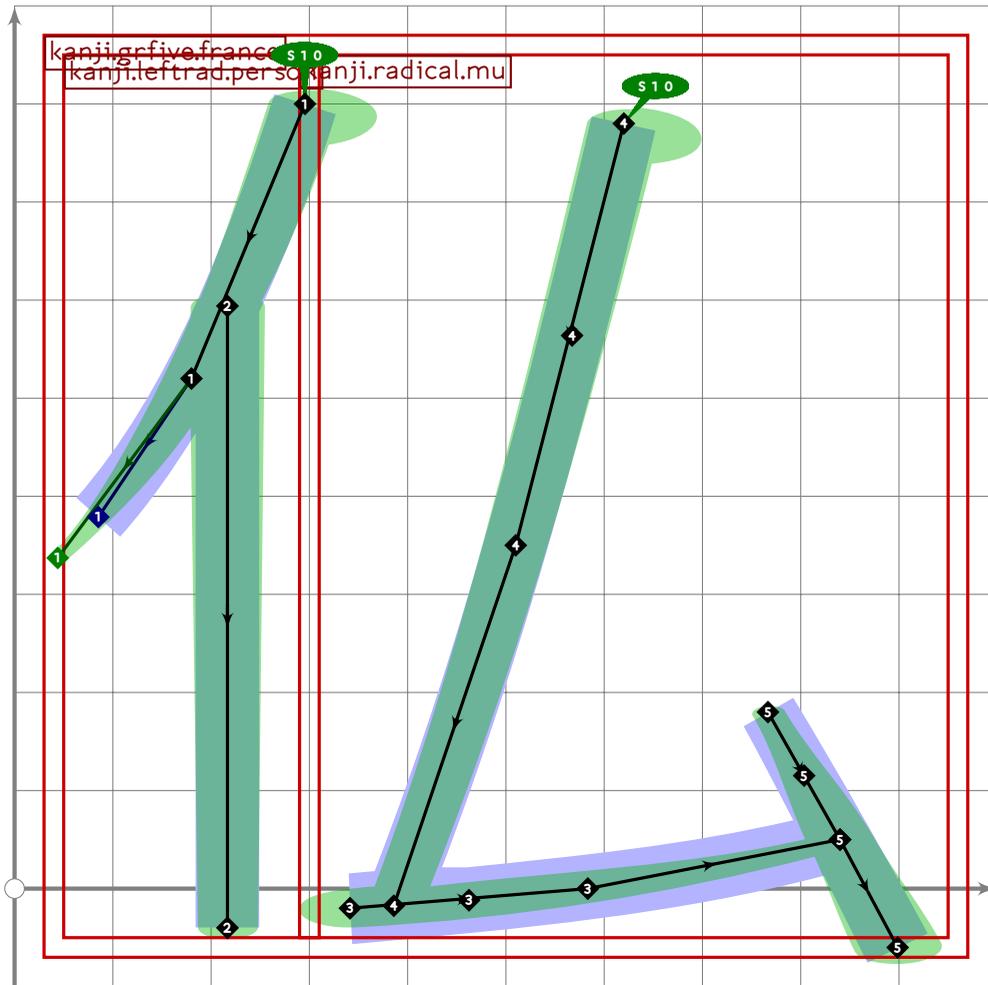
```
55  
56 vardef kanji.grthree.serve =  
57   push_pbox_toexpand("kanji.grthree.serve");  
58   build_kanji.lr(300,20)  
59     (kanji.leftrad.person)  
60     (kanji.grfour.gentleman);  
61   expand_pbox;  
62 enddef;  
63  
64
```



```
65  
66 vardef kanji.grfour.go_between =  
67   push_pbox_toexpand("kanji.grfour.go_between");  
68   build_kanji.lr(300,20)  
69     (kanji.leftrad.person)  
70     (kanji.grone.middle);  
71   expand_pbox;  
72 enddef;  
73  
74
```

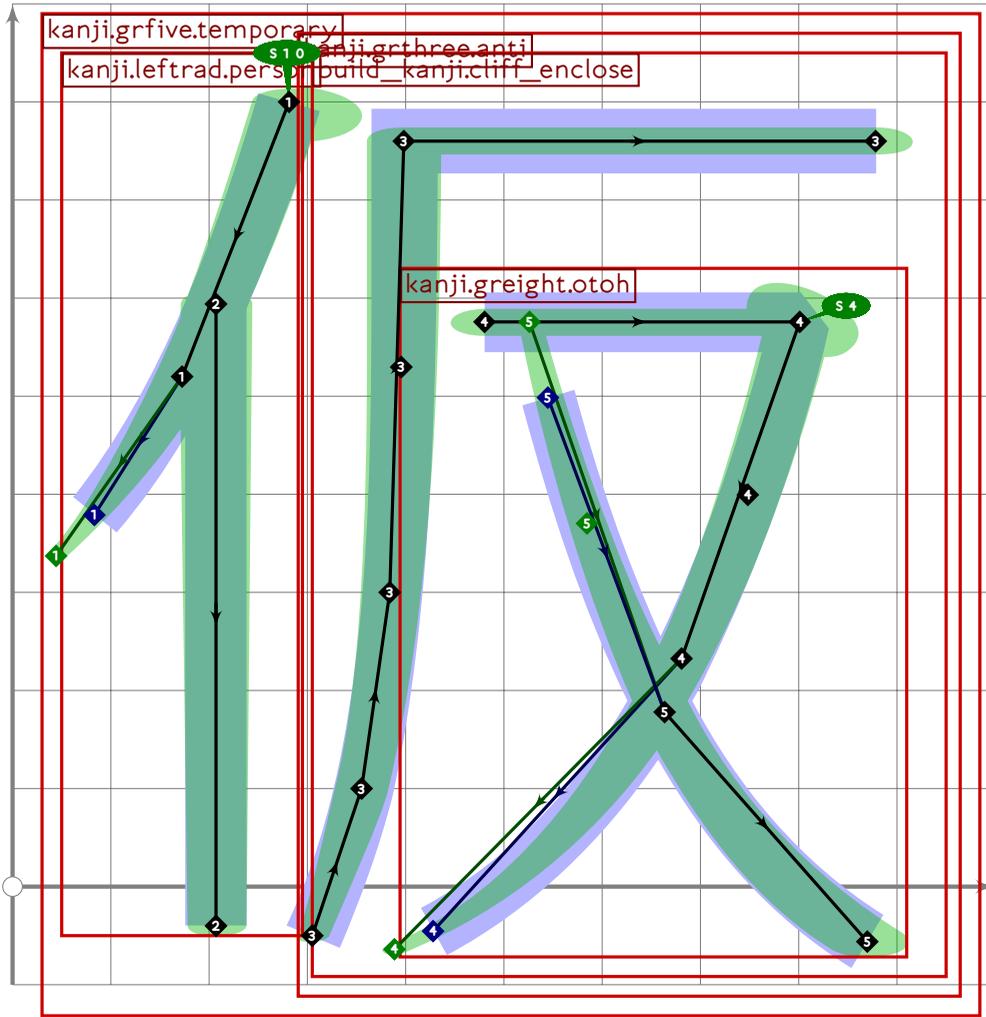


```
75  
76 vardef kanji.grfive.affair =  
77   push_pbox_toexpand("kanji.grfive.affair");  
78   build_kanji.lr(300,20)  
79     (kanji.leftrad.person)  
80     (kanji.grtwo.cow);  
81   expand_pbox;  
82 enddef;
```

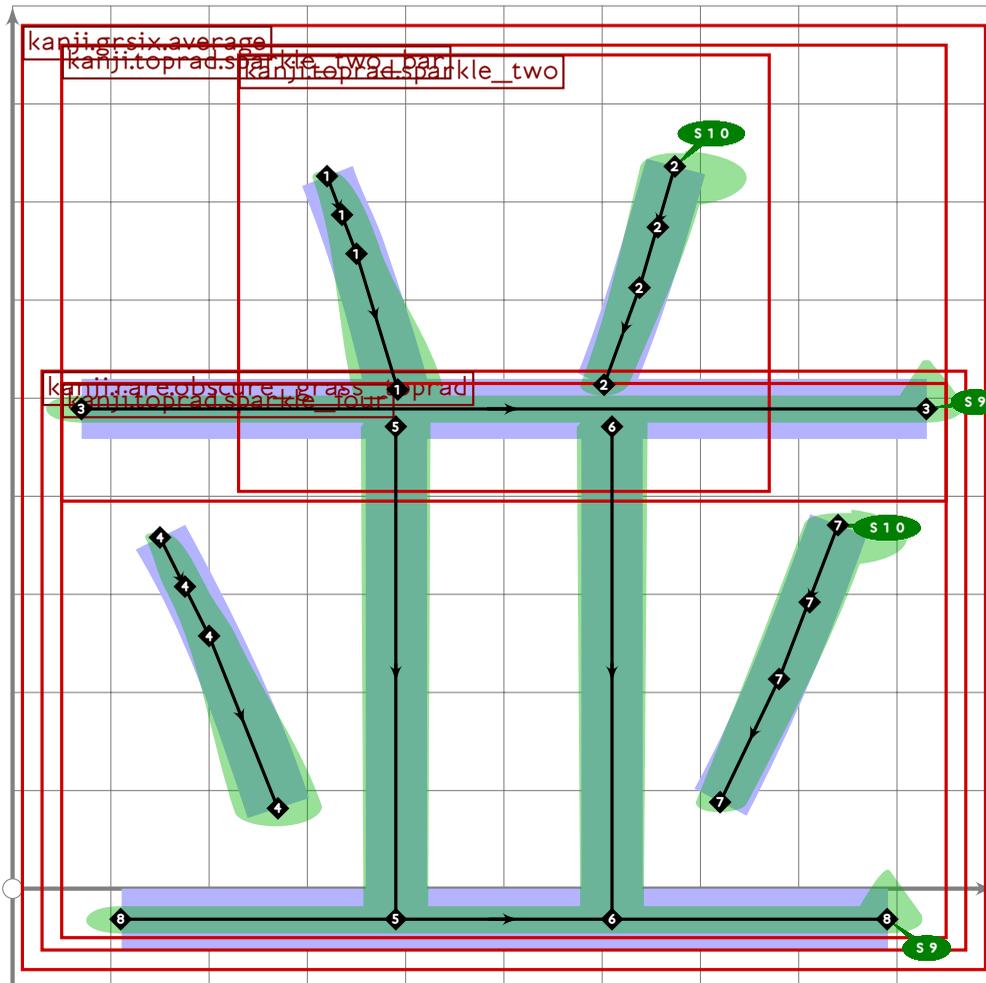


```
83  
84 vardef kanji.grfive.france =  
85   push_pbox_toexpand("kanji.grfive.france");  
86   build_kanji.lr(300,20)  
87     (kanji.leftrad.person)  
88     (kanji.radical.mu);  
89   expand_pbox;  
90 enddef;
```

4E



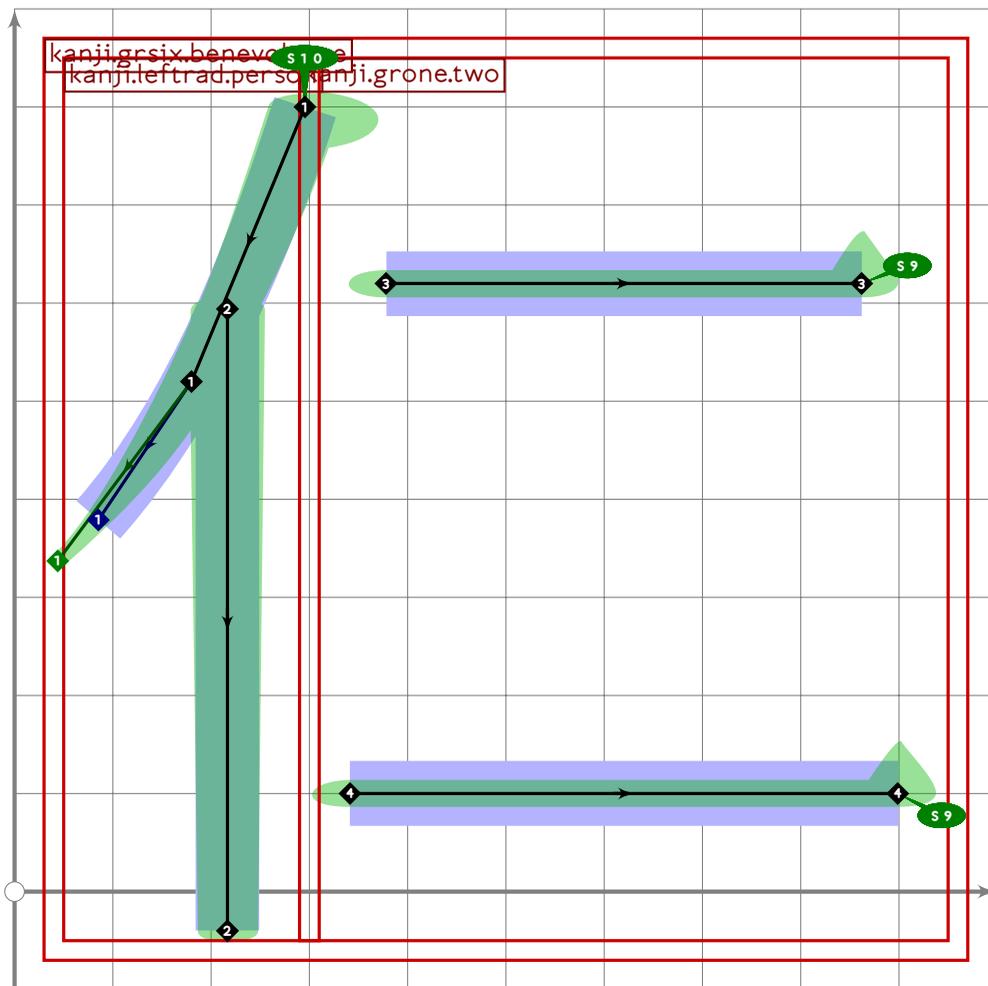
```
91  
92 vardef kanji.grfive.temporary =  
93   push_pbox_toexpand("kanji.grfive.temporary");  
94   build_kanji.lr(300,-10)  
95     (kanji.leftrad.person)  
96     (kanji.grthree.anti);  
97   expand_pbox;  
98 enddef;  
99  
100
```



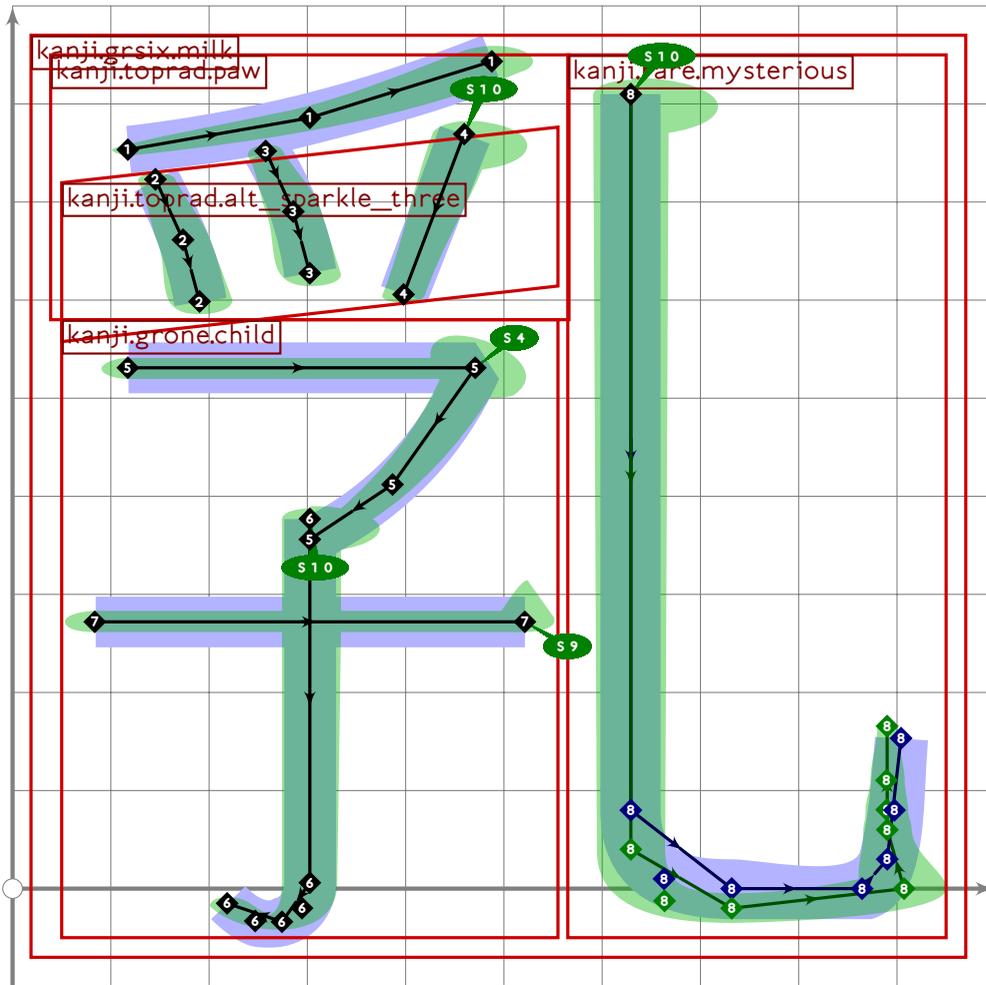
```

101
102 vardef kanji.grsix.average =
103   push_pbox_toexpand("kanji.grsix.average");
104   build_kanji.level(build_kanji.tb(460,110)
105     (kanji.toprad.sparkle_two_bar)
106     (kanji.rare.obscure_grass_toprad;
107       set_boserif(-2,0,whatever);
108       set_boserif(-3,0,whatever)));
109   expand_pbox;
110 enddef;

```



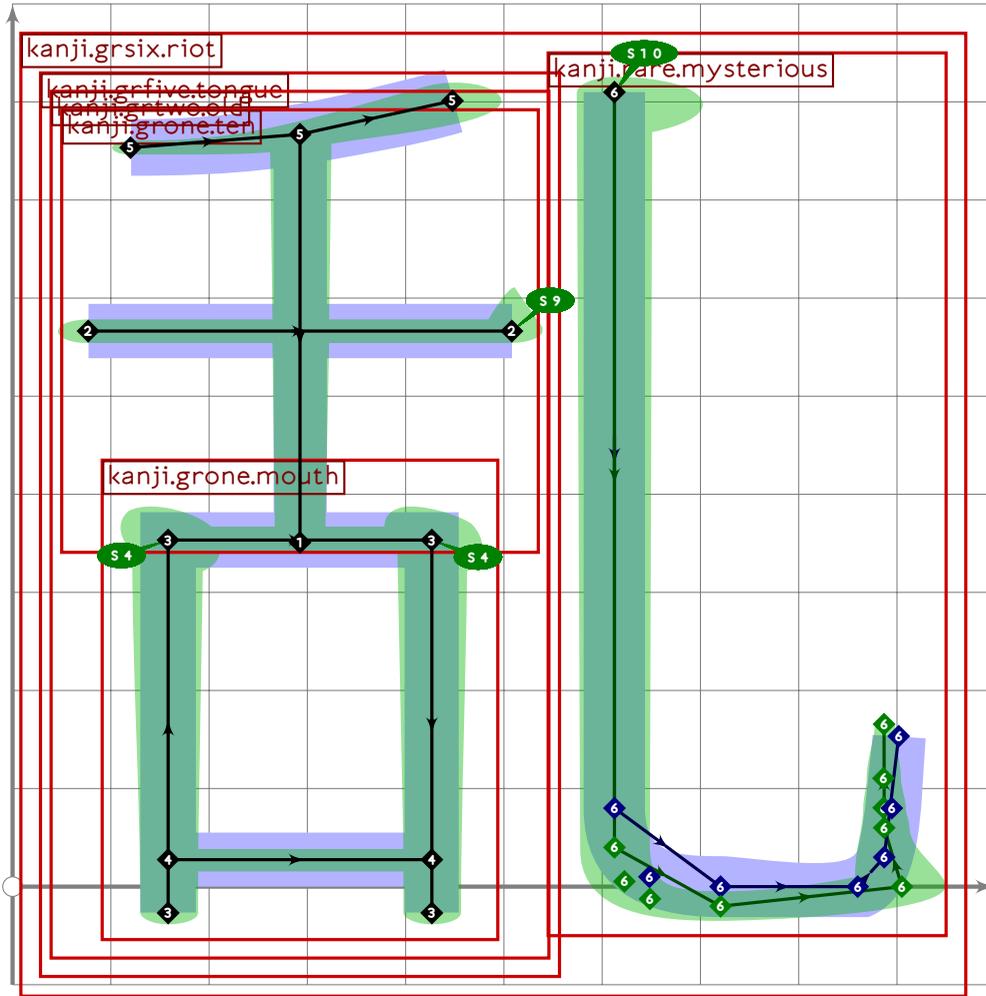
```
111  
112 vardef kanji.grsix.benevolence =  
113   push_pbox_toexpand("kanji.grsix.benevolence");  
114   build_kanji.lr(300,20)  
115     (kanji.leftrad.person)  
116     (kanji.grone.two);  
117   expand_pbox;  
118 enddef;
```



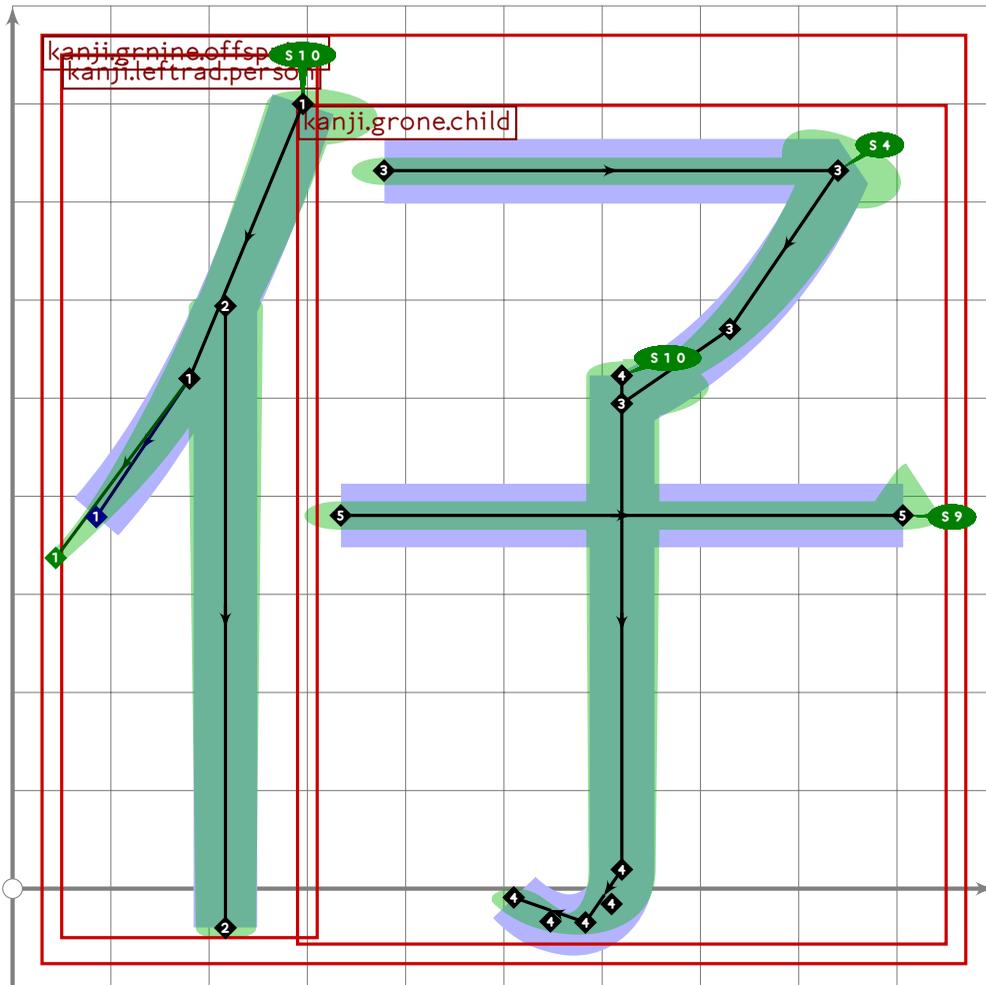
```

119
120 vardef kanji.grsix.milk =
121   push_pbox_toexpand("kanji.grsix.milk");
122   build_kanji.lr(560,-10)
123     (build_kanji.level(build_kanji.tb(580,0)
124       (kanji.toprad.paw)
125       (kanji.grone.child)))
126     (kanji.rare.mysterious);
127   expand_pbox;
128 enddef;

```



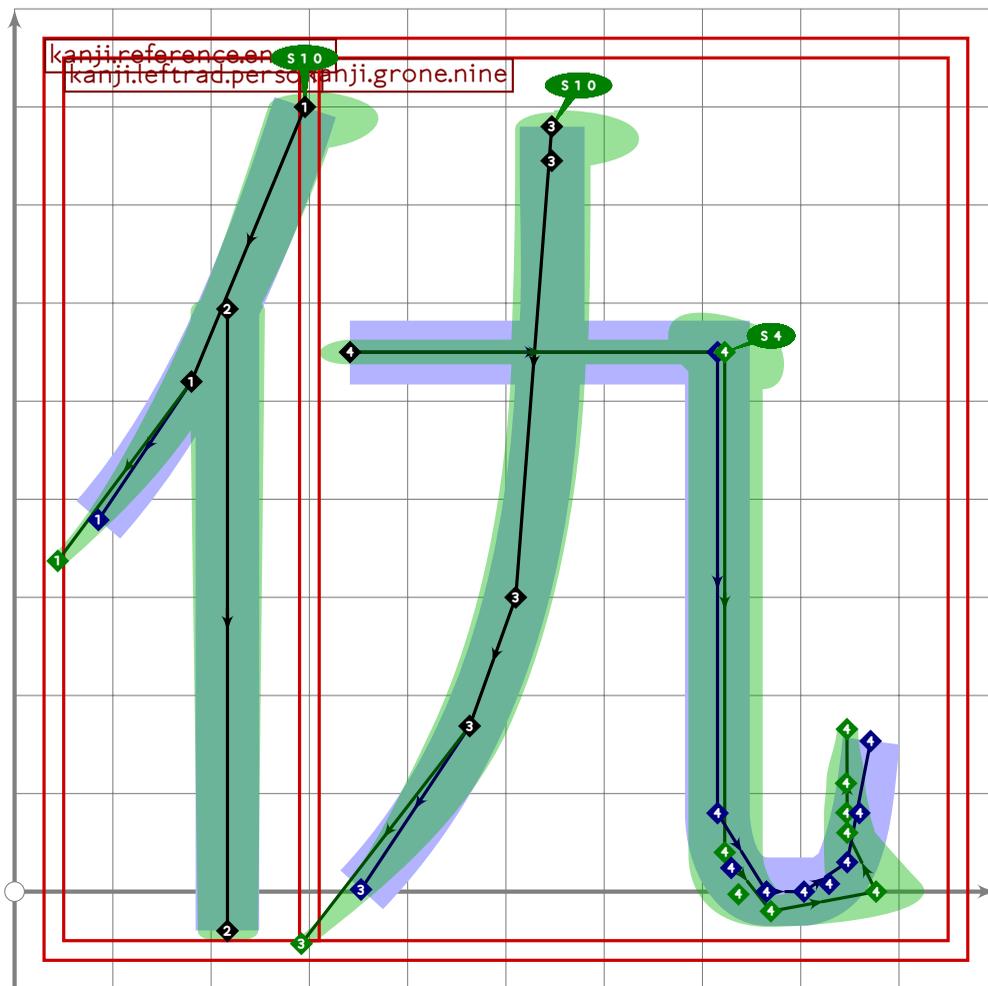
```
129
130 vardef kanji.grsix.riot =
131   push_pbox_toexpand("kanji.grsix.riot");
132   build_kanji.lr(540;-10)
133     (tsu_xform(identity yscaled 0.94 shifted (0;-7))(kanji.grfive.tongue))
134     (kanji.rare.mysterious);
135   expand_pbox;
136 enddef;
137
138
```



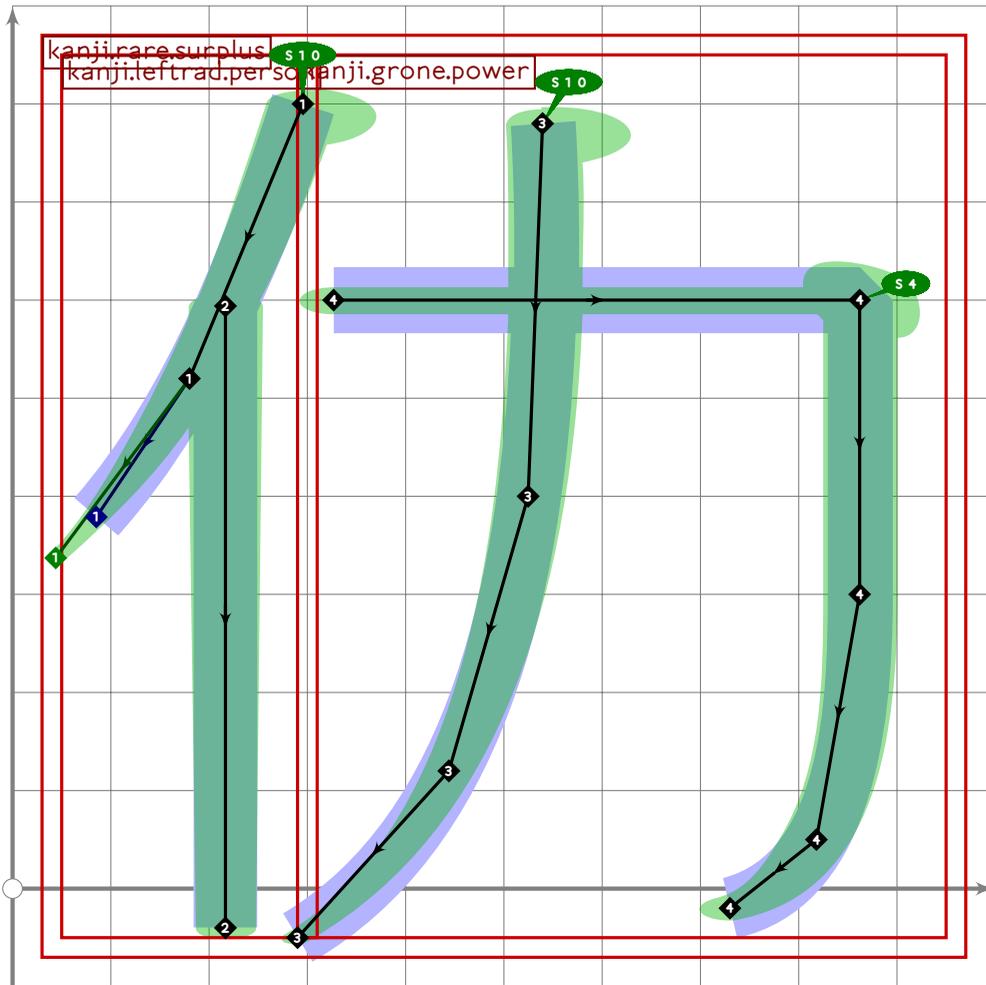
```

139
140 vardef kanji.grnine.offspring =
141   push_pbox_toexpand("kanji.grnine.offspring");
142   build_kanji.level(build_kanji.lr(300,20)
143     (kanji.leftrad.person)
144     (build_kanji.sscale(shifted (0,-30) yscaled 0.95)
145       (kanji.grone.child)));
146   expand_pbox;
147 enddef;
148
149

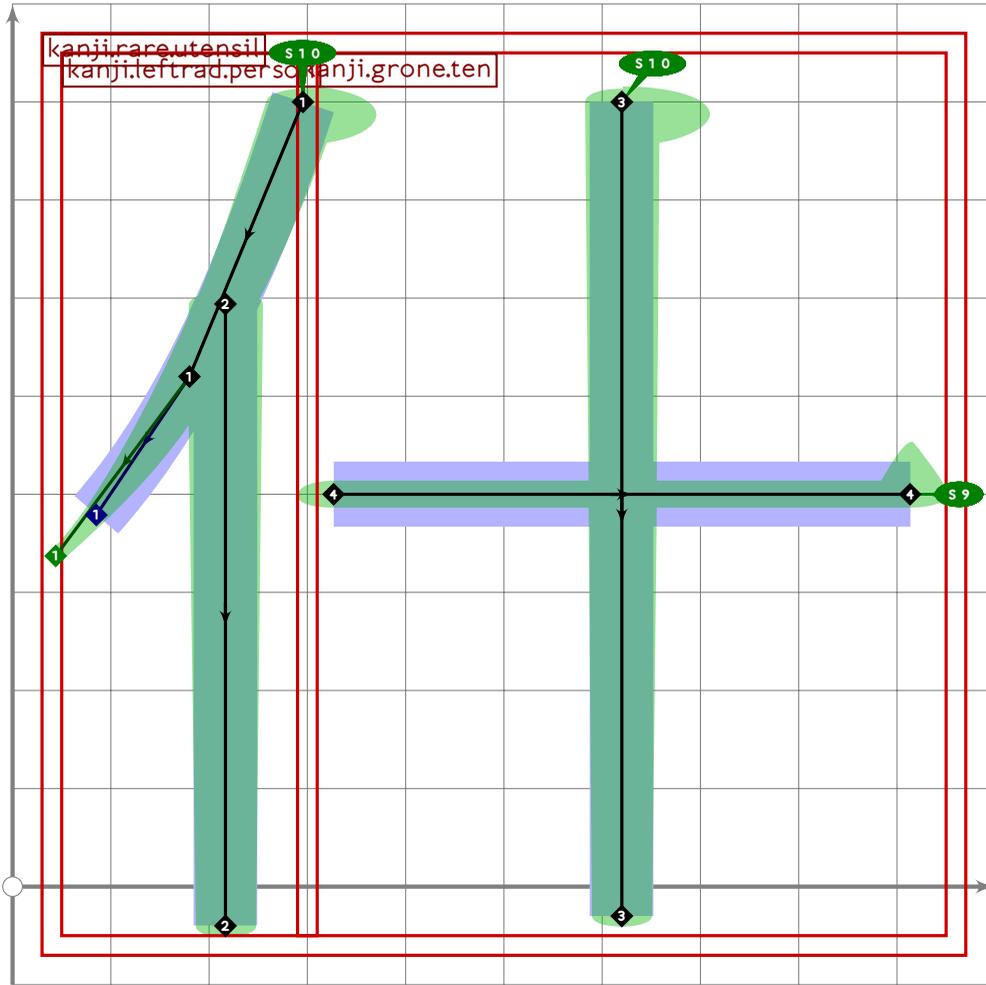
```



```
150  
151 vardef kanji.reference.enemy =  
152   push_pbox_toexpand("kanji.reference.enemy");  
153   build_kanji.lr(300,20)  
154     (kanji.leftrad.person)  
155     (kanji.grone.nine);  
156   expand_pbox;  
157 enddef;  
158  
159
```



```
160
161 vardef kanji.rare.surplus =
162   push_pbox_toexpand("kanji.rare.surplus");
163   build_kanji.lr(300,20)
164     (kanji.leftrad.person)
165     (kanji.grone.power);
166   expand_pbox;
167 enddef;
```



```

168
169 vardef kanji.rare.utensil =
170   push_pbox_toexpand("kanji.rare.utensil");
171   build_kanji.lr(300,20)
172     (kanji.leftrad.person)
173     (kanji.grone.ten);
174   expand_pbox;
175 enddef;
176
177 -----
178
179 % ichi/hito "one"
180 begintsuglyph("uni4E00";0); [see page 463]
181   kanji.grone.one;
182   tsu_render;
183 endsuglyph;
184
185 % chuu/hinoto: "street"; "counter for leaves or guns"; "fourth zodiac sign"
186 % Uwaa ! Skala-sensei, I don't *want* to stick a thumbtack in my wrist!
187 begintsuglyph("uni4E01";1); [see page 676]
188   kanji.grthree.thumbtack;

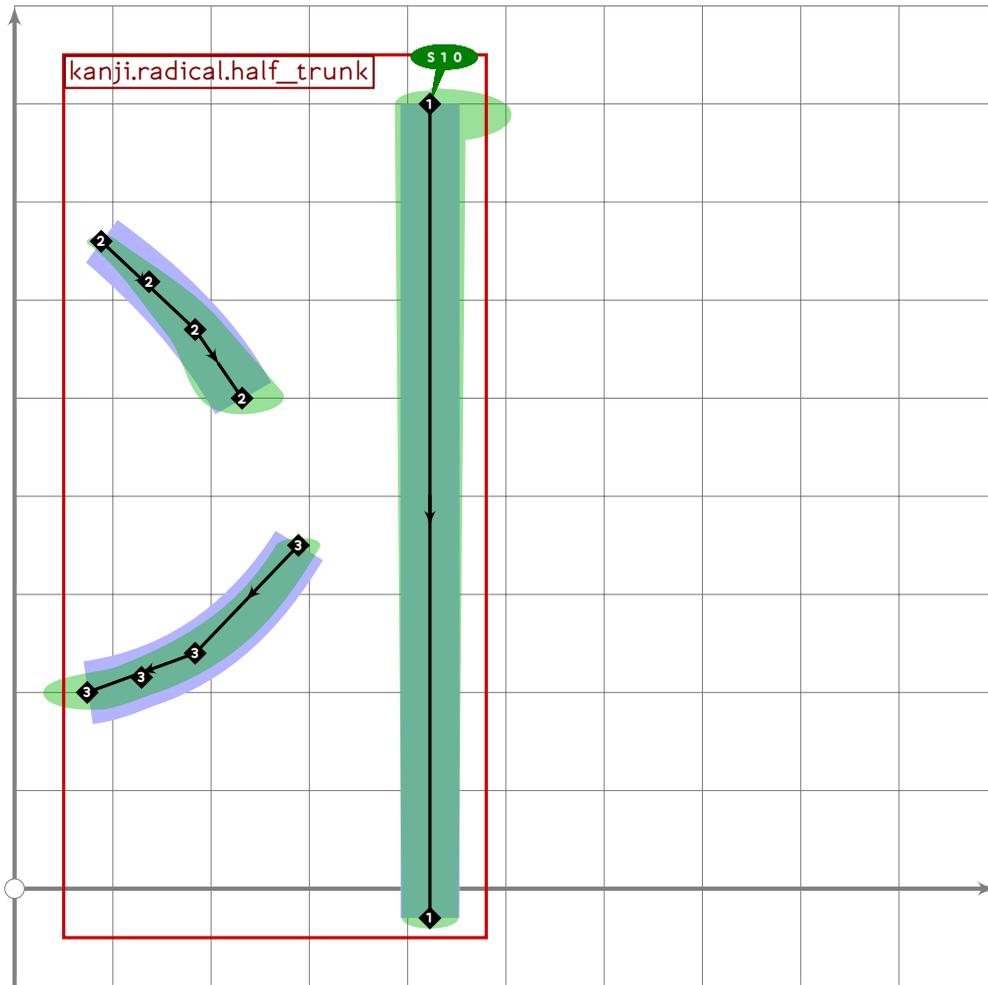
```

189 tsu_render;
 190 endtsuglyph;
 191
 192 % kou/samata "obstruction of breath"
 193 begintsuglyph("uni4E02";2); [see page 1081]
 194 kanji.rare.obstruction;
 195 tsu_render;
 196 endtsuglyph;
 197
 198 % nana/shichi "seven"
 199 begintsuglyph("uni4E03";3); [see page 475]
 200 kanji.grone.seven;
 201 tsu_render;
 202 endtsuglyph;
 203
 204 % man/yorozu "myriad"
 205 begintsuglyph("uni4E07";7); [see page 553]
 206 kanji.grtwo.myriad;
 207 tsu_render;
 208 endtsuglyph;
 209
 210 % san/mi "three"
 211 begintsuglyph("uni4E09";9); [see page 484]
 212 kanji.grone.three;
 213 tsu_render;
 214 endtsuglyph;
 215
 216 % ue/jyou "up"
 217 begintsuglyph("uni4E0A";10); [see page 486]
 218 kanji.grone.up;
 219 tsu_render;
 220 endtsuglyph;
 221
 222 % shita/ka "down"
 223 begintsuglyph("uni4E0B";11); [see page 433]
 224 kanji.grone.down;
 225 tsu_render;
 226 endtsuglyph;
 227
 228 % fu "non-"
 229 begintsuglyph("uni4E0D";13); [see page 731]
 230 kanji.grfour.non;
 231 tsu_render;
 232 endtsuglyph;
 233
 234 % yo/ata "give"
 235 begintsuglyph("uni4E0E";14); [see page 942]
 236 kanji.greight.give;

237 tsu_render;
 238 endtsuglyph;
 239
 240 % sho/ka "furthermore"
 241 begintsuglyph("uni4E14";20); [see page 941]
 242 kanji.greight.furthermore;
 243 tsu_render;
 244 endtsuglyph;
 245
 246 % hi/oo "glorious" (needed as part of other things)
 247 begintsuglyph("uni4E15";21); [see page 1063]
 248 kanji.rare.glorious;
 249 tsu_render;
 250 endtsuglyph;
 251
 252 % sei/sou "world"
 253 begintsuglyph("uni4E16";22); [see page 681]
 254 kanji.grthree.world;
 255 tsu_render;
 256 endtsuglyph;
 257
 258 % kyu/oka "hill"
 259 begintsuglyph("uni4E18";24); [see page 952]
 260 kanji.greight.knoll;
 261 tsu_render;
 262 endtsuglyph;
 263
 264 % hei/hinoe "third class or calendar sign"
 265 begintsuglyph("uni4E19";25); [see page 980]
 266 kanji.greight.third;
 267 tsu_render;
 268 endtsuglyph;
 269
 270 % ryo/teru "both," also a couple of different units of measure
 271 begintsuglyph("uni4E21";33); [see page 608]
 272 kanji.grthree.both;
 273 tsu_render;
 274 endtsuglyph;
 275
 276 % hei/nami "average"
 277 begintsuglyph("uni4E26";38); [see page 2035]
 278 kanji.grsix.average;
 279 tsu_render;
 280 endtsuglyph;
 281
 282 % extra "vertical line"
 283 begintsuglyph("uni4E28";40); [see page 896]
 284 kanji.radical.vline;

```
285 tsu_render;
286 endtsuglyph;
287
```

4E



288 % simplified "half trunk" used as character component

```
289 begintsuglyph("uni4E2C";44);
290 build_kanji.lr(480,0)(kanji.radical.half_trunk)();
291 tsu_render;
292 endtsuglyph;
```

293

294 % naka/chuu "middle"

```
295 begintsuglyph("uni4E2D";45);
296 kanji.grone.middle;
297 tsu_render;
298 endtsuglyph;
```

[see page 456]

299

300 % maru "circle"

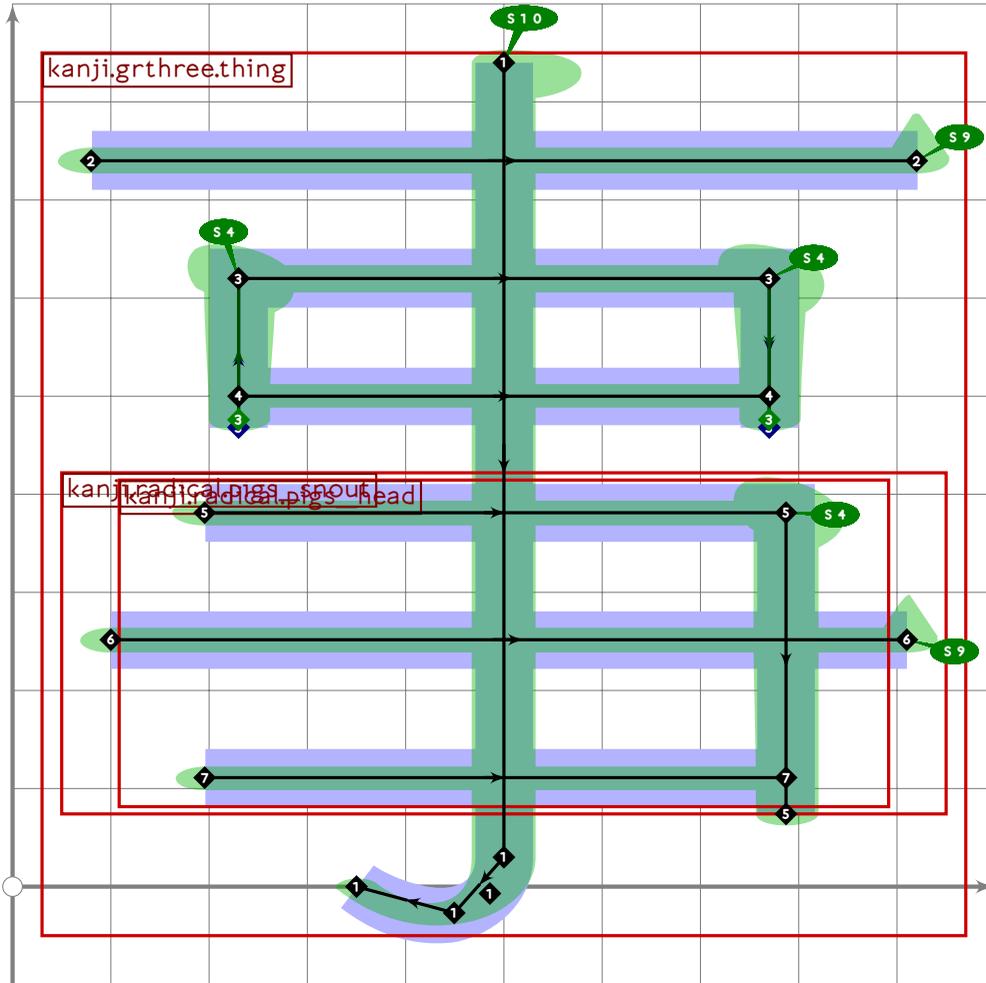
```
301 begintsuglyph("uni4E38";56);
302 kanji.grtwo.circle;
303 tsu_render;
304 endtsuglyph;
```

[see page 503]

305

306 % shu/nushi "master"
 307 begintsuglyph("uni4E3B",59); [see page 650]
 308 kanji.grthree.master;
 309 tsu_render;
 310 endtsuglyph;
 311
 312 % kyuu/hisa "long time" (as in "hisashiburi")
 313 begintsuglyph("uni4E45",69); [see page 788]
 314 kanji.grfive.long_time;
 315 tsu_render;
 316 endtsuglyph;
 317
 318 % diagonal stroke (like katakana "no") for use in decomposition dictionary
 319 begintsuglyph("uni4E3F",63); [see page 874]
 320 kanji.radical.katakana_no;
 321 tsu_render;
 322 endtsuglyph;
 323
 324 % sa/naga "notwithstanding" (needed for tsuku "make")
 325 begintsuglyph("uni4E4D",77); [see page 1079]
 326 kanji.rare.notwithstanding;
 327 tsu_render;
 328 endtsuglyph;
 329
 330 % shou/no "ride"
 331 begintsuglyph("uni4E57",87); [see page 668]
 332 kanji.grthree.ride;
 333 tsu_render;
 334 endtsuglyph;
 335
 336 % extra (needed as component)
 337 begintsuglyph("uni4E5A",90); [see page 1078]
 338 kanji.rare.mysterious;
 339 tsu_render;
 340 endtsuglyph;
 341
 342 % kyuu/kokono "nine"
 343 begintsuglyph("uni4E5D",93); [see page 461]
 344 kanji.grone.nine;
 345 tsu_render;
 346 endtsuglyph;
 347
 348 % ya/nari "to be" (archaic)
 349 begintsuglyph("uni4E5F",95); [see page 1024]
 350 kanji.grnine.to_be;
 351 tsu_render;
 352 endtsuglyph;
 353

354 % ran/mida "riot"	
355 begintsuglyph("uni4E71",113);	[see page 2038]
356 kanji.grsix.riot;	
357 tsu_render;	
358 endtsuglyph;	
359	
360 % nyuu/chichi "milk"	
361 begintsuglyph("uni4E73",115);	[see page 2037]
362 kanji.grsix.milk;	
363 tsu_render;	
364 endtsuglyph;	
365	
366 % ryou "completion"	
367 begintsuglyph("uni4E86",134);	[see page 928]
368 kanji.greight.completion;	
369 tsu_render;	
370 endtsuglyph;	
371	
372 % yo/arakaji "before"	
373 begintsuglyph("uni4E88",136);	[see page 604]
374 kanji.grthree.before;	
375 tsu_render;	
376 endtsuglyph;	
377	
378 % sou/ika "dispute"	
379 begintsuglyph("uni4E89",137);	[see page 702]
380 kanji.grfour.dispute;	
381 tsu_render;	
382 endtsuglyph;	
383	



```

384 % ji/koto "thing"
385 begintsuglyph("uni4E8B";139);
386 kanji.grthree.thing;
387 tsu_render;
388 endtsuglyph;
389
390 % ni/futa "two"
391 begintsuglyph("uni4E8C";140);
392 kanji.grone.two;
393 tsu_render;
394 endtsuglyph;
395
396 % u "deficient"
397 begintsuglyph("uni4E8F";143);
398 kanji.rare.deficient;
399 tsu_render;
400 endtsuglyph;
401
402 % un/i "say"
403 begintsuglyph("uni4E91";145);
404 kanji.grnine.declaim;

```

[see page 485]

[see page 1052]

[see page 995]

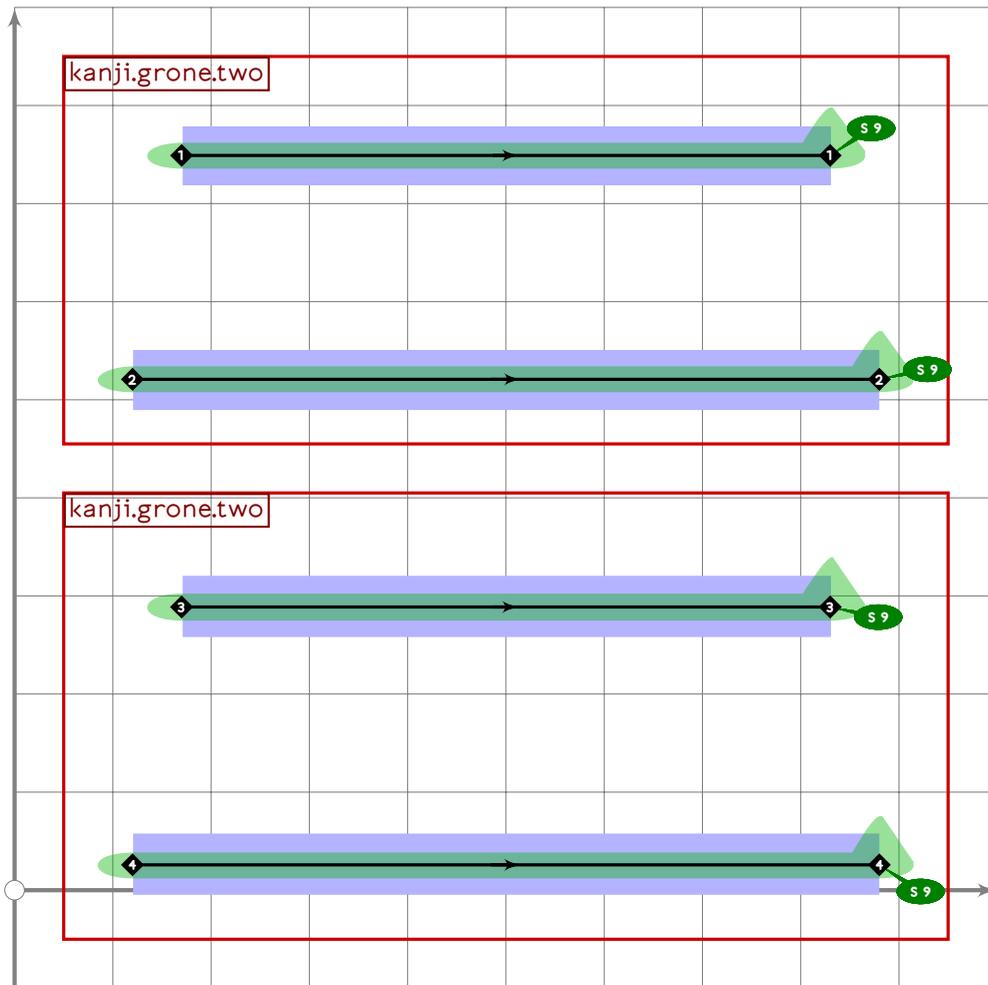
```

405 tsu_render;
406 endtsuglyph;
407
408 % go/itsu "five"
409 begintsuglyph("uni4E94";148);
410 kanji.grone.five;
411 tsu_render;
412 endtsuglyph;
413
414 % sei/i "well" (water supply)
415 begintsuglyph("uni4E95";149);
416 kanji.grfour.well;
417 tsu_render;
418 endtsuglyph;
419

```

[see page 441]

[see page 763]



```

420 % extra
421 begintsuglyph("uni4E96";150);
422 build_kanji.tb(430;50)
423 (kanji.grone.two)
424 (kanji.grone.two);
425 tsu_render;

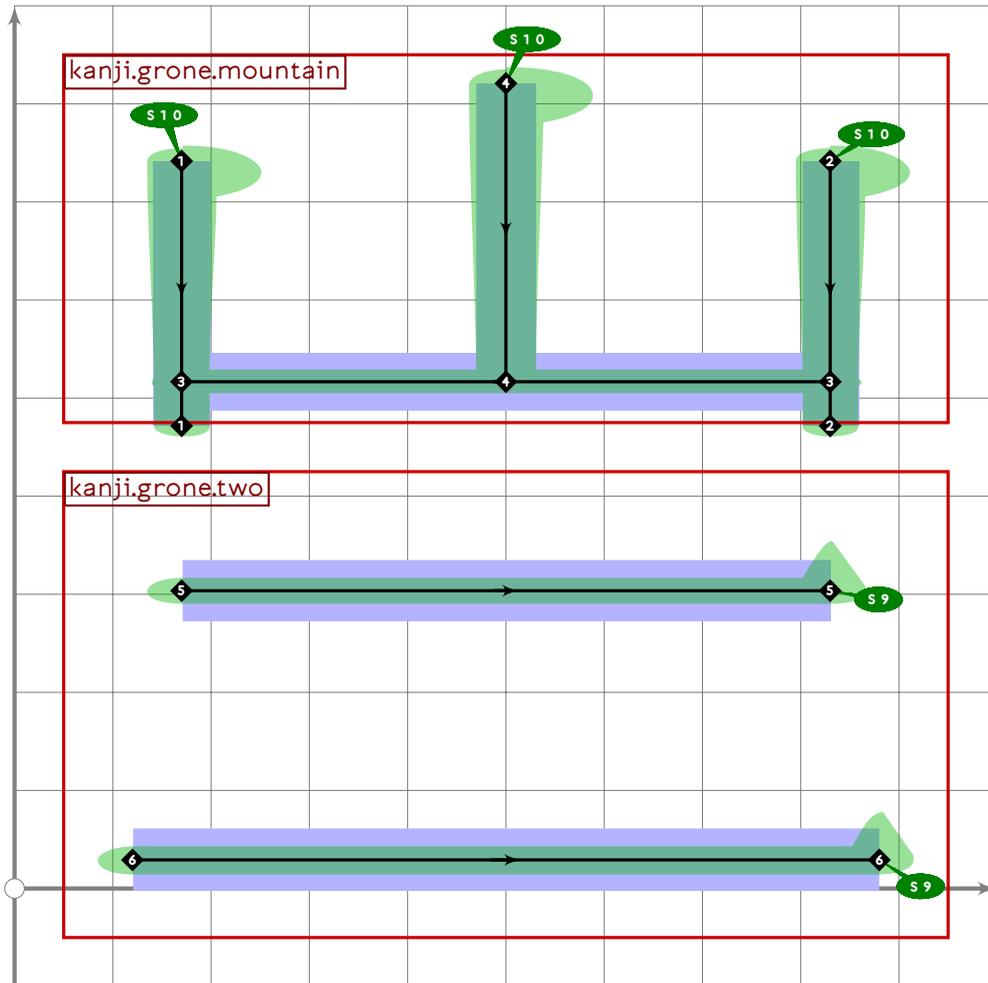
```

U+4E97
tsuku.uni4E97

426 endtsuglyph;

427

4E



428 % extra

429 begintsuglyph("uni4E97";151);

430 build_kanji.tb(450;50)

431 (kanji.grone.mountain)

432 (kanji.grone.two);

433 tsu_render;

434 endtsuglyph;

435

436 % a/tsu "sub-" (also, "-ous, lower oxidation state")

437 begintsuglyph("uni4E9C";156);

[see page 964]

438 kanji.greight.prefix_sub;

439 tsu_render;

440 endtsuglyph;

441

442 % not in dictionaries but needed for grfour.extremely

443 begintsuglyph("uni4E9F";159);

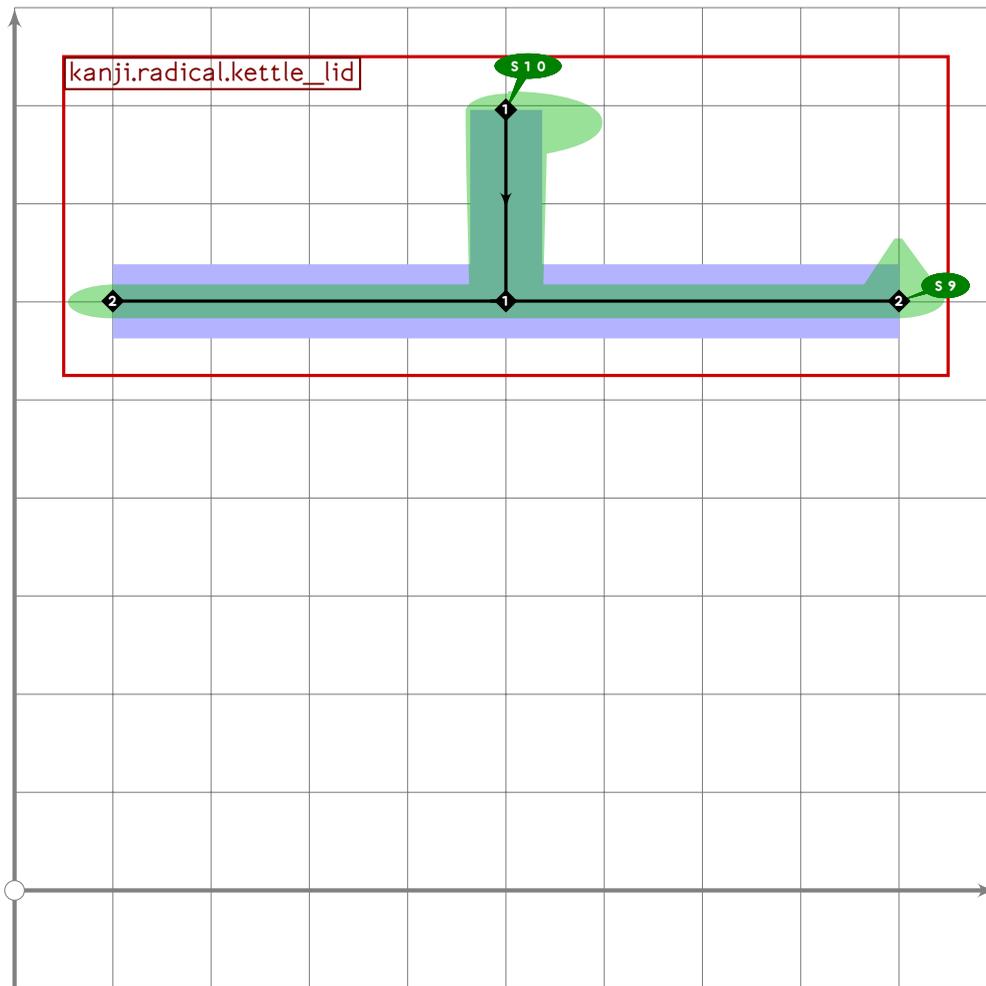
[see page 1060]

444 kanji.rare.extremely;

445 tsu_render;

446 endtsuglyph;

447



4E

```

448 % "kettle lid radical"
449 begintsuglyph("uni4EA0";160);
450   build_kanji.tb(500;50)
451     (kanji.radical.kettle_lid)
452     ();
453   tsu_render;
454 endtsuglyph;
455
456 % bou/na "dead"
457 begintsuglyph("uni4EA1";161);
458   kanji.grsix.dead;
459   tsu_render;
460 endtsuglyph;
461
462 % kou/takaburu "high spirits"
463 begintsuglyph("uni4EA2";162);
464   kanji.rare.high_spirits;
465   tsu_render;
466 endtsuglyph;
467

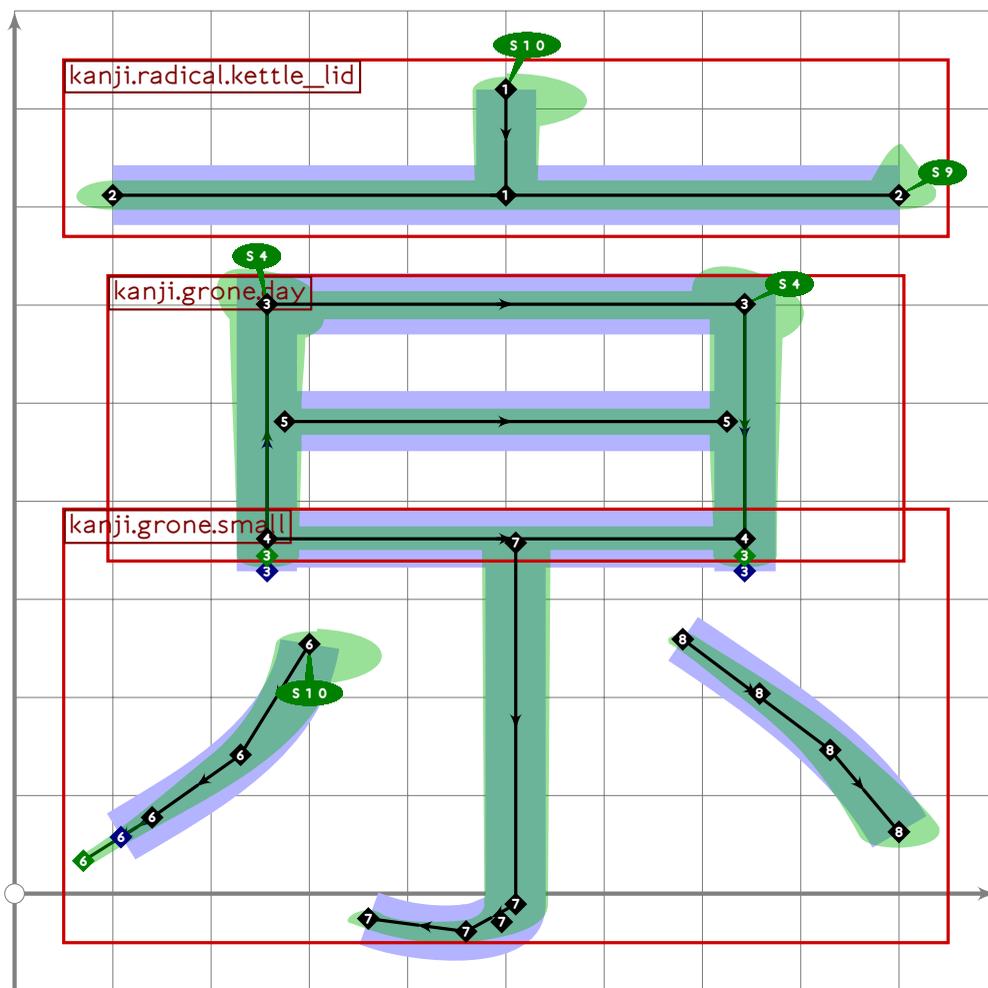
```

[see page 822]

[see page 1065]

468 % kou/maji "mix"
 469 `begintsuglyph("uni4EA4";164);` [see page 550]
 470 `kanji.grtwo.mix;`
 471 `tsu_render;`
 472 `endtsuglyph;`
 473
 474 % eki/mata "again"
 475 `begintsuglyph("uni4EA6";166);` [see page 987]
 476 `kanji.grnine.again;`
 477 `tsu_render;`
 478 `endtsuglyph;`
 479
 480 % kou "undergo" (rarer form)
 481 `begintsuglyph("uni4EA8";168);` [see page 1029]
 482 `kanji.grnine.undergo;`
 483 `tsu_render;`
 484 `endtsuglyph;`
 485
 486 % kyou "undergo" (more common form)
 487 `begintsuglyph("uni4EAB";171);` [see page 985]
 488 `kanji.greight.undergo;`
 489 `tsu_render;`
 490 `endtsuglyph;`
 491
 492 % kyou "capital"
 493 `begintsuglyph("uni4EAC";172);` [see page 500]
 494 `kanji.grtwo.capital;`
 495 `tsu_render;`
 496 `endtsuglyph;`
 497
 498 % tei "head of household"
 499 `begintsuglyph("uni4EAD";173);` [see page 947]
 500 `kanji.greight.head_of_household;`
 501 `tsu_render;`
 502 `endtsuglyph;`

503–504

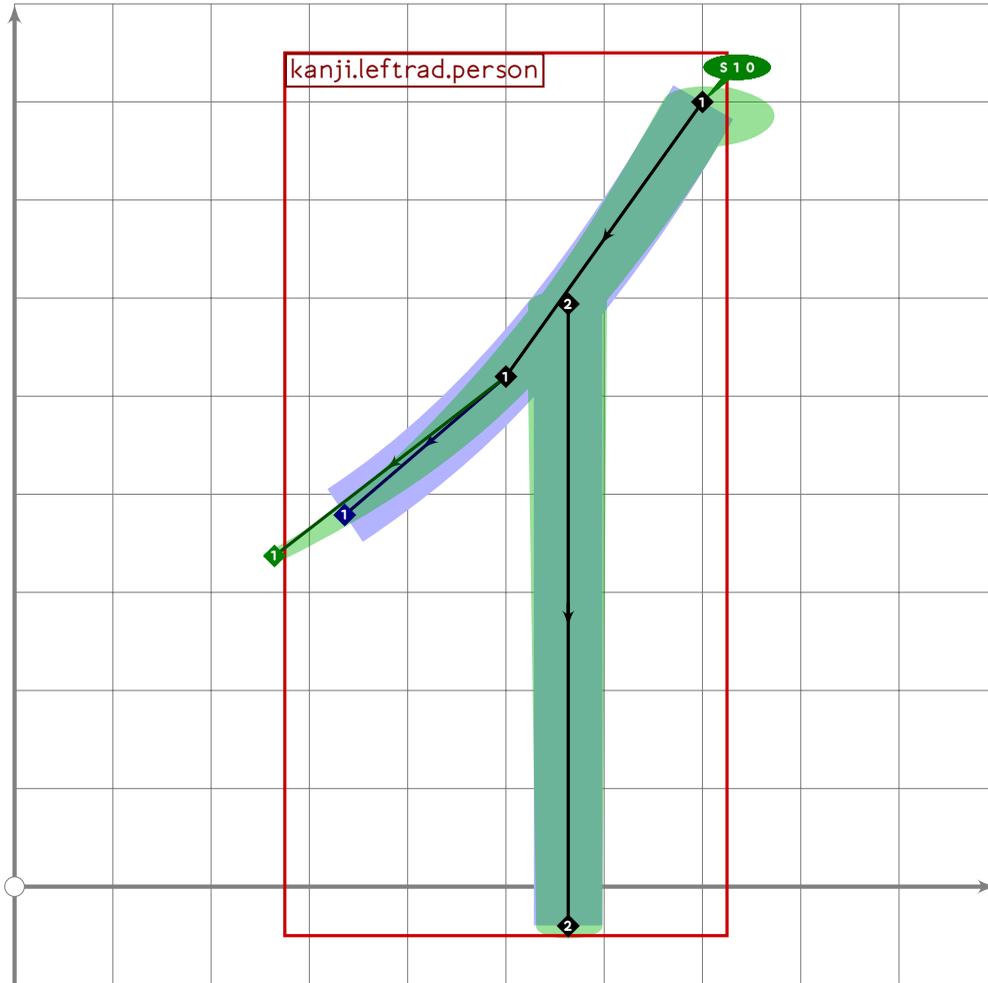


```

505 % extra "capital"
506 begintsuglyph("uni4EBO",176);
507   build_kanji.level(build_kanji.tb(650,-40)
508     (kanji.radical.kettle_lid)
509     (build_kanji.tb(500,70)
510       (build_kanji.sscale(xscaled 0.9)(kanji.grone.day))
511       (kanji.grone.small)));
512   set_boserif(-1,0,whatever);
513   tsu_render;
514 endtsuglyph;
515
516 % hito/jin "person"
517 begintsuglyph("uni4EBA",186);
518   kanji.grone.person;
519   tsu_render;
520 endtsuglyph;
521

```

[see page 466]



```

522 % hito/jin "person" as radical
523 begintsuglyph("uni4EBB";187);
524 build_kanji.sscale(xscaled 0.5)(kanji.leftrad.person);
525 tsu_render;
526 endtsuglyph;
527
528 % juu "utensil"
529 begintsuglyph("uni4EC0";192);
530 kanji.rare.utensil;
531 tsu_render;
532 endtsuglyph;
533
534 % jin "benevolence"
535 begintsuglyph("uni4EC1";193);
536 kanji.grsix.benevolence;
537 tsu_render;
538 endtsuglyph;
539
540 % "surplus or excess"
541 begintsuglyph("uni4EC2";194);
542 kanji.rare.surplus;

```

[see page 2042]

[see page 2036]

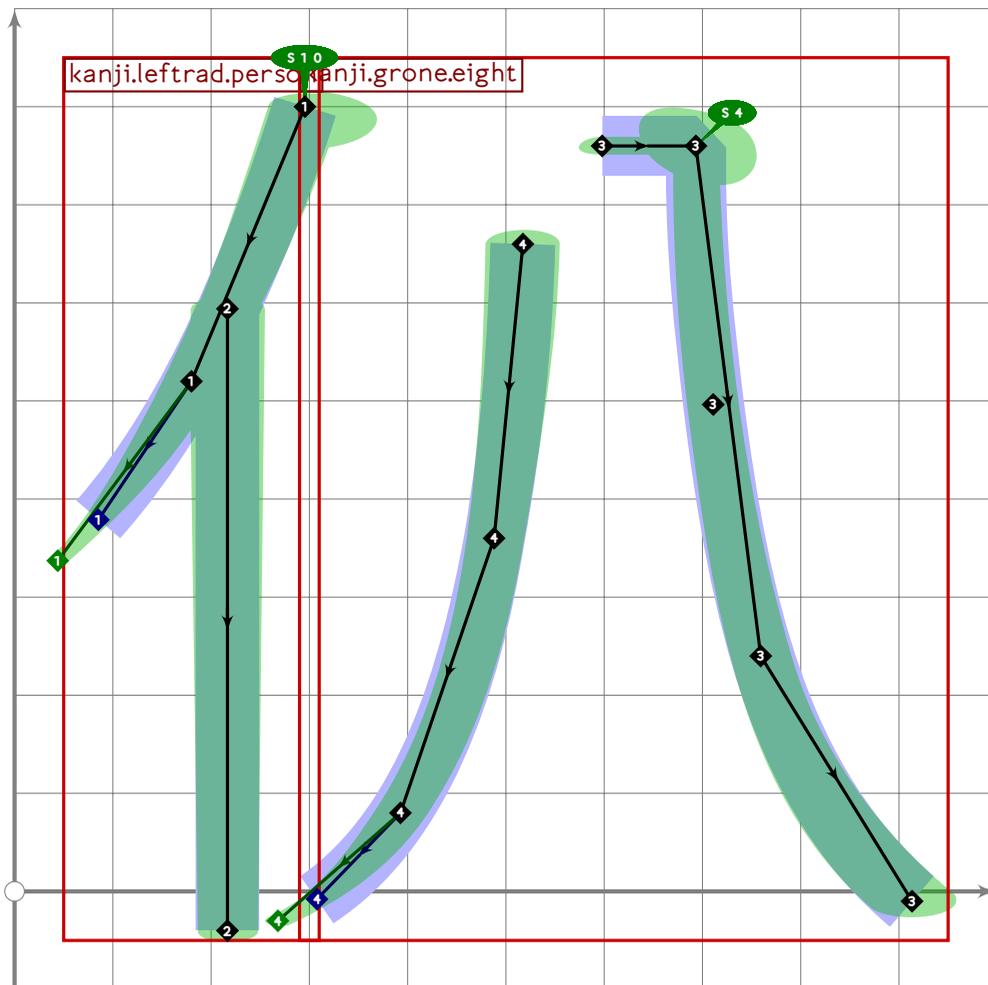
[see page 2041]

```

543 tsu_render;
544 endtsuglyph;
545
546 % ada "enemy"
547 begintsuglyph("uni4EC7";199);
548 kanji.reference.enemy;
549 tsu_render;
550 endtsuglyph;
551

```

[see page 2040]



```

552 % extra
553 begintsuglyph("uni4EC8";200);
554 build_kanji.lr(300,20)
555   (kanji.leftrad.person)
556   (kanji.grone.eight);
557 tsu_render;
558 endtsuglyph;
559
560 % kon/ima "now"
561 begintsuglyph("uni4ECA";202);
562 kanji.grtwo.now;
563 tsu_render;

```

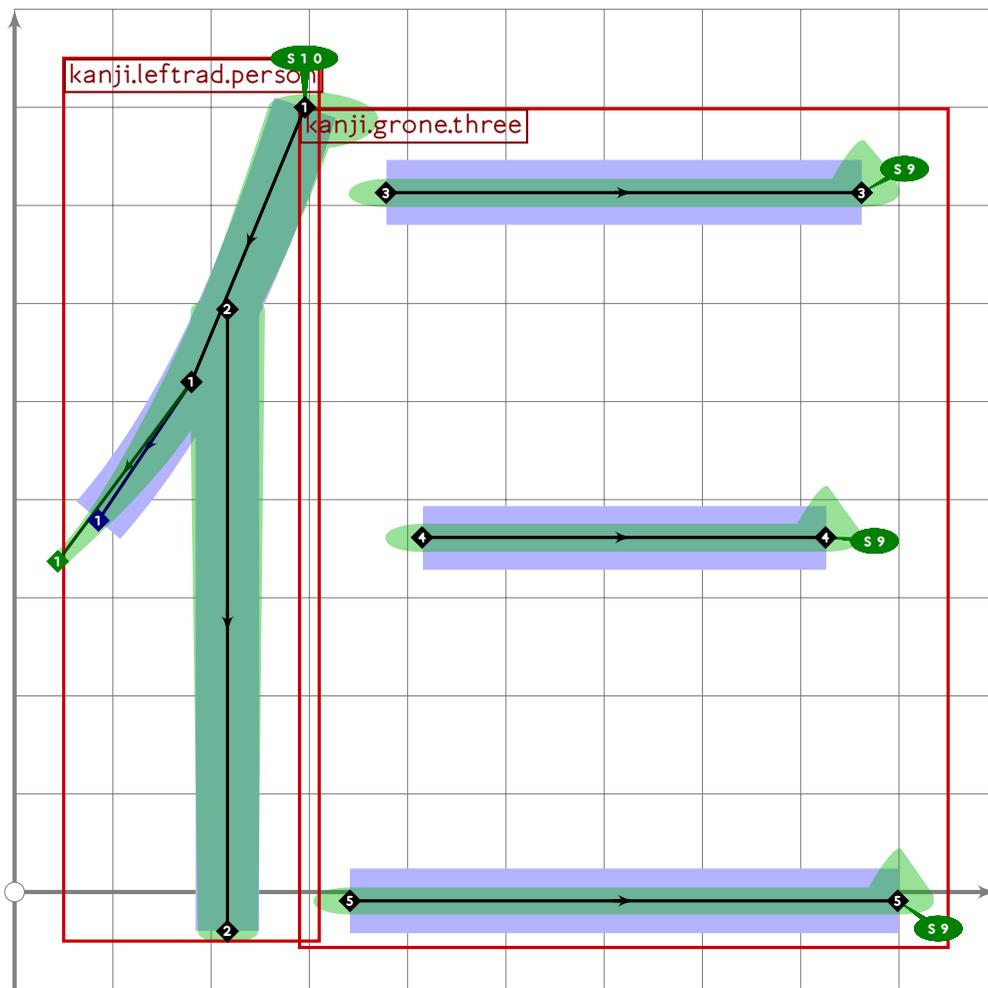
[see page 558]

564 endtsuglyph;
 565
 566 % kai "mediate"
 567 begintsuglyph("uni4ECB";203); [see page 954]
 568 kanji.greight.mediate;
 569 tsu_render;
 570 endtsuglyph;
 571
 572 % futsu/hotoke "France" or "Buddha"
 573 begintsuglyph("uni4ECF";207); [see page 2033]
 574 kanji.grfive.france;
 575 tsu_render;
 576 endtsuglyph;
 577
 578 % ko "offspring"
 579 begintsuglyph("uni4ED4";212); [see page 2039]
 580 kanji.grnine.offspring;
 581 tsu_render;
 582 endtsuglyph;
 583
 584 % shi/tsuka "serve"
 585 begintsuglyph("uni4ED5";213); [see page 2030]
 586 kanji.grthree.serve;
 587 tsu_render;
 588 endtsuglyph;
 589
 590 % ta/hoka "other"
 591 begintsuglyph("uni4ED6";214); [see page 658]
 592 kanji.grthree.other;
 593 tsu_render;
 594 endtsuglyph;
 595
 596 % fu/tsu "attach"
 597 begintsuglyph("uni4ED8";216); [see page 687]
 598 kanji.grfour.attach;
 599 tsu_render;
 600 endtsuglyph;
 601
 602 % sen "wizard"
 603 begintsuglyph("uni4ED9";217); [see page 986]
 604 kanji.greight.wizard;
 605 tsu_render;
 606 endtsuglyph;
 607
 608 % dai/kawa "generation"
 609 begintsuglyph("uni4EE3";227); [see page 634]
 610 kanji.grthree.generation;
 611 tsu_render;

```

612 endtsuglyph;
613
614 % rei "orders" (but usually part of honorific titles for family members)
615 begintsuglyph("uni4EE4";228); [see page 736]
616   kanji.grfour.orders;
617   tsu_render;
618 endtsuglyph;
619
620 % i/mo(tsu) "because" or "with regard to"
621 begintsuglyph("uni4EE5";229); [see page 686]
622   kanji.grfour.as;
623   tsu_render;
624 endtsuglyph;
625

```



```

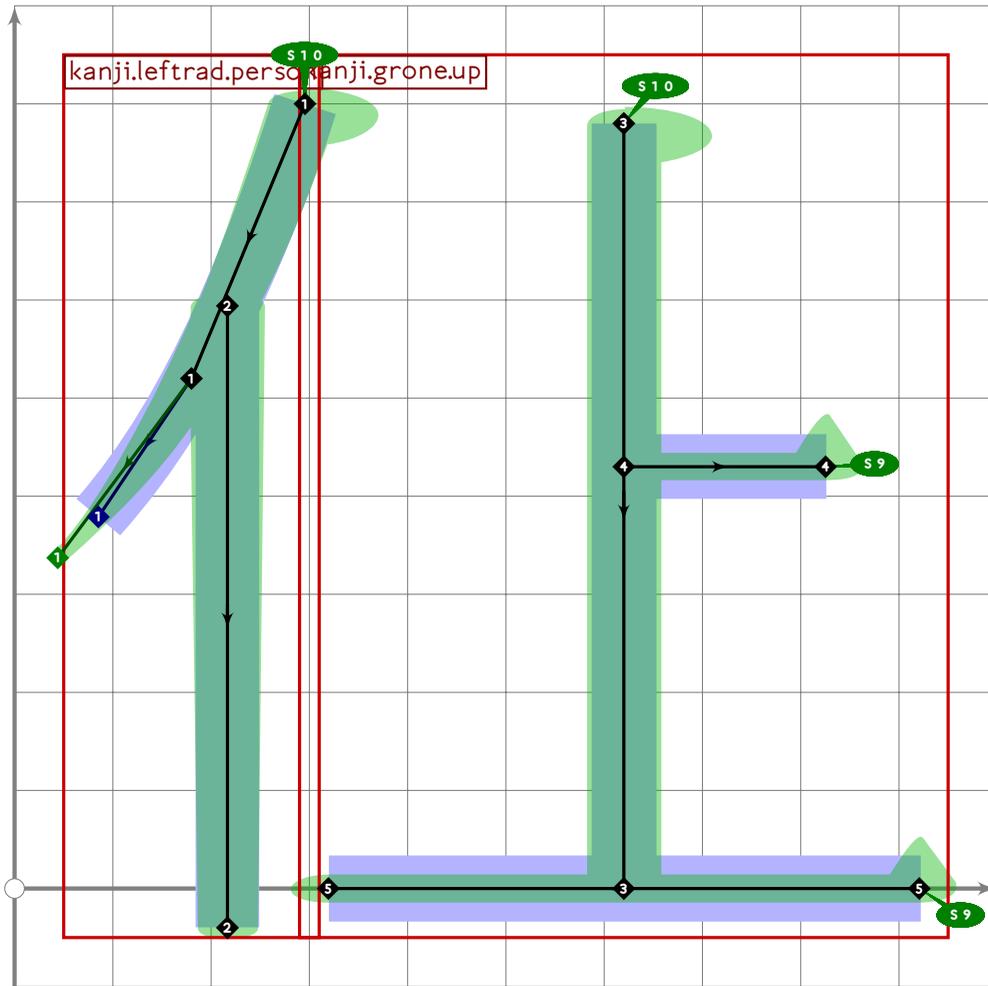
626 % extra
627 begintsuglyph("uni4EE8";232);
628   build_kanji.lr(300,20)
629     (kanji.leftrad.person)
630     (build_kanji.sscale(shifted (0,-30) yscaled 0.95)
631       (kanji.grone.three));
632   tsu_render;

```

633 endsuglyph;

634

4E



635 % extra

636 begintsuglyph("uni4EE9";233);

637 build_kanji.lr(300,20)

638 (kanji.leftrad.person)

639 (kanji.grone.up);

640 tsu_render;

641 endsuglyph;

642

643 % ka/kari "temporary"

644 begintsuglyph("uni4EEE";238);

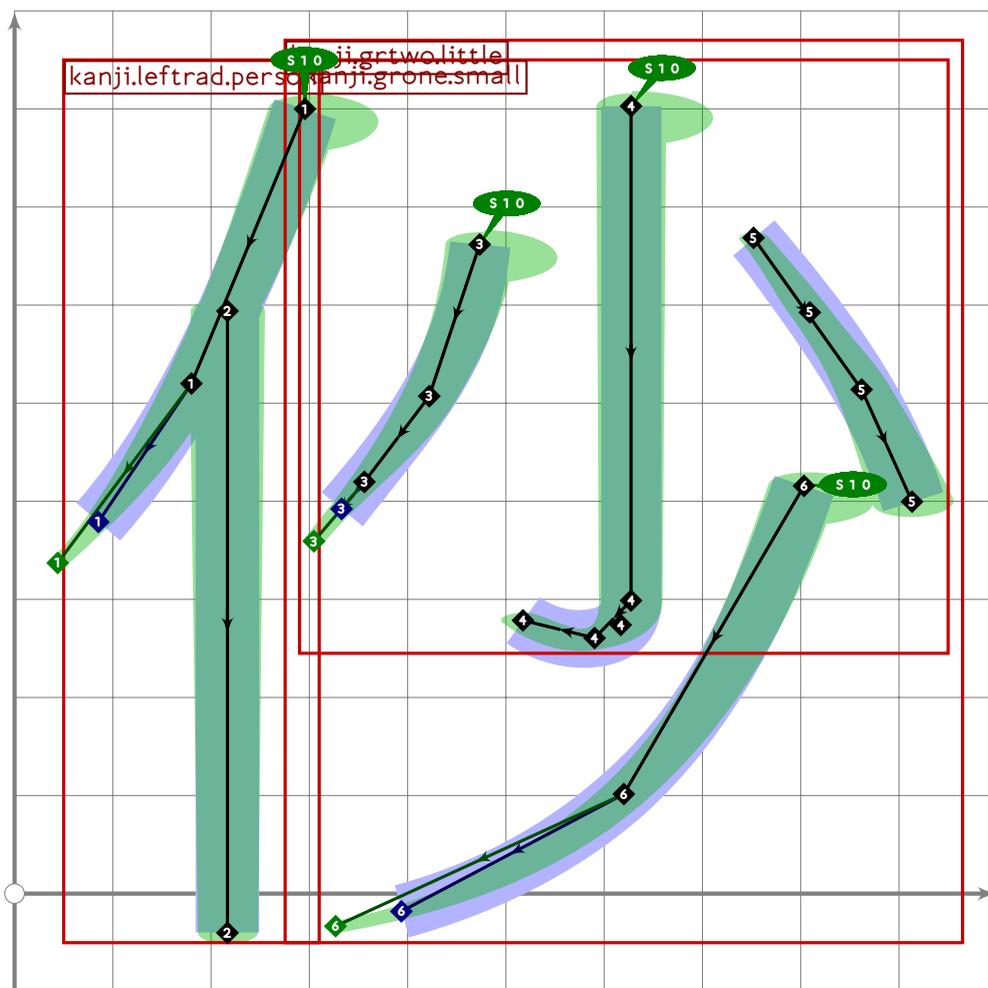
645 kanji.grfive.temporary;

646 tsu_render;

647 endsuglyph;

648

[see page 2034]

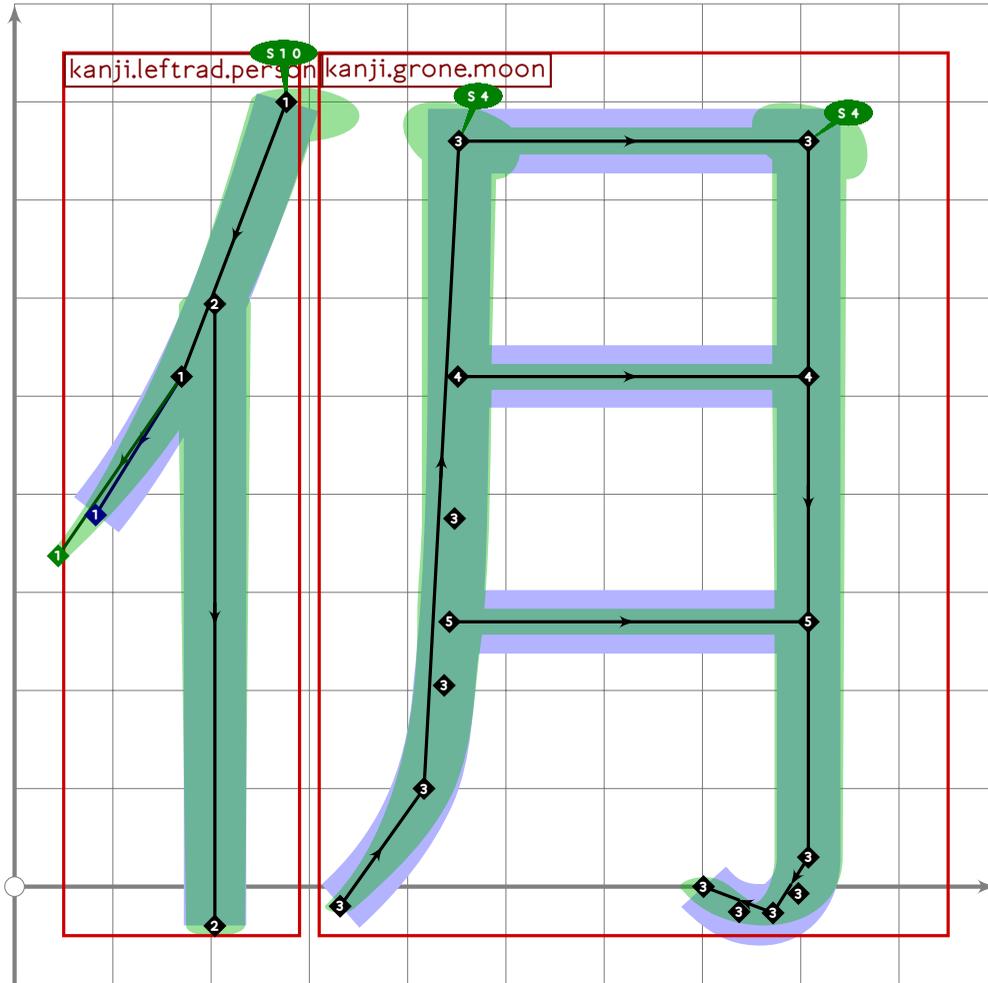


```

649 % extra
650 begintsuglyph("uni4EEF",239);
651   build_kanji.lr(300,20)
652     (kanji.leftrad.person)
653     (kanji.grtwo.little);
654   tsu_render;
655 endtsuglyph;
656
657 % naka/chuu "go-between"
658 begintsuglyph("uni4EF2",242);
659   kanji.grfour.go_between;
660   tsu_render;
661 endtsuglyph;
662

```

[see page 2031]



```

663 % extra
664 begintsuglyph("uni4EF4";244);
665   build_kanji.lr(300;20)
666     (kanji.leftrad.person)
667     (kanji.grone.moon);
668   tsu_render;
669 endtsuglyph;
670
671 % ken/kudan "affair"
672 begintsuglyph("uni4EF6";246);
673   kanji.grfive.affair;
674   tsu_render;
675 endtsuglyph;
676
677 % nin/maka "responsibility"
678 begintsuglyph("uni4EFB";251);
679   kanji.grfive.responsibility;
680   tsu_render;
681 endtsuglyph;
682
683

```

[see page 2032]

[see page 801]

684

685 endfont;

686

687

tsuku-4f.mp

4F

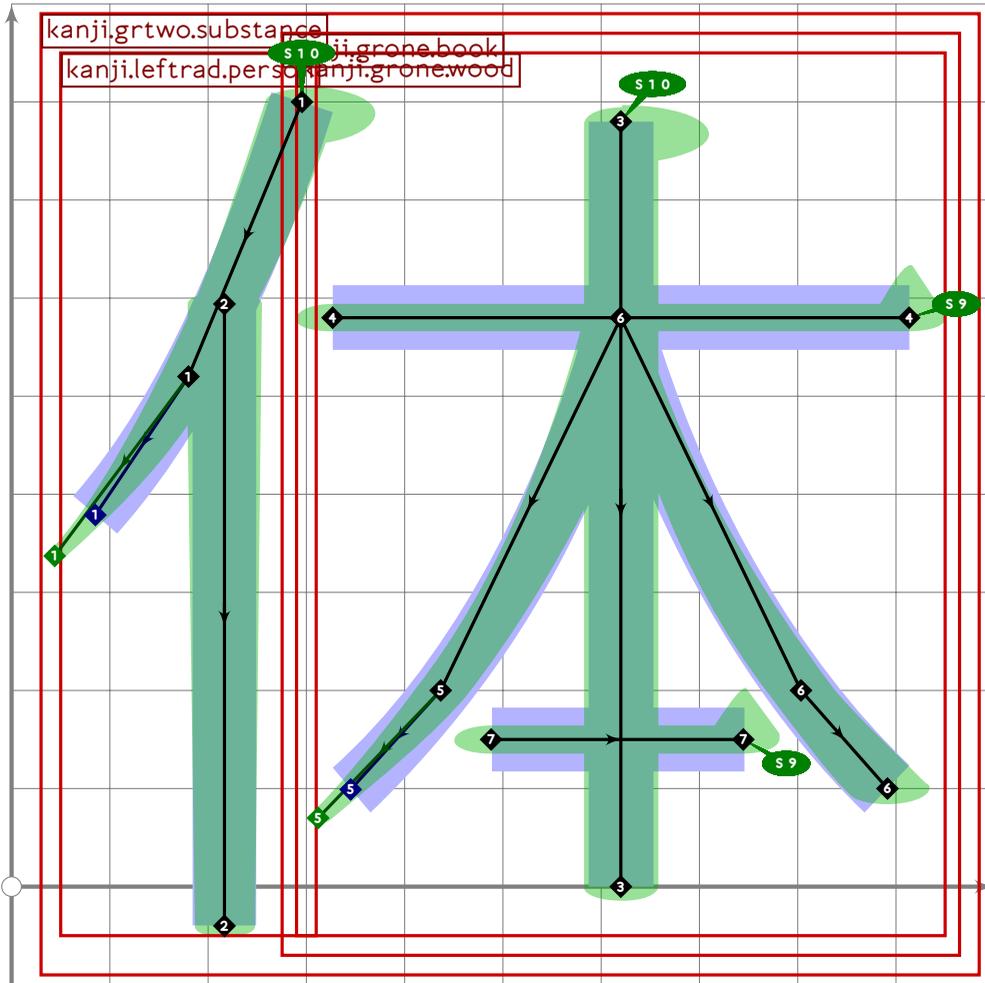
```
1 %
2 % Unicode page 4F (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017, 2021 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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 

---

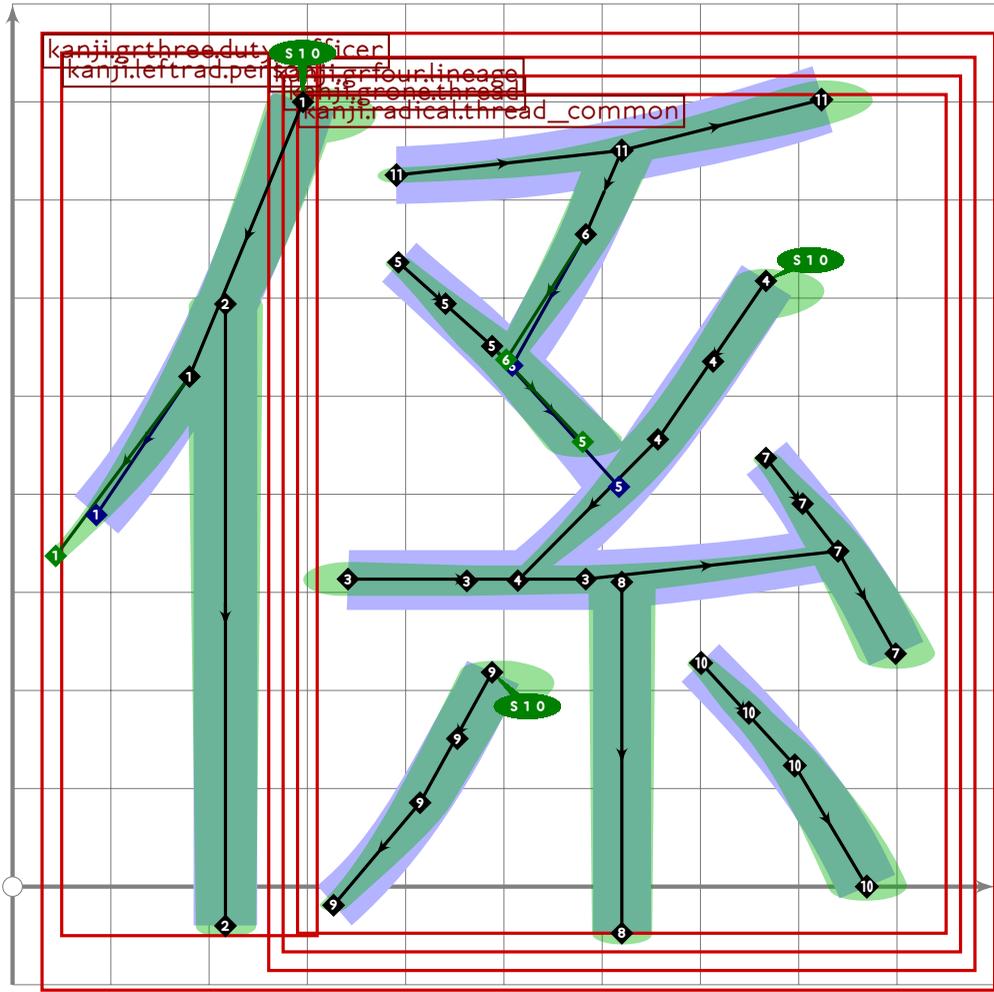

```



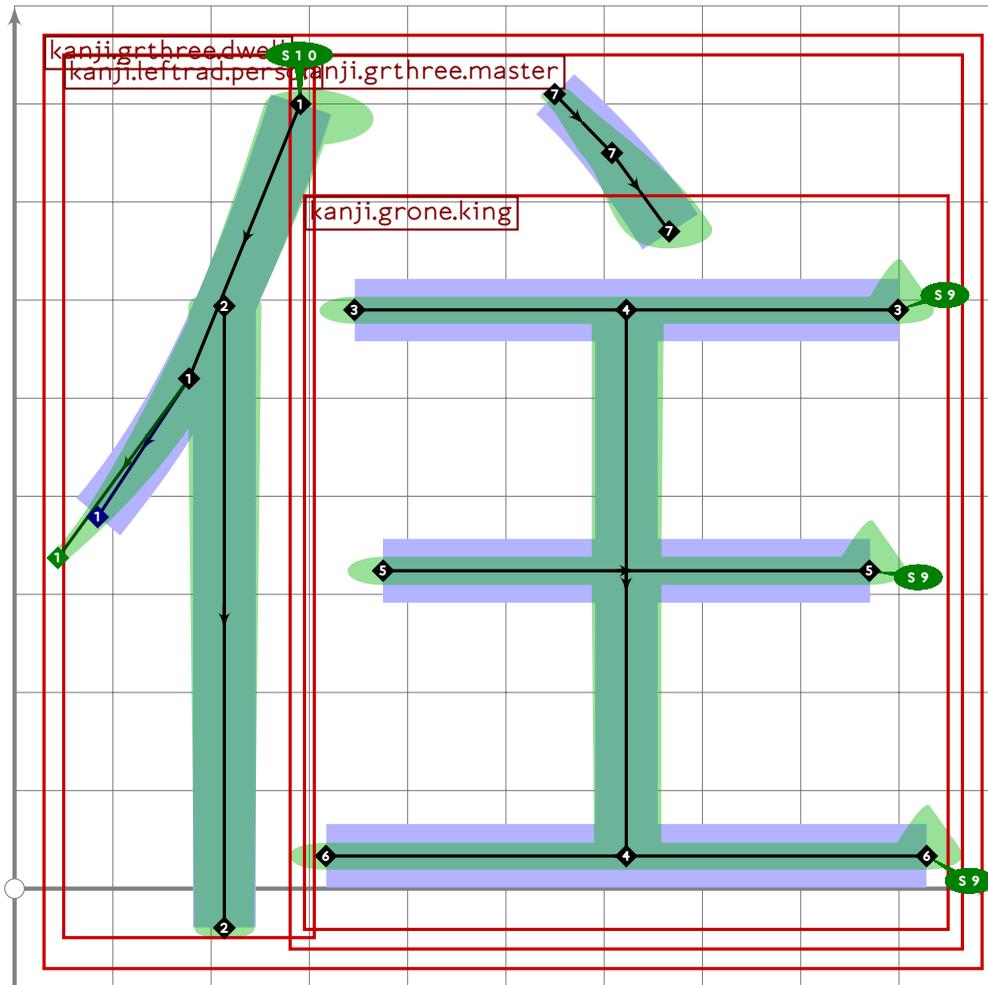
4F

```
55  
56 vardef kanji.grtwo.substance =  
57   push_pbox_toexpand("kanji.grtwo.substance");  
58   build_kanji.lr(300,20)  
59     (kanji.leftrad.person)  
60     (kanji.grone.book);  
61   expand_pbox;  
62 enddef;  
63  
64
```

4F



```
65  
66 vardef kanji.grthree.duty_officer =  
67   push_pbox_toexpand("kanji.grthree.duty_officer");  
68   build_kanji.lr(300,20)  
69     (kanji.leftrad.person)  
70     (tsu_xform(identity yscaled 0.95)(kanji.grfour.lineage));  
71   expand_pbox;  
72 enddef;
```

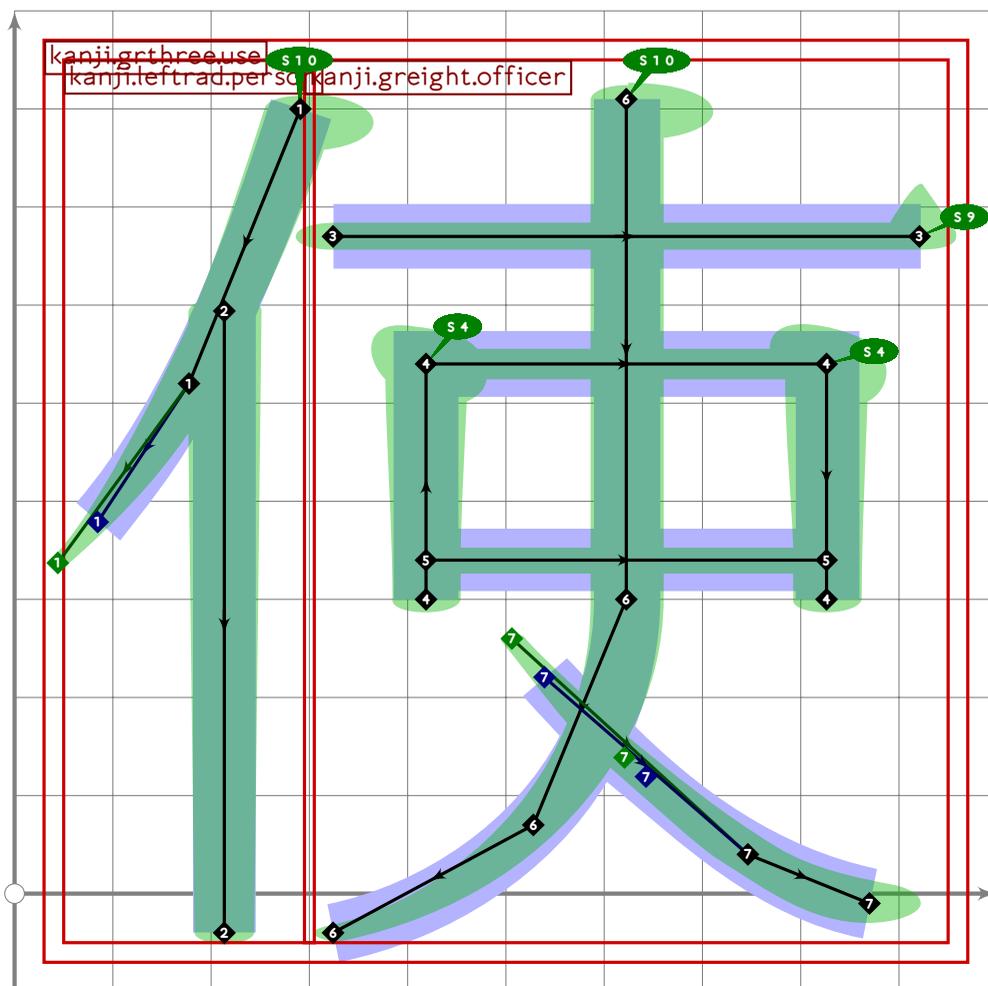


4F

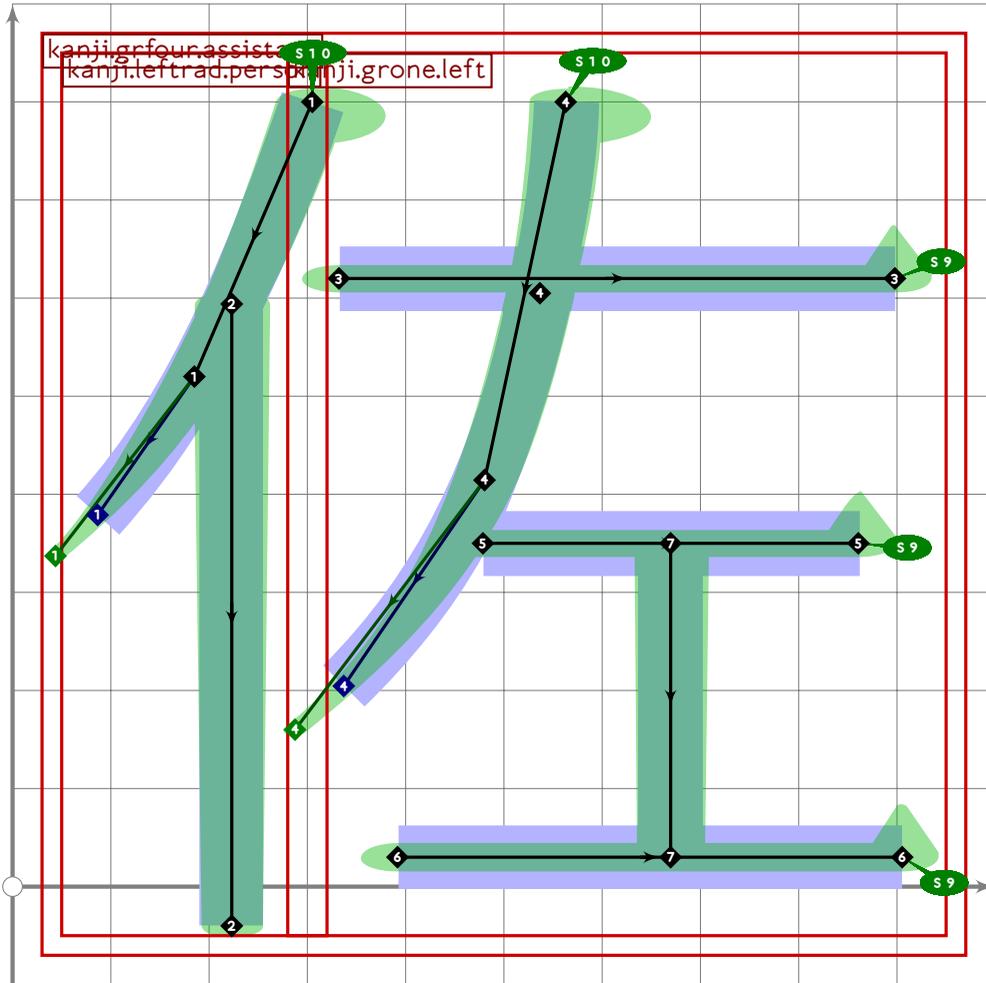
```
73  
74 vardef kanji.grthree.dwell =  
75   push_pbox_toexpand("kanji.grthree.dwell");  
76   build_kanji.lr(300,10)  
77     (kanji.leftrad.person)  
78     (kanji.grthree.master);  
79   expand_pbox;  
80 enddef;
```

U+4F7F
tsuku.uni4F7F

4F

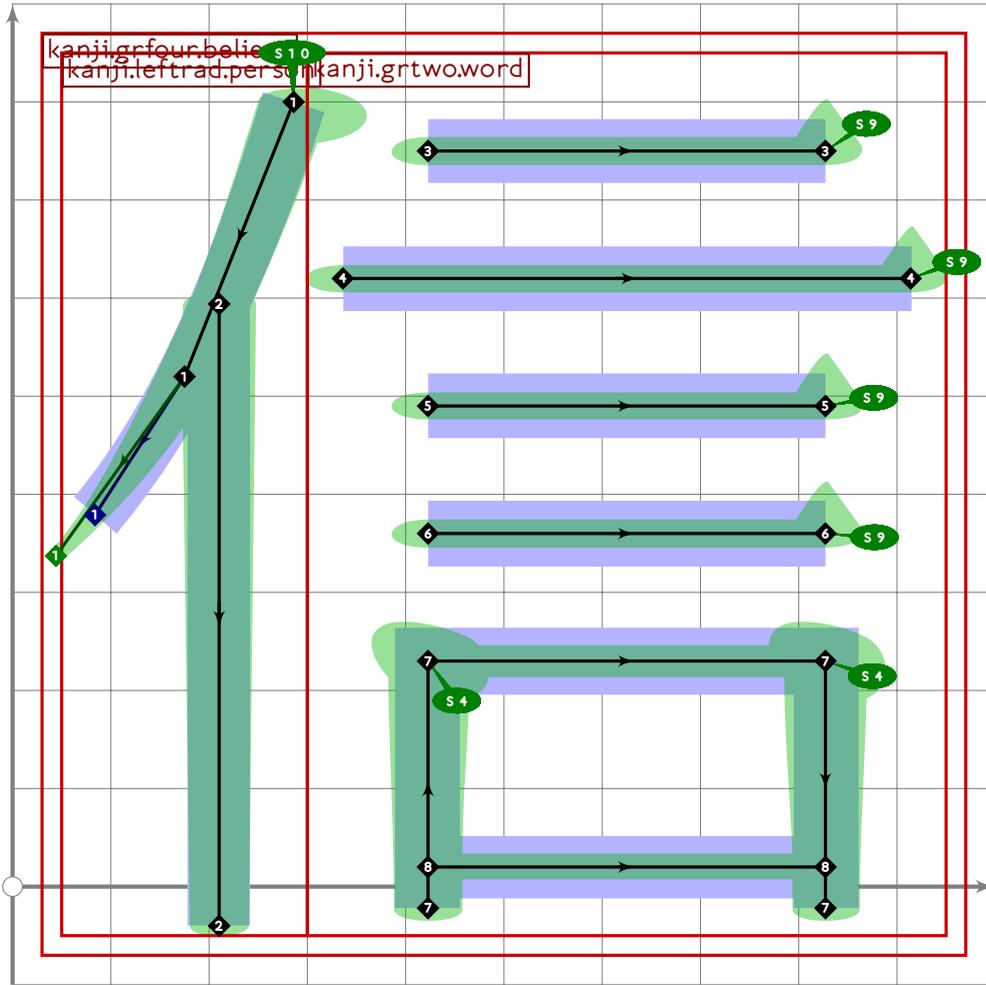


```
81
82 vardef kanji.grthree.use =
83   push_pbox_toexpand("kanji.grthree.use");
84   build_kanji.lr(300,10)
85     (kanji.leftrad.person)
86     (kanji.greight.officer);
87   expand_pbox;
88 enddef;
89
90
```

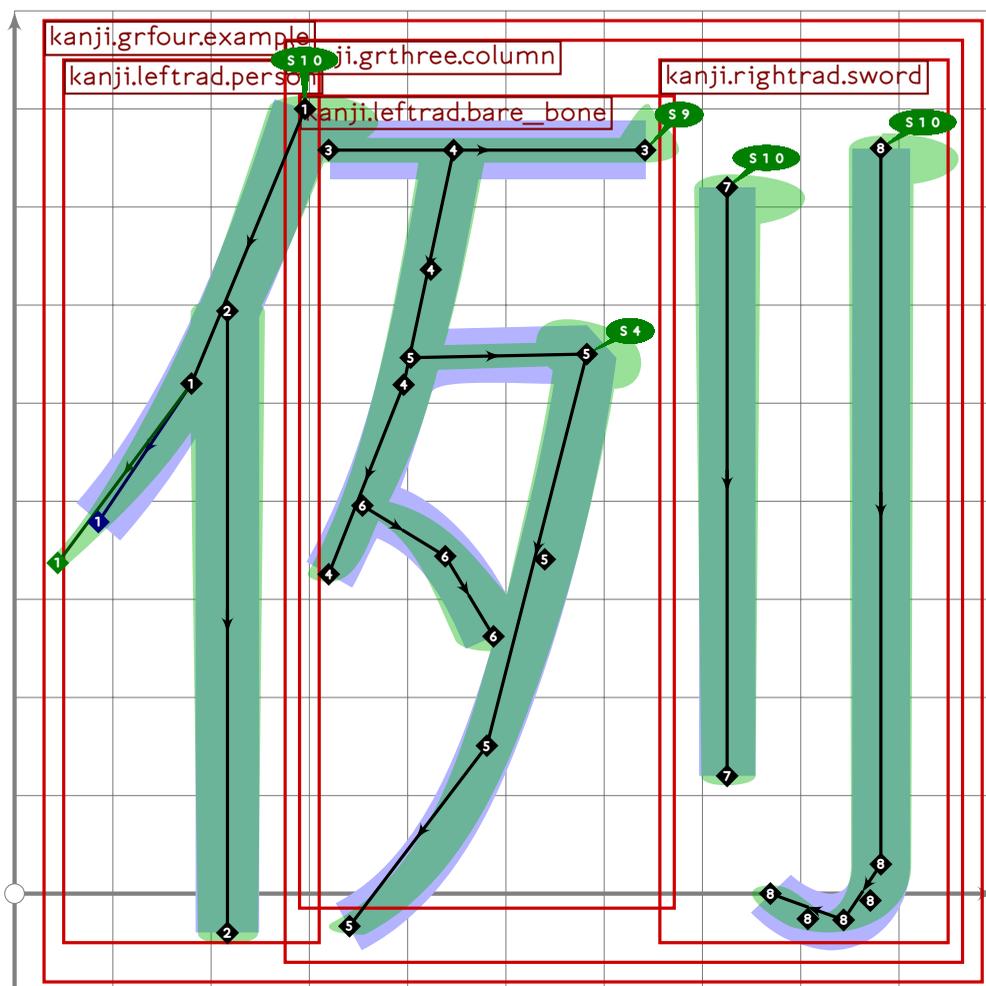


```
91  
92 vardef kanji.grfour.assist =  
93   push_pbox_toexpand("kanji.grfour.assist");  
94   build_kanji.lr(300,40)  
95     (kanji.leftrad.person)  
96     (kanji.grone.left);  
97   expand_pbox;  
98 enddef;
```

4F

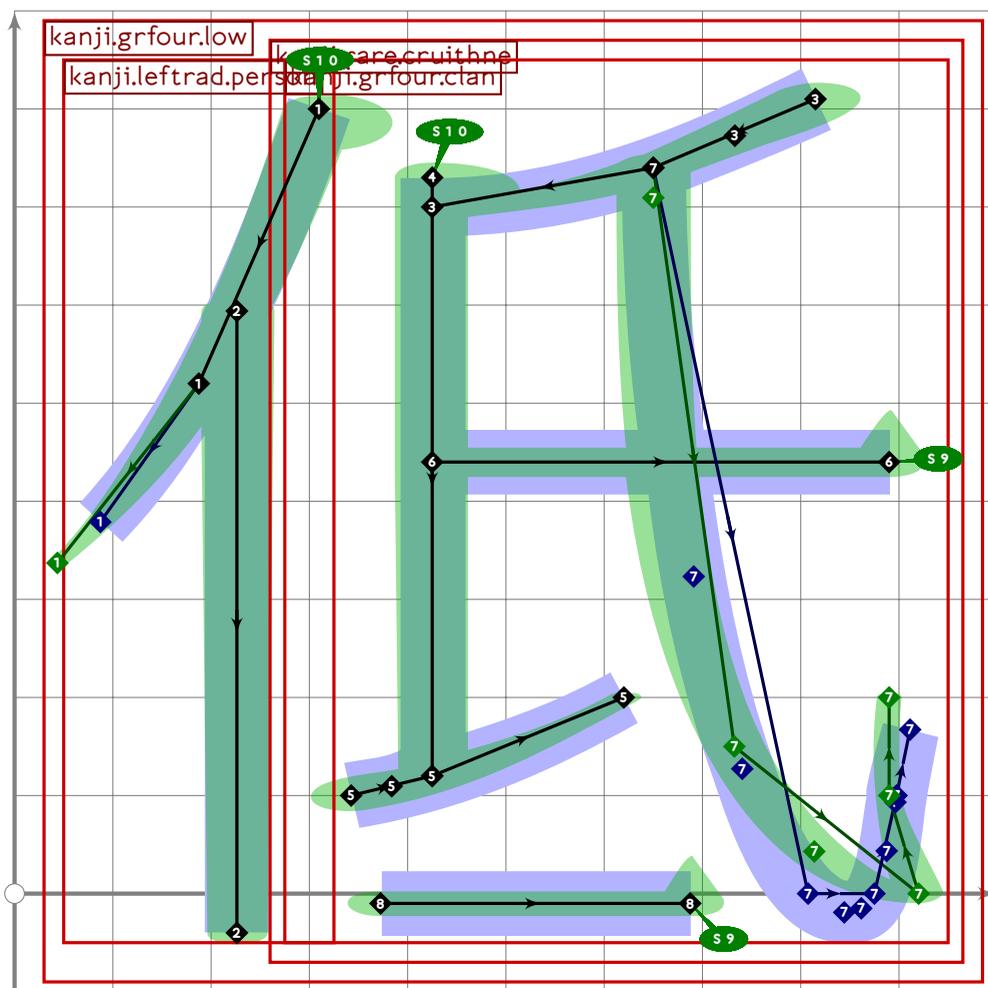


```
99  
100 vardef kanji.grfour.believe =  
101   push_pbox_toexpand("kanji.grfour.believe");  
102   build_kanji.lr(300,0)  
103     (kanji.leftrad.person)  
104     (kanji.grtwo.word);  
105   expand_pbox;  
106 enddef;
```

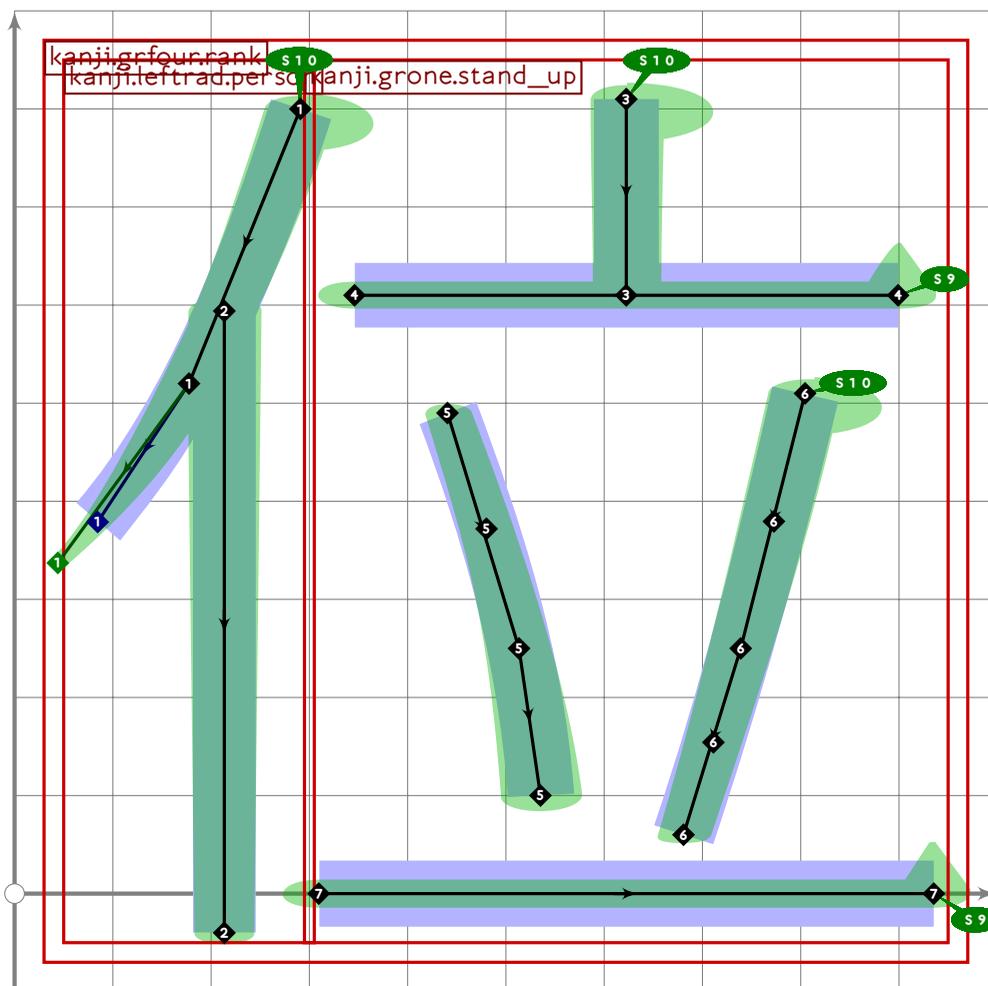


4F

```
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;
```

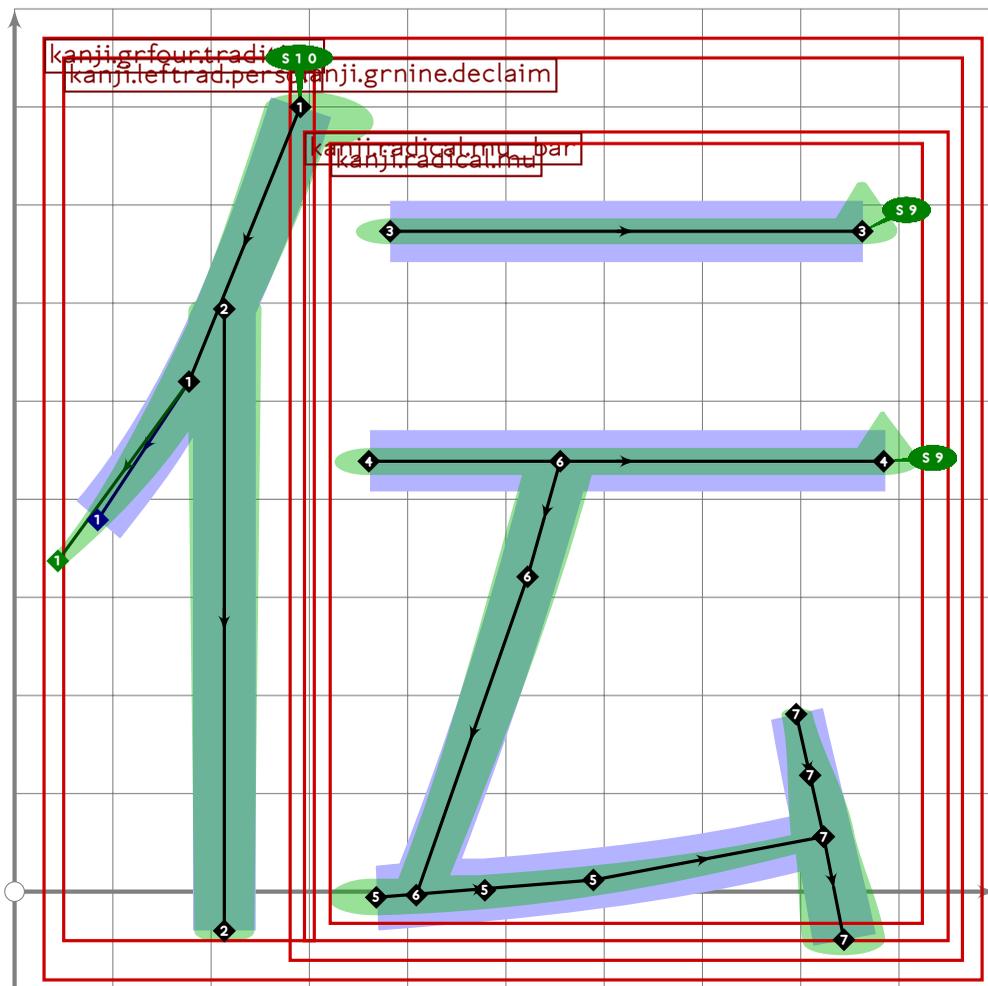


```
115  
116 vardef kanji.grfour.low =  
117   push_pbox_toexpand("kanji.grfour.low");  
118   build_kanji.lr(300,50)  
119     (kanji.leftrad.person)  
120     (kanji.rare.cruithne);  
121   expand_pbox;  
122 enddef;
```

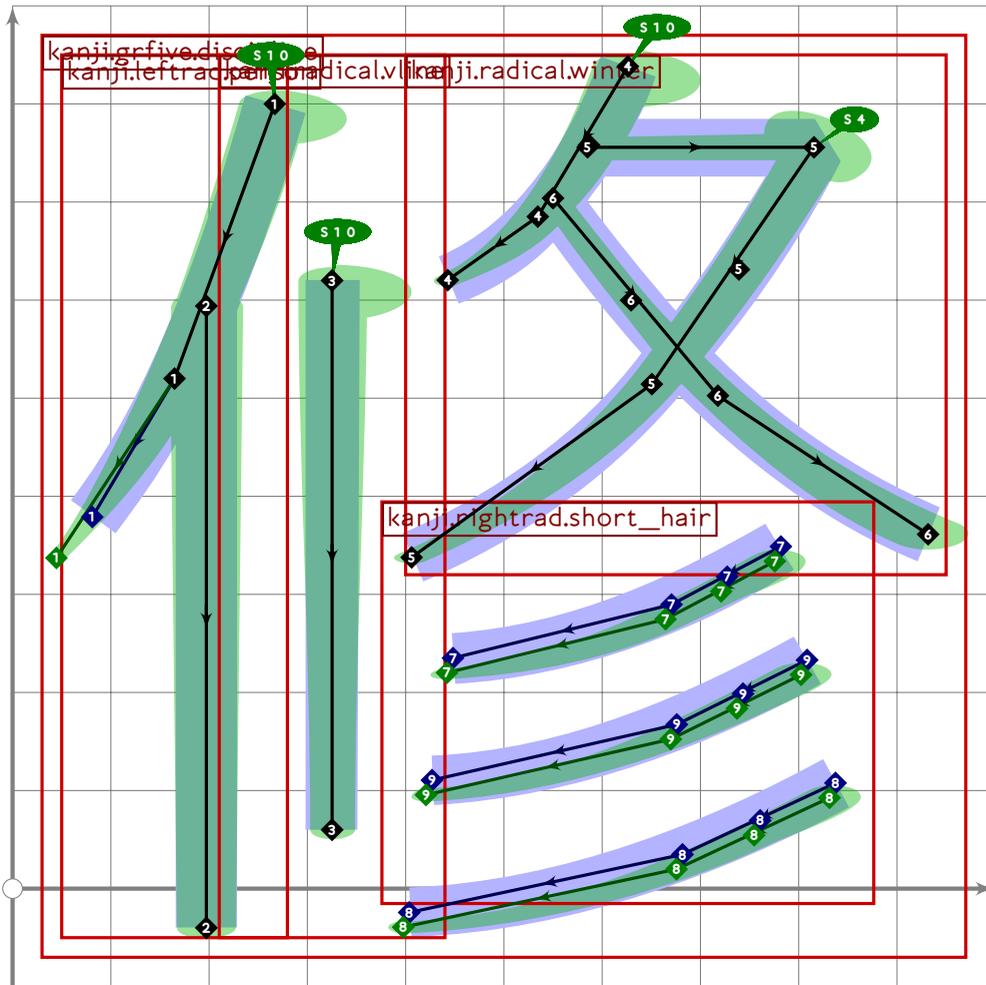


4F

```
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;
```



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

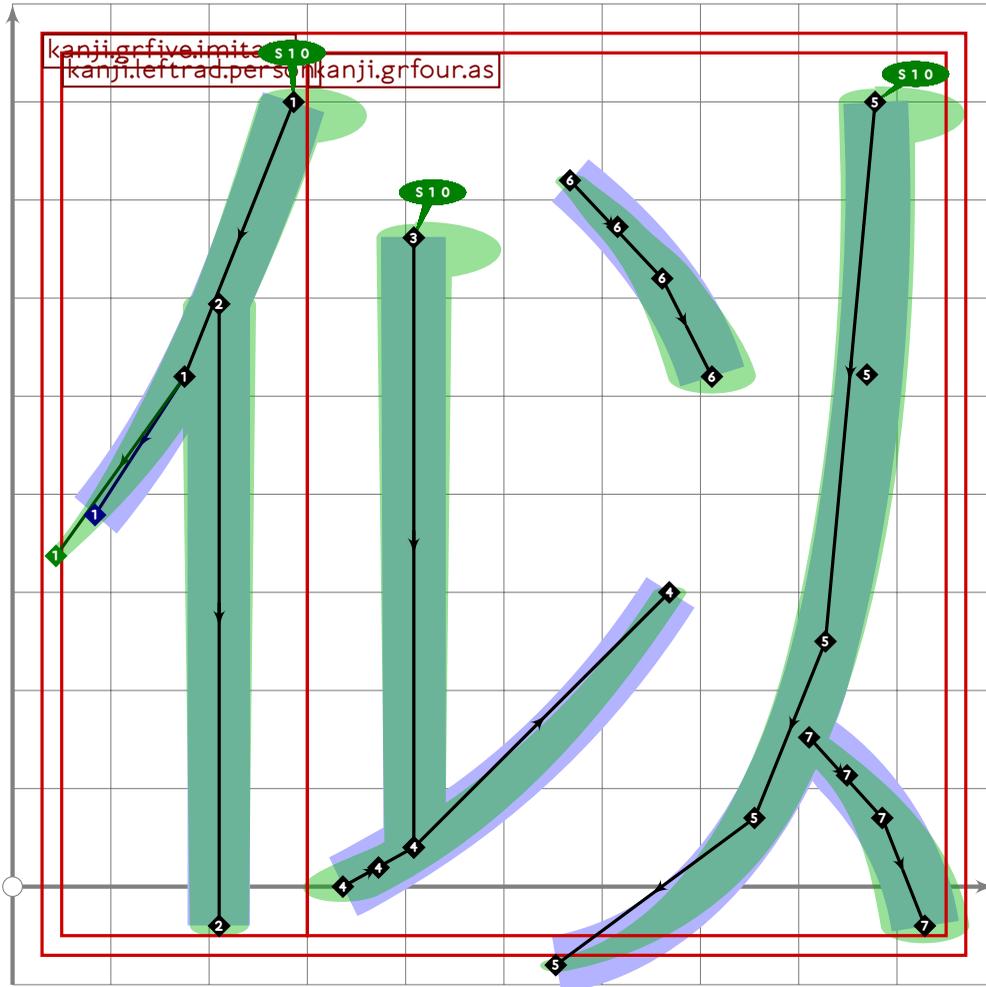


4F

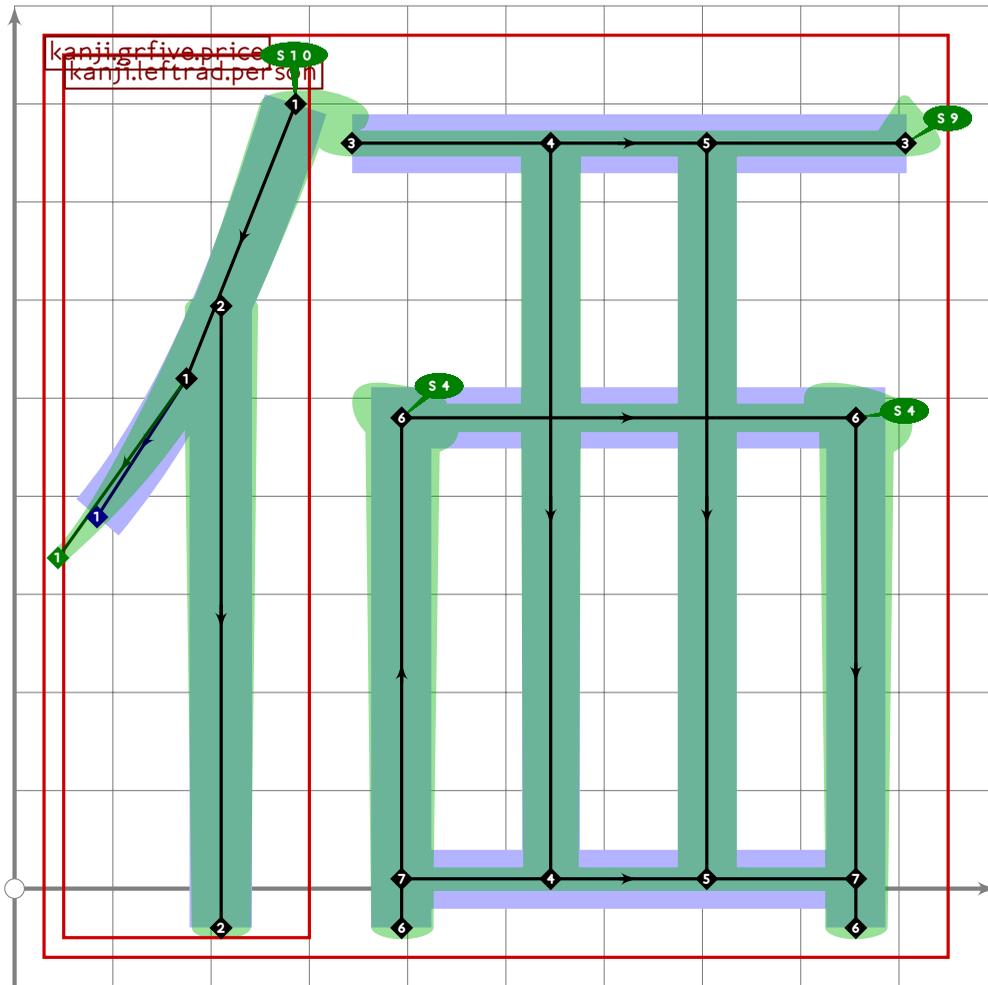
```

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_strokep(-4)(subpath (0.16,infinity) of oldp));
162   expand_pbox;
163 enddef;
```



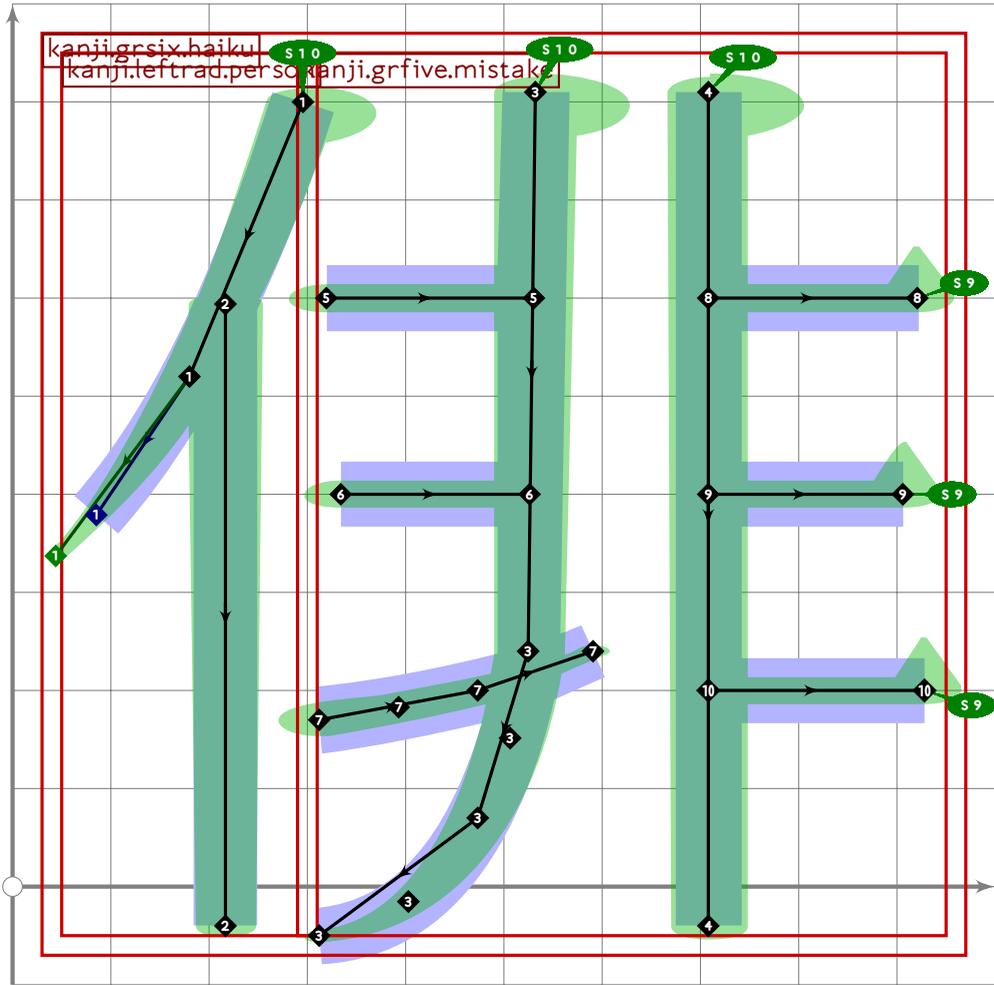
4F

```

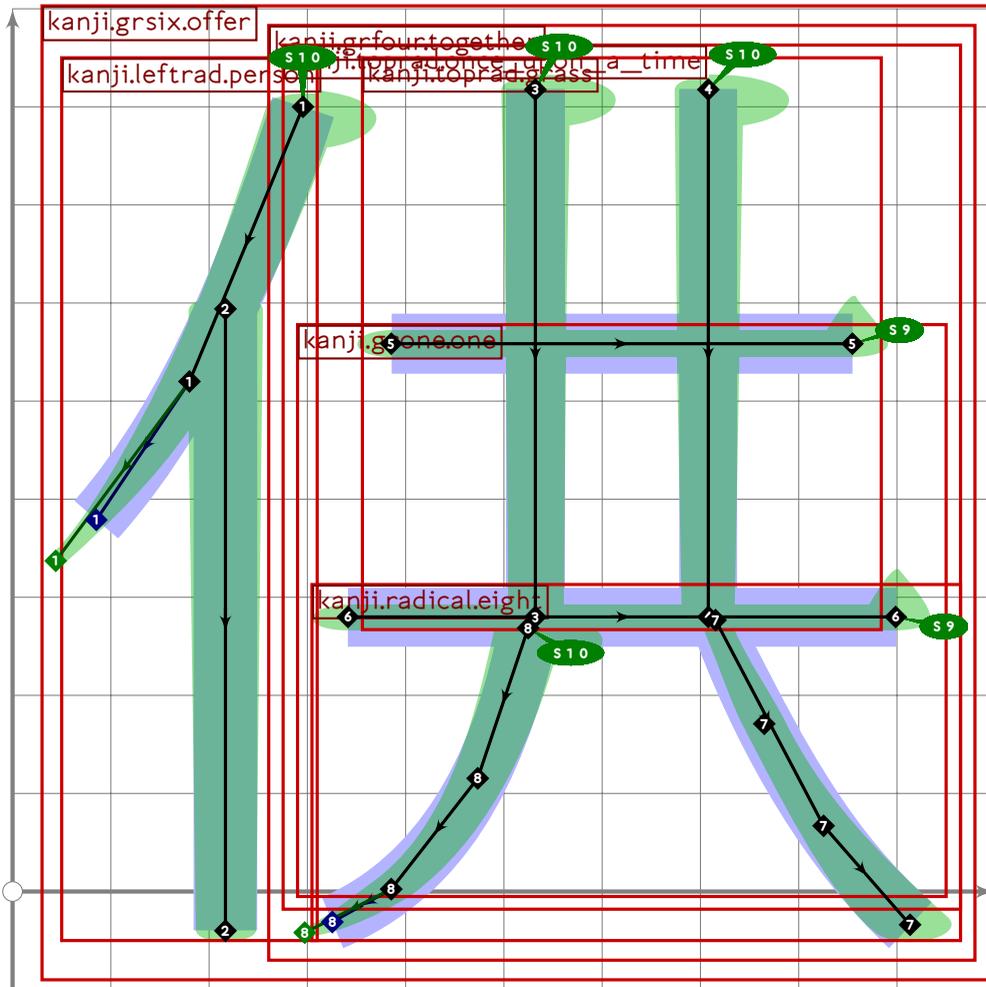
164
165 vardef kanji.grfive.price =
166   push_pbox_toexpand("kanji.grfive.price");
167   build_kanji.lr(300,0)
168     (kanji.leftrad.person)
169     (build_kanji.thickness(0.92)
170       (push_stroke((110,760)-(890,760),(1.6,1.6)-(1.6,1.6));
171         set_boserif(0,1.9);
172         push_stroke((390,760)-(390,10),(1.5,1.5)-(1.4,1.4));
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

```

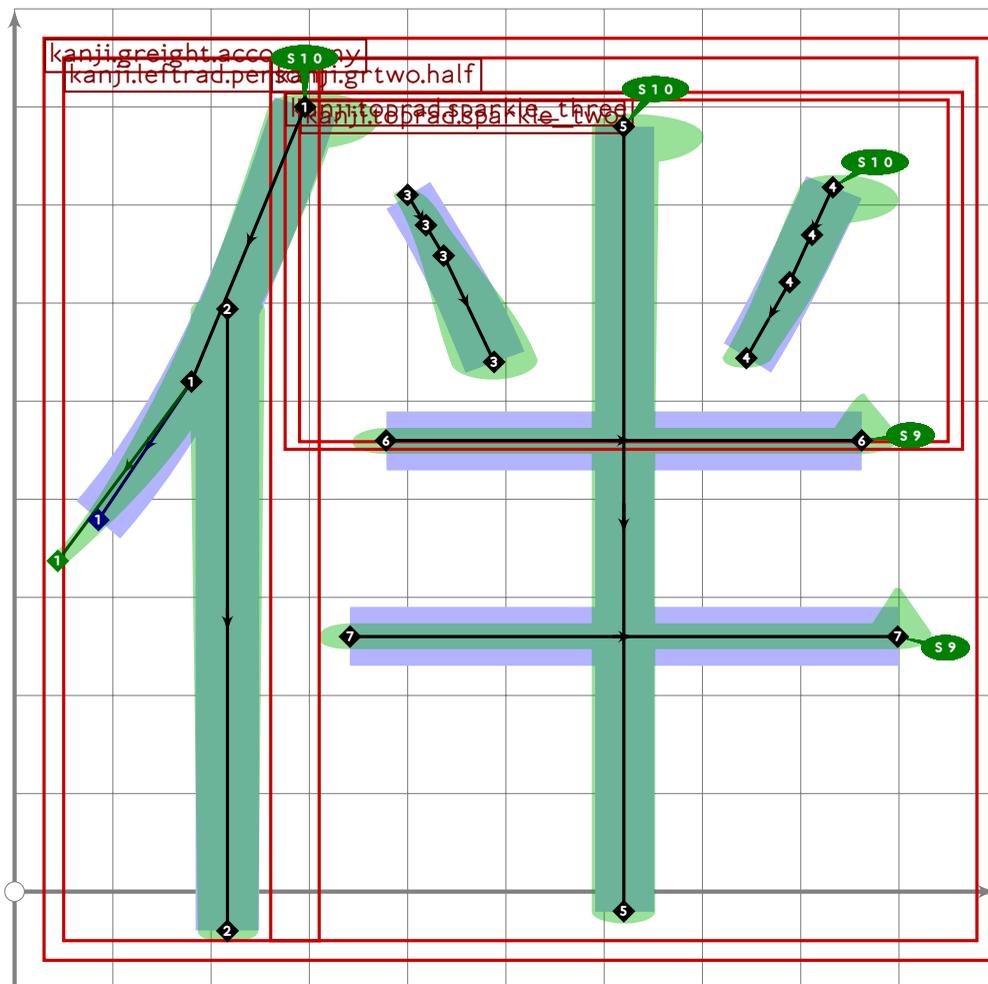
4F



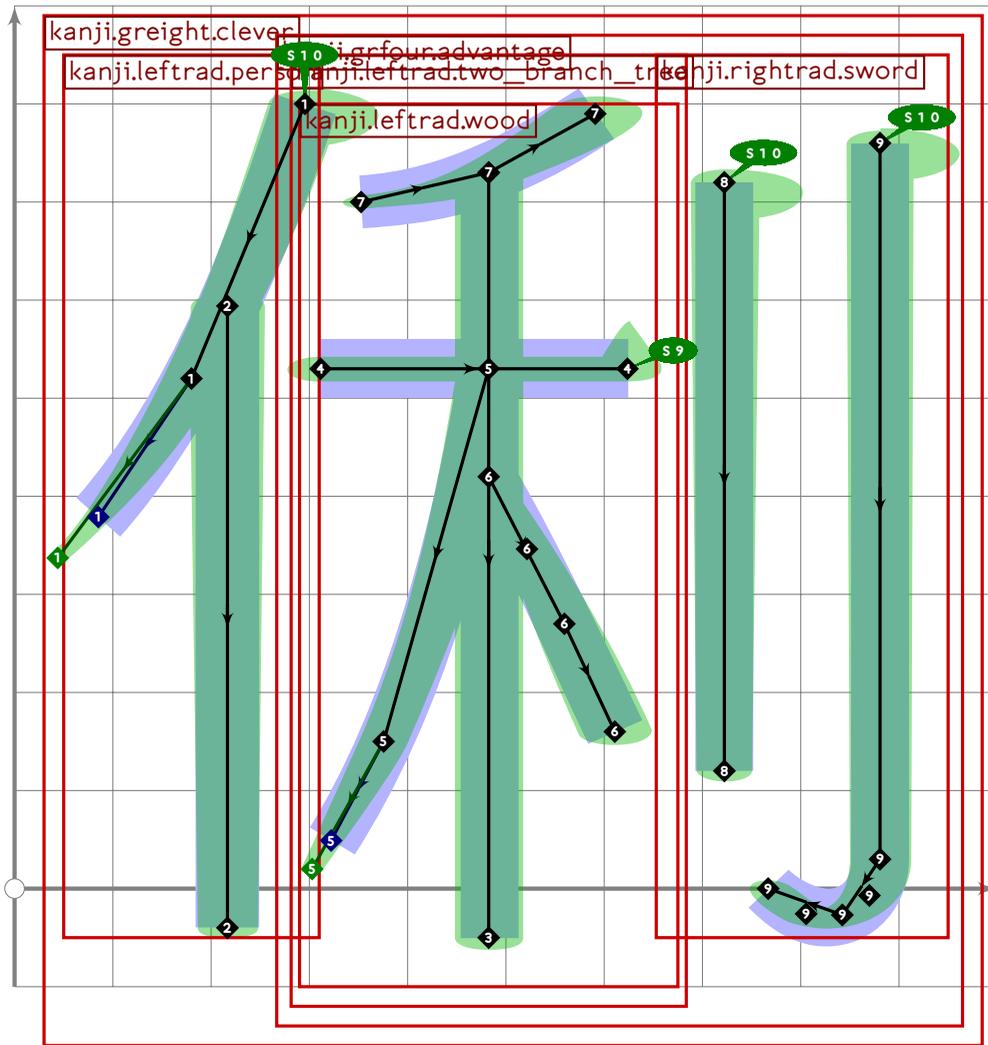
```
179
180 vardef kanji.grsix.haiku =
181   push_pbox_toexpand("kanji.grsix.haiku");
182   build_kanji.lr(300,20)
183     (kanji.leftrad.person)
184     (kanji.grfive.mistake);
185   expand_pbox;
186 enddef;
```



```
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.grfour.together);
193   expand_pbox;
194 enddef;
195
196
```

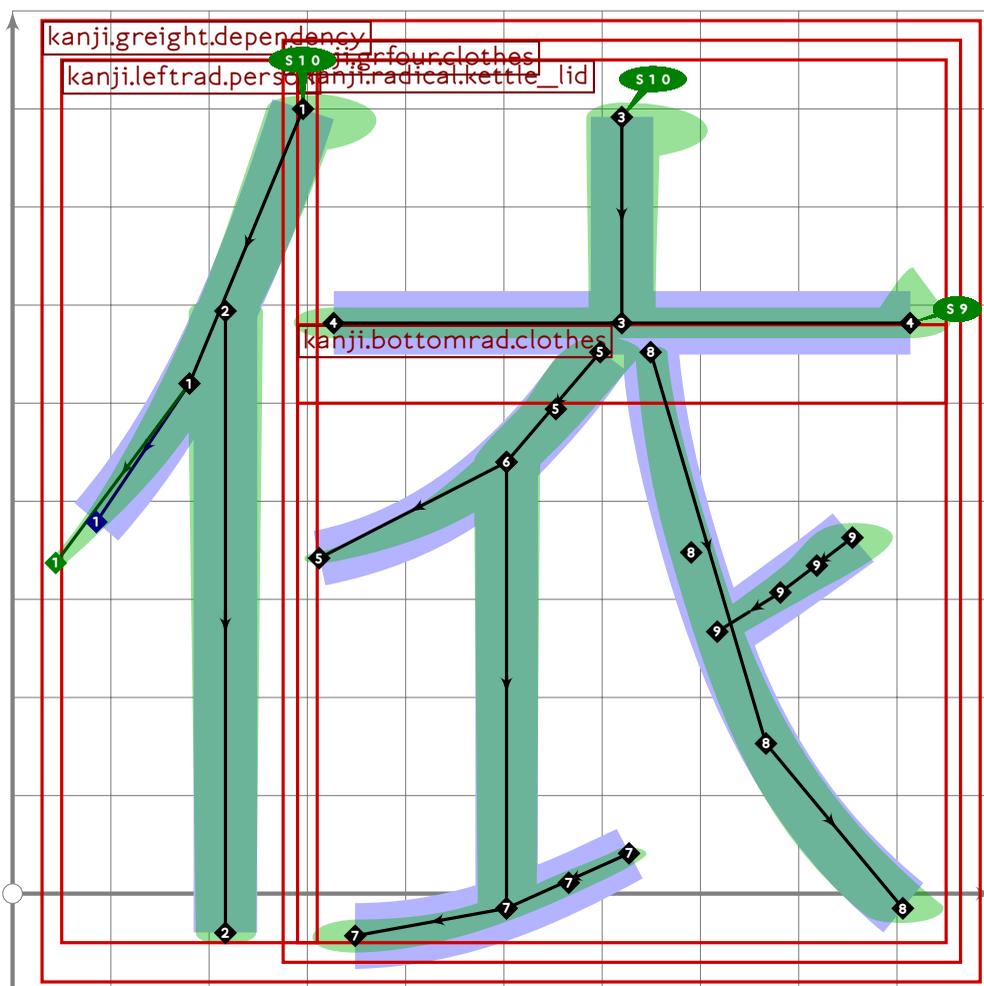


```
197
198 vardef kanji.greight.accompany =
199   push_pbox_toexpand("kanji.greight.accompany");
200   build_kanji.lr(300,20)
201     (kanji.leftrad.person)
202     (kanji.grtwo.half);
203   expand_pbox;
204 enddef;
```



4F

```
205  
206 vardef kanji.greight.clever =  
207   push_pbox_toexpand("kanji.greight.clever");  
208   build_kanji.lr(300,20)  
209     (kanji.leftrad.person)  
210     (kanji.grfour.advantage);  
211   expand_pbox;  
212 enddef;
```

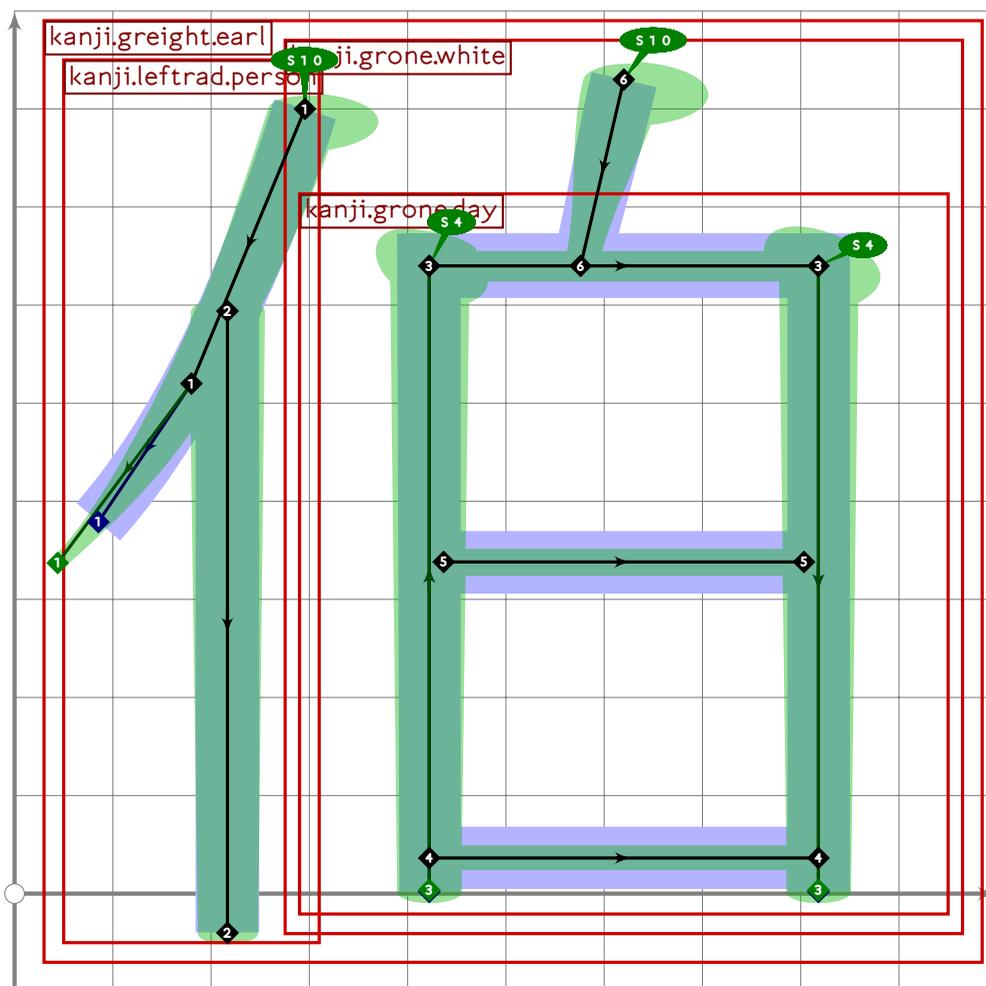



4F

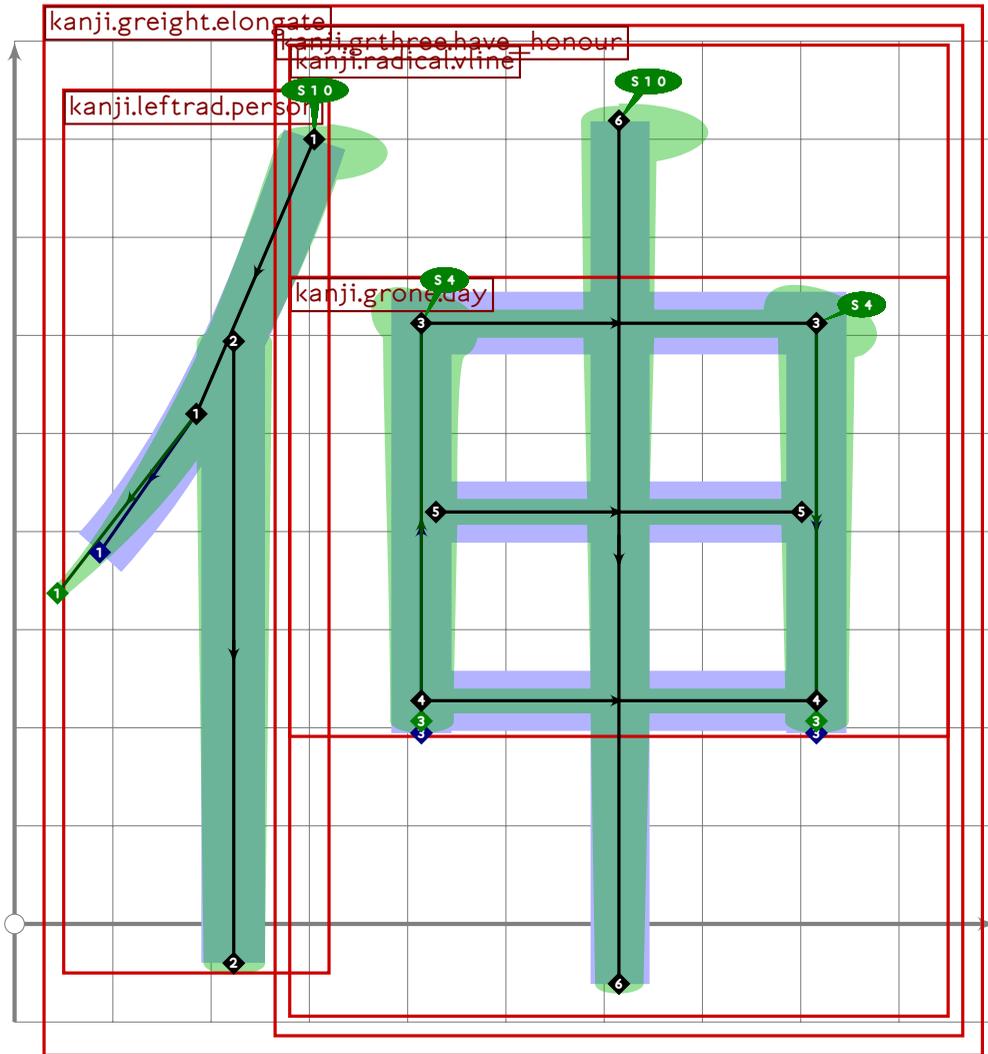
```
221
222 vardef kanji.greight.dependency =
223   push_pbox_toexpand("kanji.greight.dependency");
224   build_kanji.lr(300,20)
225     (kanji.leftrad.person)
226     (kanji.grfour.clothes);
227   expand_pbox;
228 enddef;
```

U+4F2F
tsuku.uni4F2F

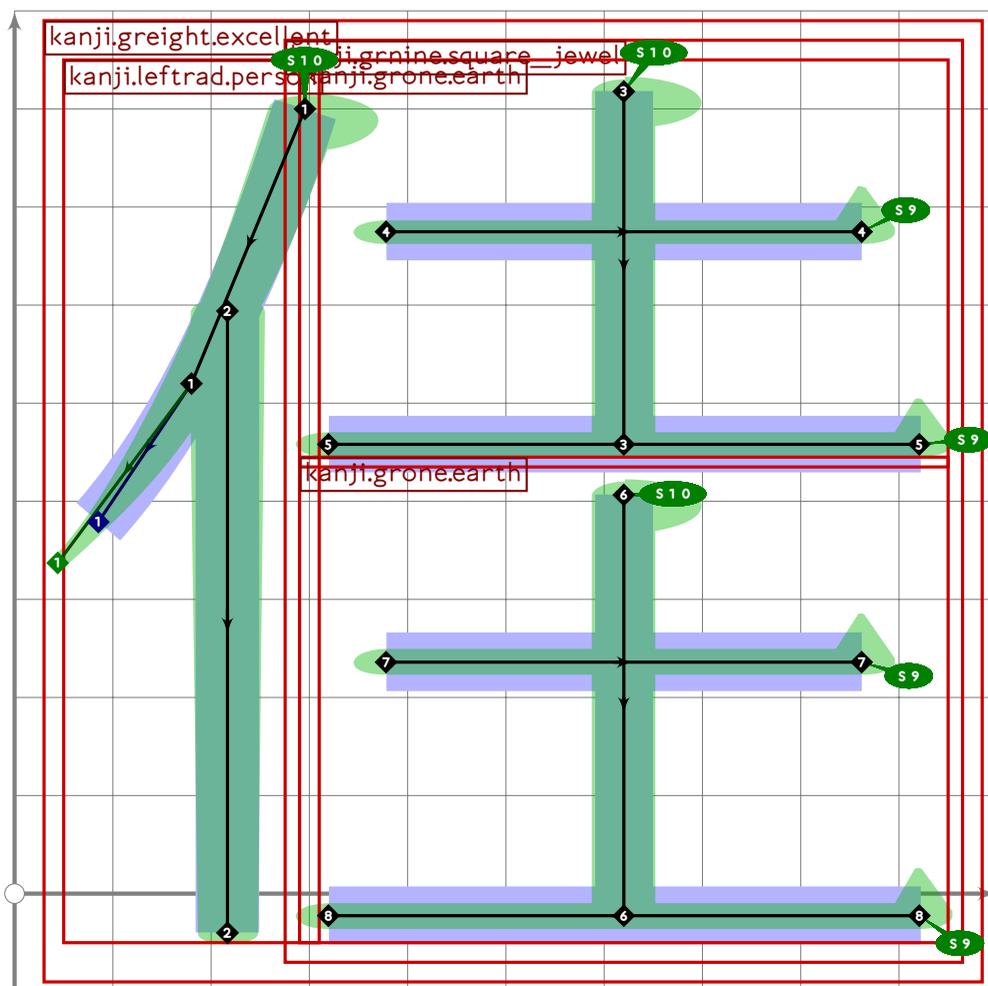
4F



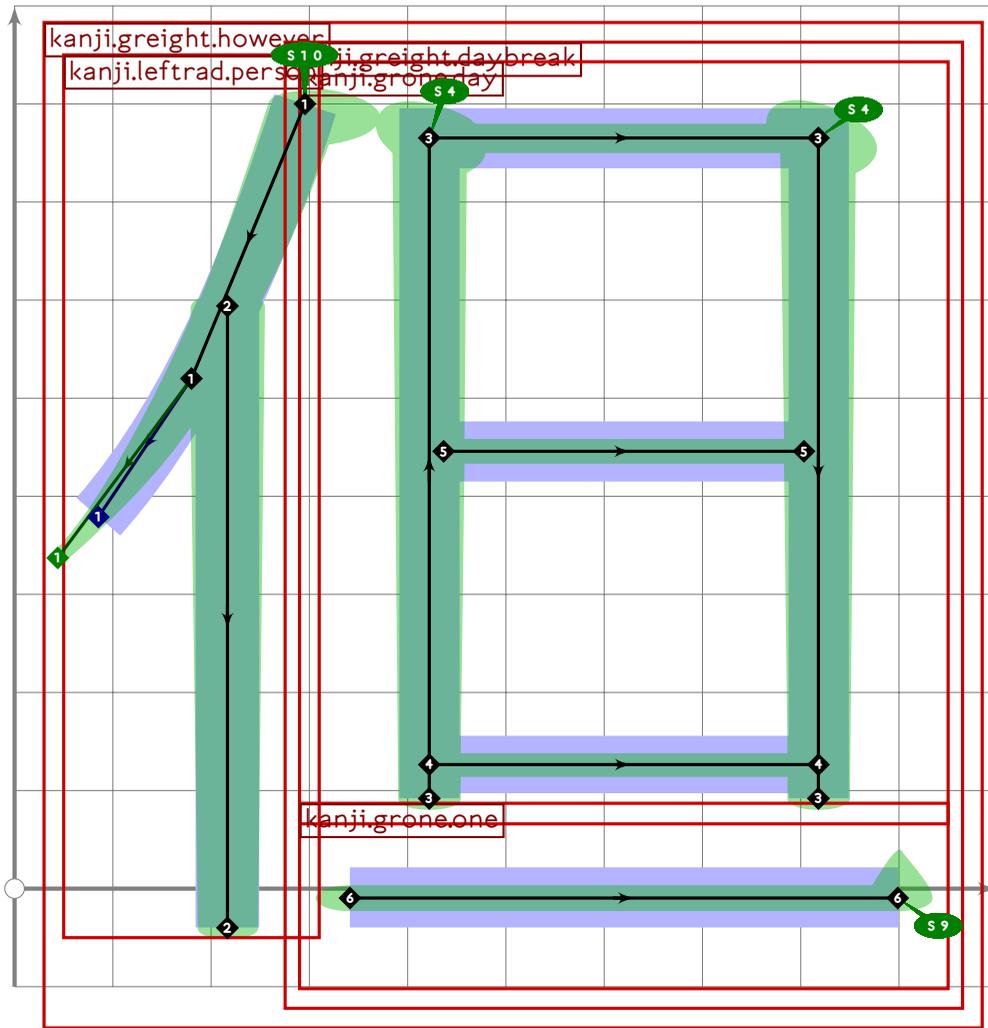
```
229
230 vardef kanji.greight.earl =
231   push_pbox_toexpand("kanji.greight.earl");
232   build_kanji.lr(300,20)
233     (kanji.leftrad.person)
234     (build_kanji.sscale(shifted (0,20))(kanji.grone.white));
235   expand_pbox;
236 enddef;
```



```
237
238 vardef kanji.greight.elongate =
239   push_pbox_toexpand("kanji.greight.elongate");
240   build_kanji.lr(300,40)
241     (kanji.leftrad.person)
242     (kanji.grthree.have_honour);
243   expand_pbox;
244 enddef;
```



```
245  
246 vardef kanji.greight.excellent =  
247   push_pbox_toexpand("kanji.greight.excellent");  
248   build_kanji.lr(300,20)  
249     (kanji.leftrad.person)  
250     (kanji.grnine.square_jewel);  
251   expand_pbox;  
252 enddef;
```

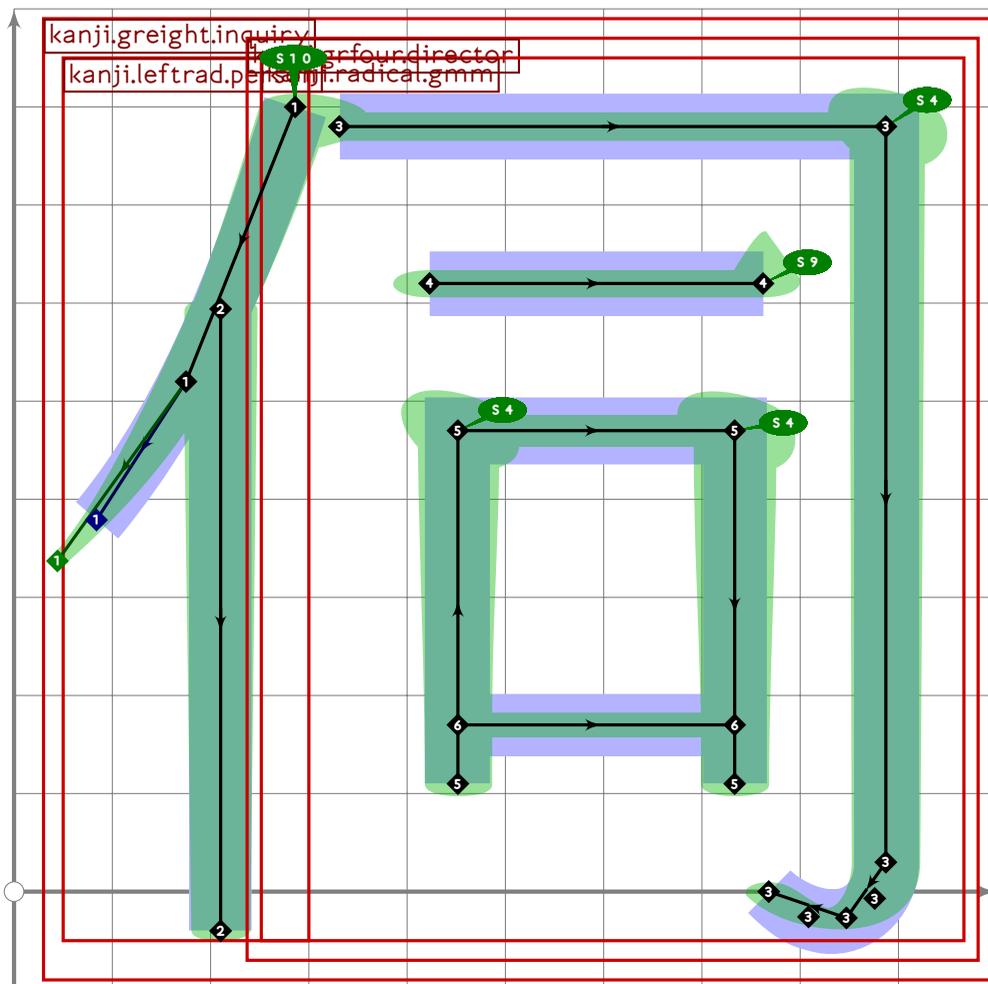


4F

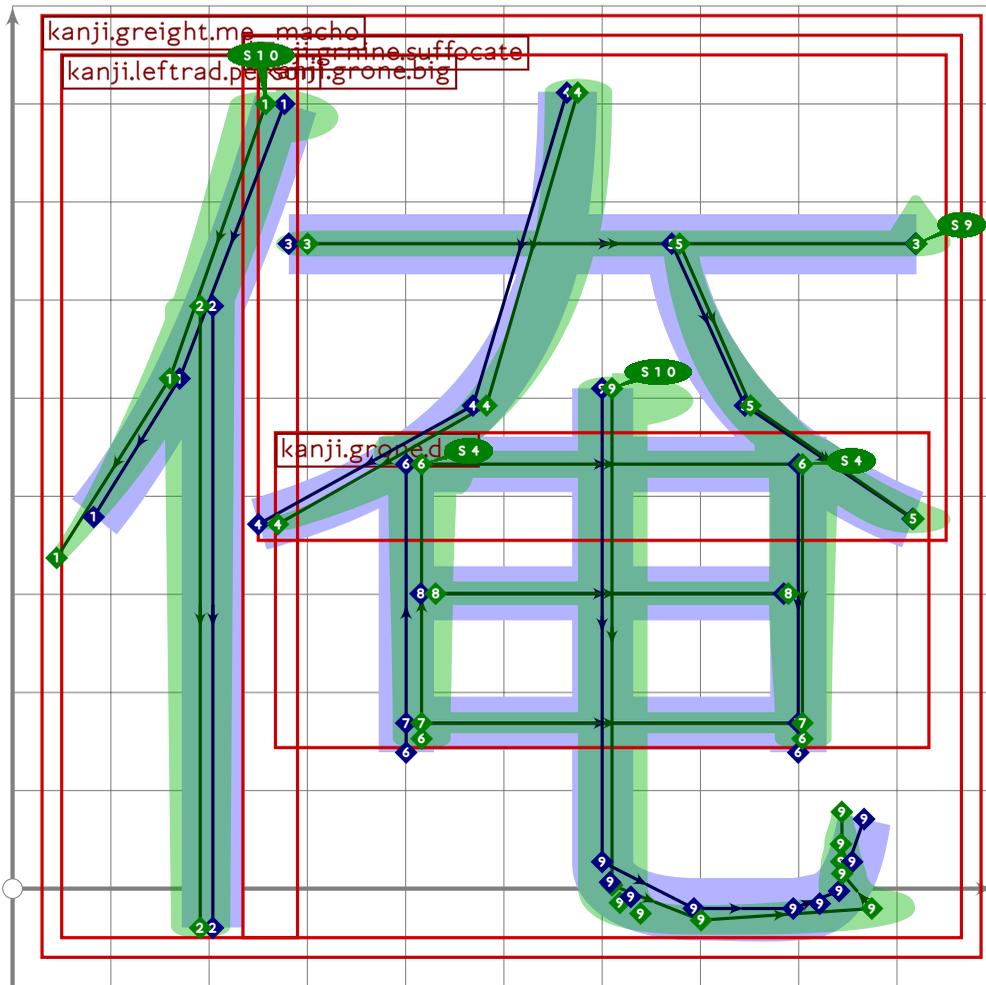
```
253  
254 vardef kanji.greight.however =  
255   push_pbox_toexpand("kanji.greight.however");  
256   build_kanji.lr(300,20)  
257     (kanji.leftrad.person)  
258     (kanji.greight.daybreak);  
259   expand_pbox;  
260 enddef;
```

U+4F3A
tsuku.uni4F3A

4F



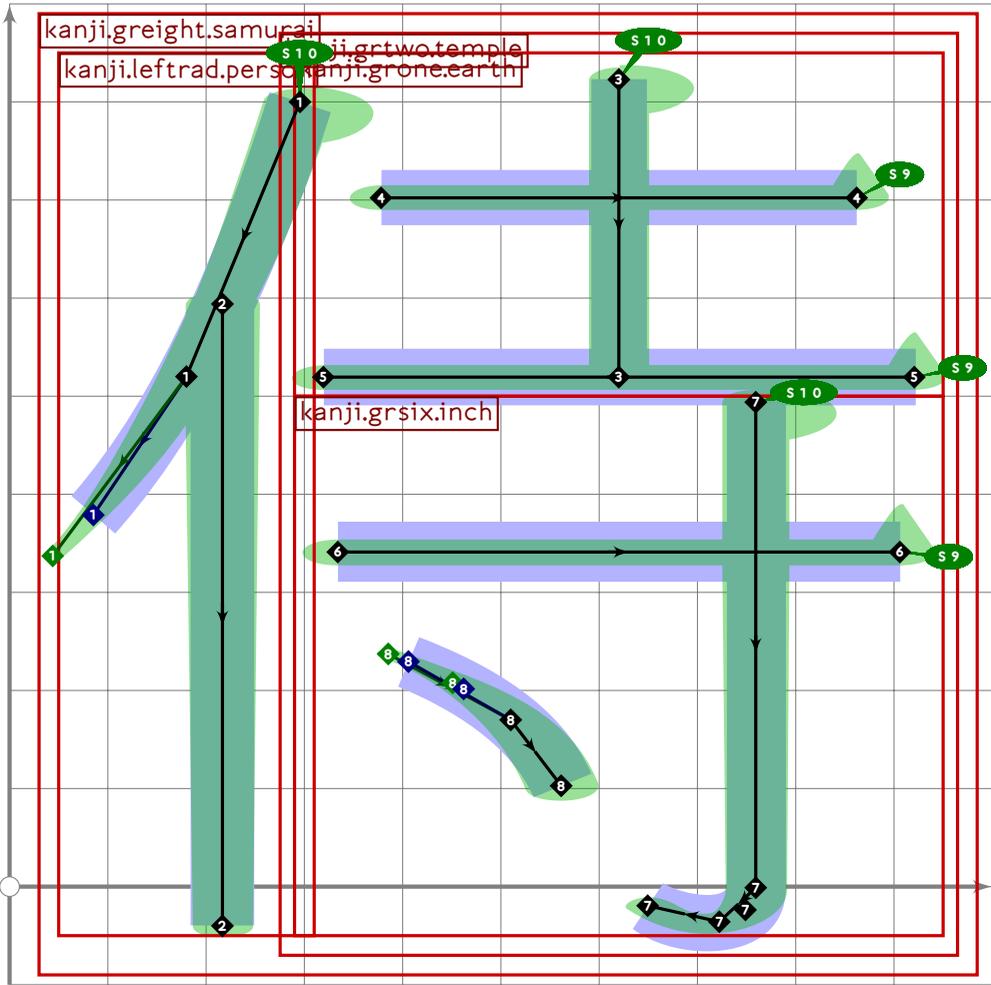
```
261
262 vardef kanji.greight.inquiry =
263   push_pbox_toexpand("kanji.greight.inquiry");
264   build_kanji.lr(300,0)
265     (kanji.leftrad.person)
266     (kanji.grfour.director);
267   expand_pbox;
268 enddef;
```



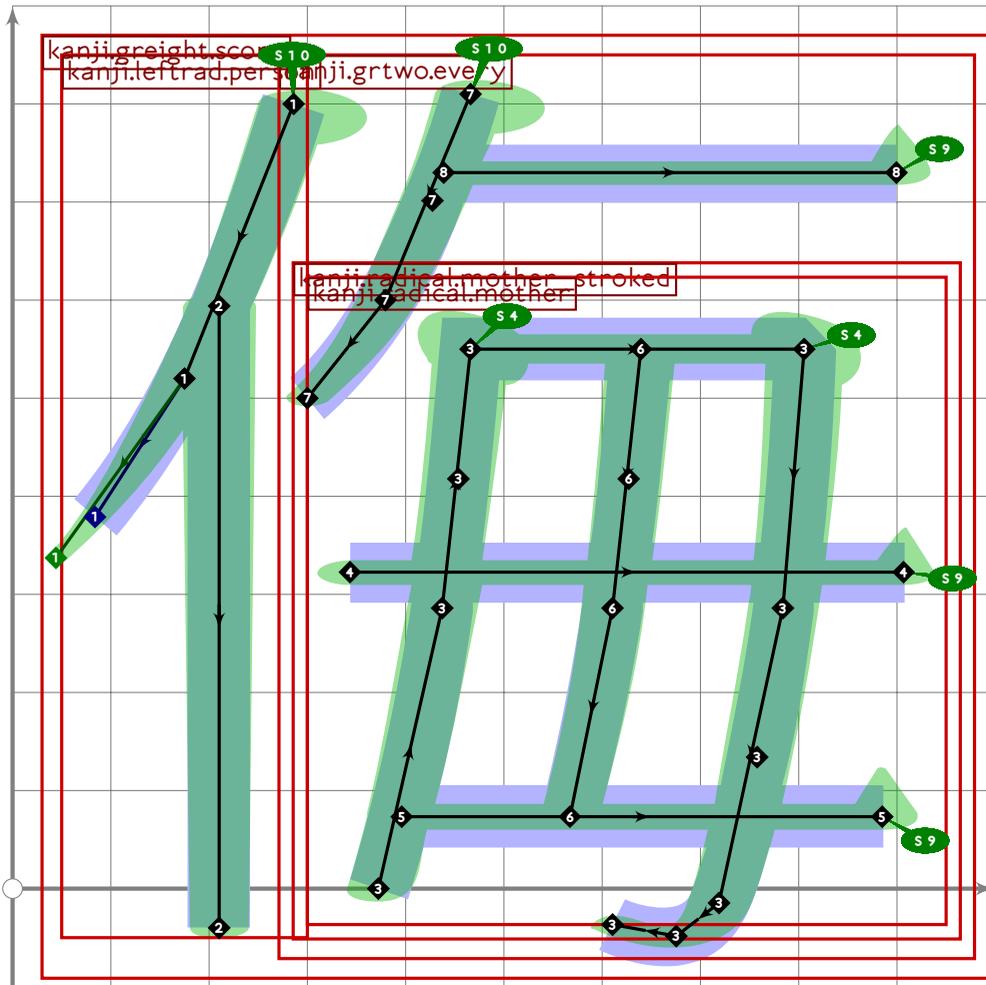
4F

```
269
270 vardef kanji.greight.me_macho =
271   push_pbox_toexpand("kanji.greight.me_macho");
272   build_kanji.lr(270,40*(1-mincho))
273   (kanji.leftrad.person)
274   (kanji.grnine.suffocate);
275   expand_pbox;
276 enddef;
```

4F



```
277  
278 vardef kanji.greight.samurai =  
279   push_pbox_toexpand("kanji.greight.samurai");  
280   build_kanji.lr(300,20)  
281     (kanji.leftrad.person)  
282     (kanji.grtwo.temple);  
283   expand_pbox;  
284 enddef;
```

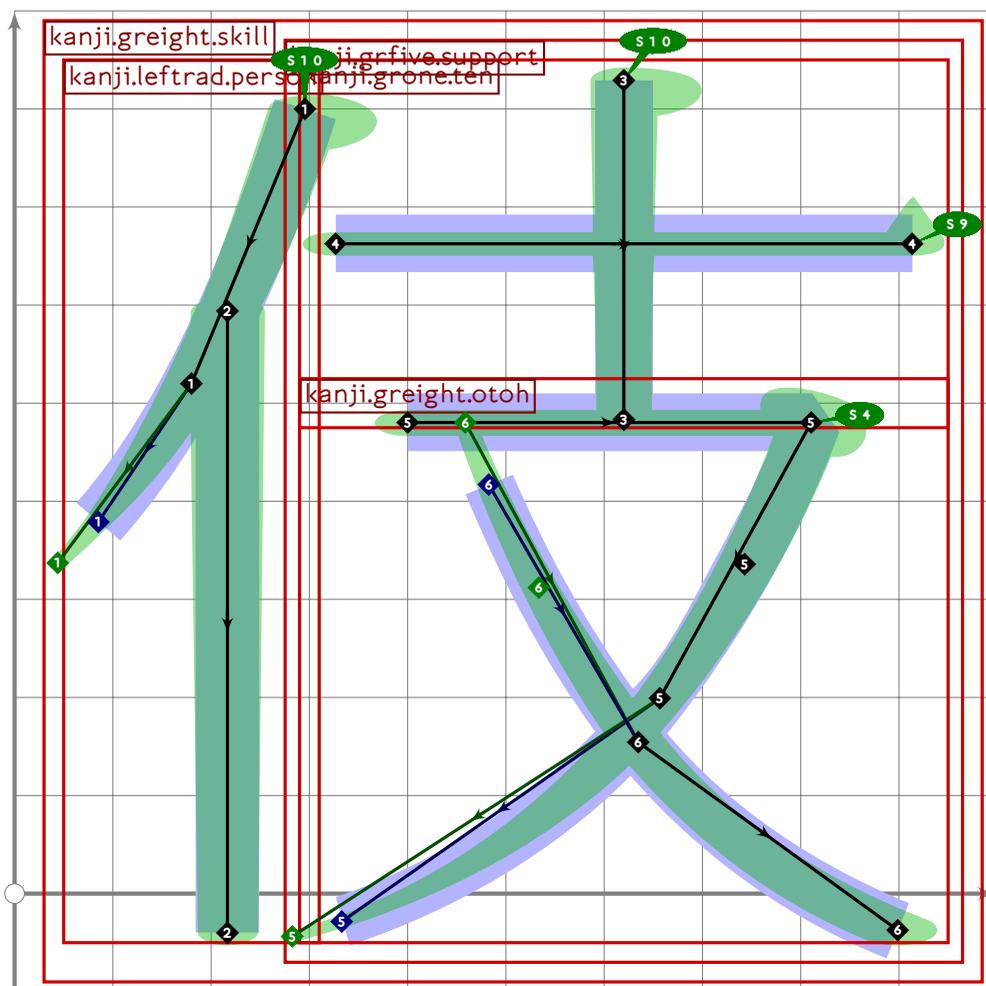


4F

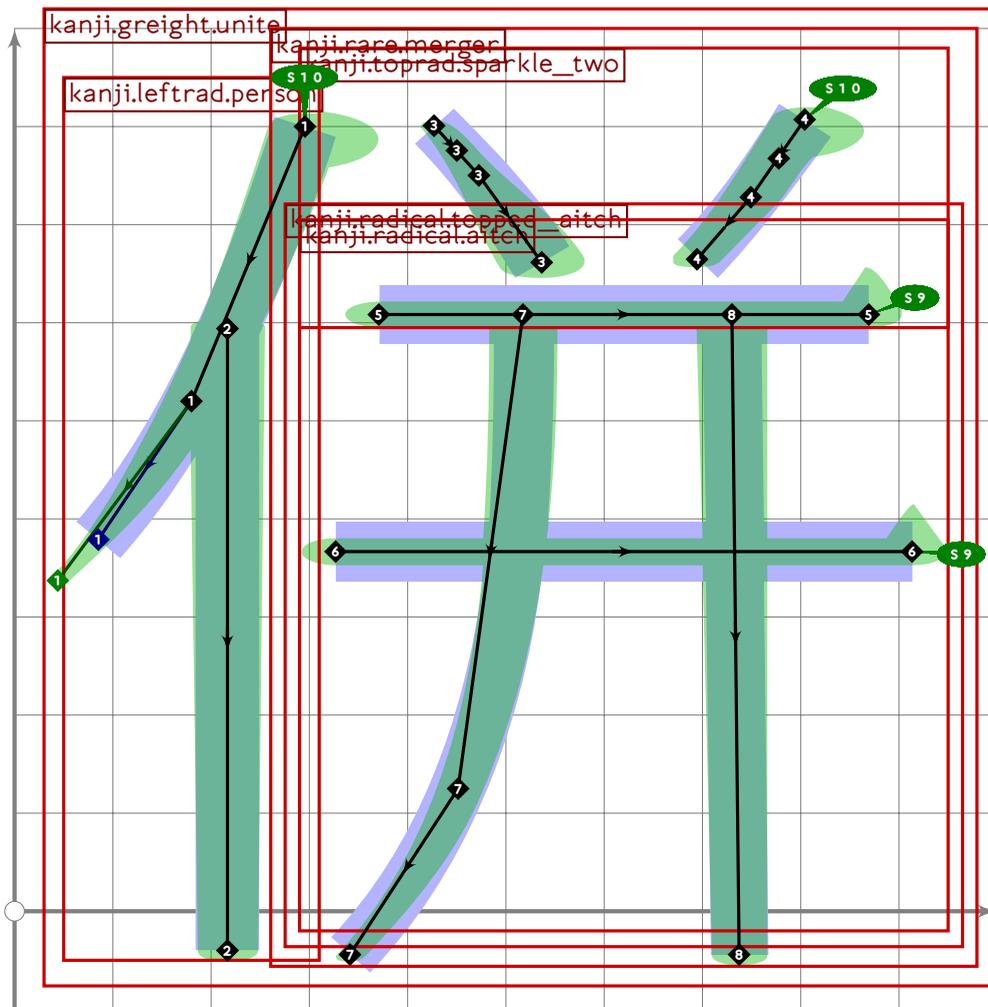
```
285  
286 vardef kanji.greight.scorn =  
287   push_pbox_toexpand("kanji.greight.scorn");  
288   build_kanji.lr(300,0)  
289     (kanji.leftrad.person)  
290     (kanji.grtwo.every);  
291   expand_pbox;  
292 enddef;
```

U+4F0E
tsuku.uni4F0E

4F



```
293  
294 vardef kanji.greight.skill =  
295   push_pbox_toexpand("kanji.greight.skill");  
296   build_kanji.lr(300,20)  
297     (kanji.leftrad.person)  
298     (kanji.grfive.support);  
299   expand_pbox;  
300 enddef;
```

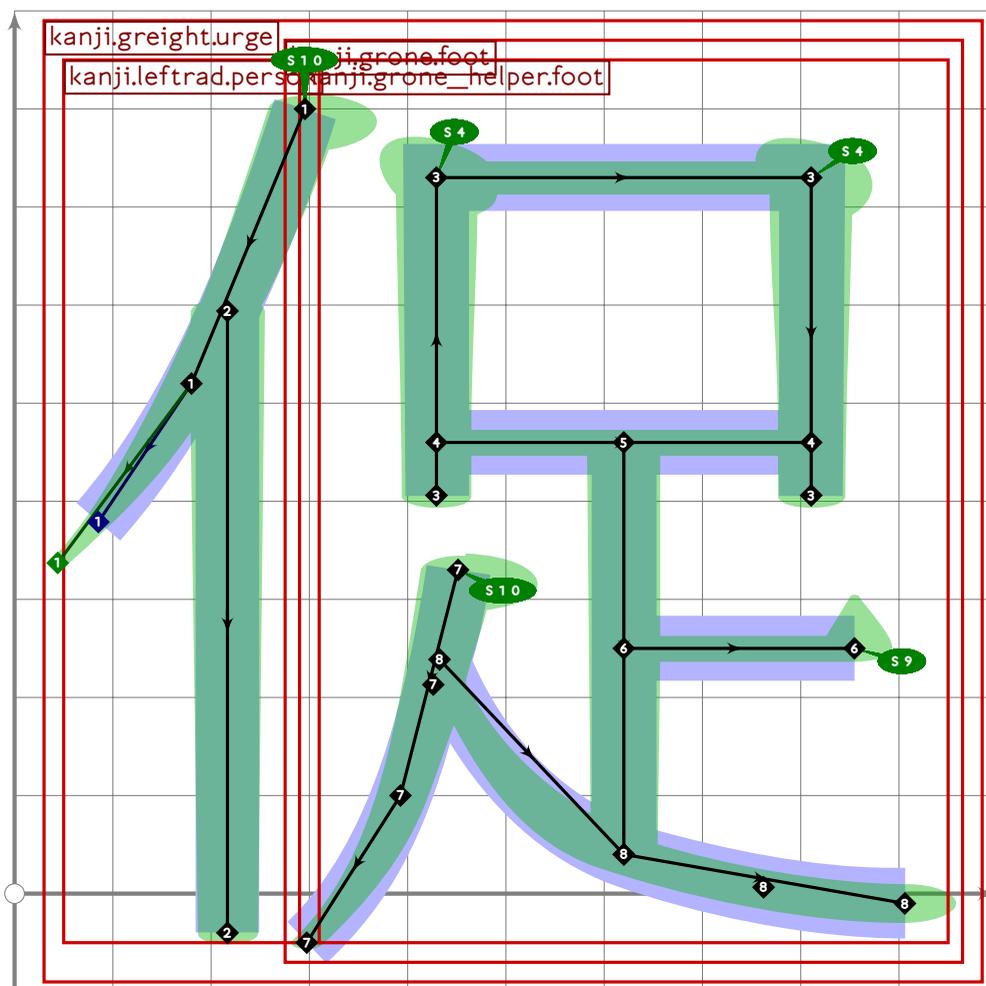


4F

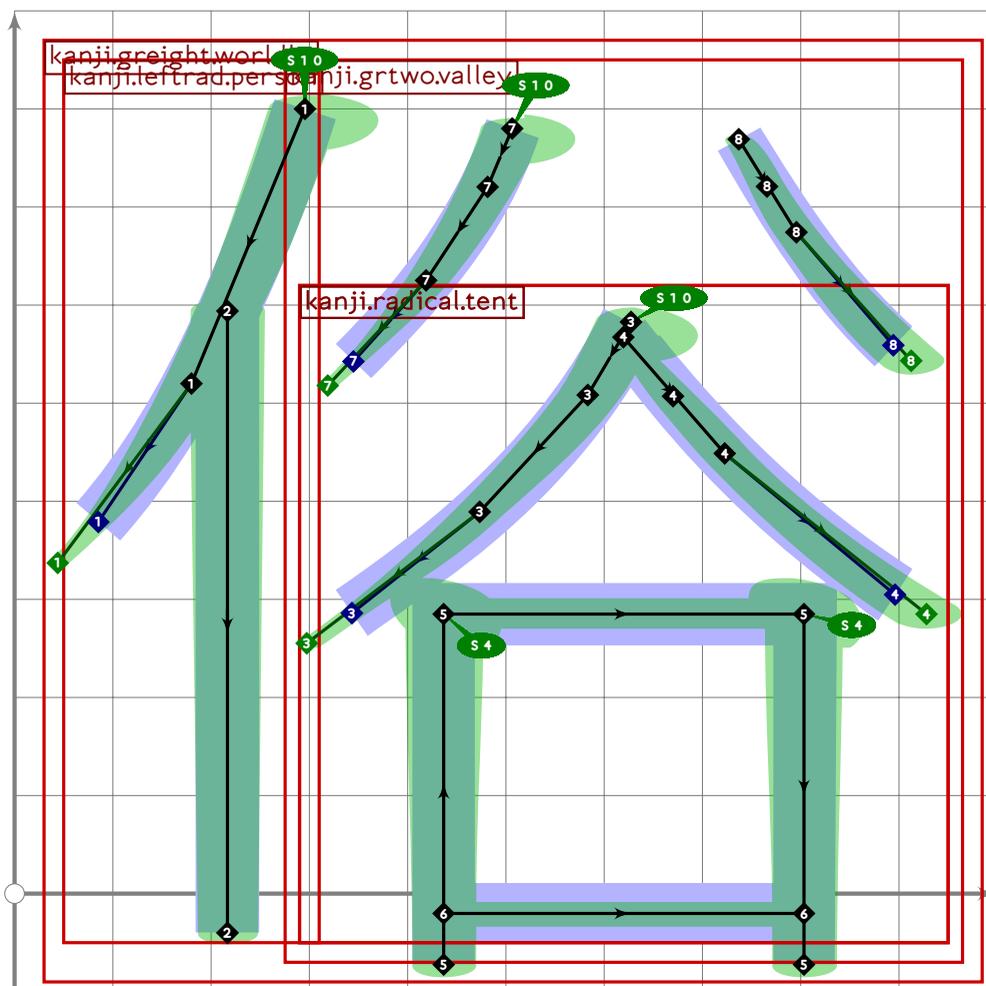
```
301  
302 vardef kanji.greight.unite =  
303   push_pbox_toexpand("kanji.greight.unite");  
304   build_kanji.lr(300,20)  
305     (kanji.leftrad.person)  
306     (build_kanji.sscale(shifted (0,30))(kanji.rare.merger));  
307   expand_pbox;  
308 enddef;
```

U+4FC3
tsuku.uni4FC3

4F

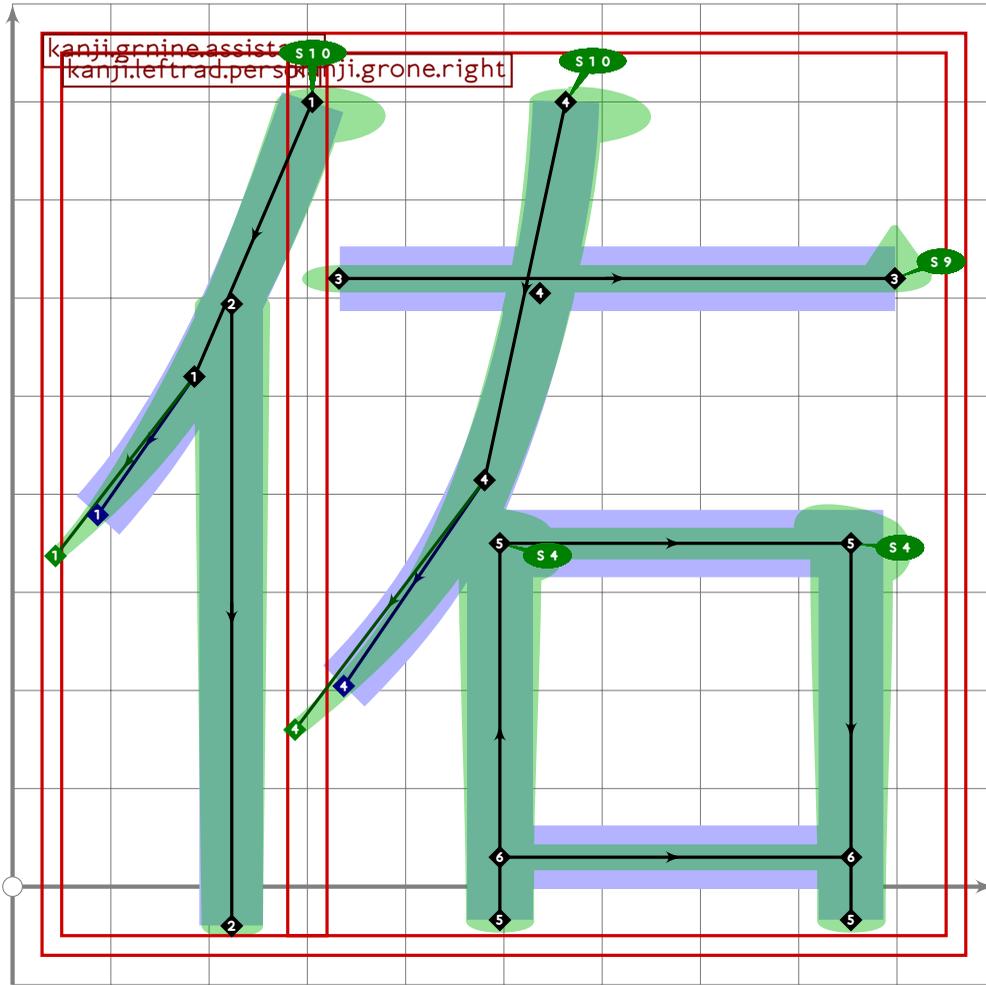


```
309
310 vardef kanji.greight.urge =
311   push_pbox_toexpand("kanji.greight.urge");
312   build_kanji.lr(300,20)
313     (kanji.leftrad.person)
314     (kanji.grone.foot);
315   expand_pbox;
316 enddef;
```

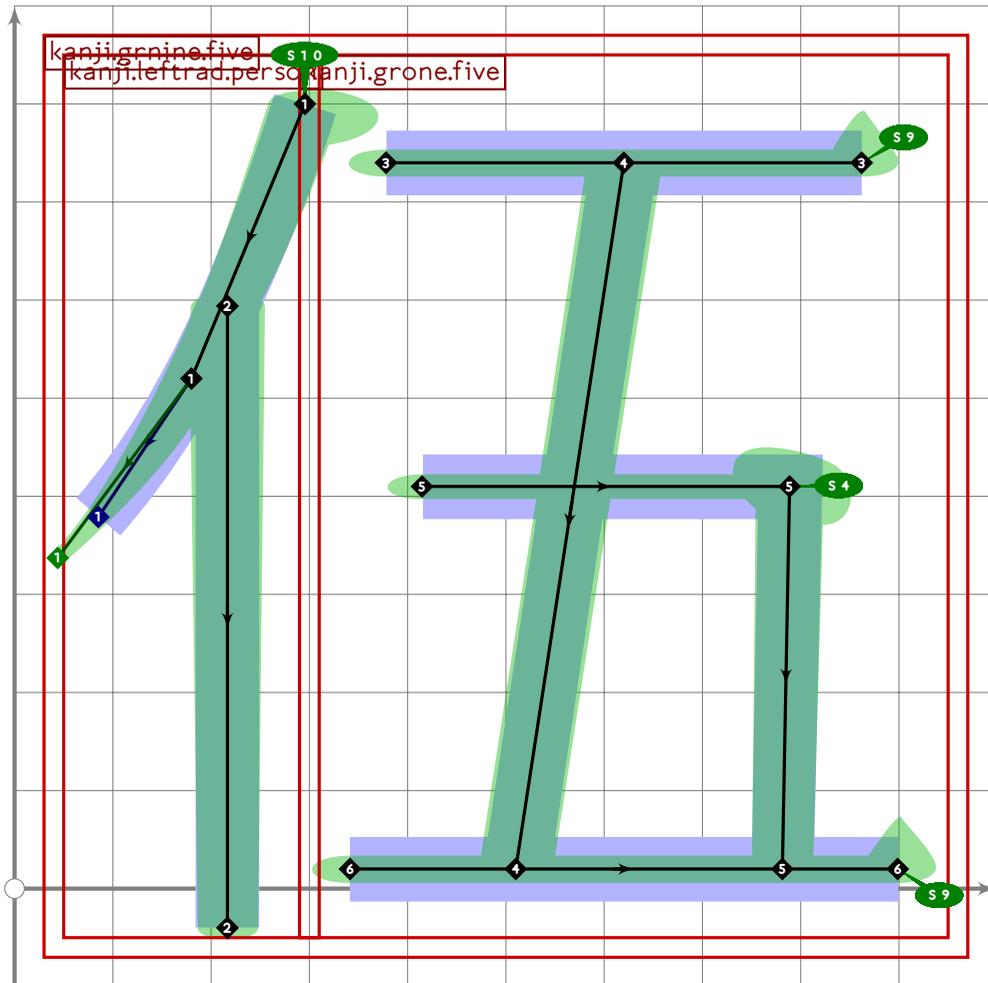


4F

```
317
318 vardef kanji.greight.worldly =
319   push_pbox_toexpand("kanji.greight.worldly");
320   build_kanji.lr(300,20)
321     (kanji.leftrad.person)
322     (kanji.grtwo.valley);
323   expand_pbox;
324 enddef;
325
326
```

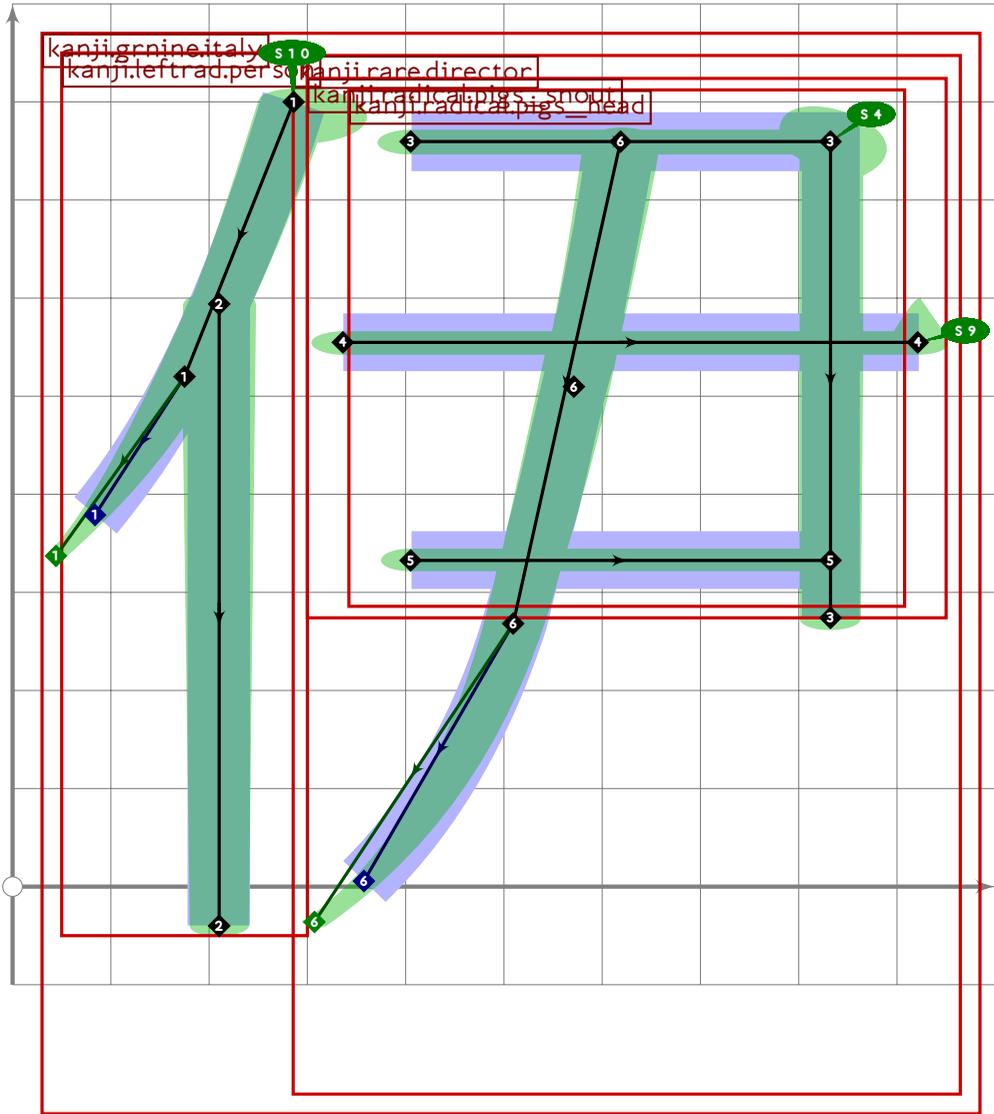


```
327  
328 vardef kanji.grnine.assist =  
329   push_pbox_toexpand("kanji.grnine.assist");  
330   build_kanji.lr(300,40)  
331     (kanji.leftrad.person)  
332     (kanji.grone.right);  
333   expand_pbox;  
334 enddef;
```

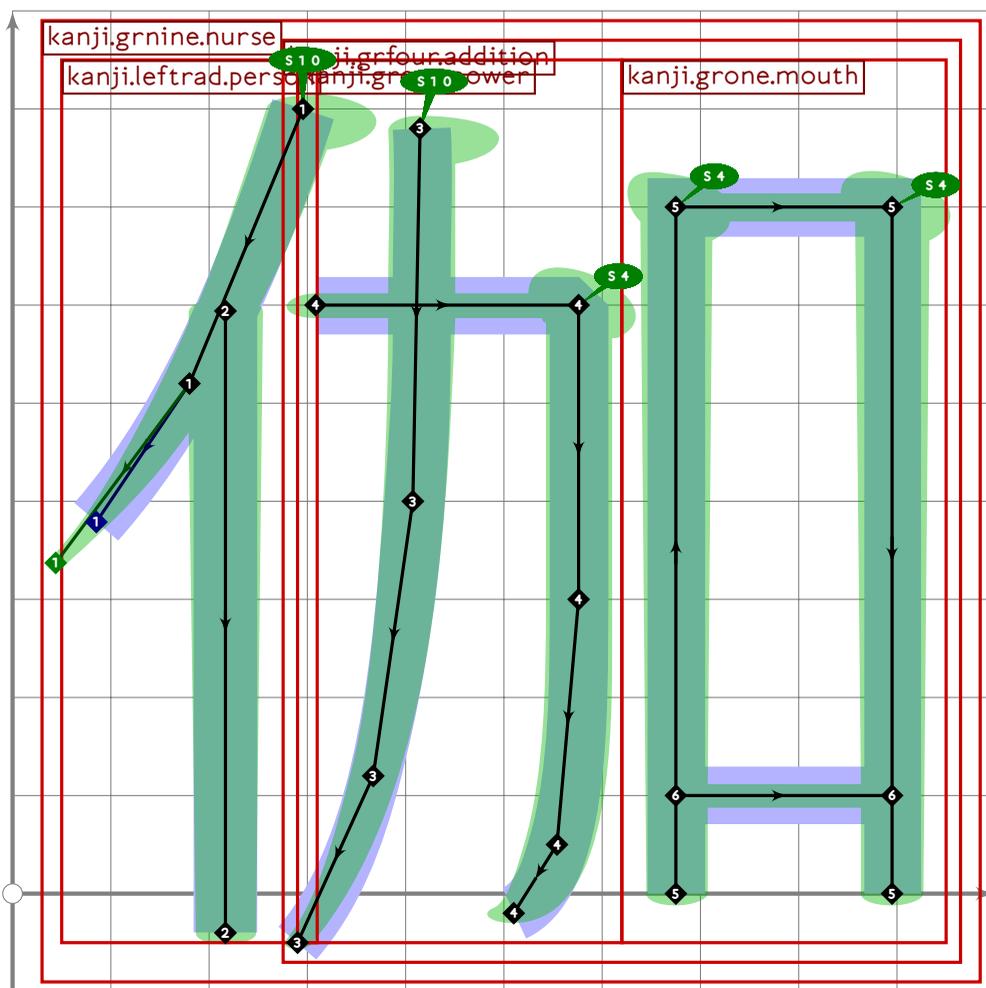


4F

```
335  
336 vardef kanji.grnine.five =  
337   push_pbox_toexpand("kanji.grnine.five");  
338   build_kanji.lr(300,20)  
339     (kanji.leftrad.person)  
340     (kanji.grone.five);  
341   expand_pbox;  
342 enddef;
```

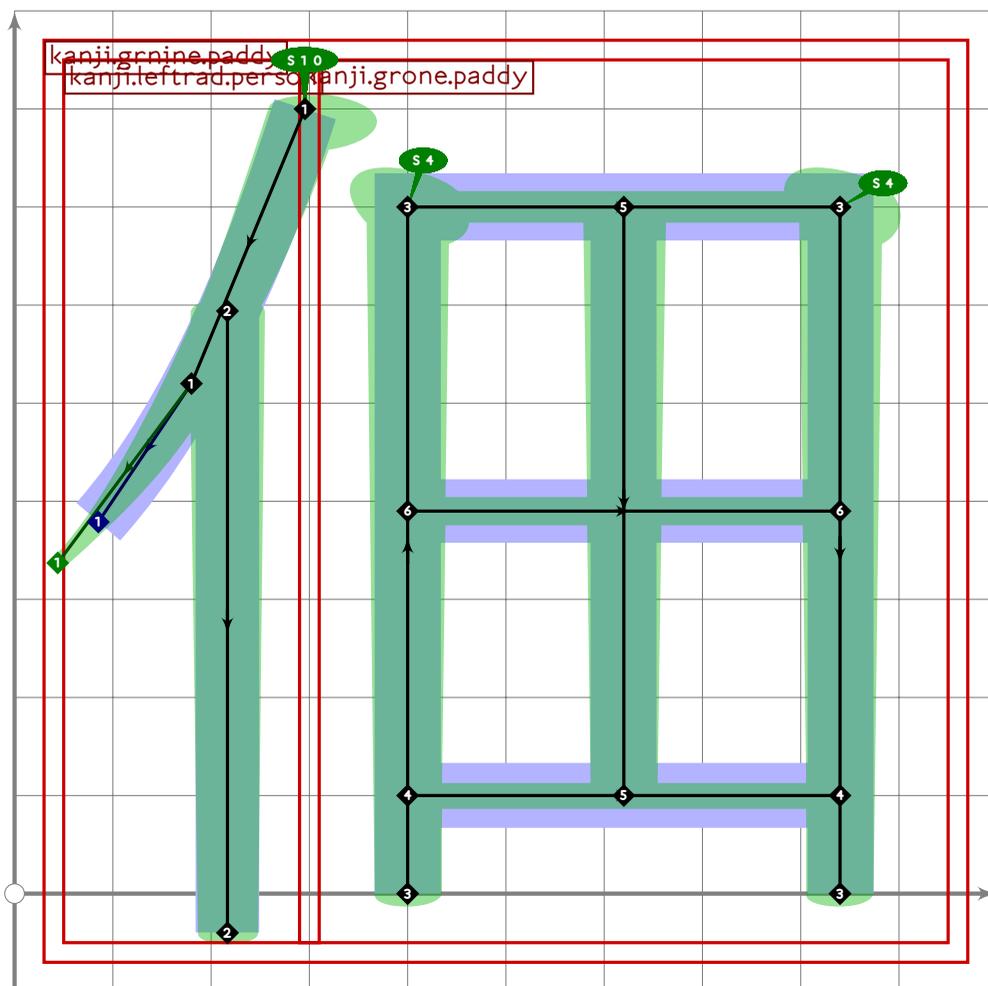


```
343  
344 vardef kanji.grnine.italy =  
345   push_pbox_toexpand("kanji.grnine.italy");  
346   build_kanji.lr(300,0)  
347     (kanji.leftrad.person)  
348     (tsu_xform(identity shifted (0,-900) yscaled 1.17 shifted (0,900))  
349       (kanji.rare.director));  
350   expand_pbox;  
351 enddef;
```

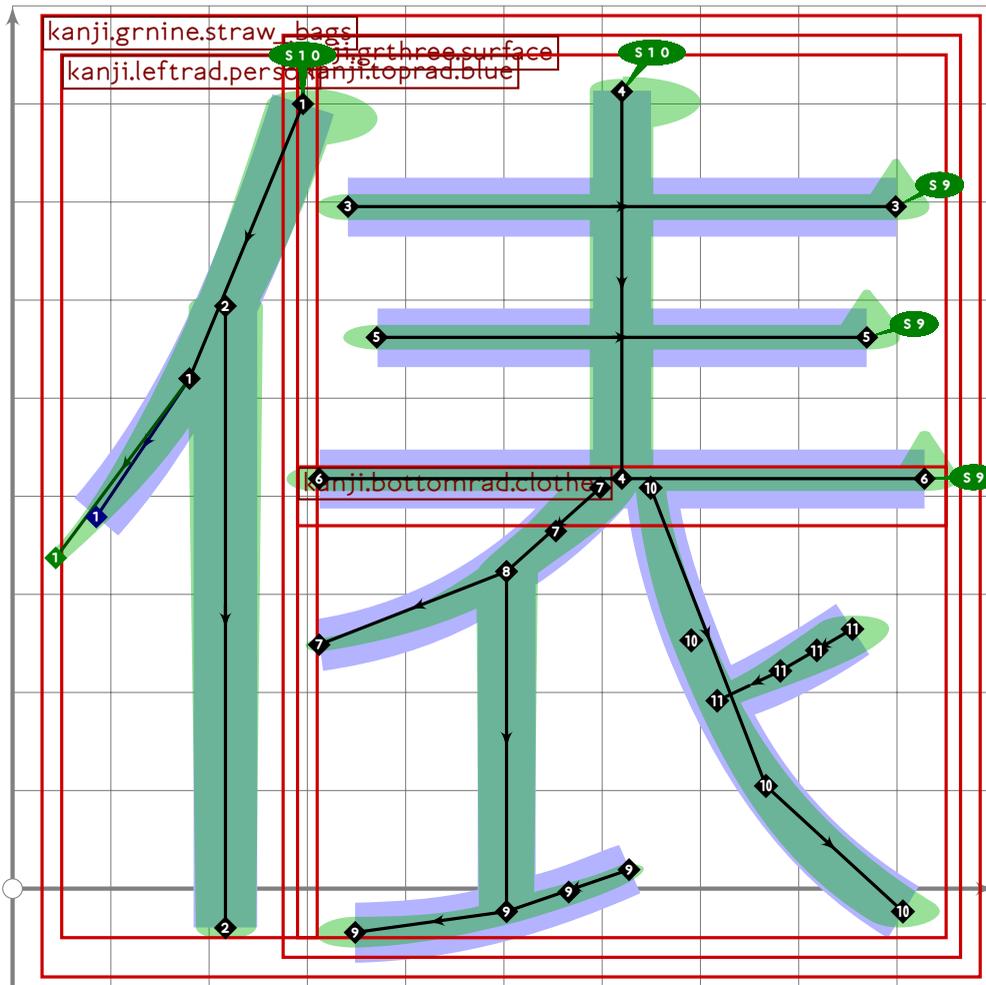


4F

```
352
353 vardef kanji.grnine.nurse =
354   push_pbox_toexpand("kanji.grnine.nurse");
355   build_kanji.lr(300,20)
356     (kanji.leftrad.person)
357     (kanji.grfour.addition);
358   expand_pbox;
359 enddef;
```

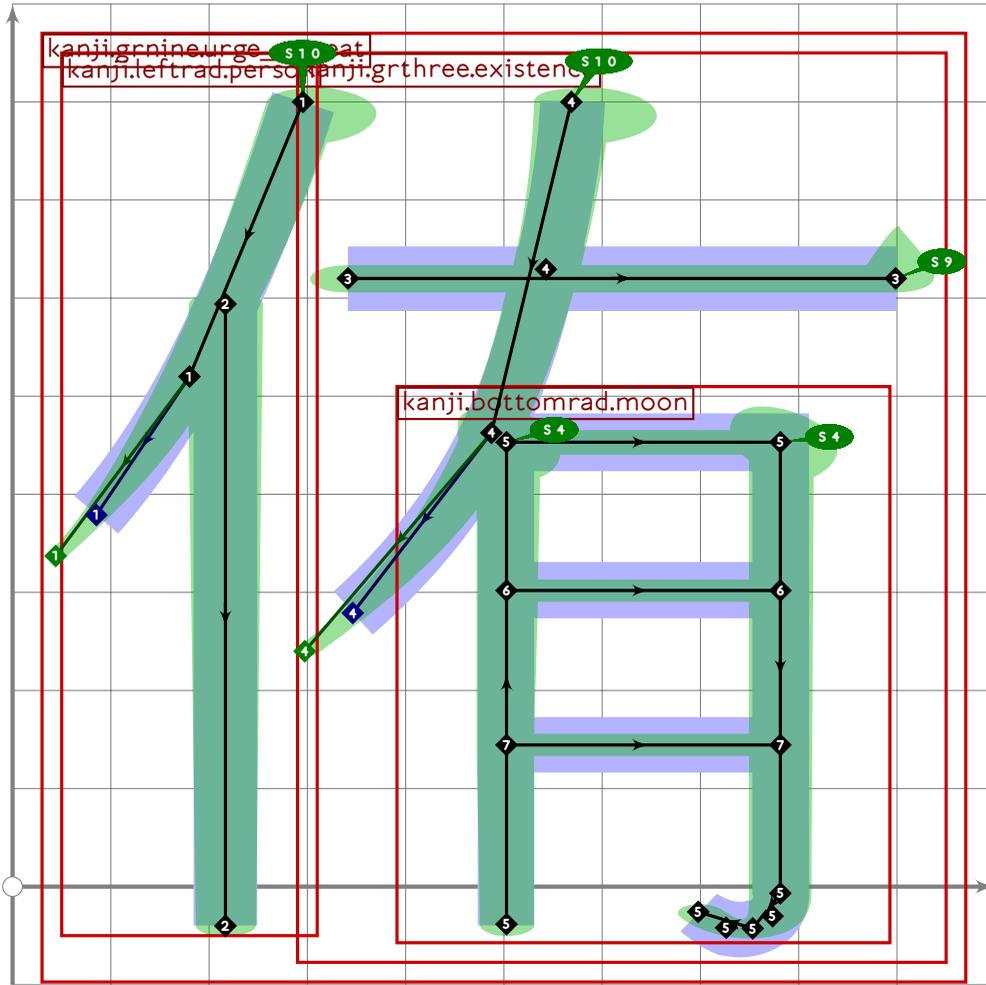


```
360  
361 vardef kanji.grnine.paddy =  
362   push_pbox_toexpand("kanji.grnine.paddy");  
363   build_kanji.lr(300,20)  
364     (kanji.leftrad.person)  
365     (kanji.grone.paddy);  
366   expand_pbox;  
367 enddef;
```

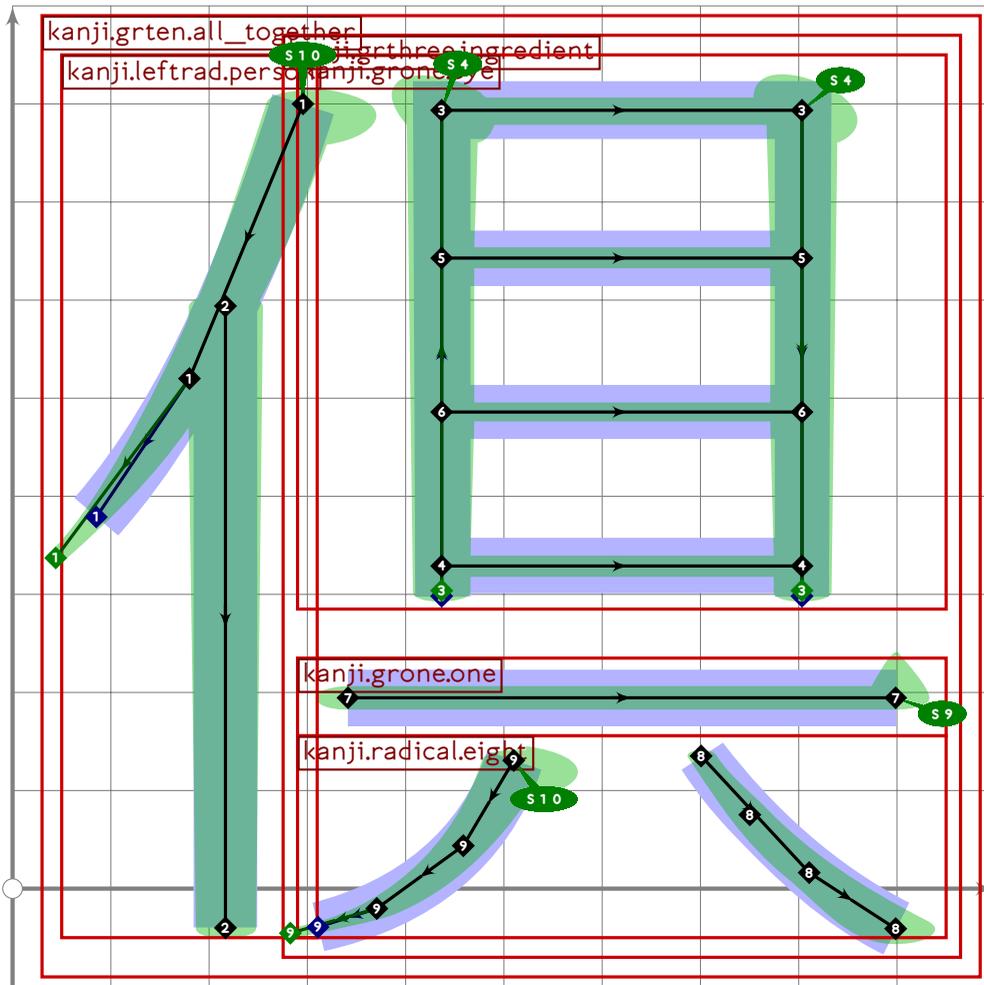


4F

```
368
369 vardef kanji.grnine.straw_bags =
370   push_pbox_toexpand("kanji.grnine.straw_bags");
371   build_kanji.lr(300,20)
372     (kanji.leftrad.person)
373     (kanji.grthree.surface);
374   expand_pbox;
375 enddef;
```



```
376
377 vardef kanji.grnine.urge_to_eat =
378   push_pbox_toexpand("kanji.grnine.urge_to_eat");
379   build_kanji.lr(300,20)
380     (kanji.leftrad.person)
381     (kanji.grthree.existence);
382   expand_pbox;
383 enddef;
384
385
```



4F

```

386
387 vardef kanji.grten.all_together =
388   push_pbox_toexpand("kanji.grten.all_together");
389   build_kanji.lr(300,20)
390     (kanji.leftrad.person)
391     (kanji.grthree.ingredient);
392   expand_pbox;
393 enddef;

```

394
395

```

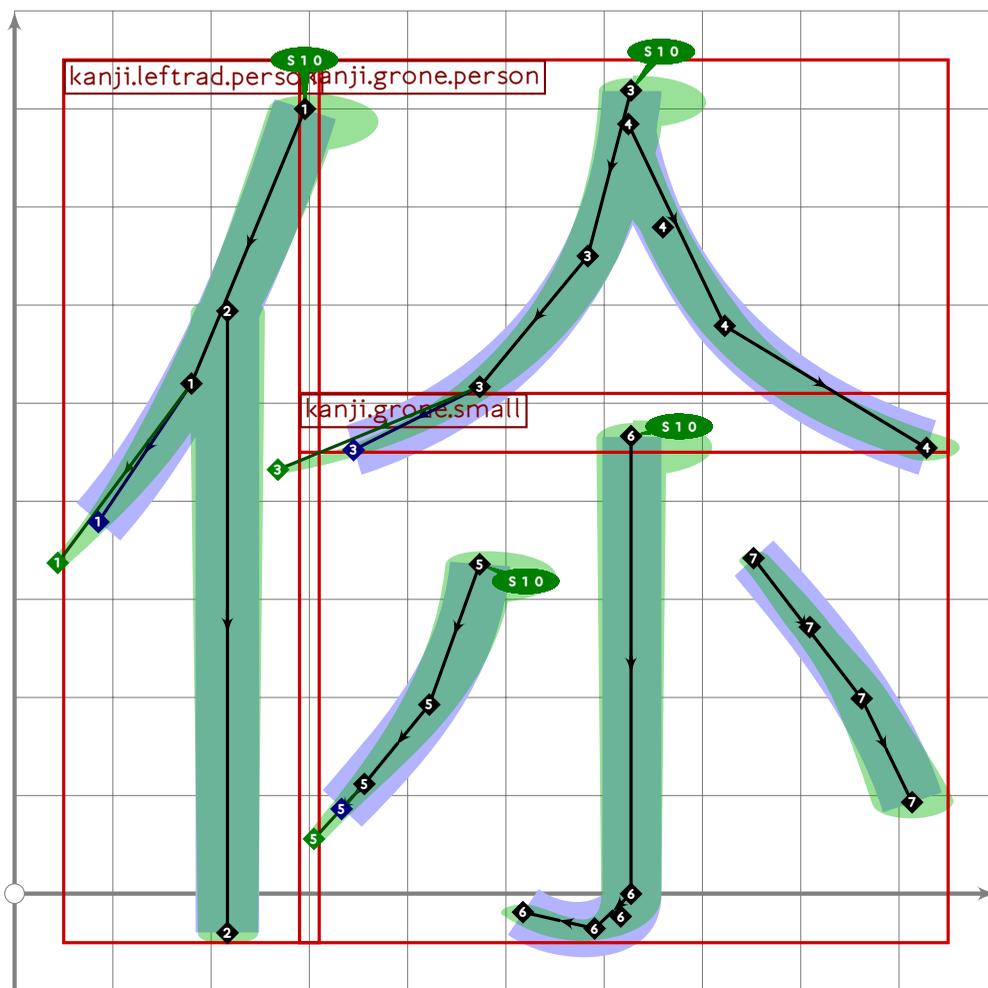
396
397 % i/kare "Italy"
398 begintsuglyph("uni4FOA";10);
399 kanji.grnine.italy;
400 tsu_render;
401 endtsuglyph;
402
403 % go/itsutsu "five"
404 begintsuglyph("uni4FOD";13);
405 kanji.grnine.five;
406 tsu_render;

```

[see page 2096]

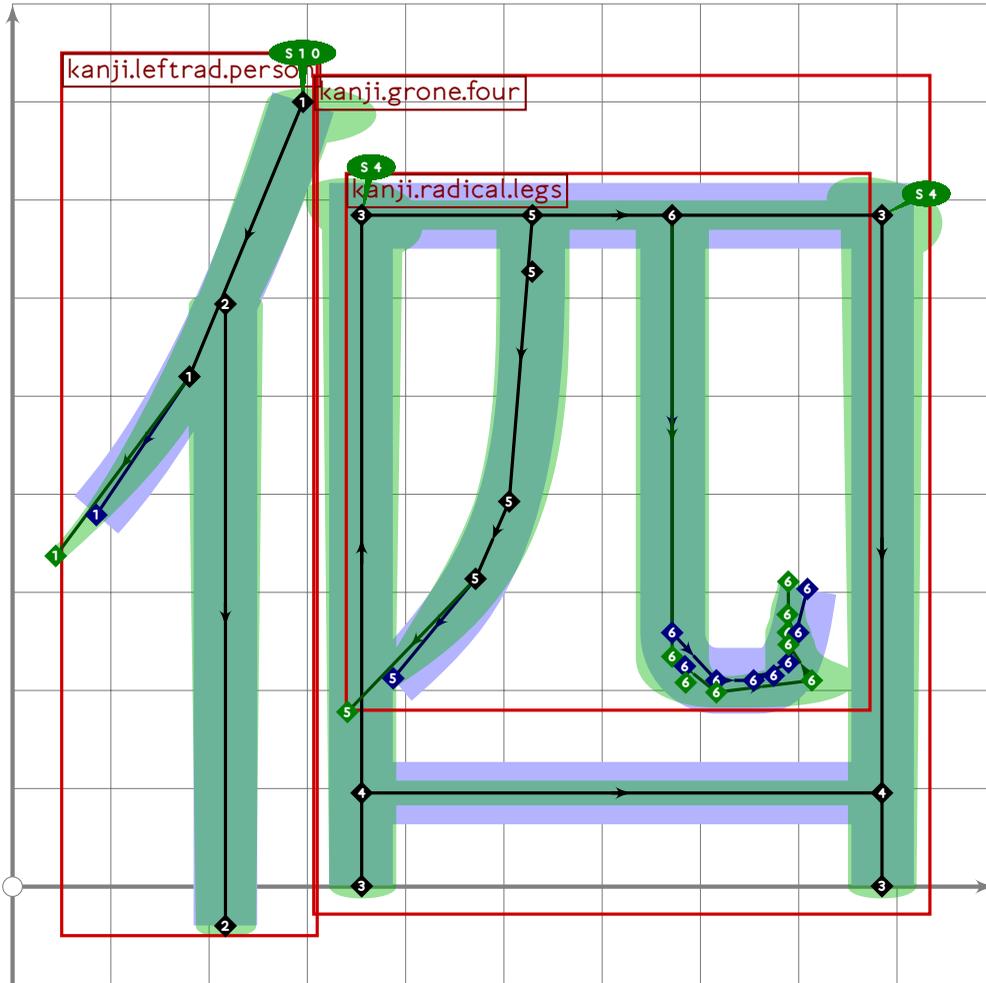
[see page 2095]

407 endtsuglyph;
 408
 409 % gi/waza "skill"
 410 begintsuglyph("uni4F0E";14); [see page 2090]
 411 kanji.greight.skill;
 412 tsu_render;
 413 endtsuglyph;
 414
 415 % fuku/fu "prostrate"
 416 begintsuglyph("uni4F0F";15); [see page 965]
 417 kanji.greight.prostrate;
 418 tsu_render;
 419 endtsuglyph;
 420
 421 % batsu/ki "strike"
 422 begintsuglyph("uni4F10";16); [see page 975]
 423 kanji.greight.strike;
 424 tsu_render;
 425 endtsuglyph;
 426
 427 % yasu "vacation"
 428 begintsuglyph("uni4F11";17); [see page 487]
 429 kanji.grone.vacation;
 430 tsu_render;
 431 endtsuglyph;
 432
 433 % kai/a "meet"
 434 begintsuglyph("uni4F1A";26); [see page 548]
 435 kanji.grtwo.meet;
 436 tsu_render;
 437 endtsuglyph;
 438
 439 % den/tsuta "tradition"
 440 begintsuglyph("uni4F1D";29); [see page 2072]
 441 kanji.grfour.tradition;
 442 tsu_render;
 443 endtsuglyph;
 444
 445 % haku "earl"
 446 begintsuglyph("uni4F2F";47); [see page 2082]
 447 kanji.greight.earl;
 448 tsu_render;
 449 endtsuglyph;
 450



```
451 % extra
452 begintsuglyph("uni4F31";49);
453 build_kanji.lr(300,20)
454 (kanji.leftrad.person)
455 (build_kanji.tb(480,60)
456 (kanji.grone.person)
457 (kanji.grone.small));
458 tsu_render;
459 endtsuglyph;
460
461 % han/tomona "accompany"
462 begintsuglyph("uni4F34";52);
463 kanji.greight.accompany;
464 tsu_render;
465 endtsuglyph;
466
```

[see page 2078]



```

467 % extra
468 begintsuglyph("uni4F35";53);
469 build_kanji.lr(300,20)
470 (kanji.leftrad.person)
471 (build_kanji.sscale(scaled 0.95)(kanji.grone.four));
472 tsu_render;
473 endtsuglyph;
474
475 % shin/no "elongate"
476 begintsuglyph("uni4F38";56);
477 kanji.greight.elongate;
478 tsu_render;
479 endtsuglyph;
480
481 % shi/ukaga "inquiry"
482 begintsuglyph("uni4F3A";58);
483 kanji.greight.inquiry;
484 tsu_render;
485 endtsuglyph;
486
487 % ji/ni "imitate"

```

[see page 2083]

[see page 2086]

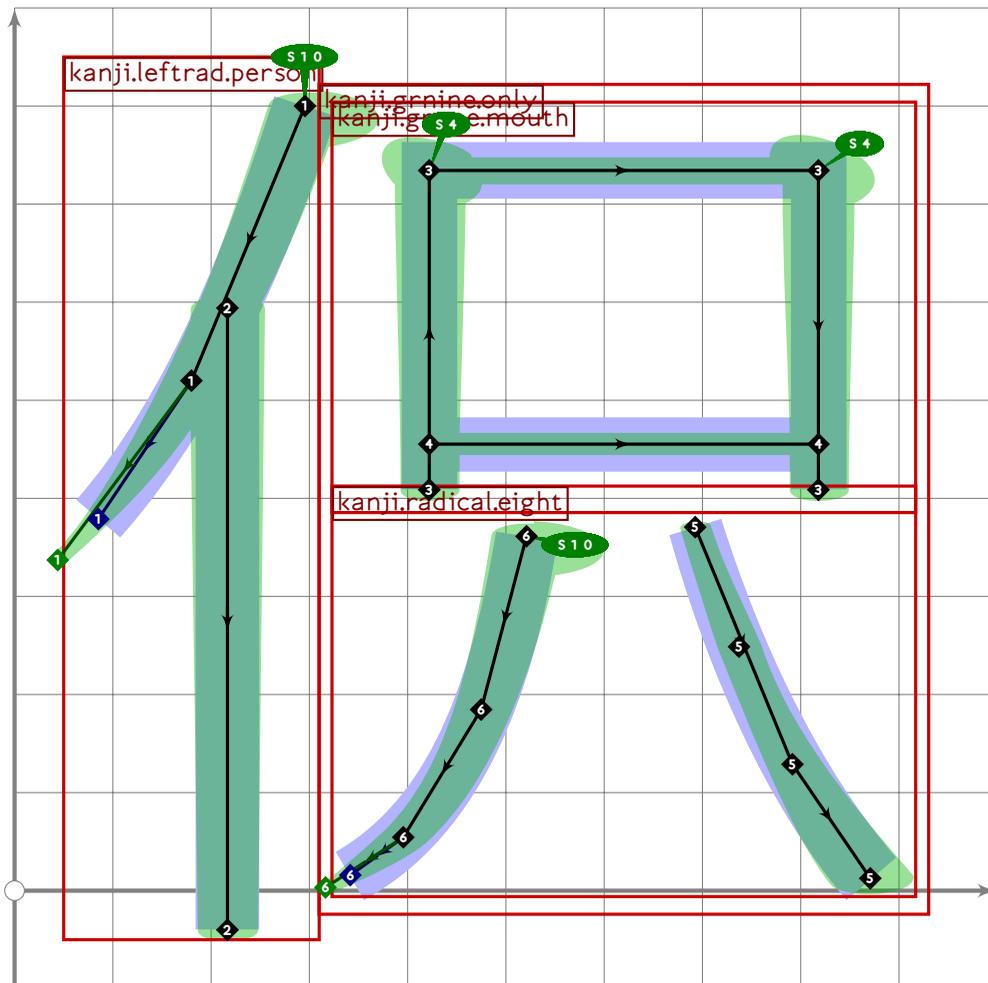
```

488 begintsuglyph("uni4F3C";60);
489 kanji.grfive.imitate;
490 tsu_render;
491 endtsuglyph;
492
493 % ka/togi "nurse"
494 begintsuglyph("uni4F3D";61);
495 kanji.grnine.nurse;
496 tsu_render;
497 endtsuglyph;
498

```

[see page 2074]

[see page 2097]



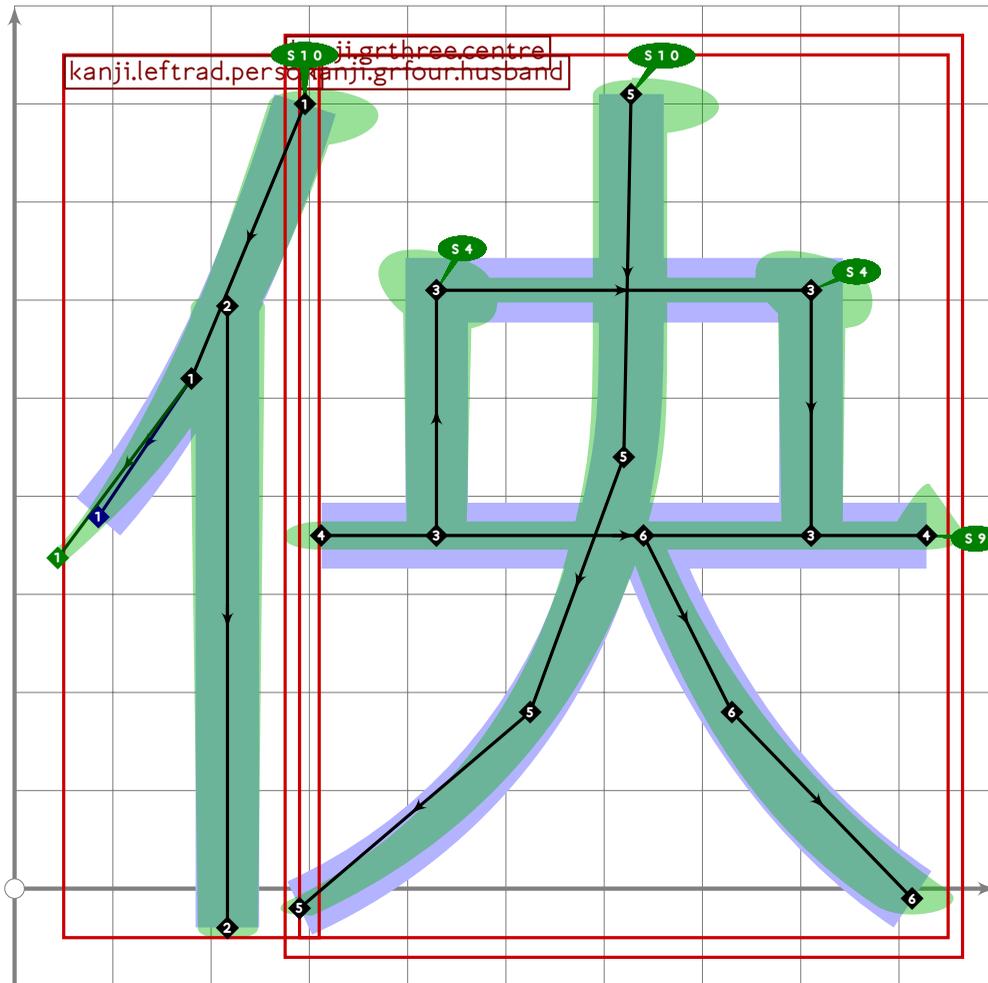
```

499 % extra
500 begintsuglyph("uni4F3F";63);
501 build_kanji.lr(300,20)
502 (kanji.leftrad.person)
503 (build_kanji.sscale(scaled 0.9)(kanji.grnine.only));
504 tsu_render;
505 endtsuglyph;
506
507 % ten/tsukuda "cultivated paddy"
508 begintsuglyph("uni4F43";67);

```

[see page 2098]

509 kanji.grnine.paddy;
510 tsu_render;
511 endtsuglyph;
512
513 % tan/tada "however"
514 begintsuglyph("uni4F46";70); [see page 2085]
515 kanji.greight.however;
516 tsu_render;
517 endtsuglyph;
518
519 % i/kurai "rank"
520 begintsuglyph("uni4F4D";77); [see page 2071]
521 kanji.grfour.rank;
522 tsu_render;
523 endtsuglyph;
524
525 % tei/hiku "low" or "humble"
526 begintsuglyph("uni4F4E";78); [see page 2070]
527 kanji.grfour.low;
528 tsu_render;
529 endtsuglyph;
530
531 % juu/su "dwell"
532 begintsuglyph("uni4F4F";79); [see page 2065]
533 kanji.grthree.dwell;
534 tsu_render;
535 endtsuglyph;
536
537 % suke "assistant"
538 begintsuglyph("uni4F50";80); [see page 2067]
539 kanji.grfour.assistant;
540 tsu_render;
541 endtsuglyph;
542
543 % suke "assistant"
544 begintsuglyph("uni4F51";81); [see page 2094]
545 kanji.grnine.assistant;
546 tsu_render;
547 endtsuglyph;
548



4F

```

549 % extra
550 begintsuglyph("uni4F52";82);
551   build_kanji.lr(300,20)
552     (kanji.leftrad.person)
553     (kanji.grthree centre);
554   tsu_render;
555 endsuglyph;
556
557 % tai/karada "substance"
558 begintsuglyph("uni4F53";83);
559   kanji.grtwo.substance;
560   tsu_render;
561 endsuglyph;
562
563 % ka/nani "what"
564 begintsuglyph("uni4F55";85);
565   kanji.grtwo.what;
566   tsu_render;
567 endsuglyph;
568
569 % yo/ama "surplus" ("ama" as in "amari yoku nai")

```

[see page 2063]

[see page 593]

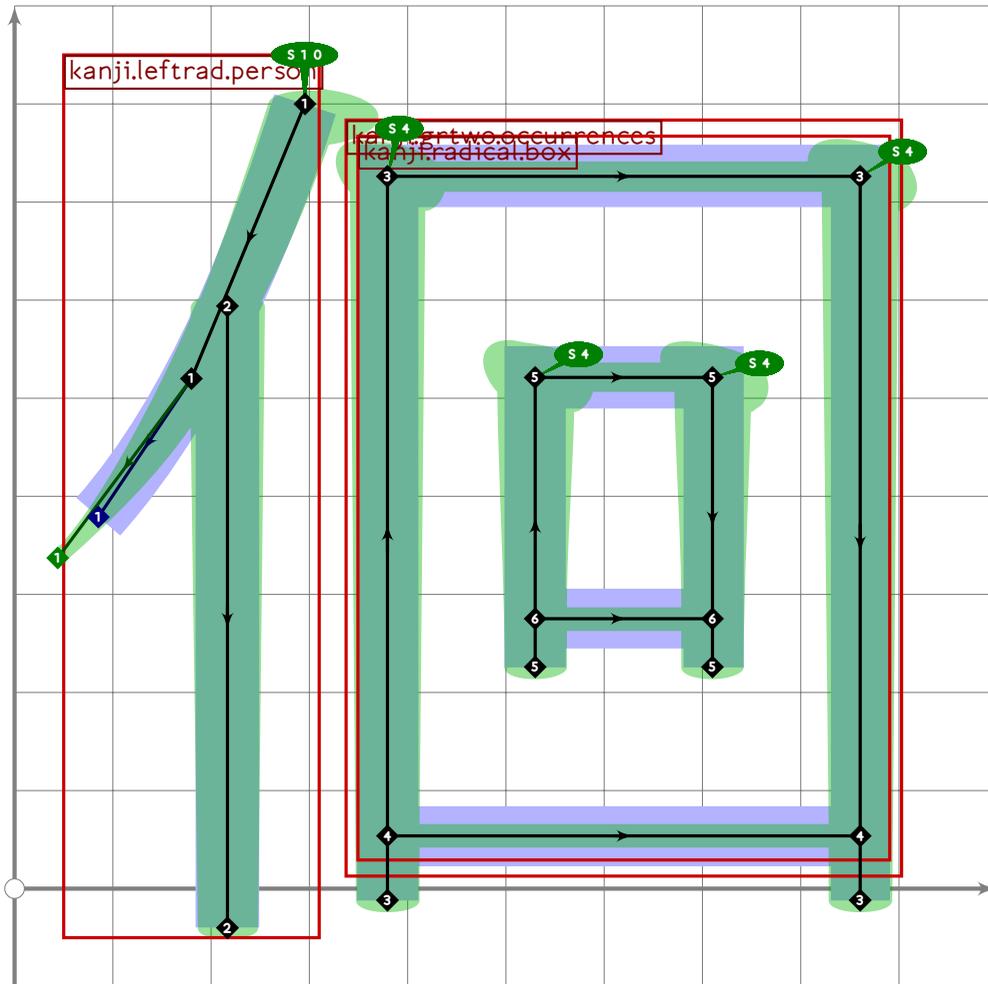
U+4F6A
tsuku.uni4F6A

```
570 begintsuglyph("uni4F59";89);  
571 kanji.grfive.surplus;  
572 tsu_render;  
573 endtsuglyph;  
574  
575 % tsuku "make"  
576 begintsuglyph("uni4F5C";92);  
577 kanji.grtwo.make;  
578 tsu_render;  
579 endtsuglyph;  
580
```

[see page 808]

[see page 544]

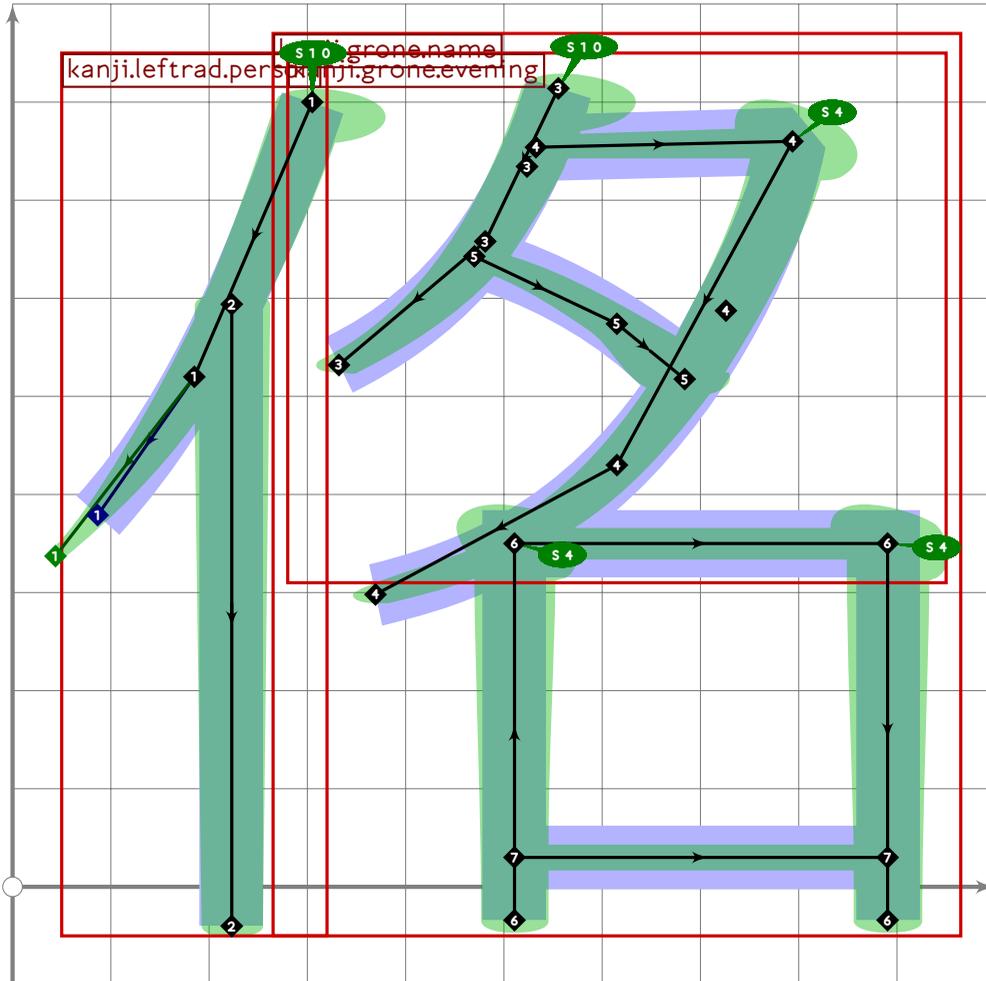
4F



```
581 % extra "hesitate"  
582 begintsuglyph("uni4F6A";106);  
583 build_kanji.lr(300,20)  
584 (kanji.leftrad.person)  
585 (build_kanji.sscale(scaled 0.82)(kanji.grtwo.occurrences));  
586 tsu_render;  
587 endtsuglyph;  
588  
589 % extra "centurion"  
590 begintsuglyph("uni4F70";112);
```

[see page 1044]

```
591 kanji.rare.centurion;
592 tsu_render;
593 endtsuglyph;
594
```



4F

```
595 % extra
596 begintsuglyph("uni4F72";114);
597 build_kanji.lr(300,40)
598 (kanji.leftrad.person)
599 (kanji.grone.name);
600 tsu_render;
601 endtsuglyph;
602
603 % ka "excellent"
604 begintsuglyph("uni4F73";115);
605 kanji.greight.excellent;
606 tsu_render;
607 endtsuglyph;
608
609 % hei/awa "unite"
610 begintsuglyph("uni4F75";117);
611 kanji.greight.unite;
```

[see page 2084]

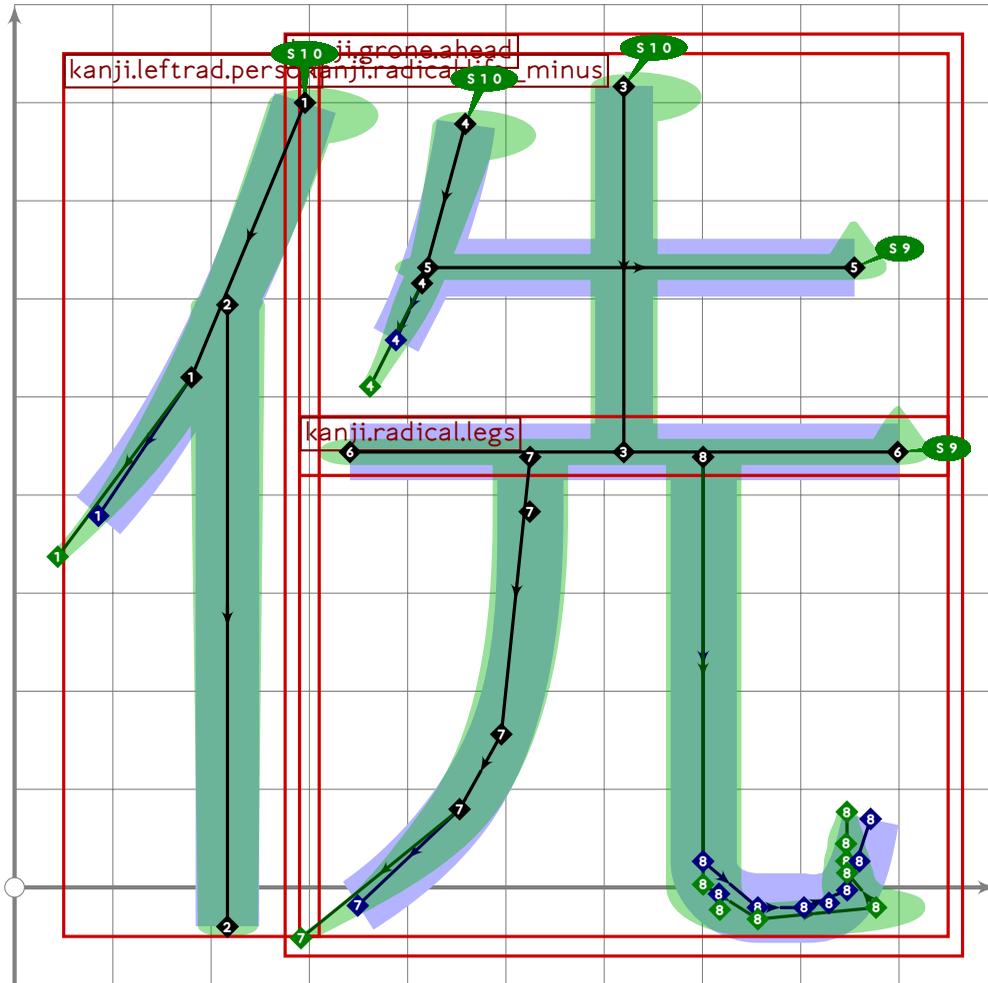
[see page 2091]

U+4F81
tsuku.uni4F81

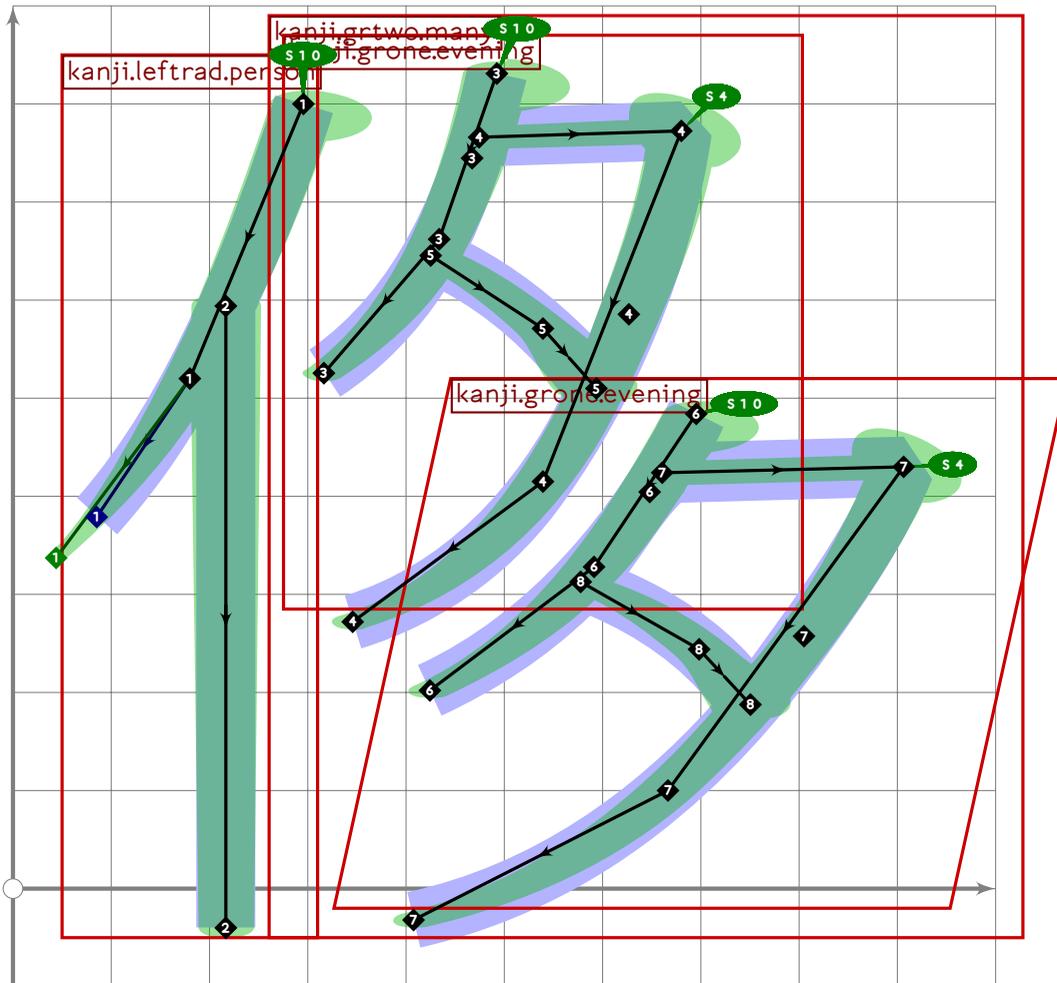
```
612 tsu_render;  
613 endsuglyph;  
614  
615 % shi/tsuka "use"  
616 begintsuglyph("uni4F7F";127);  
617 kanji.grthree.use;  
618 tsu_render;  
619 endsuglyph;  
620
```

[see page 2066]

4F



```
621 % extra  
622 begintsuglyph("uni4F81";129);  
623 build_kanji.lr(300,20)  
624 (kanji.leftrad.person)  
625 (kanji.grone.ahead);  
626 tsu_render;  
627 endsuglyph;  
628
```



4F

```

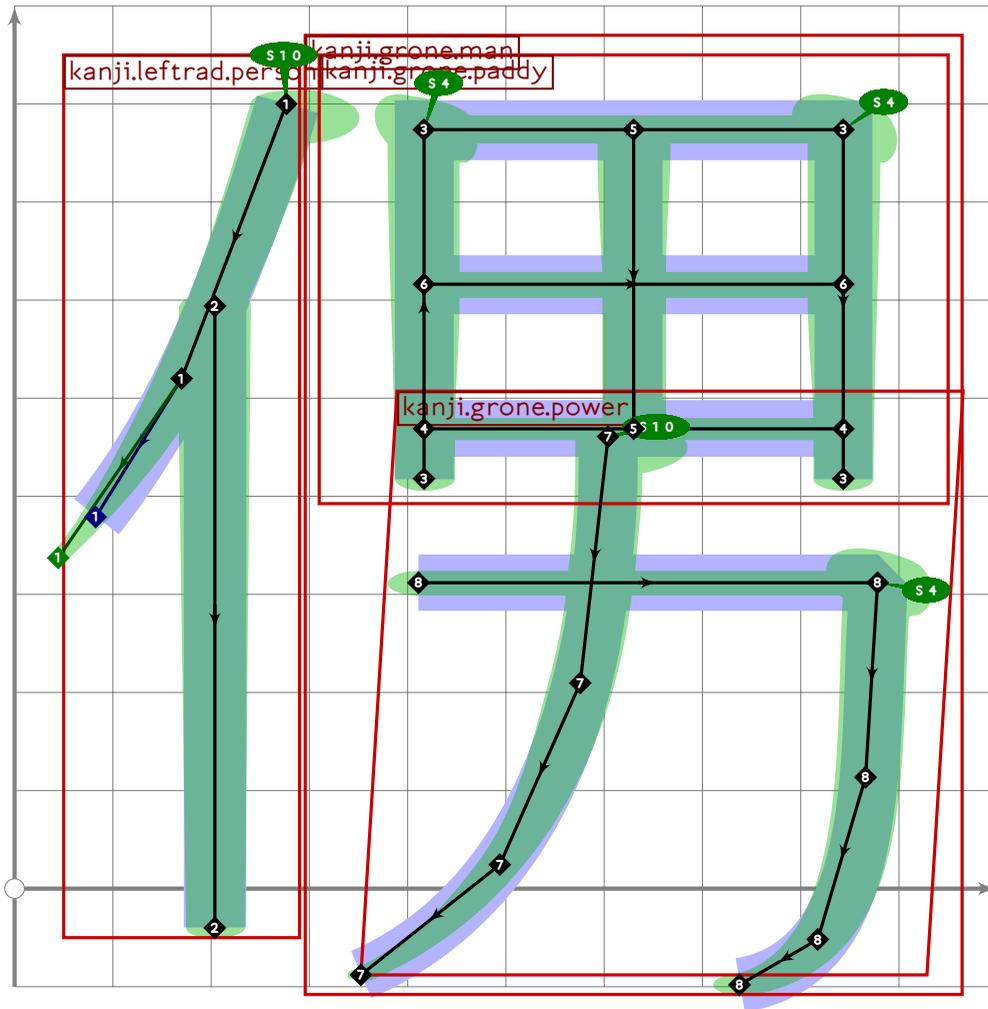
629 % extra "luxury"
630 begintsuglyph("uni4F88",136);
631 build_kanji.level(build_kanji.lr(300,20)
632 (kanji.leftrad.person)
633 (kanji.grtwo.many));
634 tsu_render;
635 endtsuglyph;
636
637 % rei/tato "example"
638 begintsuglyph("uni4F8B",139);
639 kanji.grfour.example;
640 tsu_render;
641 endtsuglyph;
642
643 % Chinese character needed for "yin"
644 begintsuglyph("uni4F8C",140);
645 kanji.rare.yin;
646 tsu_render;
647 endtsuglyph;
648
649 % ji/samurai "samurai"

```

[see page 2069]

[see page 1106]

650 begintsuglyph("uni4F8D";141); [see page 2088]
 651 kanji.greight.samurai;
 652 tsu_render;
 653 endtsuglyph;
 654
 655 % yuu/susu "urge [another] to eat"
 656 begintsuglyph("uni4F91";145); [see page 2100]
 657 kanji.grnine.urge_to_eat;
 658 tsu_render;
 659 endtsuglyph;
 660
 661 % rin/omo "be methodical"
 662 begintsuglyph("uni4F96";150); [see page 1037]
 663 kanji.rare.be_methodical;
 664 tsu_render;
 665 endtsuglyph;
 666
 667 % kyuu/domo "offer"
 668 begintsuglyph("uni4F9B";155); [see page 2077]
 669 kanji.grsix.offer;
 670 tsu_render;
 671 endtsuglyph;
 672
 673 % i/yo "dependency"
 674 begintsuglyph("uni4F9D";157); [see page 2081]
 675 kanji.greight.dependency;
 676 tsu_render;
 677 endtsuglyph;
 678
 679 % ka/atai "price"
 680 begintsuglyph("uni4FA1";161); [see page 2075]
 681 kanji.grfive.price;
 682 tsu_render;
 683 endtsuglyph;
 684
 685 % bu/anado "scorn"
 686 begintsuglyph("uni4FAE";174); [see page 2089]
 687 kanji.greight.scorn;
 688 tsu_render;
 689 endtsuglyph;
 690
 691 % ryo/tomo "companion"
 692 begintsuglyph("uni4FB6";182); [see page 2080]
 693 kanji.greight.companion;
 694 tsu_render;
 695 endtsuglyph;
 696



4F

```

697 % extra
698 begintsuglyph("uni4FBD";189);
699 build_kanji.lr(300;-20)
700 (kanji.leftrad.person)
701 (kanji.grone.man);
702 tsu_render;
703 endsuglyph;
704
705 % ben/tayo "convenience"
706 begintsuglyph("uni4FBF";191);
707 kanji.grfour.convenience;
708 tsu_render;
709 endsuglyph;
710
711 % kei/kaka "person in charge"
712 begintsuglyph("uni4FC2";194);
713 kanji.grthree.duty_officer;
714 tsu_render;
715 endsuglyph;
716
717 % soku/unaga "urge"

```

[see page 697]

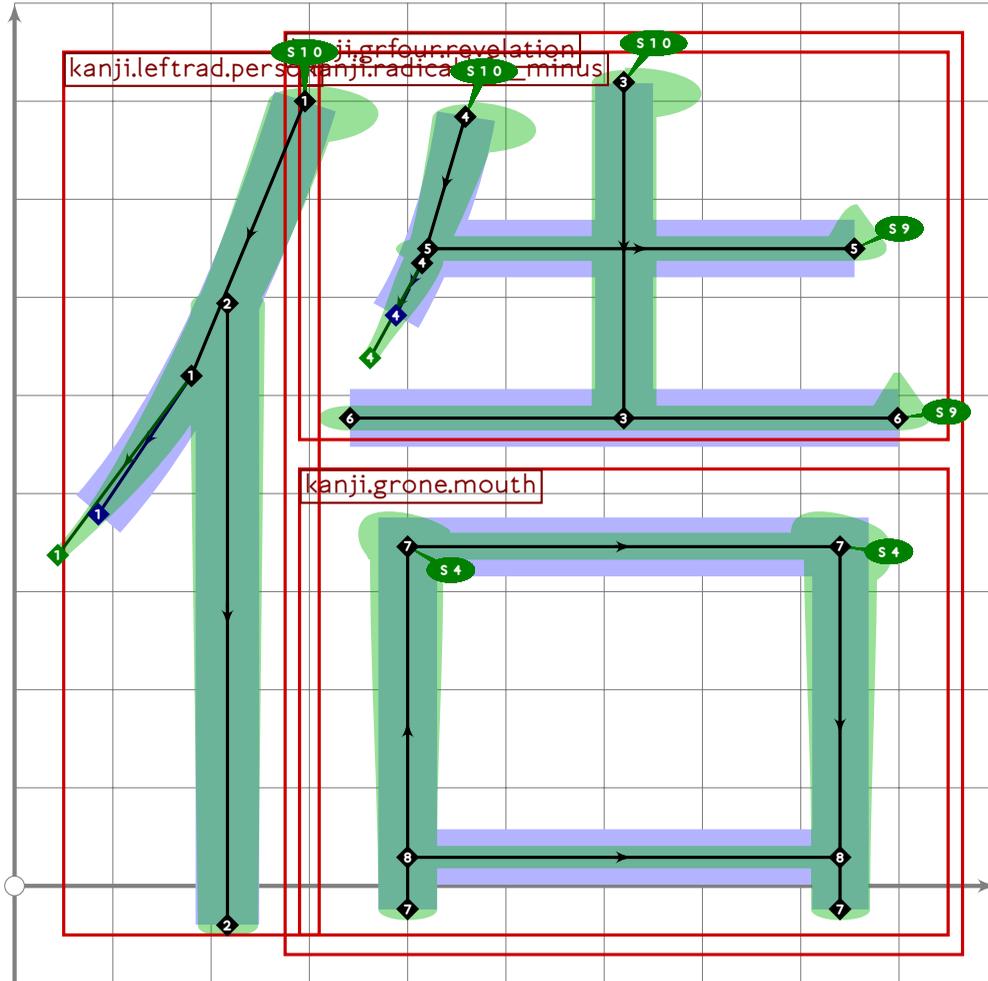
[see page 2064]

U+4FC8
tsuku.uni4FC8

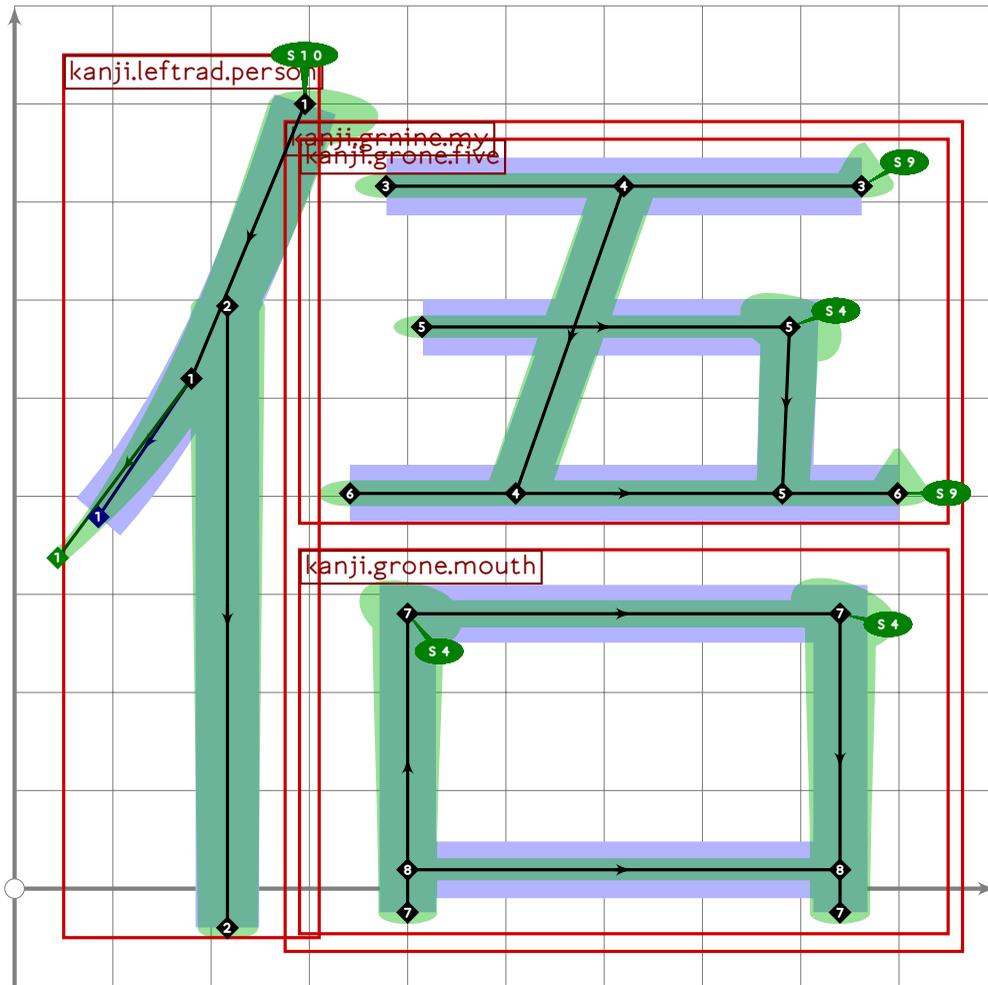
```
718 begintsuglyph("uni4FC3";195);  
719 kanji.greight.urge;  
720 tsu_render;  
721 endsuglyph;  
722
```

[see page 2092]

4F



```
723 % extra  
724 begintsuglyph("uni4FC8";200);  
725 build_kanji.lr(300,20)  
726 (kanji.leftrad.person)  
727 (kanji.grfour.revelation);  
728 tsu_render;  
729 endsuglyph;  
730
```



4F

```

731 % extra
732 begintsuglyph("uni4FC9";201);
733   build_kanji.lr(300,20)
734     (kanji.leftrad.person)
735     (build_kanji.sscale(yscaled 0.9 shifted (0,-40))
736       (kanji.grnine.my));
737   tsu_render;
738   endtsuglyph;
739
740 % ri/kashiko "clever"
741 begintsuglyph("uni4FD0";208);
742   kanji.greight.clever;
743   tsu_render;
744   endtsuglyph;
745
746 % zoku "worldly"
747 begintsuglyph("uni4FD7";215);
748   kanji.greight.worldly;
749   tsu_render;
750   endtsuglyph;
751

```

[see page 2079]

[see page 2093]

752 % ho/tamo "protect"
 753 begintsuglyph("uni4FDD";221); [see page 798]
 754 kanji.grfive.protect;
 755 tsu_render;
 756 endtsuglyph;
 757
 758 % extra needed for U+8F38
 759 begintsuglyph("uni4FDE";222); [see page 1033]
 760 kanji.rare.approve;
 761 tsu_render;
 762 endtsuglyph;
 763
 764 % shin "believe"
 765 begintsuglyph("uni4FE1";225); [see page 2068]
 766 kanji.grfour.believe;
 767 tsu_render;
 768 endtsuglyph;
 769
 770 % shuu/osa "discipline"
 771 begintsuglyph("uni4FEE";238); [see page 2073]
 772 kanji.grfive.discipline;
 773 tsu_render;
 774 endtsuglyph;
 775
 776 % ku/tamomi "all together"
 777 begintsuglyph("uni4FF1";241); [see page 2101]
 778 kanji.grten.all_together;
 779 tsu_render;
 780 endtsuglyph;
 781
 782 % hai "haiku"
 783 begintsuglyph("uni4FF3";243); [see page 2076]
 784 kanji.grsix.haiku;
 785 tsu_render;
 786 endtsuglyph;
 787
 788 % hyou/tawara "counter for straw bags"
 789 begintsuglyph("uni4FF5";245); [see page 2099]
 790 kanji.grnine.straw_bags;
 791 tsu_render;
 792 endtsuglyph;
 793
 794 % en/ore "me" (masculine, aggressive, more so than "boku")
 795 begintsuglyph("uni4FFA";250); [see page 2087]
 796 kanji.greight.me_macho;
 797 tsu_render;
 798 endtsuglyph;
 799

```
800 _____  
801  
802 endfont;  
803  
804 _____
```

tsuku-50.mp

50

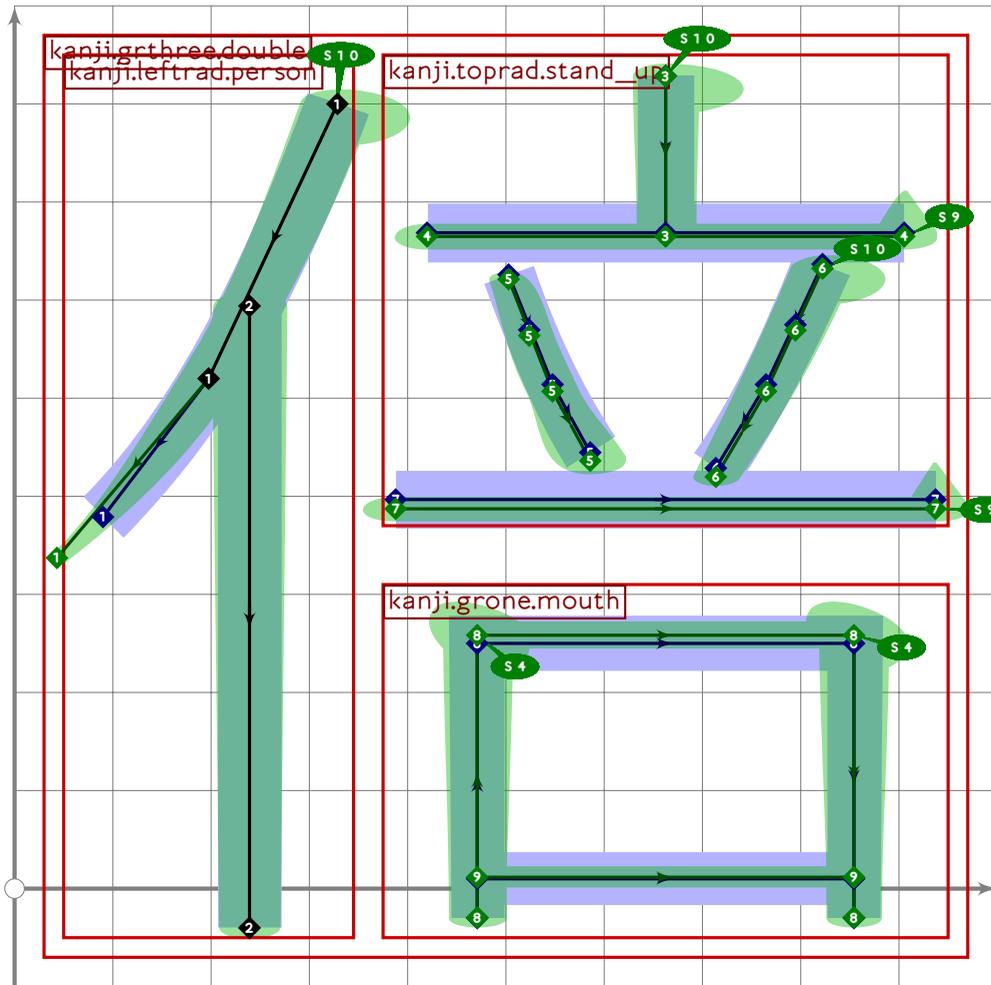
```
1 %
2 % Unicode page 50 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2017, 2019, 2021 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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 input toprad.mp;
51
52 do_late_includes;
53
54 

---

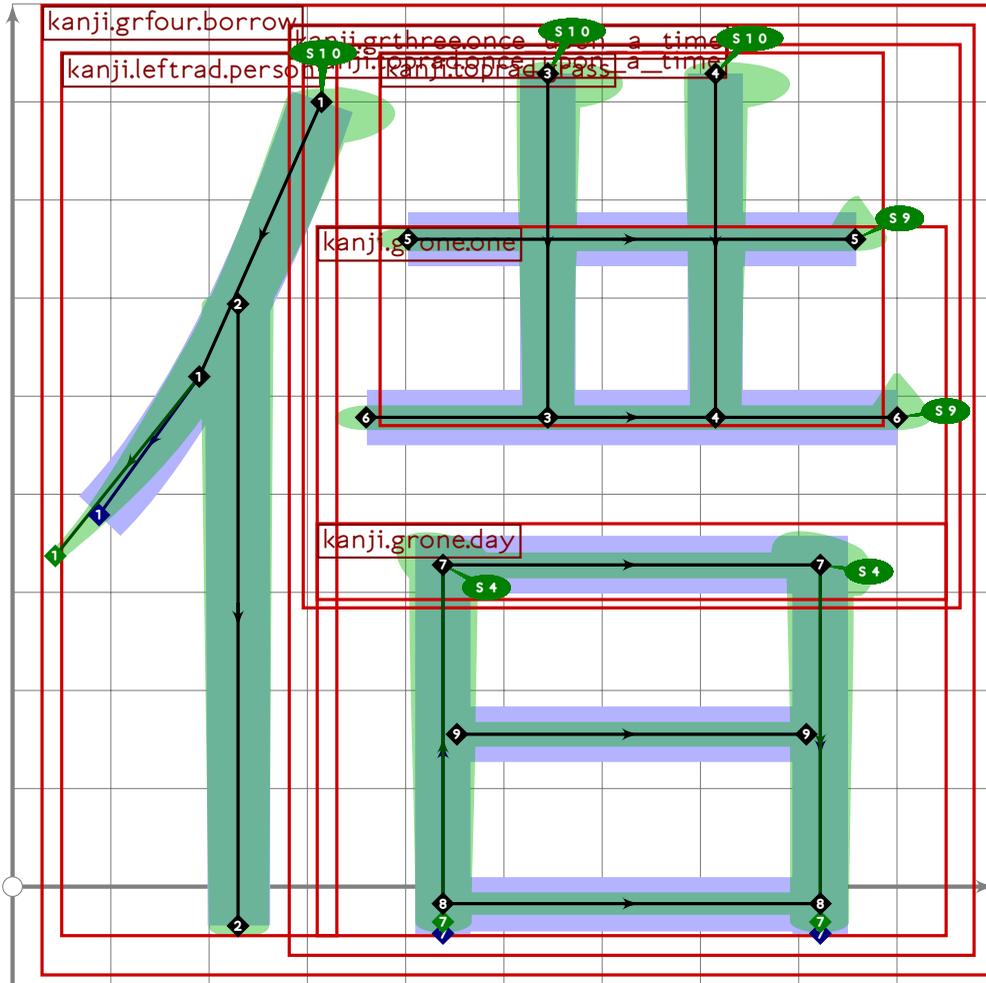

```



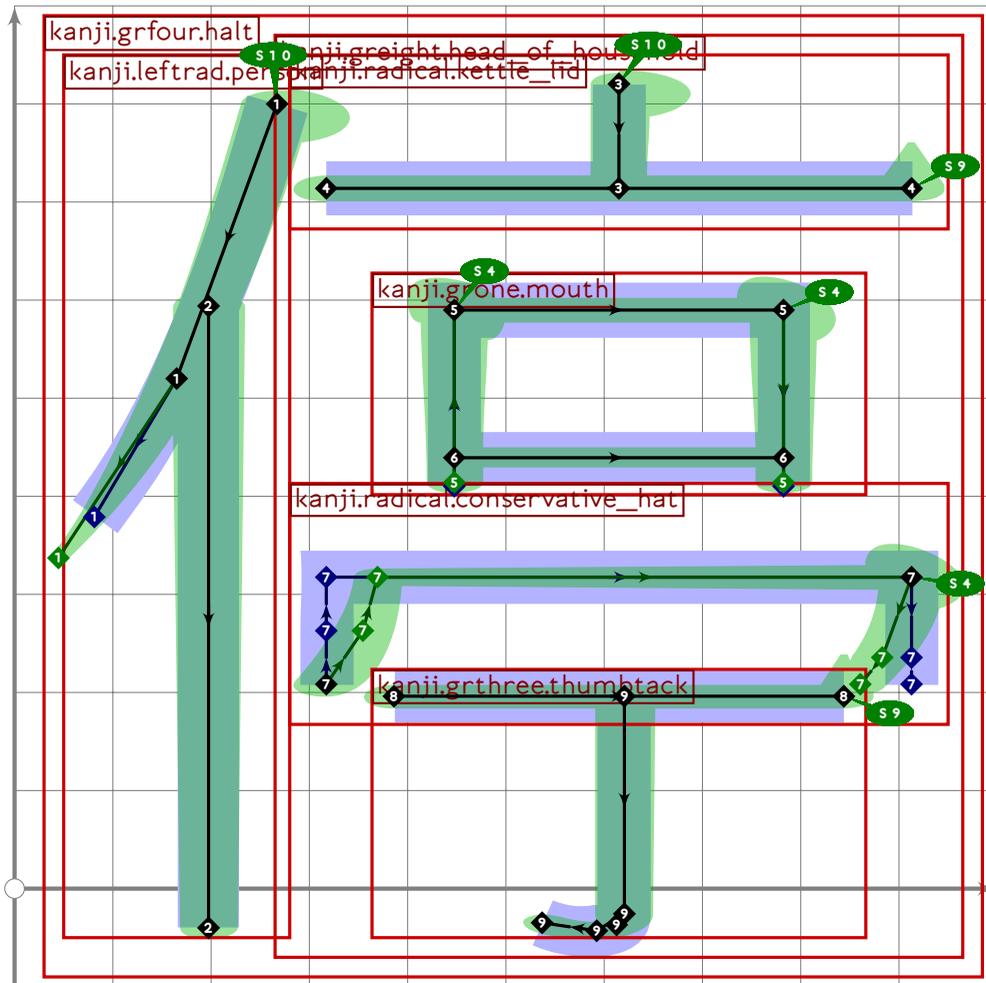
```

55
56 vardef kanji.grthree.double =
57   push_pbox_toexpand("kanji.grthree.double");
58   build_kanji.lr(360,-30)
59     (kanji.leftrad.person)
60     (build_kanji.tb(340;60+20*mincho)
61       (kanji.toprad.stand_up)
62       (kanji.grone.mouth));
63   expand_pbox;
64 enddef;
65
66

```



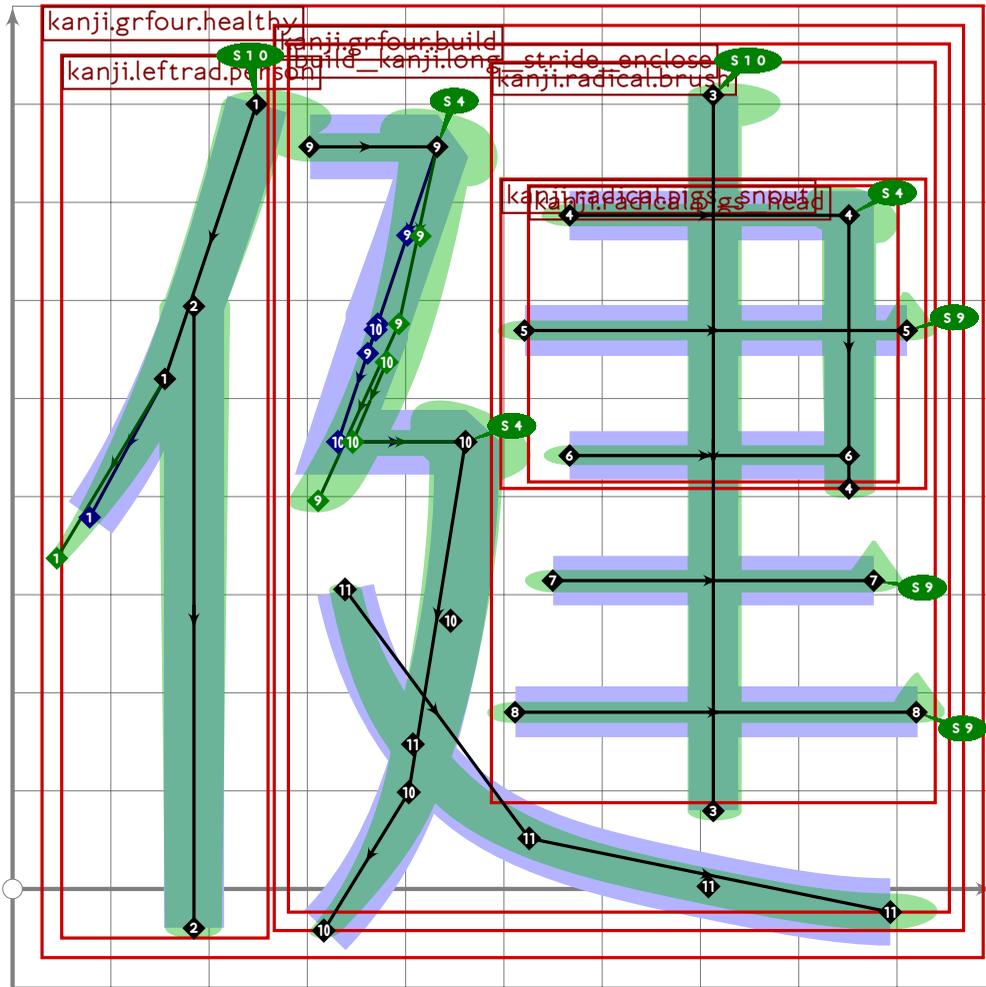
```
67
68 vardef kanji.grfour.borrow =
69   push_pbox_toexpand("kanji.grfour.borrow");
70   build_kanji.lr(320,20)
71     (kanji.leftrad.person)
72     (kanji.grthree.once_upon_a_time);
73   expand_pbox;
74 enddef;
```



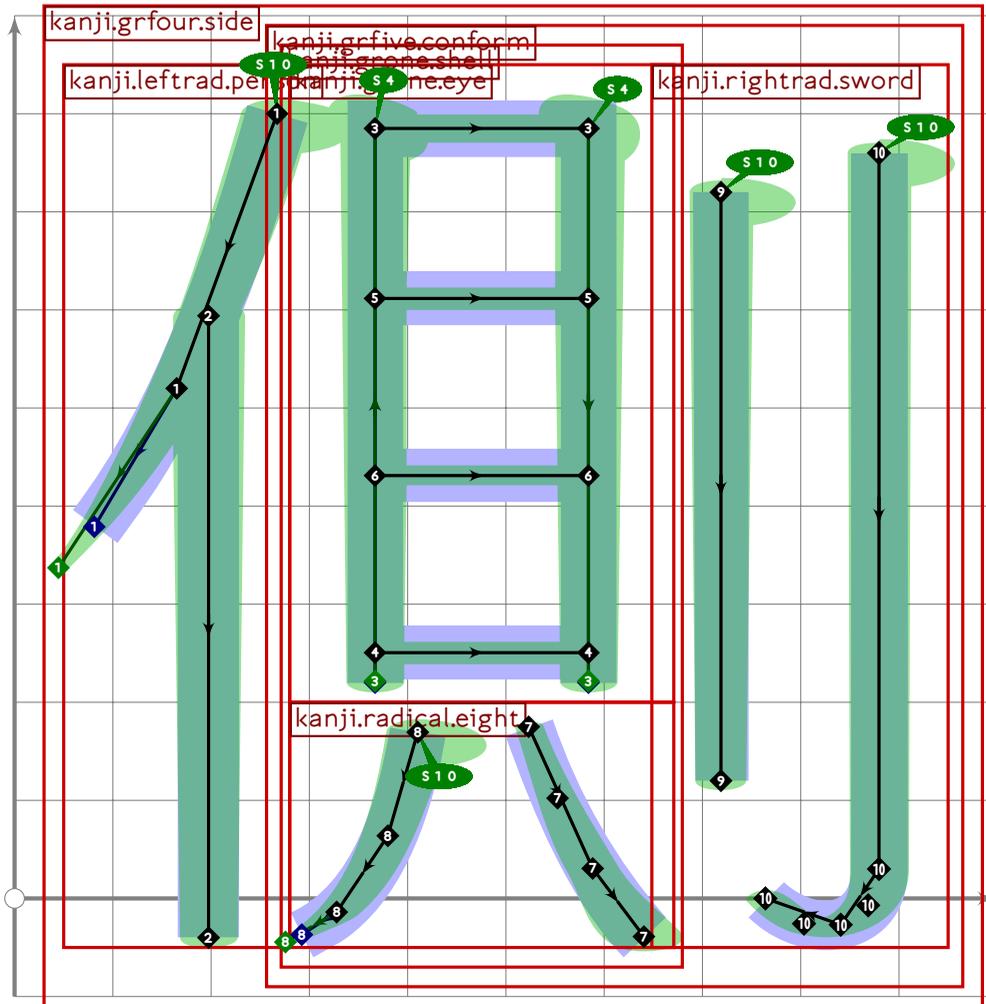
```

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

```



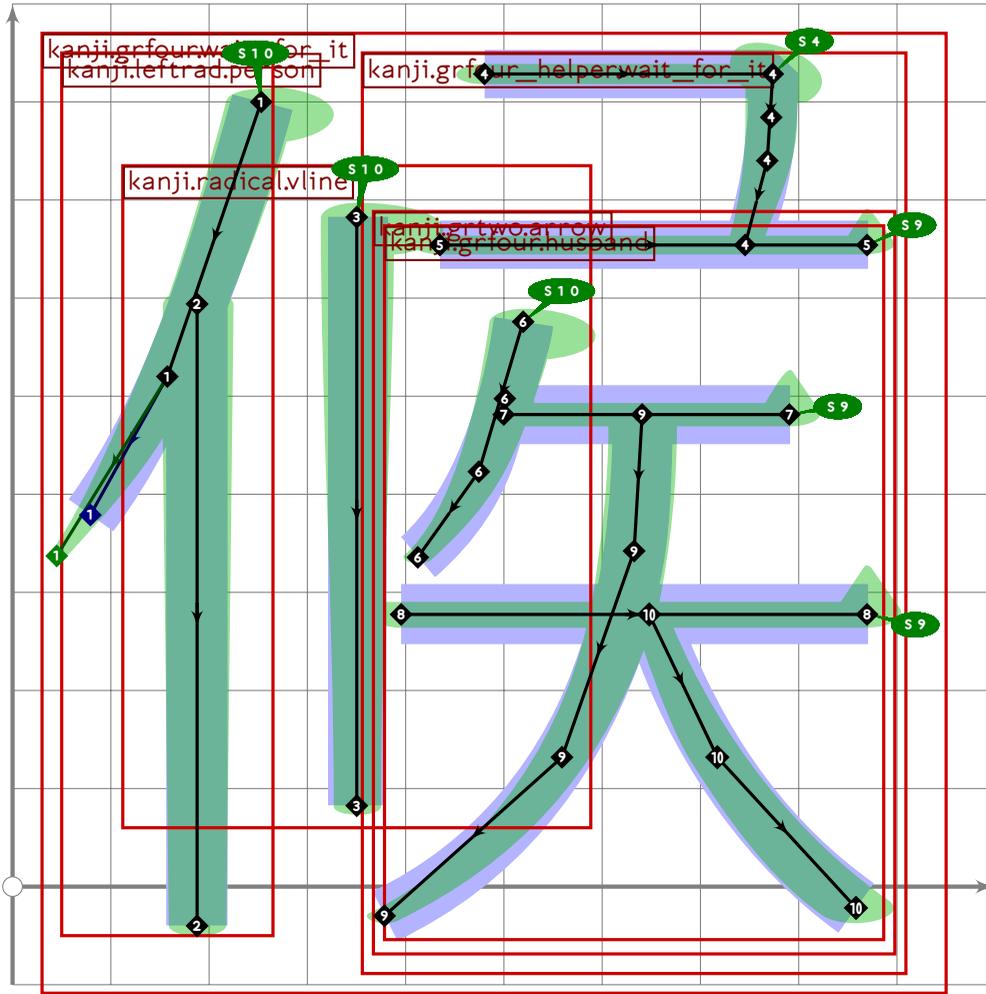
```
83  
84 vardef kanji.grfour.healthy =  
85   push_pbox_toexpand("kanji.grfour.healthy");  
86   build_kanji.lr(260,0)  
87     (kanji.leftrad.person)  
88     (build_kanji.sscale(scaled 0.94)(kanji.grfour.build));  
89   expand_pbox;  
90 enddef;
```



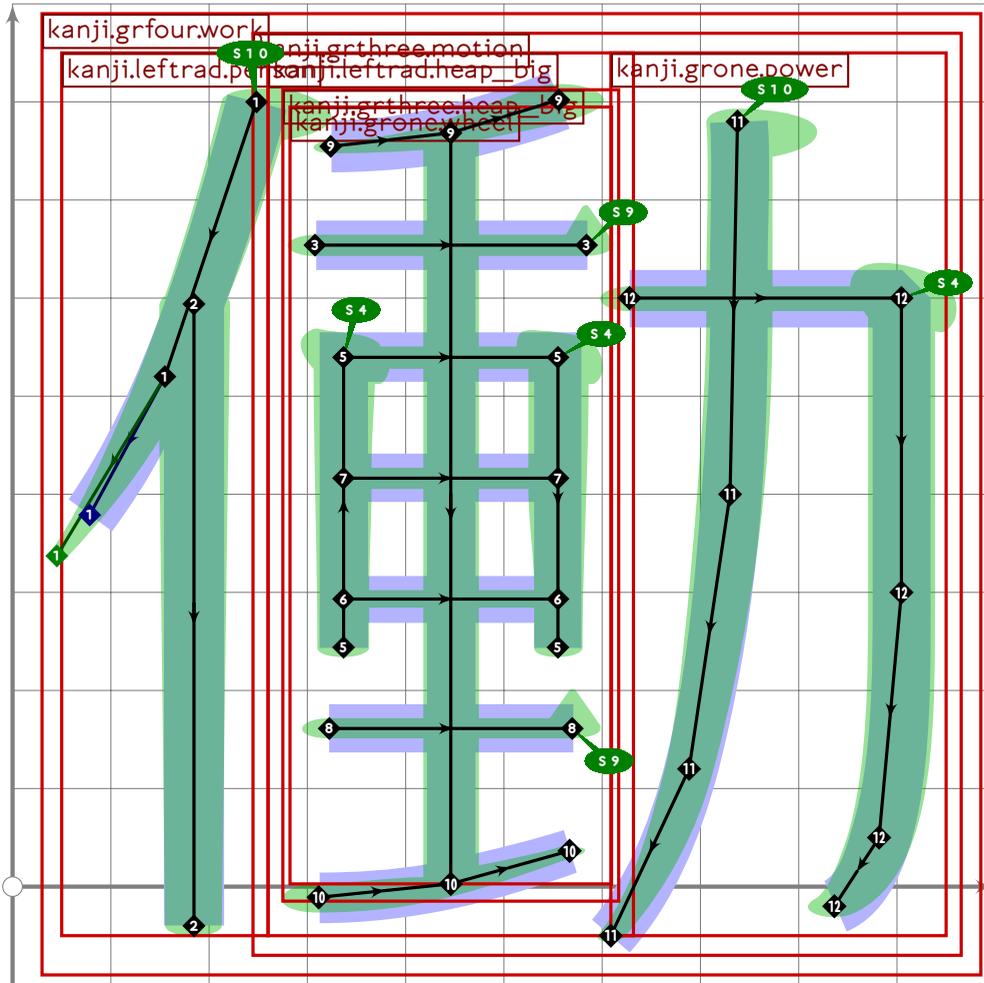
```

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

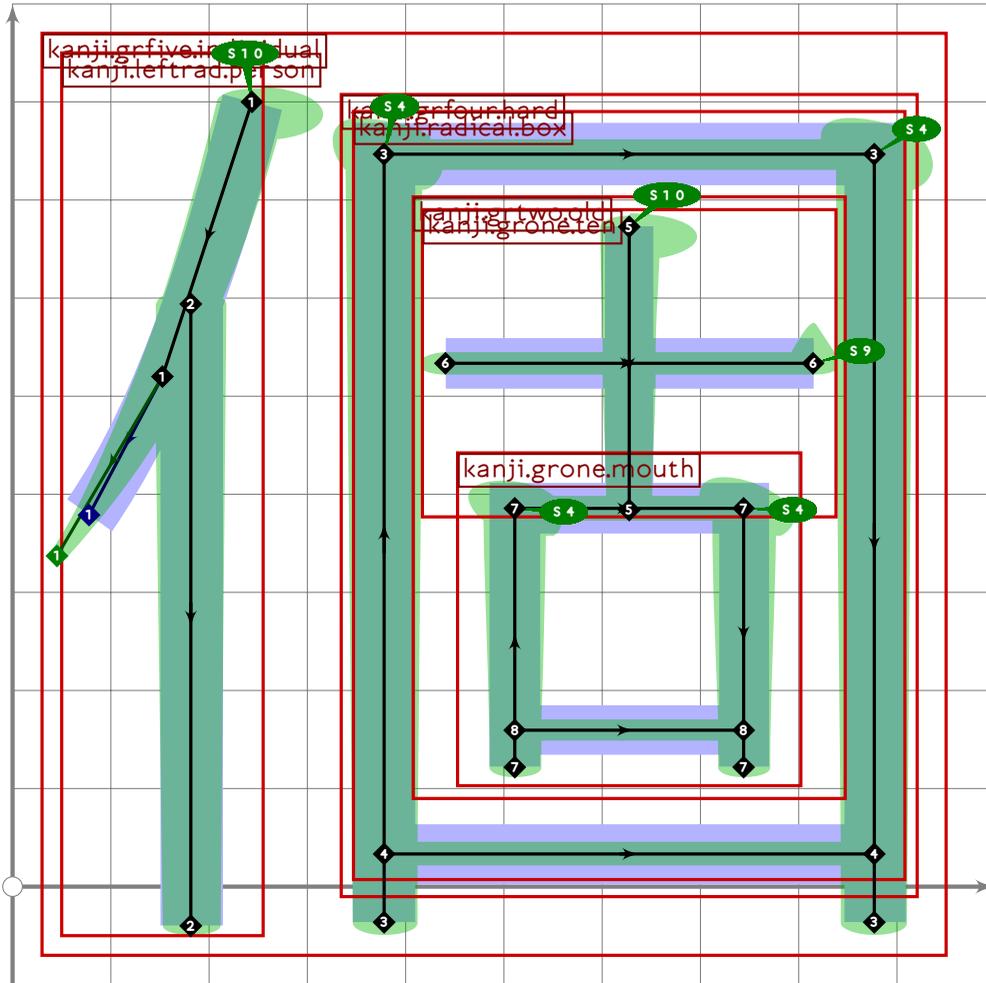
```



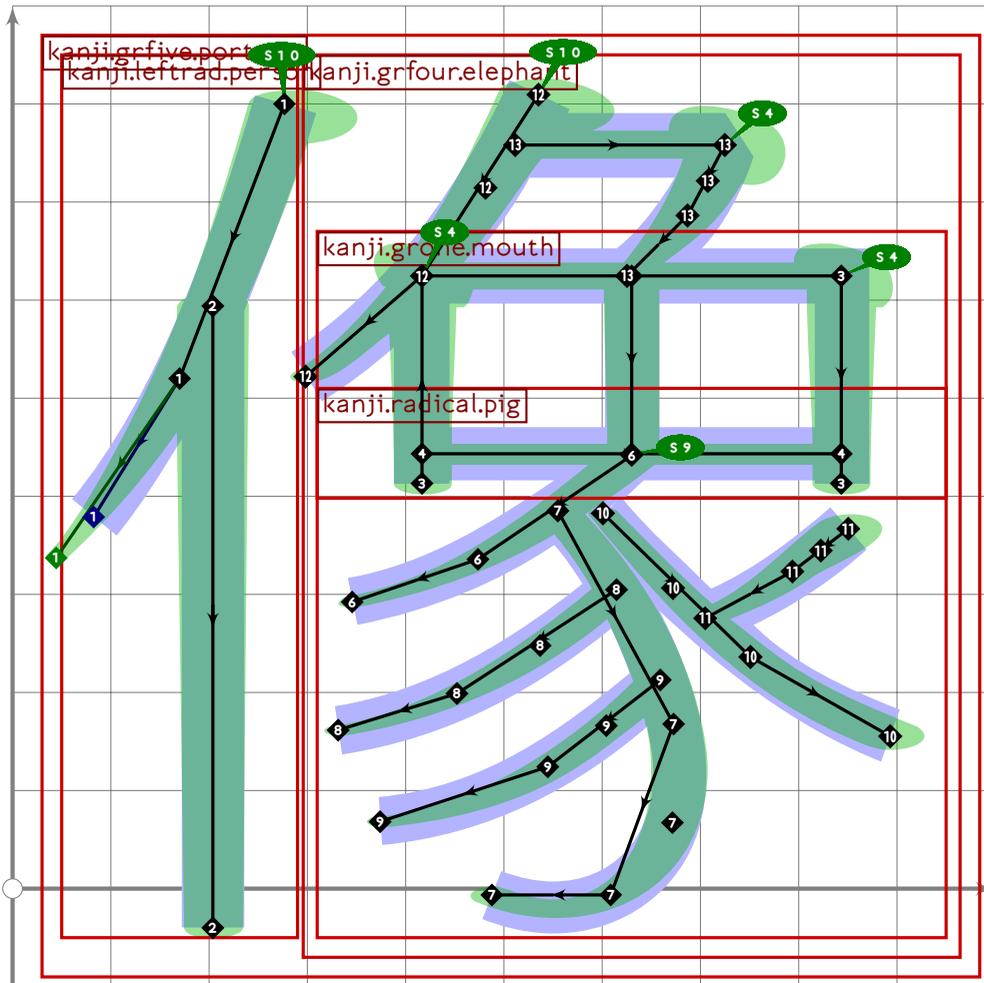
```
112
113 vardef kanji.grfourwait_for_it =
114   push_pbox_toexpand("kanji.grfourwait_for_it");
115   build_kanji.lr(290;50)
116     (kanji.leftrad.person)
117     (perl_structure:=perl_structure&"eids.u2FF0._11_";
118     build_kanji.sscale(scaled 0.75 shifted (-400,0))(kanji.radical.vline);
119     build_kanji.sscale(xscaled 0.8)(kanji.grfour_helperwait_for_it));
120   expand_pbox;
121 enddef;
```



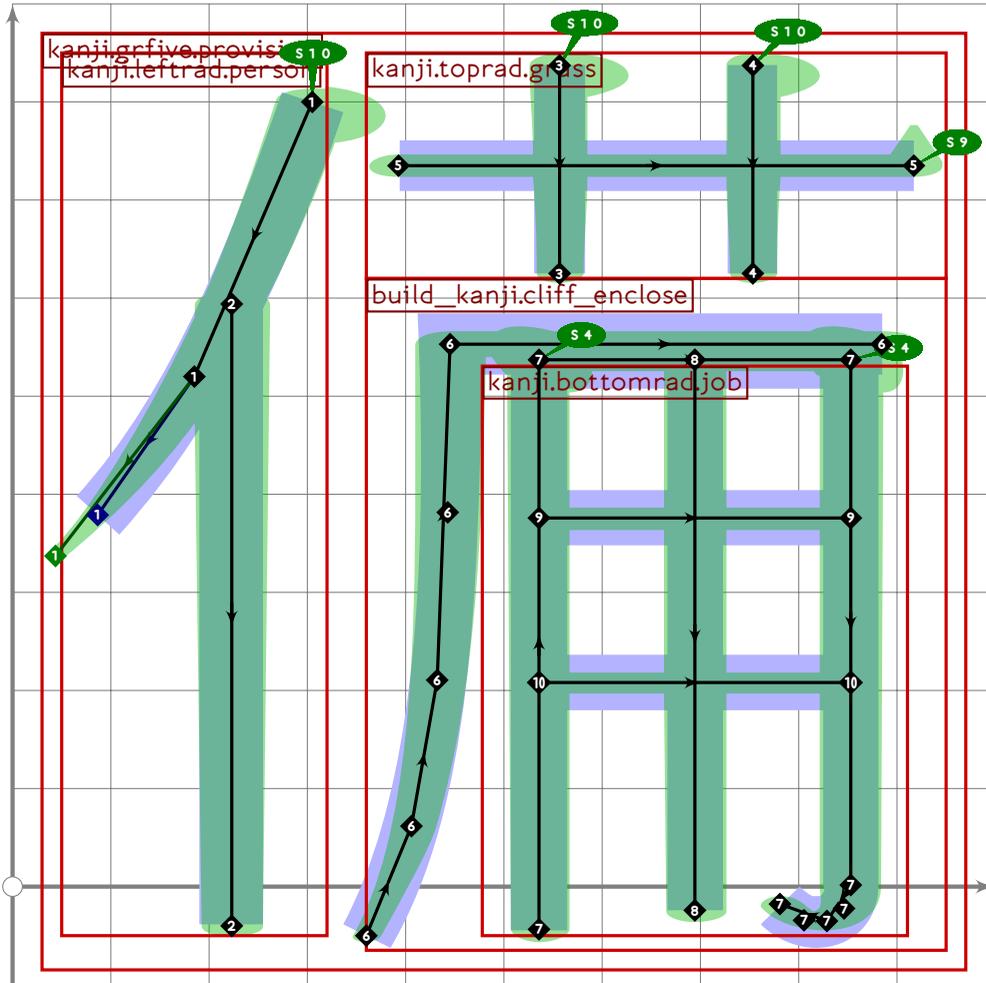
```
122  
123 vardef kanji.grfourwork =  
124   push_pbox_toexpand("kanji.grfourwork");  
125   build_kanji.lr(260,0)  
126     (kanji.leftrad.person)  
127     (kanji.grthree.motion);  
128   expand_pbox;  
129 enddef;  
130  
131
```



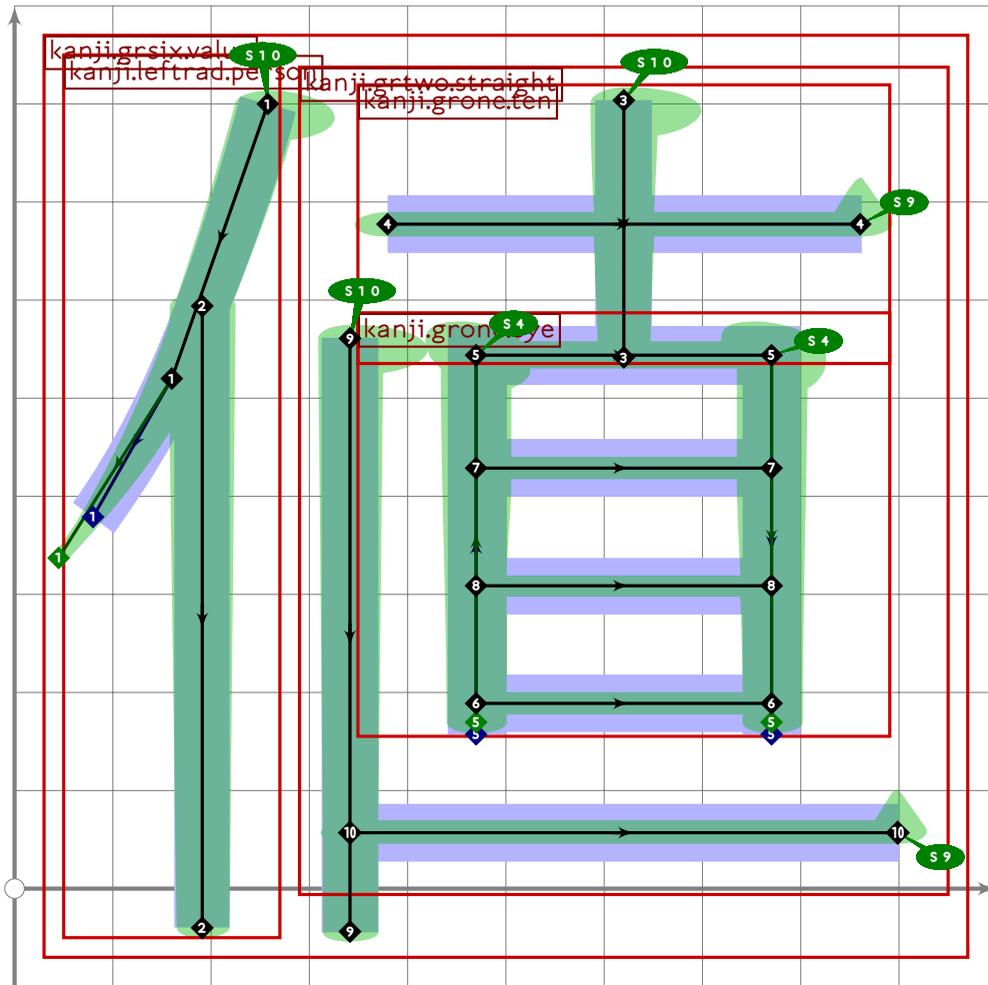
```
132
133 vardef kanji.grfive.individual =
134   push_pbox_toexpand("kanji.grfive.individual");
135   build_kanji.lr(280,-50)
136     (kanji.leftrad.person)
137     (build_kanji.sscale(scaled 0.87)(kanji.grfour.hard));
138   expand_pbox;
139 enddef;
```



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



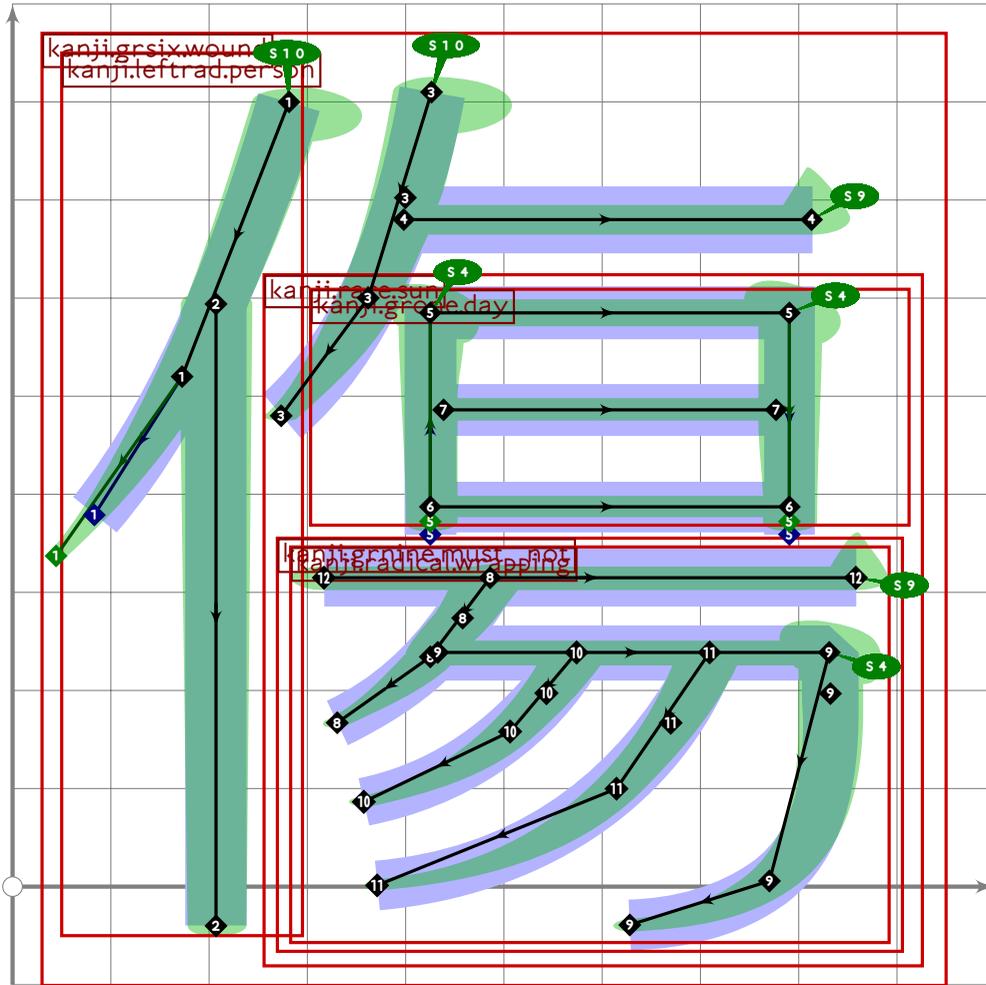
```
148
149 vardef kanji.grfive.provision =
150   push_pbox_toexpand("kanji.grfive.provision");
151   build_kanji.lr(340,-40)
152     (kanji.leftrad.person)
153     (build_kanji.tb(620,0)
154       (kanji.toprad.grass)
155       (build_kanji.cliff_enclose(kanji.bottomrad.job)));
156   expand_pbox;
157 enddef;
158
159
```



```

160
161 vardef kanji.grsix.value =
162   push_pbox_toexpand("kanji.grsix.value");
163   build_kanji.level(build_kanji.lr(280;20)
164     (kanji.leftrad.person)
165     (build_kanji.sscale(yscaled 0.90)(kanji.grtwo.straight)));
166   expand_pbox;
167 enddef;

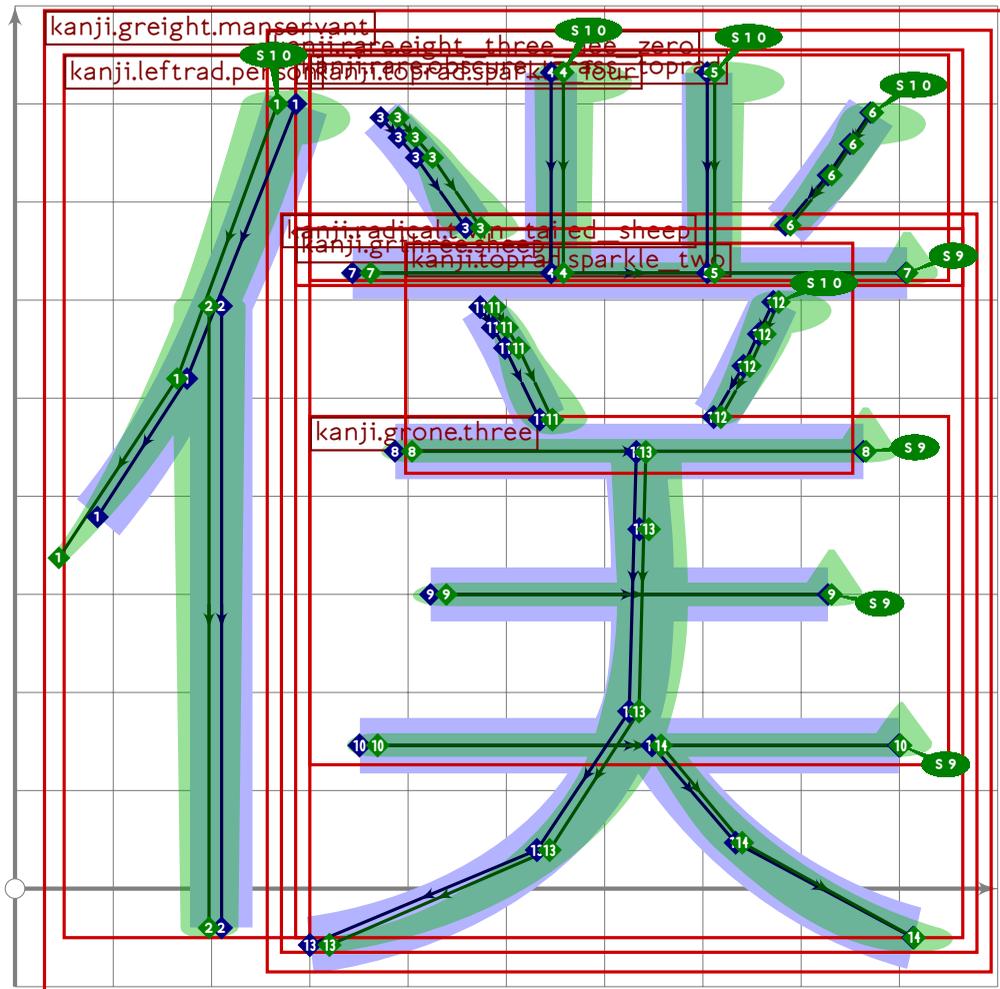
```



```

168
169 vardef kanji.grsix.wound =
170   push_pbox_toexpand("kanji.grsix.wound");
171   build_kanji.lr(260,70)
172     (kanji.leftrad.person)
173     (push_stroke((300,810)..tension 1.2..(220,600)..(110,480),
174       (1.6,1.6)-(14,14)-(1,1));
175     set_boserif(0,0,10);
176     push_stroke((100,680)-(780,680),(1.6,1.6)-(1.6,1.6));
177     set_boserif(0,1,9);
178     replace_stroke(0)(subpath
179       (0.01+xpart (oldp intersectiontimes get_stroke(-1)),1) of oldp);
180     tsu_xform(identity shifted (-500,0) xyscaled (0.84,0.74)
181       shifted (500,-20))
182     (kanji.rare.sun));
183   expand_pbox;
184 enddef;
185
186

```



```

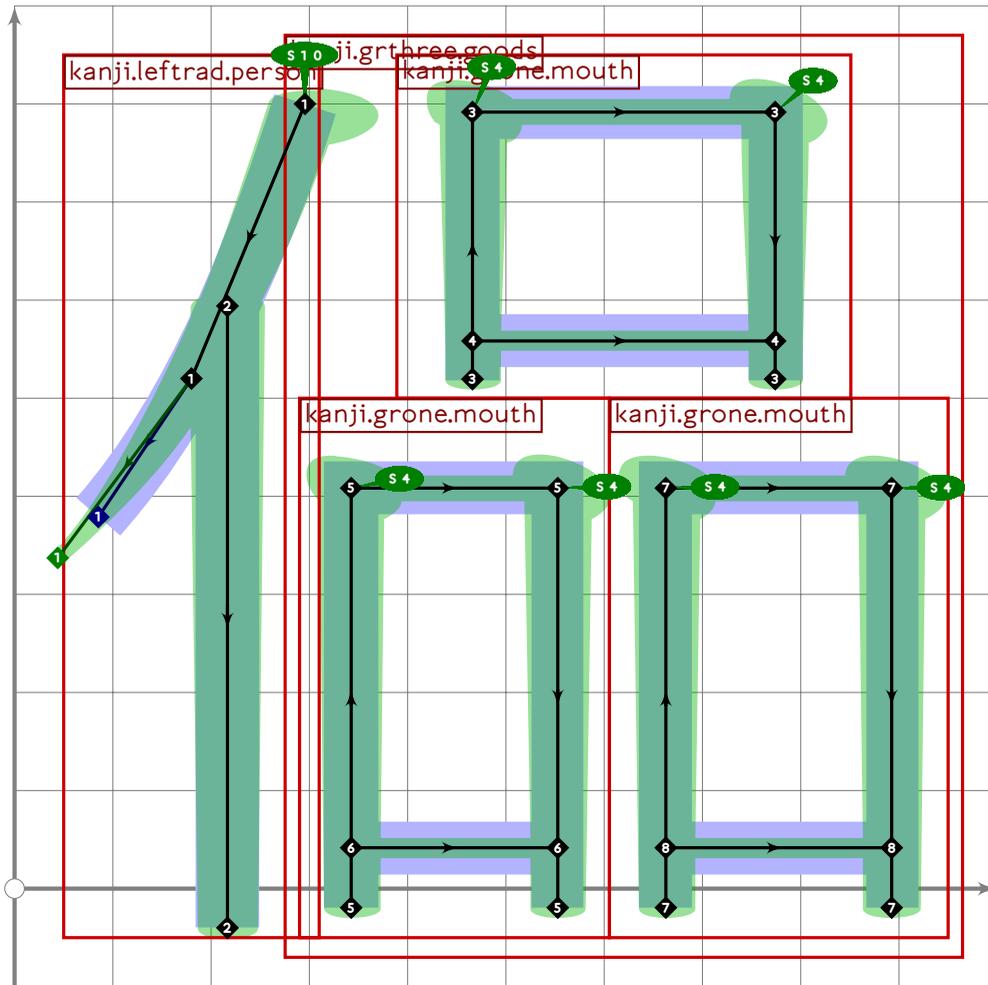
187
188 vardef kanji.greight.manservant =
189   push_pbox_toexpand("kanji.greight.manservant");
190   build_kanji.lr(300;40*mincho)
191     (kanji.leftrad.person)
192     (kanji.rare.eight_three_dee_zero);
193   expand_pbox;
194 enddef;
195
196
197
198 % sou/kura "warehouse"
199 begintsuglyph("uni5009";9);
200 kanji.grfourwarehouse;
201 tsu_render;
202 endtsuglyph;
203
204 % ko "individual" or "counter for things"
205 begintsuglyph("uni500B";11);
206 kanji.grfive.individual;
207 tsu_render;

```

[see page 762]

[see page 2126]

208 endtsuglyph;
209
210 % bai/be "double"
211 begintsuglyph("uni500D";13); [see page 2119]
212 kanji.grthree.double;
213 tsu_render;
214 endtsuglyph;
215
216 % kou/sourou "season" or "candidate"
217 begintsuglyph("uni5019";25); [see page 2124]
218 kanji.grfour.wait_for_it;
219 tsu_render;
220 endtsuglyph;
221
222 % shaku/ka "borrow"
223 begintsuglyph("uni501F";31); [see page 2120]
224 kanji.grfour.borrow;
225 tsu_render;
226 endtsuglyph;
227
228 % chi/ne "value"
229 begintsuglyph("uni5024";36); [see page 2129]
230 kanji.grsix.value;
231 tsu_render;
232 endtsuglyph;
233



```

234 % extra
235 begintsuglyph("uni5058",88);
236 build_kanji.lr(300,20)
237 (kanji.leftrad.person)
238 (kanji.grthree.goods);
239 tsu_render;
240 endtsuglyph;
241
242 % tei/to "halt"
243 begintsuglyph("uni505C",92);
244 kanji.grfour.halt;
245 tsu_render;
246 endtsuglyph;
247
248 % ken/shita "healthy"
249 begintsuglyph("uni5065",101);
250 kanji.grfour.healthy;
251 tsu_render;
252 endtsuglyph;
253
254 % soku/kawa "side"

```

[see page 2121]

[see page 2122]

255 begintsuglyph("uni5074";116); [see page 2123]
 256 kanji.grfour.side;
 257 tsu_render;
 258 endtsuglyph;
 259
 260 % bi/sana "provision"
 261 begintsuglyph("uni5099";153); [see page 2128]
 262 kanji.grfive.provision;
 263 tsu_render;
 264 endtsuglyph;
 265
 266 % shou/kizu "wound," "hurt"
 267 begintsuglyph("uni50B7";183); [see page 2130]
 268 kanji.grsix.wound;
 269 tsu_render;
 270 endtsuglyph;
 271
 272 % dou/hatara "work"
 273 begintsuglyph("uni50CD";205); [see page 2125]
 274 kanji.grfour.work;
 275 tsu_render;
 276 endtsuglyph;
 277
 278 % zou "portrait"
 279 begintsuglyph("uni50CF";207); [see page 2127]
 280 kanji.grfive.portrait;
 281 tsu_render;
 282 endtsuglyph;
 283
 284 % boku/shimobe "masculine first-person pronoun" (or "servant")
 285 begintsuglyph("uni50D5";213); [see page 2131]
 286 kanji.greight.manservant;
 287 tsu_render;
 288 endtsuglyph;
 289
 290 _____
 291
 292 endfont;
 293
 294 _____

tsuku-51.mp

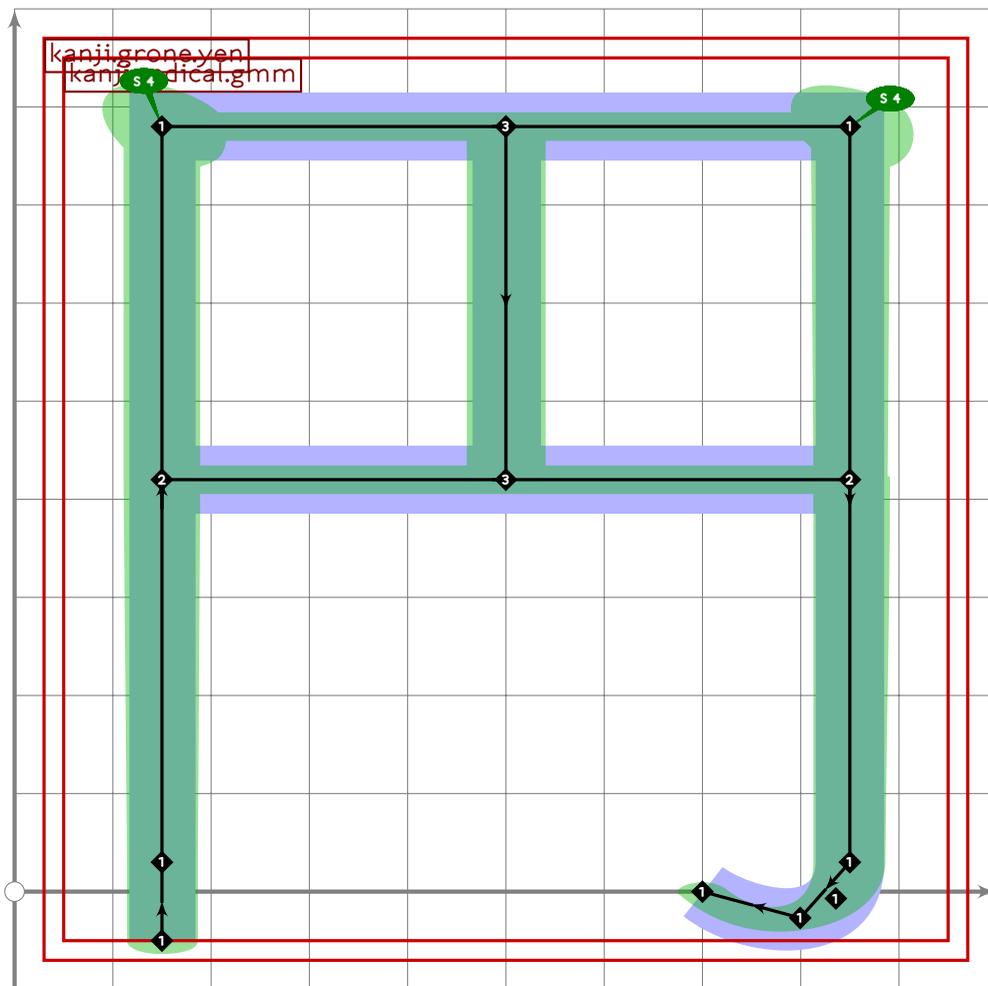
```
1 %
2 % Unicode page 51 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017, 2019, 2021 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---

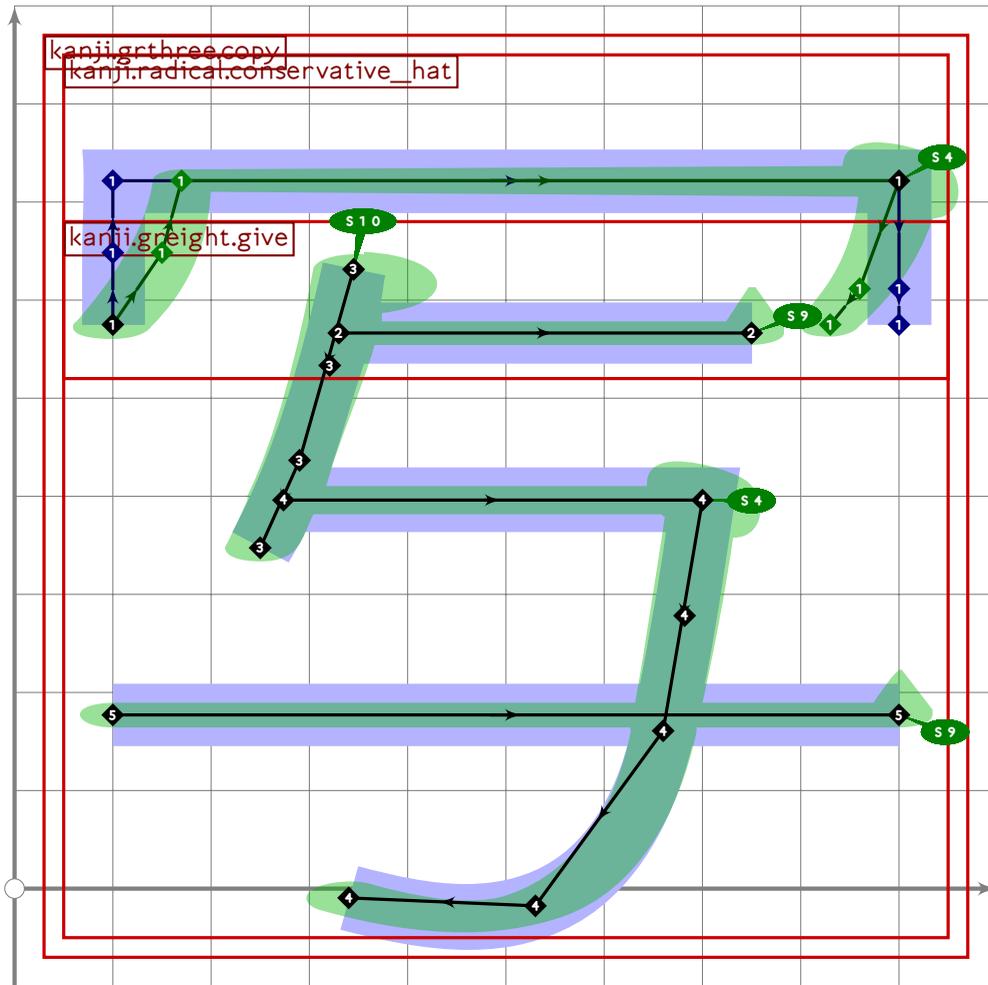

32
33 beginfont
34
35 % AUTODEPS
36 input bottomrad.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;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

---

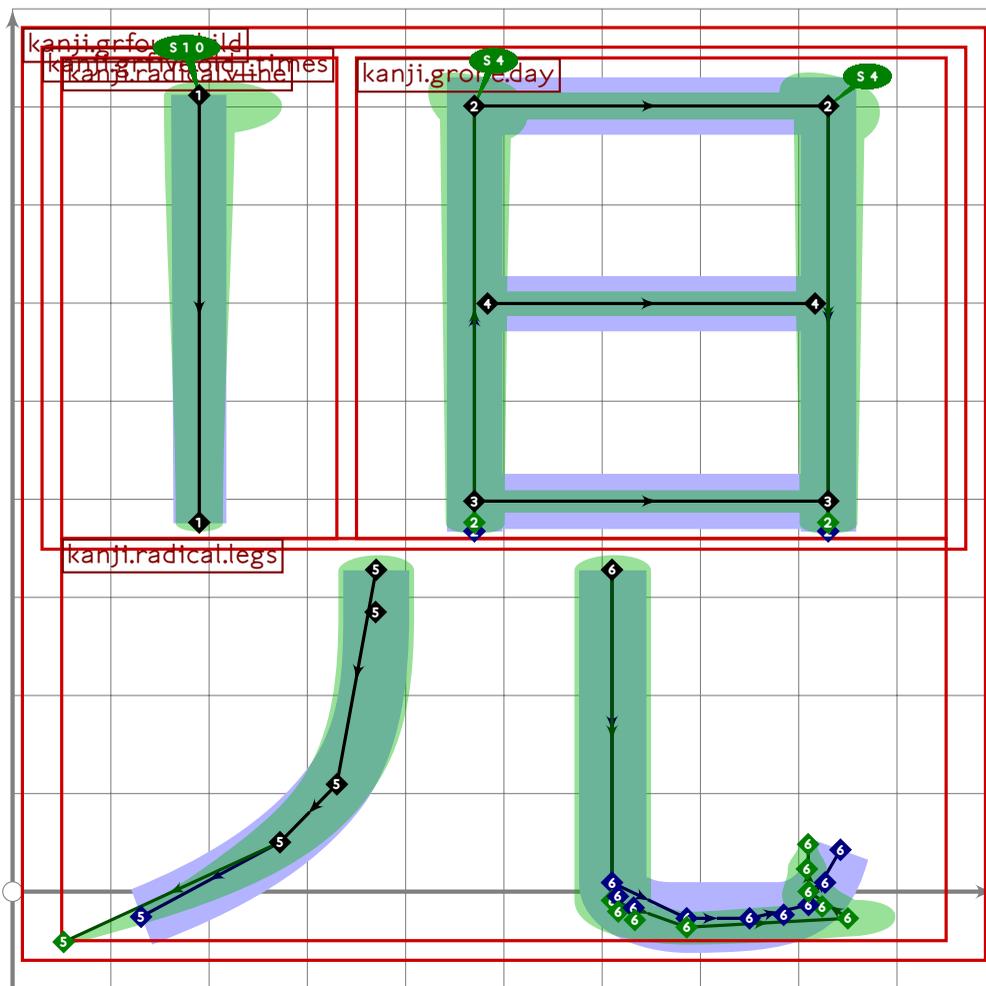

```



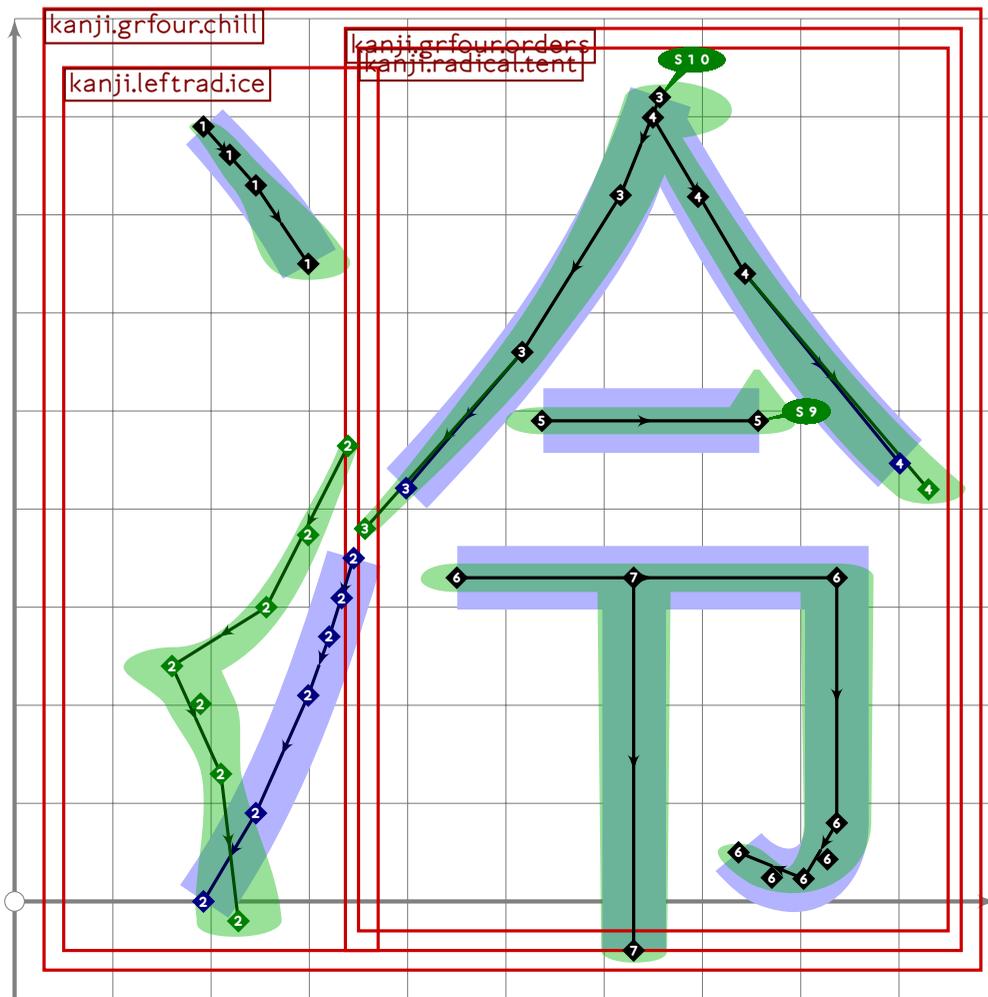
```
54  
55 vardef kanji.grone.yen =  
56   push_pbox_toexpand("kanji.grone.yen");  
57   kanji.radical.gmm;  
58   push_stroke((point 1.52 of get_strokep(0))-(point 3.48 of get_strokep(0)),  
59     (1.6,1.6)-(1.6,1.6));  
60   push_stroke((point 2.5 of get_strokep(-1))-(point 0.5 of get_strokep(0)),  
61     (1.6,1.6)-(1.6,1.6));  
62   expand_pbox;  
63 enddef;  
64  
65
```



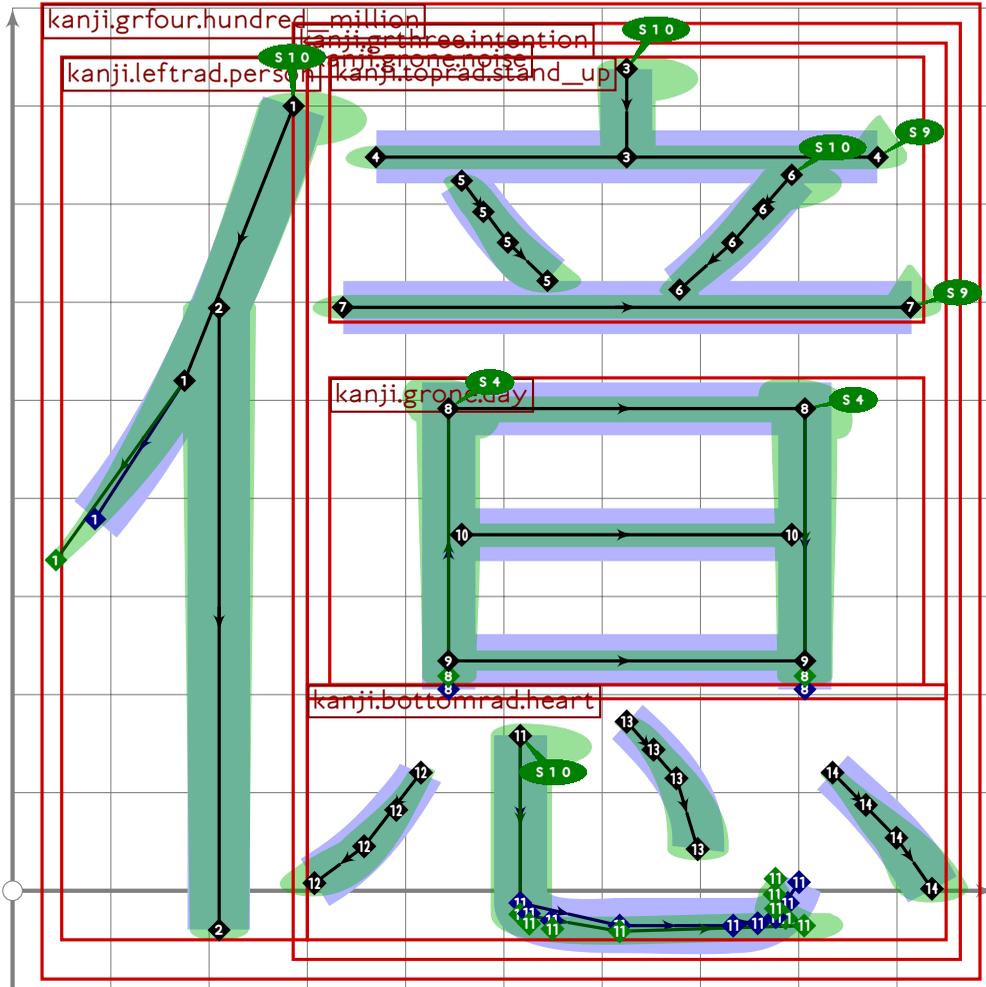
```
66  
67 vardef kanji.grthree.copy =  
68   push_pbox_toexpand("kanji.grthree.copy");  
69   build_kanji.level(build_kanji.tb(600,160)  
70     (kanji.radical.conservative_hat)  
71     (kanji.greight.give));  
72   expand_pbox;  
73 enddef;  
74  
75
```



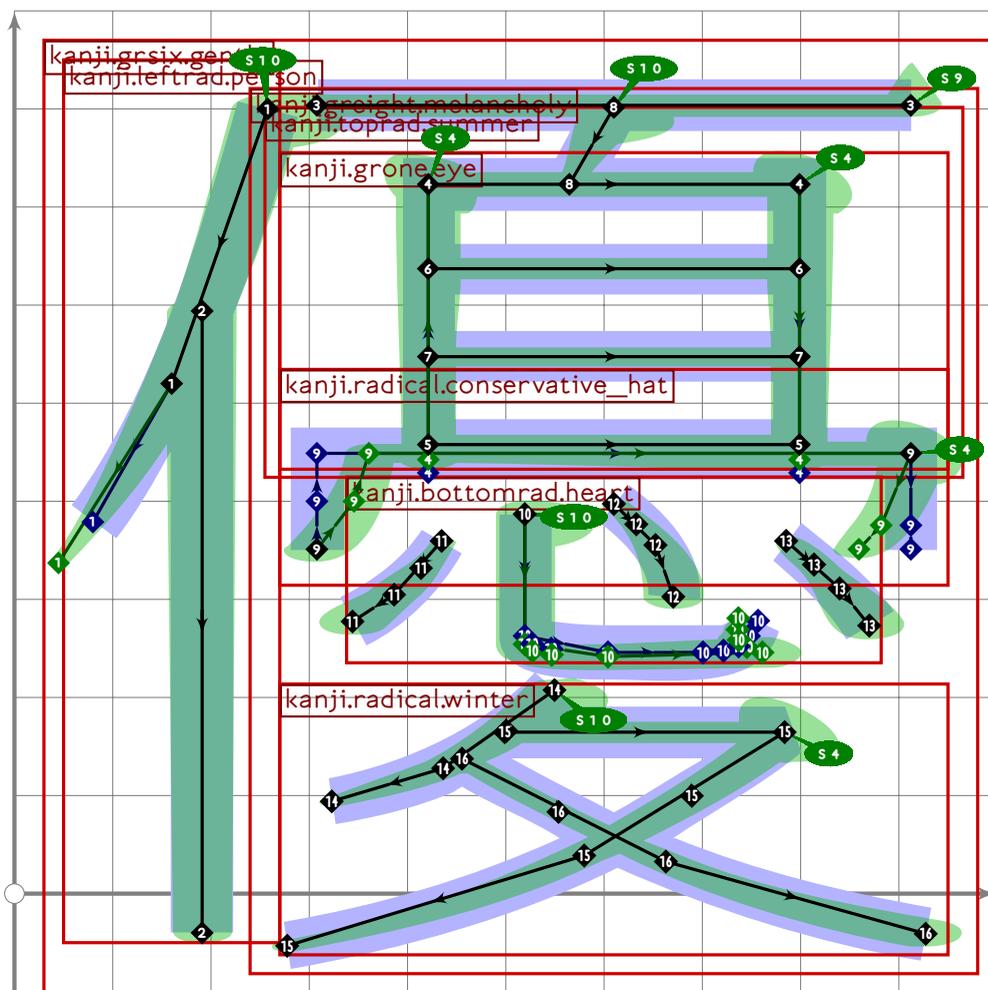
```
76  
77 vardef kanji.grfour.child =  
78   push_pbox_toexpand("kanji.grfour.child");  
79   build_kanji.tb(360,0)  
80     (kanji.grfive.old_times)  
81     (kanji.radical.legs);  
82   expand_pbox;  
83 enddef;
```



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



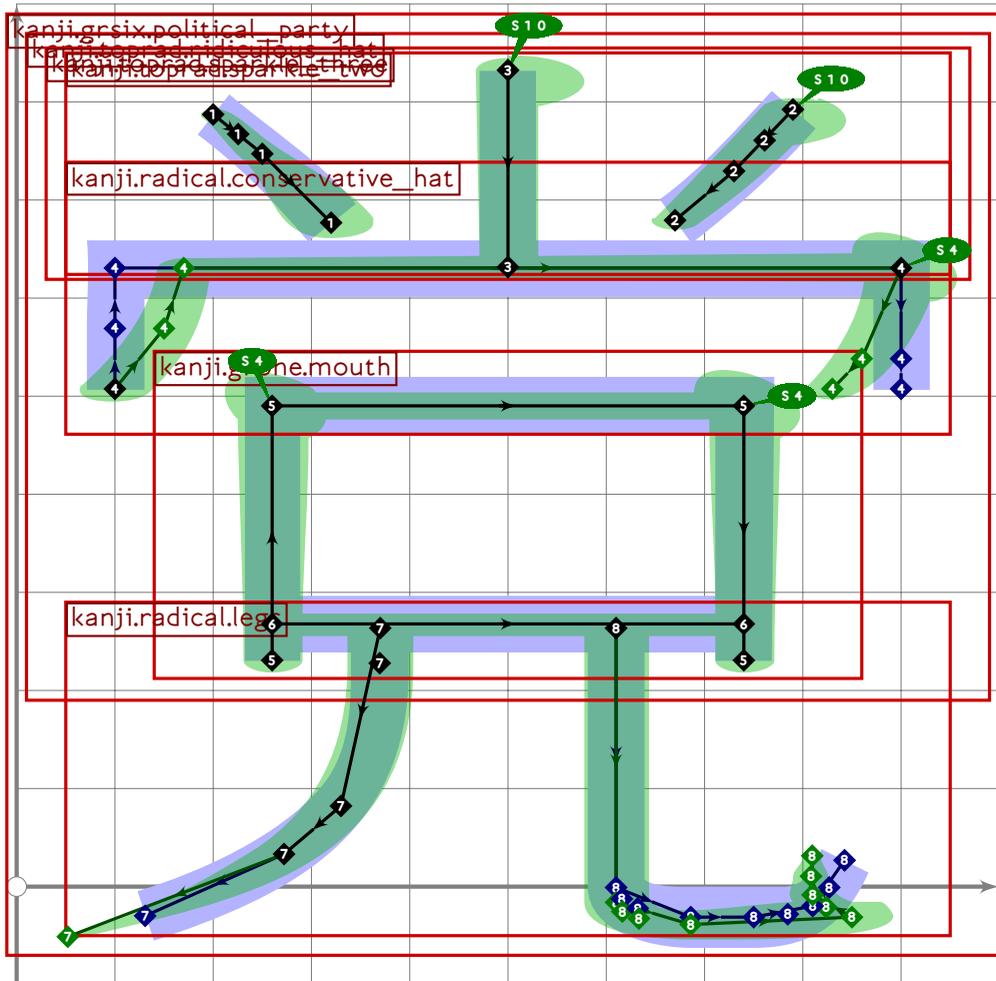
```
92  
93 vardef kanji.grfour.hundred_million =  
94   push_pbox_toexpand("kanji.grfour.hundred_million");  
95   build_kanji.lr(300,0)  
96     (kanji.leftrad.person)  
97     (kanji.grthree.intention);  
98   expand_pbox;  
99 enddef;  
100  
101
```



```

102
103 vardef kanji.grsix.gentle =
104   push_pbox_toexpand("kanji.grsix.gentle");
105   build_kanji.lr(270,0)
106     (kanji.leftrad.person)
107     (build_kanji.sscale(yscaled 0.96 shifted (0,-30))
108       (kanji.greight.melancholy));
109   expand_pbox;
110 enddef;

```



```

111
112 vardef kanji.grsix.political_party =
113   push_pbox_toexpand("kanji.grsix.political_party");
114   build_kanji.level(build_kanji.tb(240,100)
115     (kanji.toprad.ridiculous_hat)
116     (kanji.radical.legs));
117   expand_pbox;
118 enddef;
119
120
121
122 % oku "one hundred million"
123 begintsuglyph("uni5104";4);
124 kanji.grfour.hundred_million;
125 tsu_render;
126 endtsuglyph;
127
128 % yuu/yasa "gentle"
129 begintsuglyph("uni512A";42);
130 kanji.grsix.gentle;
131 tsu_render;

```

[see page 2140]

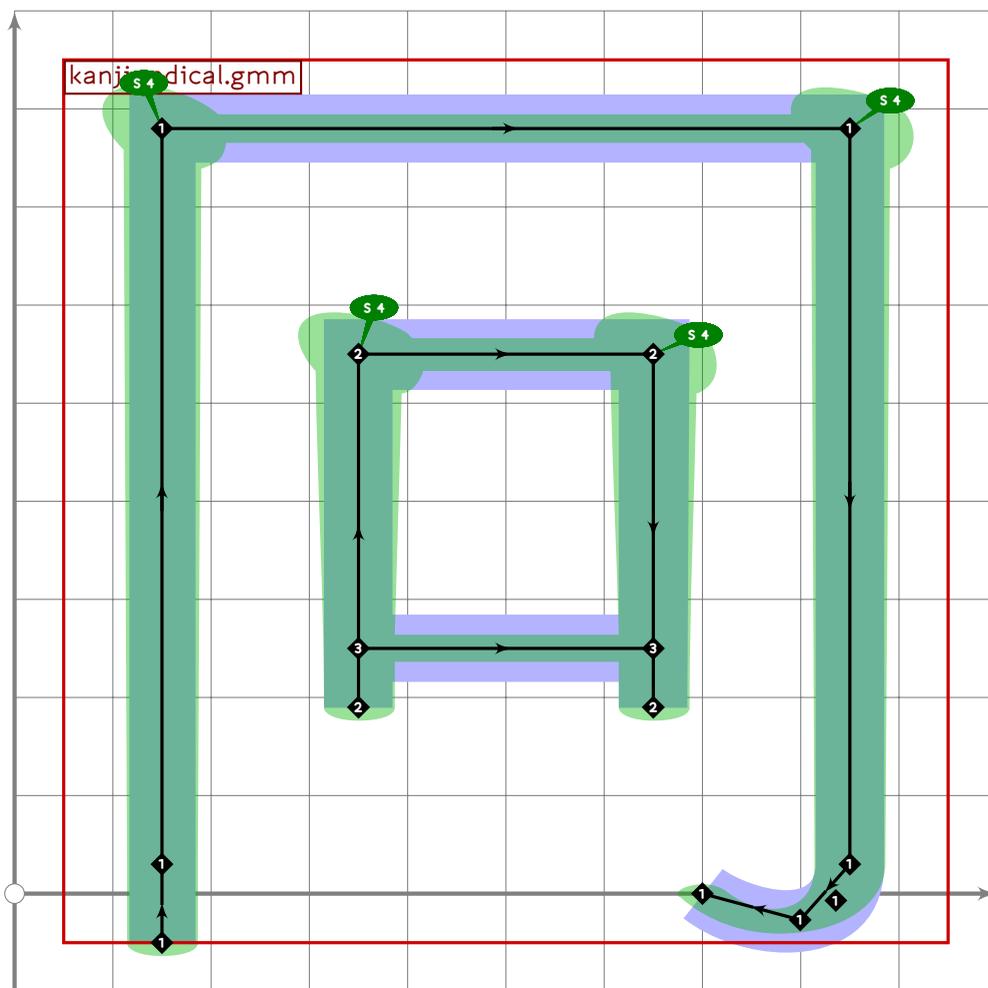
[see page 2141]

132 endtsuglyph;
 133
 134 % legs radical
 135 begintsuglyph("uni513F";63); [see page 875]
 136 kanji.radical.legs;
 137 tsu_render;
 138 endtsuglyph;
 139
 140 % kotsu "bald"
 141 begintsuglyph("uni5140";64); [see page 1035]
 142 kanji.rare.bald;
 143 tsu_render;
 144 endtsuglyph;
 145
 146 % in/shou "permission"
 147 begintsuglyph("uni5141";65); [see page 1016]
 148 kanji.grnine.permission;
 149 tsu_render;
 150 endtsuglyph;
 151
 152 % moto/gen "origin"
 153 begintsuglyph("uni5143";67); [see page 562]
 154 kanji.grtwo.origin;
 155 tsu_render;
 156 endtsuglyph;
 157
 158 % nii (as in oniisan) "big brother"
 159 begintsuglyph("uni5144";68); [see page 497]
 160 kanji.grtwo.big_brother;
 161 tsu_render;
 162 endtsuglyph;
 163
 164 % shuu/a "fulfill"
 165 begintsuglyph("uni5145";69); [see page 939]
 166 kanji.greight.fulfill;
 167 tsu_render;
 168 endtsuglyph;
 169
 170 % chou/kiza "portent" or "trillion"
 171 begintsuglyph("uni5146";70); [see page 743]
 172 kanji.grfour.portent;
 173 tsu_render;
 174 endtsuglyph;
 175
 176 % sen "ahead"
 177 begintsuglyph("uni5148";72); [see page 421]
 178 kanji.grone.ahead;
 179 tsu_render;

180 endtsuglyph;
 181
 182 % kou/hikari "shine"
 183 begintsuglyph("uni5149";73); [see page 572]
 184 kanji.grtwo.shine;
 185 tsu_render;
 186 endtsuglyph;
 187
 188 % men/manu "dismiss"
 189 begintsuglyph("uni514D";77); [see page 935]
 190 kanji.greight.dismiss;
 191 tsu_render;
 192 endtsuglyph;
 193
 194 % ko/ji "child"
 195 begintsuglyph("uni5150";80); [see page 2138]
 196 kanji.grfour.child;
 197 tsu_render;
 198 endtsuglyph;
 199
 200 % rare needed for 8AAC
 201 begintsuglyph("uni5151";81); [see page 1043]
 202 kanji.rare.cash;
 203 tsu_render;
 204 endtsuglyph;
 205
 206 % tou/nakama "political party"
 207 begintsuglyph("uni515A";90); [see page 2142]
 208 kanji.grsix.political_party;
 209 tsu_render;
 210 endtsuglyph;
 211
 212 % hai/i "put it in"
 213 begintsuglyph("uni5165";101); [see page 468]
 214 kanji.grone.put_it_in;
 215 tsu_render;
 216 endtsuglyph;
 217
 218 % zen/matta "complete"
 219 begintsuglyph("uni5168";104); [see page 621]
 220 kanji.grthree.complete;
 221 tsu_render;
 222 endtsuglyph;
 223
 224 % hachi/ya "eight"
 225 begintsuglyph("uni516B";107); [see page 437]
 226 kanji.grone.eight;
 227 tsu_render;

228 endtsuglyph;
 229
 230 % kou/kimi "public" but also the pronoun kimi
 231 begintsuglyph("uni516C";108); [see page 565]
 232 kanji.grtwo.public;
 233 tsu_render;
 234 endtsuglyph;
 235
 236 % roku/mui "six"
 237 begintsuglyph("uni516D";109); [see page 477]
 238 kanji.grone.six;
 239 tsu_render;
 240 endtsuglyph;
 241
 242 % kyou/tomo "together"
 243 begintsuglyph("uni5171";113); [see page 758]
 244 kanji.grfour.together;
 245 tsu_render;
 246 endtsuglyph;
 247
 248 % hei/tsuwamono "soldier"
 249 begintsuglyph("uni5175";117); [see page 753]
 250 kanji.grfour.soldier;
 251 tsu_render;
 252 endtsuglyph;
 253
 254 % ki/so "that" (as in sore and sono)
 255 begintsuglyph("uni5176";118); [see page 1023]
 256 kanji.grnine.that;
 257 tsu_render;
 258 endtsuglyph;
 259
 260 % gu/sona "ingredient"
 261 begintsuglyph("uni5177";119); [see page 643]
 262 kanji.grthree.ingredient;
 263 tsu_render;
 264 endtsuglyph;
 265
 266 % ten/suke "rule"
 267 begintsuglyph("uni5178";120); [see page 748]
 268 kanji.grfour.rule;
 269 tsu_render;
 270 endtsuglyph;
 271
 272 % George Michael's Moustache
 273 begintsuglyph("uni5182";130); [see page 873]
 274 kanji.radical.gmm;
 275 tsu_render;

276 endtsuglyph;
 277
 278 % nai/uchi "home, me"
 279 begintsuglyph("uni5185";133); [see page 533]
 280 kanji.grtwo.home;
 281 tsu_render;
 282 endtsuglyph;
 283
 284 % en "yen" (currency unit)
 285 begintsuglyph("uni5186";134); [see page 2136]
 286 kanji.grone.yen;
 287 tsu_render;
 288 endtsuglyph;
 289
 290 % terra-cotta colour, needed for grade five "again"
 291 begintsuglyph("uni5189";137); [see page 1099]
 292 kanji.rare.terracotta;
 293 tsu_render;
 294 endtsuglyph;
 295
 296 % satsu/fumi "counter for books"
 297 begintsuglyph("uni518A";138); [see page 819]
 298 kanji.grsix.book_counter;
 299 tsu_render;
 300 endtsuglyph;
 301



```

302 % extra
303 begintsuglyph("uni518B";139);
304 kanji.radical.gmm;
305 build_kanji.box((350,550),(650,250));
306 tsu_render;
307 endtsuglyph;

```

308

```

309 % sai/futata "again"
310 begintsuglyph("uni518D";141);
311 kanji.grfive.again;
312 tsu_render;
313 endtsuglyph;

```

[see page 765]

314

```

315 % kei/akiraka "clear"
316 begintsuglyph("uni518F";143);
317 kanji.rare.clear;
318 tsu_render;
319 endtsuglyph;

```

[see page 1045]

320

```

321 % used in "posture"
322 begintsuglyph("uni5193";147);

```

[see page 1069]

323 kanji.rare.inner_palace;
 324 tsu_render;
 325 endtsuglyph;
 326
 327 % like silly-hat minus the upper bobble
 328 begintsuglyph("uni5196";150); [see page 866]
 329 kanji.radical.conservative_hat;
 330 tsu_render;
 331 endtsuglyph;
 332
 333 % sha/utsu "copy" (often photo)
 334 begintsuglyph("uni5199";153); [see page 2137]
 335 kanji.grthree.copy;
 336 tsu_render;
 337 endtsuglyph;
 338
 339 % tou/fuyu "winter"
 340 begintsuglyph("uni51AC";172); [see page 597]
 341 kanji.grtwowinter;
 342 tsu_render;
 343 endtsuglyph;
 344
 345 % rei/tsume "chill"
 346 begintsuglyph("uni51B7";183); [see page 2139]
 347 kanji.grfour.chill;
 348 tsu_render;
 349 endtsuglyph;
 350
 351 % ki/kinyou "windy radical"
 352 begintsuglyph("uni51E0";224); [see page 897]
 353 kanji.radical.windy;
 354 tsu_render;
 355 endtsuglyph;
 356
 357 % bon/oyoso "mediocre"
 358 begintsuglyph("uni51E1";225); [see page 955]
 359 kanji.greight.mediocre;
 360 tsu_render;
 361 endtsuglyph;
 362
 363 % sho/tokoro
 364 begintsuglyph("uni51E6";230); [see page 832]
 365 kanji.grsix.put_in_place;
 366 tsu_render;
 367 endtsuglyph;
 368
 369 % kan "open box radical"
 370 begintsuglyph("uni51F5";245); [see page 884]

```
371 kanji.radical.open_box;
372 tsu_render;
373 endtsuglyph;
374
375 % kyou "bad luck"
376 begintsuglyph("uni51F6";246); [see page 922]
377 kanji.greight.bad_luck;
378 tsu_render;
379 endtsuglyph;
380
381 % de "go away"
382 begintsuglyph("uni51FA";250); [see page 445]
383 kanji.grone.go_away;
384 tsu_render;
385 endtsuglyph;
386
387 _____
388
389 endfont;
390
391 _____
```

tsuku-52.mp

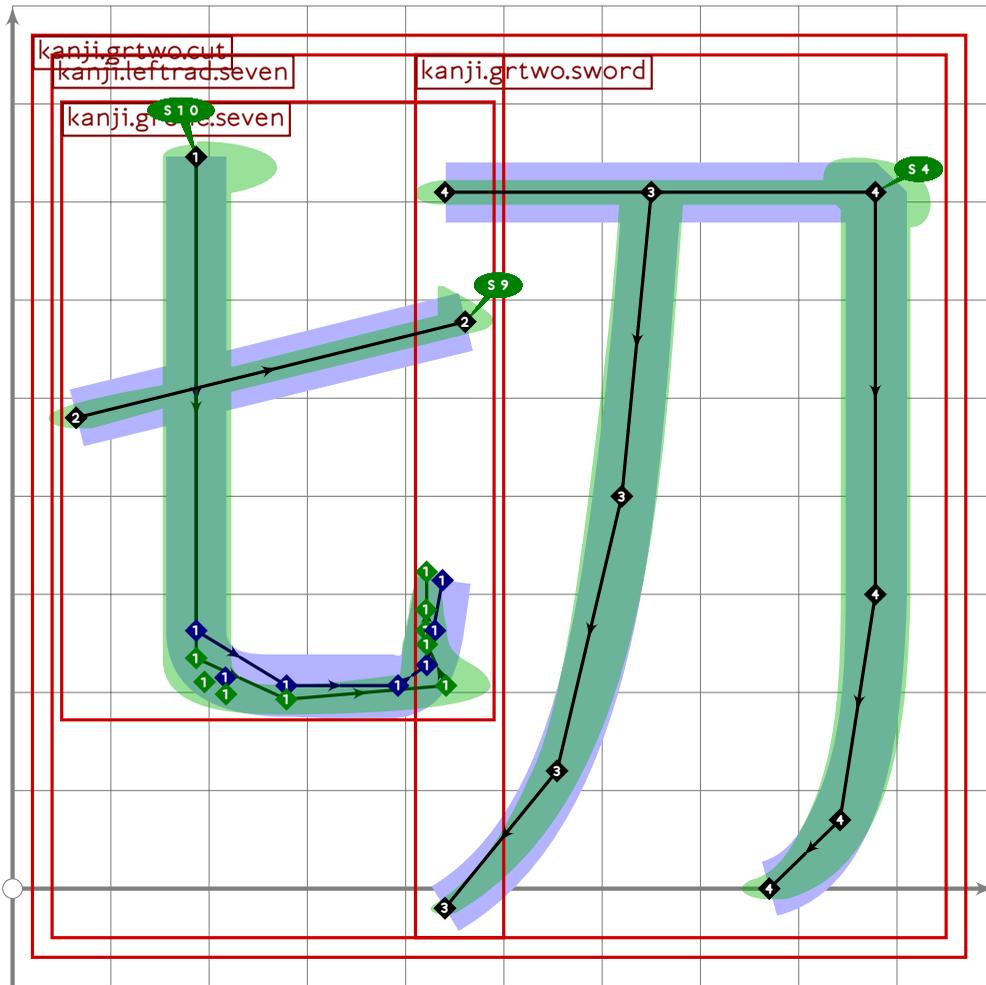
```
1 %
2 % Unicode page 52 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017, 2019, 2021 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---

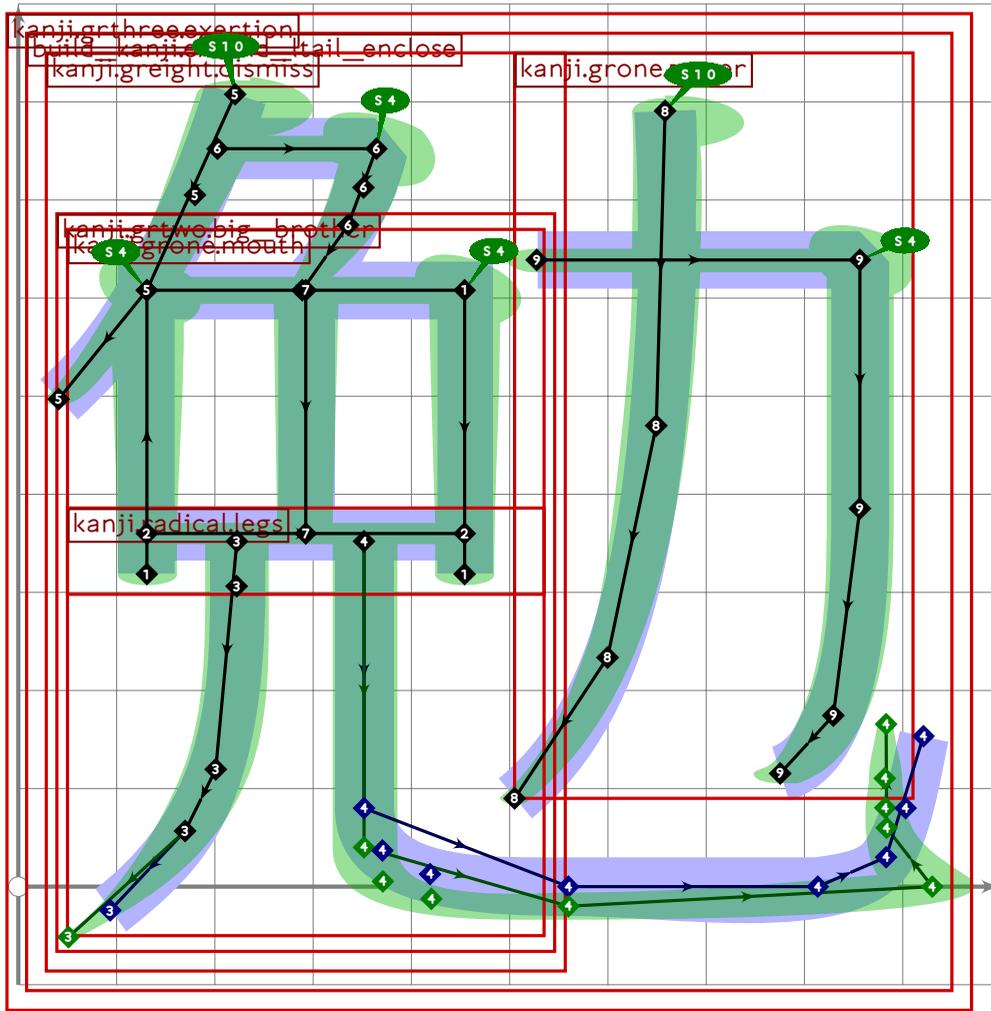

32
33 beginfont
34
35 % AUTODEPS
36 input bottomrad.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;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

---

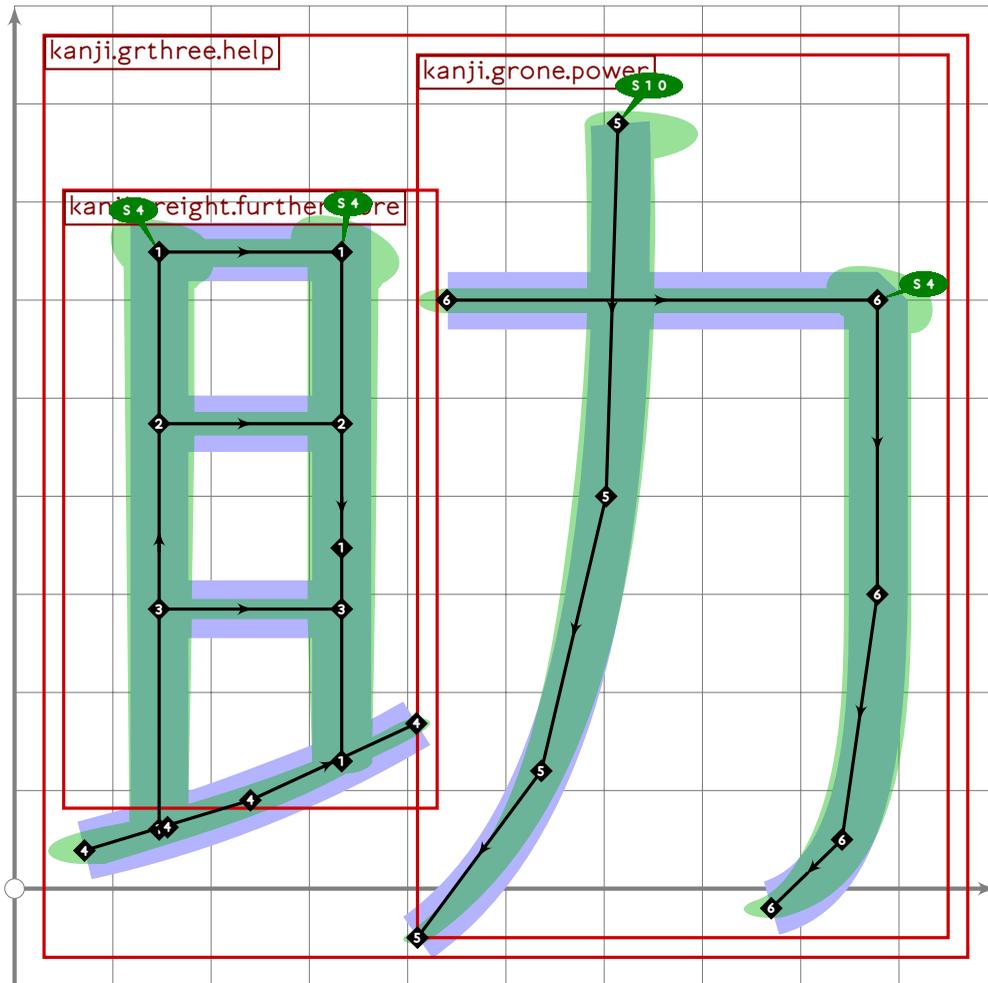

```



```
55  
56 vardef kanji.grtwo.cut =  
57   push_pbox_toexpand("kanji.grtwo.cut");  
58   build_kanji.level(build_kanji.lr(450,80)  
59     (kanji.leftrad.seven)  
60     (kanji.grtwo.sword));  
61   expand_pbox;  
62 enddef;  
63  
64
```



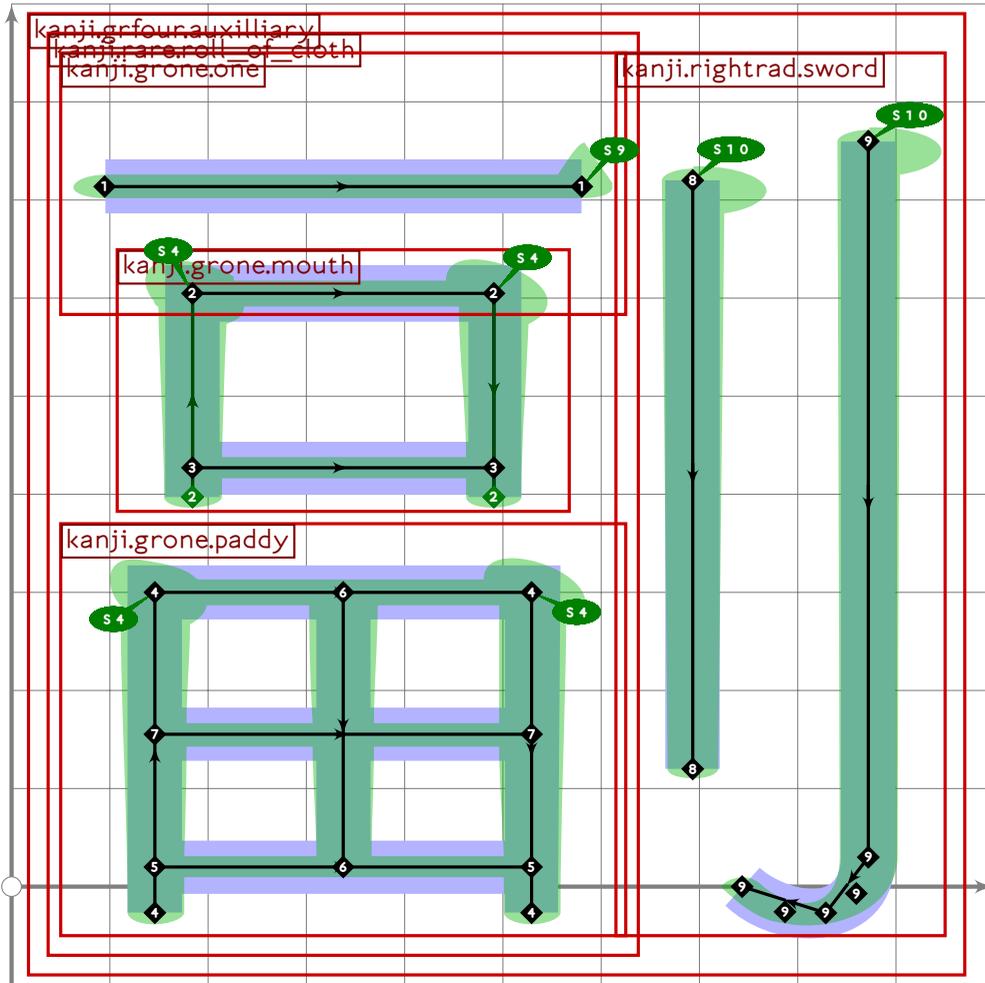
```
65  
66 vardef kanji.grthree.exertion =  
67   push_pbox_toexpand("kanji.grthree.exertion");  
68   build_kanji.extend_ltail_enclose(520,30)  
69   (kanji.greight.dismiss)  
70   (kanji.grone.power);  
71   expand_pbox;  
72 enddef;
```



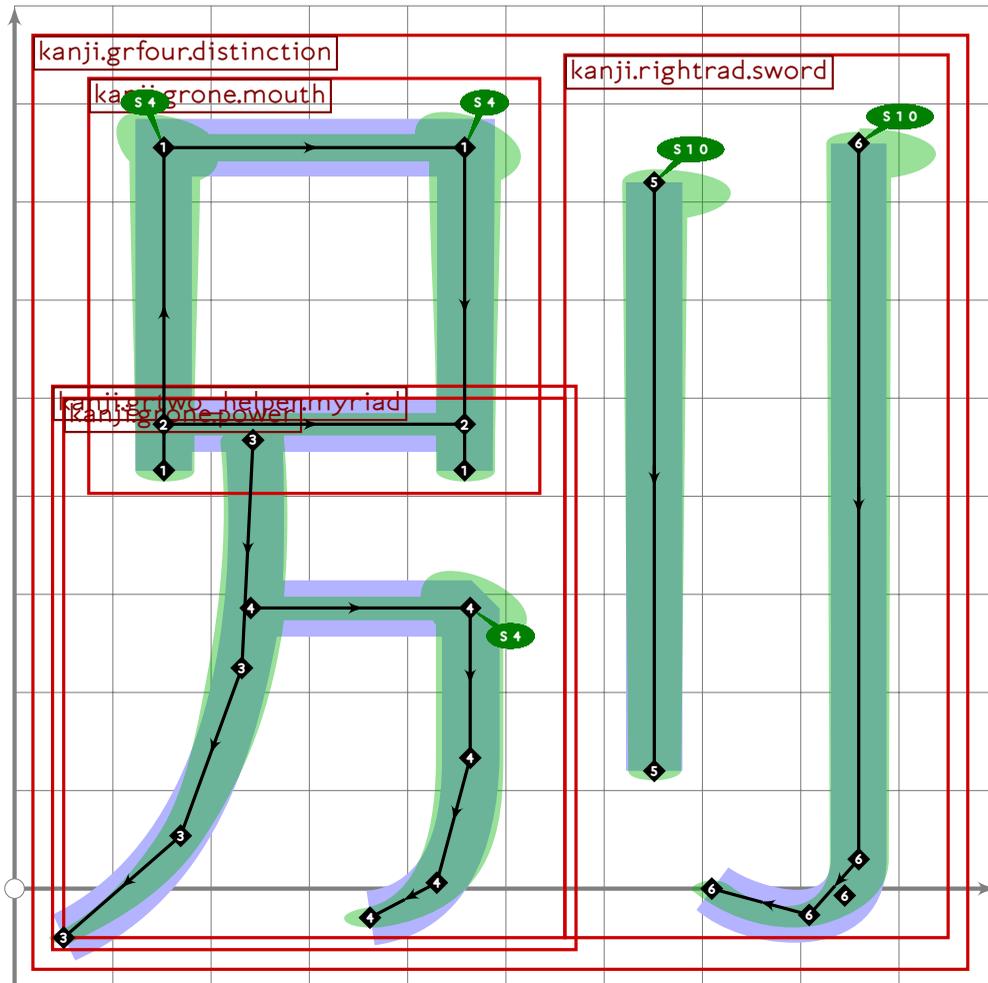
```

73
74 vardef kanji.grthree.help =
75   push_pbox_toexpand("kanji.grthree.help");
76   build_kanji.level(build_kanji.lr(420,20)
77     (build_kanji.lift_skirt(230,170)
78       (build_kanji.sscale(yscaled 0.7)
79         (kanji.greight.furthermore);
80         replace_strokep(0)(oldp shifted (0,-80));
81         replace_strokep(-3)((point 0 of oldp shifted (0,-80))-
82           (subpath (1,length oldp-1) of oldp)-
83           (point infinity of oldp shifted (0,-80))))))
84   (kanji.grone.power));
85   expand_pbox;
86 enddef;
87
88

```



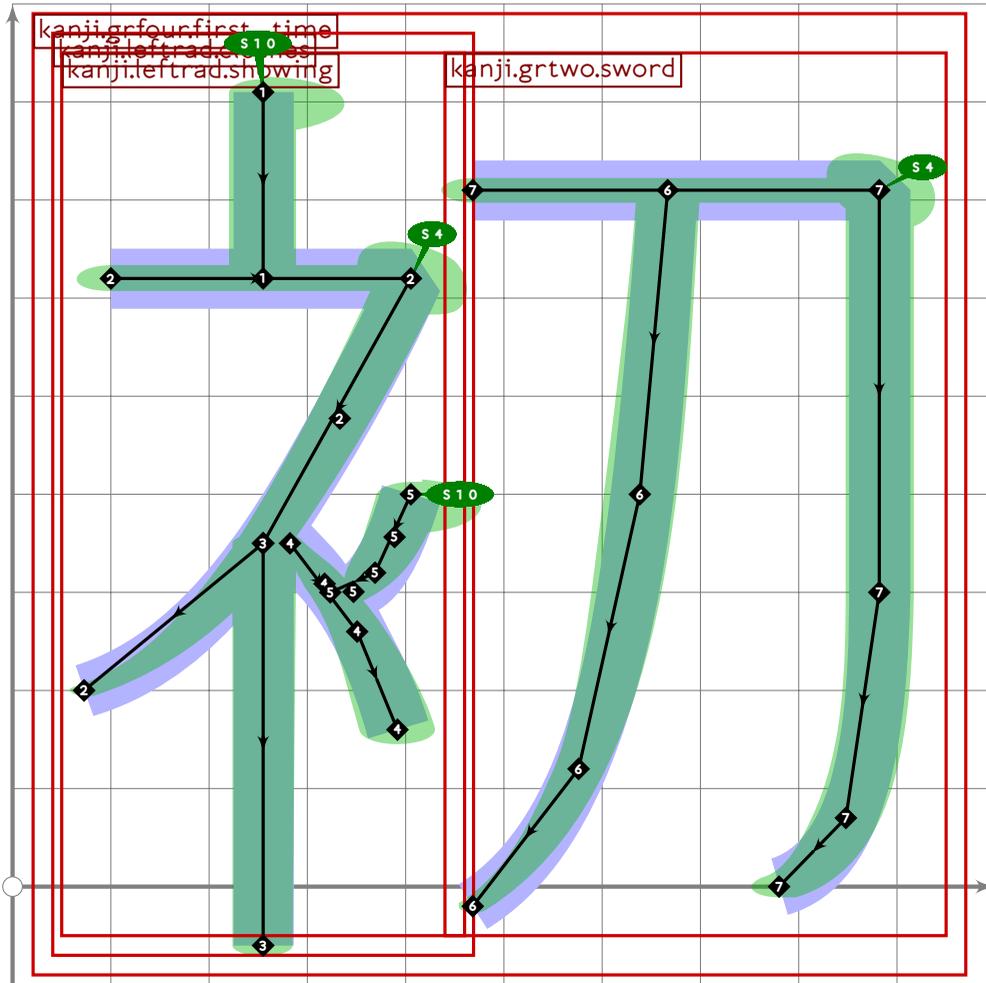
```
89  
90 vardef kanji.grfour.auxilliary =  
91   push_pbox_toexpand("kanji.grfour.auxilliary");  
92   build_kanji.level(build_kanji.lr(620,10  
93     (kanji.rare.roll_of_cloth)  
94     (kanji.rightrad.sword));  
95   expand_pbox;  
96 enddef;
```



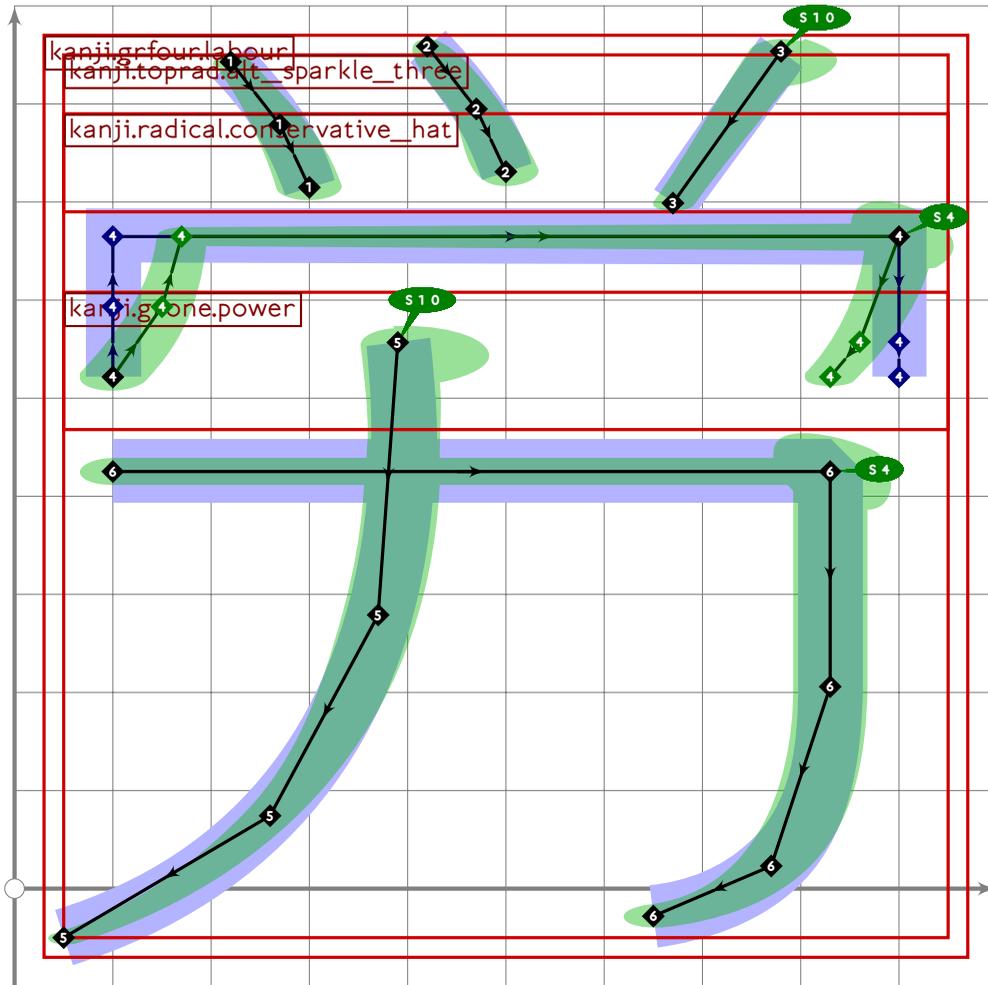
```

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

```



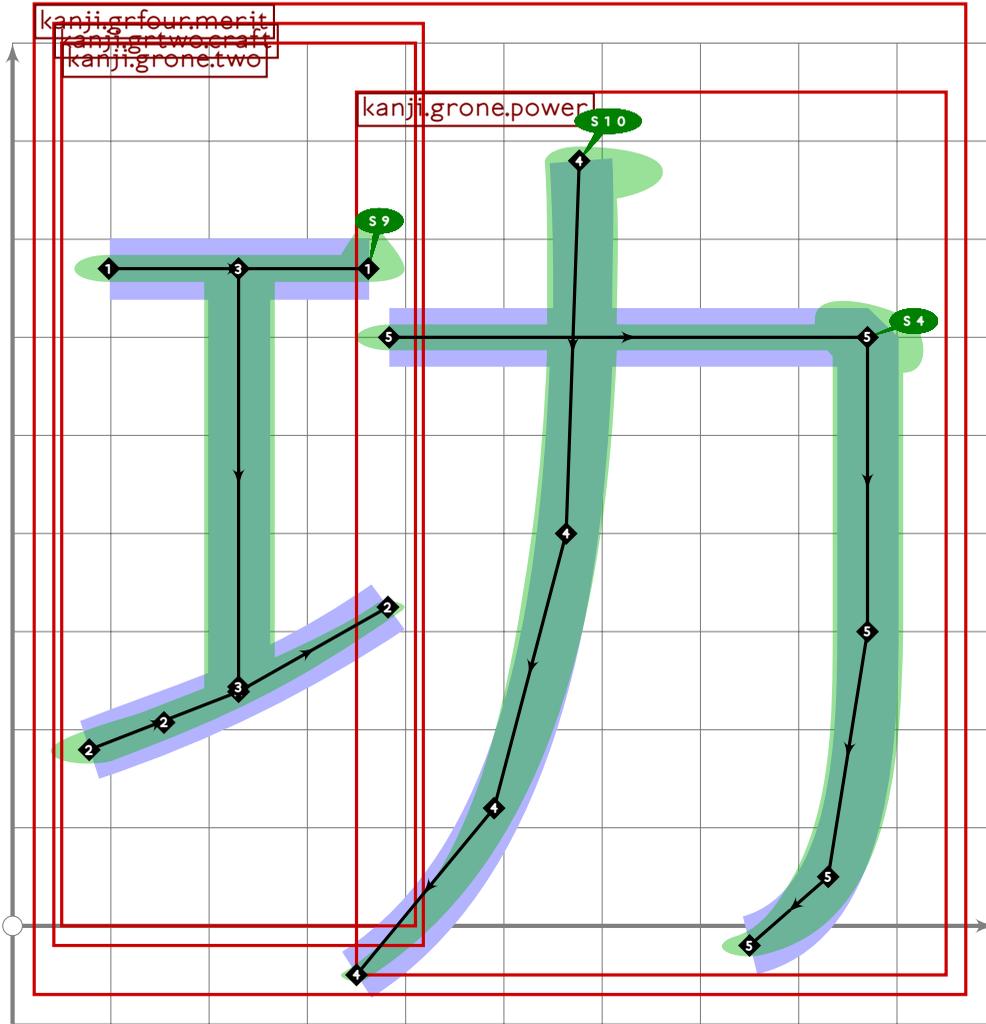
```
108  
109 vardef kanji.grfour.first_time =  
110   push_pbox_toexpand("kanji.grfour.first_time");  
111   build_kanji.level(build_kanji.lr(450,20)  
112     (kanji.leftrad.clothes)  
113     (kanji.grtwo.sword));  
114   expand_pbox;  
115 enddef;
```



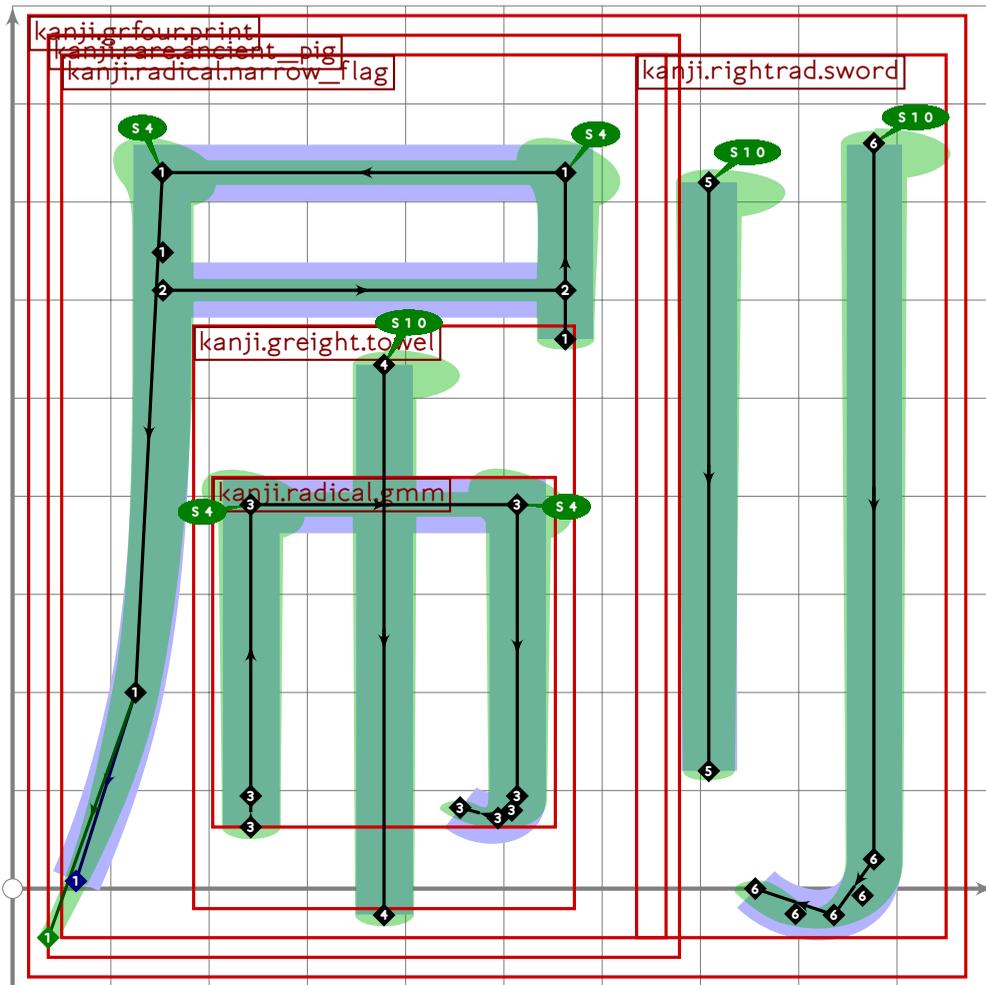
```

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

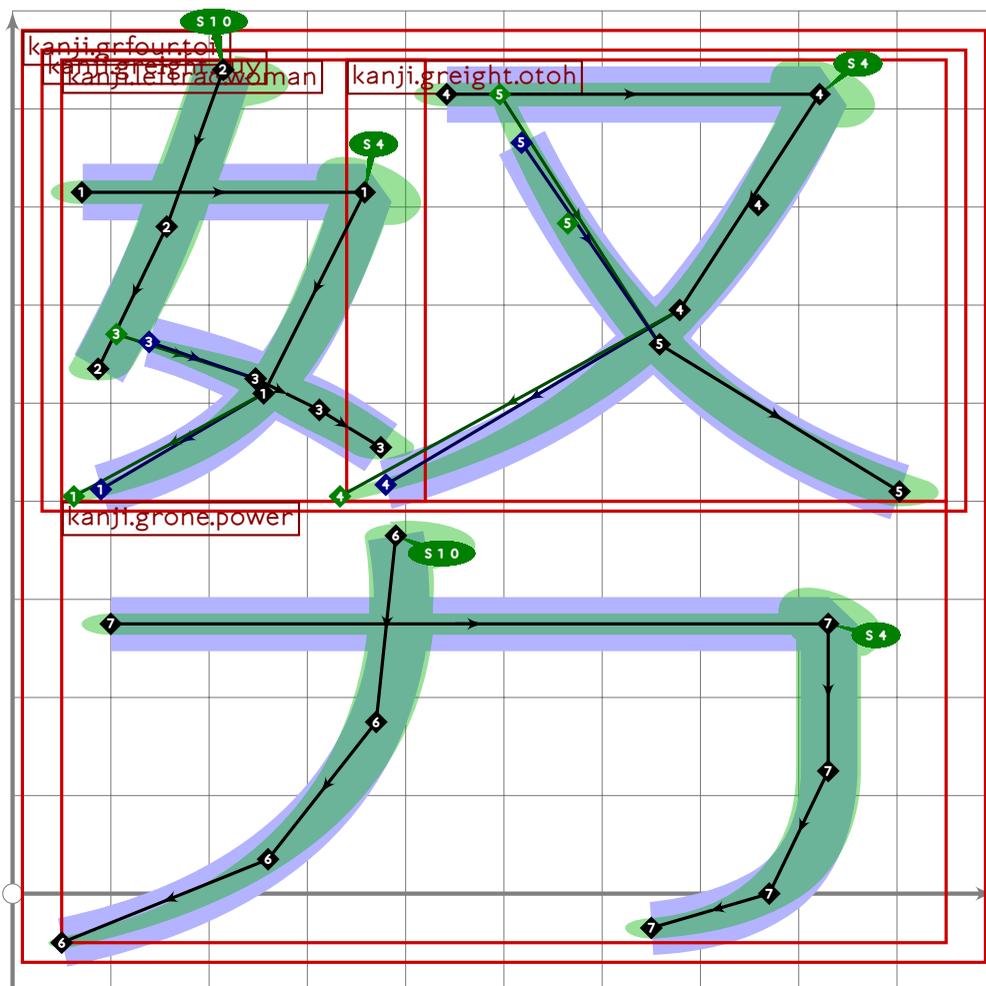
```



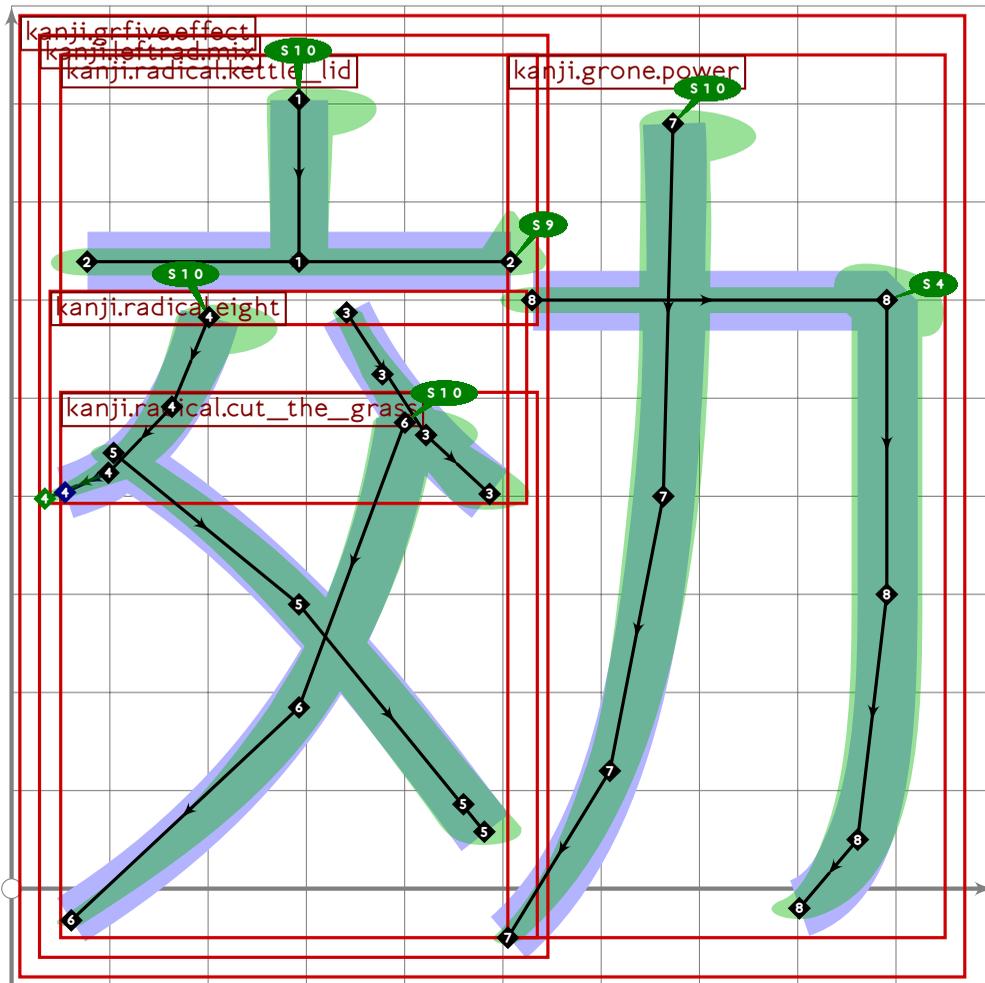
```
126
127 vardef kanji.grfour.merit =
128   push_pbox_toexpand("kanji.grfour.merit");
129   build_kanji.level(build_kanji.lr(380,60)
130     (tsu_xform(identity shifted (0,50))(build_kanji.lift_skirt(400,250)
131       (kanji.grtwo.craft)))
132     (kanji.grone.power));
133   expand_pbox;
134 enddef;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



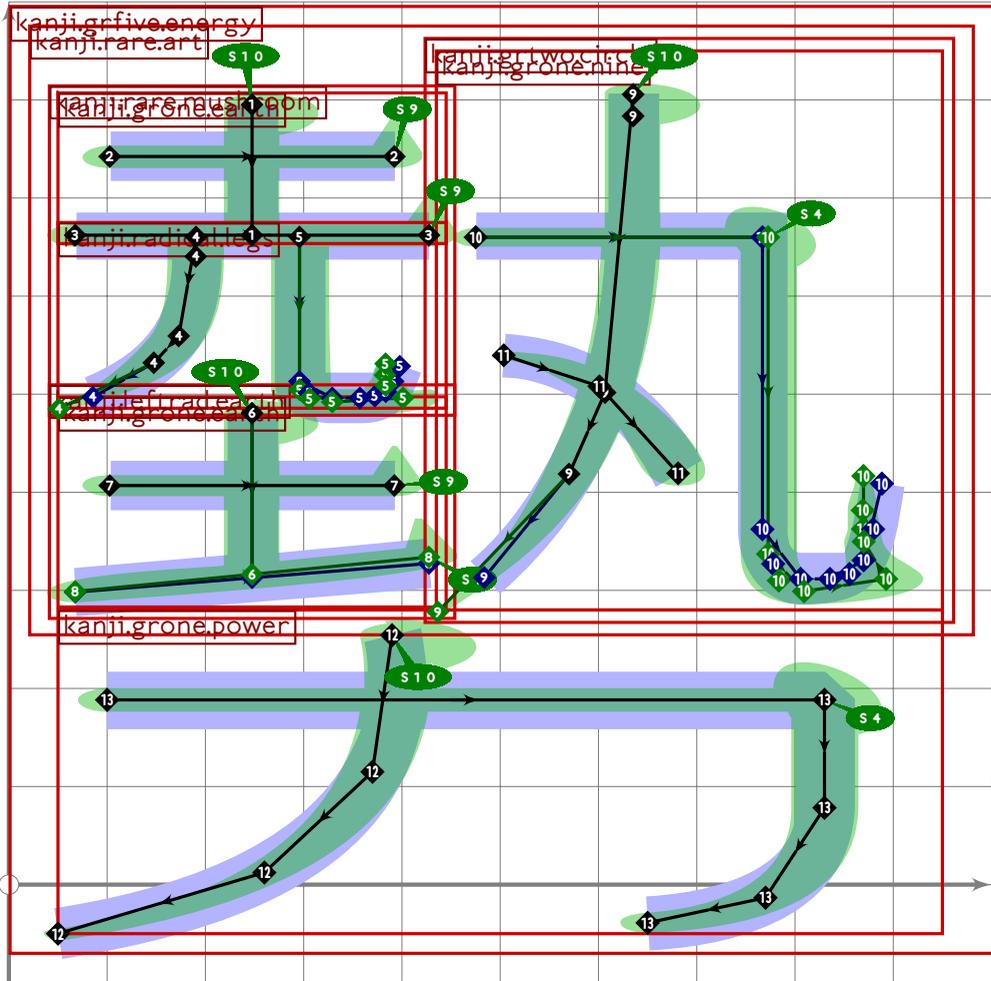
```
135
136 vardef kanji.grfour.print =
137   push_pbox_toexpand("kanji.grfour.print");
138   build_kanji.level(build_kanji.lr(650,30)
139     (kanji.rare.ancient_pig)
140     (kanji.rightrad.sword));
141   expand_pbox;
142 enddef;
```



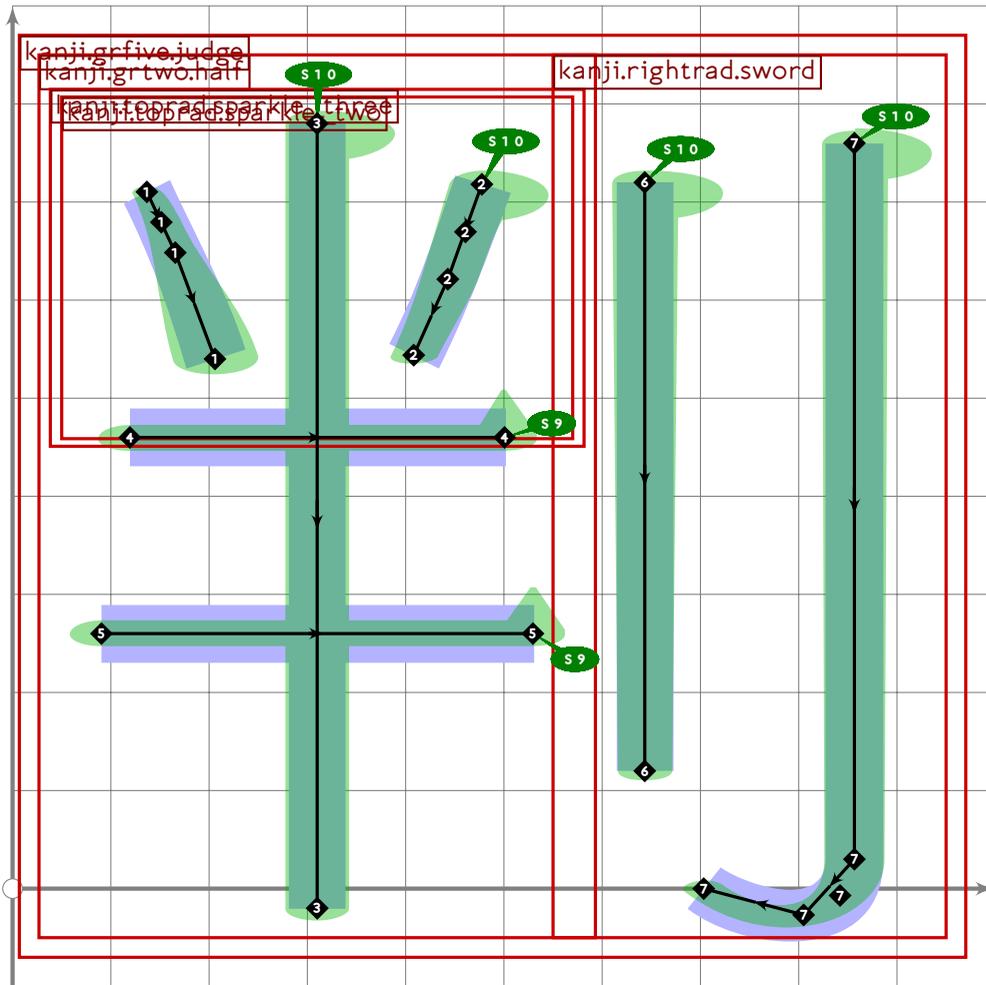
```
143  
144 vardef kanji.grfour.toil =  
145   push_pbox_toexpand("kanji.grfour.toil");  
146   build_kanji.level(build_kanji.tb(400,0)  
147     (kanji.greight.guy)  
148     (kanji.grone.power));  
149   expand_pbox;  
150 enddef;  
151  
152
```



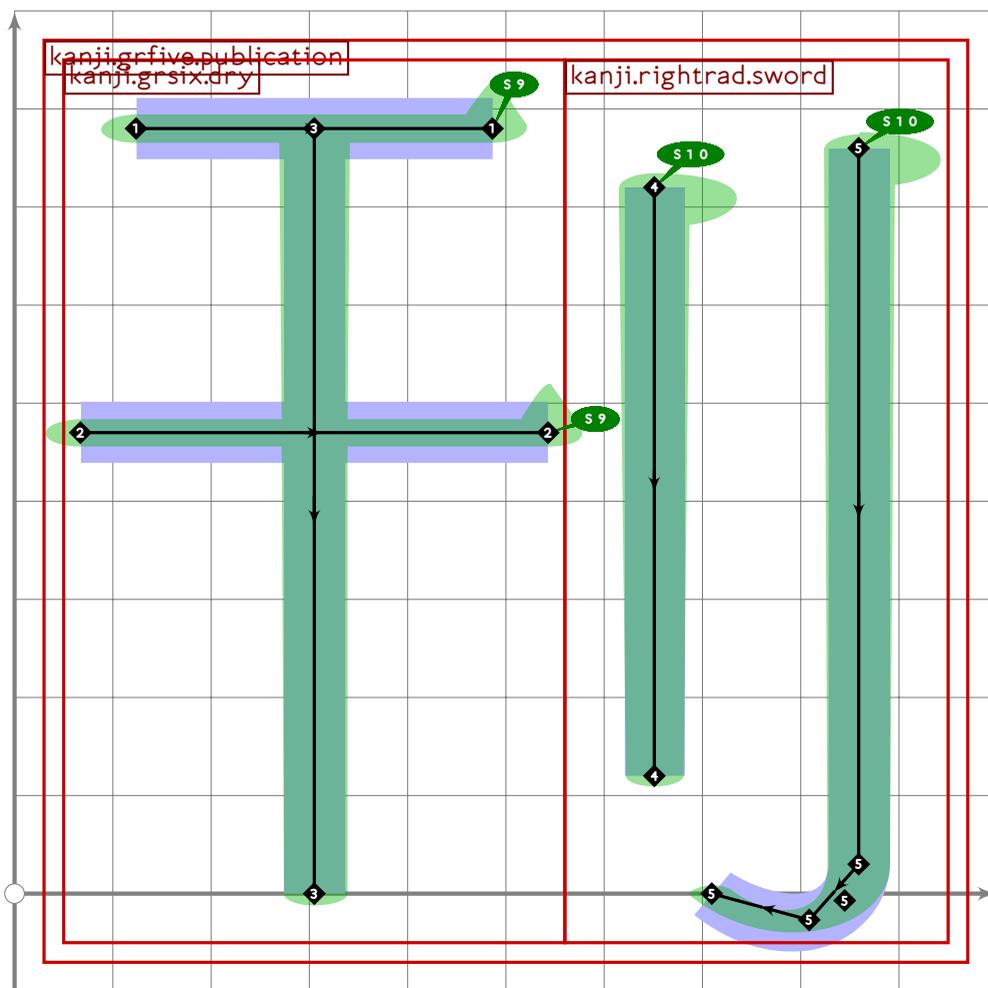
```
153  
154 vardef kanji.grfive.effect =  
155   push_pbox_toexpand("kanji.grfive.effect");  
156   build_kanji.lr(520,30)  
157     (kanji.leftrad.mix)  
158     (kanji.grone.power);  
159   expand_pbox;  
160 enddef;
```



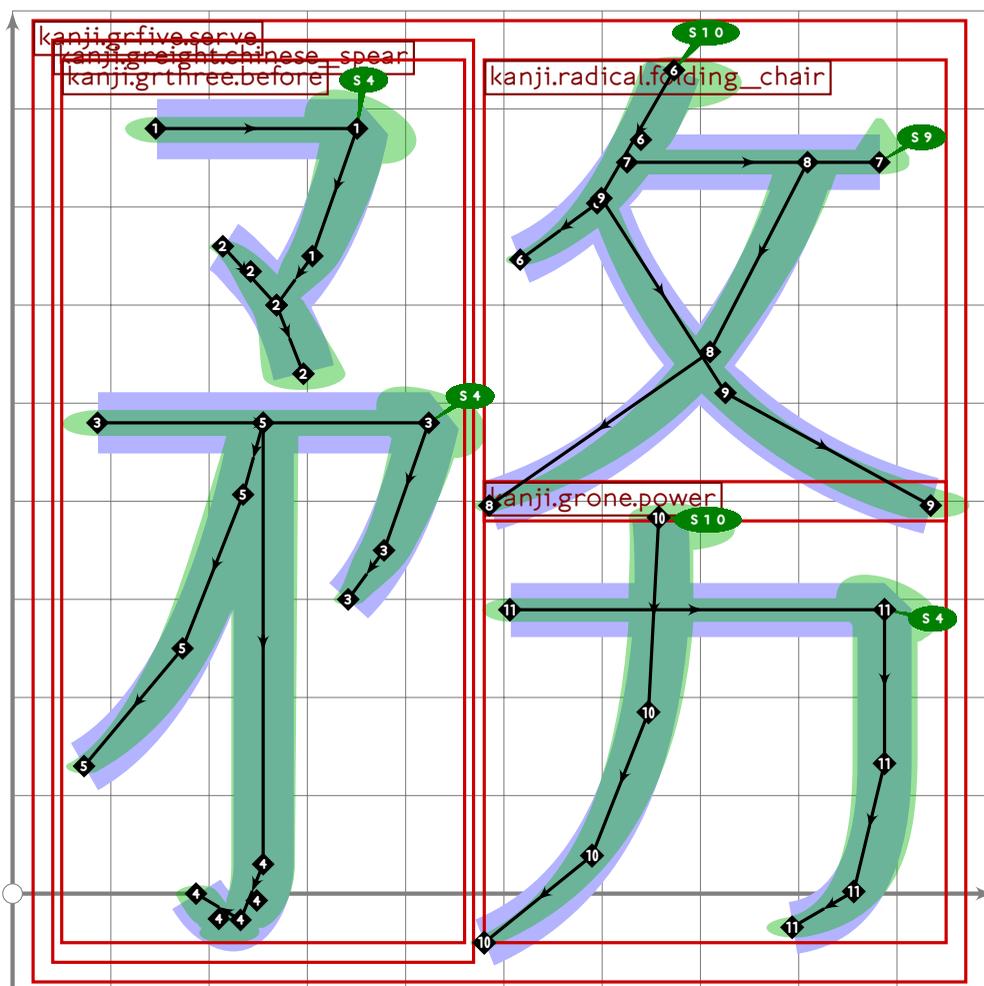
```
161  
162 vardef kanji.grfive.energy =  
163   push_pbox_toexpand("kanji.grfive.energy");  
164   build_kanji.tb(280,0)  
165     (kanji.rare.art)  
166     (kanji.grone.power);  
167   expand_pbox;  
168 enddef;
```



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



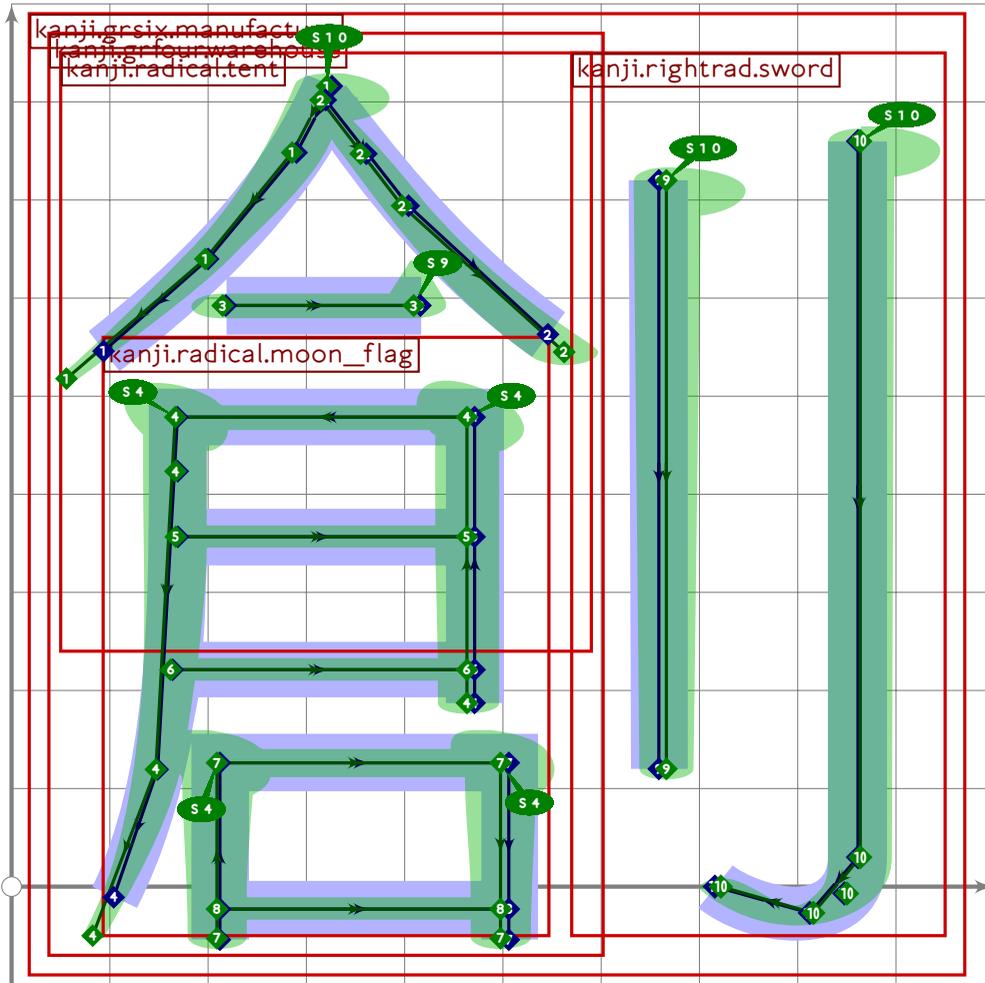
```
177  
178 vardef kanji.grfive.publication =  
179   push_pbox_toexpand("kanji.grfive.publication");  
180   build_kanji.level(build_kanji.lr(560,0)  
181     (kanji.grsix.dry)  
182     (kanji.rightrad.sword));  
183   expand_pbox;  
184 enddef;
```



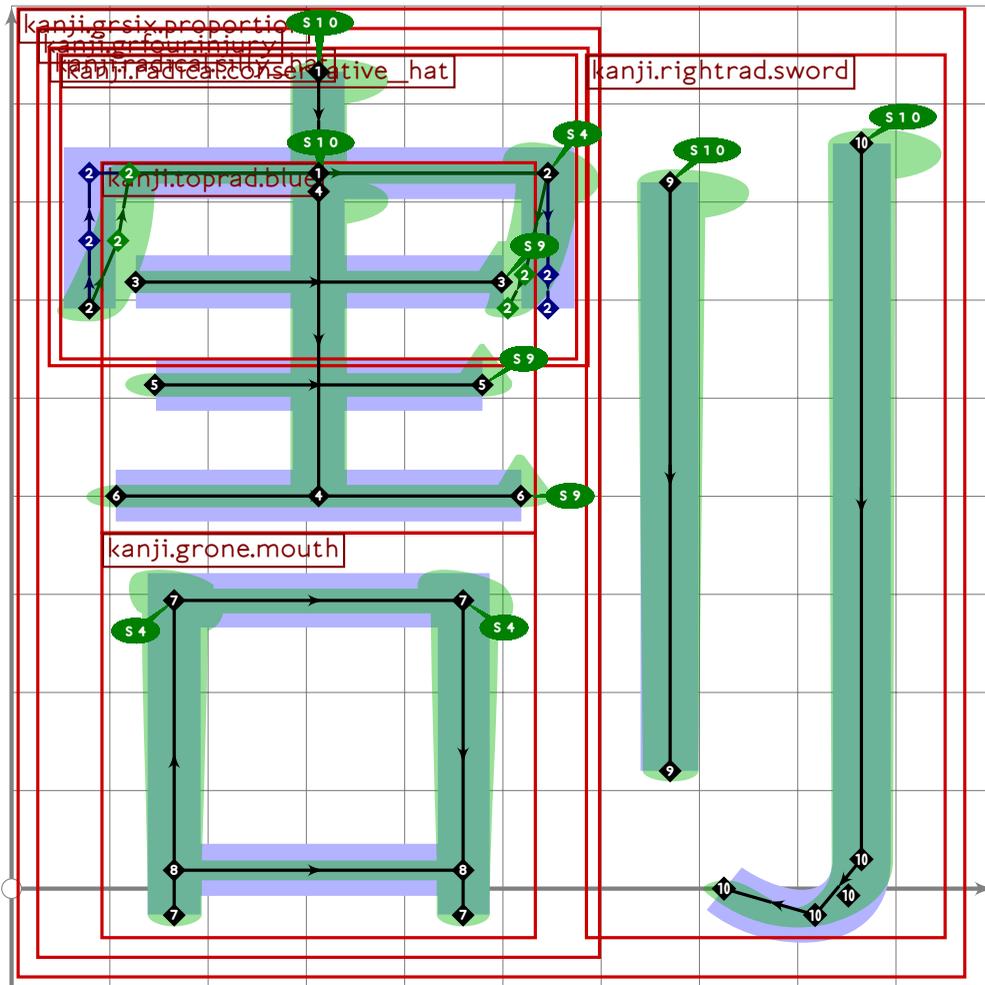
```

185
186 vardef kanji.grfive.serve =
187   push_pbox_toexpand("kanji.grfive.serve");
188   build_kanji.lr(470,20)
189     (kanji.greight.chinese_spear)
190     (build_kanji.tb(400,40)
191       (kanji.radical.folding_chair)
192       (kanji.grone.power));
193   expand_pbox;
194 enddef;
195
196

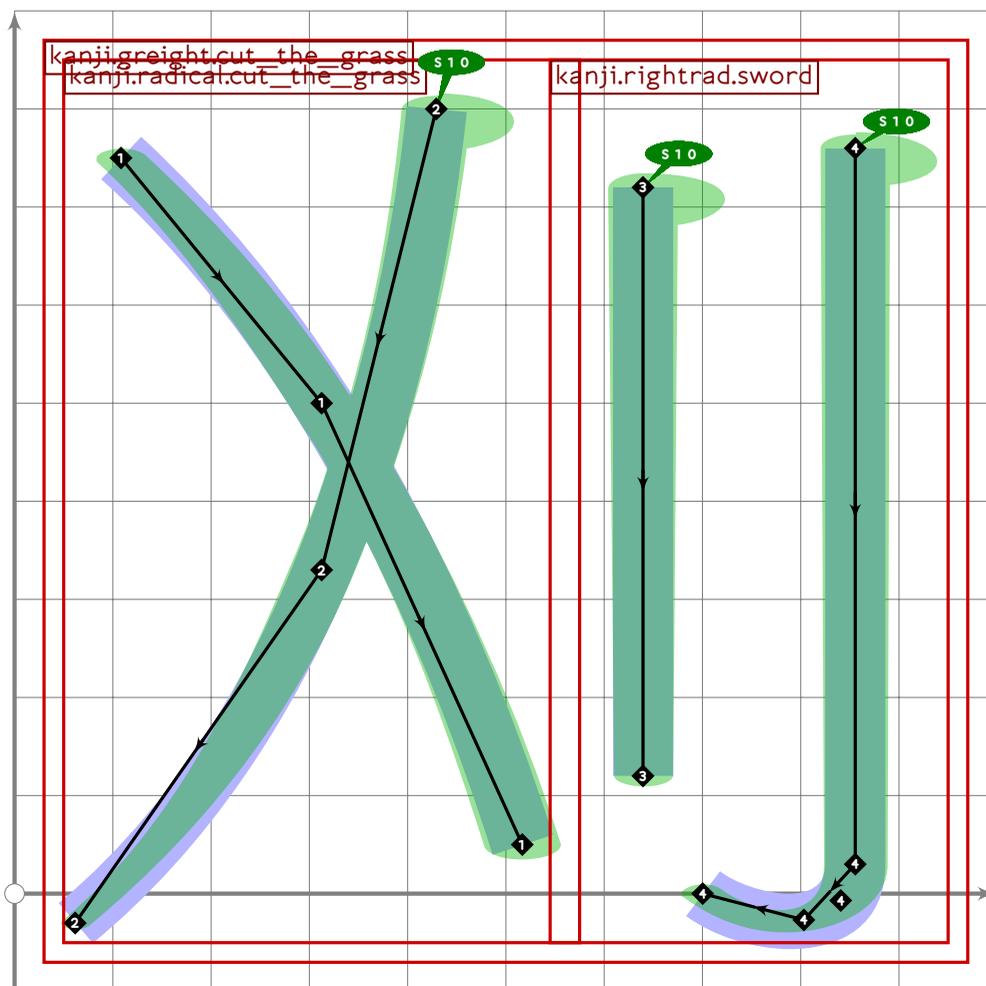
```



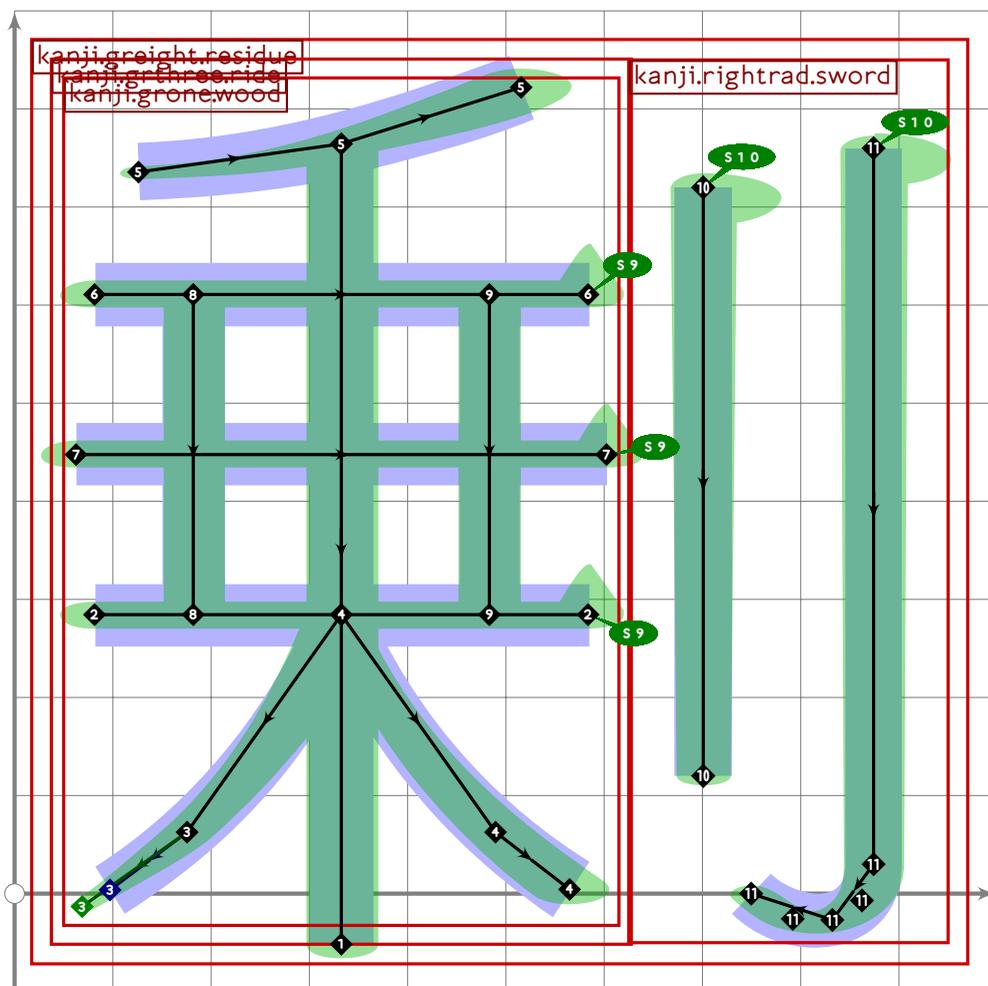
```
197
198 vardef kanji.grsix.manufacture =
199   push_pbox_toexpand("kanji.grsix.manufacture");
200   build_kanji.lr(580,20-20*mincho)
201     (kanji.grfour.warehouse)
202     (kanji.rightrad.sword);
203   expand_pbox;
204 enddef;
```



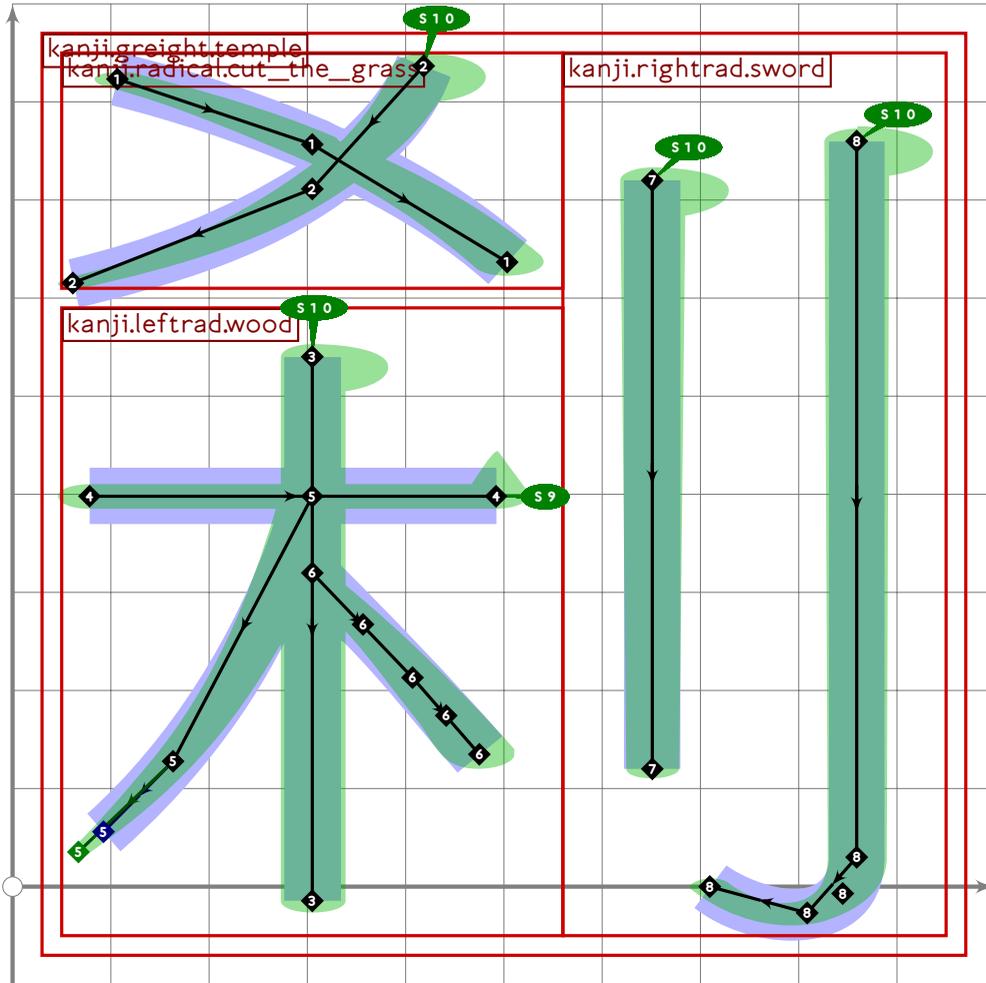
```
205  
206 vardef kanji.grsix.proportion =  
207   push_pbox_toexpand("kanji.grsix.proportion");  
208   build_kanji.lr(580,-10)  
209     (kanji.grfour.injury)  
210     (kanji.rightrad.sword);  
211   expand_pbox;  
212 enddef;  
213  
214
```

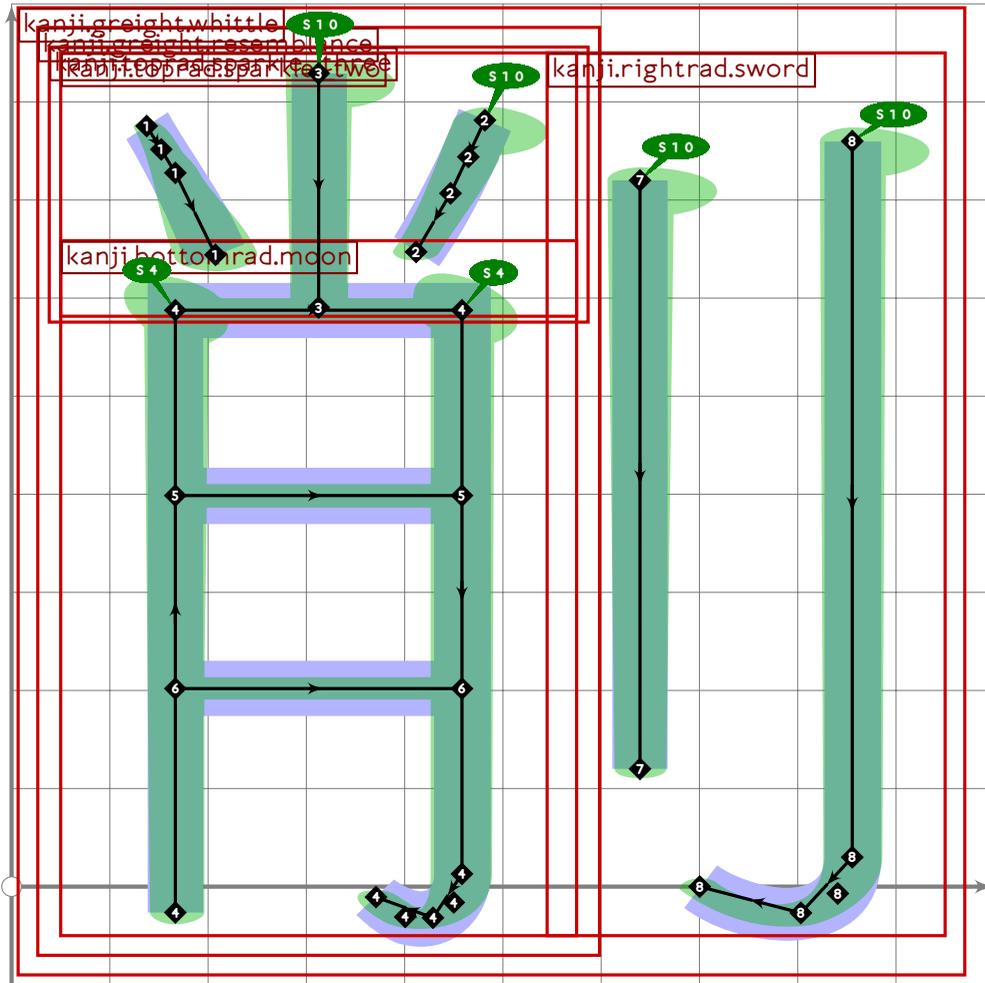
```
225
226 vardef kanji.greight.cut_the_grass =
227   push_pbox_toexpand("kanji.greight.cut_the_grass");
228   build_kanji.level(build_kanji.lr(560,30)
229     (kanji.radical.cut_the_grass)
230     (kanji.rightrad.sword));
231   expand_pbox;
232 enddef;
```



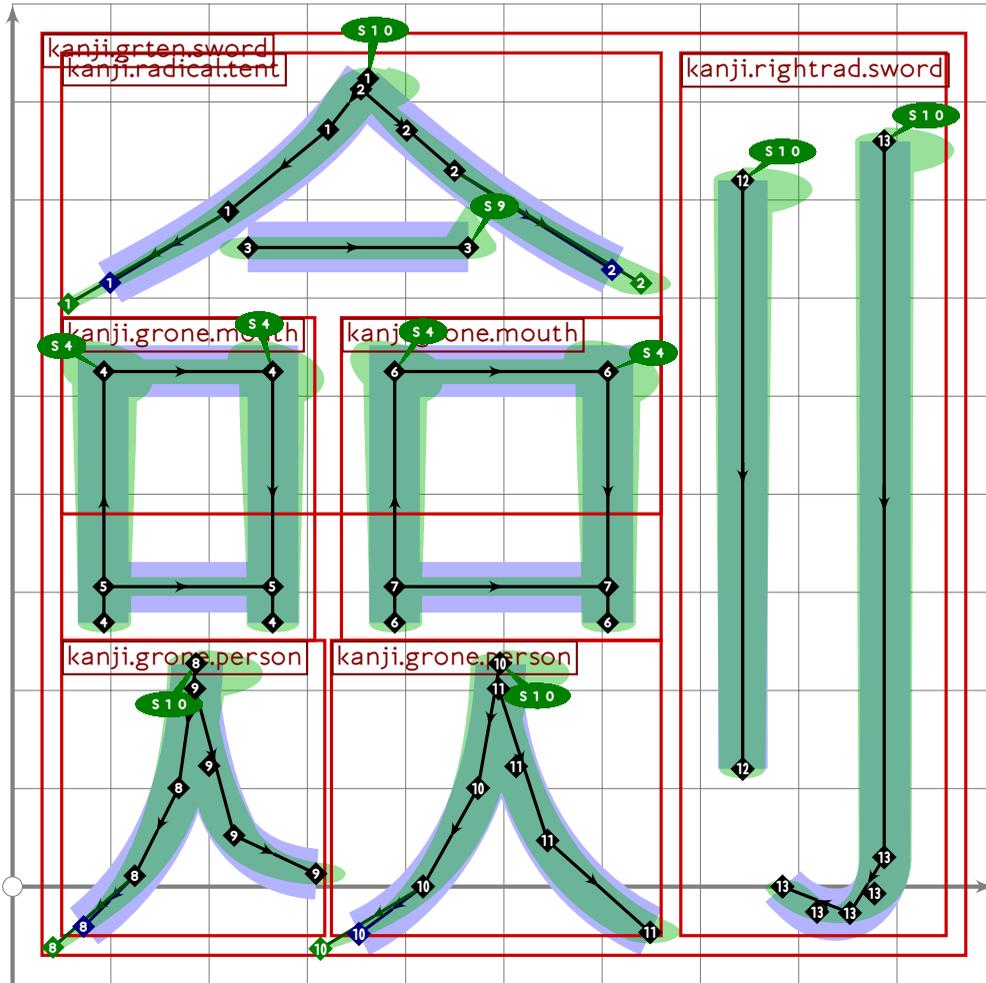
```
233  
234 vardef kanji.greight.residue =  
235   push_pbox_toexpand("kanji.greight.residue");  
236   build_kanji.lr(620,-10)  
237     (build_kanji.sscale(yscaled 0.96)(kanji.grthree.ride))  
238     (kanji.rightrad.sword);  
239   expand_pbox;  
240 enddef;
```

```
249
250 vardef kanji.greight.temple =
251   push_pbox_toexpand("kanji.greight.temple");
252   build_kanji.level(build_kanji.lr(560,0)
253     (build_kanji.tb(600;20)
254       (kanji.radical.cut_the_grass)
255       (kanji.leftrad.wood))
256     (kanji.rightrad.sword));
257   expand_pbox;
258 enddef;
```



```
259  
260 vardef kanji.greight.whittle =  
261   push_pbox_toexpand("kanji.greight.whittle");  
262   build_kanji.level(build_kanji.lr(560,30)  
263     (kanji.greight.resemblance)  
264     (kanji.rightrad.sword));  
265   expand_pbox;  
266 enddef;  
267  
268
```



```

269
270 vardef kanji.grten.sword =
271   push_pbox_toexpand("kanji.grten.sword");
272   build_kanji.level(build_kanji.lr(670,-20)
273     (build_kanji.tb(480,200)
274       (kanji.radical.tent)
275         (build_kanji.tb(380,0)
276           (build_kanji.lr(450,-40)
277             (kanji.grone.mouth)
278             (kanji.grone.mouth))
279           (build_kanji.lr(450,-10)
280             (build_kanji.lift_skirt(280,170)(kanji.grone.person))
281             (kanji.grone.person))))))
282   (kanji.rightrad.sword));
283   expand_pbox;
284 enddef;
285
286
287
288 vardef build_kanji.extend_ltail_enclose(expr splitpoint,overlap)
289   (text leftstuff)(text rightstuff) =

```

```

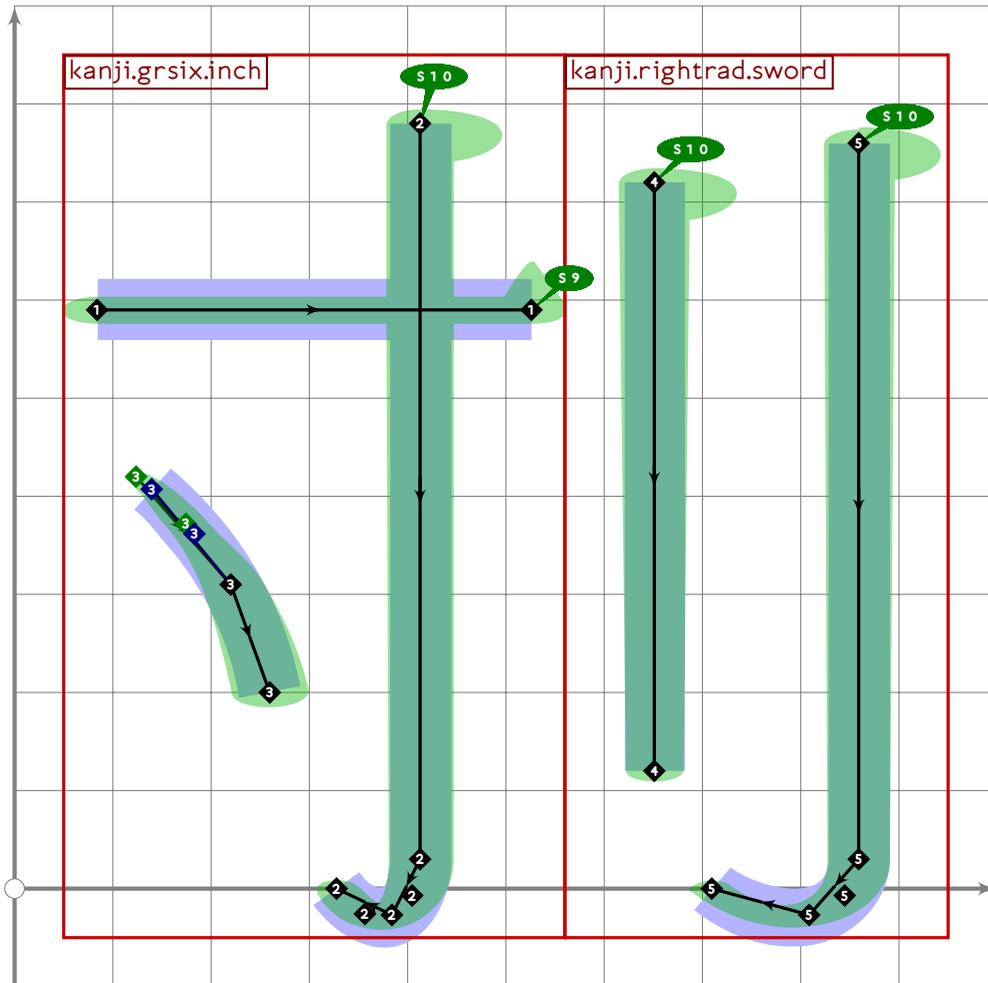
290 perl_structure:=perl_structure&"eids.u2FFA.1_4.2_3,['";
291 push_pbox_toexpand("build_kanji.extend_ltail_enclose");
292 perl_structure:=perl_structure&"]];";
293 begingroup
294   save myxf,ele_curve,i,fsi;
295   transform myxf[];
296   numeric ele_curve,i,fsi;
297   (50,50) transformed myxf1=(50,90);
298   (50,850) transformed myxf1=(50,850);
299   (950,850) transformed myxf1=(870,850);
300   build_kanji.lr(splitpoint,overlap)
301     (perl_structure:=perl_structure&"]];";
302     leftstuff;
303     ele_curve:=last_ltail)
304     (tsu_xform(myxf1)(rightstuff);
305     perl_structure:=perl_structure&"]],["");
306   obstackp[ele_curve]:=
307     subpath (0,length obstackp[ele_curve]-6) of obstackp[ele_curve];
308   obstackq[ele_curve]:=
309     subpath (0,length obstackq[ele_curve]-6) of obstackq[ele_curve];
310   i:=0;
311   forever:
312     fsi:=find_stroke(i);
313     if fsi=last_ltail:
314       build_kanji.add_ltail(i);
315       fi;
316       exitif fsi=last_ltail;
317       i:=i-1;
318   endfor;
319   (ulcorner obstackp[ele_curve]) transformed myxf2=
320     ulcorner obstackp[ele_curve];
321   (llcorner obstackp[ele_curve]) transformed myxf2=
322     llcorner obstackp[ele_curve];
323   (xpart lrcorner obstackp[ele_curve],50) transformed myxf2=
324     (930,50);
325   obstackp[ele_curve]:=obstackp[ele_curve] transformed myxf2;
326 endgroup;
327 perl_structure:=perl_structure&"]];";
328 expand_pbox;
329 enddef;
330
331
332
333 vardef kanji.leftrad.mix =
334   push_pbox_toexpand("kanji.leftrad.mix");
335   build_kanji.level(build_kanji.tb(610,70)
336     (kanji.radical.kettle_lid)
337     (build_kanji.tb(620,100)

```

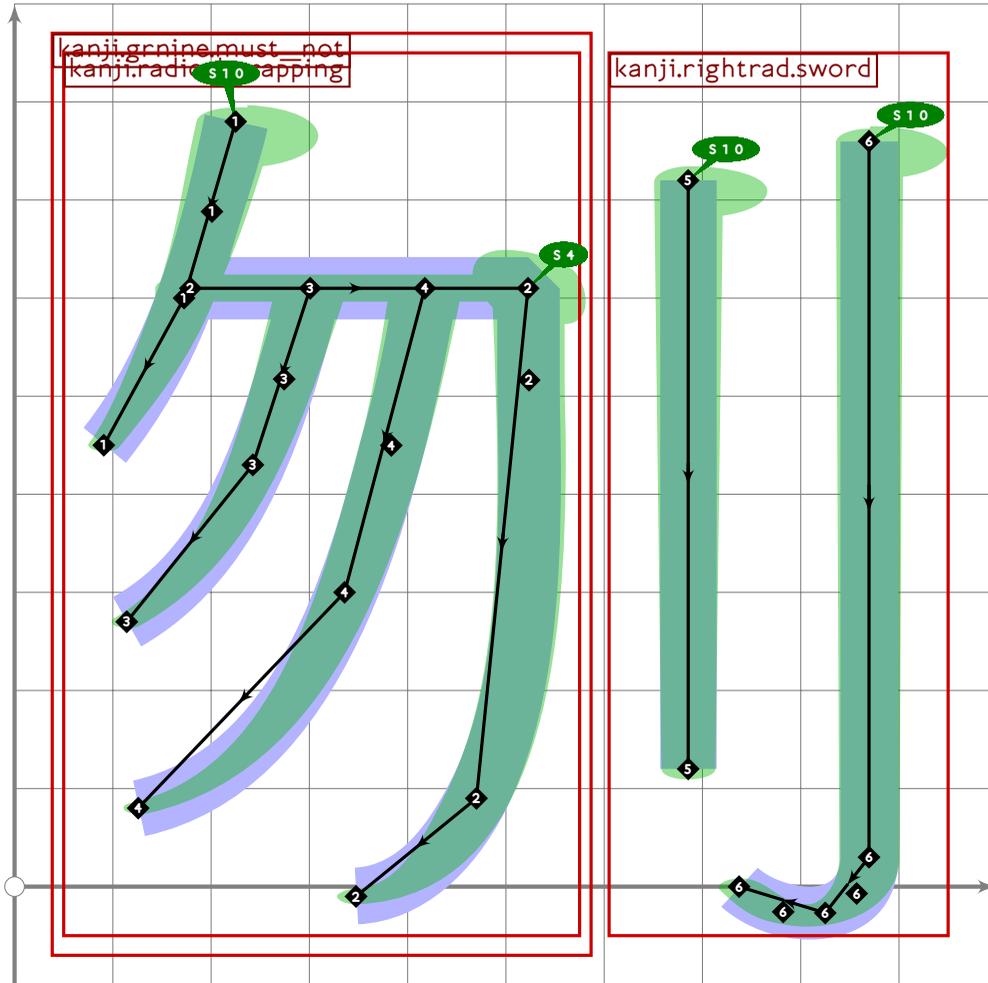
```

338     (tsu_xform(identity shifted (-20,-150))(kanji.radical.eight))
339     (build_kanji.lift_skirt(250,110)(kanji.radical.cut_the_grass)))));
340 expand_pbox;
341 enddef;
342
343 _____
344
345 % tou/katana "sword"
346 begintsuglyph("uni5200"0); [see page 582]
347 kanji.grtwo.sword;
348 tsu_render;
349 endtsuglyph;
350
351 % tou "sword radical"
352 begintsuglyph("uni5202"2); [see page 907]
353 kanji.rightrad.sword;
354 tsu_render;
355 endtsuglyph;
356
357 % bun/wa "minute" or "understand" (wakarimasu ka?)
358 begintsuglyph("uni5206"6); [see page 549]
359 kanji.grtwo.minute;
360 tsu_render;
361 endtsuglyph;
362
363 % setsu/ki "cut"
364 begintsuglyph("uni5207"7); [see page 2151]
365 kanji.grtwo.cut;
366 tsu_render;
367 endtsuglyph;
368
369 % gai/ka "mow"
370 begintsuglyph("uni5208"8); [see page 2169]
371 kanji.greight.cut_the_grass;
372 tsu_render;
373 endtsuglyph;
374
375 % kan "publication"
376 begintsuglyph("uni520A"10); [see page 2164]
377 kanji.grfive.publication;
378 tsu_render;
379 endtsuglyph;
380

```

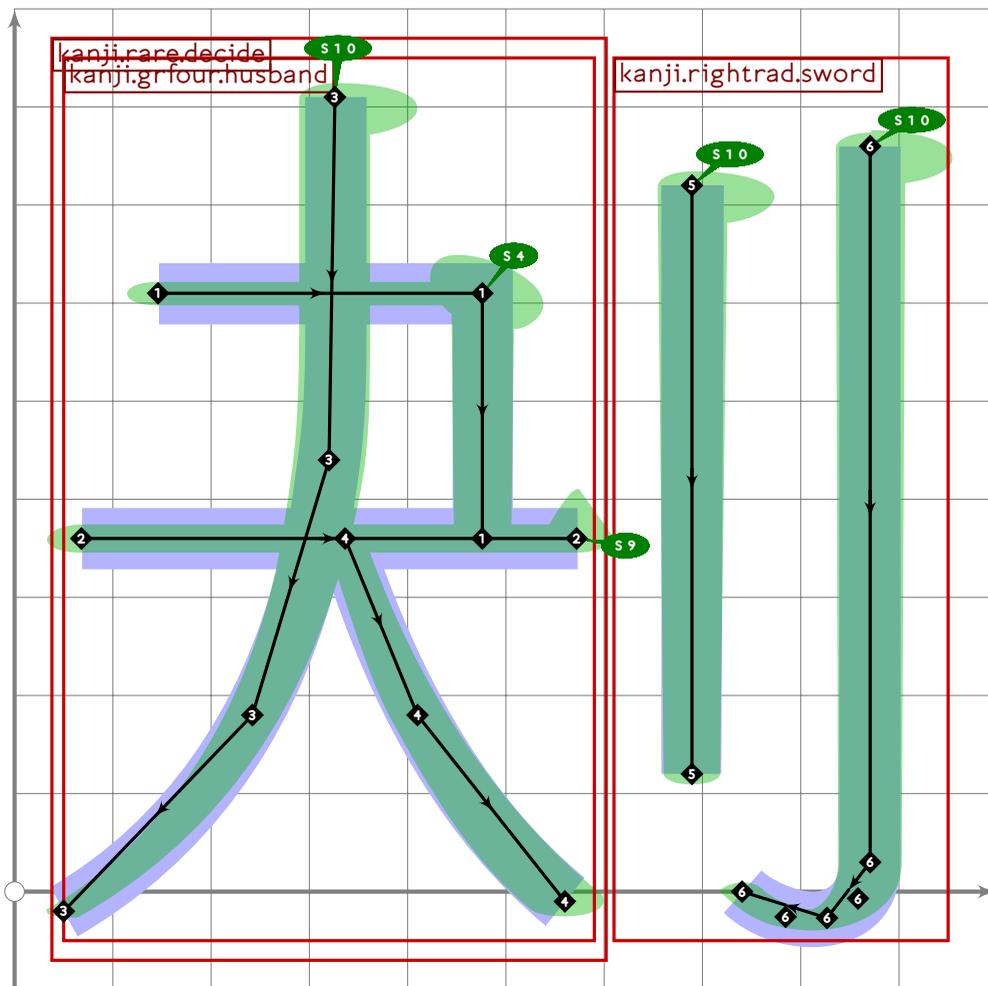


```
381 % extra
382 begintsuglyph("uni520C";12);
383 build_kanji.level(build_kanji.lr(560,0)
384   (kanji.grsix.inch)
385   (kanji.rightrad.sword));
386 tsu_render;
387 endsuglyph;
388
```

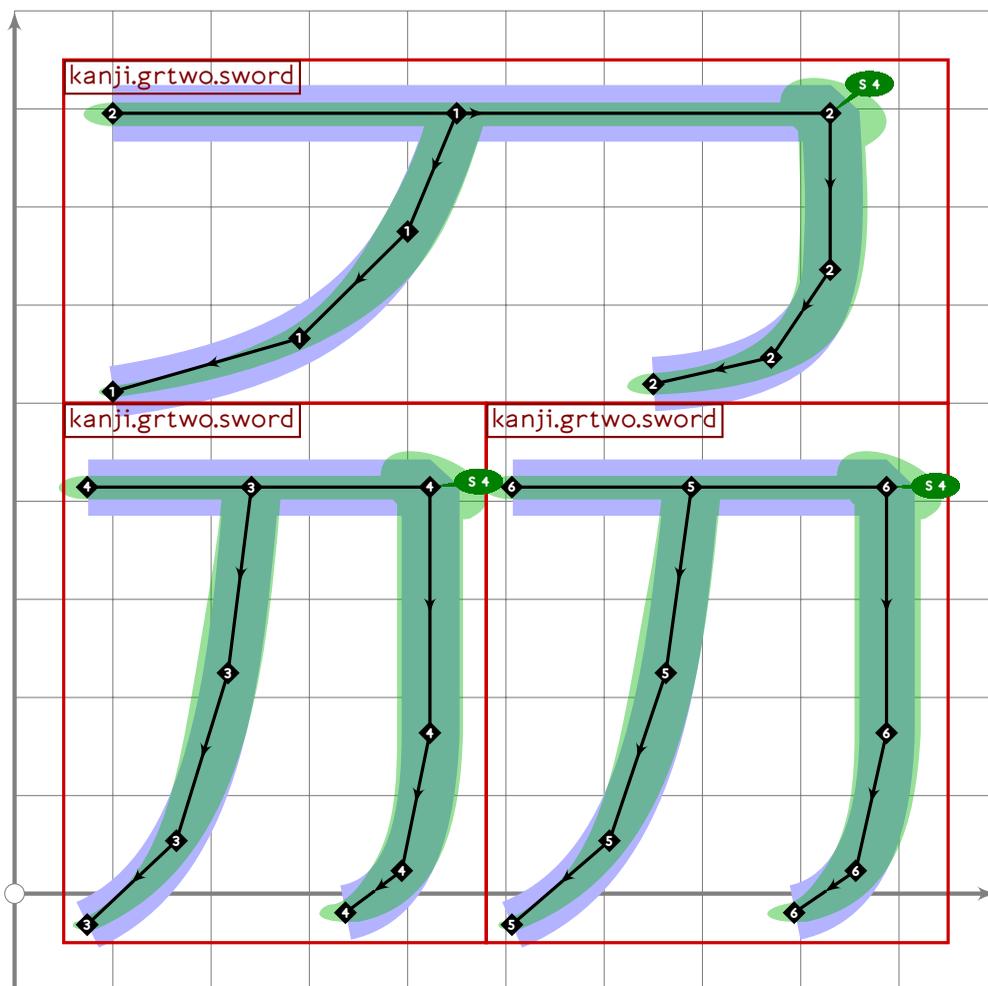


```
389 % extra: fun/haneru "decapitate"  
390 begintsuglyph("uni520E";14);  
391 build_kanji.lr(590;30)  
392 (kanji.grnine.must_not)  
393 (kanji.rightrad.sword);  
394 tsu_render;  
395 endtsuglyph;  
396  
397 % kei "punish"  
398 begintsuglyph("uni5211";17);  
399 kanji.greight.punish;  
400 tsu_render;  
401 endtsuglyph;  
402
```

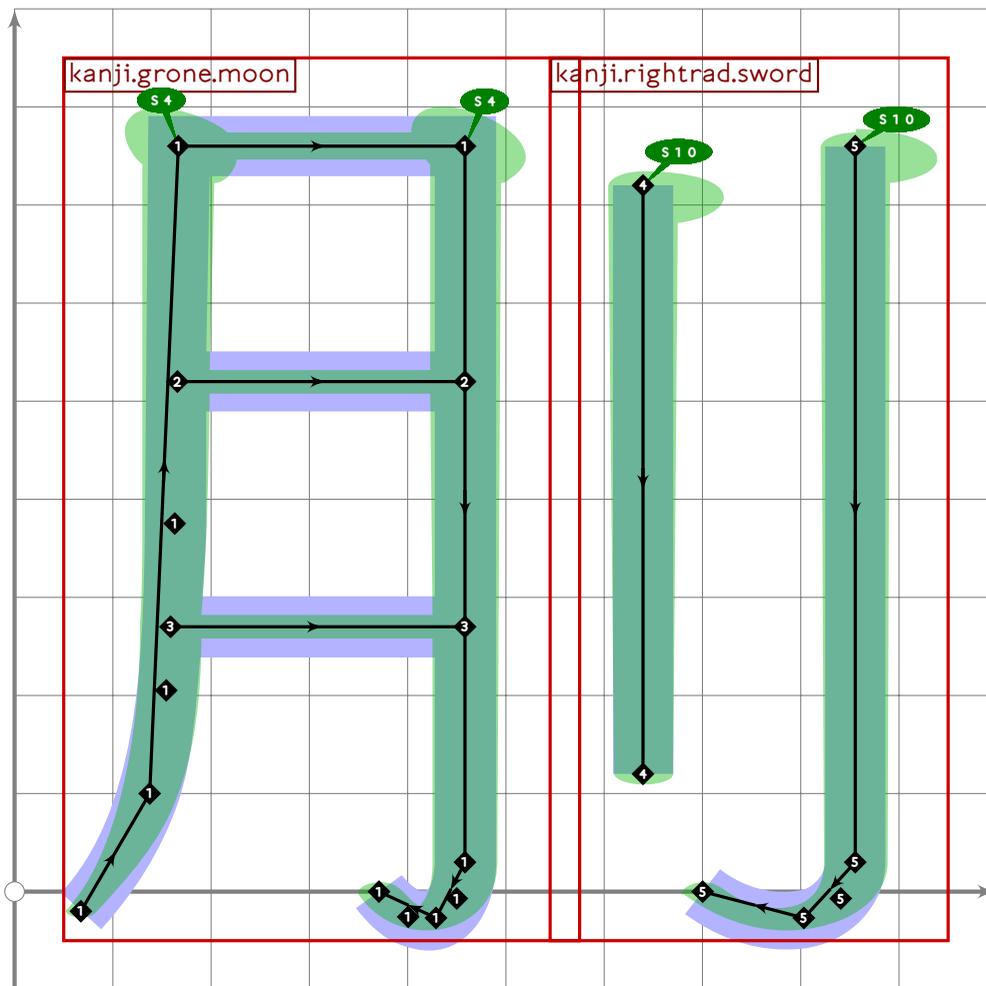
[see page 966]



```
403 % extra: ketsu/eguru "scoop out"  
404 begintsuglyph("uni5214";20);  
405 build_kanji.level(build_kanji.lr(600;20)  
406 (kanji.rare.decide)  
407 (kanji.rightrad.sword));  
408 tsu_render;  
409 endsuglyph;  
410
```

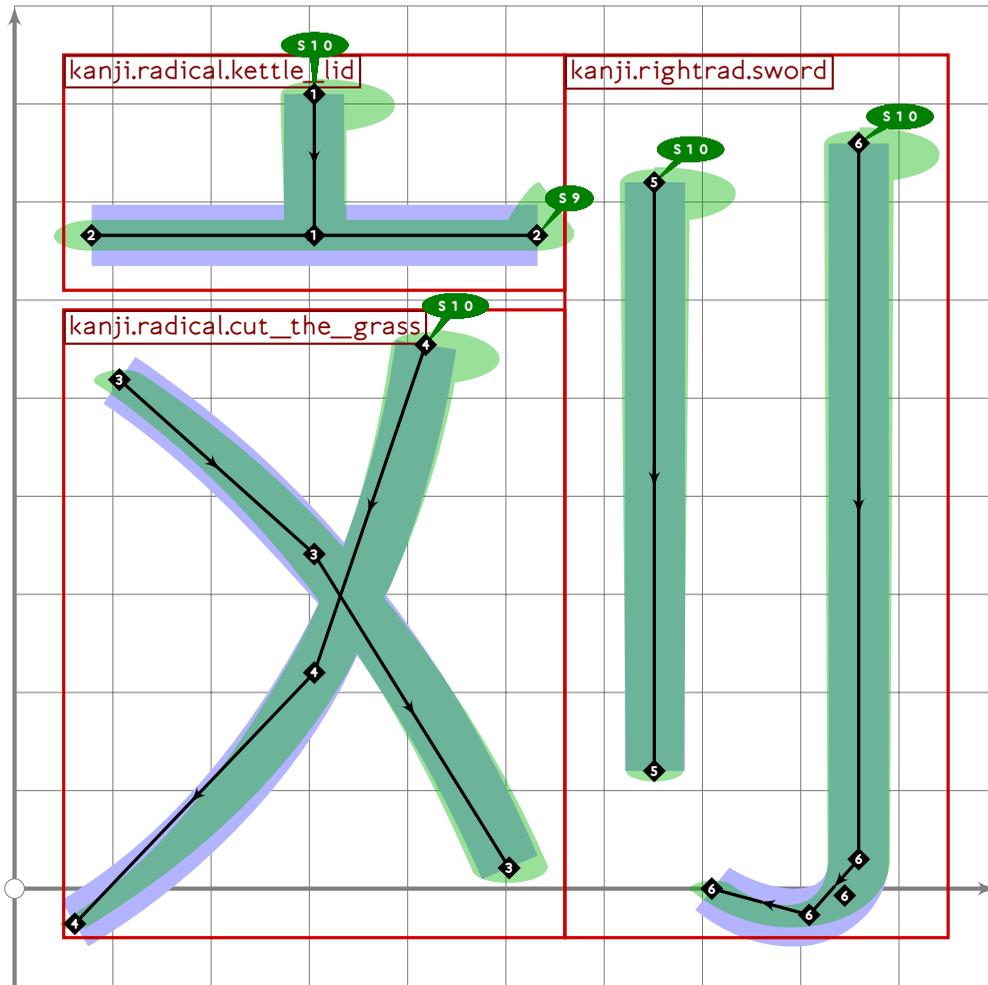


```
411 % extra
412 begintsuglyph("uni5215";21);
413 build_kanji.level(build_kanji.tricluster(1)
414   (kanji.grtwo.sword)
415   (kanji.grtwo.sword)
416   (kanji.grtwo.sword));
417 tsu_render;
418 endtsuglyph;
419
```



```
420 % extra: punishment by cutting off the feet (wtf?)
421 begintsuglyph("uni5216";22);
422 build_kanji.level(build_kanji.lr(560,30)
423   (kanji.grone.moon)
424   (kanji.rightrad.sword));
425 tsu_render;
426 endsuglyph;
427
428 % retsu "column"
429 begintsuglyph("uni5217";23);
430 kanji.grthree.column;
431 tsu_render;
432 endsuglyph;
433
```

[see page 618]



```
434 % extra: kill, destroy
435 begintsuglyph("uni5218";24);
436 build_kanji.level(build_kanji.lr(560,0)
437   (build_kanji.tb(600-20)
438     (kanji.radical.kettle_lid)
439     (kanji.radical.cut_the_grass))
440   (kanji.rightrad.sword));
441 tsu_render;
442 endtsuglyph;
443
444 % sho/haji "first time"
445 begintsuglyph("uni521D";29);
446 kanji.grfour.first_time;
447 tsu_render;
448 endtsuglyph;
449
450 % han/kawa "judge"
451 begintsuglyph("uni5224";36);
452 kanji.grfive.judge;
453 tsu_render;
454 endtsuglyph;
```

[see page 2156]

[see page 2163]

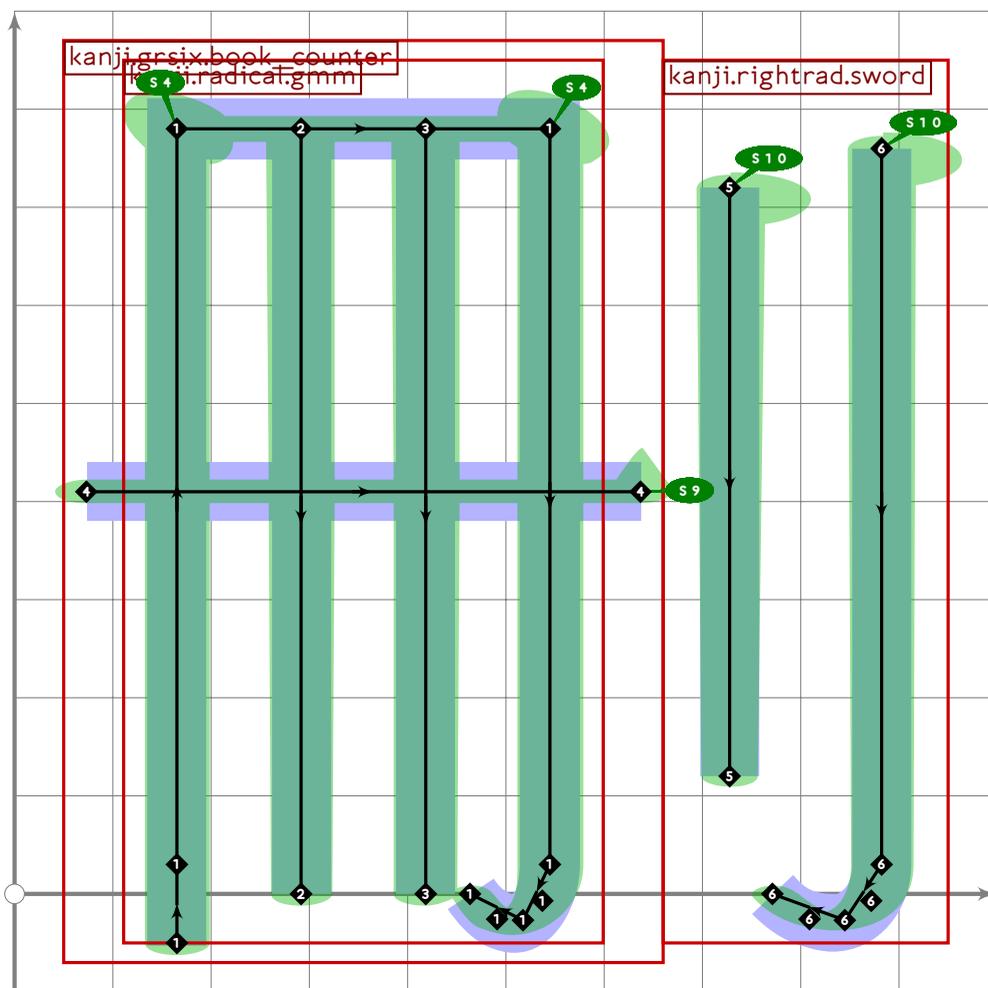
```

455
456 % betsu/waka "distinction"
457 begintsuglyph("uni5225";37);
458 kanji.grfour.distinction;
459 tsu_render;
460 endtsuglyph;
461
462 % ri/ki "advantage"
463 begintsuglyph("uni5229";41);
464 kanji.grfour.advantage;
465 tsu_render;
466 endtsuglyph;
467

```

[see page 2155]

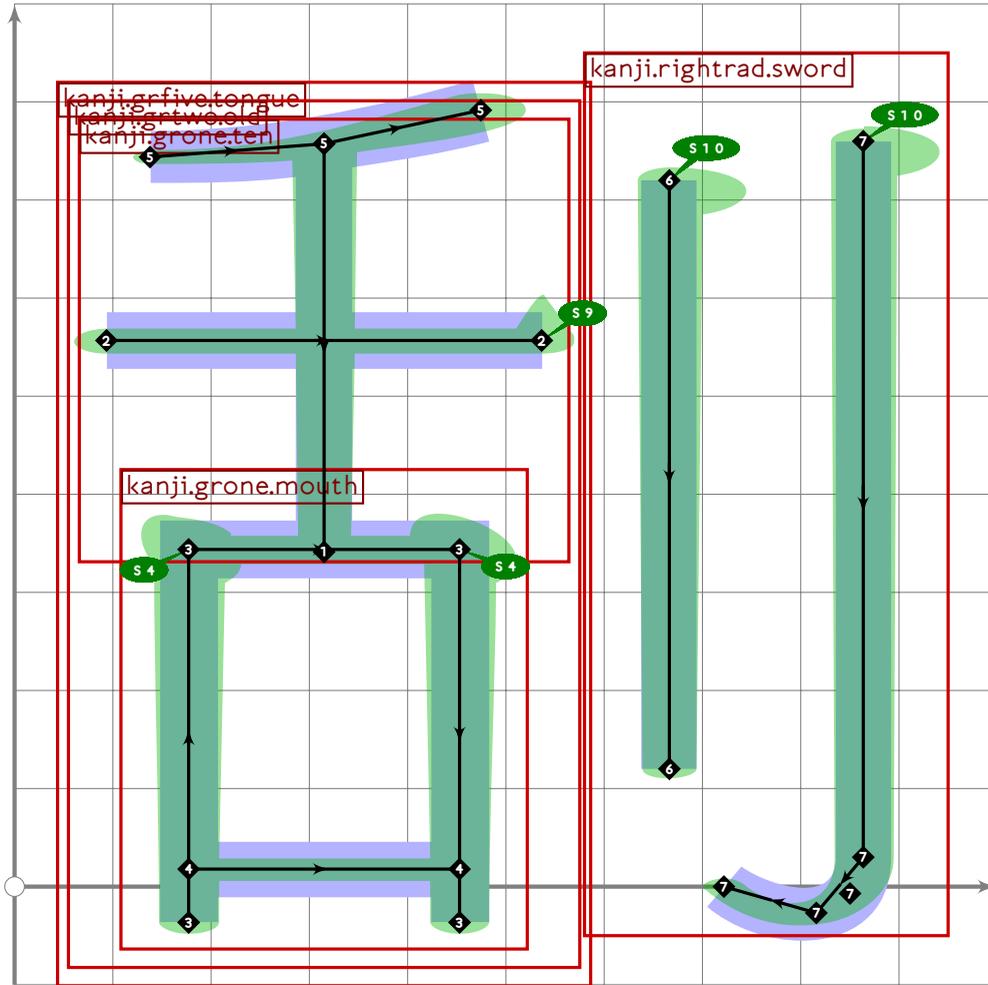
[see page 684]



```

468 % extra: san/kezuru "revise"
469 begintsuglyph("uni522A";42);
470 build_kanji.level(build_kanji.lr(660,0)
471 (kanji.grsix.book_counter)
472 (kanji.rightrad.sword));
473 tsu_render;
474 endtsuglyph;
475

```

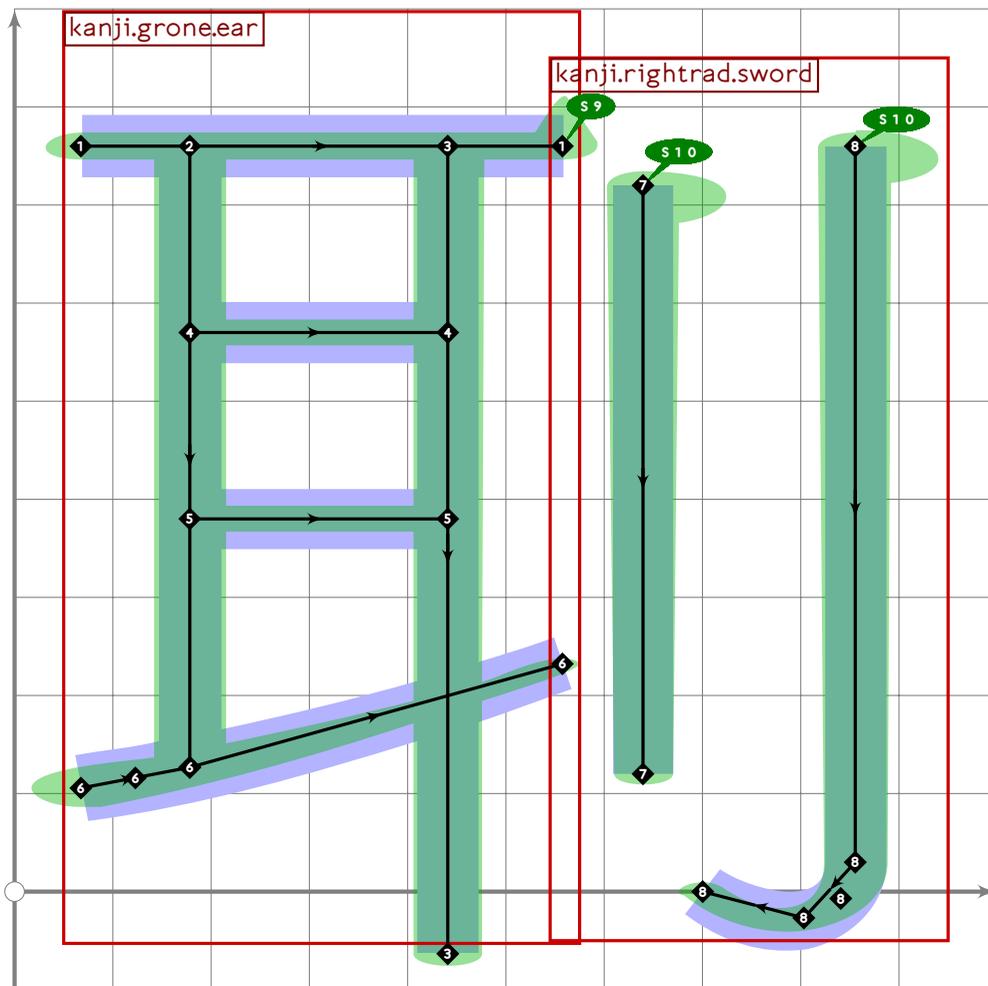


```

476 % extra: ketsu/kosogeru "scrape off"
477 begintsuglyph("uni522E";46);
478   build_kanji.level(build_kanji.lr(580,0)
479     (build_kanji.sscale(scaled 0.94 shifted (0,-40))(kanji.grfive.tongue))
480     (kanji.rightrad.sword));
481   tsu_render;
482 endtsuglyph;
483
484 % tou/ita "arrive"
485 begintsuglyph("uni5230";48);
486   kanji.greight.arrive;
487   tsu_render;
488 endtsuglyph;
489

```

[see page 2168]



```

490 % extra: punishment by cutting off the ears
491 begintsuglyph("uni5235";53);
492   build_kanji.level(build_kanji.lr(560,30)
493     (tsu_xform(identity yscaled (760/720))(kanji.grone.ear))
494     (kanji.rightrad.sword));
495   tsu_render;
496 endtsuglyph;
497
498 % sei "system" (as in "I like a boy in SEIfuku")
499 begintsuglyph("uni5236";54);
500   kanji.grfive.system;
501   tsu_render;
502 endtsuglyph;
503
504 % satsu/su "print"
505 begintsuglyph("uni5237";55);
506   kanji.grfour.print;
507   tsu_render;
508 endtsuglyph;
509
510 % ken "ticket"

```

[see page 809]

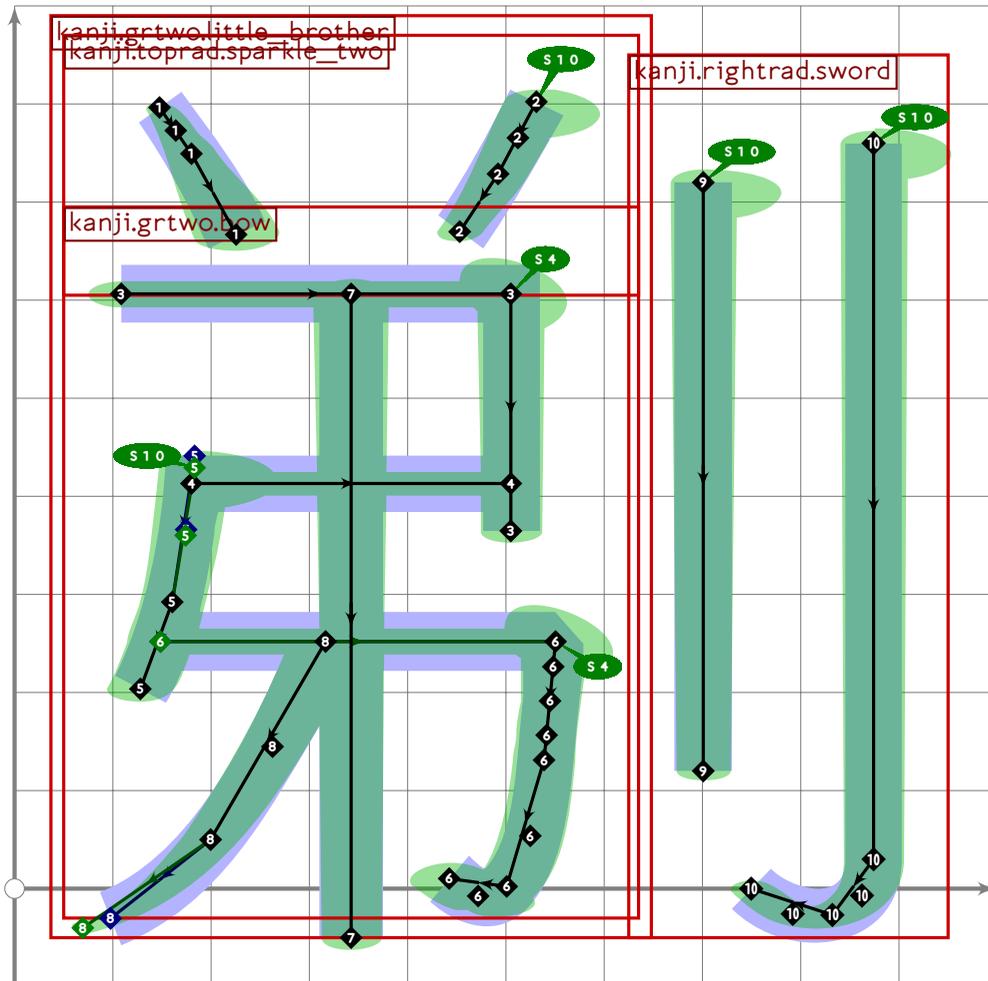
[see page 2159]

U+5243
tsuku.uni5243

```
511 begintsuglyph("uni5238";56);  
512 kanji.grfive.ticket;  
513 tsu_render;  
514 endtsuglyph;  
515  
516 % satsu "temple/central pillar of pagoda"  
517 begintsuglyph("uni5239";57);  
518 kanji.greight.temple;  
519 tsu_render;  
520 endtsuglyph;  
521
```

[see page 811]

[see page 2172]



52

```
522 % extra: tei/soru "shave"  
523 begintsuglyph("uni5243";67);  
524 build_kanji.lr(630,10)  
525   (build_kanji.sscale(shifted (0,20))(kanji.grtwo.little_brother))  
526   (kanji.rightrad.sword);  
527 tsu_render;  
528 endtsuglyph;  
529  
530 % soku/notto "conform"  
531 begintsuglyph("uni5247";71);
```

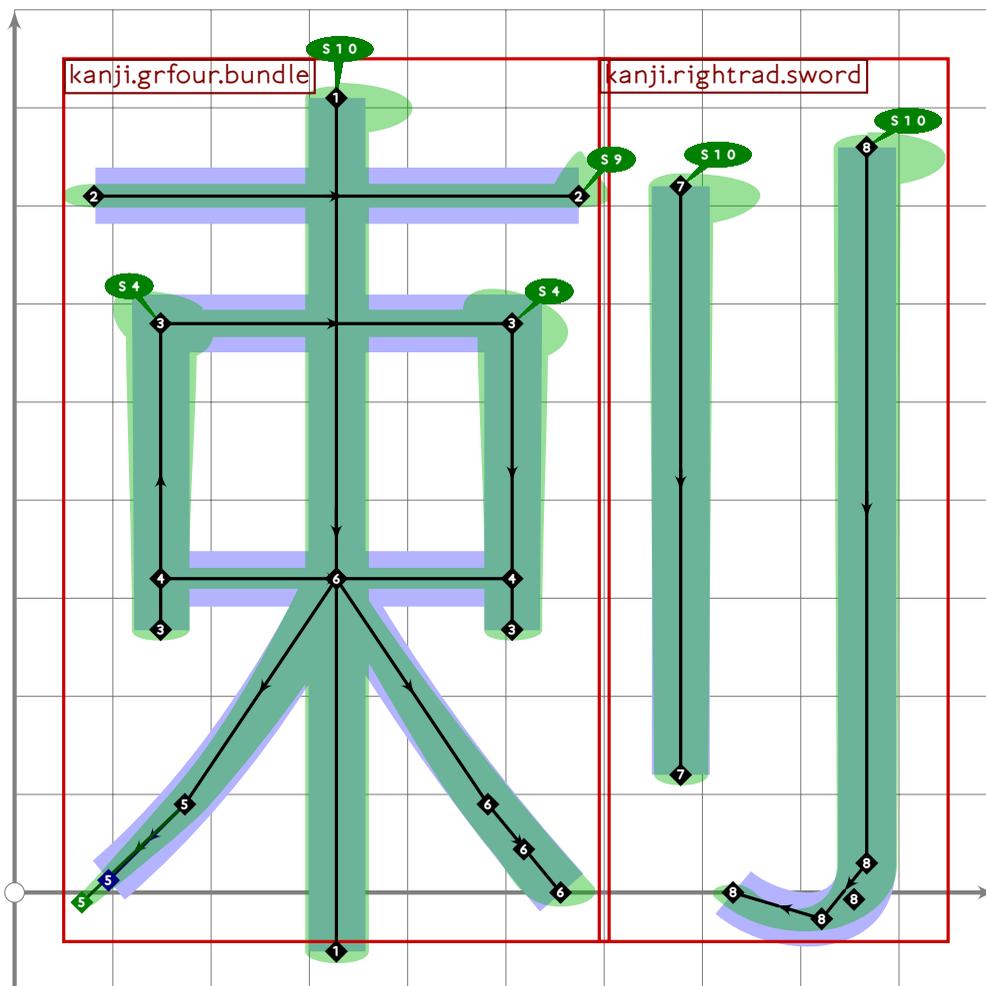
[see page 772]

```

532 kanji.grfive.conform;
533 tsu_render;
534 endtsuglyph;
535
536 % saku/kezu "whittle, sharpen, plane"
537 begintsuglyph("uni524A;74);
538 kanji.greight.whittle;
539 tsu_render;
540 endtsuglyph;
541

```

[see page 2173]



```

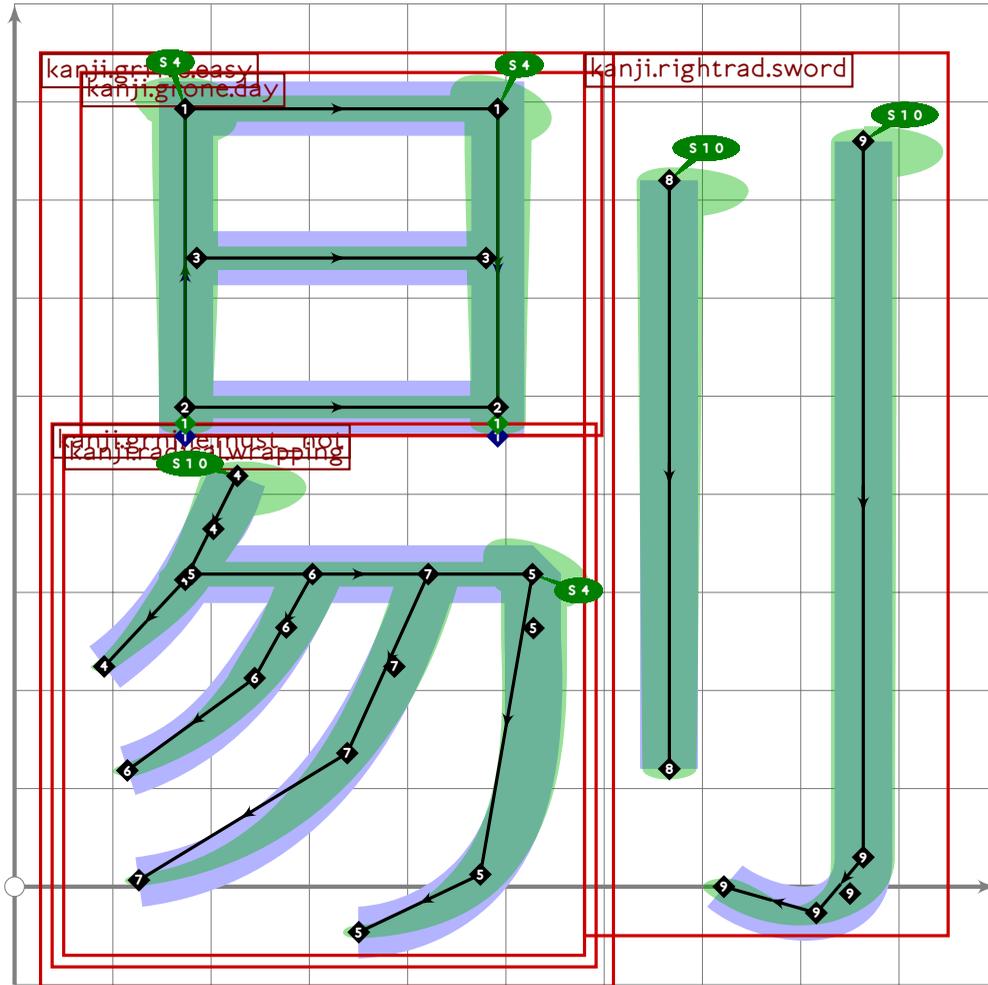
542 % extra: ratsu/moto "impetus"
543 begintsuglyph("uni524C;76);
544 build_kanji.lr(600,10)
545   (kanji.grfour.bundle)
546   (kanji.rightrad.sword);
547 tsu_render;
548 endtsuglyph;
549
550 % zen/mae "before"
551 begintsuglyph("uni524D;77);
552 kanji.grtwo.before;

```

[see page 496]

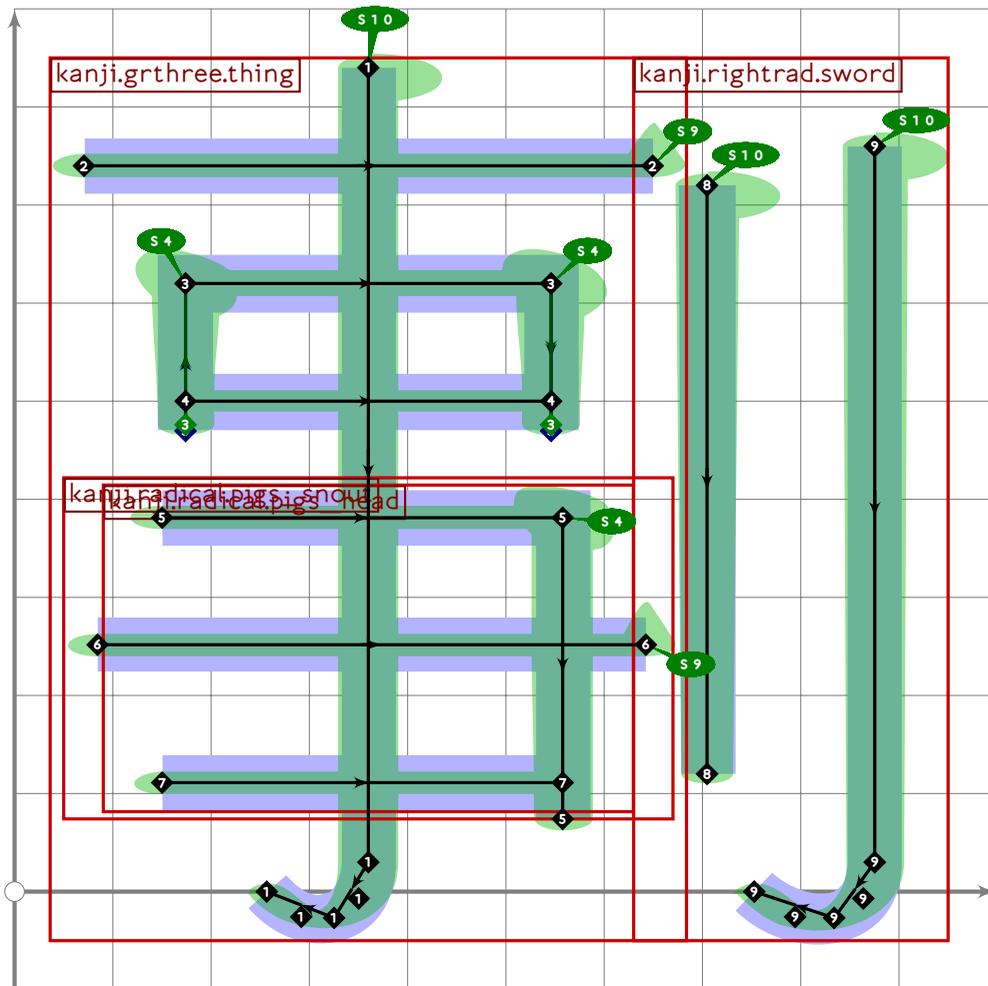
U+5254
tsuku.uni5254

```
553 tsu_render;  
554 endtsuglyph;  
555
```



52

```
556 % extra: teki/eguru "excision"  
557 begintsuglyph("uni5254";84);  
558 build_kanji.lr(580,0)  
559 (build_kanji.sscale(shifted (0,-20))(kanji.grfive.easy))  
560 (kanji.rightrad.sword);  
561 tsu_render;  
562 endtsuglyph;  
563
```

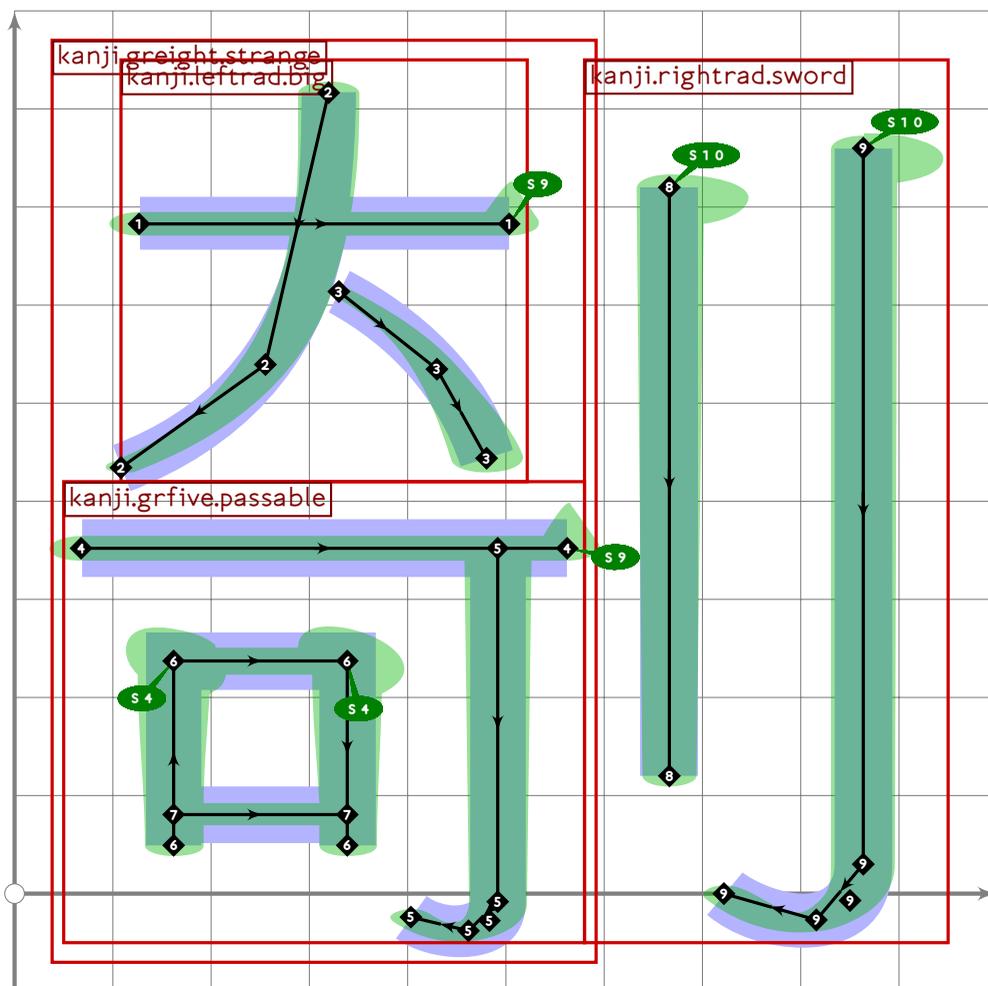


```

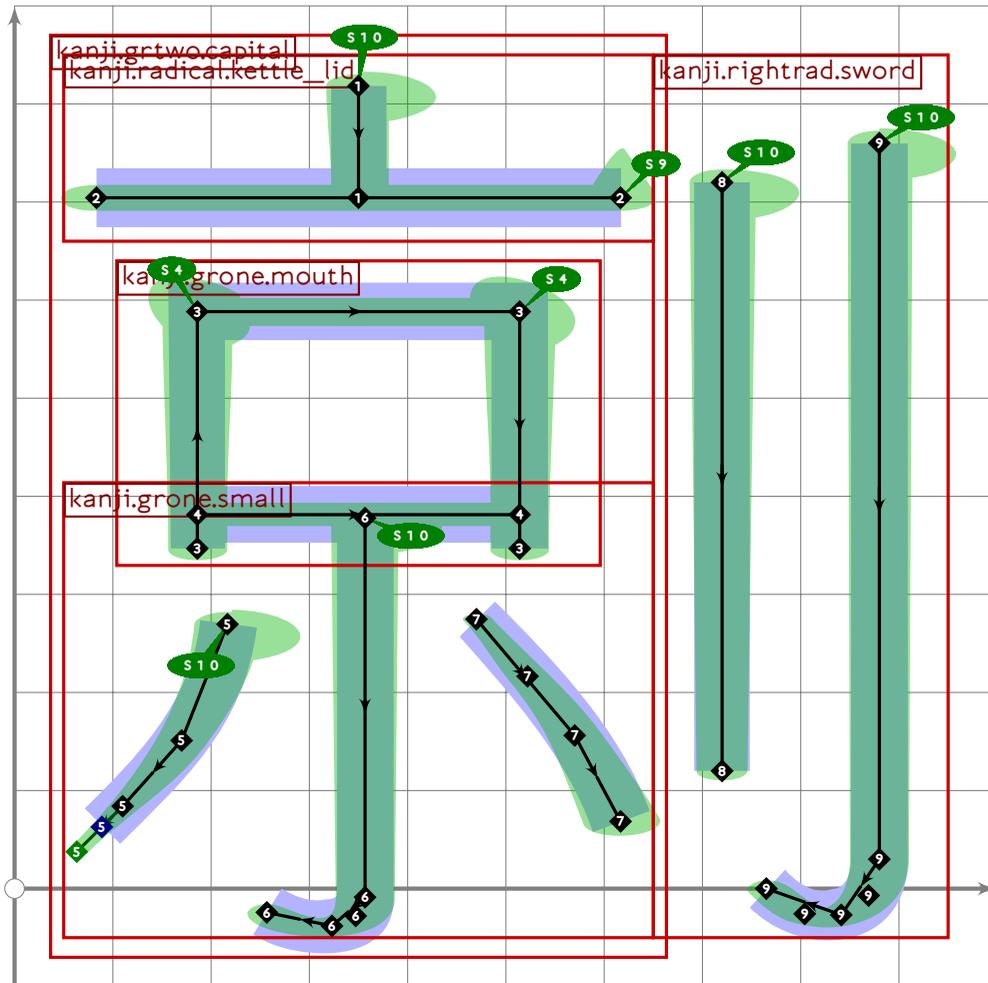
564 % extra: "stab"
565 begintsuglyph("uni525A";90);
566   build_kanji.level(build_kanji.lr(650,40)
567     (kanji.grthree.thing)
568     (kanji.rightrad.sword));
569   tsu_render;
570 endsuglyph;
571
572 % gou "strength"
573 begintsuglyph("uni525B";91);
574   kanji.greight.strength;
575   tsu_render;
576 endsuglyph;
577

```

[see page 2171]



```
578 % extra: ki/kizamu "carve"  
579 begintsuglyph("uni525E";94);  
580 build_kanji.lr(580,0)  
581   (kanji.greight.strange)  
582   (kanji.rightrad.sword);  
583 tsu_render;  
584 endtsuglyph;  
585
```



```

586 % extra: "brand" (probably yet another criminal punishment)
587 begintsuglyph("uni5260",96);
588   build_kanji.level(build_kanji.lr(650,0)
589     (kanji.grtwo.capital)
590     (kanji.rightrad.sword));
591   tsu_render;
592 endtsuglyph;
593
594 % fuku/soi "auxilliary" (also "adverb")
595 begintsuglyph("uni526F",111);
596   kanji.grfour.auxilliary;
597   tsu_render;
598 endtsuglyph;
599
600 % jyou/amasu "residue"
601 begintsuglyph("uni5270",112);
602   kanji.greight.residue;
603   tsu_render;
604 endtsuglyph;
605
606 % katsu/waru "proportion"

```

[see page 2154]

[see page 2170]

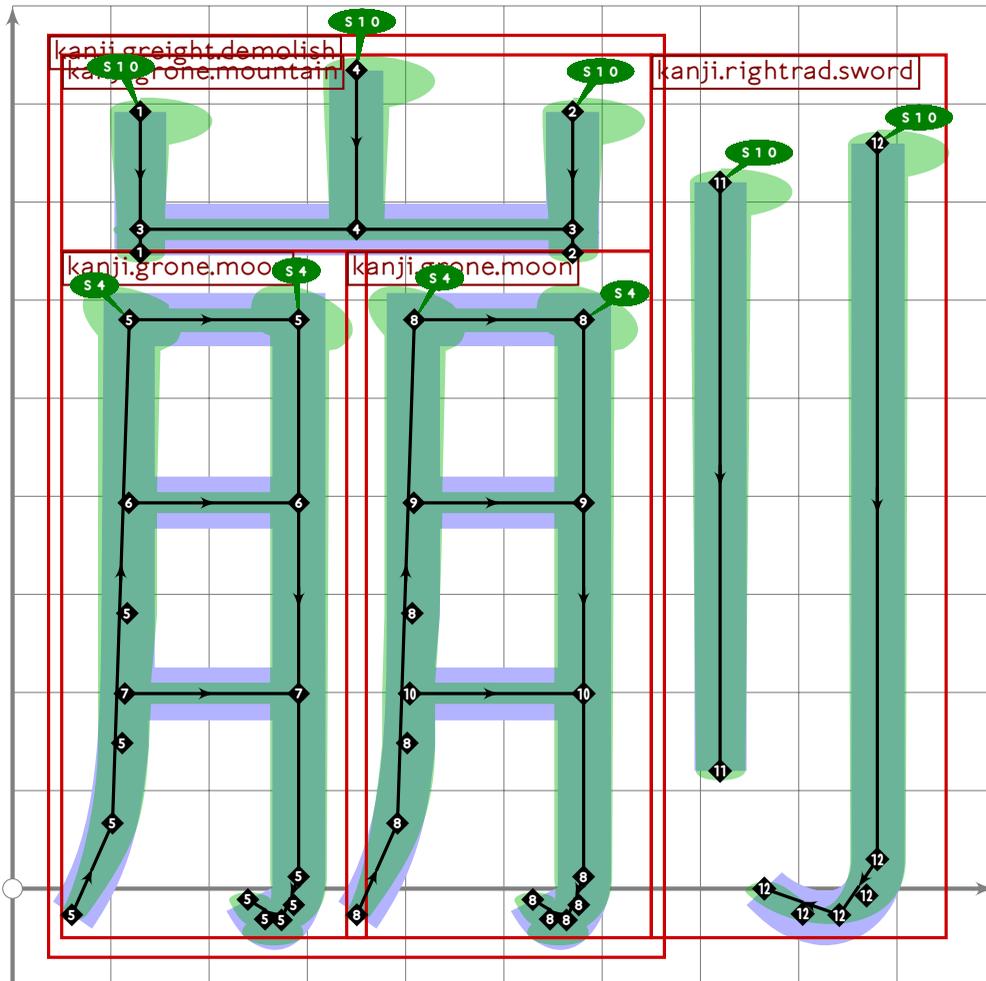
U+527B
tsuku.uni527B

```
607 begintsuglyph("uni5272";114);  
608 kanji.grsix.proportion;  
609 tsu_render;  
610 endtsuglyph;  
611
```

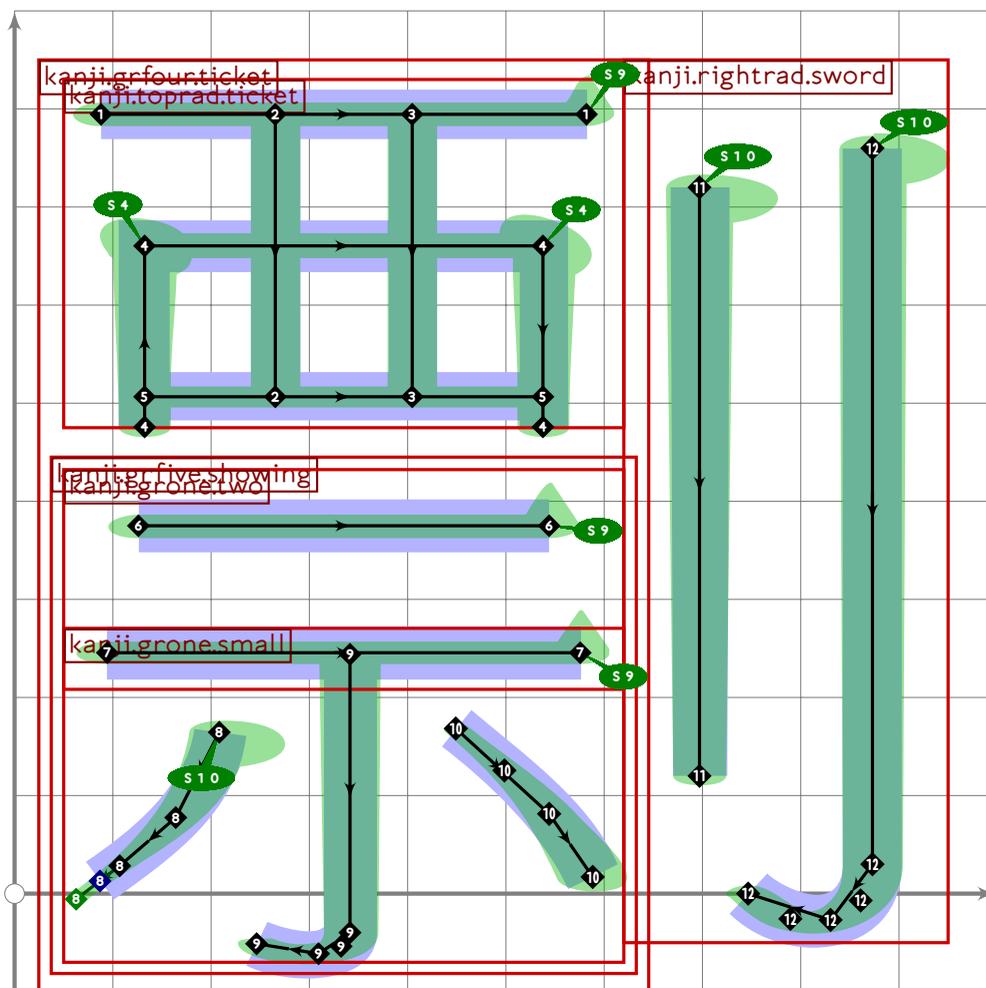
[see page 2167]

```
612 % sou/tsukuru "manufacture"  
613 begintsuglyph("uni5275";117);  
614 kanji.grsix.manufacture;  
615 tsu_render;  
616 endtsuglyph;  
617
```

[see page 2166]



```
618 % extra  
619 begintsuglyph("uni527B";123);  
620 build_kanji.level(build_kanji.lr(650,0)  
621 (kanji.greight.demolish)  
622 (kanji.rightrad.sword));  
623 tsu_render;  
624 endtsuglyph;  
625
```



```

626 % extra: hyou "rogue"
627 begintsuglyph("uni527D";125);
628   build_kanji.lr(620,0)
629     (build_kanji.sscale(shifted (0,-20))(kanji.grfour.ticket))
630     (kanji.rightrad.sword);
631   tsu_render;
632 endtsuglyph;
633
634 % ken/tsurugi "sword", uncommon character used in names
635 begintsuglyph("uni528D";141);
636   kanji.grten.sword;
637   tsu_render;
638 endtsuglyph;
639
640 % ryoku "power", as in Koizumi Itsuki has teh "chounouryoku"
641 begintsuglyph("uni529B";155);
642   kanji.grone.power;
643   tsu_render;
644 endtsuglyph;
645
646 % kou/isao "merit"

```

[see page 2174]

[see page 467]

U+52A6
tsuku.uni52A6

```
647 begintsuglyph("uni529F";159);
```

[see page 2158]

```
648 kanji.grfour.merit;
```

```
649 tsu_render;
```

```
650 endtsuglyph;
```

```
651
```

```
652 % kuwa "addition", also "Canada"
```

```
653 begintsuglyph("uni52A0";160);
```

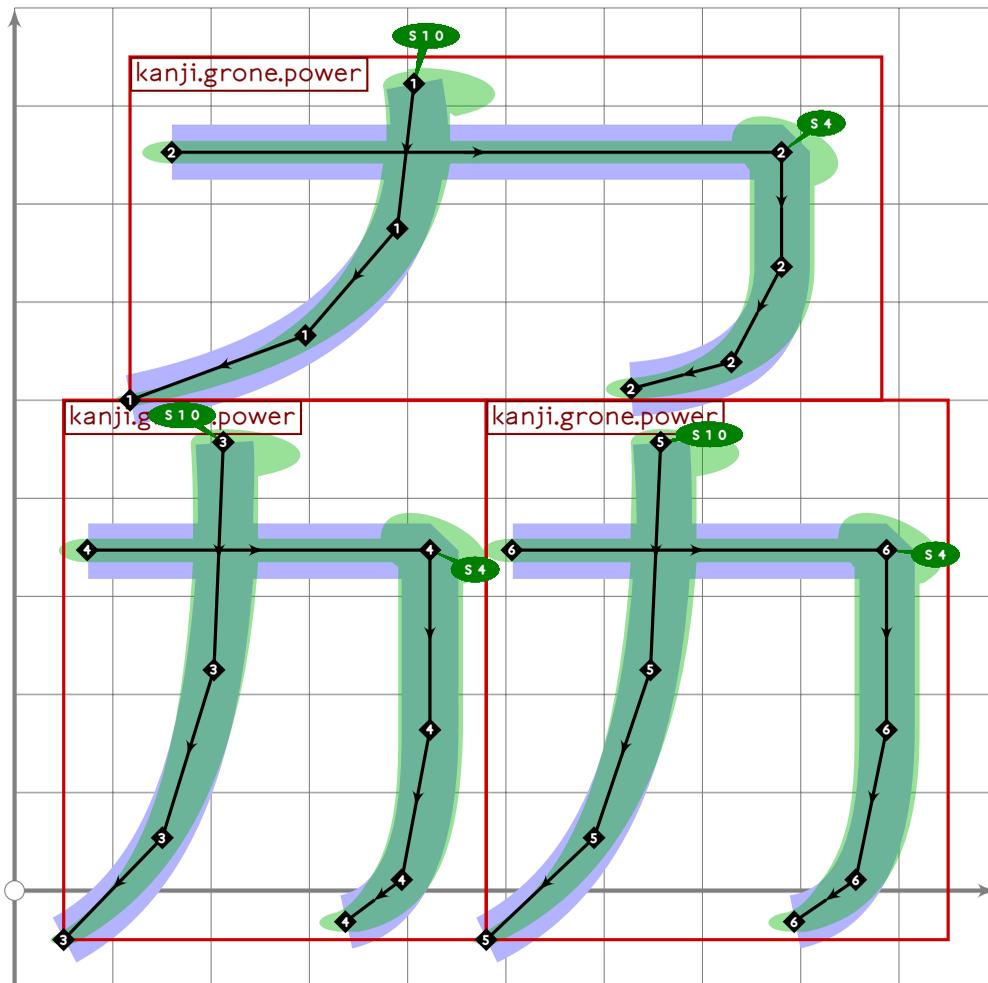
[see page 683]

```
654 kanji.grfour.addition;
```

```
655 tsu_render;
```

```
656 endtsuglyph;
```

```
657
```



52

```
658 % extra
```

```
659 begintsuglyph("uni52A6";166);
```

```
660 build_kanji.level(build_kanji.tricluster(0.85)
```

```
661 (kanji.grone.power)
```

```
662 (kanji.grone.power)
```

```
663 (kanji.grone.power));
```

```
664 tsu_render;
```

```
665 endtsuglyph;
```

```
666
```

```
667 % jo/tasu "help"
```

668 begintsuglyph("uni52A9";169); [see page 2153]
669 kanji.grthree.help;
670 tsu_render;
671 endtsuglyph;
672
673 % do/tsuto "toil"
674 begintsuglyph("uni52AA";170); [see page 2160]
675 kanji.grfour.toil;
676 tsu_render;
677 endtsuglyph;
678
679 % rou/ita "labour"
680 begintsuglyph("uni52B4";180); [see page 2157]
681 kanji.grfour.labour;
682 tsu_render;
683 endtsuglyph;
684
685 % kou/ki "effect" (as in physics)
686 begintsuglyph("uni52B9";185); [see page 2161]
687 kanji.grfive.effect;
688 tsu_render;
689 endtsuglyph;
690
691 % yuu/isa "courage"
692 begintsuglyph("uni52C7";199); [see page 698]
693 kanji.grfour.courage;
694 tsu_render;
695 endtsuglyph;
696
697 % ben/tsuto "exertion"
698 begintsuglyph("uni52C9";201); [see page 2152]
699 kanji.grthree.exertion;
700 tsu_render;
701 endtsuglyph;
702
703 % dou/ugo "motion"
704 begintsuglyph("uni52D5";213); [see page 653]
705 kanji.grthree.motion;
706 tsu_render;
707 endtsuglyph;
708
709 % mu/tsuto "serve"
710 begintsuglyph("uni52D9";217); [see page 2165]
711 kanji.grfive.serve;
712 tsu_render;
713 endtsuglyph;
714
715 % shou/ka "victory"

716 begintsuglyph("uni52DD";221); [see page 679]
 717 kanji.grthree.victory;
 718 tsu_render;
 719 endtsuglyph;
 720
 721 % sei/ikio "energy"
 722 begintsuglyph("uni52E2";226); [see page 2162]
 723 kanji.grfive.energy;
 724 tsu_render;
 725 endtsuglyph;
 726
 727 % hou/tsutsu "wrapping radical"
 728 begintsuglyph("uni52F9";249); [see page 900]
 729 kanji.radical.wrapping;
 730 tsu_render;
 731 endtsuglyph;
 732
 733 % shaku "ladle" (also a unit of measure)
 734 begintsuglyph("uni52FA";250); [see page 1004]
 735 kanji.grnine.ladle;
 736 tsu_render;
 737 endtsuglyph;
 738
 739 % mochi/naka "not"; esp. "must not"
 740 begintsuglyph("uni52FF";255); [see page 1011]
 741 kanji.grnine.must_not;
 742 tsu_render;
 743 endtsuglyph;
 744
 745 _____
 746
 747 endfont;
 748
 749 _____

tsuku-53.mp

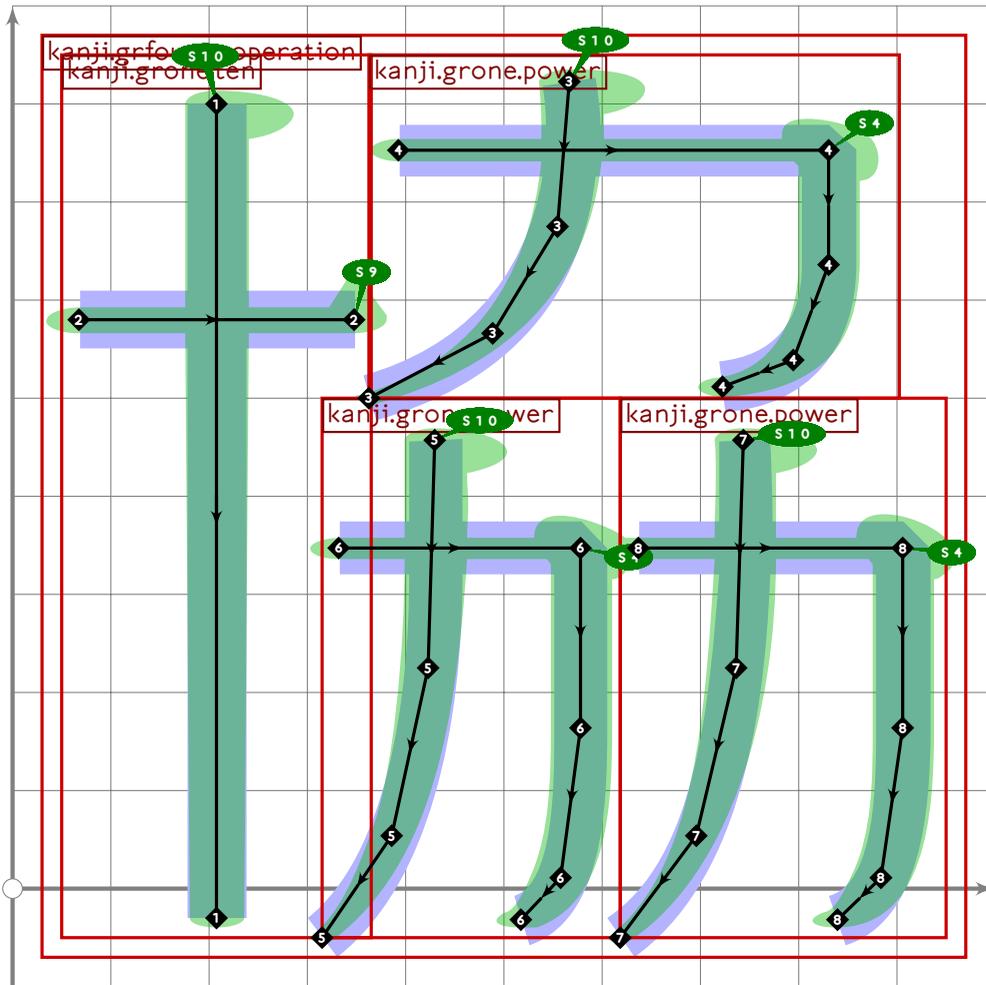
```
1 %
2 % Unicode page 53 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017, 2021 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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 

---

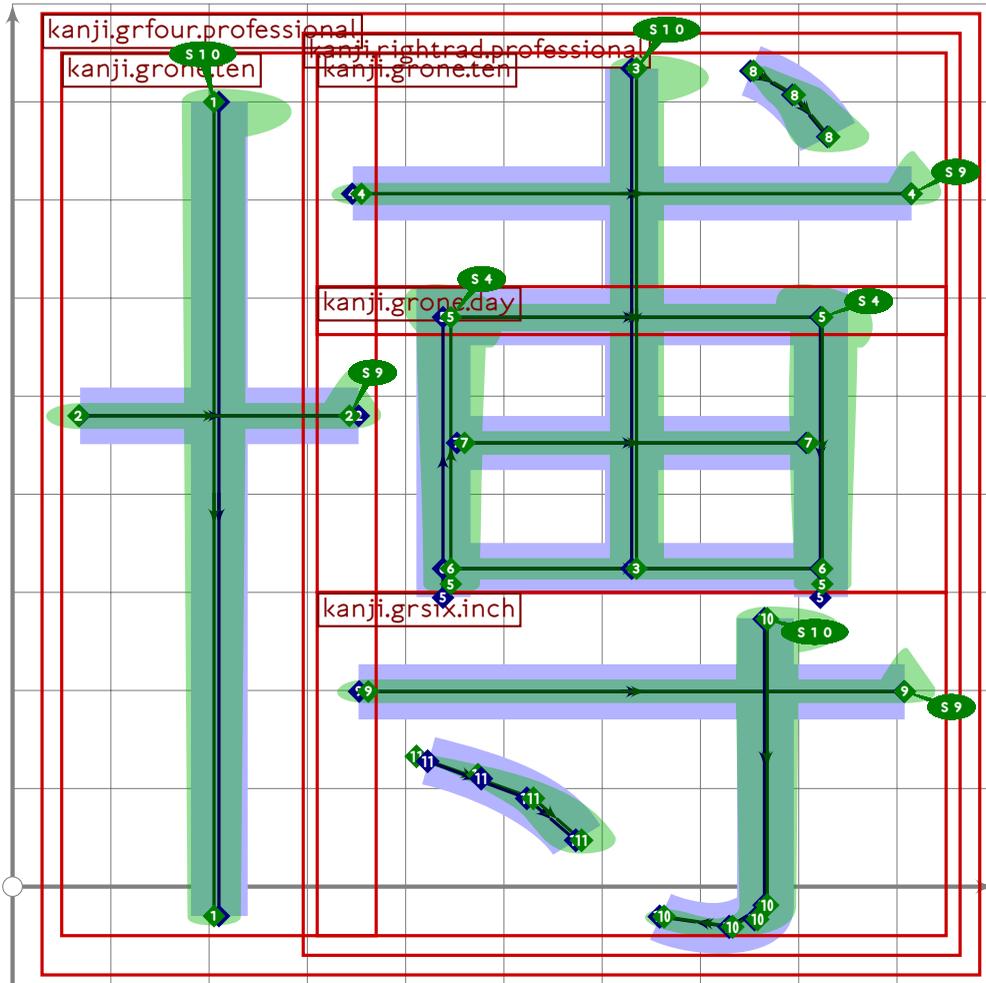

```

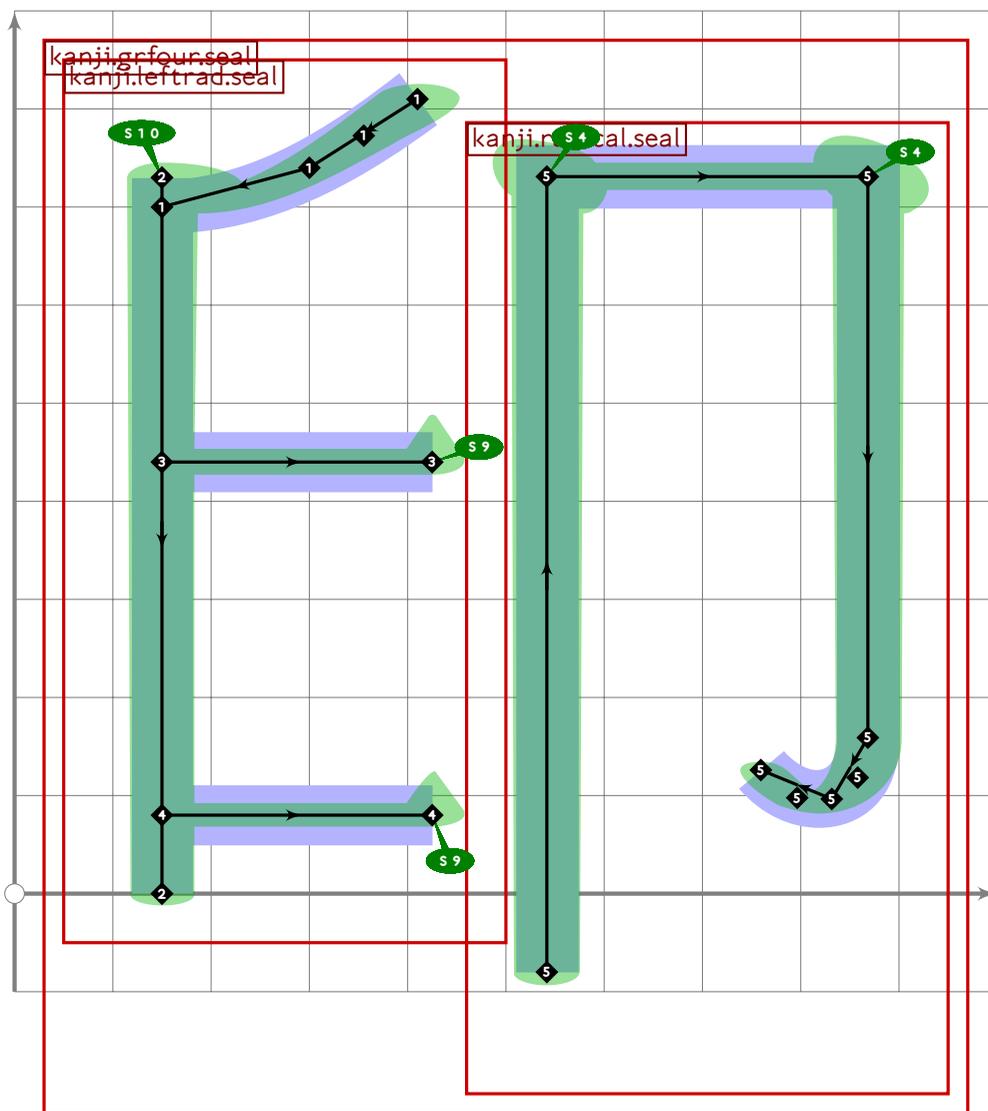
```

64
65 vardef kanji.grfour.cooperation =
66   push_pbox_toexpand("kanji.grfour.cooperation");
67   build_kanji.lr(340,50)
68     (kanji.grone.ten;
69       replace_strokep(0)(oldp shifted (0,180)))
70     (build_kanji.level(build_kanji.triclust(0.85)
71       (kanji.grone.power)
72       (kanji.grone.power)
73       (kanji.grone.power)));
74   expand_pbox;
75 enddef;

```



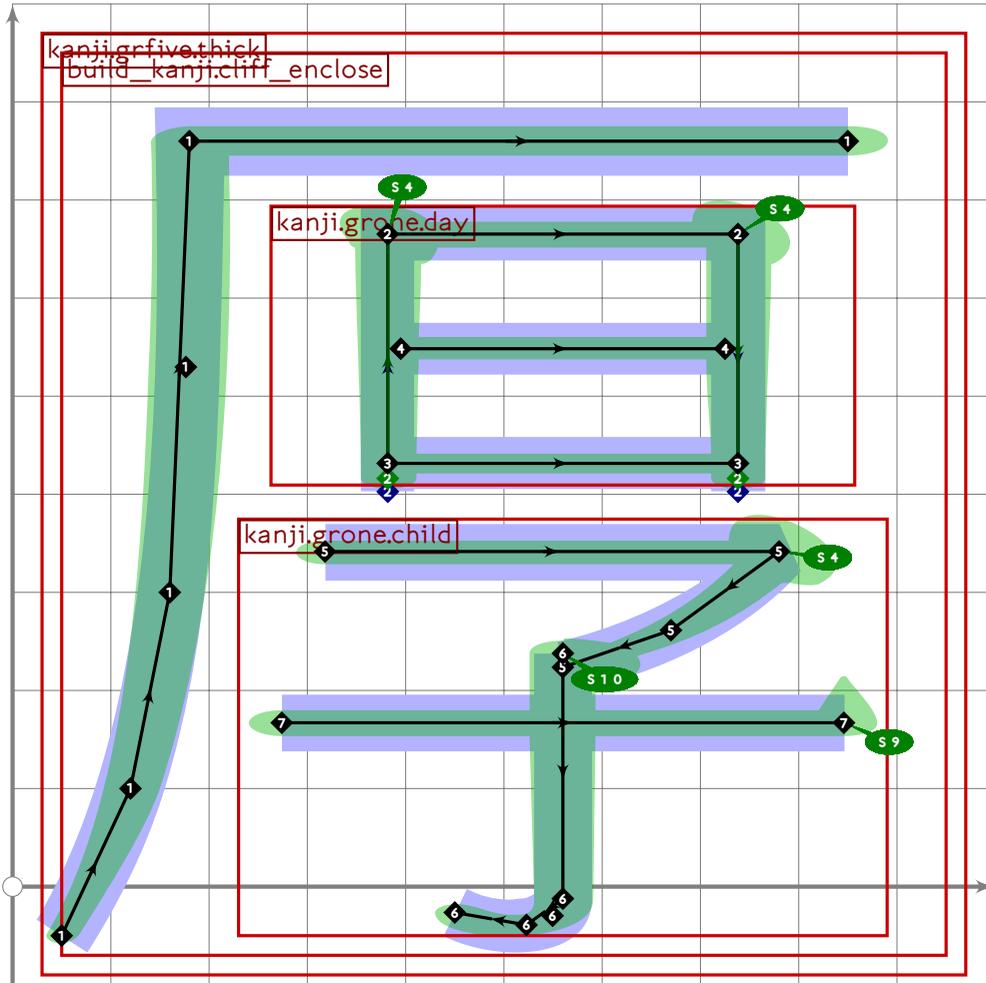
```
76  
77 vardef kanji.grfour.professional =  
78   push_pbox_toexpand("kanji.grfour.professional");  
79   build_kanji.lr(340,60-20*mincho)  
80     (kanji.grone.ten;  
81       replace_strokep(0)(oldp shifted (0,80))  
82       (kanji.rightrad.professional);  
83   expand_pbox;  
84 enddef;
```



```

85
86 vardef kanji.grfour.seal =
87   push_pbox_toexpand("kanji.grfour.seal");
88   build_kanji.lr(480,40)
89     (kanji.leftrad.seal)
90     (build_kanji.sscale(yscaled 1.1 shifted (0,-110))(kanji.radical.seal));
91   replace_strokep(0)(subpath (xpart (oldp intersectiontimes
92     ((0,-80)-(1000,-80)),infinity) of oldp);
93   expand_pbox;
94 enddef;
95
96

```



```

97
98 vardef kanji.grfive.thick =
99   push_pbox_toexpand("kanji.grfive.thick");
100   build_kanji.cliff_enclose(build_kanji.tb(440,0)
101     (build_kanji.sscale(xyscaled (0.9,0.8))(kanji.grone.day))
102     (kanji.grone.child));
103   expand_pbox;
104 enddef;
105
106
107
108 % in/suku "equal"
109 beginsuglyph("uni5300";0);
110 kanji.rare.equal;
111 tsu_render;
112 endsuglyph;
113
114 % hou/tsutsu "wrap"
115 beginsuglyph("uni5305";5);
116 kanji.grfour.wrap;
117 tsu_render;

```

[see page 1059]

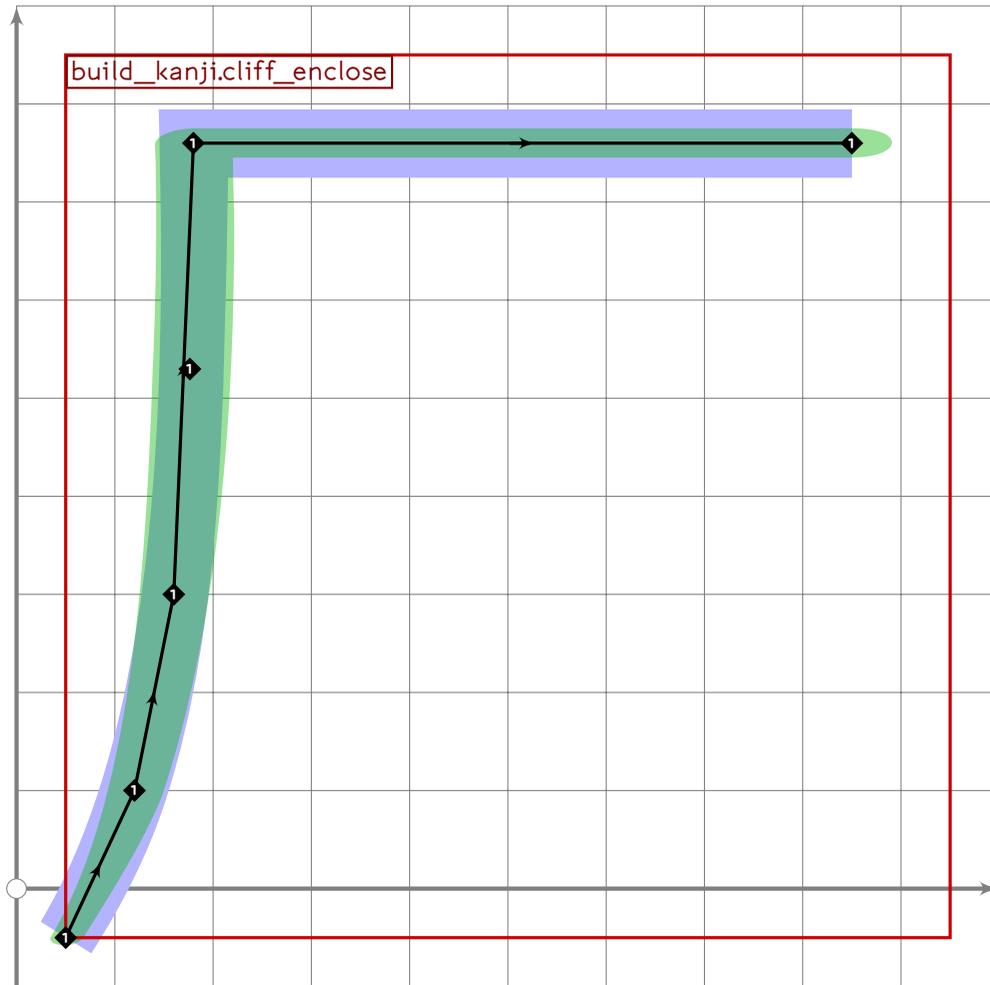
[see page 764]

118 endtsuglyph;
119
120 % by itself means "be flustered"
121 begintsuglyph("uni5306";6); [see page 867]
122 kanji.radical.crossed__must__not;
123 tsu_render;
124 endtsuglyph;
125
126 % kyou "Huns"
127 begintsuglyph("uni5308";8); [see page 1068]
128 kanji.rare.huns;
129 tsu_render;
130 endtsuglyph;
131
132 % hi/saji "spoon"
133 begintsuglyph("uni5315";21); [see page 890]
134 kanji.radical.spoon;
135 tsu_render;
136 endtsuglyph;
137
138 % ka/ba "change"
139 begintsuglyph("uni5316";22); [see page 612]
140 kanji.grthree.change;
141 tsu_render;
142 endtsuglyph;
143
144 % hoku/kita "north"
145 begintsuglyph("uni5317";23); [see page 557]
146 kanji.grtwo.north;
147 tsu_render;
148 endtsuglyph;
149
150 % hou/hakogamae "box on side radical"
151 begintsuglyph("uni531A";26); [see page 863]
152 kanji.radical.box_on_side;
153 tsu_render;
154 endtsuglyph;
155
156 % kyou/suku "deliverance"
157 begintsuglyph("uni5321";33); [see page 996]
158 kanji.grnine.deliverance;
159 tsu_render;
160 endtsuglyph;
161
162 % ku "ward" (as in postal addresses)
163 begintsuglyph("uni533A";58); [see page 680]
164 kanji.grthree.ward;
165 tsu_render;

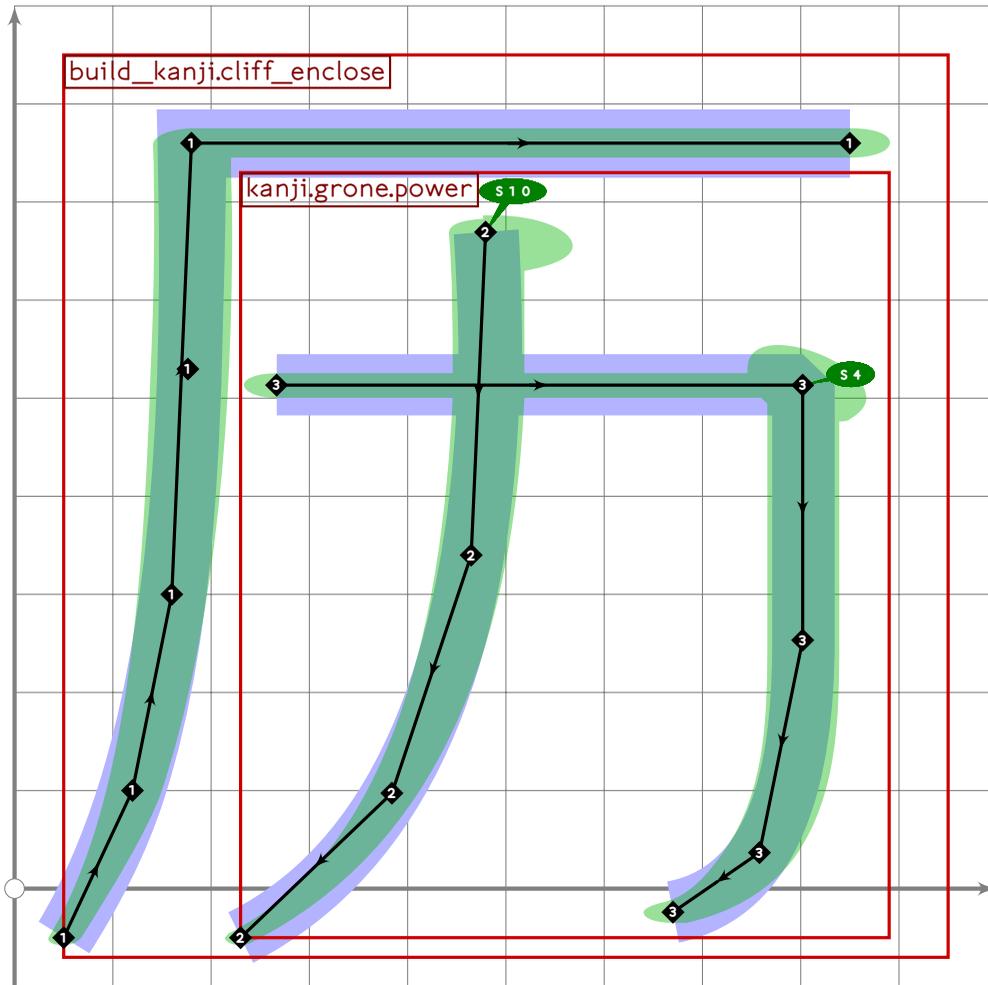
166 endtsuglyph;
 167
 168 % i "doctor"
 169 begintsuglyph("uni533B";59); [see page 2198]
 170 kanji.grthree.doctor;
 171 tsu_render;
 172 endtsuglyph;
 173
 174 % juu/too "ten"
 175 begintsuglyph("uni5341";65); [see page 482]
 176 kanji.grone.ten;
 177 tsu_render;
 178 endtsuglyph;
 179
 180 % sen "one thousand"
 181 begintsuglyph("uni5343";67); [see page 464]
 182 kanji.grone.one_thousand;
 183 tsu_render;
 184 endtsuglyph;
 185
 186 % han/naka "half"
 187 begintsuglyph("uni534A";74); [see page 521]
 188 kanji.grtwo.half;
 189 tsu_render;
 190 endtsuglyph;
 191
 192 % go/uma "noon"
 193 begintsuglyph("uni5348";72); [see page 556]
 194 kanji.grtwo.noon;
 195 tsu_render;
 196 endtsuglyph;
 197
 198 % sotsu/so- "graduate"
 199 begintsuglyph("uni5352";82); [see page 718]
 200 kanji.grfour.graduate;
 201 tsu_render;
 202 endtsuglyph;
 203
 204 % kyou "cooperation"
 205 begintsuglyph("uni5354";84); [see page 2199]
 206 kanji.grfour.cooperation;
 207 tsu_render;
 208 endtsuglyph;
 209
 210 % nan/minami "south"
 211 begintsuglyph("uni5357";87); [see page 575]
 212 kanji.grtwo.south;
 213 tsu_render;

214 endtsuglyph;
 215
 216 % tan/hitoe "single"
 217 begintsuglyph("uni5358";88); [see page 752]
 218 kanji.grfour.single;
 219 tsu_render;
 220 endtsuglyph;
 221
 222 % haku "professional"
 223 begintsuglyph("uni535A";90); [see page 2200]
 224 kanji.grfour.professional;
 225 tsu_render;
 226 endtsuglyph;
 227
 228 % boku/urana "divination"
 229 begintsuglyph("uni535C";92); [see page 997]
 230 kanji.grnine.divination;
 231 tsu_render;
 232 endtsuglyph;
 233
 234 % sen/urana "divination"
 235 begintsuglyph("uni5360";96); [see page 936]
 236 kanji.greight.divination;
 237 tsu_render;
 238 endtsuglyph;
 239
 240 % setsu/warifu "seal radical"
 241 begintsuglyph("uni5369";105); [see page 888]
 242 kanji.radical.seal;
 243 tsu_render;
 244 endtsuglyph;
 245
 246 % in/shiroshi "seal"
 247 begintsuglyph("uni5370";112); [see page 2201]
 248 kanji.grfour.seal;
 249 tsu_render;
 250 endtsuglyph;
 251
 252 % soku/tsu "instant"
 253 begintsuglyph("uni5373";115); [see page 951]
 254 kanji.greight.instant;
 255 tsu_render;
 256 endtsuglyph;
 257

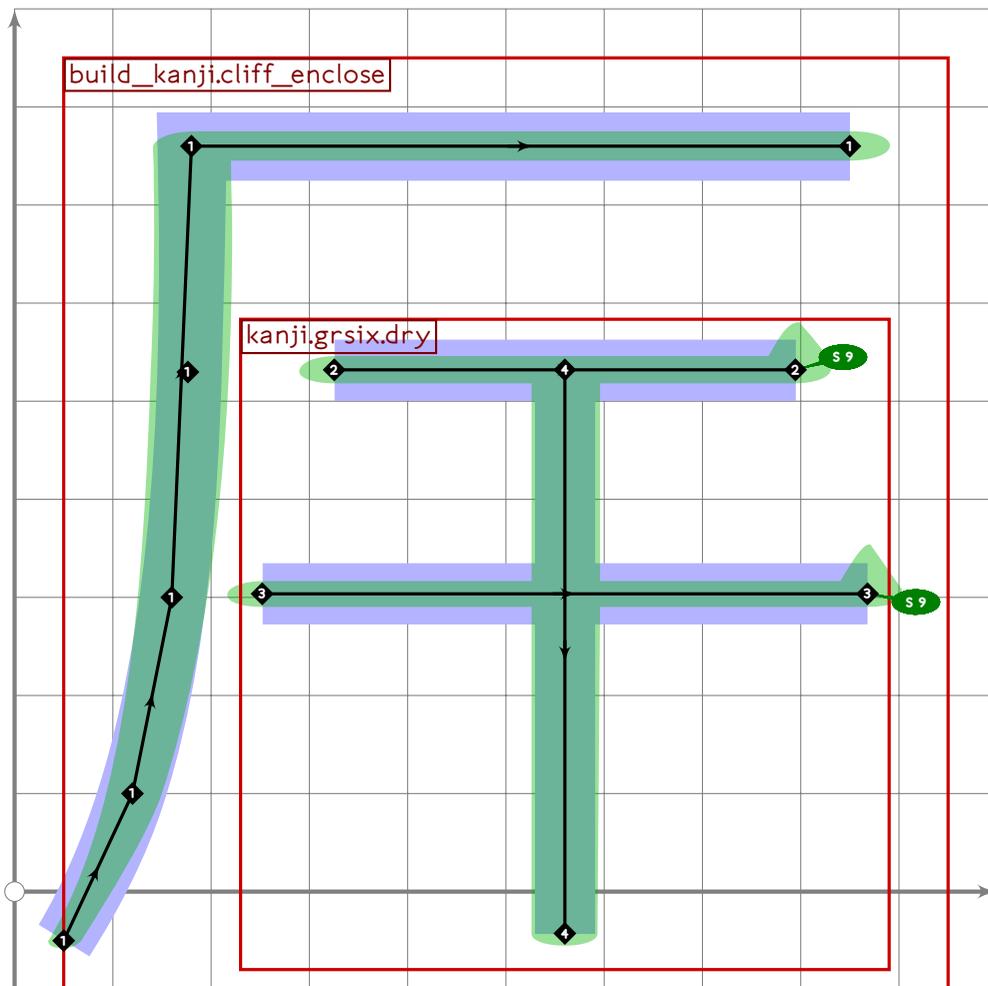
U+5382
tsuku.uni5382



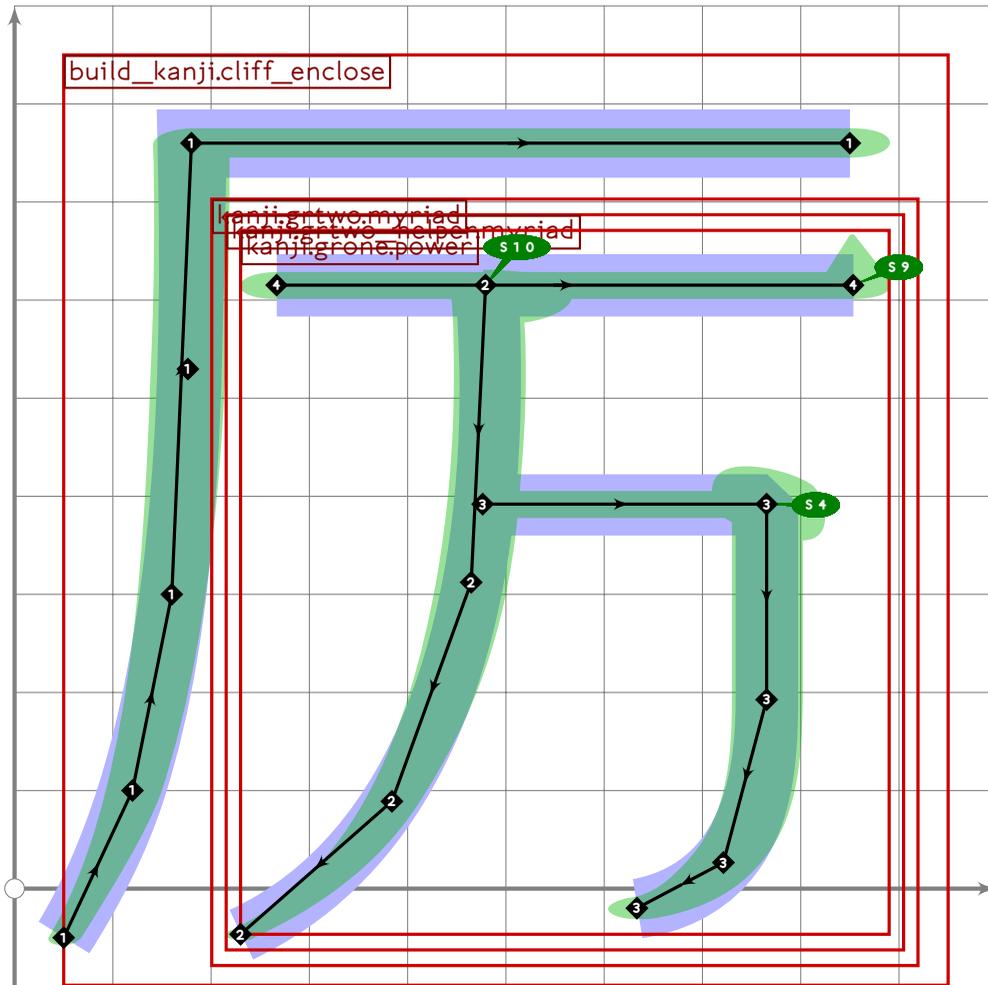
```
258 % karigane "cliff radical"  
259 begintsuglyph("uni5382",130);  
260 build_kanji.cliff_enclose();  
261 tsu_render;  
262 endtsuglyph;  
263
```



```
264 % extra
265 begintsuglyph("uni5386",134);
266 build_kanji.cliff_enclose(kanji.grone.power);
267 tsu_render;
268 endtsuglyph;
269
```

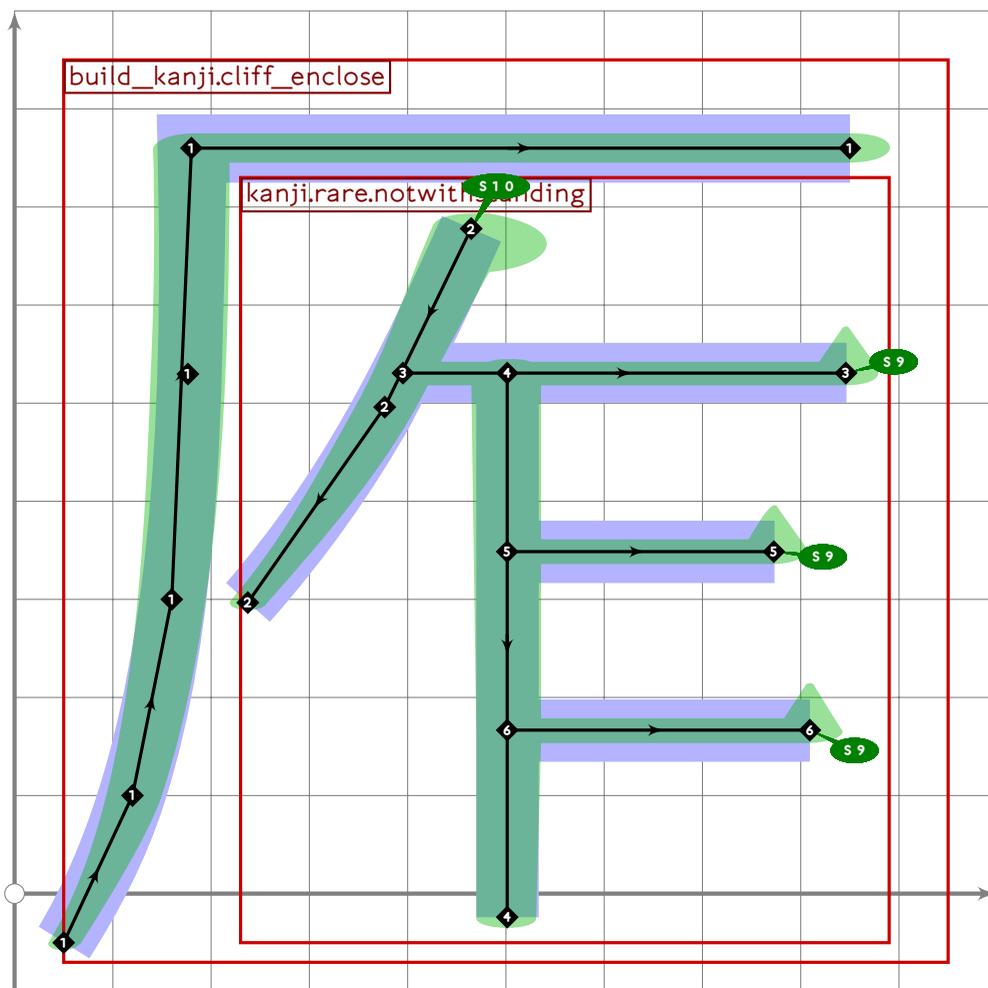


```
270 % extra
271 begintsuglyph("uni5388",136);
272 build_kanji.cliff_enclose(build_kanji.scale(yscaled 0.85 shifted (0,100))
273 (kanji.grsix.dry));
274 tsu_render;
275 endtsuglyph;
276
```

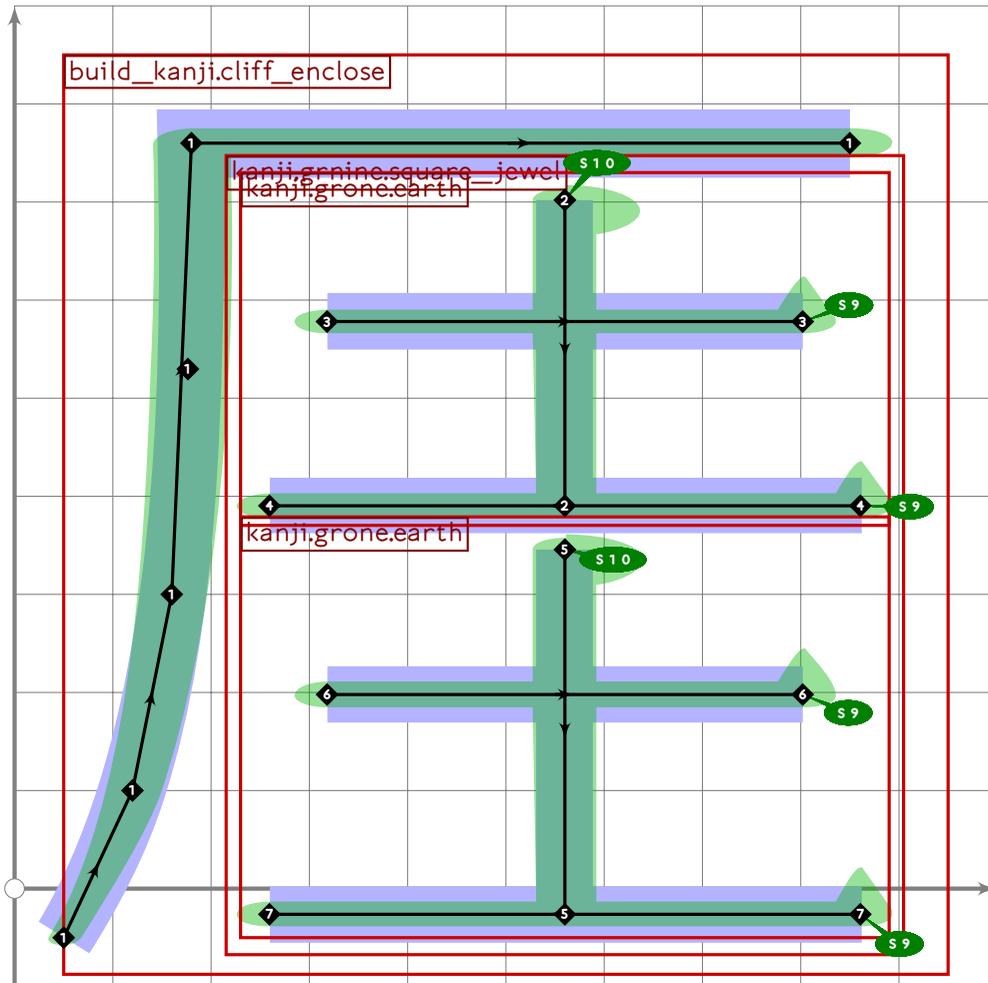


```
277 % extra
278 begintsuglyph("uni5389",137);
279   build_kanji.cliff_enclose(tsu_xform(identity yscaled 0.92)
280     (kanji.grtwo.myriad));
281   tsu_render;
282 endtsuglyph;
283
```

U+538F
tsuku.uni538F



```
284 % extra
285 beginsuglyph("uni538F",143);
286 build_kanji.cliff_enclose(kanji.rare.notwithstanding);
287 tsu_render;
288 endsuglyph;
289
```



```

290 % extra
291 begintsuglyph("uni5393";147);
292   build_kanji.cliff_enclose(kanji.grnine.square_jewel);
293   tsu_render;
294 endtsuglyph;
295
296 % kou/atsu "thick"
297 begintsuglyph("uni539A";154);
298   kanji.grfive.thick;
299   tsu_render;
300 endtsuglyph;
301
302 % gen/hara "field"
303 begintsuglyph("uni539F";159);
304   kanji.grtwo.field;
305   tsu_render;
306 endtsuglyph;
307
308 % "mu radical"
309 begintsuglyph("uni53B6";182);
310   kanji.radical.mu;

```

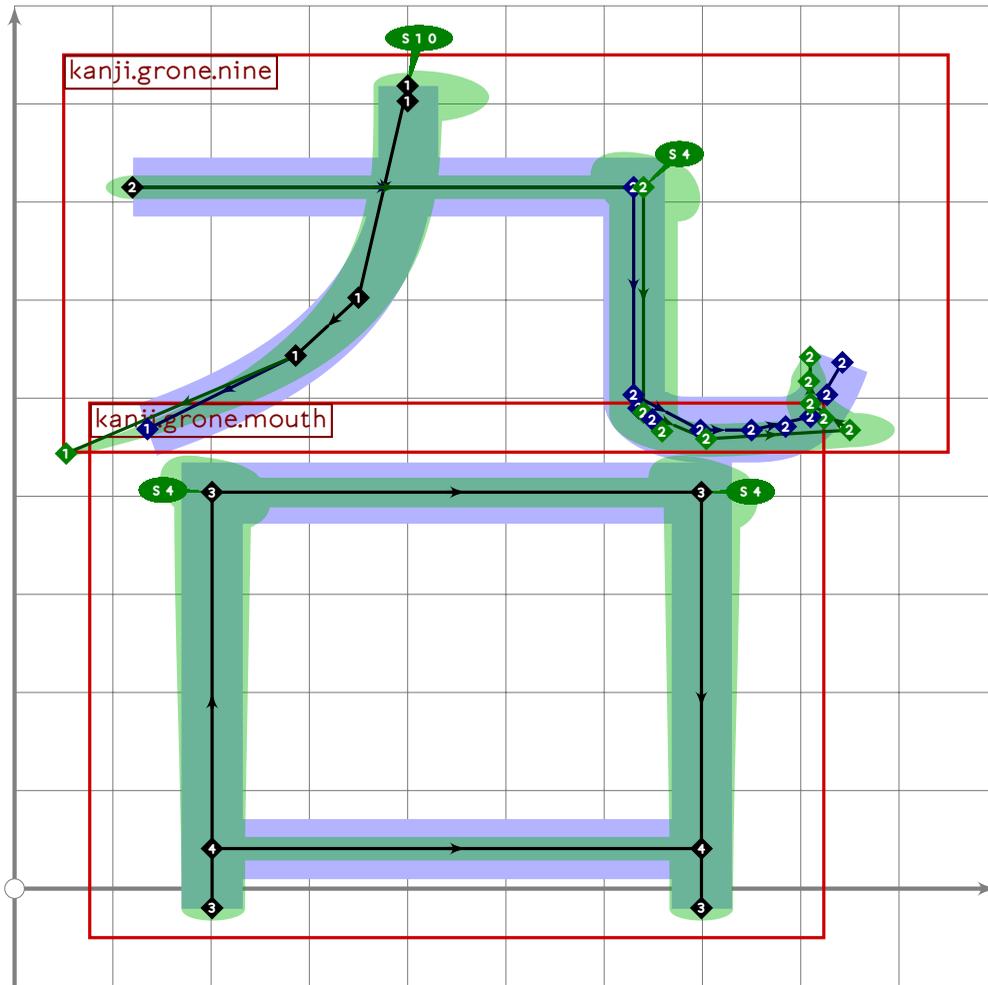
[see page 2202]

[see page 522]

[see page 879]

311 tsu_render;
 312 endtsuglyph;
 313
 314 % kyo/sa "go away"
 315 begintsuglyph("uni53BB";187); [see page 635]
 316 kanji.grthree.go_away;
 317 tsu_render;
 318 endtsuglyph;
 319
 320 % san/mai multiple meanings including "participate"
 321 begintsuglyph("uni53C2";194); [see page 737]
 322 kanji.grfour.participate;
 323 tsu_render;
 324 endtsuglyph;
 325
 326 % yuu/mata "on the other hand"
 327 begintsuglyph("uni53C8";200); [see page 962]
 328 kanji.greight.otoh;
 329 tsu_render;
 330 endtsuglyph;
 331
 332 % kyuu/oyo "reach"
 333 begintsuglyph("uni53CA";202); [see page 967]
 334 kanji.greight.reach;
 335 tsu_render;
 336 endtsuglyph;
 337
 338 % yuu/tomo "friend"
 339 begintsuglyph("uni53CB";203); [see page 524]
 340 kanji.grtwo.friend;
 341 tsu_render;
 342 endtsuglyph;
 343
 344 % han/so "anti"
 345 begintsuglyph("uni53CD";205); [see page 601]
 346 kanji.grthree.anti;
 347 tsu_render;
 348 endtsuglyph;
 349
 350 % shu/tori "take"
 351 begintsuglyph("uni53D6";214); [see page 674]
 352 kanji.grthree.take;
 353 tsu_render;
 354 endtsuglyph;
 355
 356 % shu/u "accept"
 357 begintsuglyph("uni53D7";215); [see page 600]
 358 kanji.grthree.accept;

359 tsu_render;
 360 endtsuglyph;
 361
 362 % kou/kuchi "mouth"
 363 begintsuglyph("uni53E3";227); [see page 459]
 364 kanji.grone.mouth;
 365 tsu_render;
 366 endtsuglyph;
 367
 368 % ko/furo "old"
 369 begintsuglyph("uni53E4";228); [see page 560]
 370 kanji.grtwo.old;
 371 tsu_render;
 372 endtsuglyph;
 373
 374 % ku "phrase"
 375 begintsuglyph("uni53E5";229); [see page 796]
 376 kanji.grfive.phrase;
 377 tsu_render;
 378 endtsuglyph;
 379
 380 % kou/tata "smash"
 381 begintsuglyph("uni53E9";233); [see page 1092]
 382 kanji.rare.smash;
 383 tsu_render;
 384 endtsuglyph;
 385
 386 % tada "only"
 387 begintsuglyph("uni53EA";234); [see page 1014]
 388 kanji.grnine.only;
 389 tsu_render;
 390 endtsuglyph;
 391
 392 % shou/me "call"
 393 begintsuglyph("uni53EC";236); [see page 925]
 394 kanji.greight.call;
 395 tsu_render;
 396 endtsuglyph;
 397
 398 % ka/be "passable"
 399 begintsuglyph("uni53EF";239); [see page 795]
 400 kanji.grfive.passable;
 401 tsu_render;
 402 endtsuglyph;
 403
 404 % tai/utana "pedestal"
 405 begintsuglyph("uni53F0";240); [see page 564]
 406 kanji.grtwo.pedestal;



```

422 % extra
423 begintsuglyph("uni53F4";244);
424   build_kanji.tb(470,50)
425     (kanji.grone.nine)
426     (build_kanji.sscale(xscaled 0.83 shifted (-50,0))
427       (kanji.grone.mouth));
428   tsu_render;
429 endtsuglyph;
430
431 % gou/sake "number"
432 begintsuglyph("uni53F7";247);
433   kanji.grthree.number;
434   tsu_render;
435 endtsuglyph;
436
437 % shi/tsukasado "director" or "official (person)"
438 begintsuglyph("uni53F8";248);
439   kanji.grfour.director;
440   tsu_render;
441 endtsuglyph;
442

```

[see page 656]

[see page 700]

443

444

445 `endfont;`

446

447

tsuku-54.mp

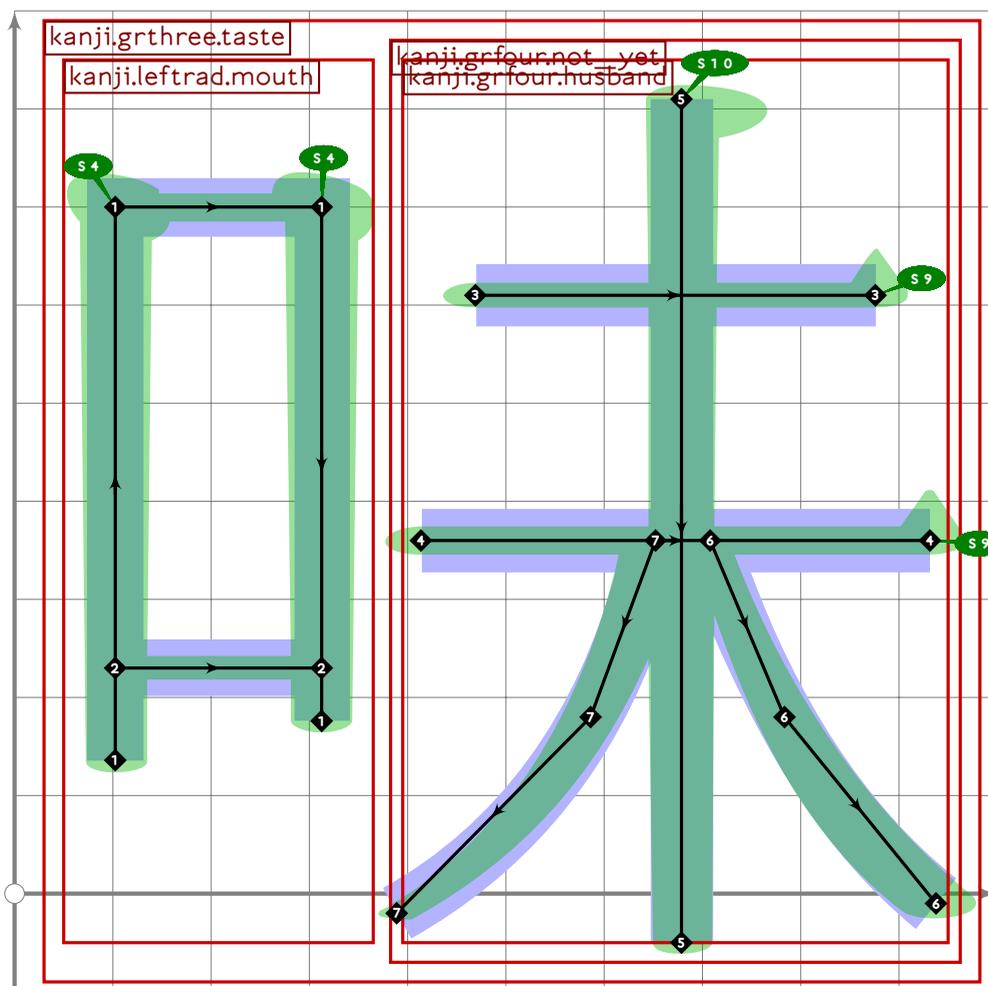
```
1 %
2 % Unicode page 54 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2019 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---

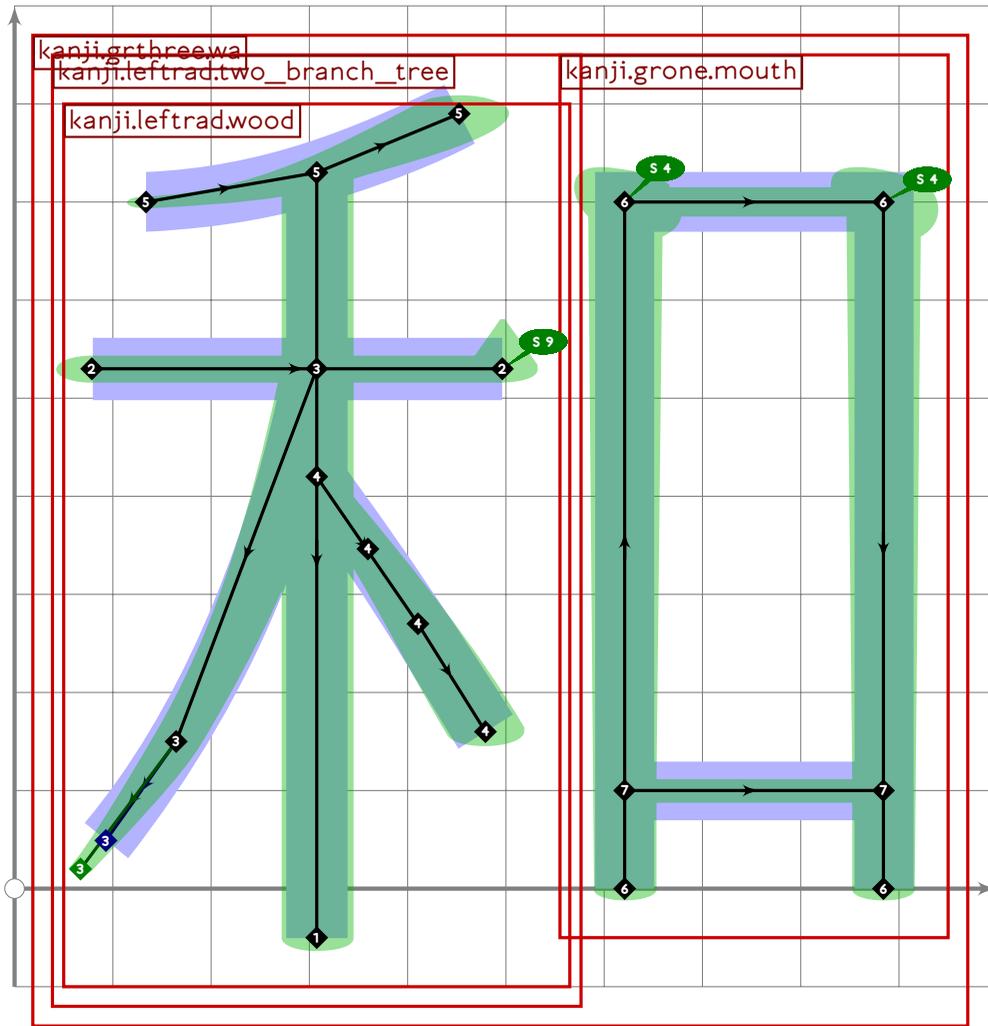

32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradenine.mp;
41 input gradeone.mp;
42 input gradesix.mp;
43 input gradethree.mp;
44 input gradetwo.mp;
45 input leftrad.mp;
46 input radical.mp;
47 input rare.mp;
48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

---

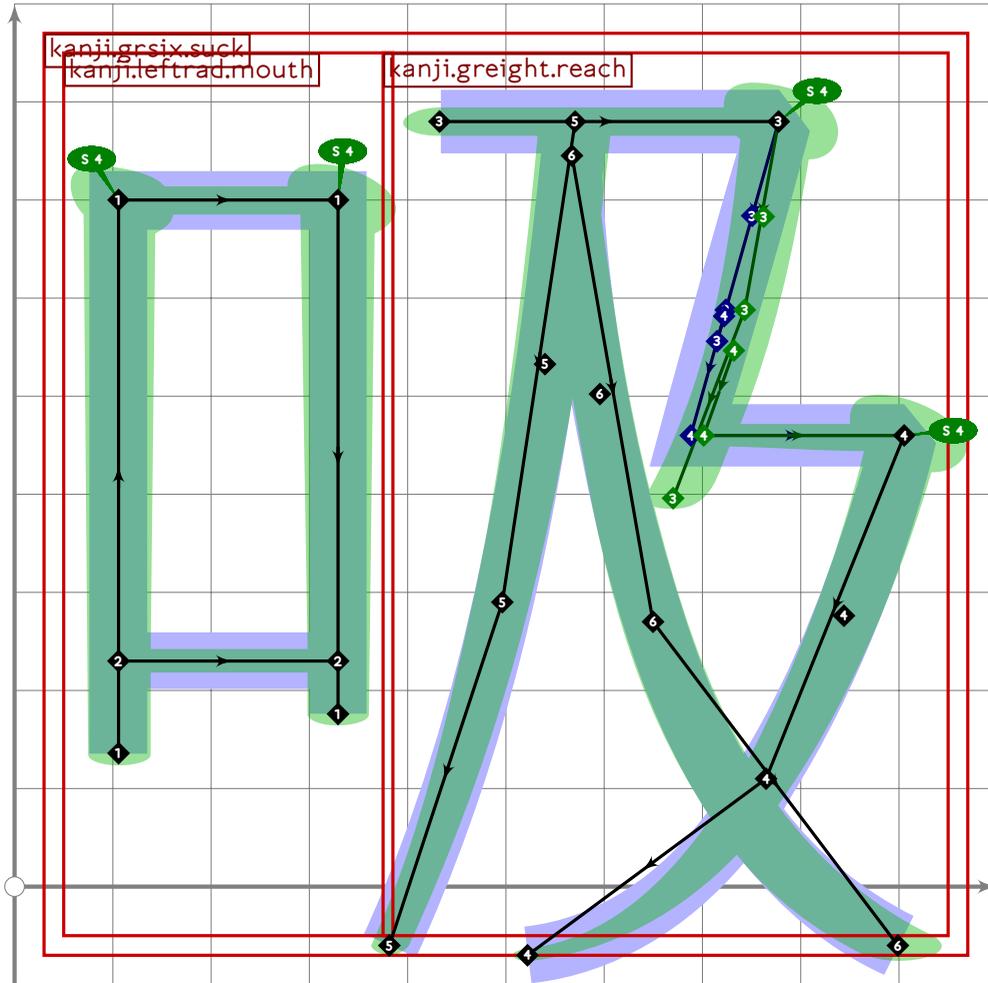

```



```
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.grthreewa =
63   push_pbox_toexpand("kanji.grthreewa");
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 vardef kanji.grsix.suck =
73   push_pbox_toexpand("kanji.grsix.suck");
74   build_kanji.lr(380,10)
75     (kanji.leftrad.mouth)
76     (kanji.greight.reach);
77   expand_pbox;
78 enddef;
79
80
81
82 % kaku/onoono "every"
83 begintsuglyph("uni5404"4);
84 kanji.grfour.every;
85 tsu_render;
86 endtsuglyph;
87
88 % gou/a "meet"
89 begintsuglyph("uni5408"8);
90 kanji.grtwo.join;
91 tsu_render;

```

[see page 706]

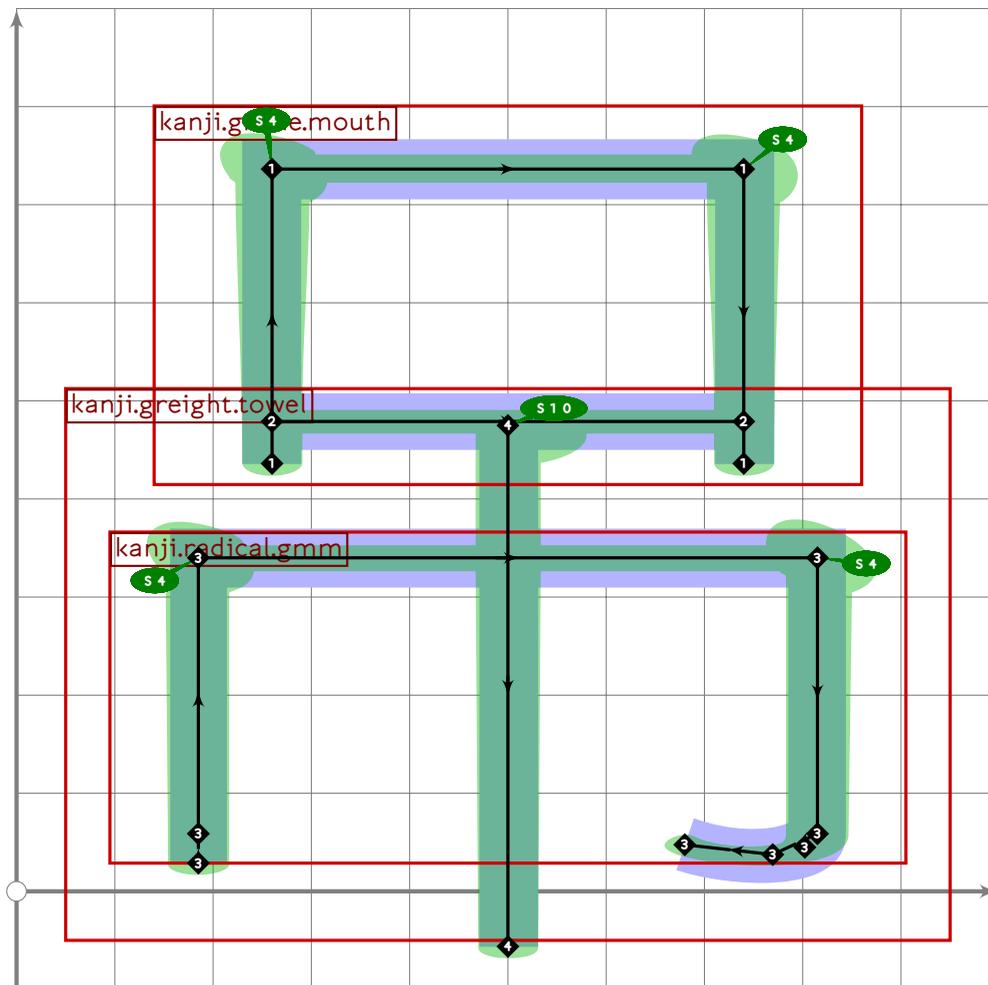
[see page 538]

```

92 endsuglyph;
93
94 % kichi/yoshi "good luck"
95 begintsuglyph("uni5409";9);
96   kanji.greight.good_luck;
97   tsu_render;
98 endsuglyph;
99

```

[see page 944]



```

100 % extra chou/tsu "hanging"
101 begintsuglyph("uni540A";10);
102   build_kanji.level(build_kanji.tb(440,145)
103     (build_kanji.sscale(scaled 0.8)(kanji.grone.mouth))
104     (kanji.greight.towel));
105   tsu_render;
106 endsuglyph;
107
108 % dou/onaji "the same"
109 begintsuglyph("uni540C";12);
110   kanji.grtwo.same;
111   tsu_render;
112 endsuglyph;

```

[see page 569]

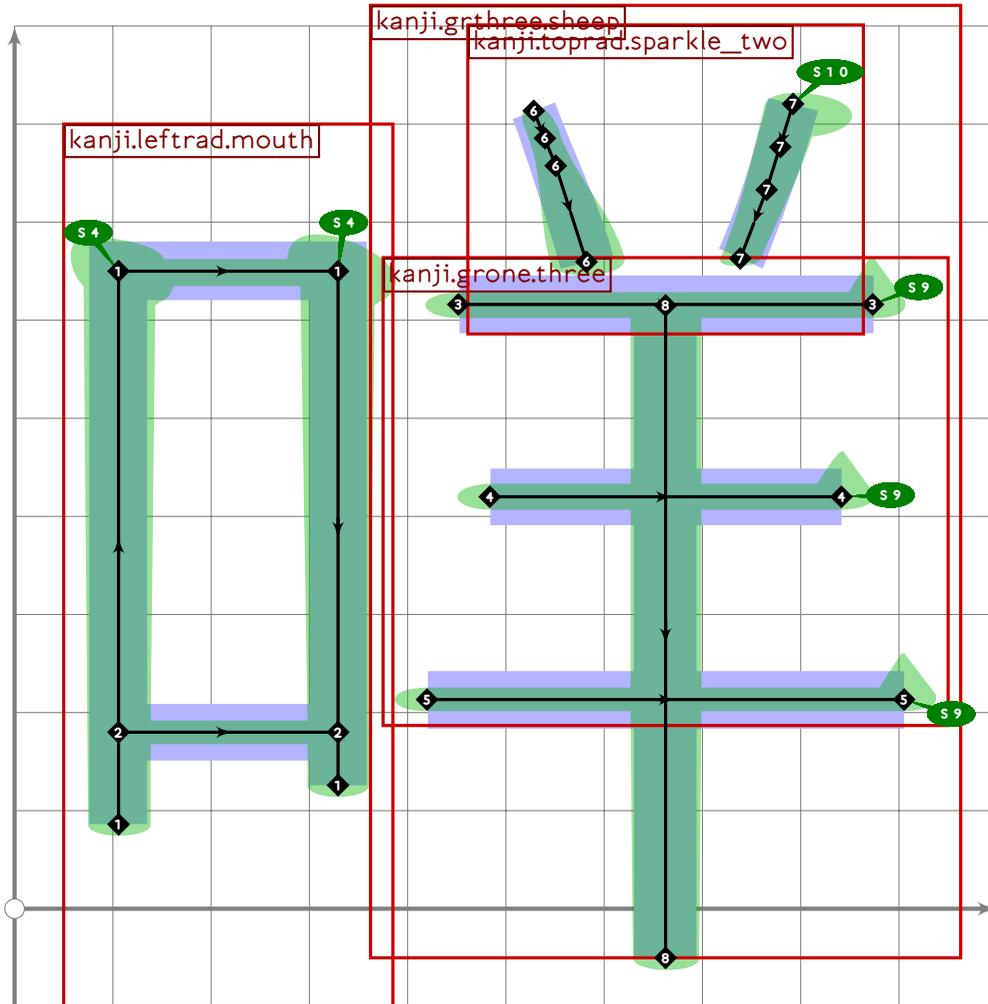
113
114 % na "name"
115 begintsuglyph("uni540D";13); [see page 460]
116 kanji.grone.name;
117 tsu_render;
118 endtsuglyph;
119
120 % ri "officer"
121 begintsuglyph("uni540F";15); [see page 961]
122 kanji.greight.officer;
123 tsu_render;
124 endtsuglyph;
125
126 % kou/mu "facing"
127 begintsuglyph("uni5411";17); [see page 630]
128 kanji.grthree.facing;
129 tsu_render;
130 endtsuglyph;
131
132 % kun/kimi "pronoun or honorific for a subordinate"
133 begintsuglyph("uni541B";27); [see page 647]
134 kanji.grthree.junior;
135 tsu_render;
136 endtsuglyph;
137
138 % hi/ina "negation" or "the noes"
139 begintsuglyph("uni5426";38); [see page 830]
140 kanji.grsix.noes;
141 tsu_render;
142 endtsuglyph;
143
144 % kyuu/su "suck"
145 begintsuglyph("uni5438";56); [see page 2220]
146 kanji.grsix.suck;
147 tsu_render;
148 endtsuglyph;
149
150 % go/ware "my, mine"
151 begintsuglyph("uni543E";62); [see page 1012]
152 kanji.grnine.my;
153 tsu_render;
154 endtsuglyph;
155
156 % ryo "spine"
157 begintsuglyph("uni5442";66); [see page 973]
158 kanji.greight.spine;
159 tsu_render;
160 endtsuglyph;

161
162 % bou/boke "befuddled" (funny man in a Kansai comedy duo)
163 begintsuglyph("uni5446";70); [see page 1038]
164 kanji.rare.befuddled;
165 tsu_render;
166 endtsuglyph;
167
168 % koku "revelation"
169 begintsuglyph("uni544A";74); [see page 746]
170 kanji.grfour.revelation;
171 tsu_render;
172 endtsuglyph;
173
174 % tei "exhibit"
175 begintsuglyph("uni544E";78); [see page 938]
176 kanji.greight.exhibit;
177 tsu_render;
178 endtsuglyph;
179
180 % ton/no "drink" (rare form used as part of other things)
181 begintsuglyph("uni5451";81); [see page 1056]
182 kanji.rare.drink;
183 tsu_render;
184 endtsuglyph;
185
186 % shuu/mawa "circuit"
187 begintsuglyph("uni5468";104); [see page 694]
188 kanji.grfour.circuit;
189 tsu_render;
190 endtsuglyph;
191
192 % mi/aji "taste"
193 begintsuglyph("uni5473";115); [see page 2218]
194 kanji.grthree.taste;
195 tsu_render;
196 endtsuglyph;
197
198 % mei/inochi "decree"
199 begintsuglyph("uni547D";125); [see page 624]
200 kanji.grthree.decree;
201 tsu_render;
202 endtsuglyph;
203
204 % wa/yawa "wa" (supposedly-untranslatable term equated with Japanese spirit)
205 begintsuglyph("uni548C";140); [see page 2219]
206 kanji.grthree.wa;
207 tsu_render;
208 endtsuglyph;

U+54A9
tsuku.uni54A9

```
209  
210 % gaku/odoroku "outspeakly"  
211 begintsuglyph("uni54A2",162);  
212 kanji.rare.outspeakly;  
213 tsu_render;  
214 endtsuglyph;  
215
```

[see page 1083]



54

```
216 % rare character in the name of Shirayama Hime shrine  
217 begintsuglyph("uni54A9",169);  
218 build_kanji.lr(380,10)  
219 (build_kanji.sscale(shifted (0,-50))(kanji.leftrad.mouth))  
220 (kanji.grthree.sheep);  
221 tsu_render;  
222 endtsuglyph;  
223  
224 % needed for "feeling"  
225 begintsuglyph("uni54B8",184);  
226 kanji.rare.the_same;  
227 tsu_render;  
228 endtsuglyph;
```

[see page 1100]

229
 230 % needed for "pass"
 231 begintsuglyph("uni54BC";188); [see page 1048]
 232 kanji.rare.crooked_mouth;
 233 tsu_render;
 234 endtsuglyph;
 235
 236 % hin.shina "goods"
 237 begintsuglyph("uni54C1";193); [see page 636]
 238 kanji.grthree.goods;
 239 tsu_render;
 240 endtsuglyph;
 241
 242 % in "member"
 243 begintsuglyph("uni54E1";225); [see page 652]
 244 kanji.grthree.member;
 245 tsu_render;
 246 endtsuglyph;
 247
 248 % ka/uta "big brother" (needed for ka/uta "song")
 249 begintsuglyph("uni54E5";229); [see page 1039]
 250 kanji.rare.big_brother;
 251 tsu_render;
 252 endtsuglyph;
 253
 254

 255
 256 endfont;
 257
 258

tsuku-55.mp

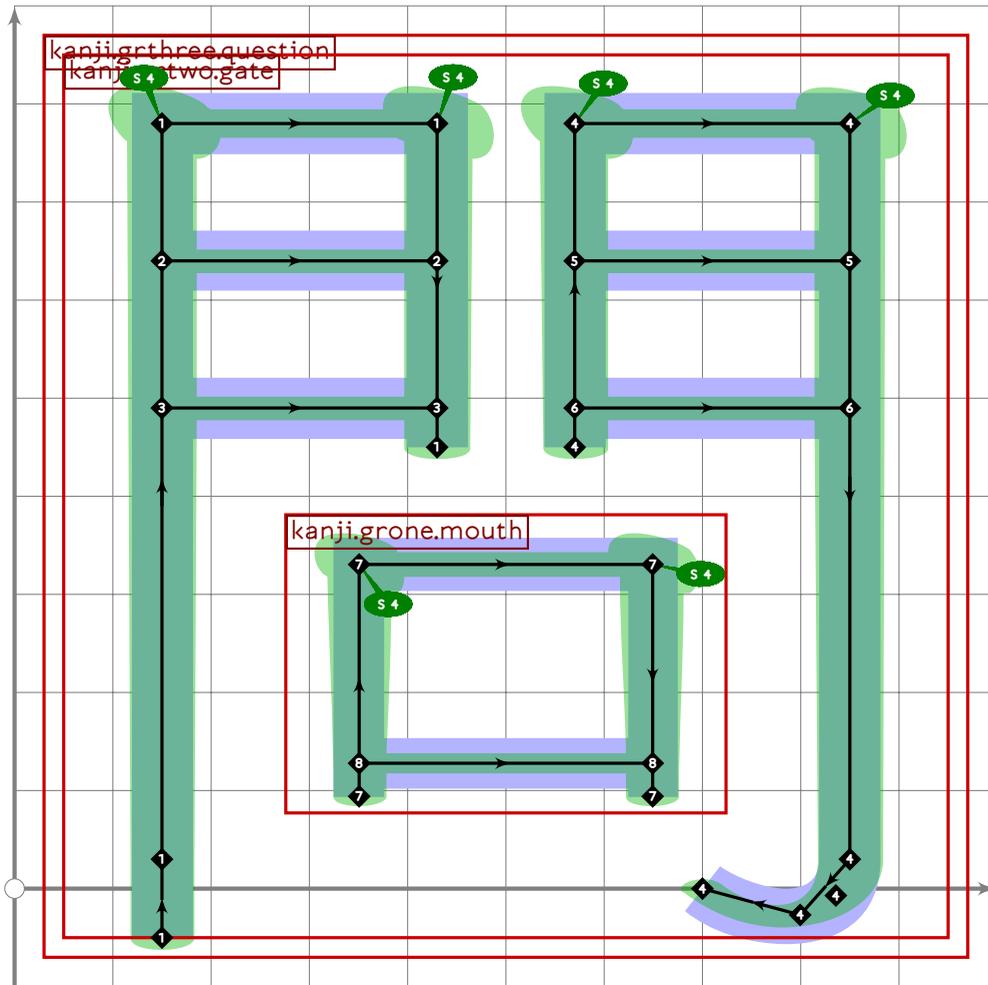
```
1 %
2 % Unicode page 55 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---

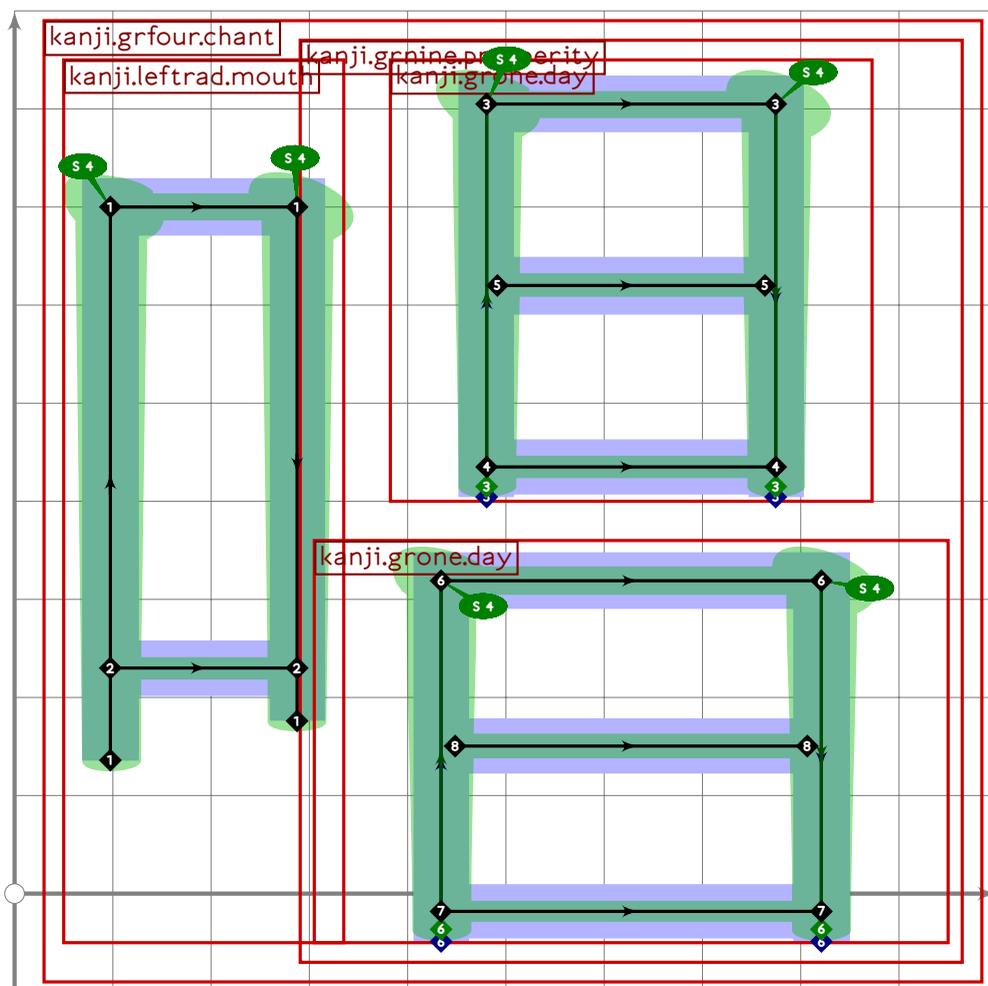

32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input gradeeight.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradethree.mp;
44 input gradetwo.mp;
45 input leftrad.mp;
46 input radical.mp;
47 input rare.mp;
48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

---

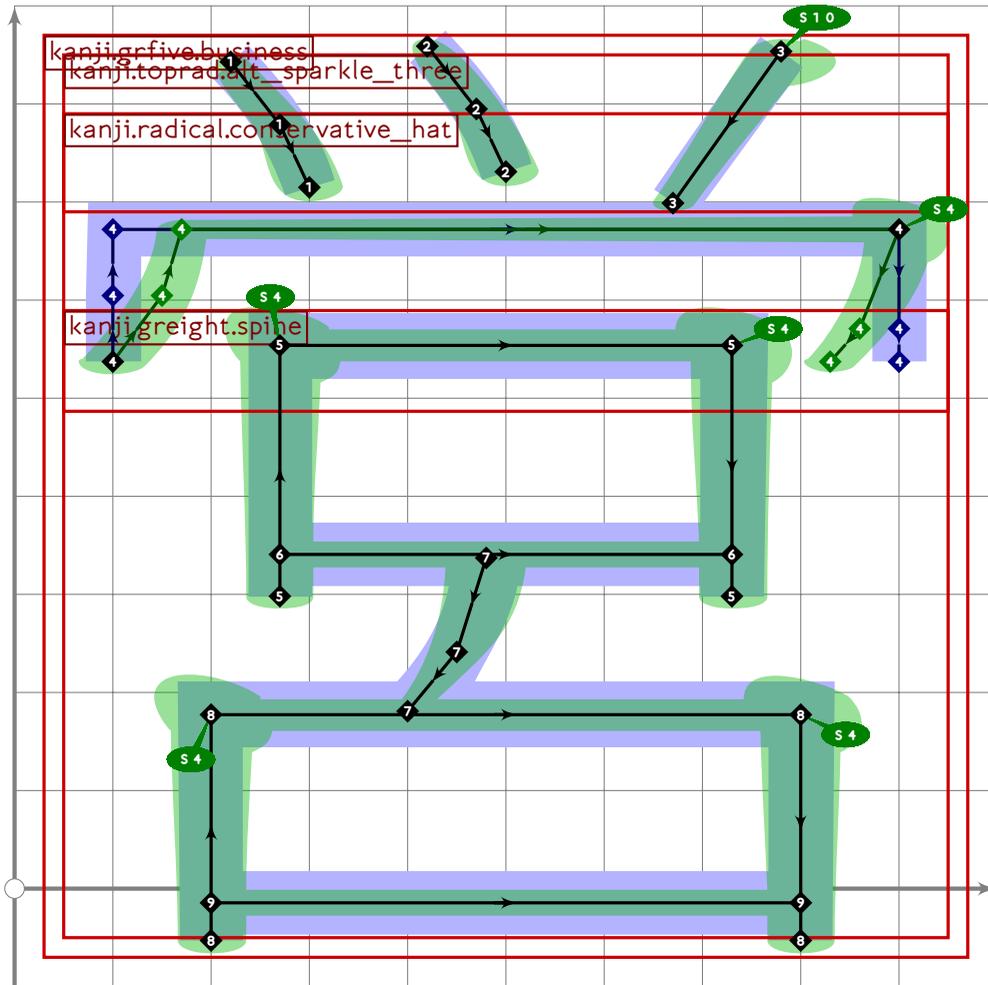

```



```
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 2228]

[see page 619]

```

93  kanji.grthree.commerce;
94  tsu_render;
95  endtsuglyph;
96
97  % teki/moto "stalk"
98  begintsuglyph("uni5547";71); [see page 1094]
99  kanji.rare.stalk;
100 tsu_render;
101 endtsuglyph;
102
103 % mon/to "question"
104 begintsuglyph("uni554F";79); [see page 2227]
105 kanji.grthree.question;
106 tsu_render;
107 endtsuglyph;
108
109 % ki/yoroko "pleasure"
110 begintsuglyph("uni559C";156); [see page 741]
111 kanji.grfour.pleasure;
112 tsu_render;
113 endtsuglyph;
114
115 % kyou/taka "boast"
116 begintsuglyph("uni55AC";172); [see page 992]
117 kanji.grnine.boast;
118 tsu_render;
119 endtsuglyph;
120
121 % ei/itona "business"
122 begintsuglyph("uni55B6";182); [see page 2229]
123 kanji.grfive.business;
124 tsu_render;
125 endtsuglyph;
126
127 _____
128
129 endfont;
130
131 _____

```

tsuku-56.mp

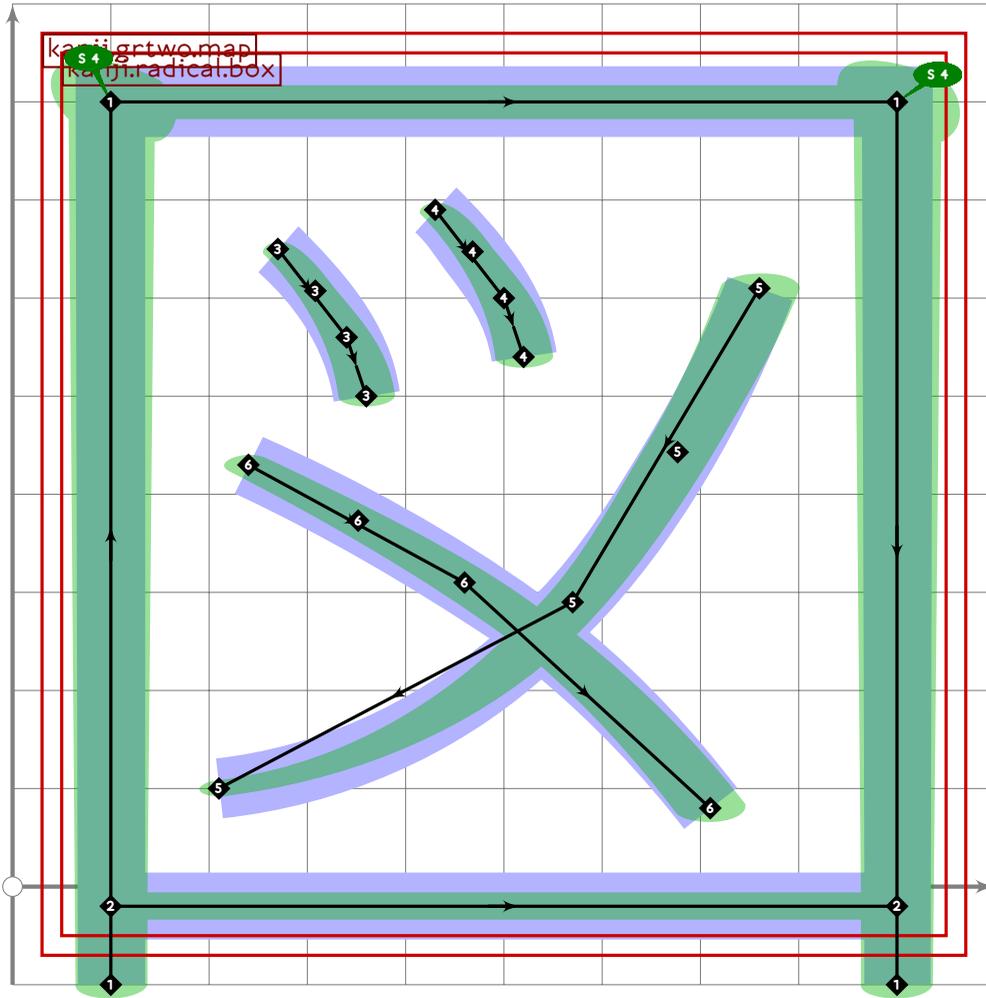
```
1 %
2 % Unicode page 56 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2021 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---

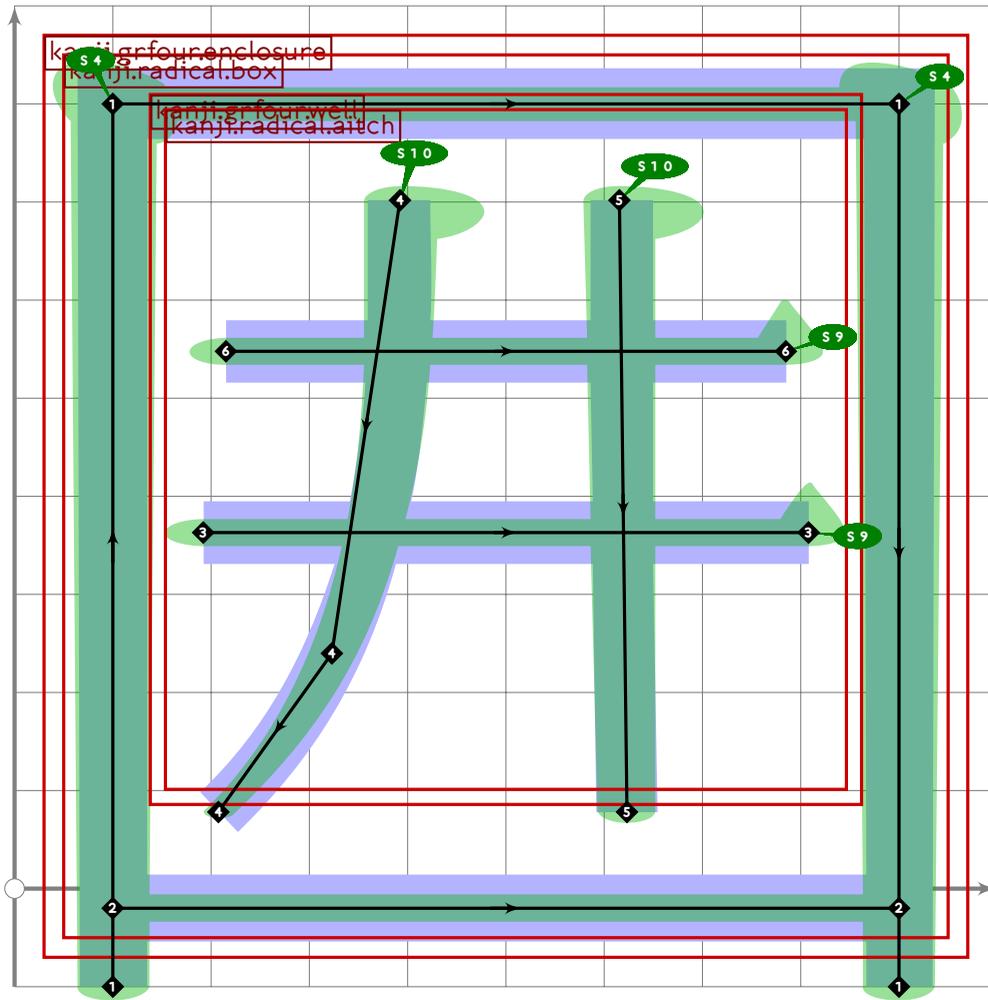

32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradefive.mp;
38 input gradefour.mp;
39 input gradeone.mp;
40 input gradesix.mp;
41 input gradetwo.mp;
42 input radical.mp;
43
44 do_late_includes;
45
46 

---

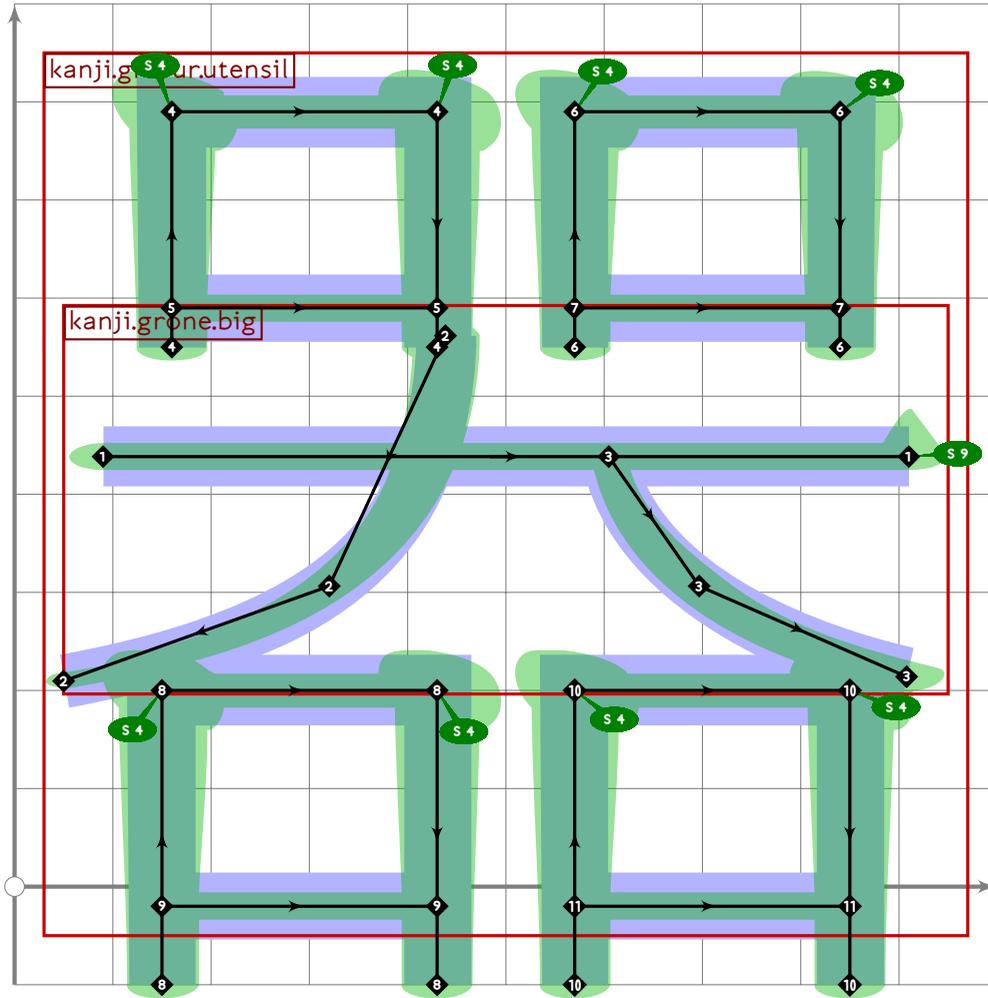

```



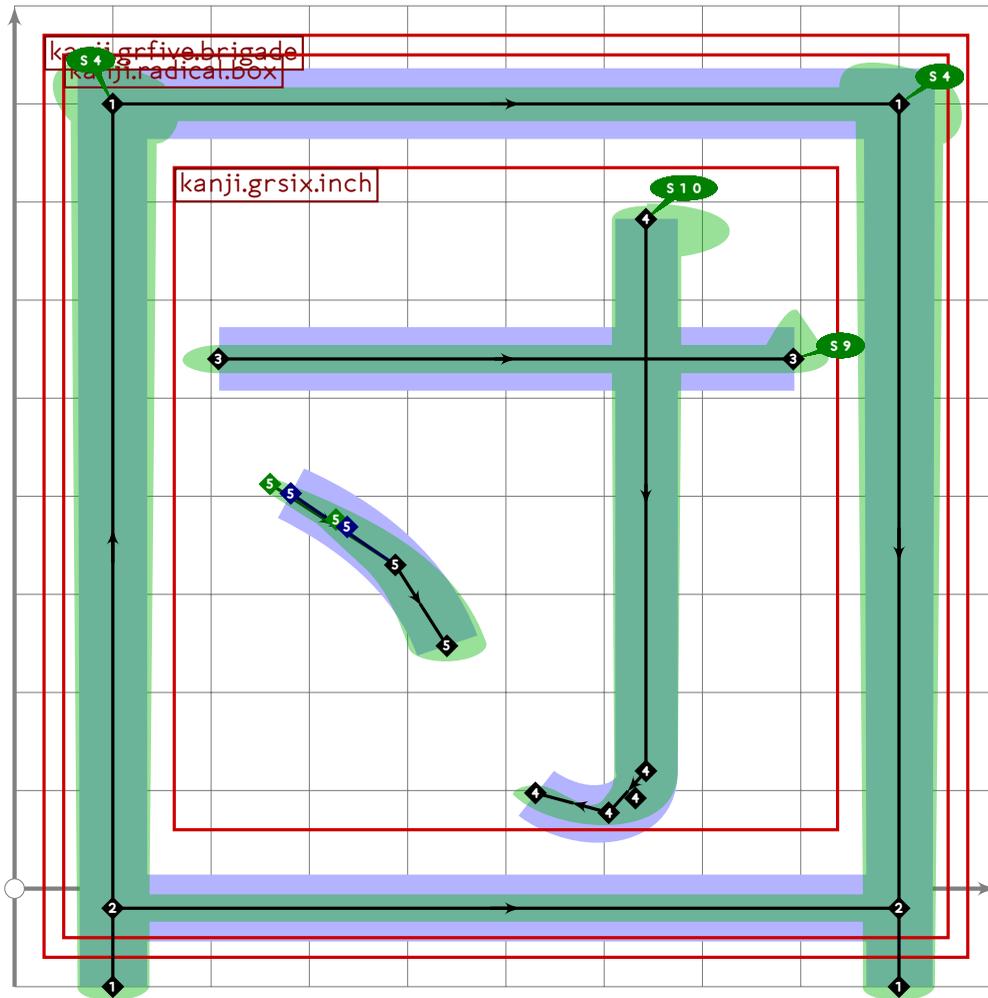
```
47
48 vardef kanji.grtwo.map =
49   push_pbox_toexpand("kanji.grtwo.map");
50   kanji.radical.box;
51   push_stroke((270,650)..tension 1.2..(340,560)..(360,500),
52     (1,1)-(1.2,1.2)-(1.3,1.3));
53   push_stroke(get_strokep(0) shifted ((430,690)-point 0 of get_strokep(0)),
54     get_strokeq(0));
55   push_stroke((760,610)..tension 1.2..(570,290)..(210,100),
56     (1.6,1.6)-(1.4,1.4)-(1.1,1.1));
57   push_stroke((240,430)..tension 1.2..(460,310)..(710,80),
58     (1.2,1.2)-(1.4,1.4)-(1.5,1.5));
59   expand_pbox;
60 enddef;
61
62
```



```
63  
64 vardef kanji.grfour.enclosure =  
65   push_pbox_toexpand("kanji.grfour.enclosure");  
66   kanji.radical.box;  
67   build_kanji.sscale(scaled 0.77 shifted (0,50))(kanji.grfour.well);  
68   expand_pbox;  
69 enddef;
```



```
70  
71 vardef kanji.grfour.utensil =  
72   push_pbox_toexpand("kanji.grfour.utensil");  
73   build_kanji.sscale(yscaled 0.44)  
74     (build_kanji.spread_legs(140)(kanji.grone.big));  
75   build_kanji.box((160,790),(430,590));  
76   build_kanji.box((570,790),(840,590));  
77   build_kanji.box((150,200),(430,-20));  
78   build_kanji.box((570,200),(850,-20));  
79   expand_pbox;  
80 enddef;  
81  
82
```



```

83
84 vardef kanji.grfive.brigrade =
85   push_pbox_toexpand("kanji.grfive.brigrade");
86   kanji.radical.box;
87   build_kanji.sscale(scaled 0.75)(kanji.grsix.inch);
88   expand_pbox;
89 enddef;

```

90

91

92

```

93 % ki/utsuwa "utensil"
94 begintsuglyph("uni5668";104);

```

[see page 2234]

```

95   kanji.grfour.utensil;
96   tsu_render;
97 endtsuglyph;

```

98

```

99 % box radical
100 begintsuglyph("uni56D7";215);

```

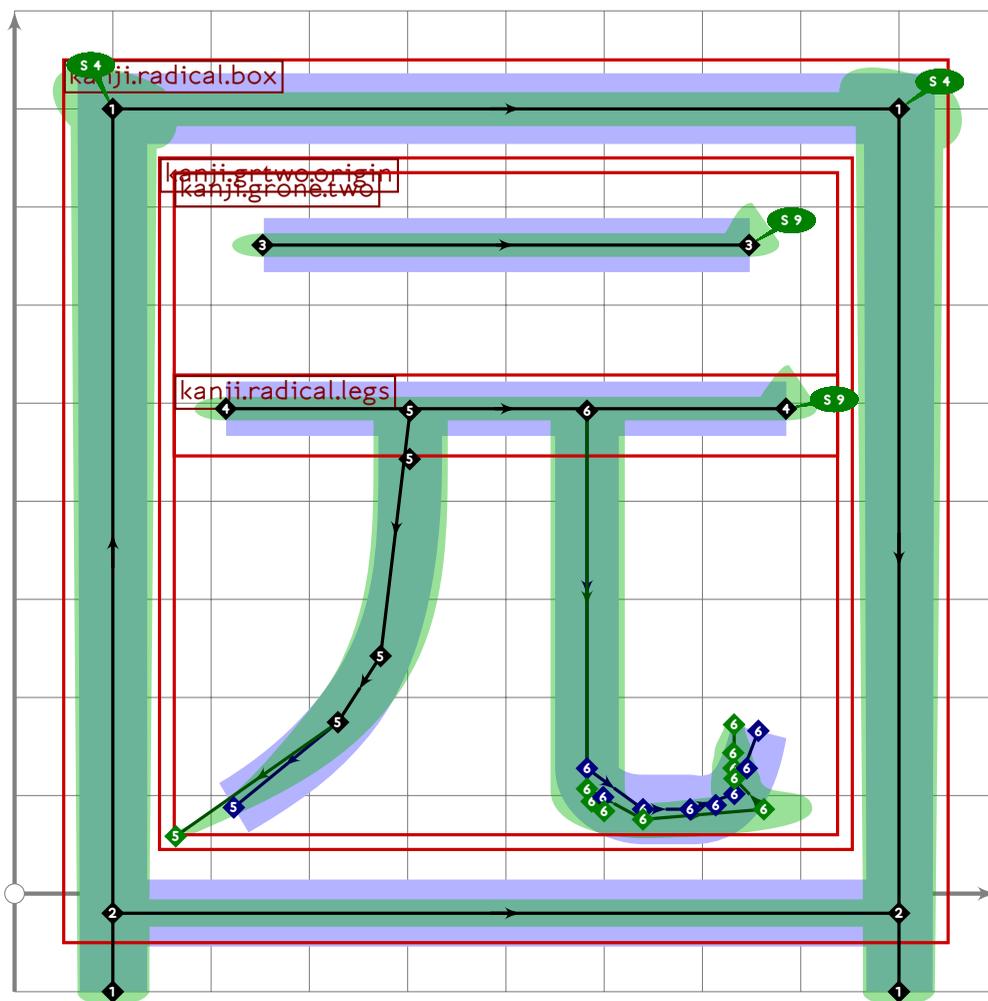
[see page 862]

```

101   kanji.radical.box;
102   tsu_render;
103 endtsuglyph;

```

104
105 % shi/yon "four"
106 begintsuglyph("uni56DB";219); [see page 444]
107 kanji.grone.four;
108 tsu_render;
109 endtsuglyph;
110
111 % kai "counter for occurrences"
112 begintsuglyph("uni56DE";222); [see page 559]
113 kanji.grtwo.occurrences;
114 tsu_render;
115 endtsuglyph;
116
117 % in/yo "cause"
118 begintsuglyph("uni56E0";224); [see page 769]
119 kanji.grfive.cause;
120 tsu_render;
121 endtsuglyph;
122
123 % dan/katamari "group or association" (as in SOS Brigade)
124 begintsuglyph("uni56E3";227); [see page 2235]
125 kanji.grfive.brigade;
126 tsu_render;
127 endtsuglyph;
128



```

129 % extra
130 begintsuglyph("uni56ED";237);
131 kanji.radical.box;
132 build_kanji:sscale(scaled 0.75)(kanji.grtwo.origin);
133 tsu_render;
134 endtsuglyph;

```

135

```

136 % koma "bothered"

```

```

137 begintsuglyph("uni56F0";240);

```

[see page 820]

```

138 kanji.grsix.bothered;

```

```

139 tsu_render;

```

```

140 endtsuglyph;

```

141

```

142 % i/kako "enclosure"

```

```

143 begintsuglyph("uni56F2";242);

```

[see page 2233]

```

144 kanji.grfour.enclosure;

```

```

145 tsu_render;

```

```

146 endtsuglyph;

```

147

```

148 % zu/haka "map"

```

```

149 begintsuglyph("uni56F3";243);

```

[see page 2232]

```
150 kanji.grtwo.map;
151 tsu_render;
152 endtsuglyph;
153
154 % ko/kata "hard"
155 begintsuglyph("uni56FA";250); [see page 722]
156 kanji.grfour.hard;
157 tsu_render;
158 endtsuglyph;
159
160 % koku/kuni "country"
161 begintsuglyph("uni56FD";253); [see page 509]
162 kanji.grtwo.country;
163 tsu_render;
164 endtsuglyph;
165
166 _____
167
168 endfont;
169
170 _____
```