

作りましょう 0.10

パラメタ方式フォントファミリ
校とプリティプリントのソース

Tsukurimashou 0.10

Parametric Font Family
Proofs and pretty-printed
source code

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Proofs and pretty-printed source code for Tsukurimashou
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Volume X

U+6B00 to U+83FF

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| tsuku-6c.mp | 6C |
| tsuku-6d.mp | 6D |
| tsuku-6e.mp | 6E |
| tsuku-6f.mp | 6F |
| tsuku-70.mp | 70 |
| tsuku-71.mp | 71 |
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| tsuku-74.mp | 74 |
| tsuku-75.mp | 75 |
| tsuku-76.mp | 76 |
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| tsuku-78.mp | 78 |
| tsuku-79.mp | 79 |
| tsuku-7a.mp | 7A |
| tsuku-7b.mp | 7B |
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| tsuku-7e.mp | 7E |
| tsuku-7f.mp | 7F |
| tsuku-80.mp | 80 |
| tsuku-81.mp | 81 |
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| tsuku-83.mp | 83 |

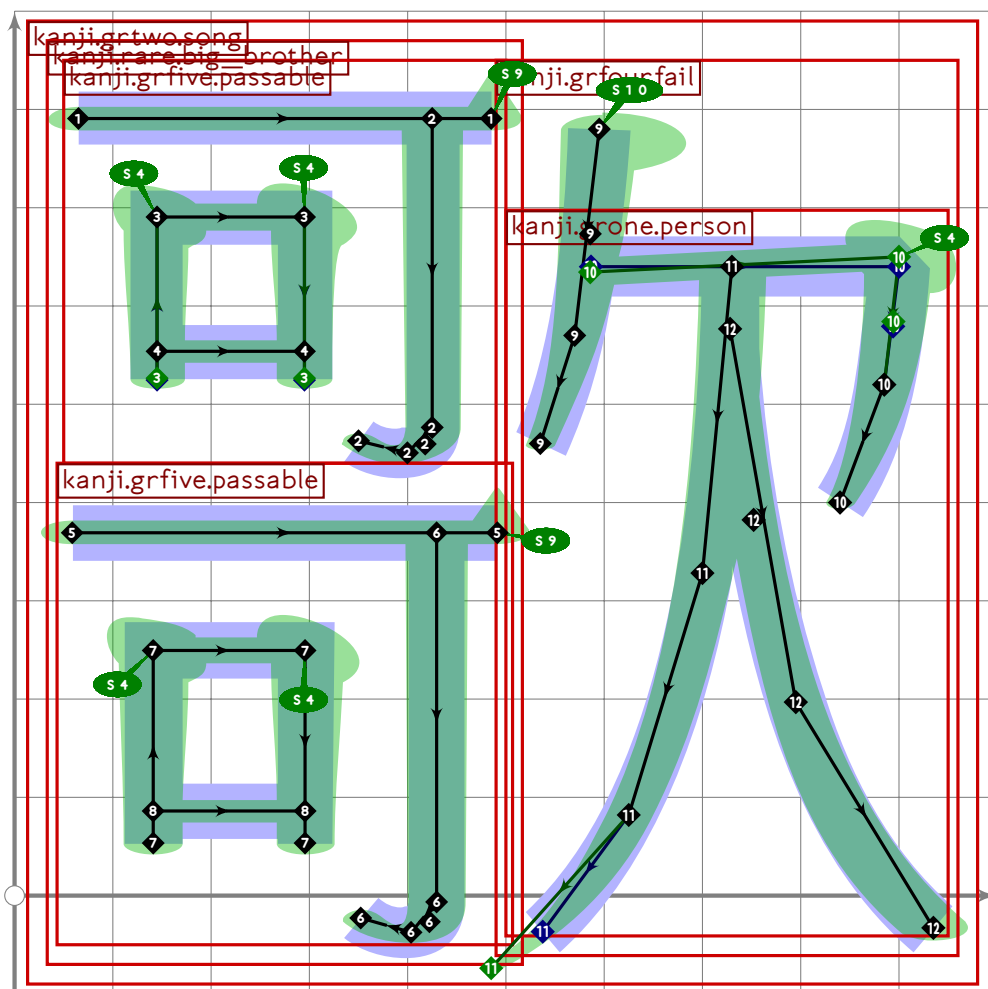

```
1 %
2 % Unicode page 6B (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

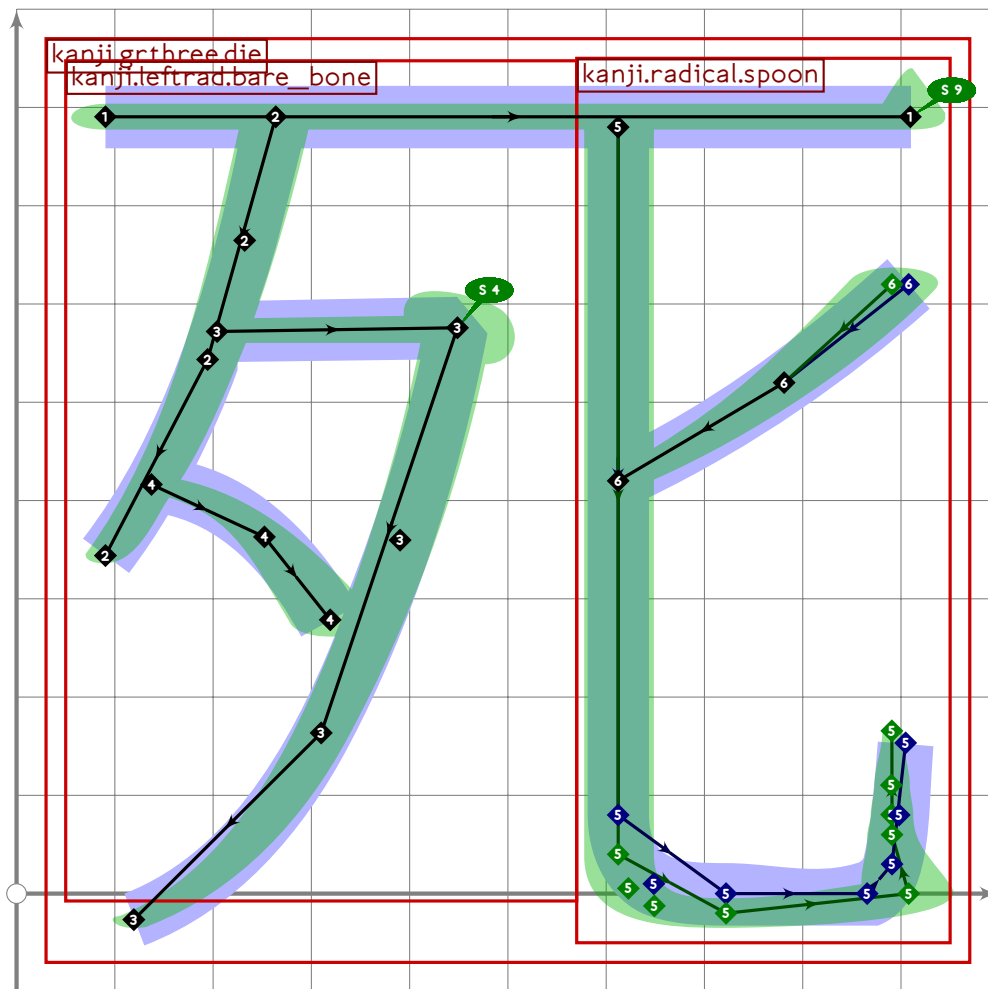

```



```

52
53 vardef kanji.grtwo.song =
54   push_pbox_toexpand("kanji.grtwo.song");
55   build_kanji.lr(500,0)
56   (kanji.rare.big_brother)
57   (kanji.grfour.fail);
58   expand_pbox;
59 enddef;
60
61

```

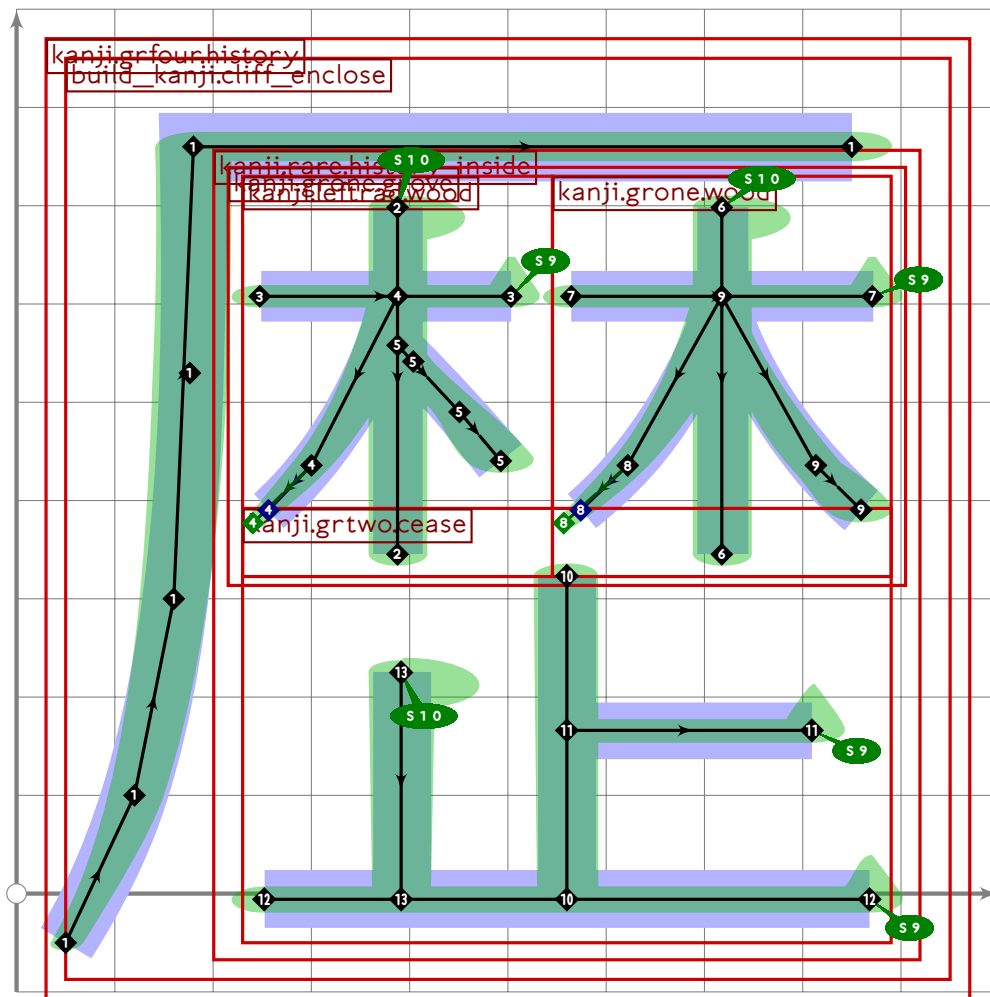


```

62
63 vardef kanji.grthree.die =
64   push_pbox_toexpand("kanji.grthree.die");
65   build_kanji.level(build_kanji.lr(570,0)
66     (tsu_xform(identity shifted (0,-800) yscaled 0.95 shifted (0,800))
67       (kanji.leftrad.bare_bone))
68     (kanji.radical.spoon));
69   set_boserif(-1,0,whatever);
70   set_boserif(0,0,whatever);
71   replace_strokep(-5)((point 0 of oldp)-
72     (1000-xpart point 0 of oldp,ypart point 1 of oldp));
73   expand_pbox;
74 enddef;
75
76

```

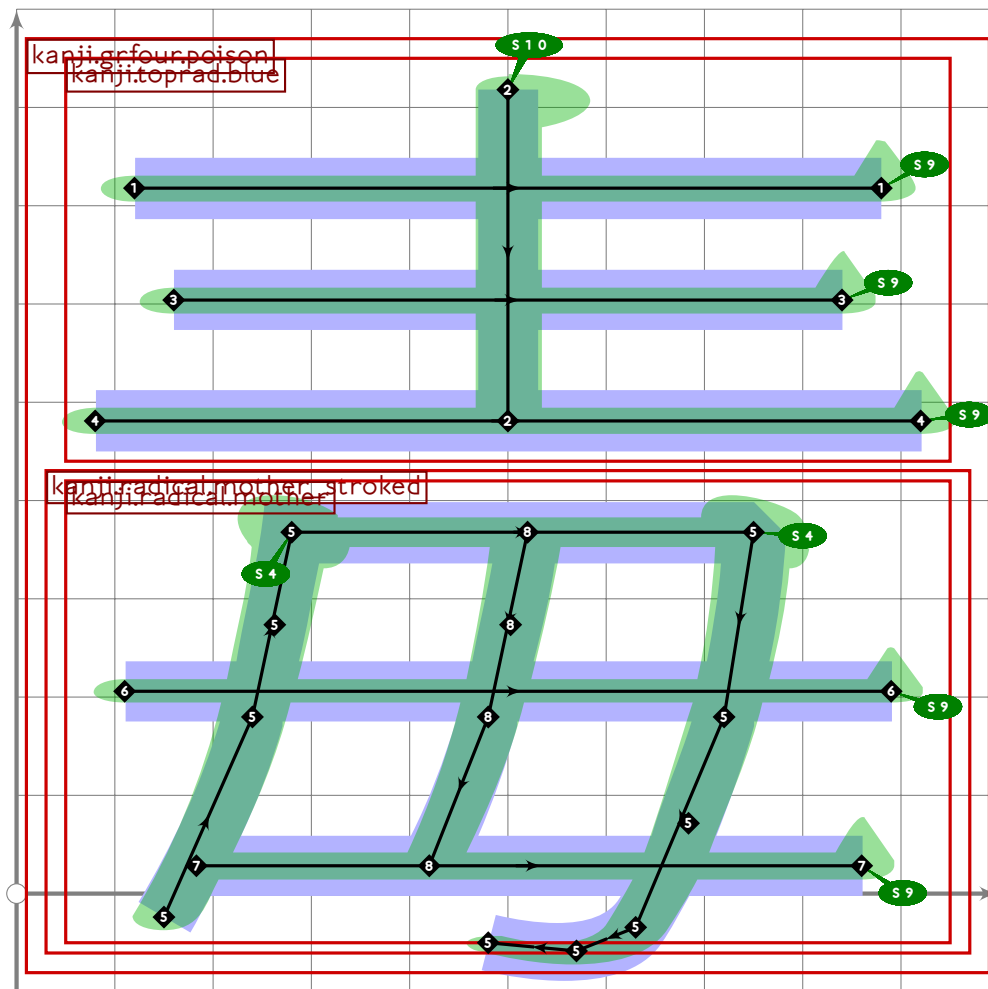

6B



```

77
78 vardef kanji.grfour.history =
79   push_pbox_toexpand("kanji.grfour.history");
80   build_kanji.cliff_enclose(kanji.rare.history_inside);
81   expand_pbox;
82 enddef;

```

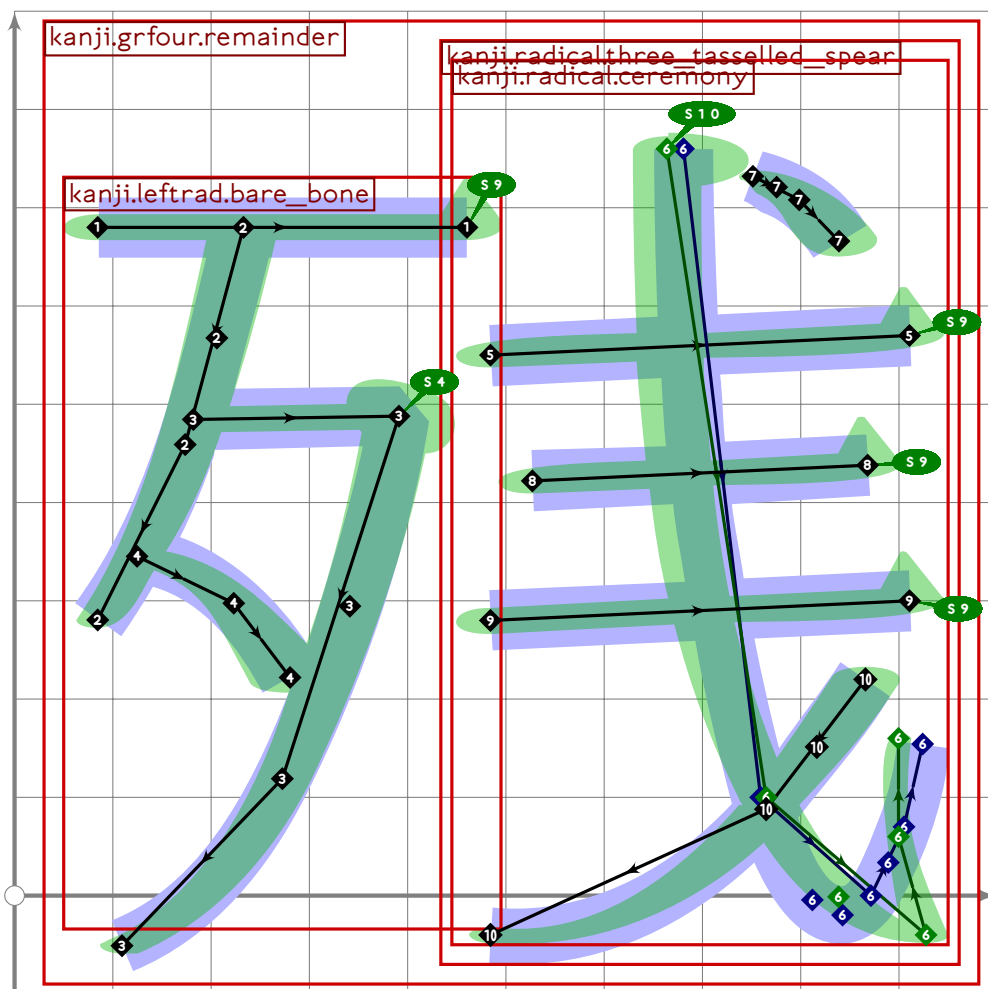


```

83
84 vardef kanji.grfour.poison =
85   push_pbox_toexpand("kanji.grfour.poison");
86   build_kanji.level(build_kanji.tb(430,20)
87     (kanji.toprad.blue)
88     (kanji.radical.mother_stroked));
89   expand_pbox;
90 enddef;

```

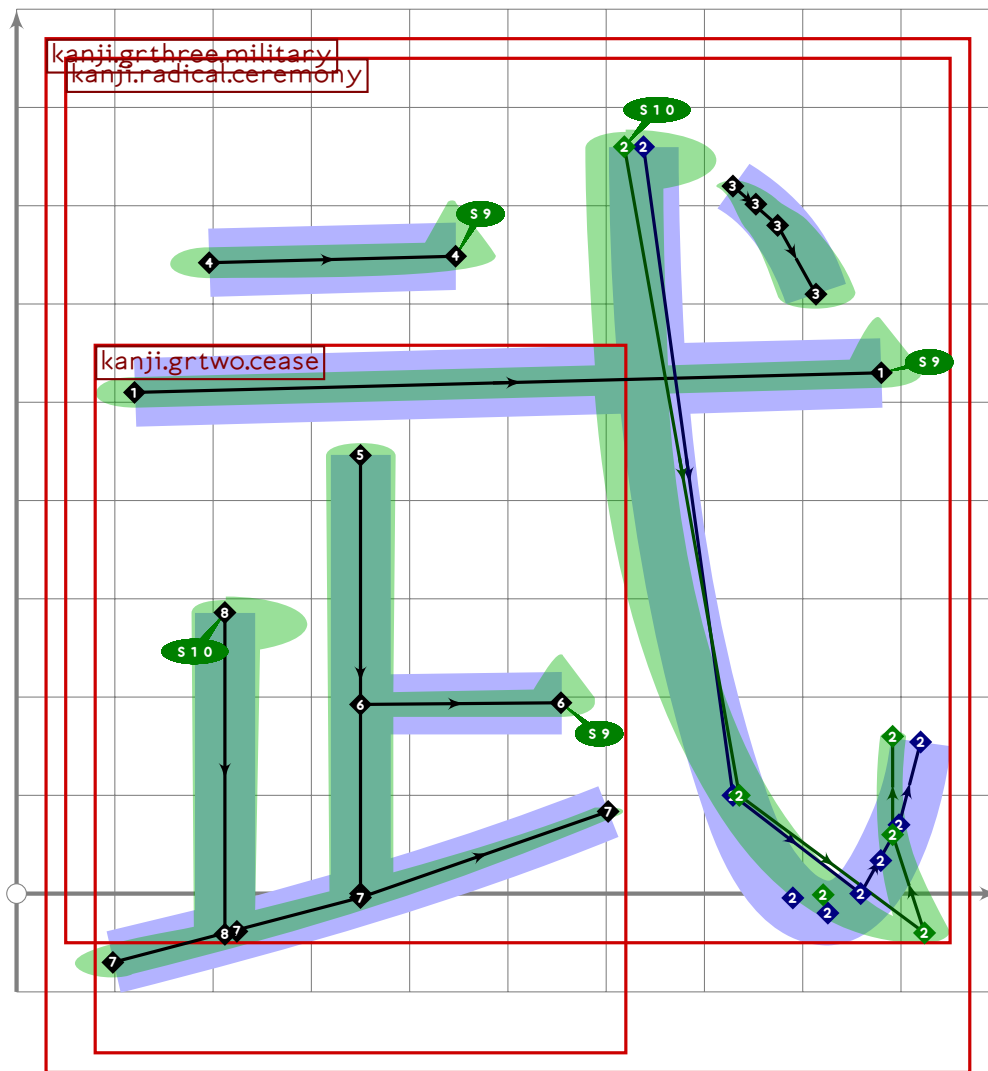
6B



```

91
92 vardef kanji.grfour.remainder =
93   push_pbox_toexpand("kanji.grfour.remainder");
94   build_kanji.level(build_kanji.lr(470,50)
95     (build_kanji.sscale(yscaled 0.85 shifted (0,-50))
96       (kanji.leftrad.bare_bone))
97     (kanji.radical.three_tasselled_spear));
98   expand_pbox;
99 enddef;
100
101

```



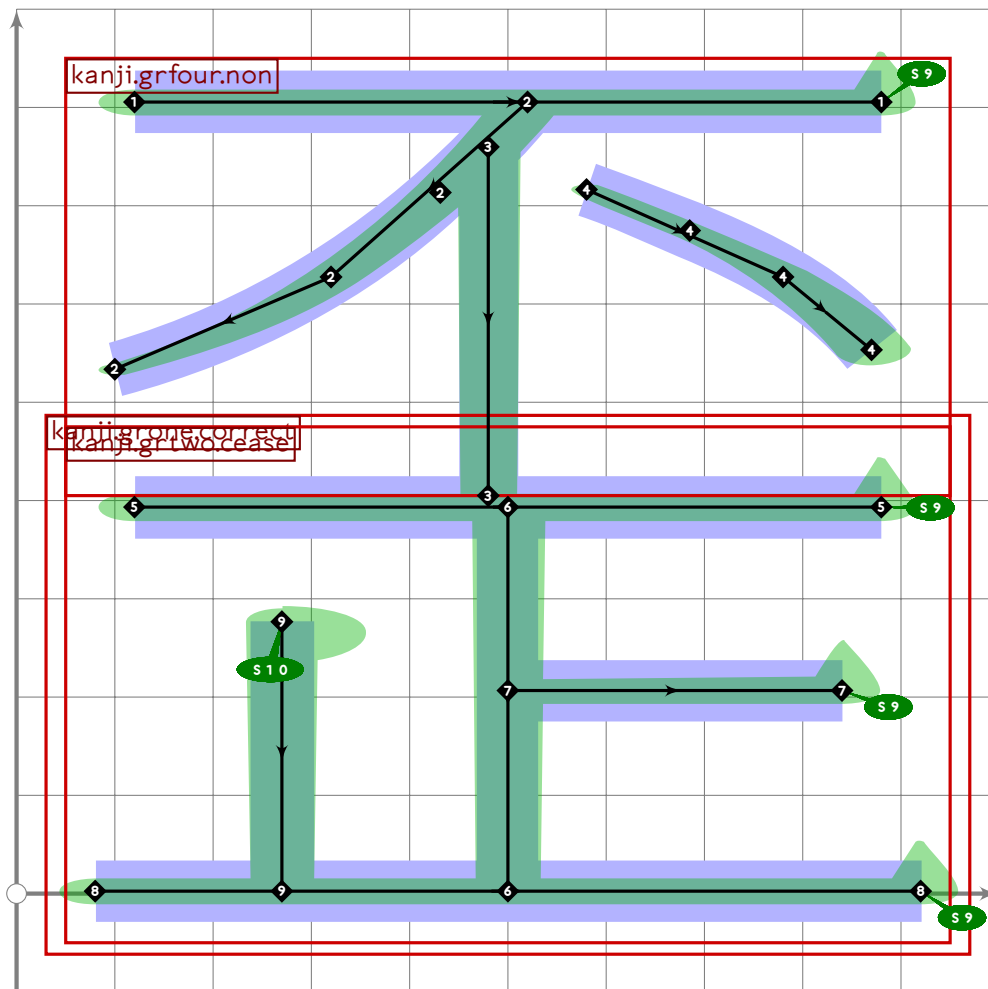
```

102
103 vardef kanji.grfive.military =
104   push_pbox_toexpand("kanji.grthree.military");
105   kanji.radical.ceremony;
106   replace_strokep(-1)(oldp shifted (-950,0) xscaled 0.65 shifted (950,0));
107   replace_strokep(0)(oldp shifted (-950,0) xscaled 0.65 shifted (950,0));
108   push_stroke(subpath (0,1,0.43) of get_strokep(-2) shifted (0,130),
109     get_strokeq(-2));
110   set_boserif(0,1,9);
111   build_kanji.sscaled(xyscaled (0.6,0.8) shifted (-150,200))
112     (build_kanji.lift_skirt(400,250)(kanji.grtwo.cease));
113   expand_pbox;
114 enddef;
115
116
117
118 % ketsu/ka/akubi "fail" or "yawn"
119 beginstuglyph("uni6B20";32);
120   kanji.grfour.fail;

```

[see page 694]

```
121 tsu_render;
122 endtsuglyph;
123
124 % ji/tsugi "next"
125 begintsuglyph("uni6B21";33); [see page 643]
126 kanji.grthree.next;
127 tsu_render;
128 endtsuglyph;
129
130 % ka/uta "song"
131 begintsuglyph("uni6B4C";76); [see page 3006]
132 kanji.grtwo.song;
133 tsu_render;
134 endtsuglyph;
135
136 % shi/toma "stop"
137 begintsuglyph("uni6B62";98); [see page 498]
138 kanji.grtwo.cease;
139 tsu_render;
140 endtsuglyph;
141
142 % sei/tada/machi "correct"
143 begintsuglyph("uni6B63";99); [see page 428]
144 kanji.grone.correct;
145 tsu_render;
146 endtsuglyph;
147
148 % bu/take "military"
149 begintsuglyph("uni6B66";102); [see page 3011]
150 kanji.grfive.military;
151 tsu_render;
152 endtsuglyph;
153
154 % ho/aruku "walk"
155 begintsuglyph("uni6B69";105); [see page 582]
156 kanji.grtwo.walk;
157 tsu_render;
158 endtsuglyph;
159
```



```

160 % extra: wai/iga "warp"
161 begintsuglyph("uni6B6A",106);
162   build_kanji.tb(440,70)
163     (kanji.grfour.non)
164     (kanji.grone.correct);
165   tsu_render;
166 endtsuglyph;
167
168 % shi/ha "tooth"
169 begintsuglyph("uni6B6F",111);
170   kanji.grthree.tooth;
171   tsu_render;
172 endtsuglyph;
173
174 % reki "history"
175 begintsuglyph("uni6B74",116);
176   kanji.grfour.history;
177   tsu_render;
178 endtsuglyph;
179
180 % gatsu "bare bone radical"

```

[see page 664]

[see page 708]

```

181 begintsuglyph("uni6B79";121); [see page 812]
182   kanji.leftrad.bare_bone;
183   tsu_render;
184 endtsuglyph;
185
186 % shi "die"
187 begintsuglyph("uni6B7B";123); [see page 3007]
188   kanji.grthree.die;
189   tsu_render;
190 endtsuglyph;
191
192 % zan/noko "remainder"
193 begintsuglyph("uni6B8B";139); [see page 3010]
194   kanji.grfour.remainder;
195   tsu_render;
196 endtsuglyph;
197
198 % shu/mata "windy again radical"
199 begintsuglyph("uni6BB3";179); [see page 861]
200   kanji.radical.windy_again;
201   tsu_render;
202 endtsuglyph;
203
204 % satsu/koro "kill"
205 begintsuglyph("uni6BBA";186); [see page 711]
206   kanji.grfour.kill;
207   tsu_render;
208 endtsuglyph;
209
210 % extra: mother radical, stroked version
211 begintsuglyph("uni6BCB";203); [see page 841]
212   kanji.radical.mother_stroked;
213   tsu_render;
214 endtsuglyph;
215
216 % further variation
217 begintsuglyph("uni6BCC";204); [see page 1036]
218   kanji.rare.penetrate;
219   tsu_render;
220 endtsuglyph;
221
222 % bo/haha "mother"
223 begintsuglyph("uni6BCD";205); [see page 546]
224   kanji.grtwo.mother;
225   tsu_render;
226 endtsuglyph;
227
228 % mai/goto "every"

```

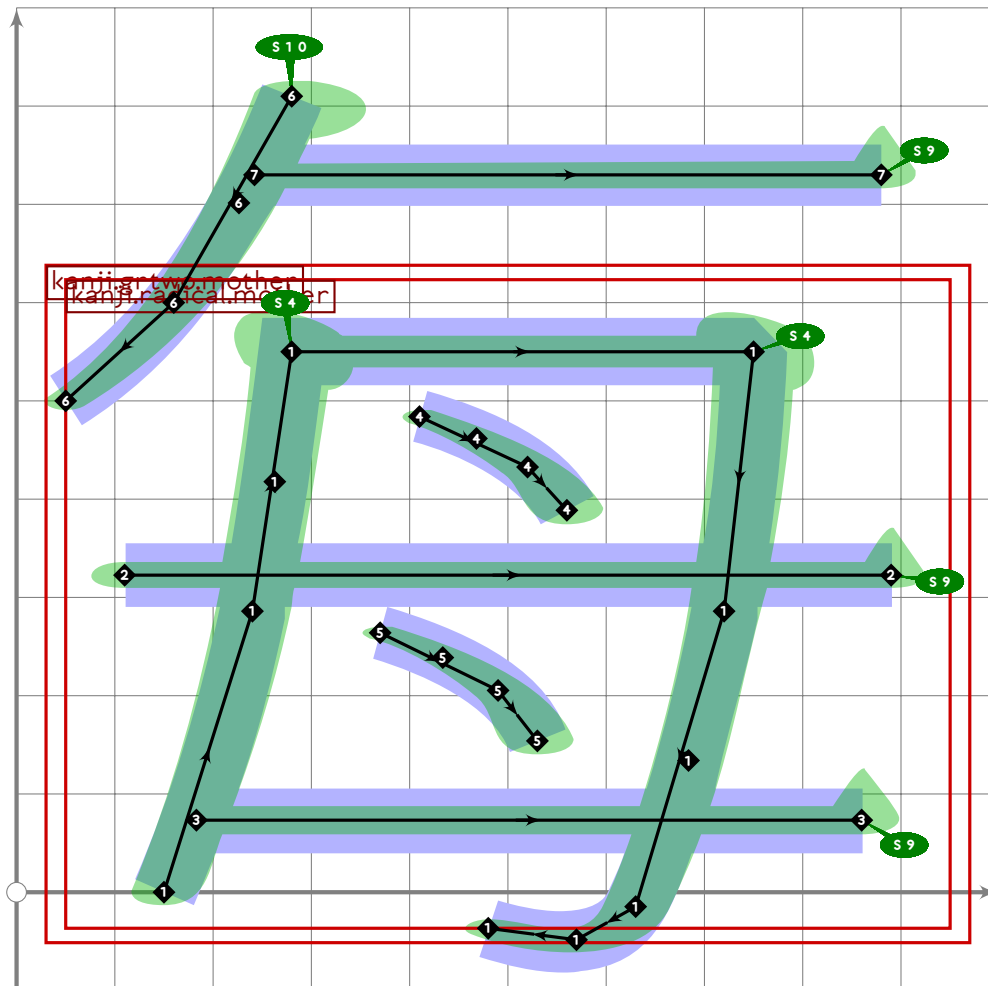
[see page 514]

6B

```

229 begintsuglyph("uni6BCE";206);
230   kanji.grtwo.every;
231   tsu_render;
232 endtsuglyph;
233

```



```

234 % extra, closely related to previous
235 begintsuglyph("uni6BCF";207);
236   tsu_xform(identity yscaled (550/750))
237     (kanji.grtwo.mother);
238   push_stroke((280,810).tension 1.2..(160,600)..(50,500),
239     (1.7,1.7)-(1.5,1.5)-(1.2,1.2));
240   set_boserif(0,0,10);
241   set_bosize(0,90);
242   push_stroke((get_stroke(0) intersectionpoint ((0,730)-(1000,730)))-
243     (880,730),
244     (1.5,1.5)-(1.6,1.6));
245   set_boserif(0,1,9);
246   set_bosize(0,90);
247   tsu_render;
248 endtsuglyph;
249

```



```
250 % doku "poison"
251 begintsuglyph("uni6BD2";210);
252   kanji.grfour.poison;
253   tsu_render;
254 endtsuglyph;
255
256 % hi/kura "compare"
257 begintsuglyph("uni6BD4";212);
258   kanji.grfive.compare;
259   tsu_render;
260 endtsuglyph;
261
262 % mou/ke "hair"
263 begintsuglyph("uni6BDB";219);
264   kanji.grtwo.hair;
265   tsu_render;
266 endtsuglyph;
267
268 _____
269
270 endfont;
271
272 _____
```

[see page 3009]

[see page 751]

[see page 524]

```
1 %
2 % Unicode page 6C (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016 Matthew Skala
4 %
5-29 [Standard copyright notice]
```

```
30
```

```
31
```

```
32
```

```
33 beginfont
```

```
34
```

```
35 % AUTODEPS
```

```
36 input 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 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;
```

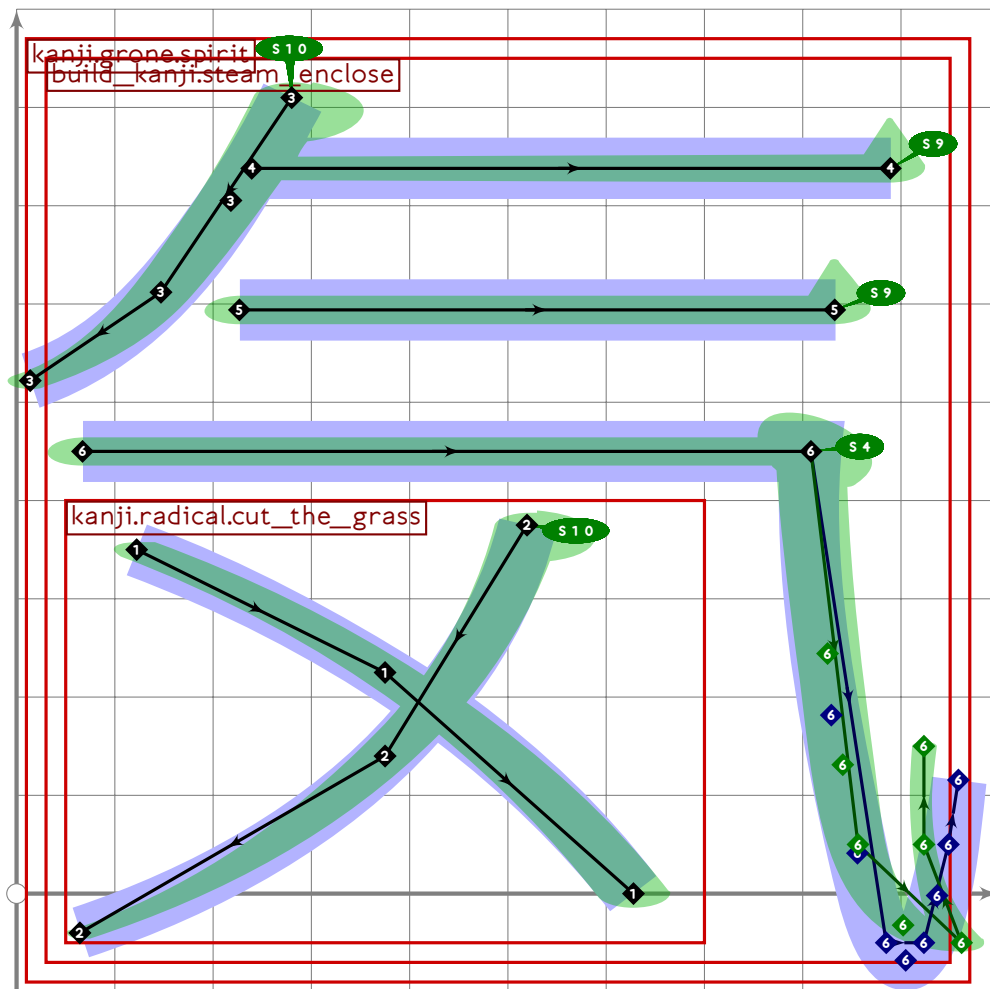
```
51
```

```
52 do_late_includes;
```

```
53
```

```
54
```

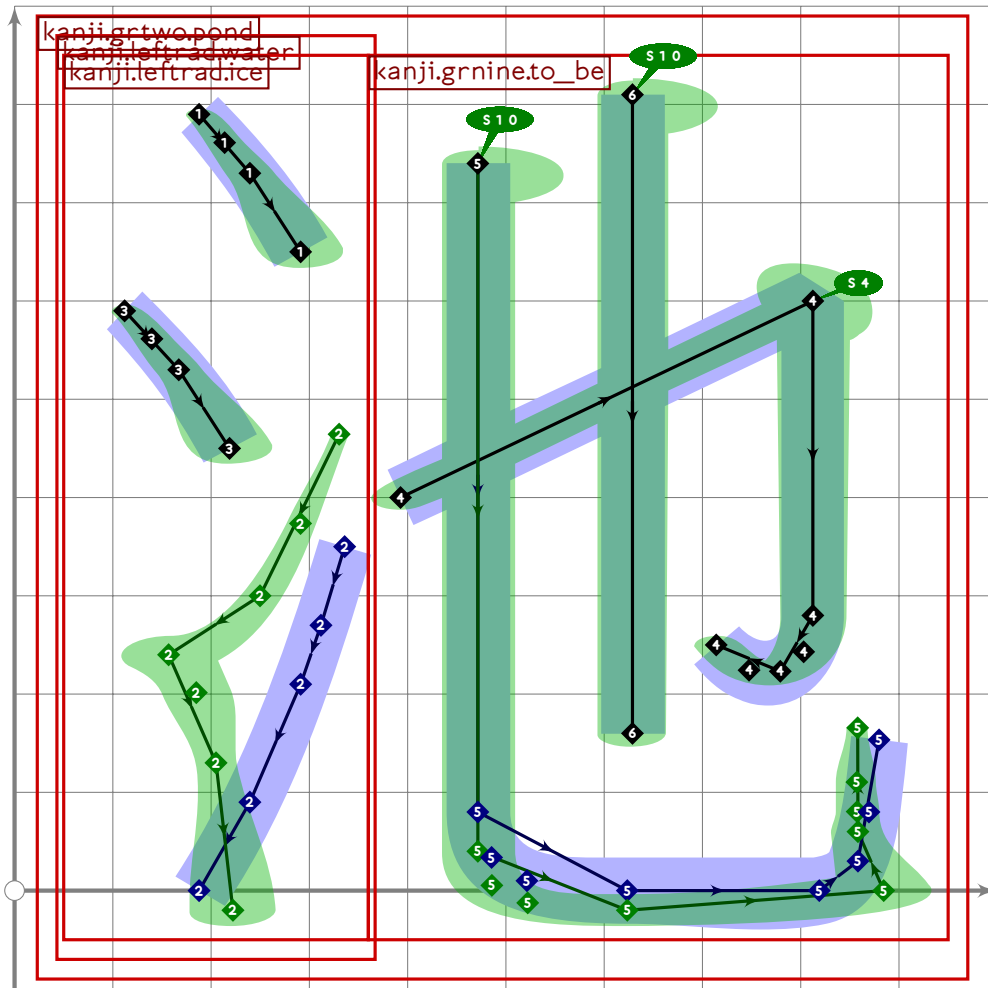
6C



```

55
56 vardef kanji.grone.spirit =
57   push_pbox_toexpand("kanji.grone.spirit");
58   build_kanji.steam_enclose((700,400))
59   (kanji.radical.cut_the_grass);
60   expand_pbox;
61 enddef;
62
63

```

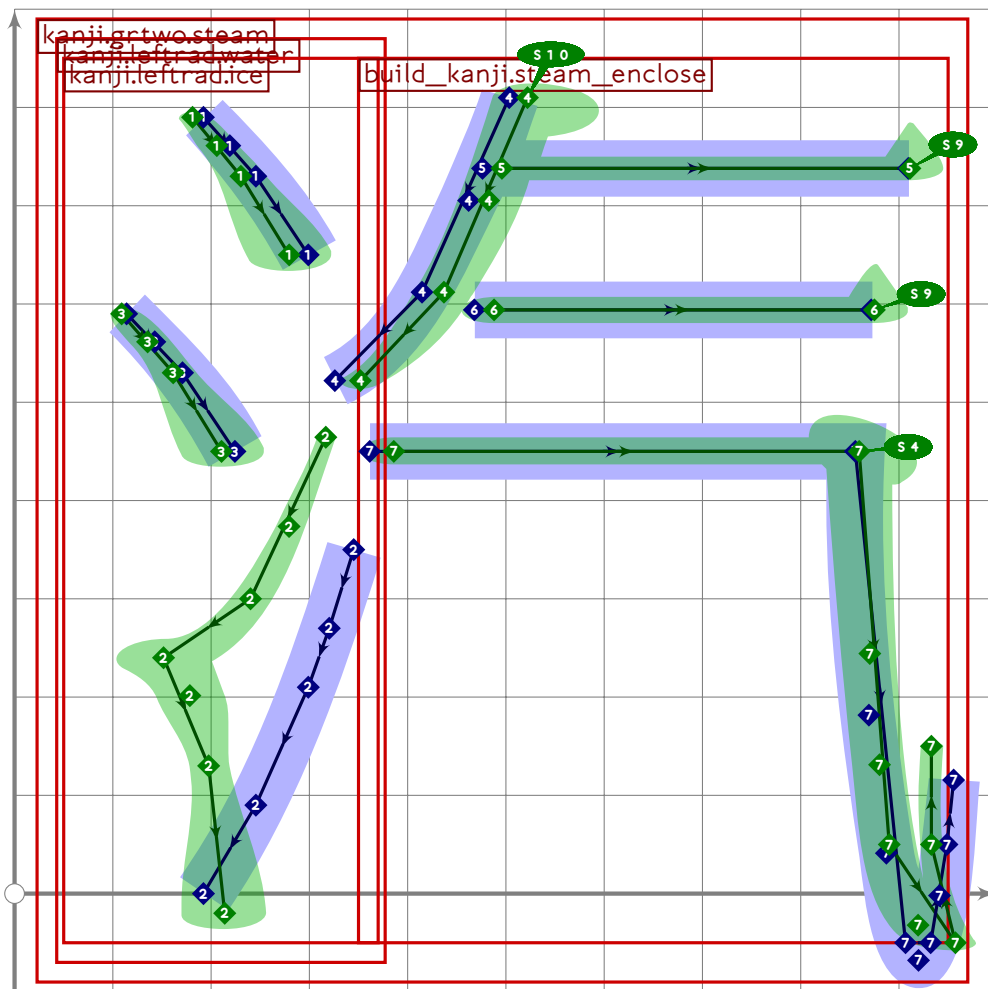


```

64
65 vardef kanji.grtwo.pond =
66   push_pbox_toexpand("kanji.grtwo.pond");
67   build_kanji.lr(360,0)
68     (kanji.leftrad.water)
69     (kanji.grnine.to_be);
70   expand_pbox;
71 enddef;

```

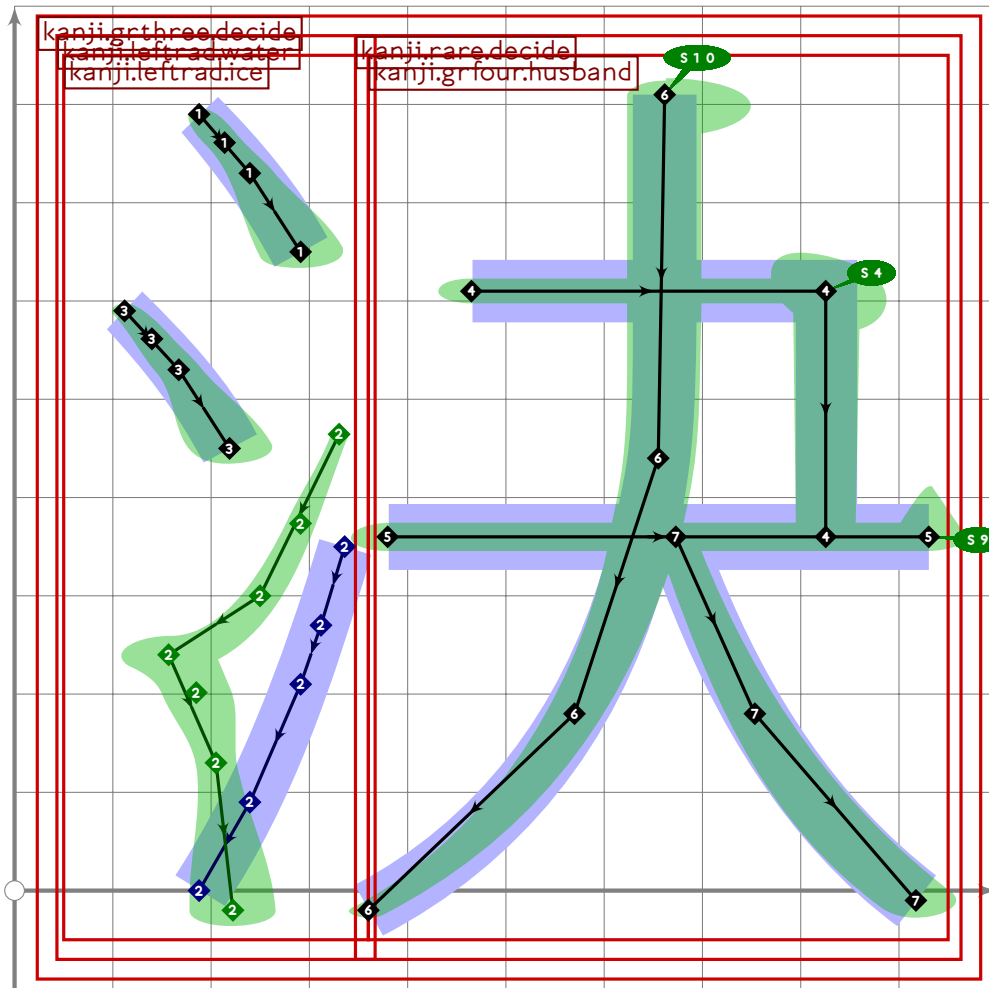
6C



```

72
73 vardef kanji.grtwo.steam =
74   push_pbox_toexpand("kanji.grtwo.steam");
75   build_kanji.lr(360,20-50*mincho)
76   (kanji.leftrad.water)
77   (build_kanji.steam_enclose((700,400))());
78   expand_pbox;
79 enddef;
80
81

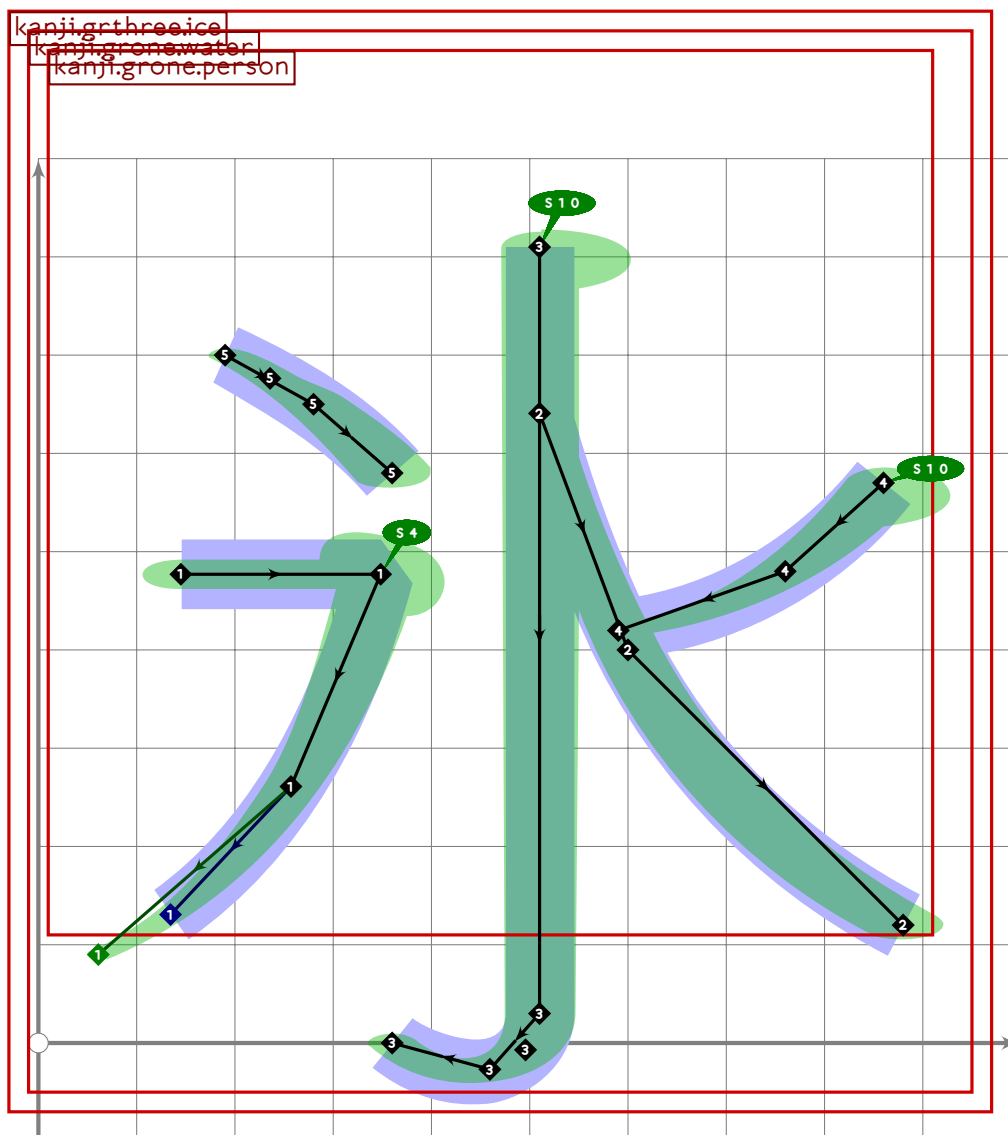
```



```

82
83 vardef kanji.grthree.decide =
84   push_pbox_toexpand("kanji.grthree.decide");
85   build_kanji.lr(360,0)
86     (kanji.leftrad.water)
87     (kanji.rare.decide);
88   expand_pbox;
89 enddef;

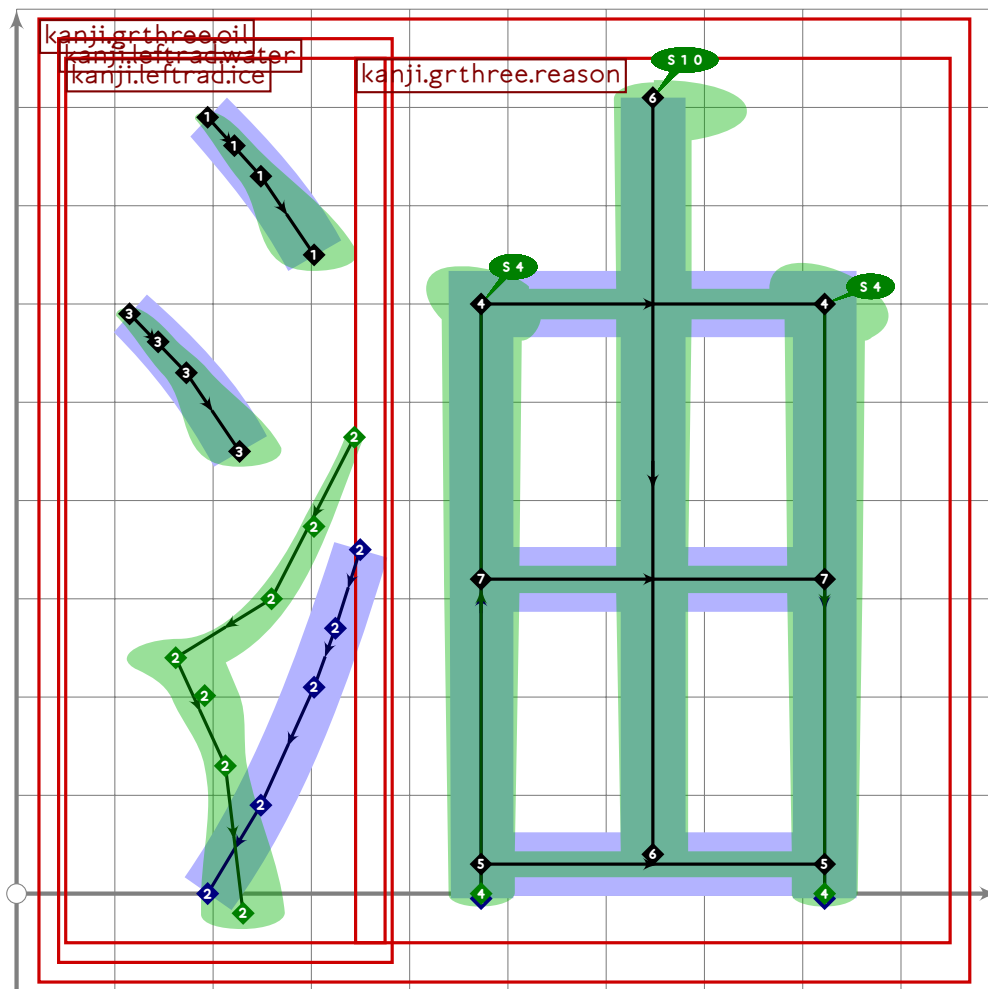
```



```

90
91 vardef kanji.grthree.ice =
92   push_pbox_toexpand("kanji.grthree.ice");
93   kanji.grnewater;
94   replace_stroke(-3)(oldp yscaled 0.9);
95   push_stroke((190,700)..tension 1.2..(280,650)..(360,580),
96     (1,1)-(14,14)-(1.6,1.6));
97   expand_pbox;
98 enddef;

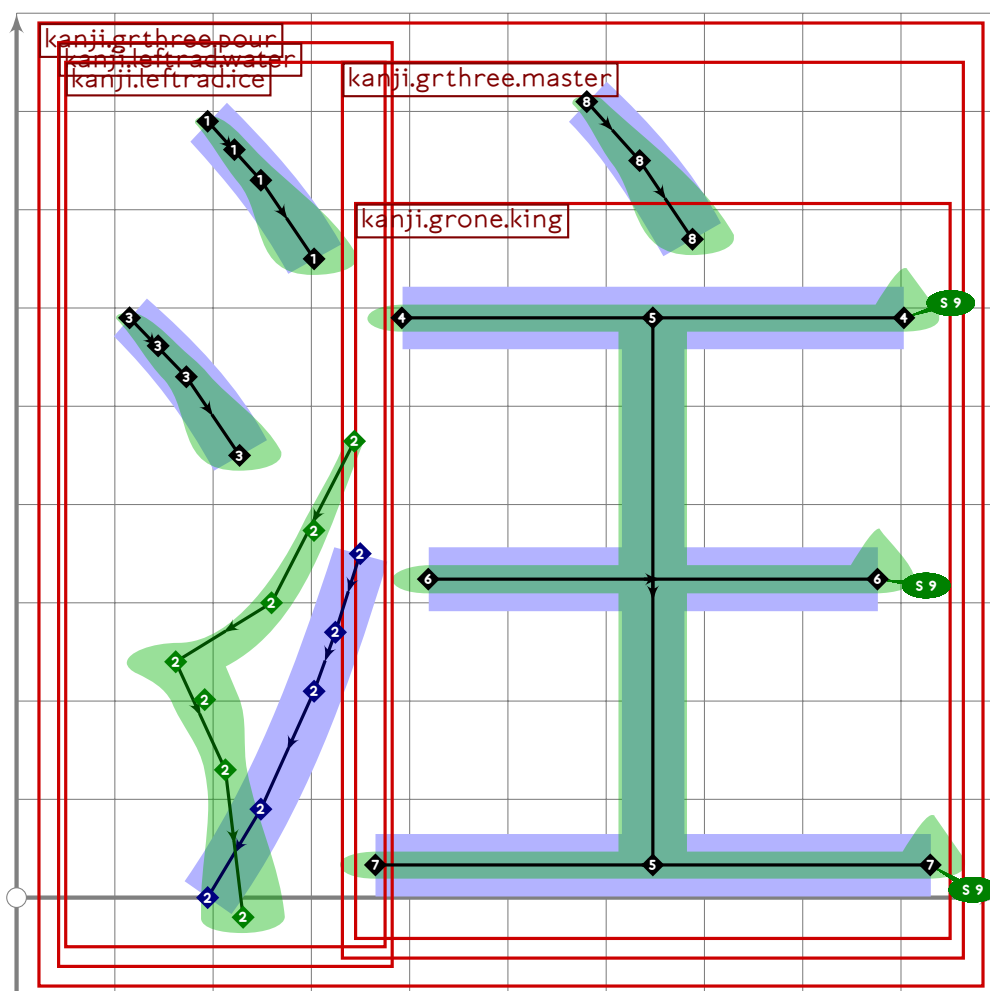
```



```

99
100 vardef kanji.grthree.oil =
101   push_pbox_toexpand("kanji.grthree.oil");
102   build_kanji.lr(360,30)
103     (kanji.leftrad.water)
104     (kanji.grthree.reason);
105   expand_pbox;
106 enddef;

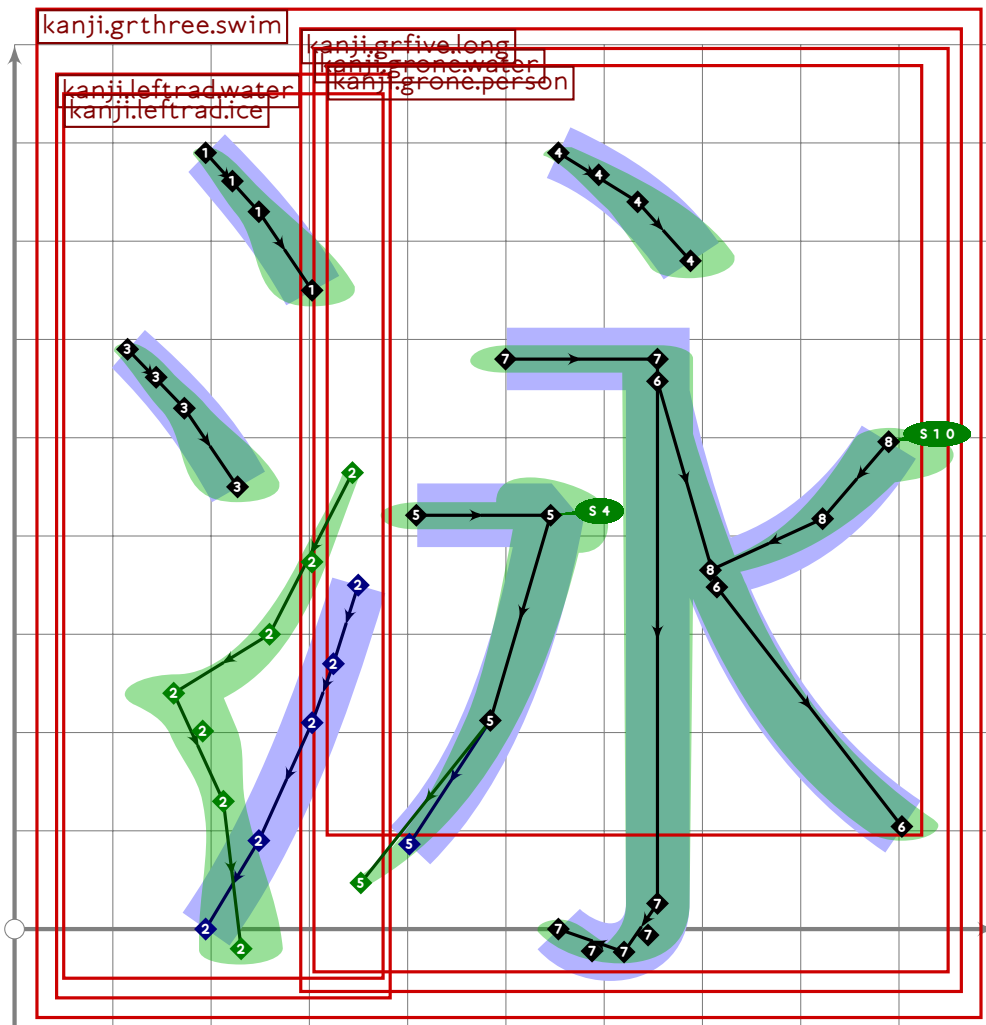
```

```

107
108 vardef kanji.grthree.pour =
109   push_pbox_toexpand("kanji.grthree.pour");
110   build_kanji.lr(360,30)
111     (kanji.leftrad.water)
112     (kanji.grthree.master);
113   expand_pbox;
114 enddef;

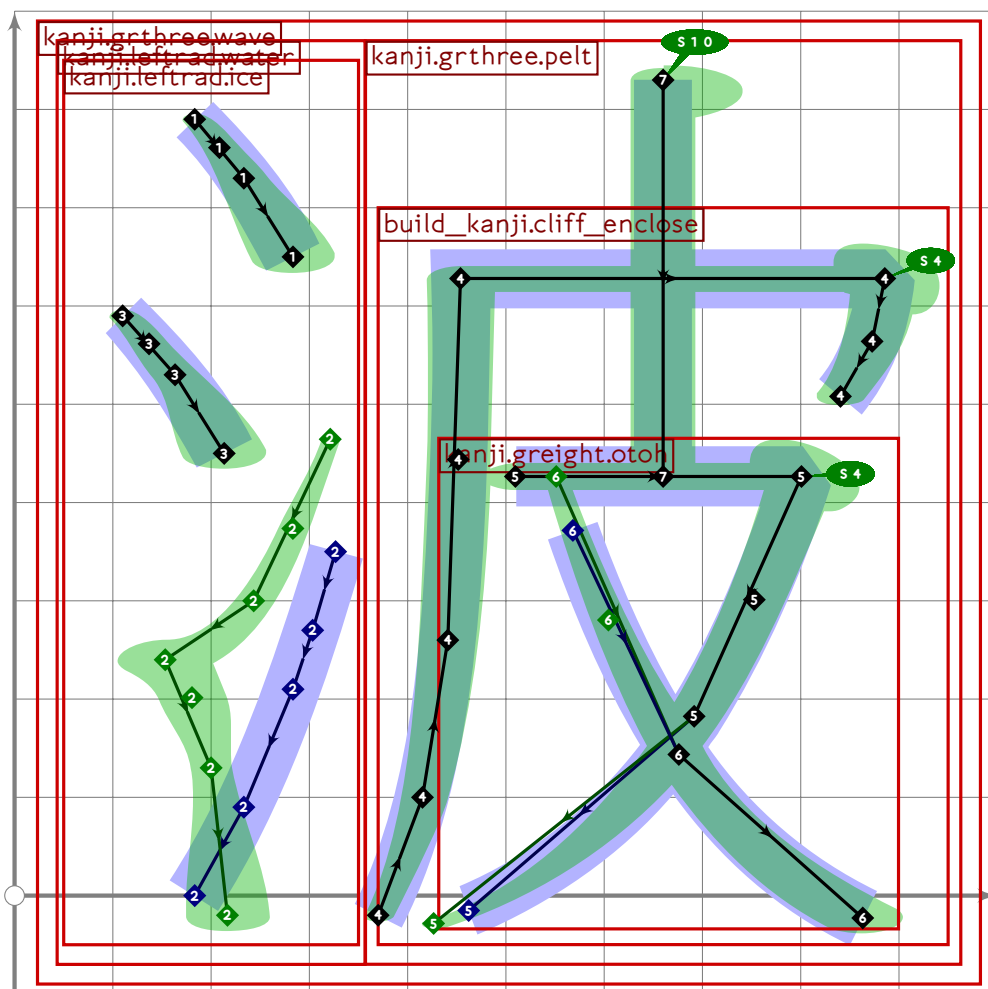
```



```

115
116 vardef kanji.grthree.swim =
117   push_pbox_toexpand("kanji.grthree.swim");
118   build_kanji.lr(360,30)
119     (kanji.leftrad.water)
120     (kanji.grfive.long);
121   expand_pbox;
122 enddef;

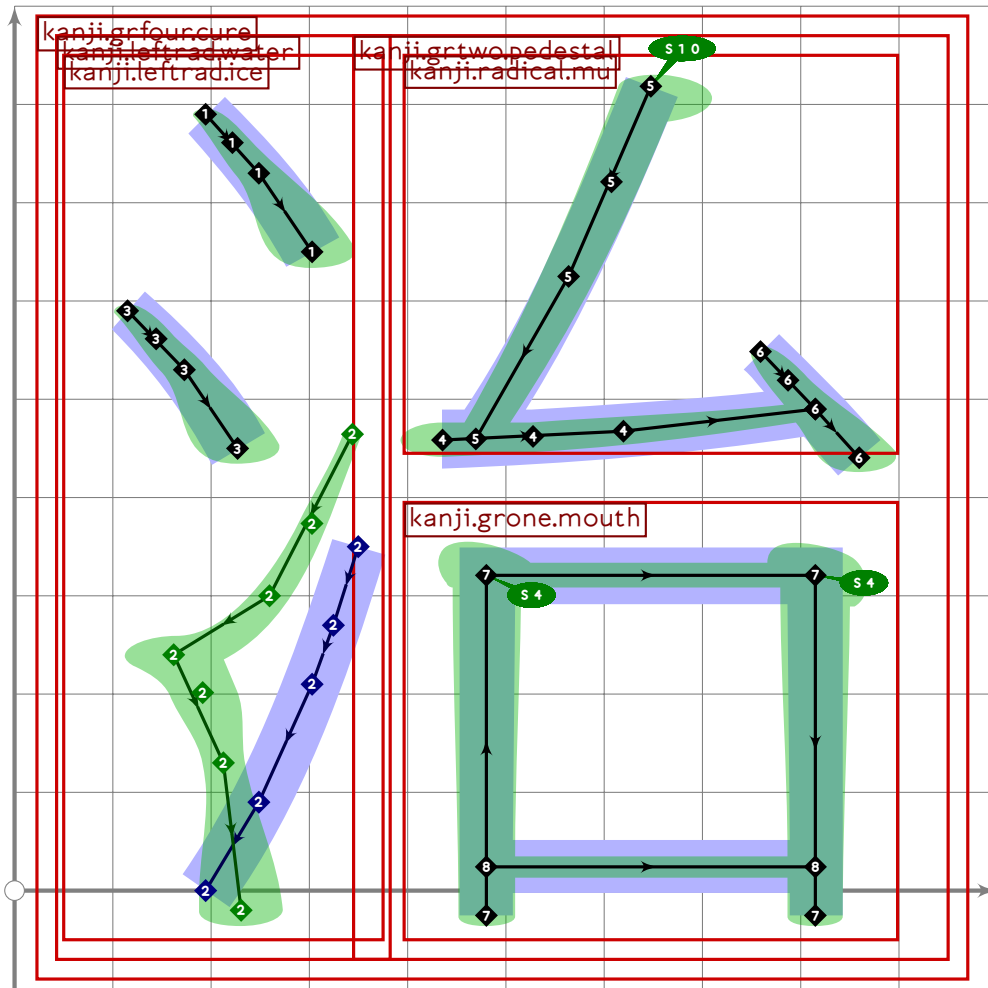
```



```

123
124 vardef kanji.grthree.wave =
125   push_pbox_toexpand("kanji.grthree.wave");
126   build_kanji.lr(360;20)
127     (kanji.leftrad.water)
128     (tsu_xform(identity shifted (0,20))(kanji.grthree.pelt));
129   expand_pbox;
130 enddef;
131
132

```

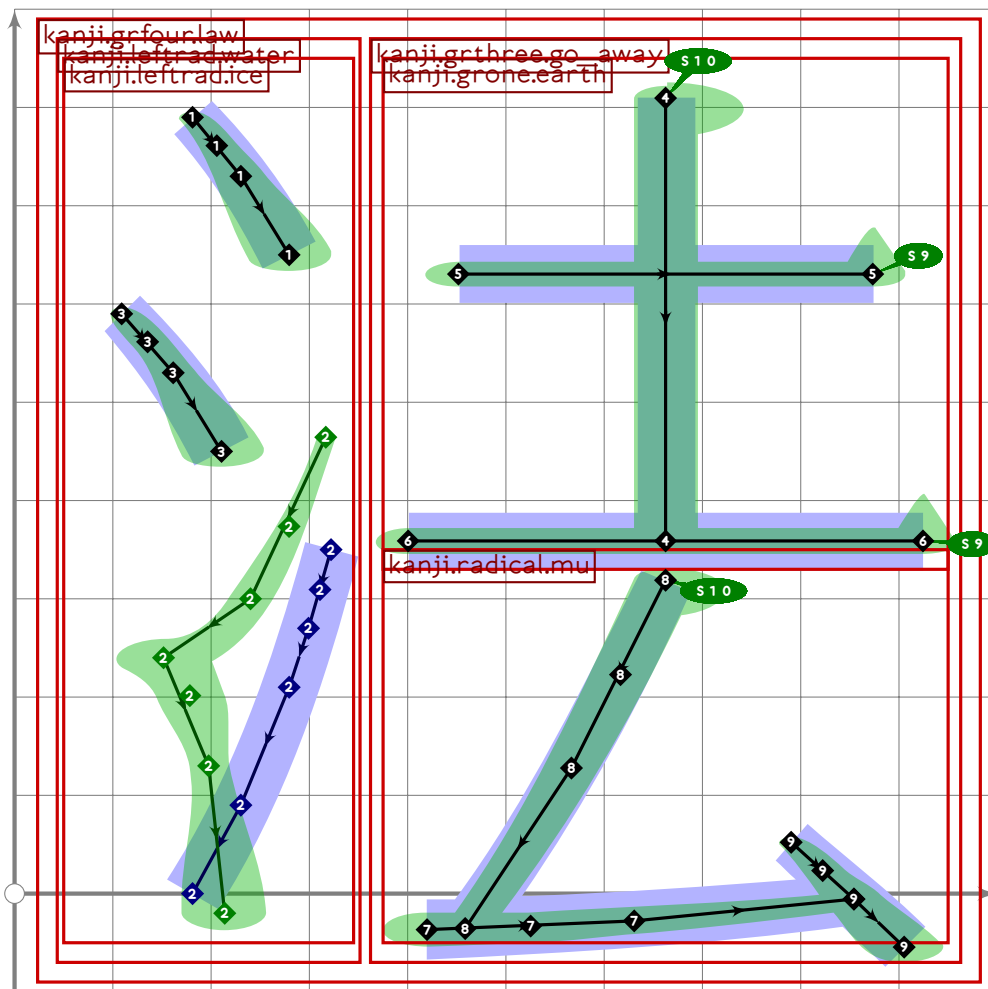


```

133
134 vardef kanji.grfour.cure =
135   push_pbox_toexpand("kanji.grfour.cure");
136   build_kanji.lr(360,30)
137     (kanji.leftrad.water)
138     (kanji.grtwo.pedestal);
139   expand_pbox;
140 enddef;

```

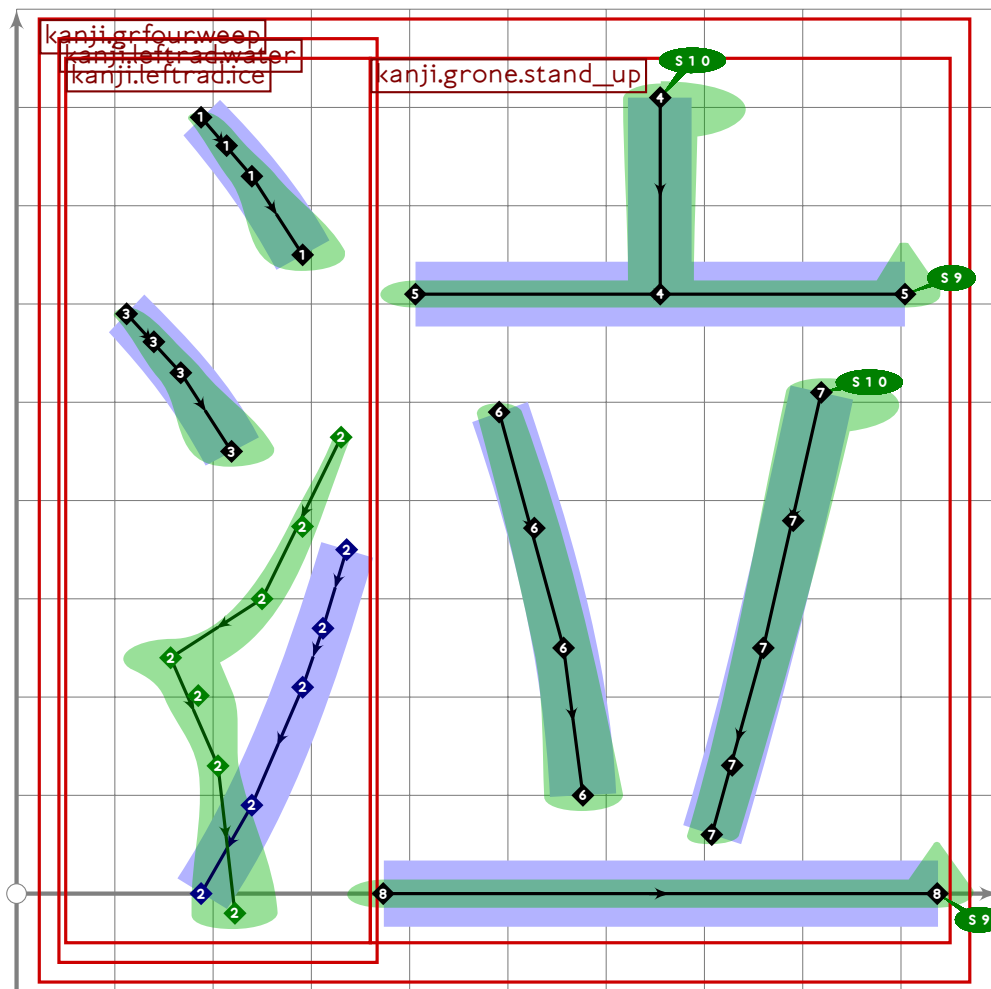
6C



```

141
142 vardef kanji.grfour.law =
143   push_pbox_toexpand("kanji.grfour.law");
144   build_kanji.lr(360;30)
145     (kanji.leftrad.water)
146     (kanji.grthree.go_away);
147   expand_pbox;
148 enddef;

```

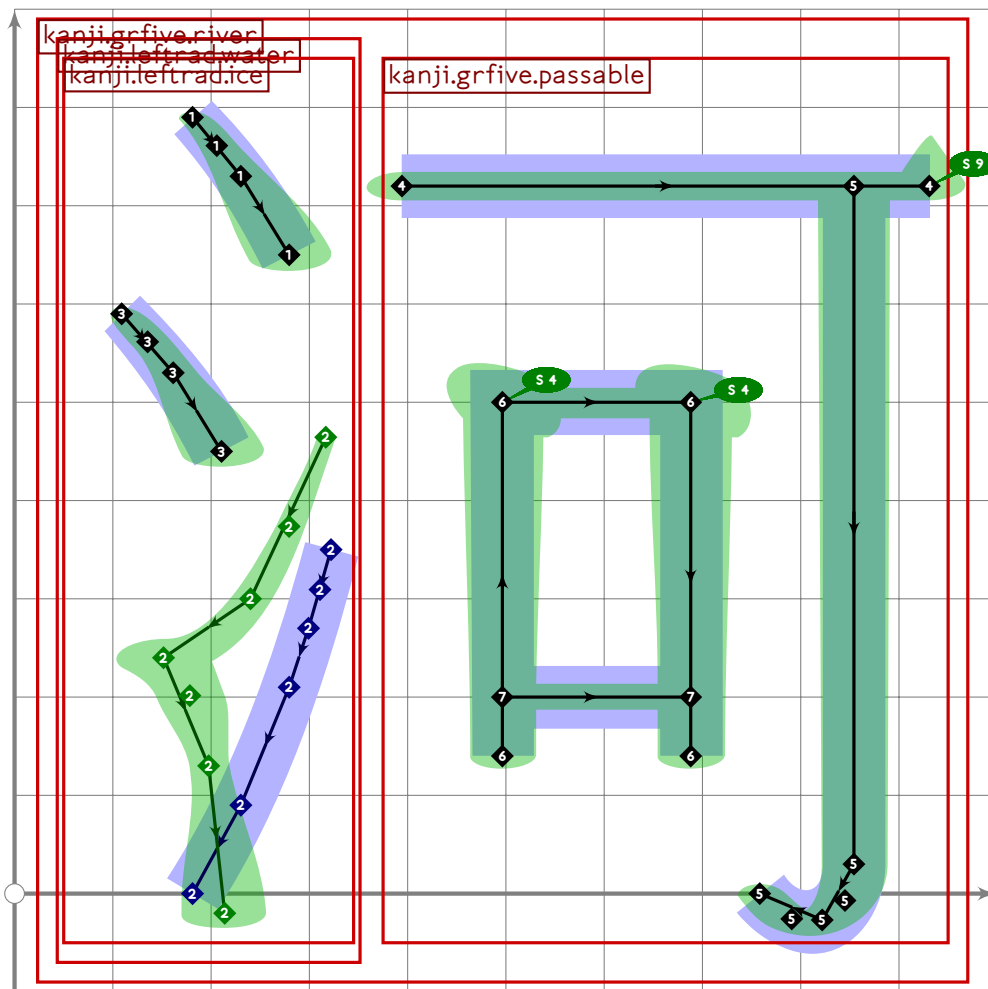


```

149
150 vardef kanji.grfour.weep =
151   push_pbox_toexpand("kanji.grfour.weep");
152   build_kanji.lr(360,0)
153     (kanji.leftrad.water)
154     (kanji.grone.stand_up);
155   expand_pbox;
156 enddef;
157
158

```

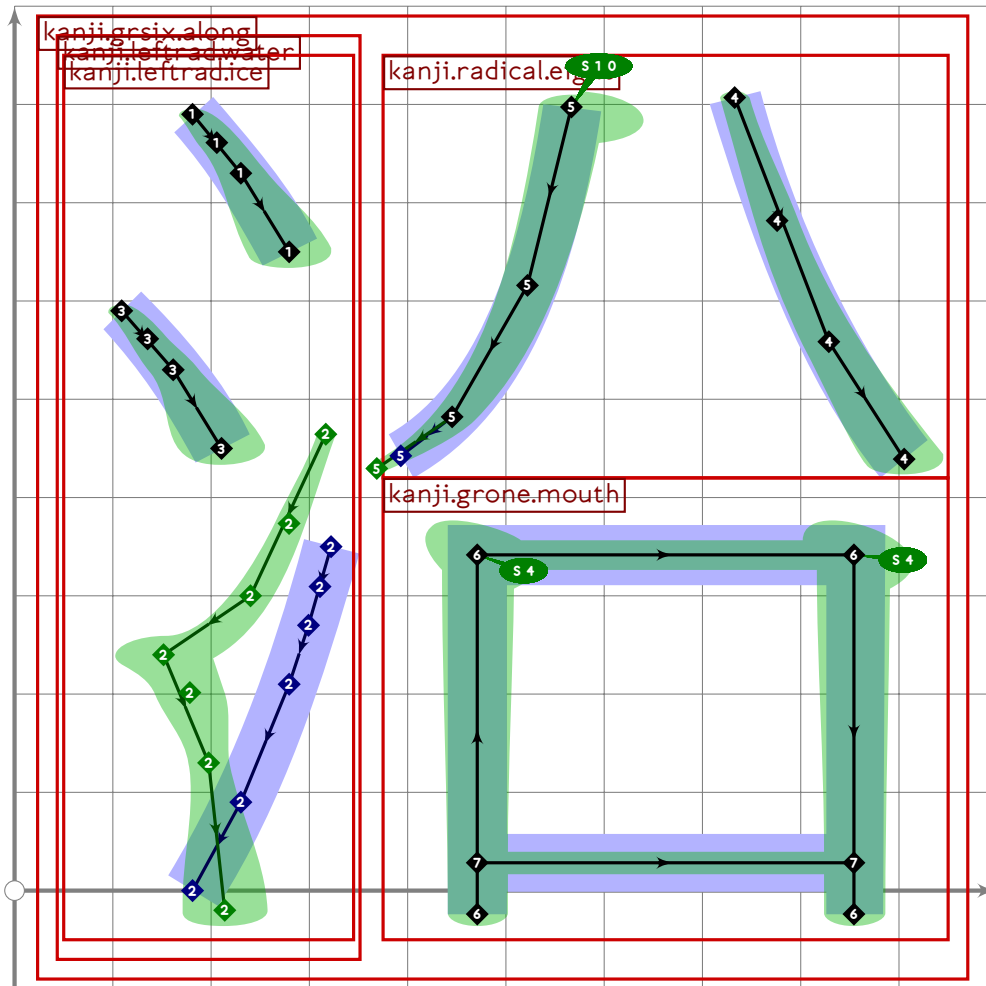
6C



```

159
160 vardef kanji.grfive.river =
161   push_pbox_toexpand("kanji.grfive.river");
162   build_kanji.lr(360;30)
163     (kanji.leftrad.water)
164     (kanji.grfive.passable);
165   expand_pbox;
166 enddef;
167
168

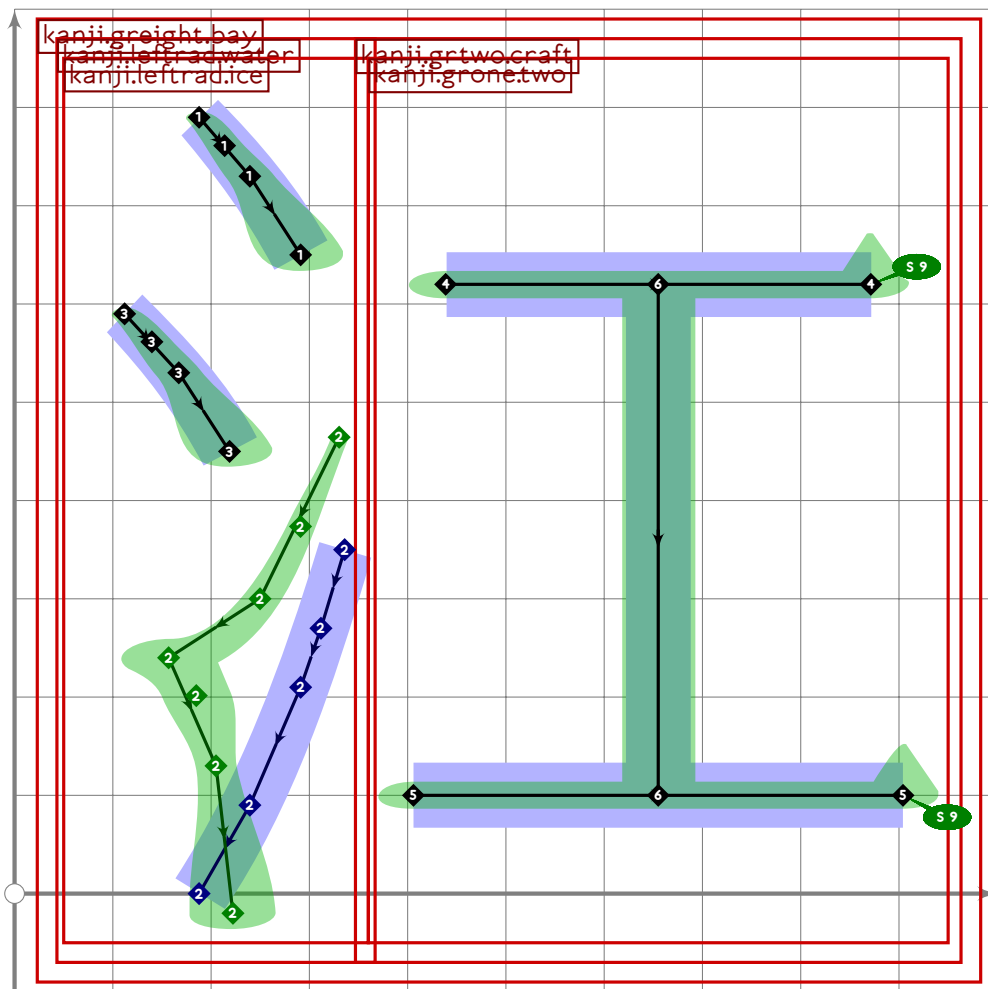
```



```

169
170 vardef kanji.grsix.along =
171   push_pbox_toexpand("kanji.grsix.along");
172   build_kanji.level(build_kanji.lr(360,-30)
173     (kanji.leftrad.water)
174     (build_kanji.tb(420,0)
175       (kanji.radical.eight)
176       (kanji.grone.mouth)));
177   expand_pbox;
178 enddef;
179
180

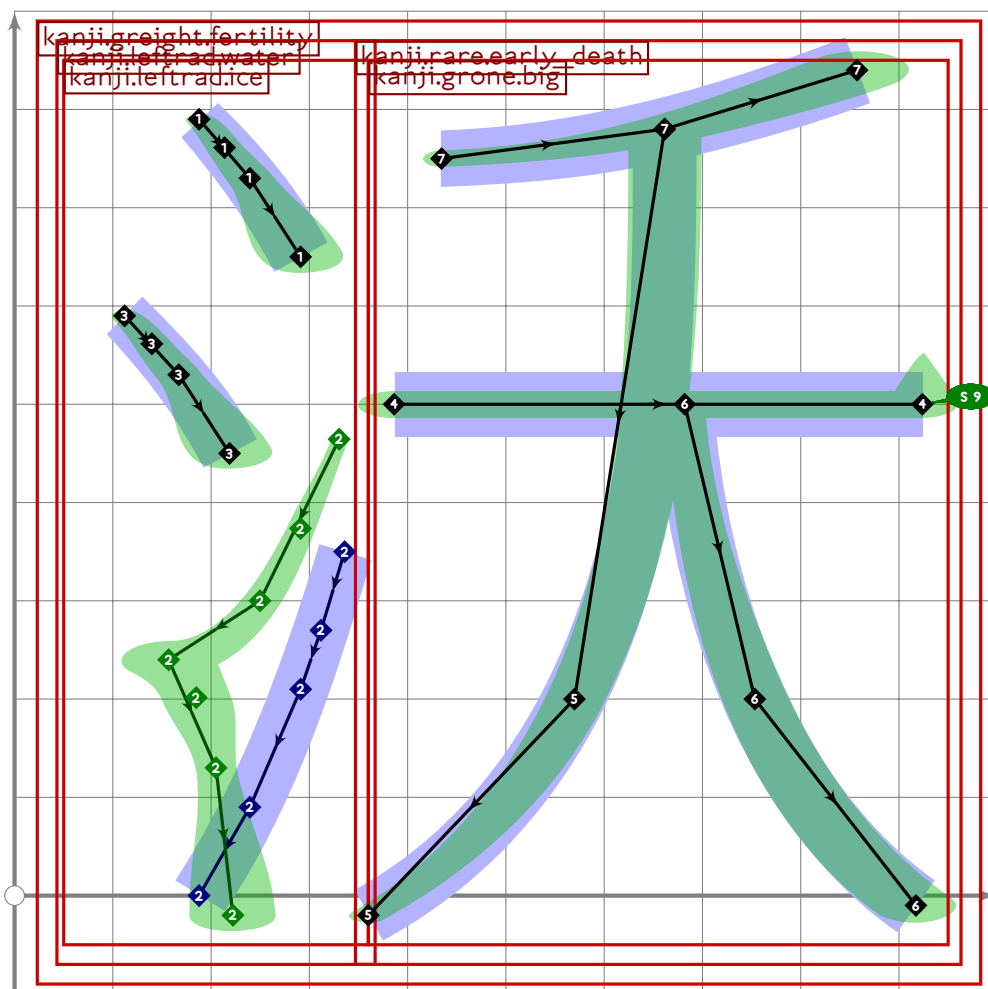
```

```

181
182 vardef kanji.greight.bay =
183   push_pbox_toexpand("kanji.greight.bay");
184   build_kanji.lr(360,0)
185     (kanji.leftrad.water)
186     (kanji.grtwo.craft);
187   expand_pbox;
188 enddef;

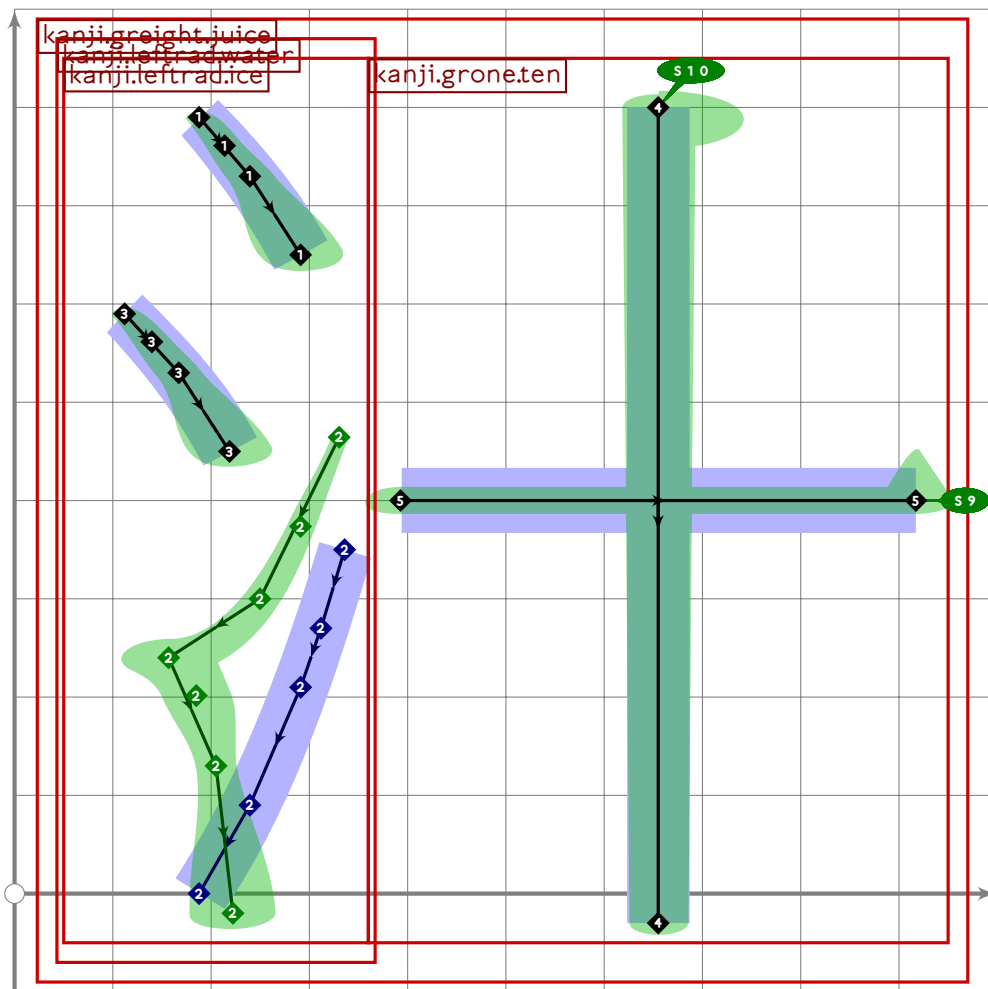
```



```

189
190 vardef kanji.greight.fertility =
191   push_pbox_toexpand("kanji.greight.fertility");
192   build_kanji.lr(360,0)
193     (kanji.leftrad.water)
194     (kanji.rare.early_death);
195   expand_pbox;
196 enddef;

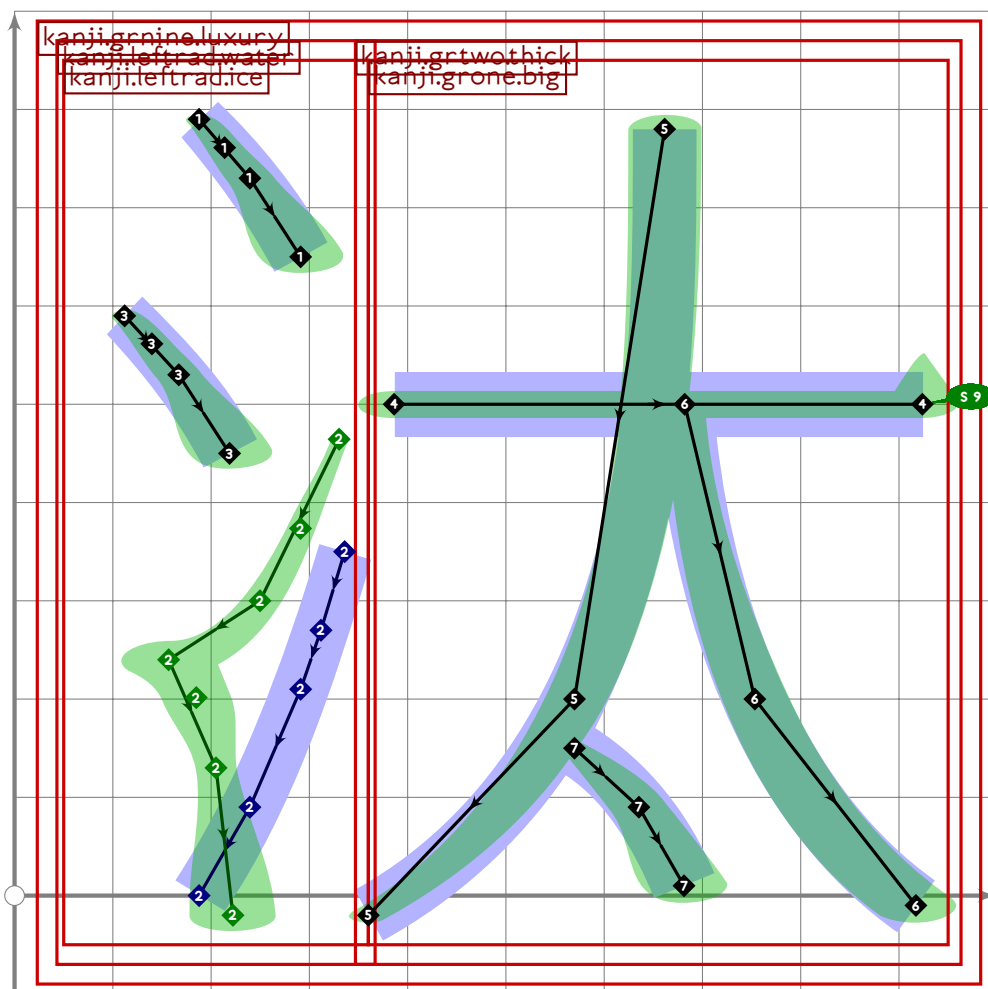
```



```

197
198 vardef kanji.greight.juice =
199   push_pbox_toexpand("kanji.greight.juice");
200   build_kanji.lr(360,0)
201     (kanji.leftrad.water)
202     (kanji.grone.ten);
203   expand_pbox;
204 enddef;
205
206

```



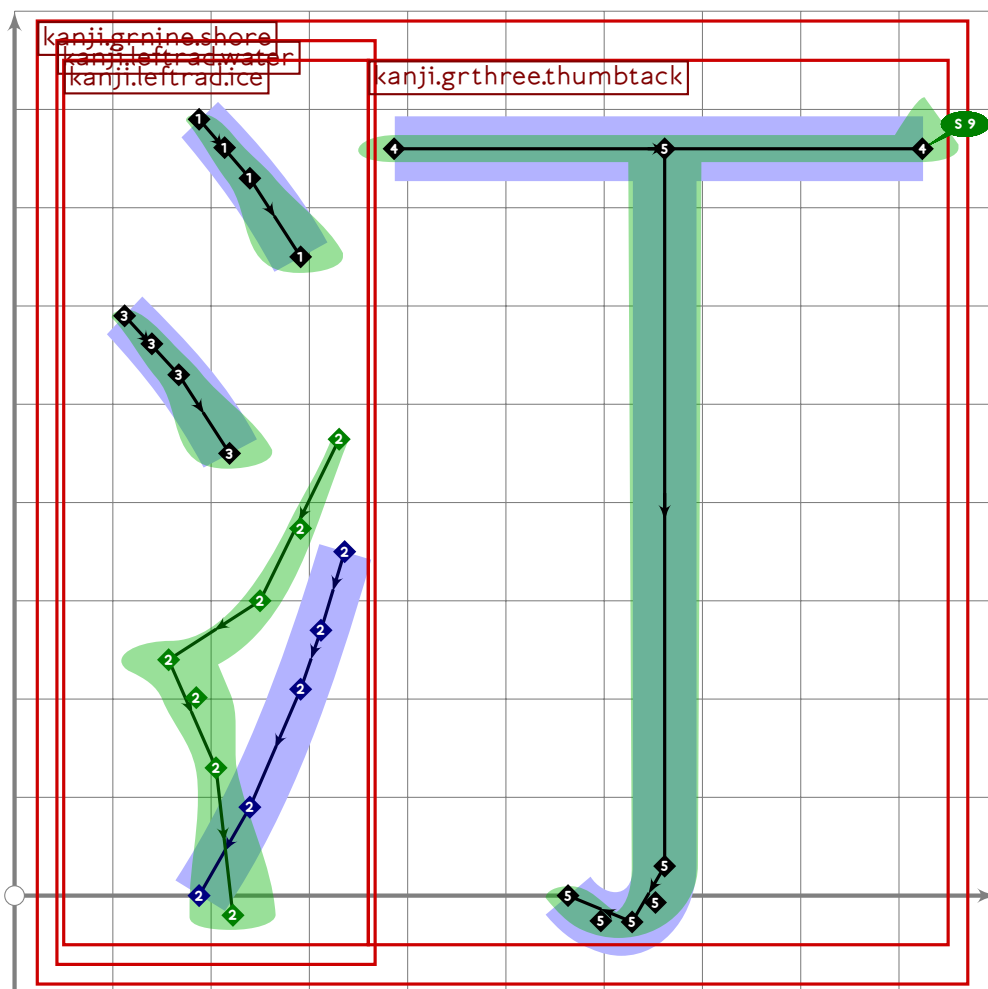
```

207
208 vardef kanji.grnine.luxury =
209   push_pbox_toexpand("kanji.grnine.luxury");
210   build_kanji.lr(360,0)
211     (kanji.leftrad.water)
212     (kanji.grtwo.thick);
213   expand_pbox;
214 enddef;

```

U+6C40
tsuku.uni6C40

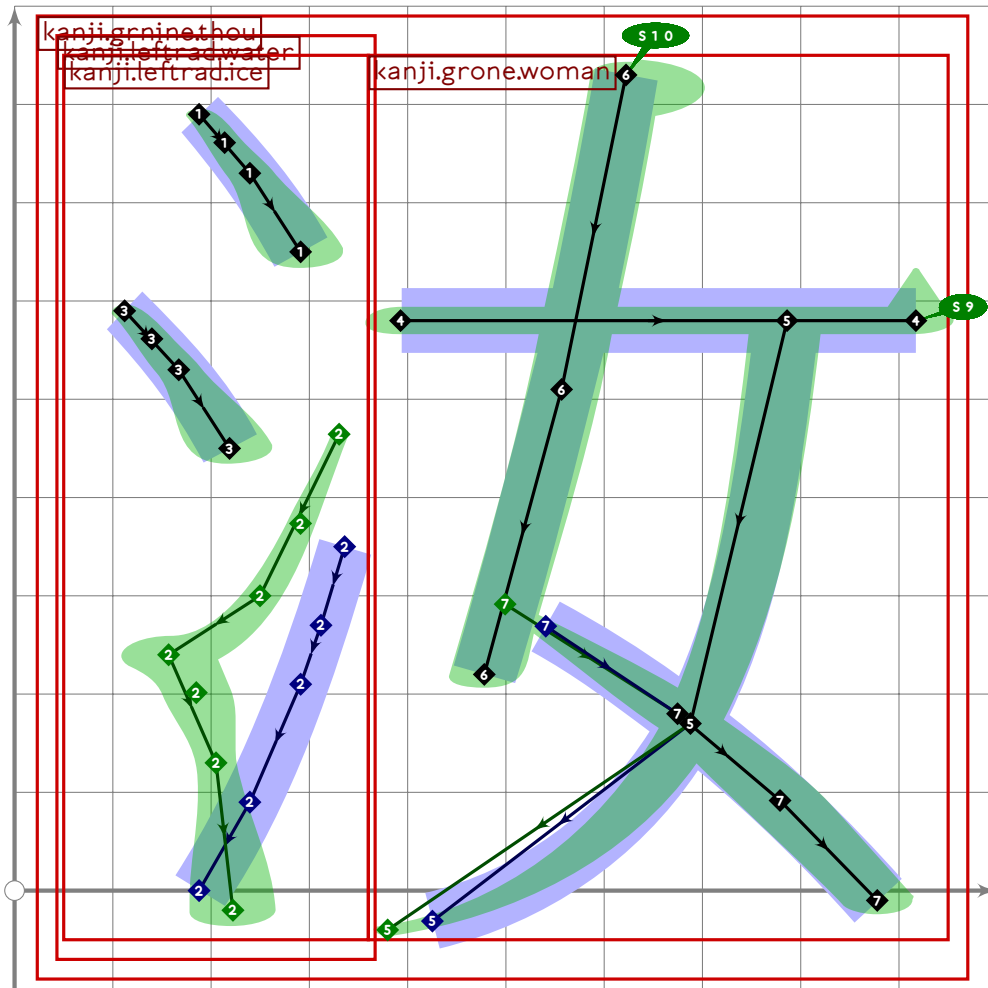
6C



```

215
216 vardef kanji.grnine.shore =
217   push_pbox_toexpand("kanji.grnine.shore");
218   build_kanji.lr(360,0)
219     (kanji.leftrad.water)
220     (kanji.grthree.thumbtack);
221   expand_pbox;
222 enddef;

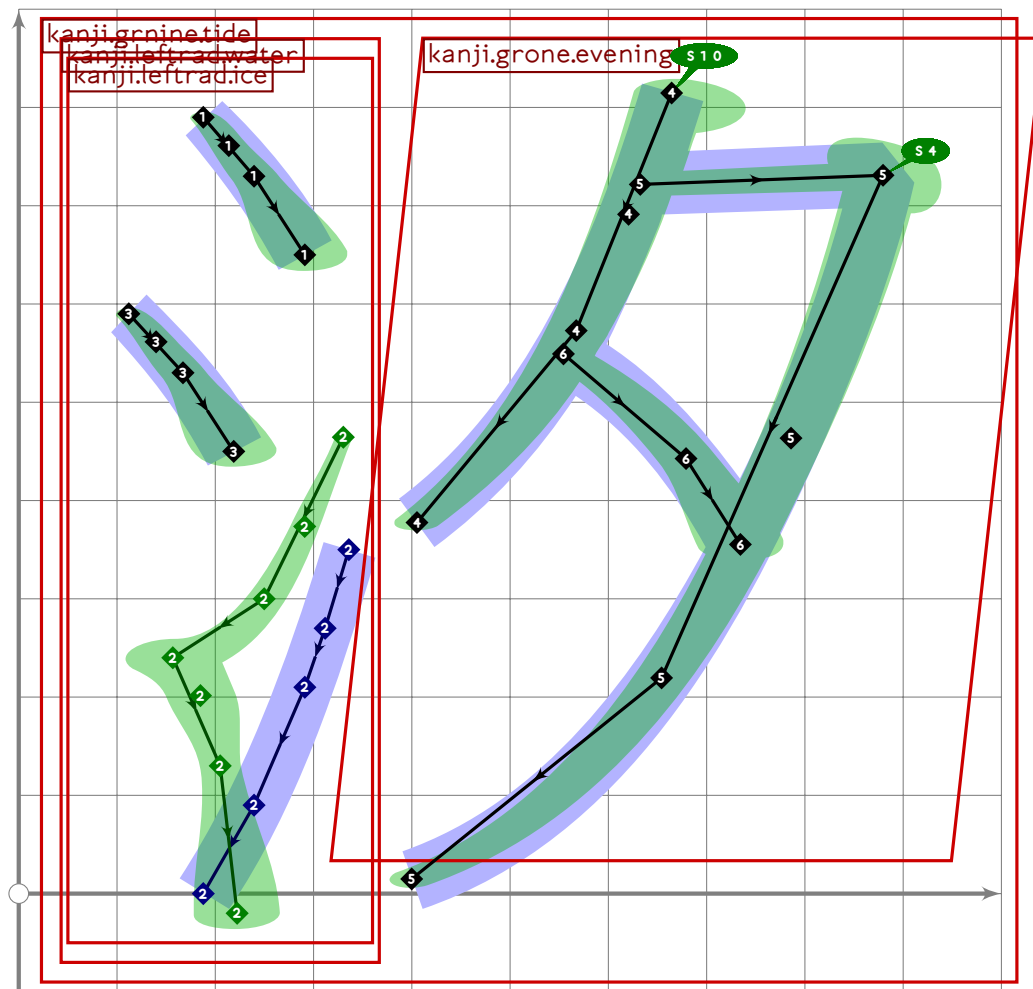
```



```

223
224 vardef kanji.grnine.thou =
225   push_pbox_toexpand("kanji.grnine.thou");
226   build_kanji.lr(360,0)
227     (kanji.leftrad.water)
228     (kanji.grone.woman);
229   expand_pbox;
230 enddef;

```



```

231
232 vardef kanji.grnine.tide =
233   push_pbox_toexpand("kanji.grnine.tide");
234   build_kanji.lr(360,0)
235     (kanji.leftrad.water)
236     (tsu_xform(identity xyscaled (1.07,0.93) slanted 0.17 shifted (-60,80))
237       (kanji.grone.evening));
238   expand_pbox;
239 enddef;

```

240

241

242

243 % shi/uji "clan"

244 begintsuglyph("uni6C0F",15);

[see page 682]

245 kanji.grfour.clan;

246 tsu_render;

247 endtsuglyph;

248

249 % tai/fumoto "name of an ancient tribe"

250 begintsuglyph("uni6C10",16);

[see page 1003]

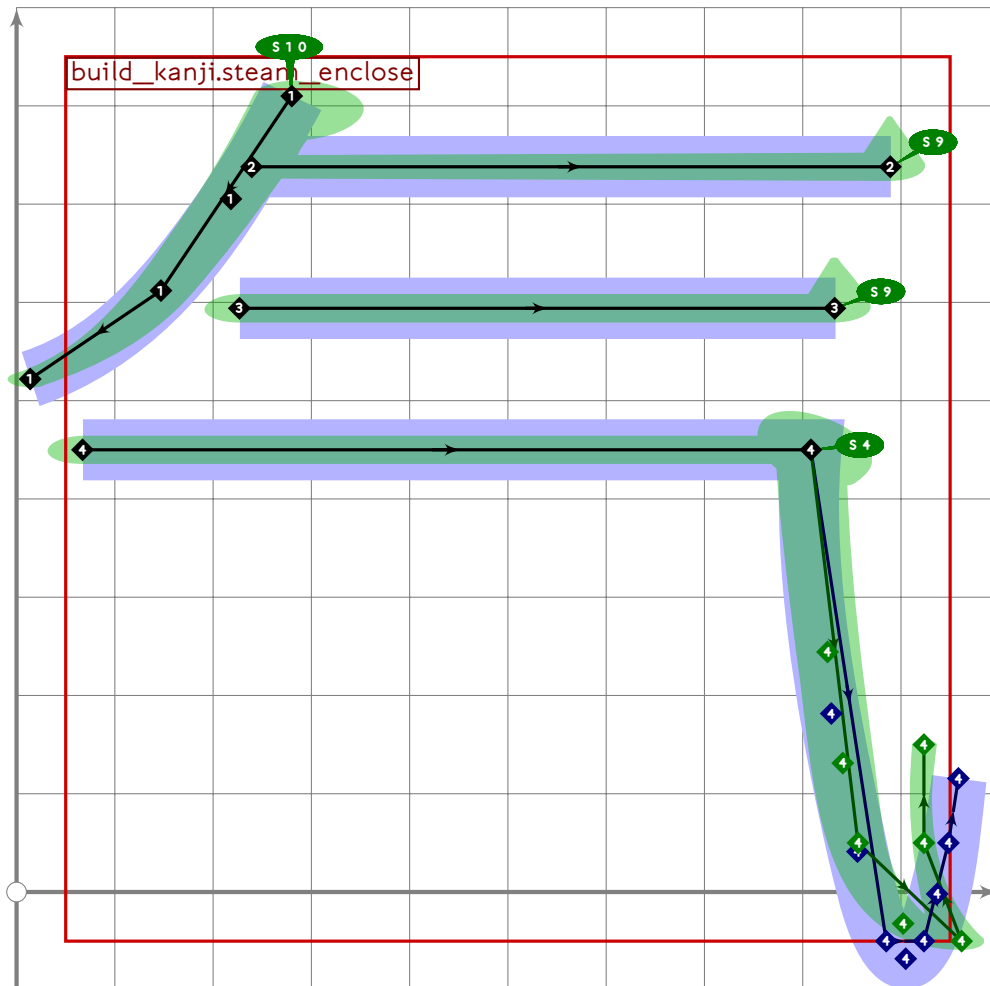
251 kanji.rare.cruithne;

```

252 tsu_render;
253 endtsuglyph;
254
255 % min/tami "people" (but not min as in minna "everybody")
256 begintsuglyph("uni6C11";17);
257 kanji.grfour.people;
258 tsu_render;
259 endtsuglyph;
260

```

[see page 722]

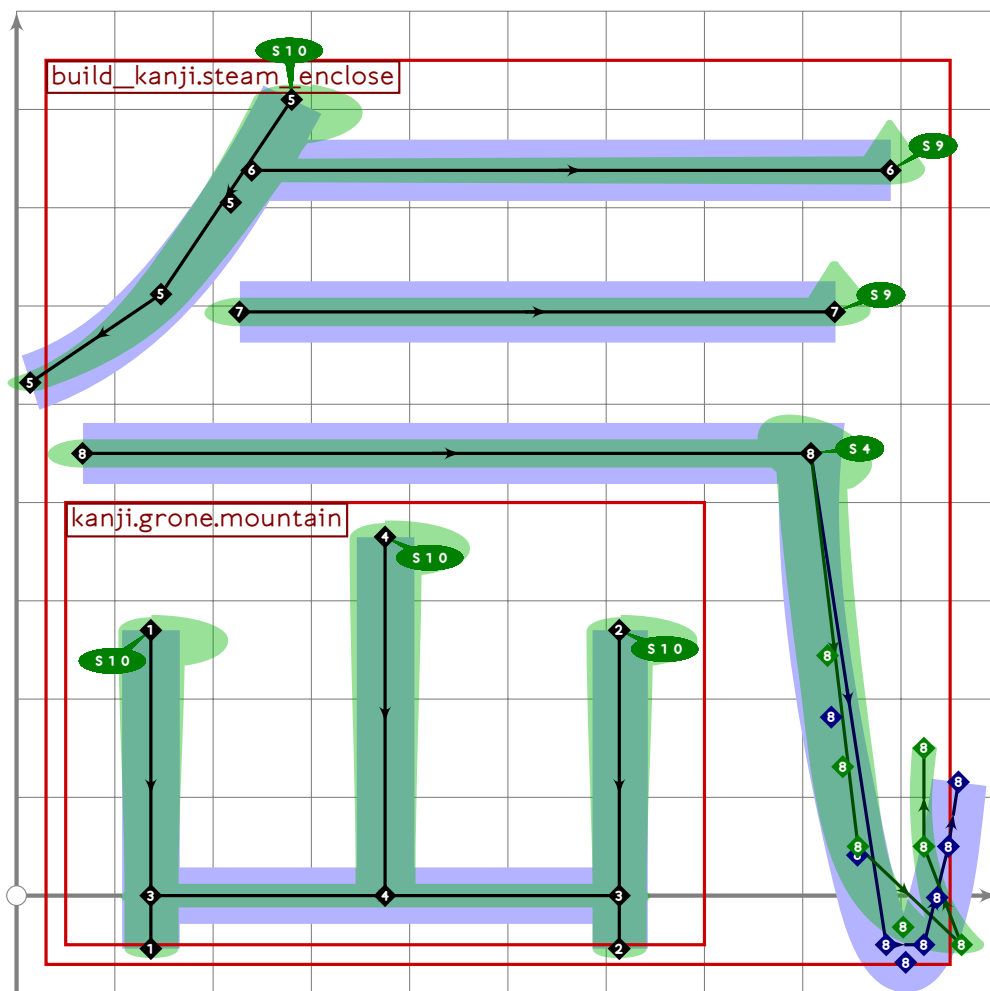


```

261 % sei/tada/machi "correct"
262 begintsuglyph("uni6C14";20);
263 build_kanji.steam_enclose((700,400))();
264 tsu_render;
265 endtsuglyph;
266
267 % ki/iki "spirit"
268 begintsuglyph("uni6C17";23);
269 kanji.grone.spirit;
270 tsu_render;
271 endtsuglyph;
272

```

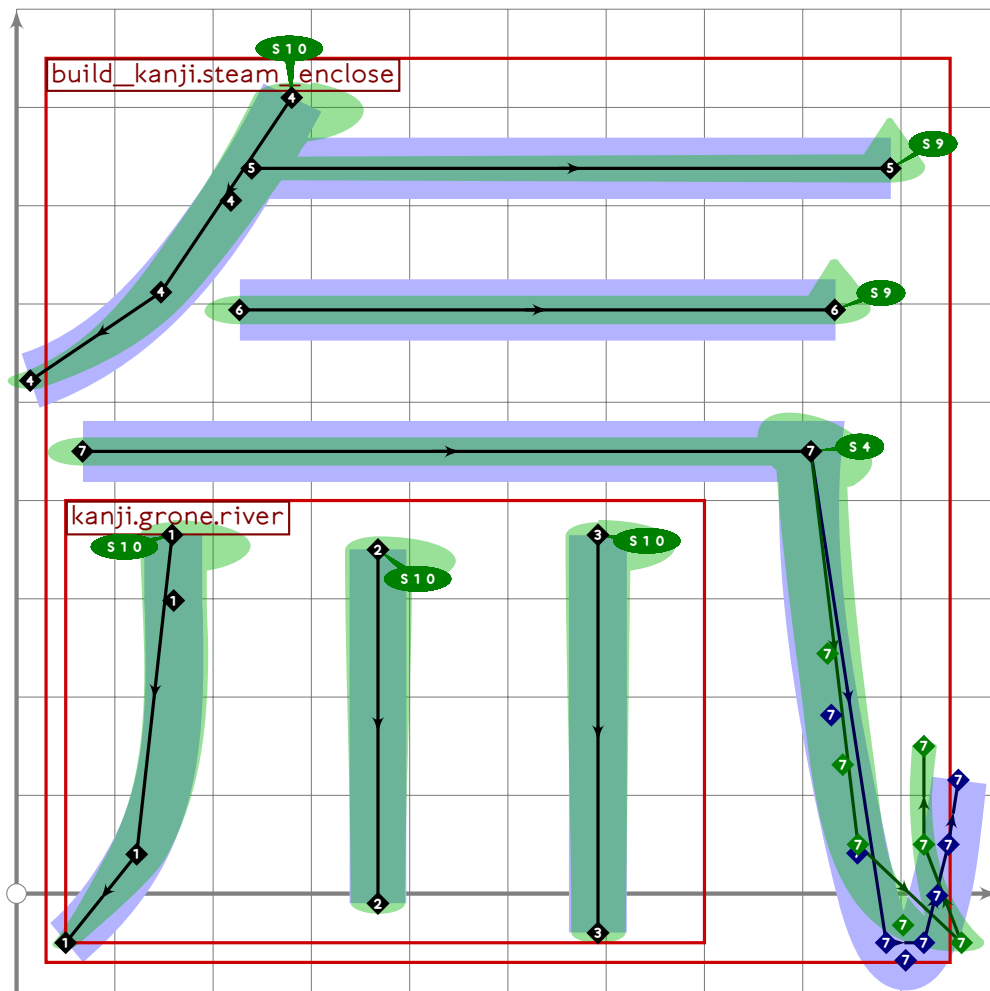
[see page 3018]



```

273 % extra
274 beginsuglyph("uni6C19";25);
275   build_kanji.steam_enclose((700,400))(kanji.grone.mountain);
276   tsu_render;
277 endsuglyph;
278

```



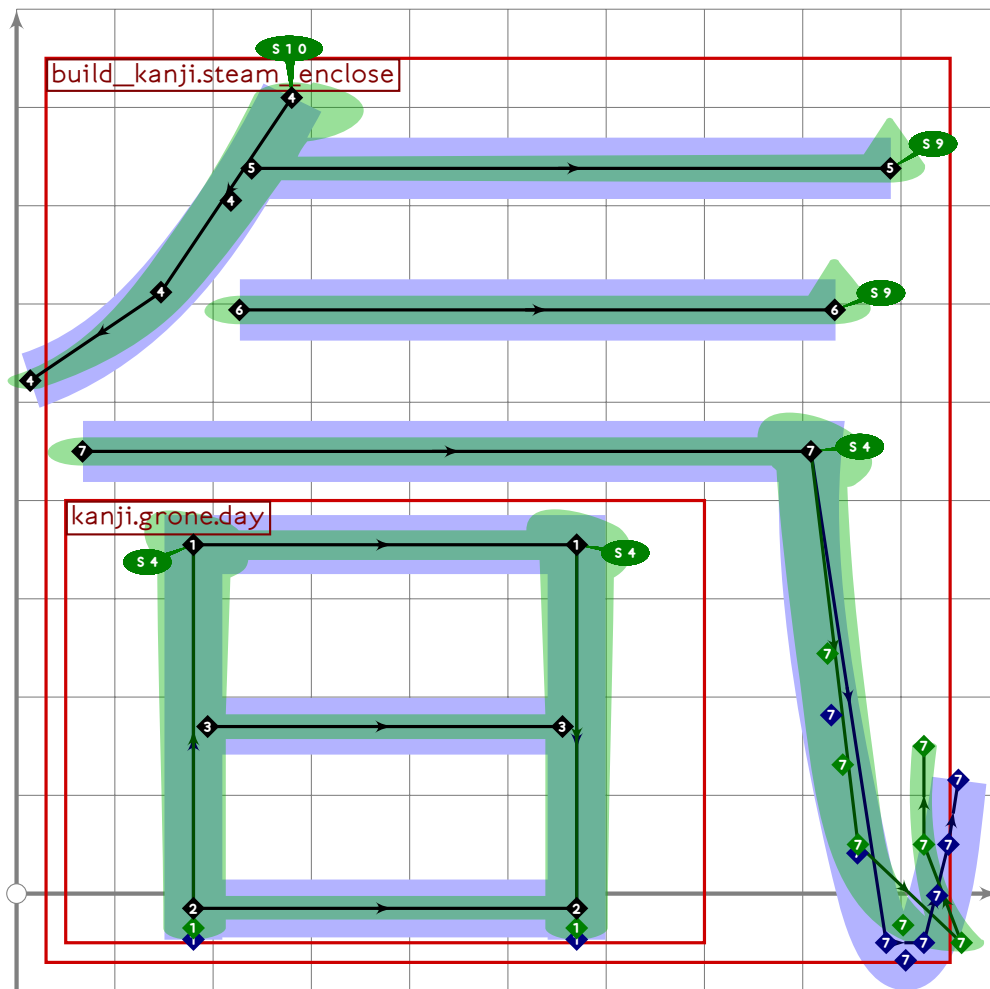
```

279 % extra
280 beginsuglyph("uni6C1A";26);
281   build_kanji.steam_enclose((700,400))(kanji.grone.river);
282   tsu_render;
283 endsuglyph;
284

```

U+6C1C
tsuku.uni6C1C

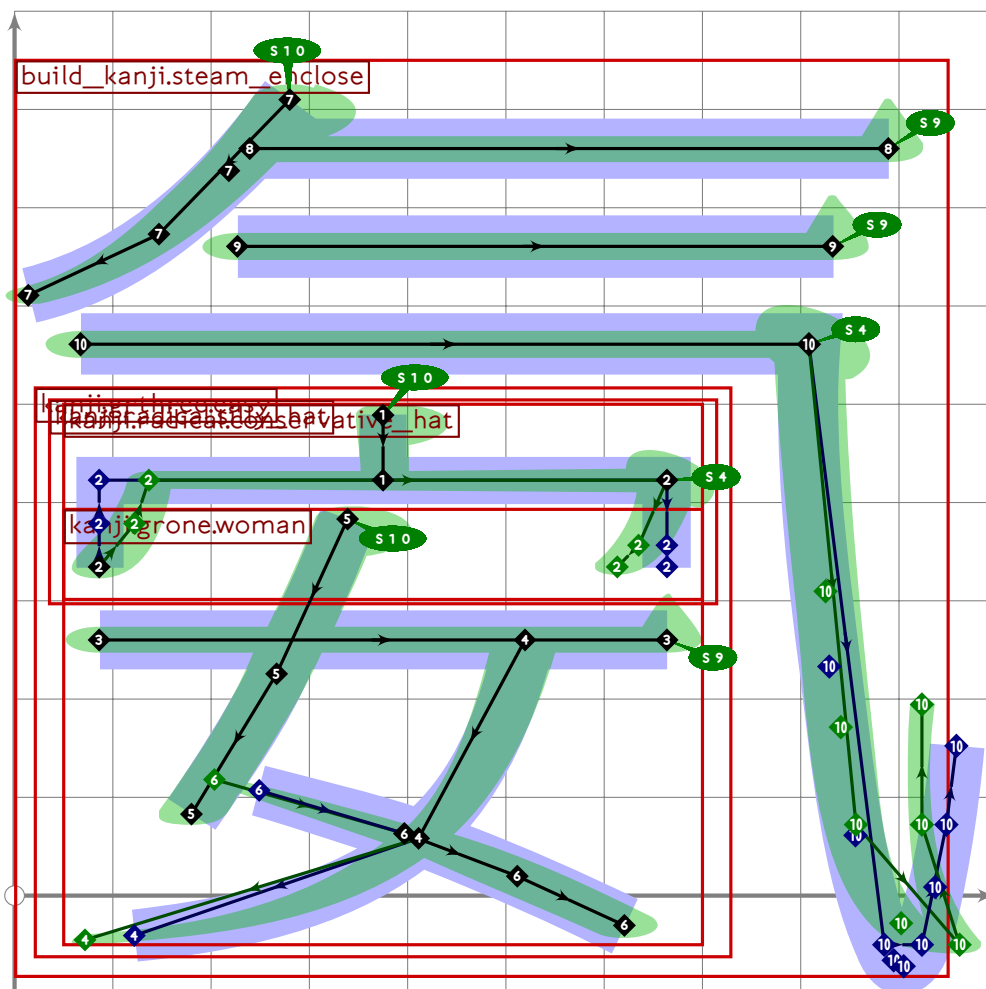
6C



```

285 % extra
286 beginsuglyph("uni6C1C";28);
287   build_kanji.steam_enclose((700,400))(kanji.grone.day);
288   tsu_render;
289 endtsuglyph;
290

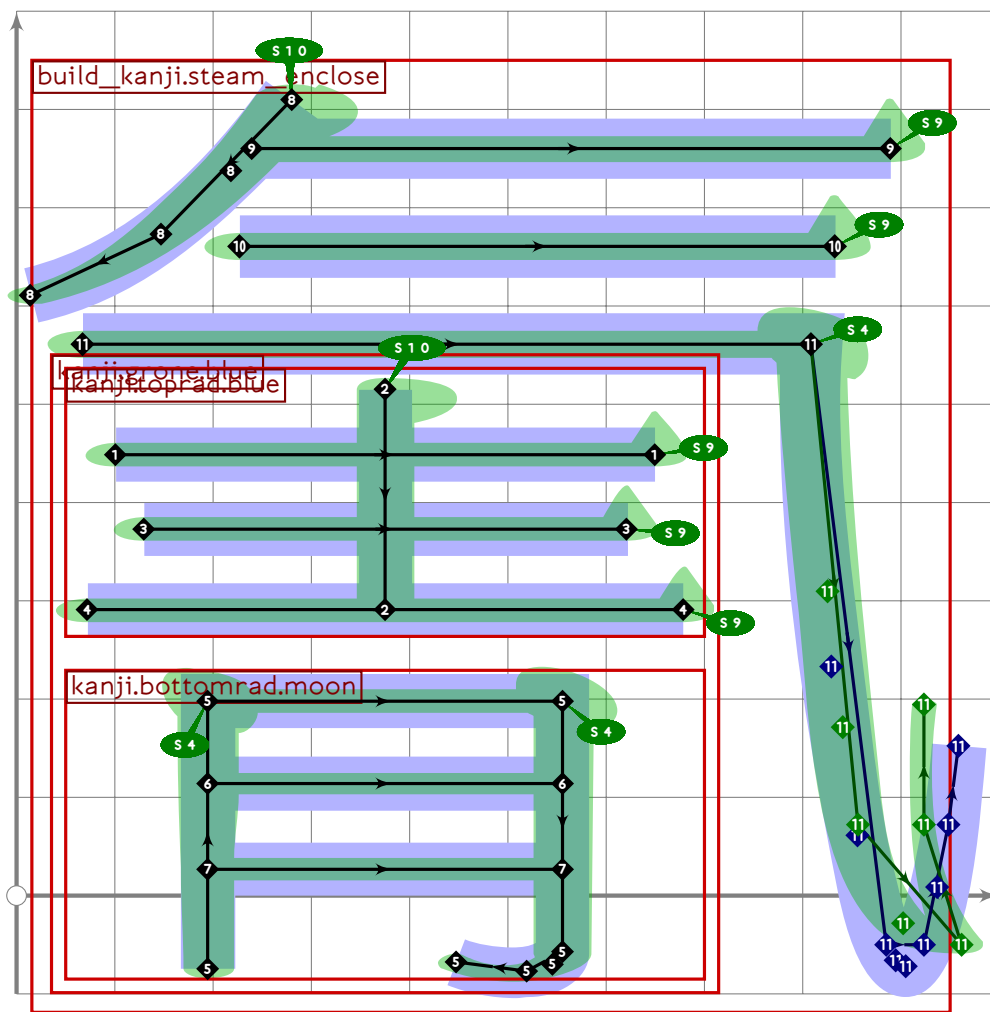
```



```

291 % extra
292 beginsuglyph("uni6C28"40);
293   build_kanji.steam_enclose((700,500))(kanji.grthree.easy);
294   tsu_render;
295 endsuglyph;
296

```

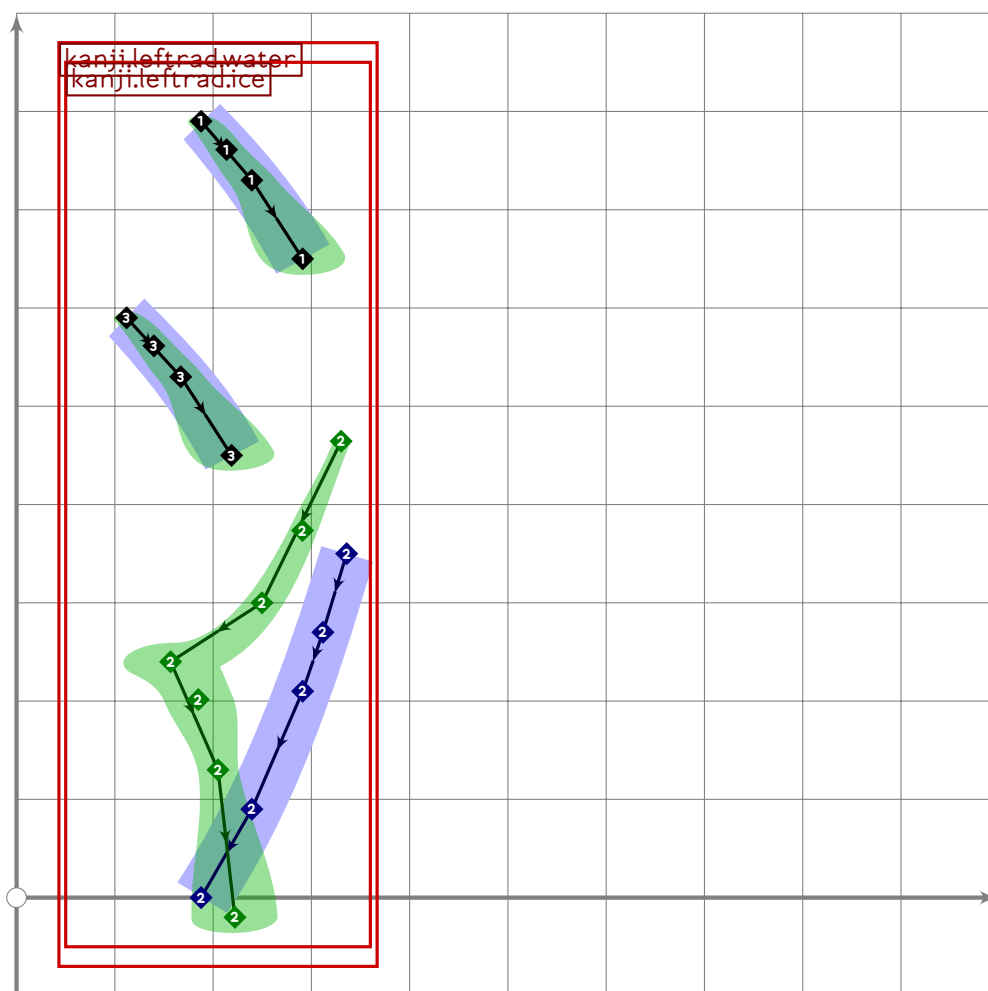


```

297 % extra
298 begintsuglyph("uni6C30";48);
299   build_kanji.steam_enclose((700,500))
300     (build_kanji.sscale(yscaled 1.13)(kanji.grone.blue));
301   tsu_render;
302 endtsuglyph;
303
304 % sui/mizu "water"
305 begintsuglyph("uni6C34";52);
306   kanji.grone.water;
307   tsu_render;
308 endtsuglyph;
309

```

[see page 485]



```

310 % extra "water side radical"
311 begintsuglyph("uni6C35",53);
312   build_kanji.lr(360,0)
313     (kanji.leftrad.water)
314   ();
315   tsu_render;
316 endtsuglyph;
317
318 % hyou/koori "ice"
319 begintsuglyph("uni6C37",55);
320   kanji.grthree.ice;
321   tsu_render;
322 endtsuglyph;
323
324 % ei/naga "long"
325 begintsuglyph("uni6C38",56);
326   kanji.grfive.long;
327   tsu_render;
328 endtsuglyph;
329
330 % water radical variant

```

[see page 3022]

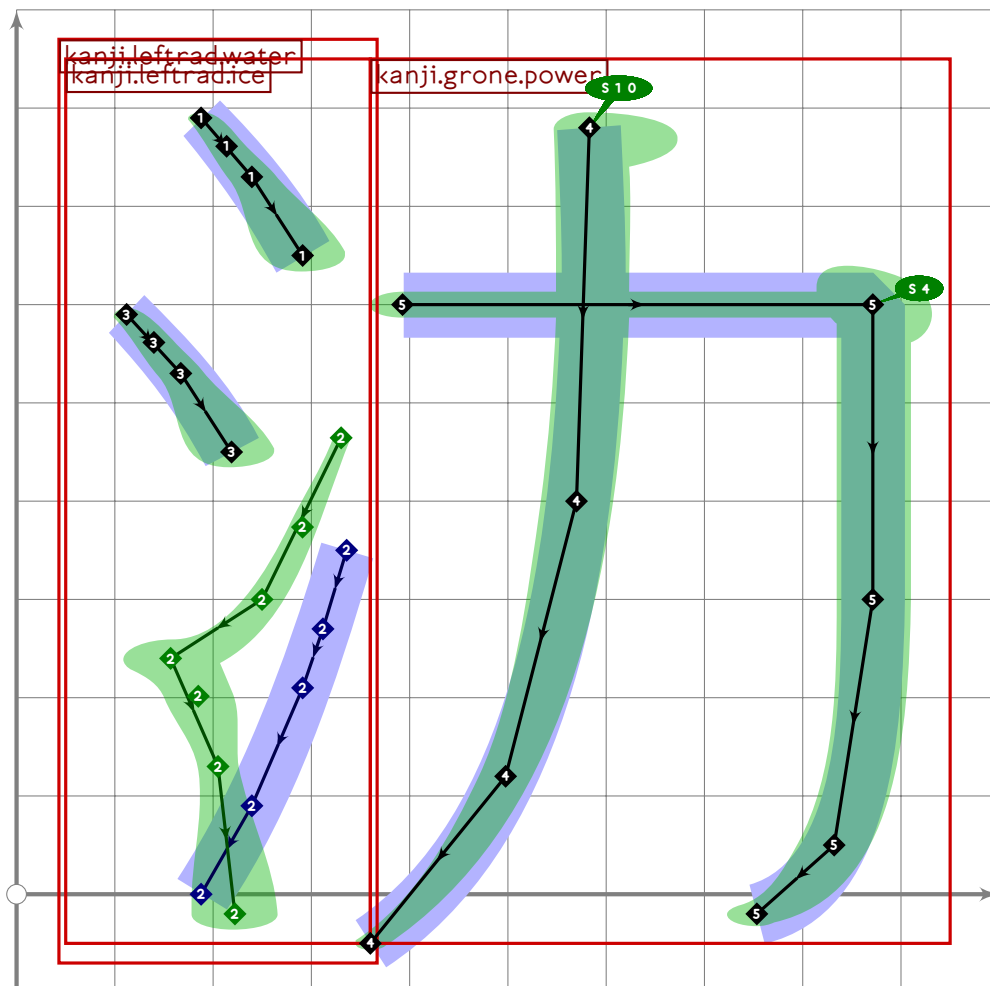
[see page 762]

U+6C3B
tsuku.uni6C3B

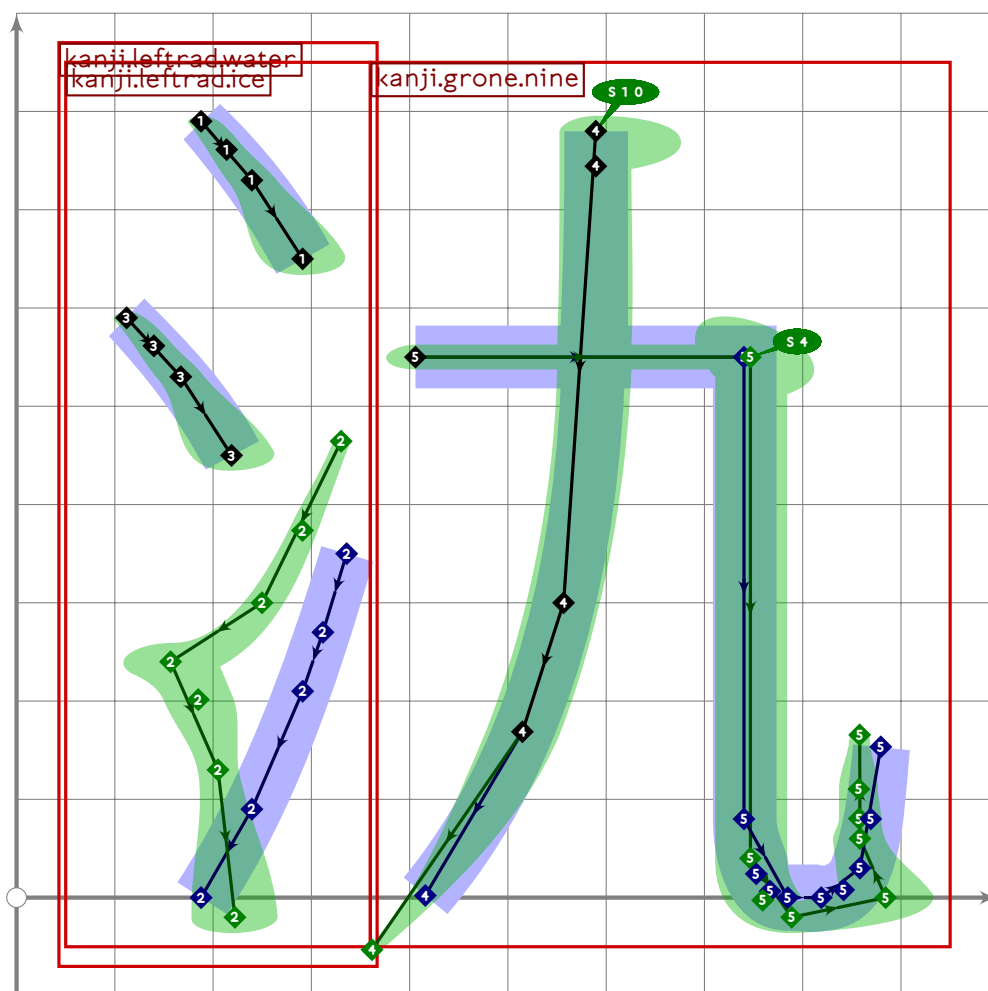
[see page 823]

6C

```
331 begintsuglyph("uni6C3A";58);
332 kanji.radical.alt_water;
333 tsu_render;
334 endtsuglyph;
335
```



```
336 % extra
337 begintsuglyph("uni6C3B";59);
338 build_kanji.lr(360,0)
339 (kanji.leftrad.water)
340 (kanji.grone.power);
341 tsu_render;
342 endtsuglyph;
343
```



```

344 % extra
345 begintsuglyph("uni6C3F";63);
346   build_kanji.lr(360,0)
347     (kanji.leftrad.water)
348     (kanji.grone.nine);
349   tsu_render;
350 endtsuglyph;
351
352 % tei/migiwa "shore"
353 begintsuglyph("uni6C40";64);
354   kanji.grnine.shore;
355   tsu_render;
356 endtsuglyph;
357
358 % juu/shiru "juice" or "soup"
359 begintsuglyph("uni6C41";65);
360   kanji.greight.juice;
361   tsu_render;
362 endtsuglyph;
363
364 % gyuu/moto "request"

```

[see page 3036]

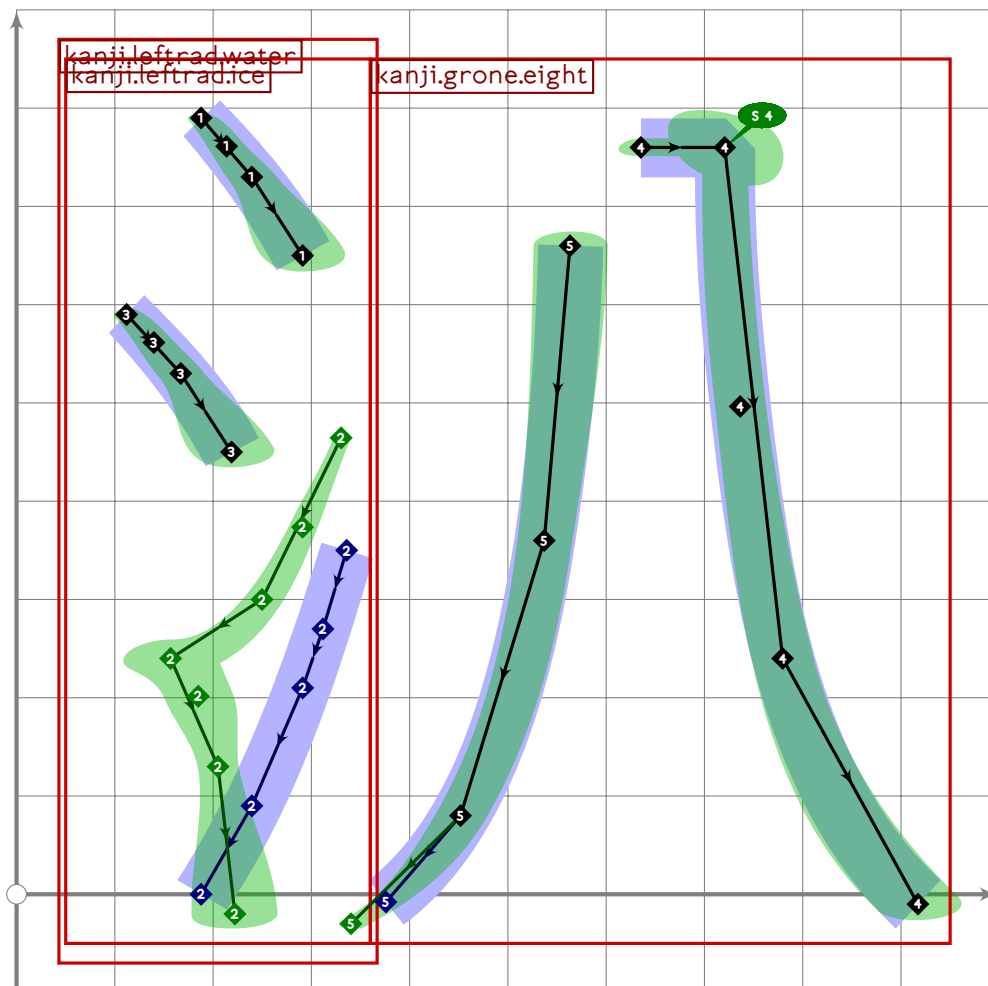
[see page 3034]

U+6C43
tsuku.uni6C43

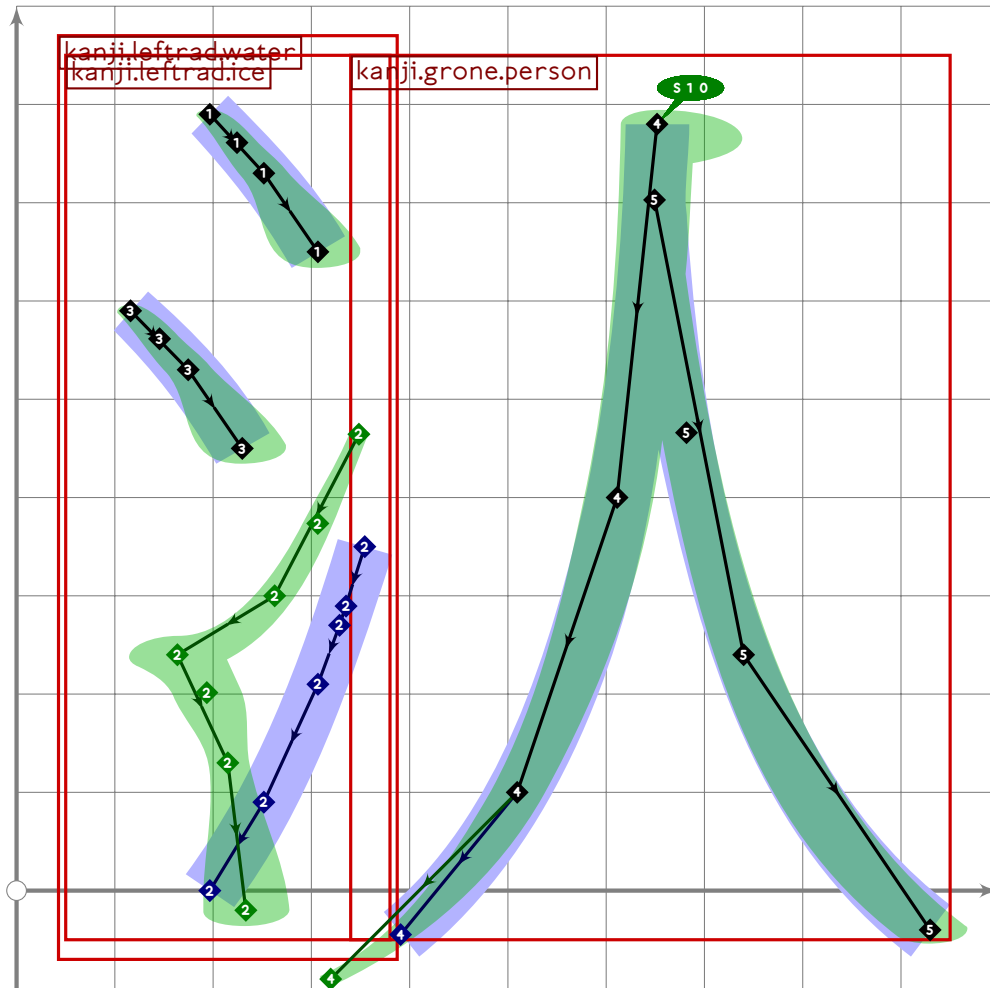
[see page 728]

6C

```
365 begintsuglyph("uni6C42";66);  
366 kanji.grfour.request;  
367 tsu_render;  
368 endtsuglyph;  
369
```



```
370 % extra  
371 begintsuglyph("uni6C43";67);  
372 build_kanji.lr(360,0)  
373 (kanji.leftrad.water)  
374 (kanji.grone.eight);  
375 tsu_render;  
376 endtsuglyph;  
377
```



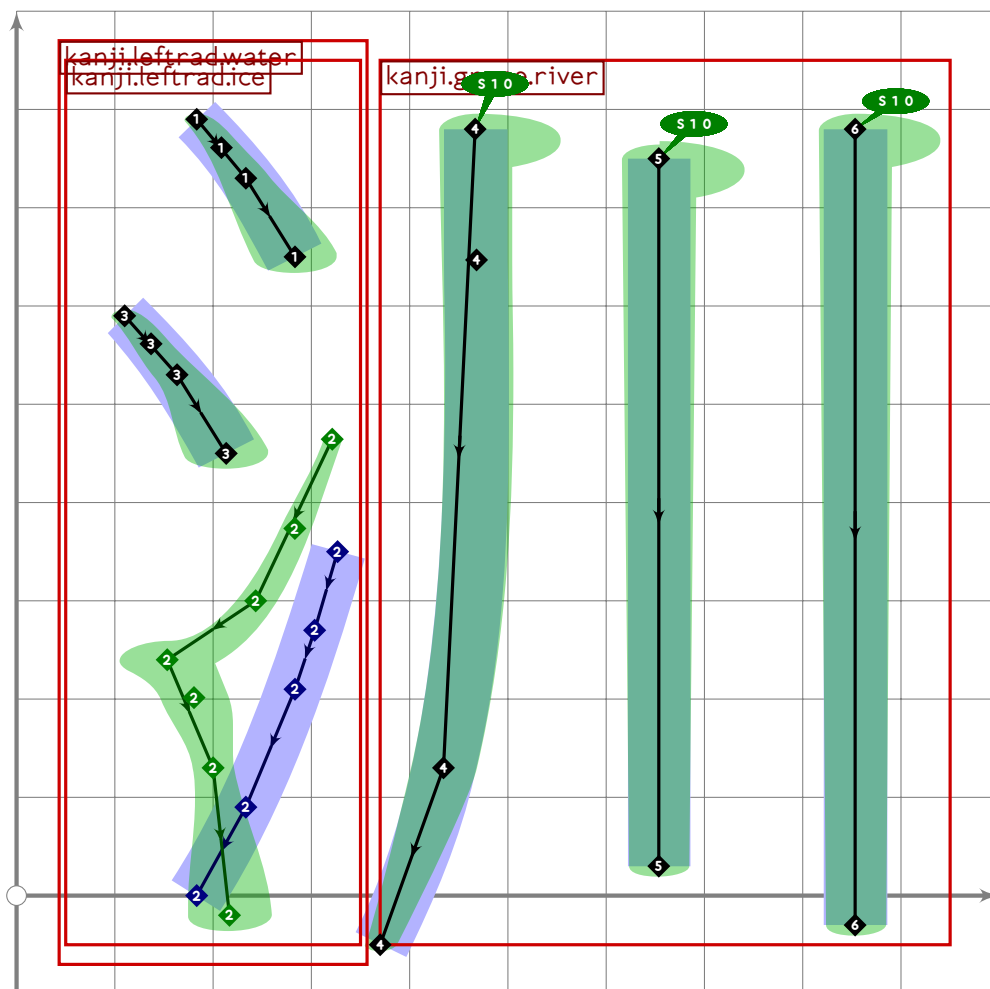
```

378 % extra
379 begintsuglyph("uni6C44";68);
380   build_kanji.lr(360,40)
381     (kanji.leftrad.water)
382     (kanji.grone.person);
383   tsu_render;
384 endtsuglyph;
385

```

U+6C4C
tsuku.uni6C4C

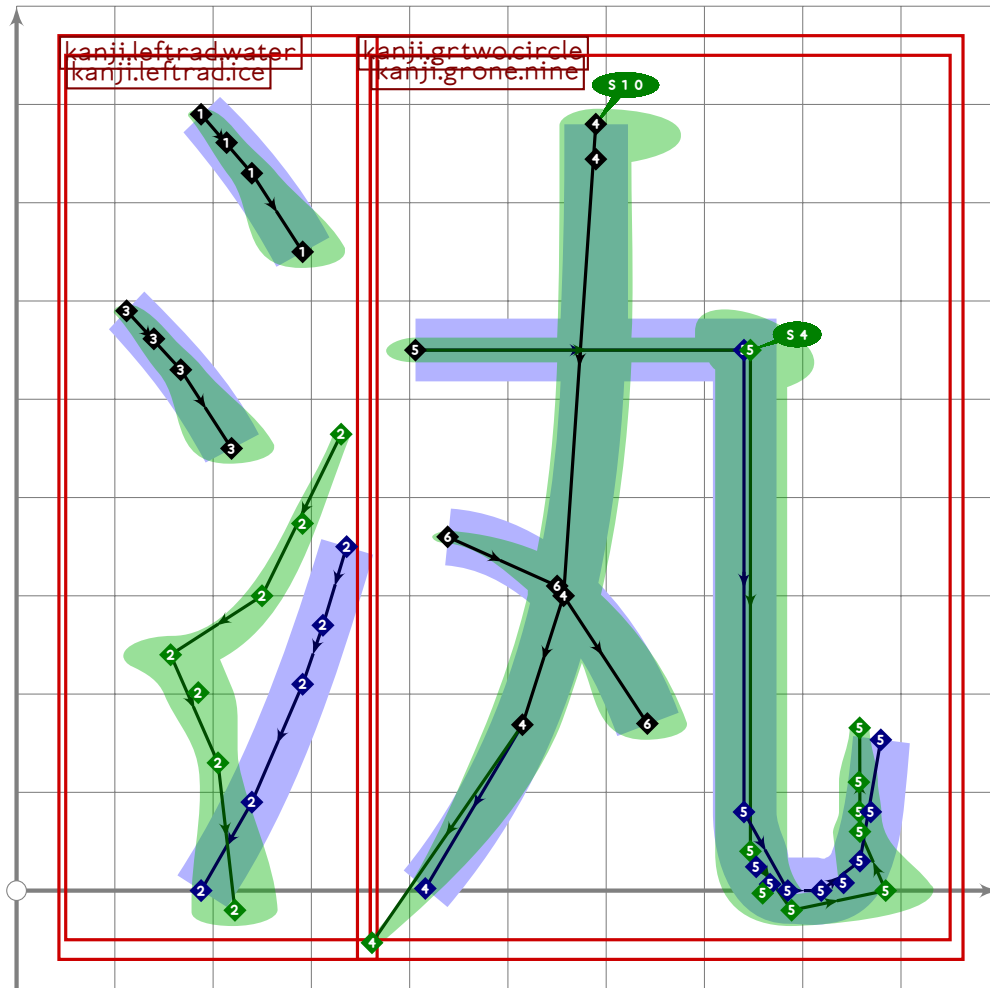
6C



```

386 % extra
387 begintsuglyph("uni6C4C";76);
388   build_kanji.lr(360;20)
389     (kanji.leftrad.water)
390     (kanji.grone.river);
391   tsu_render;
392 endtsuglyph;
393

```



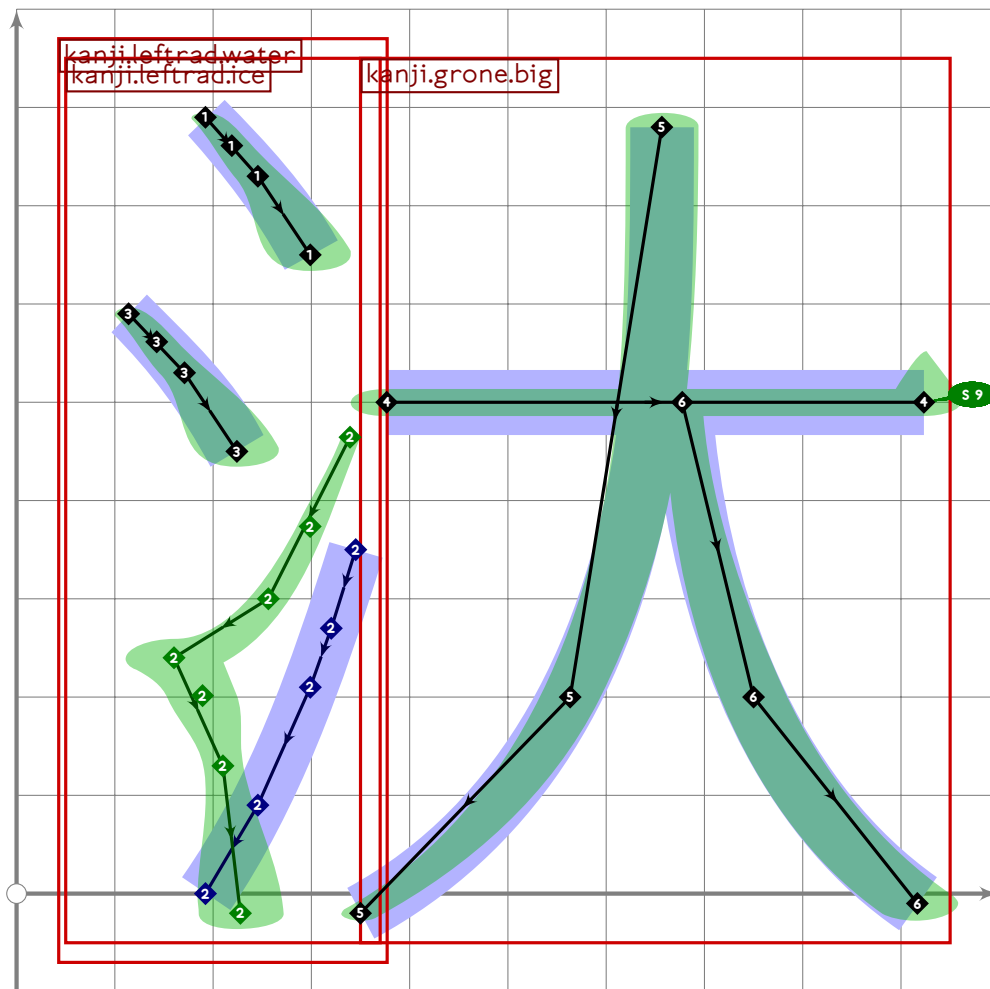
```

394 % extra
395 beginsuglyph("uni6C4D";77);
396   build_kanji.lr(360,0)
397     (kanji.leftrad.water)
398     (kanji.grtwo.circle);
399   tsu_render;
400 endsuglyph;
401

```

U+6C4F
tsuku.uni6C4F

6C

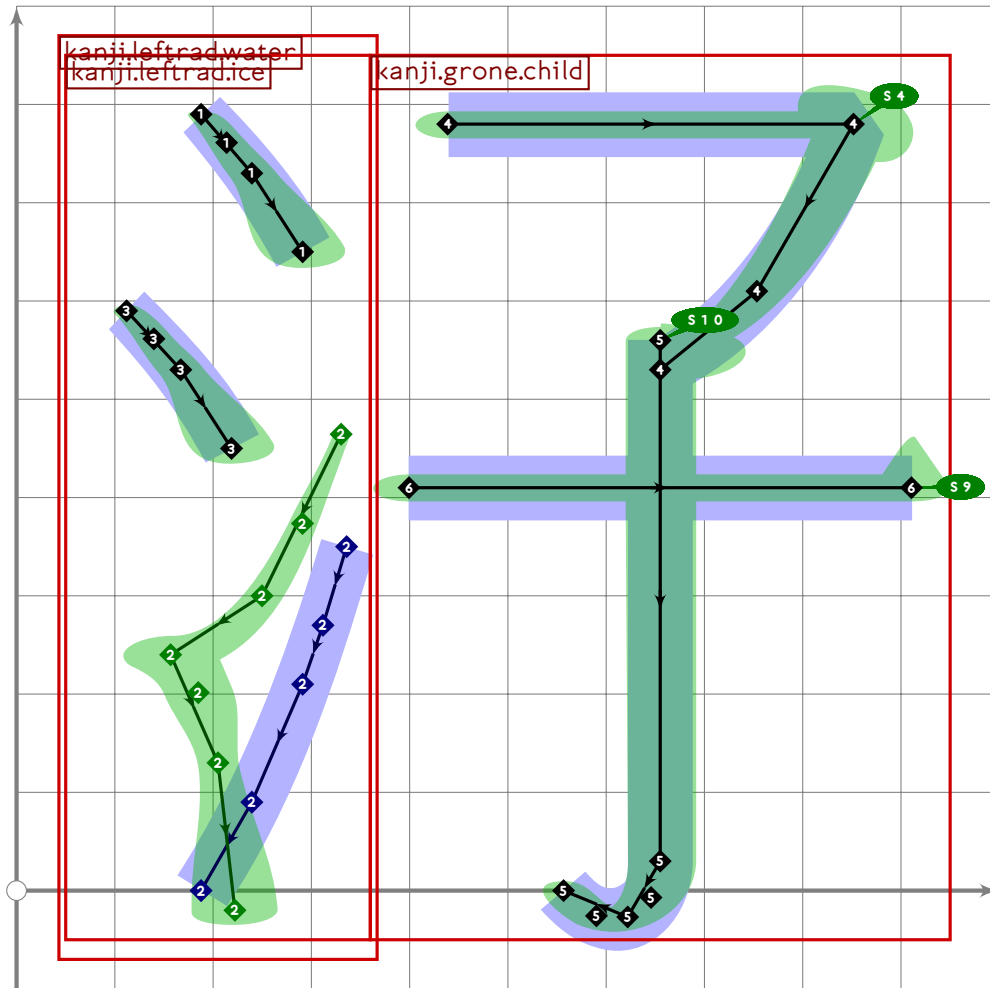


```

402 % extra
403 begintsuglyph("uni6C4F";79);
404   build_kanji.lr(360,20)
405     (kanji.leftrad.water)
406     (kanji.grone.big);
407   tsu_render;
408 endtsuglyph;
409
410 % seki/shio "tide"
411 begintsuglyph("uni6C50";80);
412   kanji.grnine.tide;
413   tsu_render;
414 endtsuglyph;
415

```

[see page 3038]



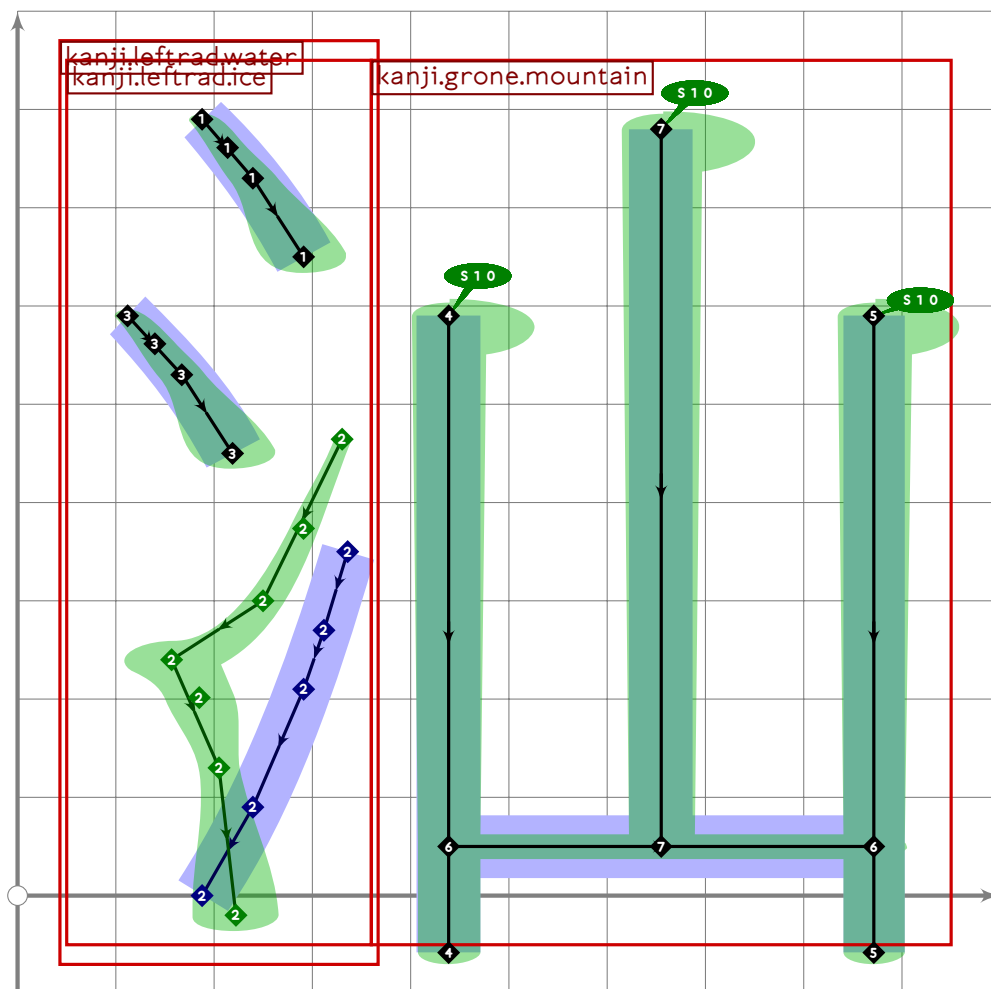
```

416 % extra
417 begintsuglyph("uni6C53",83);
418   build_kanji.lr(360,0)
419     (kanji.leftrad.water)
420     (kanji.grone.child);
421   tsu_render;
422 endtsuglyph;
423

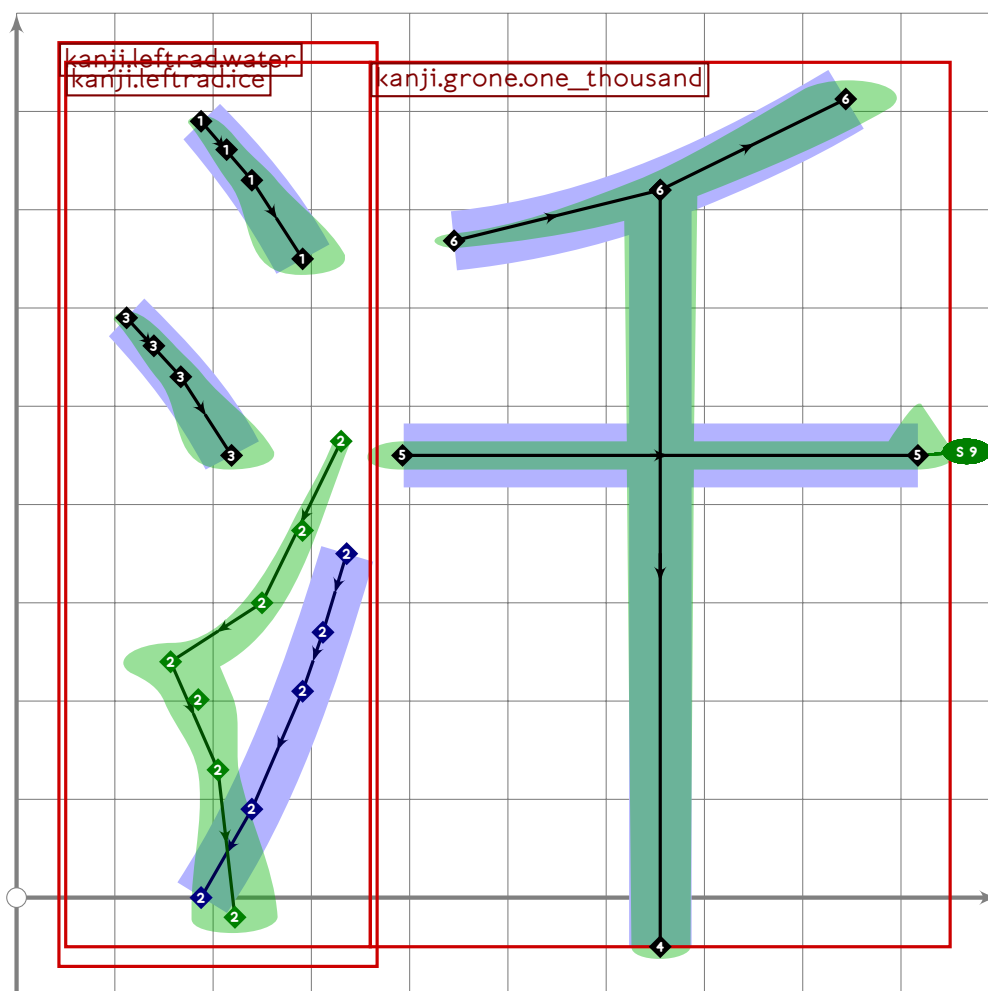
```

U+6C55
tsuku.uni6C55

6C



```
424 % extra "fish swimming"
425 beginsuglyph("uni6C55",85);
426   build_kanji.lr(360,0)
427     (kanji.leftrad.water)
428     (kanji.grone.mountain);
429   tsu_render;
430 endtsuglyph;
431
```



```

432 % extra
433 begintsuglyph("uni6C58";88);
434   build_kanji.lr(360,0)
435     (kanji.leftrad.water)
436     (kanji.grone.one_thousand);
437   tsu_render;
438 endtsuglyph;
439
440 % jo/nanji "thou"
441 begintsuglyph("uni6C5D";93);
442   kanji.grnine.thou;
443   tsu_render;
444 endtsuglyph;
445
446 % kou/e "bay" ("e" in "Edo")
447 begintsuglyph("uni6C5F";95);
448   kanji.greight.bay;
449   tsu_render;
450 endtsuglyph;
451
452 % chi/ike "pond"

```

[see page 3037]

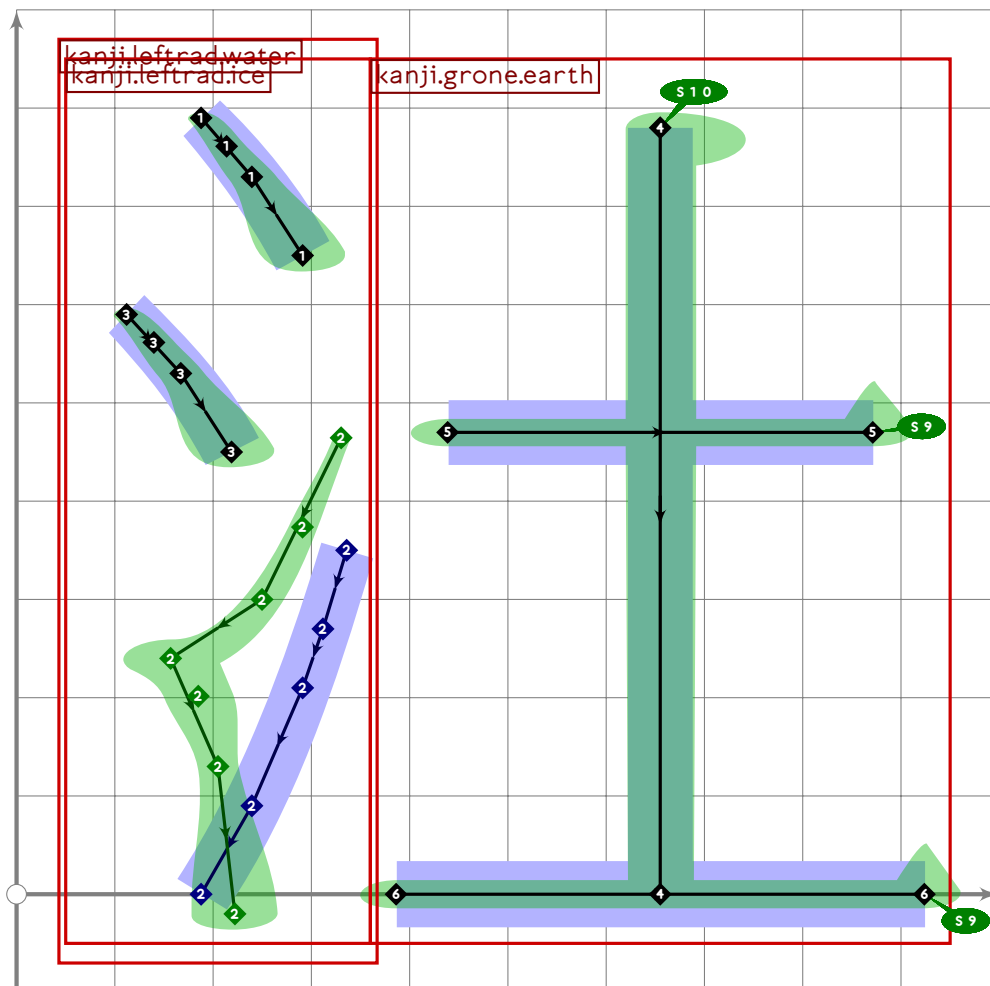
[see page 3032]

U+6C62
tsuku.uni6C62

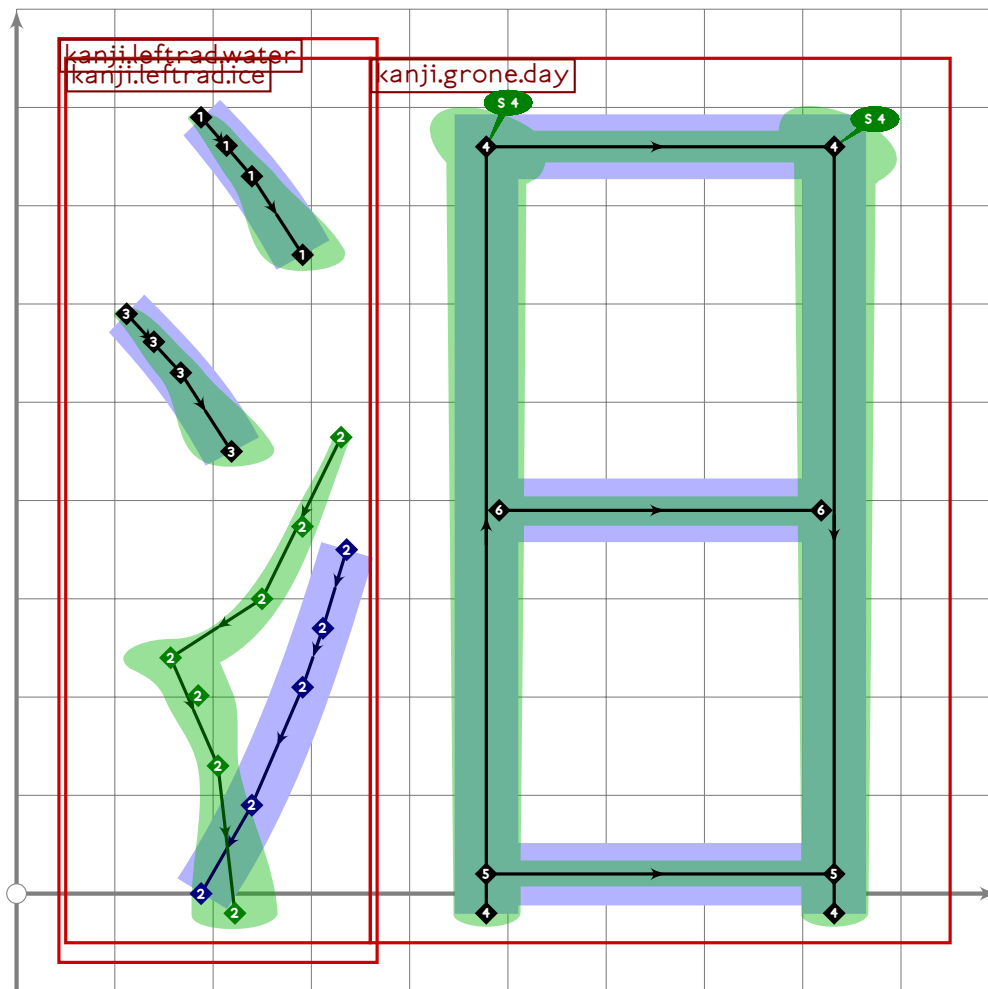
[see page 3019]

6C

```
453 begint Suglyph("uni6C60";96);  
454   kanji.grtwo.pond;  
455   tsu_render;  
456 endtsuglyph;  
457
```



```
458 % extra  
459 begint Suglyph("uni6C62";98);  
460   build_kanji.lr(360,0)  
461     (kanji.leftrad.water)  
462     (kanji.grone.earth);  
463   tsu_render;  
464 endtsuglyph;  
465
```



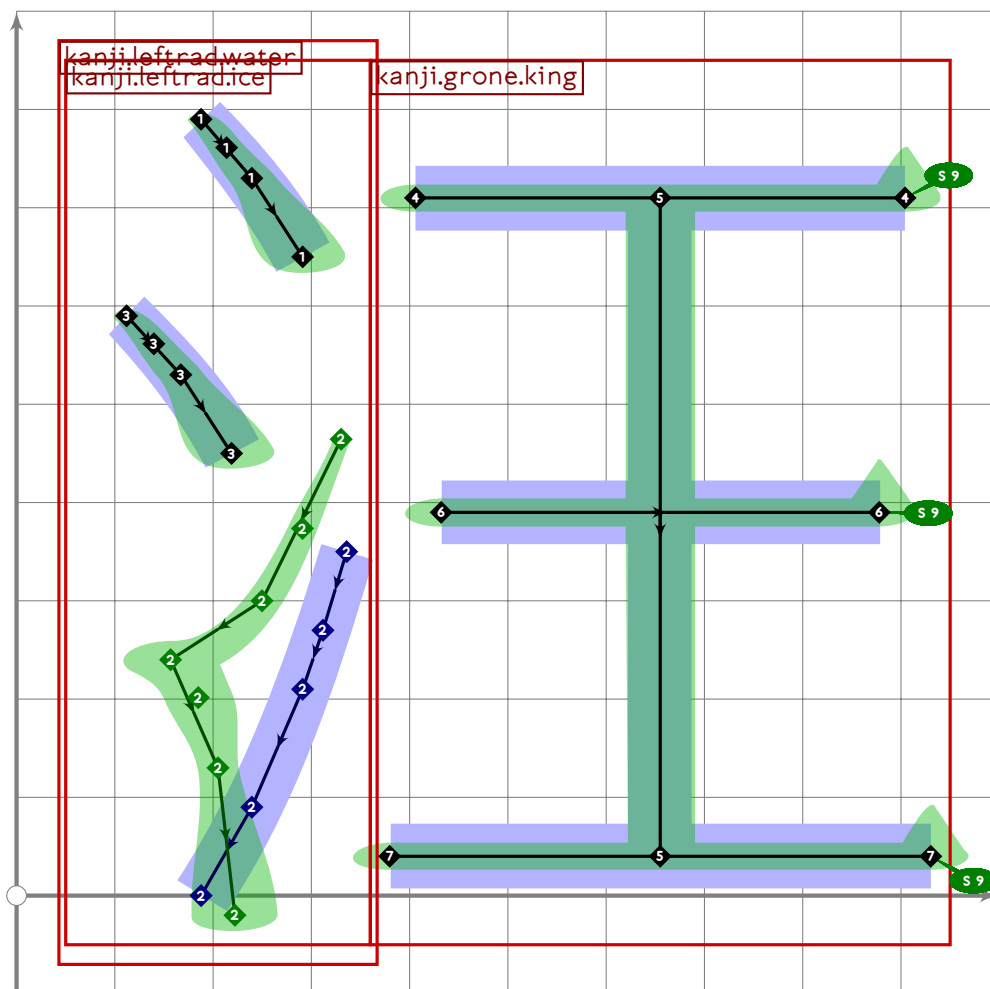
```

466 % extra
467 begintsuglyph("uni6C68",104);
468   build_kanji.lr(360,0)
469     (kanji.leftrad.water)
470     (kanji.grone.day);
471   tsu_render;
472 endtsuglyph;
473

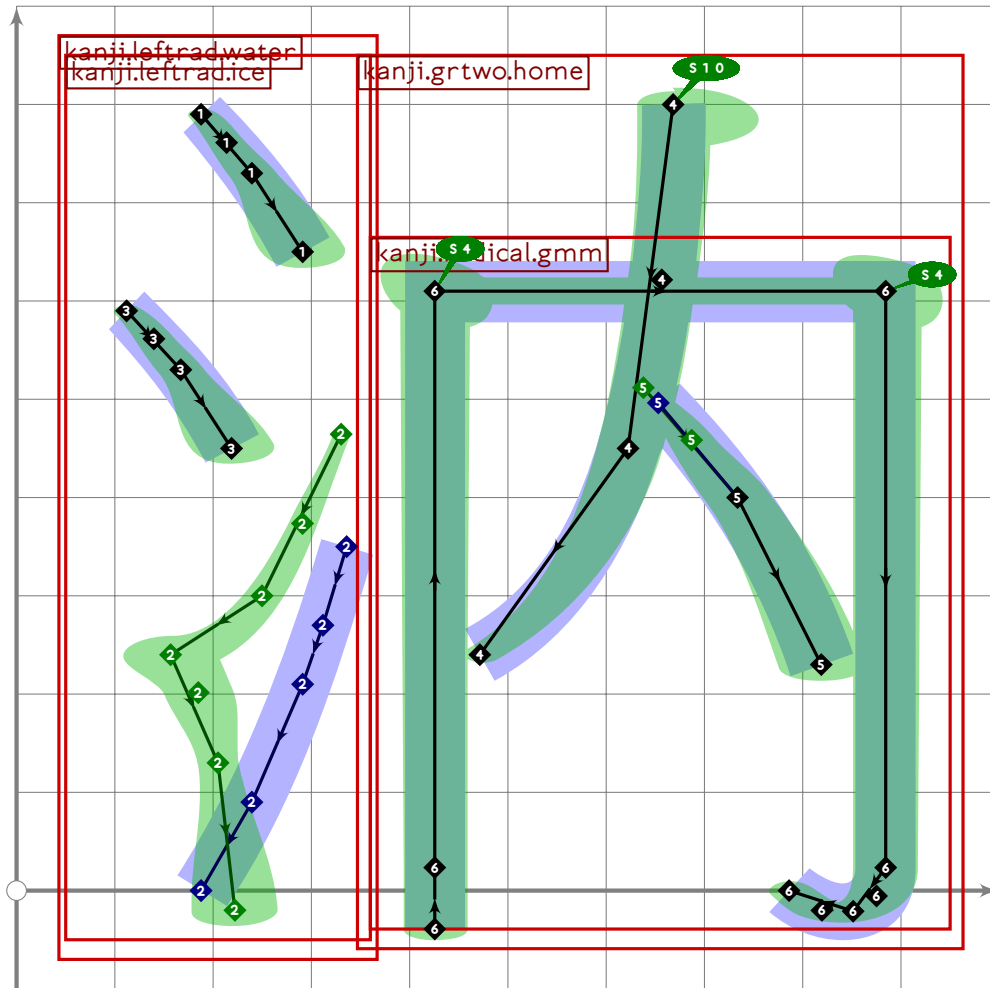
```

U+6C6A
tsuku.uni6C6A

6C



```
474 % extra
475 begint Suglyph("uni6C6A",106);
476   build_kanji.lr(360,0)
477     (kanji.leftrad.water)
478     (kanji.grone.king);
479   tsu_render;
480 endtsuglyph;
481
```



```

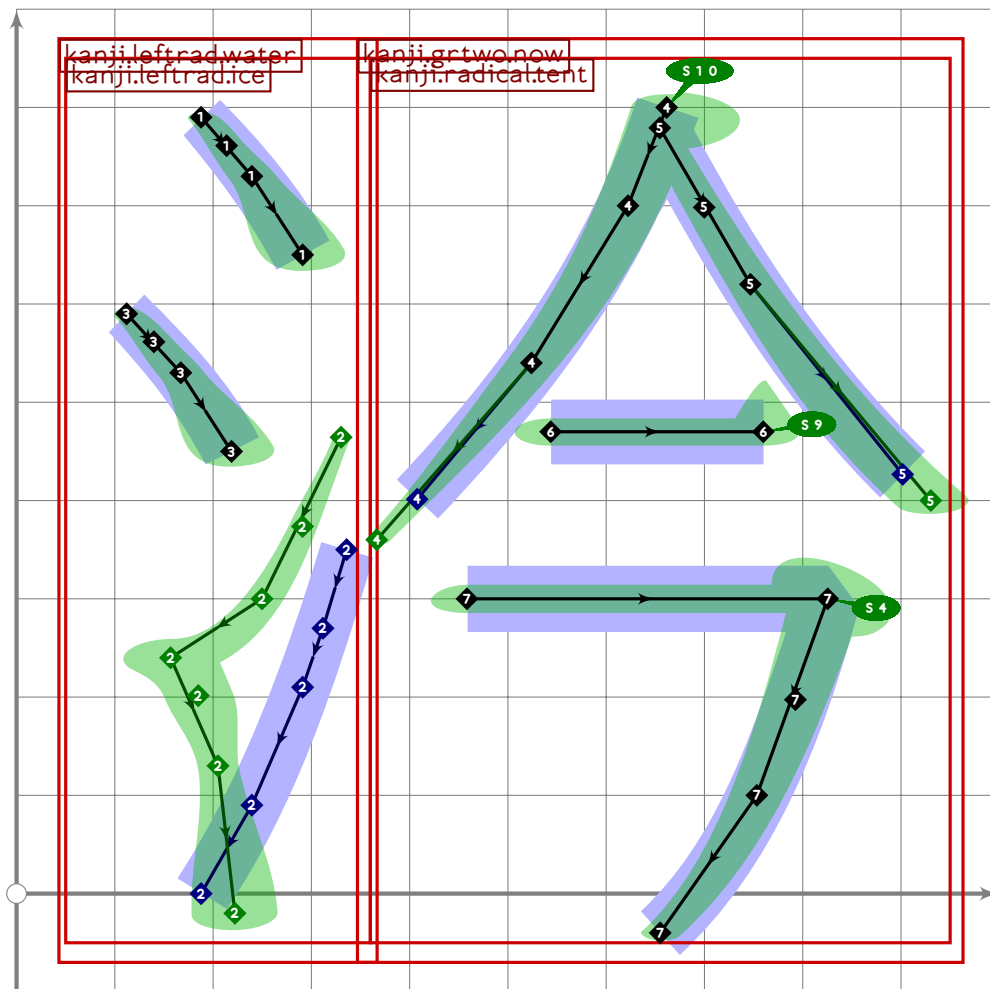
482 % extra
483 begintsuglyph("uni6C6D";109);
484   build_kanji.lr(360,0)
485     (kanji.leftrad.water)
486     (kanji.grtwo.home);
487   tsu_render;
488 endtsuglyph;
489
490 % ta/ogo "luxury"
491 begintsuglyph("uni6C70";112);
492   kanji.grnine.luxury;
493   tsu_render;
494 endtsuglyph;
495

```

[see page 3035]

U+6C75
tsuku.uni6C75

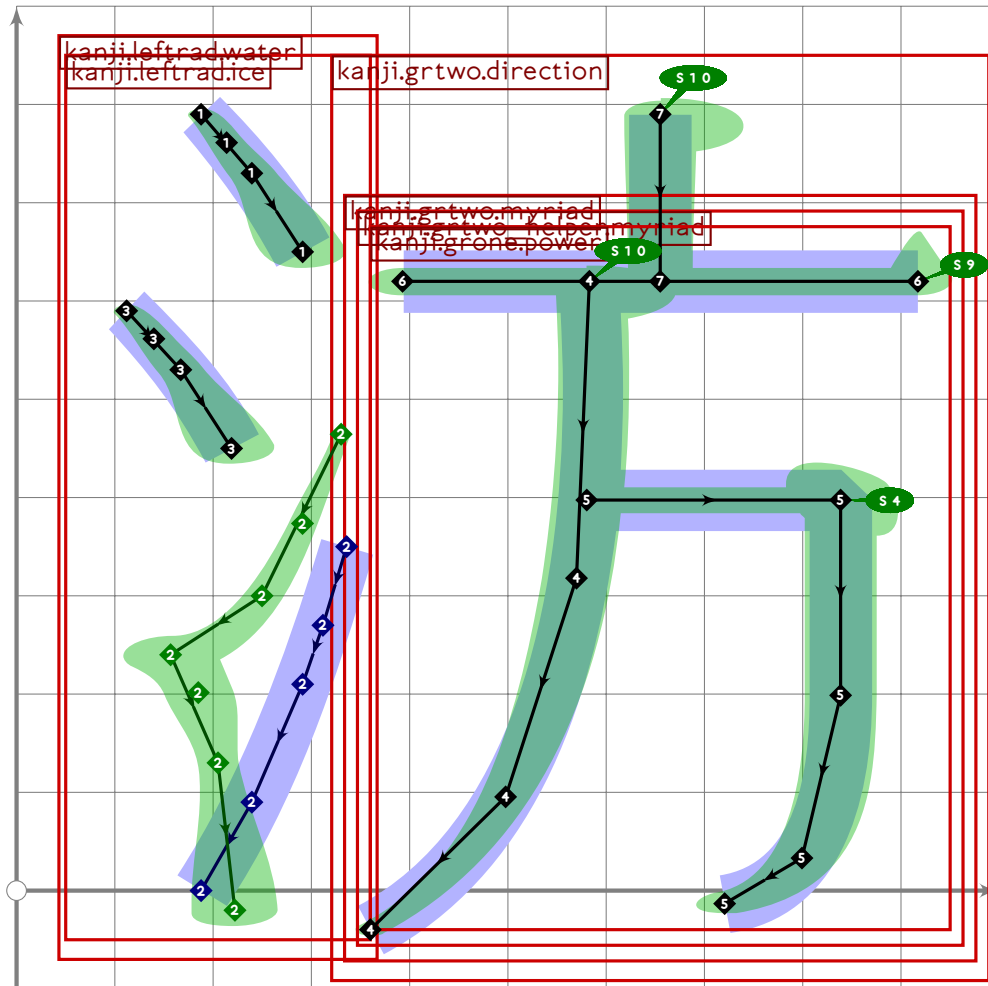
6C



```

496 % extra
497 begintsuglyph("uni6C75";117);
498   build_kanji.lr(360,0)
499     (kanji.leftrad.water)
500     (kanji.grtwo.now);
501   tsu_render;
502 endtsuglyph;
503

```



```

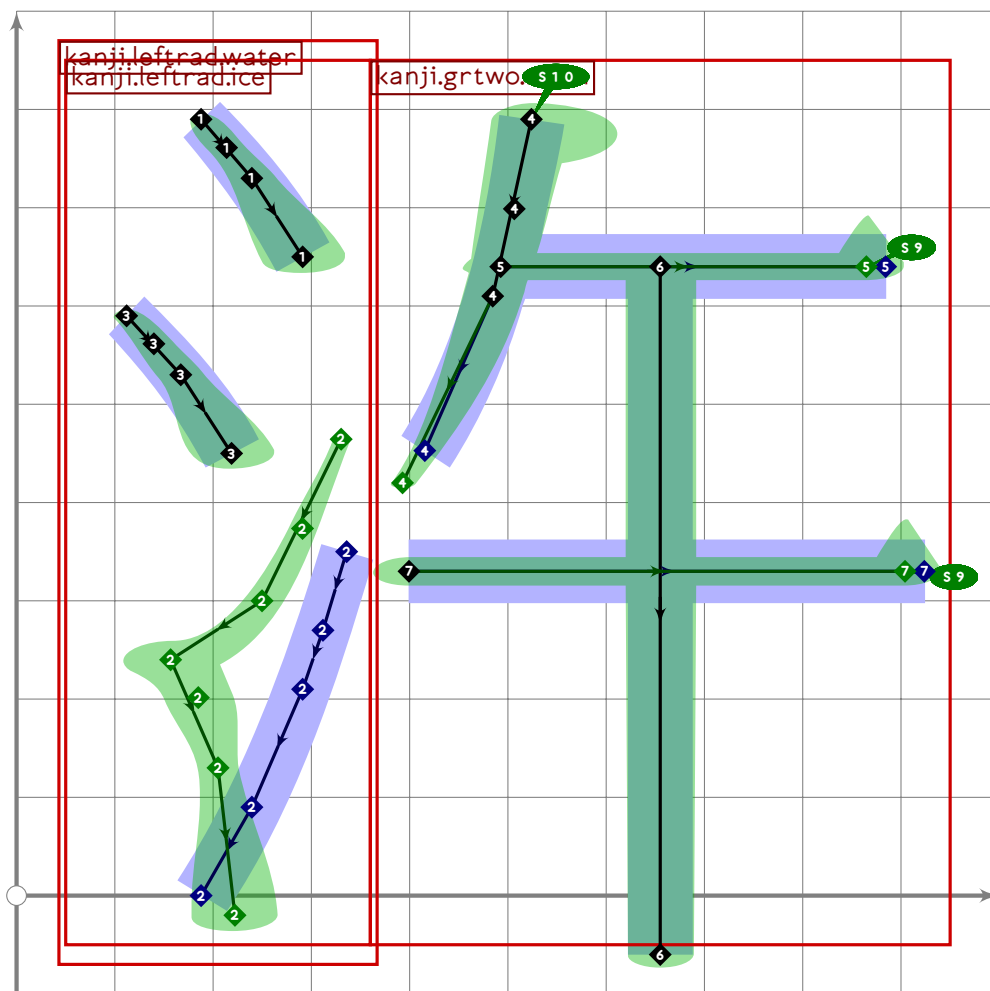
504 % extra
505 begintsuglyph("uni6C78",120);
506   build_kanji.lr(360,0)
507     (kanji.leftrad.water)
508     (kanji.grtwo.direction);
509   tsu_render;
510 endtsuglyph;
511
512 % ketsu/ki "decide"
513 begintsuglyph("uni6C7A",122);
514   kanji.grthree.decide;
515   tsu_render;
516 endtsuglyph;
517

```

[see page 3021]

U+6C7B
tsuku.uni6C7B

6C

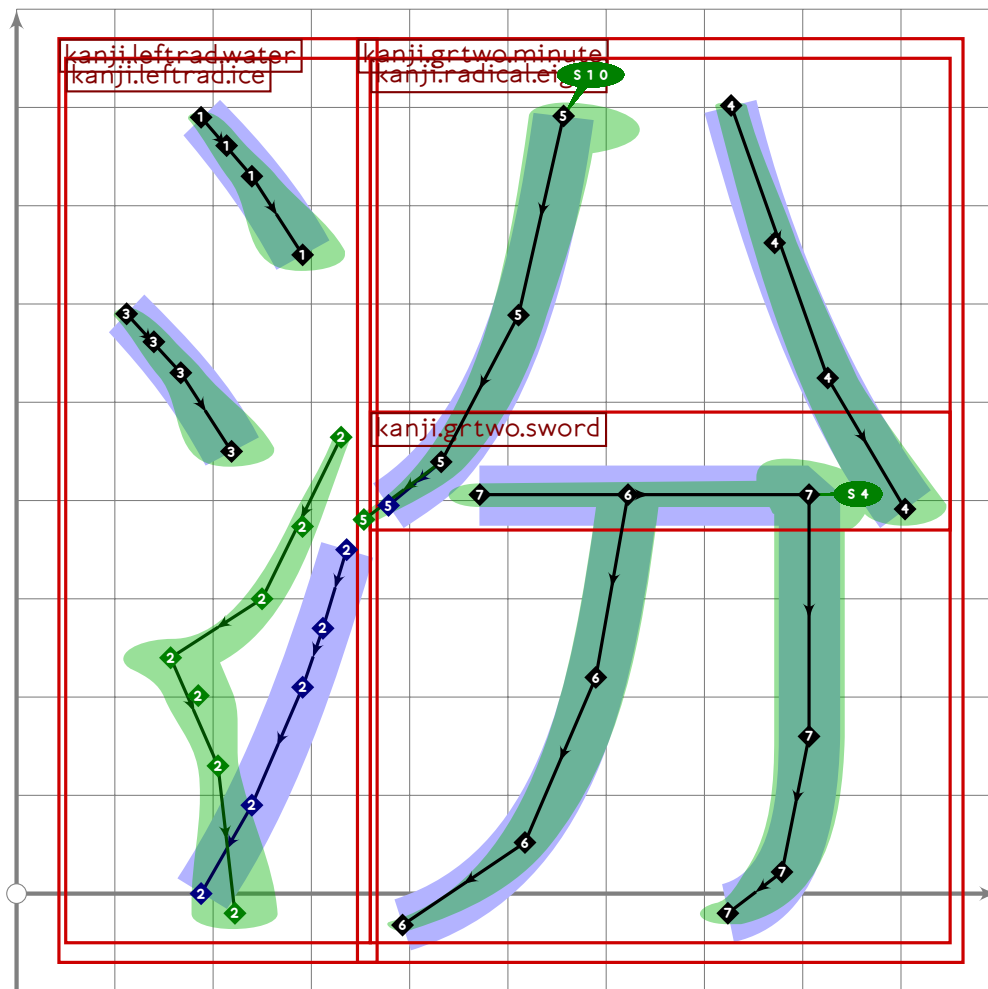


```

518 % extra
519 begintsuglyph("uni6C7B",123);
520   build_kanji.lr(360,0)
521     (kanji.leftrad.water)
522     (kanji.grtwo.noon);
523   tsu_render;
524 endtsuglyph;
525
526 % ki "steam"
527 begintsuglyph("uni6C7D",125);
528   kanji.grtwo.steam;
529   tsu_render;
530 endtsuglyph;
531

```

[see page 3020]



532 % extra "name of a Chinese river"

533 begintsuglyph("uni6C7E";126);

534 build_kanji.lr(360,0)

535 (kanji.leftrad.water)

536 (kanji.grtwo.minute);

537 tsu_render;

538 endsuglyph;

539

540 % you/soso "fertility"

541 begintsuglyph("uni6C83";131);

542 kanji.greight.fertility;

543 tsu_render;

544 endsuglyph;

545

546 % ka/kawa "river"

547 begintsuglyph("uni6CB3";179);

548 kanji.grfive.river;

549 tsu_render;

550 endsuglyph;

551

552 % yu/abura "oil"

[see page 3033]

[see page 3030]

553 `begintsuglyph("uni6CB9";185);` [see page 3023]
 554 `kanji.grthree.oil;`
 555 `tsu_render;`
 556 `endtsuglyph;`
 557
 558 `% ji/osa "cure"`
 559 `begintsuglyph("uni6CBB";187);` [see page 3027]
 560 `kanji.grfour.cure;`
 561 `tsu_render;`
 562 `endtsuglyph;`
 563
 564 `% en/so "along"`
 565 `begintsuglyph("uni6CBF";191);` [see page 3031]
 566 `kanji.grsix.along;`
 567 `tsu_render;`
 568 `endtsuglyph;`
 569
 570 `% sen/izumi "spring" or "fountain" (not the season)`
 571 `begintsuglyph("uni6CC9";201);` [see page 795]
 572 `kanji.grsix.fountain;`
 573 `tsu_render;`
 574 `endtsuglyph;`
 575
 576 `% hou/nori "law"`
 577 `begintsuglyph("uni6CD5";213);` [see page 3028]
 578 `kanji.grfour.law;`
 579 `tsu_render;`
 580 `endtsuglyph;`
 581
 582 `% ha/nami "wave" (or Poland)`
 583 `begintsuglyph("uni6CE2";226);` [see page 3026]
 584 `kanji.grthree.wave;`
 585 `tsu_render;`
 586 `endtsuglyph;`
 587
 588 `% kyuuna "weep"`
 589 `begintsuglyph("uni6CE3";227);` [see page 3029]
 590 `kanji.grfour.weep;`
 591 `tsu_render;`
 592 `endtsuglyph;`
 593
 594 `% chuu/soso "pour"`
 595 `begintsuglyph("uni6CE8";232);` [see page 3024]
 596 `kanji.grthree.pour;`
 597 `tsu_render;`
 598 `endtsuglyph;`
 599
 600 `% ei/oyo "swim"`

601 begintsuglyph("uni6CF3";243);

[see page 3025]

602 kanji.grthree.swim;

603 tsu_render;

604 endtsuglyph;

605

606

607

608 endfont;

609

610

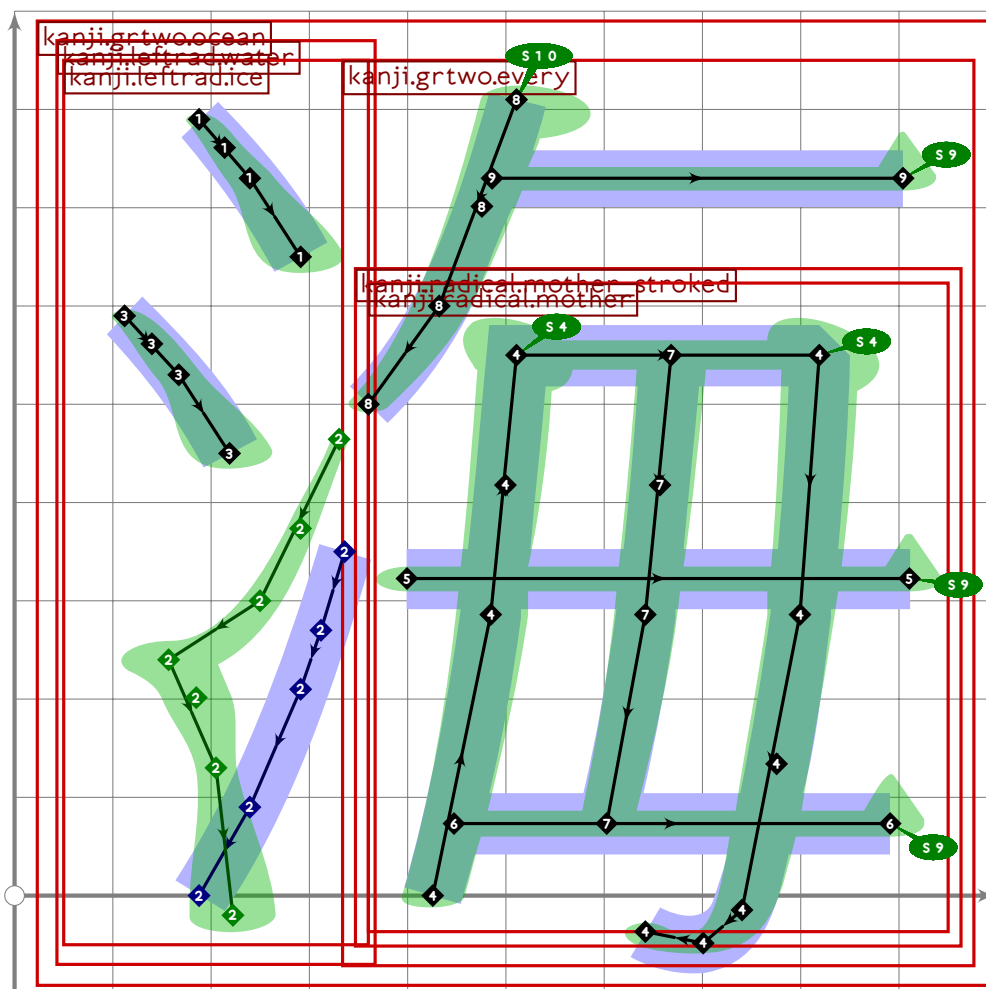
```
1 %
2 % Unicode page 6D (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---


```

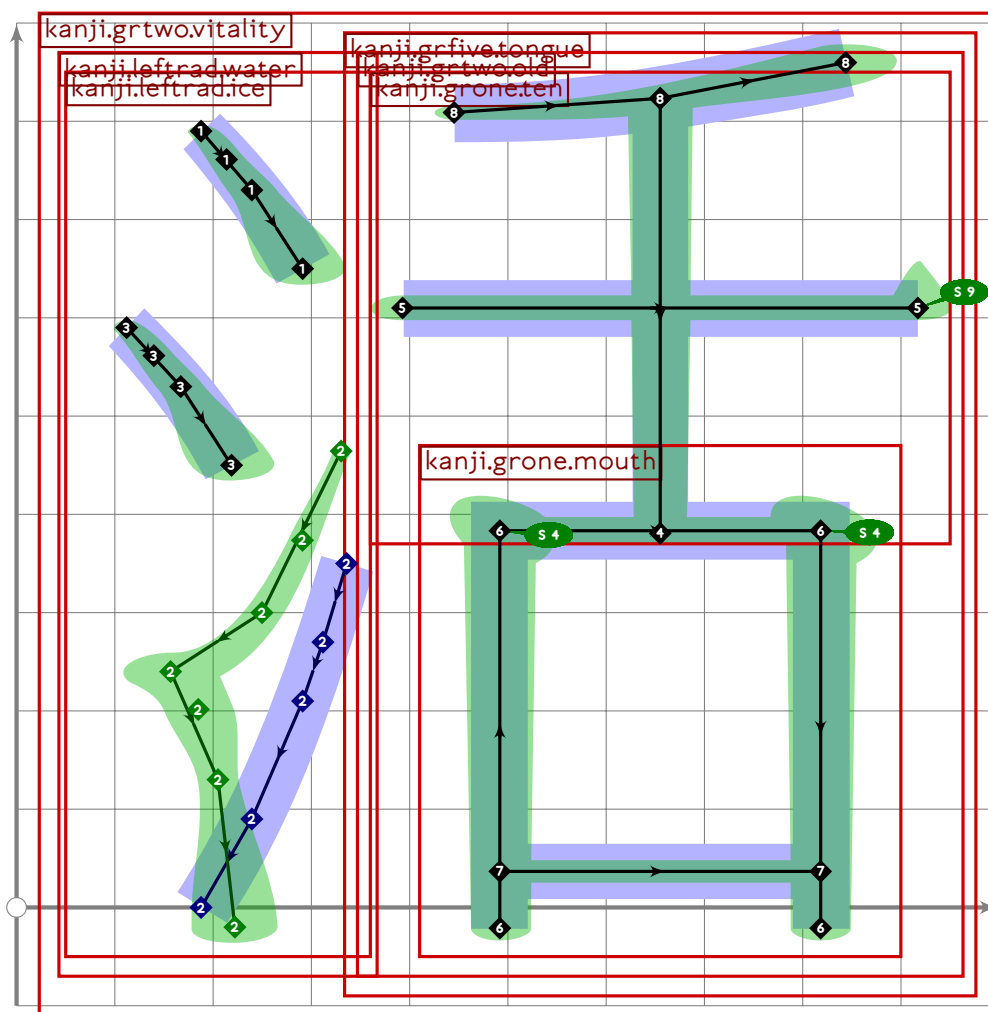


```

53
54 vardef kanji.grtwo.ocean =
55   push_pbox_toexpand("kanji.grtwo.ocean");
56   build_kanji.lr(360,0)
57     (kanji.leftrad.water)
58     (kanji.grtwo.every);
59   expand_pbox;
60 enddef;

```

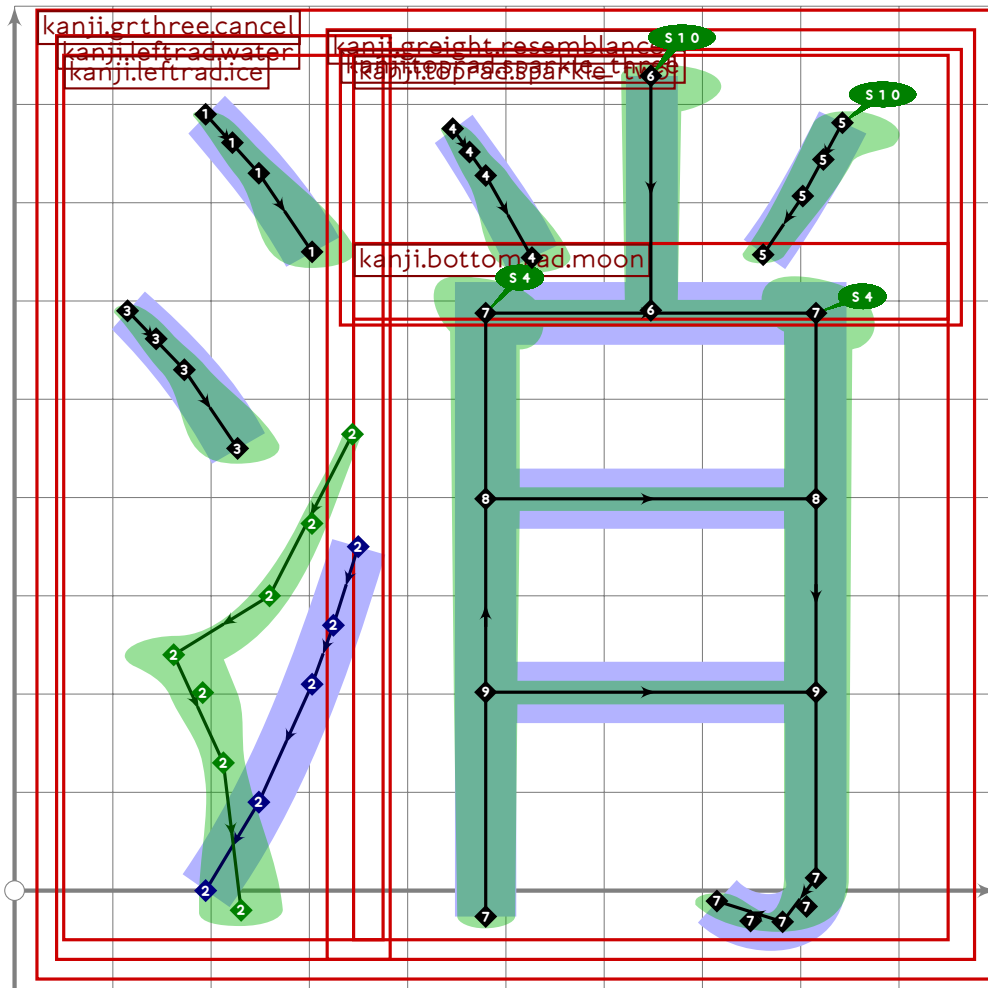
6D



```

61
62 vardef kanji.grtwo.vitality =
63   push_pbox_toexpand("kanji.grtwo.vitality");
64   build_kanji.lr(360,0)
65     (kanji.leftrad.water)
66     (kanji.grfive.tongue);
67   expand_pbox;
68 enddef;
69
70

```

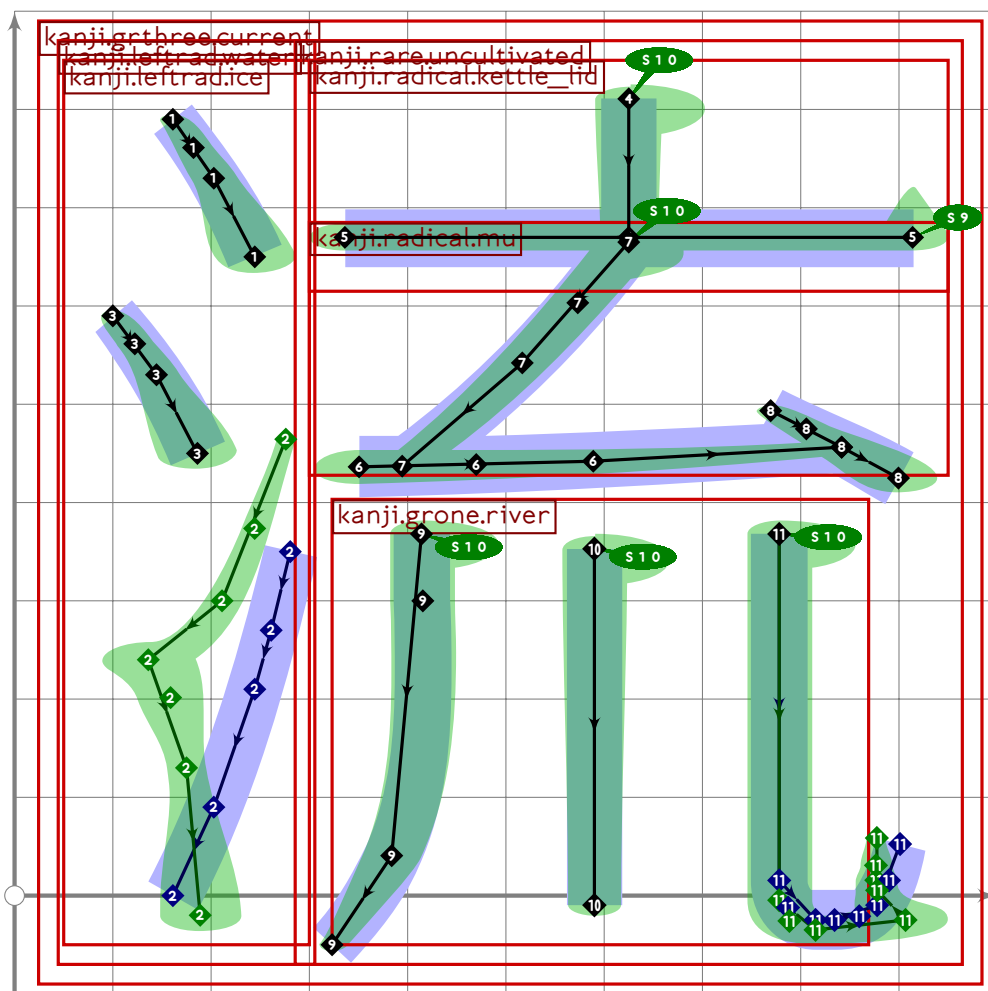


```

71
72 vardef kanji.grthree.cancel =
73   push_pbox_toexpand("kanji.grthree.cancel");
74   build_kanji.lr(360,30)
75     (kanji.leftrad.water)
76     (kanji.greight.resemblance);
77   expand_pbox;
78 enddef;

```

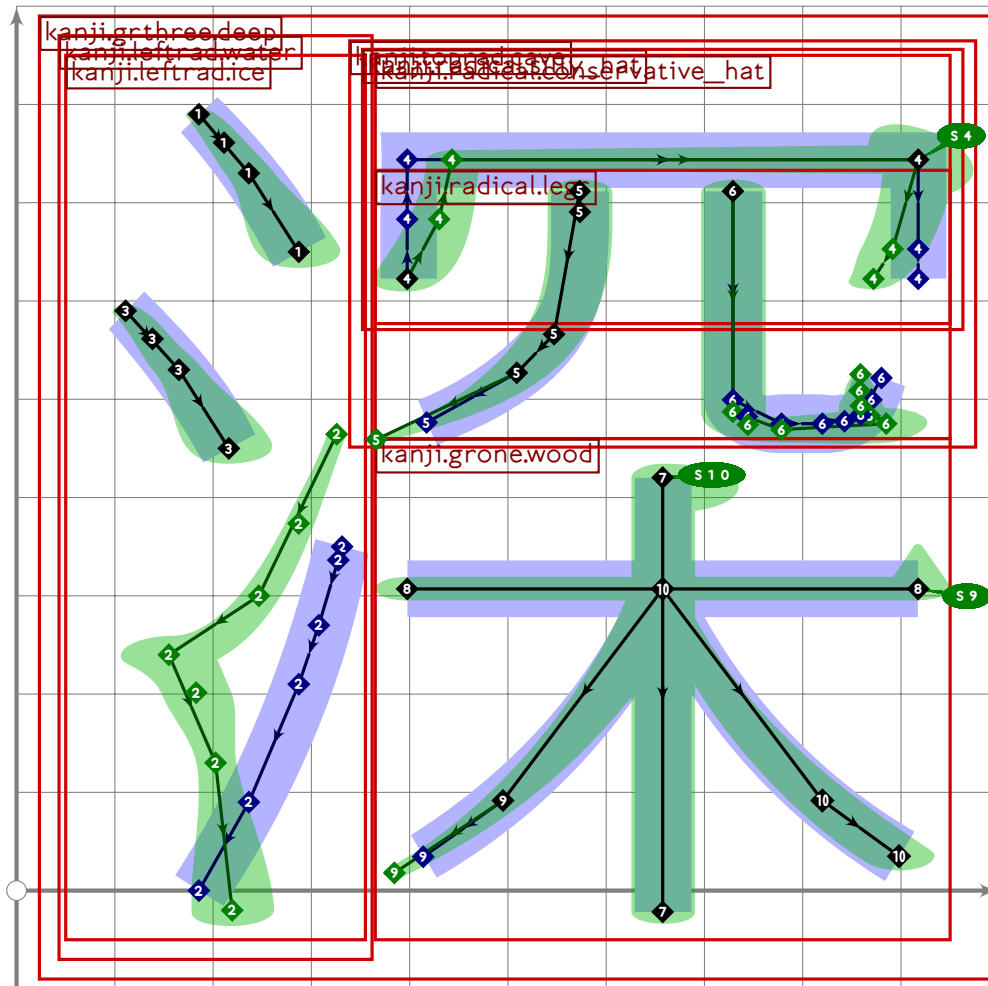
6D



```

79
80 vardef kanji.grthree.current =
81   push_pbox_toexpand("kanji.grthree.current");
82   build_kanji.lr(300,0)
83     (kanji.leftrad.water)
84     (kanji.rare.uncultivated);
85   expand_pbox;
86 enddef;

```

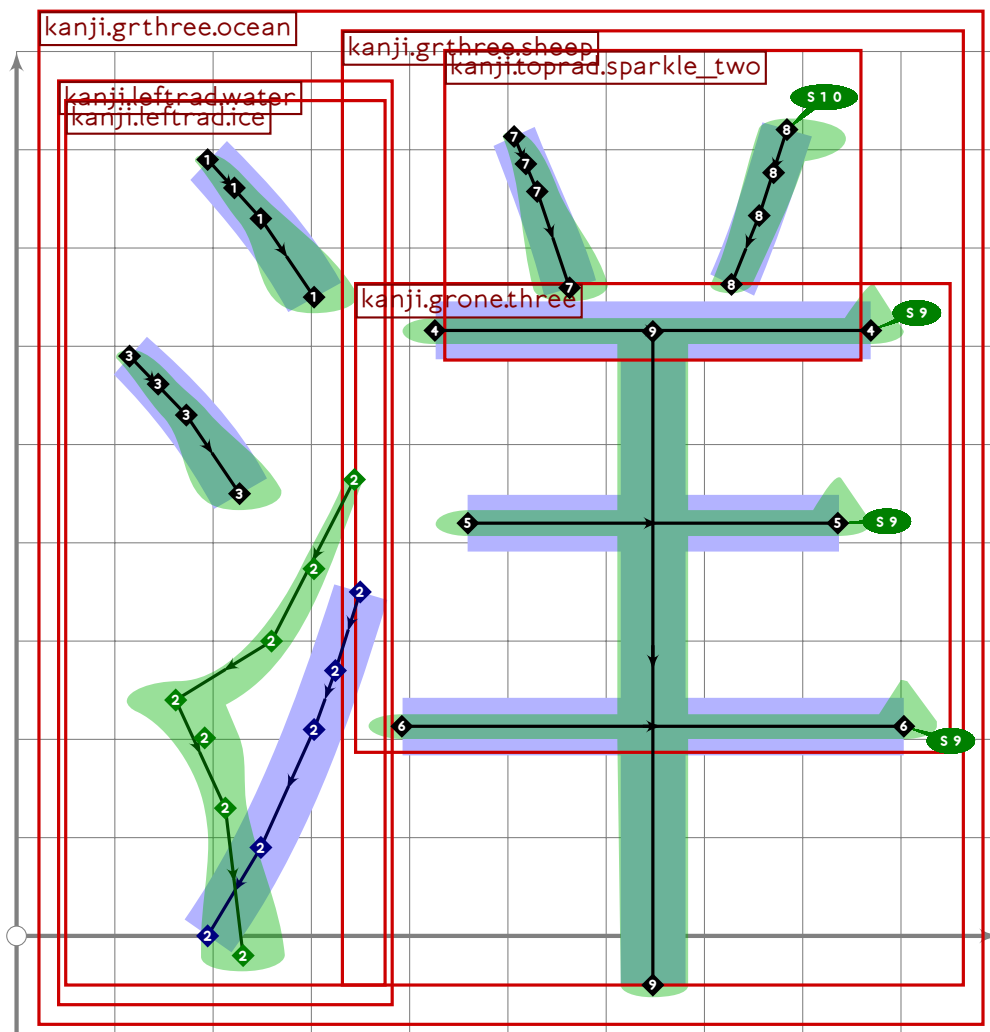


```

87
88 vardef kanji.grthree.deep =
89   push_pbox_toexpand("kanji.grthree.deep");
90   build_kanji.lr(360,-10)
91   (kanji.leftrad.water)
92   (build_kanji.level(build_kanji.tb(460,0)
93     (kanji.toprad.cave;
94       set_bosize(-3,0))
95     (kanji.grone.wood)));
96   expand_pbox;
97 enddef;

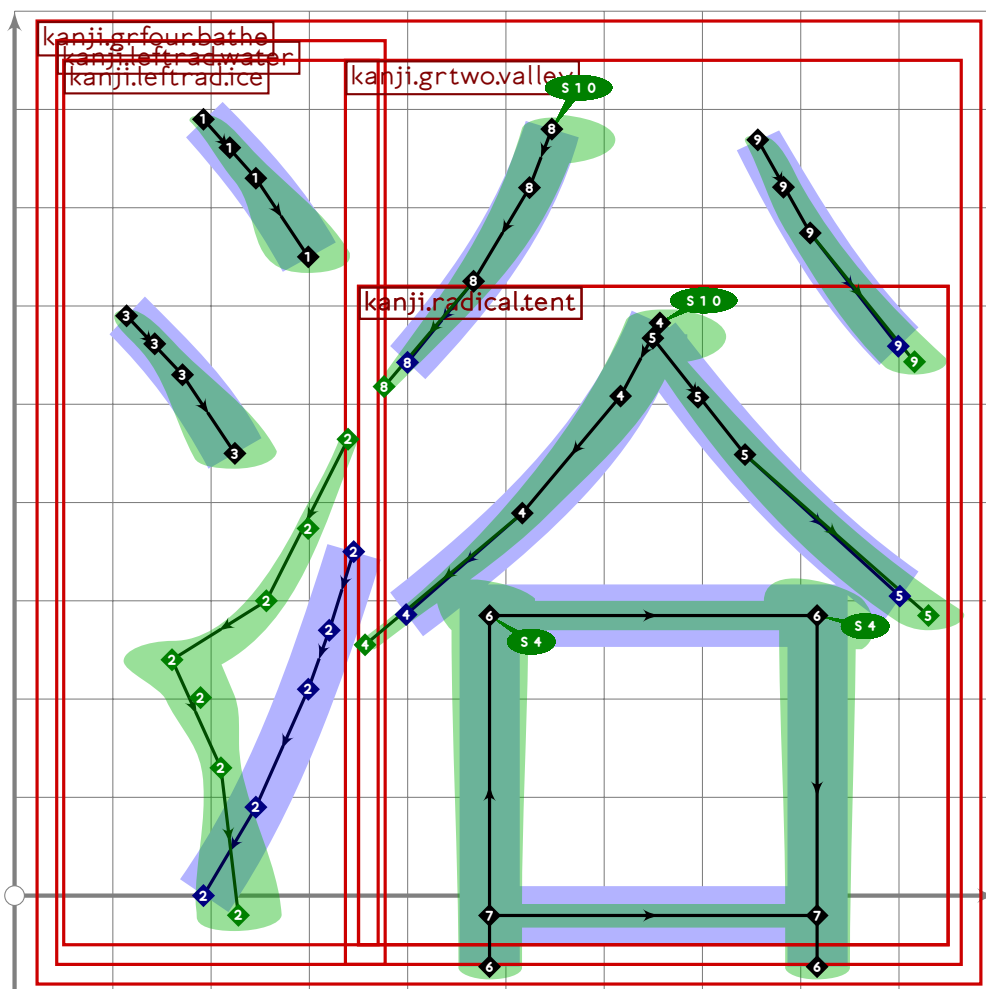
```


6D



```

98
99 vardef kanji.grthree.ocean =
100   push_pbox_toexpand("kanji.grthree.ocean");
101   build_kanji.lr(360,30)
102     (kanji.lefttrad.water)
103     (kanji.grthree.sheep);
104   expand_pbox;
105 enddef;
106
107
```

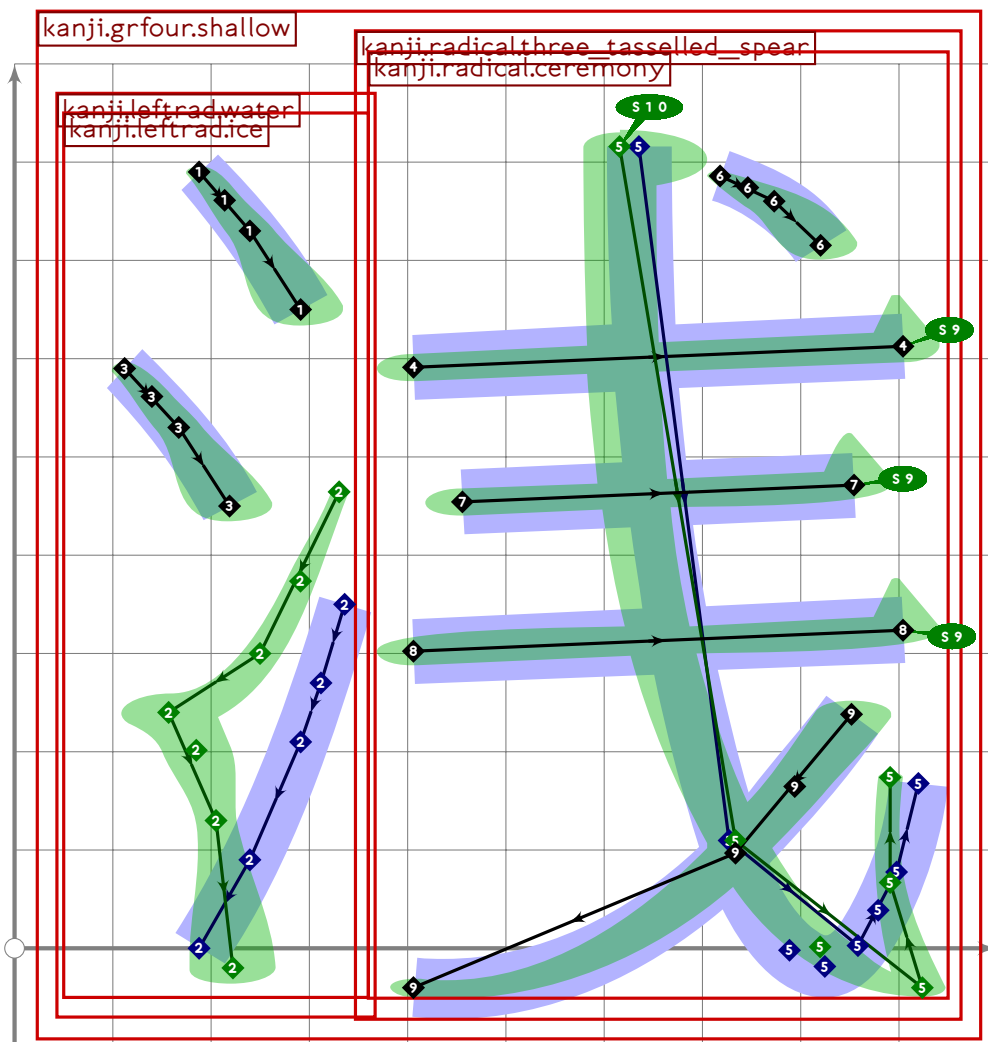


```

108
109 vardef kanji.grfour.bathe =
110   push_pbox_toexpand("kanji.grfour.bathe");
111   build_kanji.lr(360,20)
112     (kanji.leftrad.water)
113     (kanji.grtwo.valley);
114   expand_pbox;
115 enddef;

```

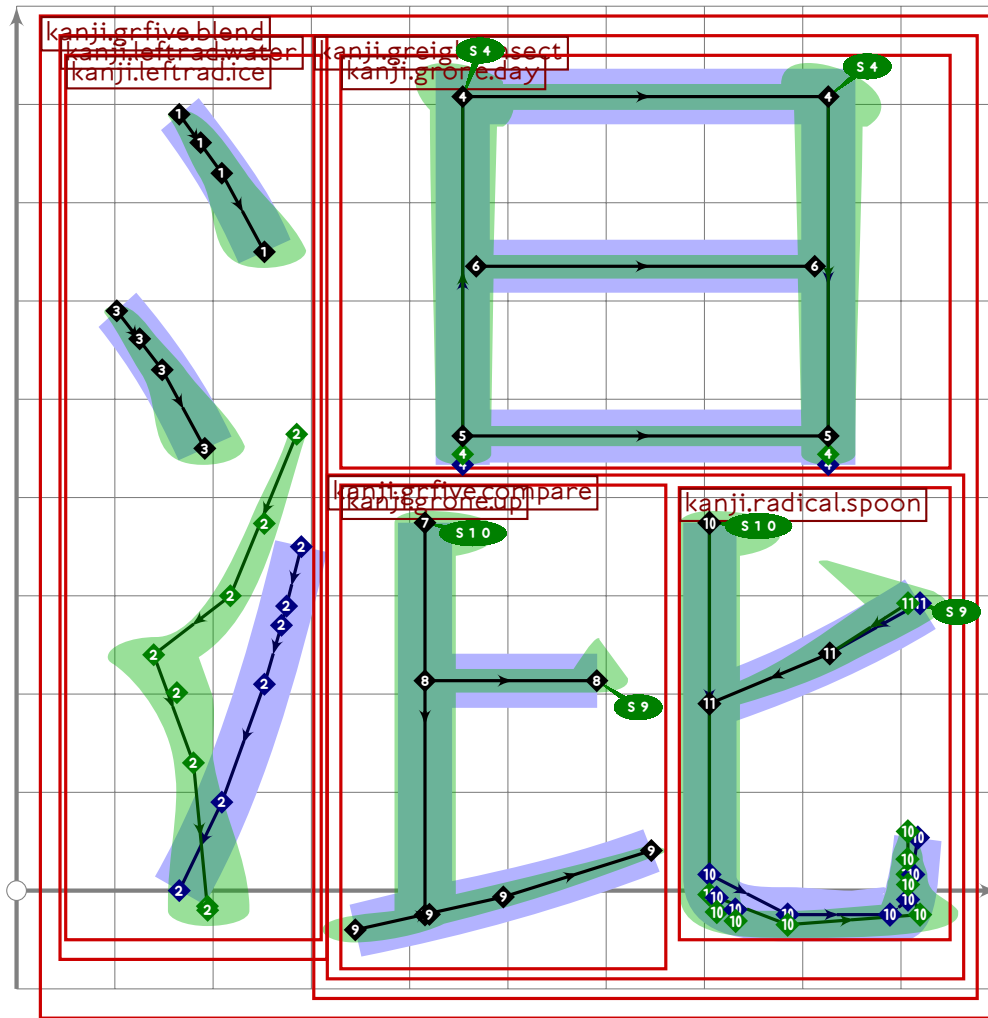
6D



```

116
117 vardef kanji.grfour.shallow =
118   push_pbox_toexpand("kanji.grfour.shallow");
119   build_kanji.lr(360,0)
120     (kanji.leftrad.water)
121     (build_kanji.sscale(yscaled 1.07 shifted (0,30))
122       (kanji.radical.three_tasselled_spear));
123   expand_pbox;
124 enddef;
125
126

```

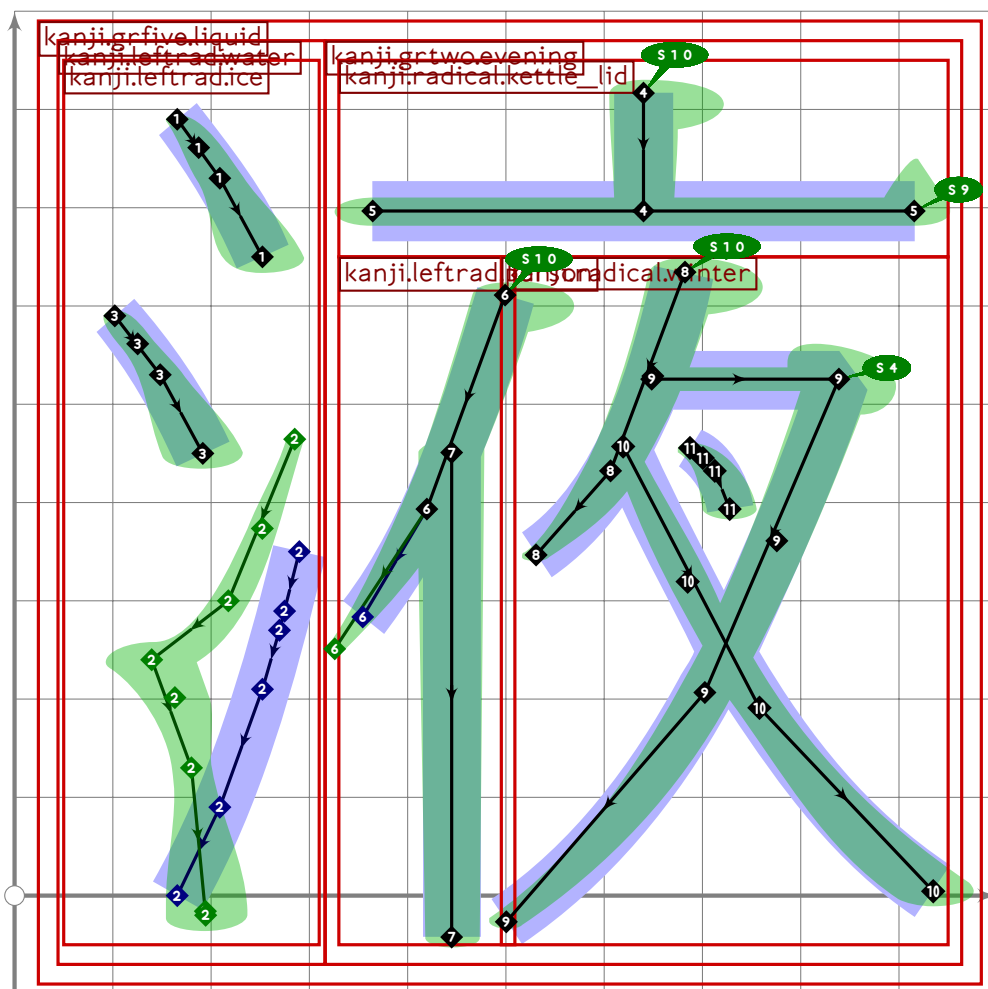


```

127
128 vardef kanji.grfive.blend =
129   push_pbox_toexpand("kanji.grfive.blend");
130   build_kanji.lr(320;20)
131     (kanji.leftrad.water)
132     (kanji.greight.insect);
133   expand_pbox;
134 enddef;

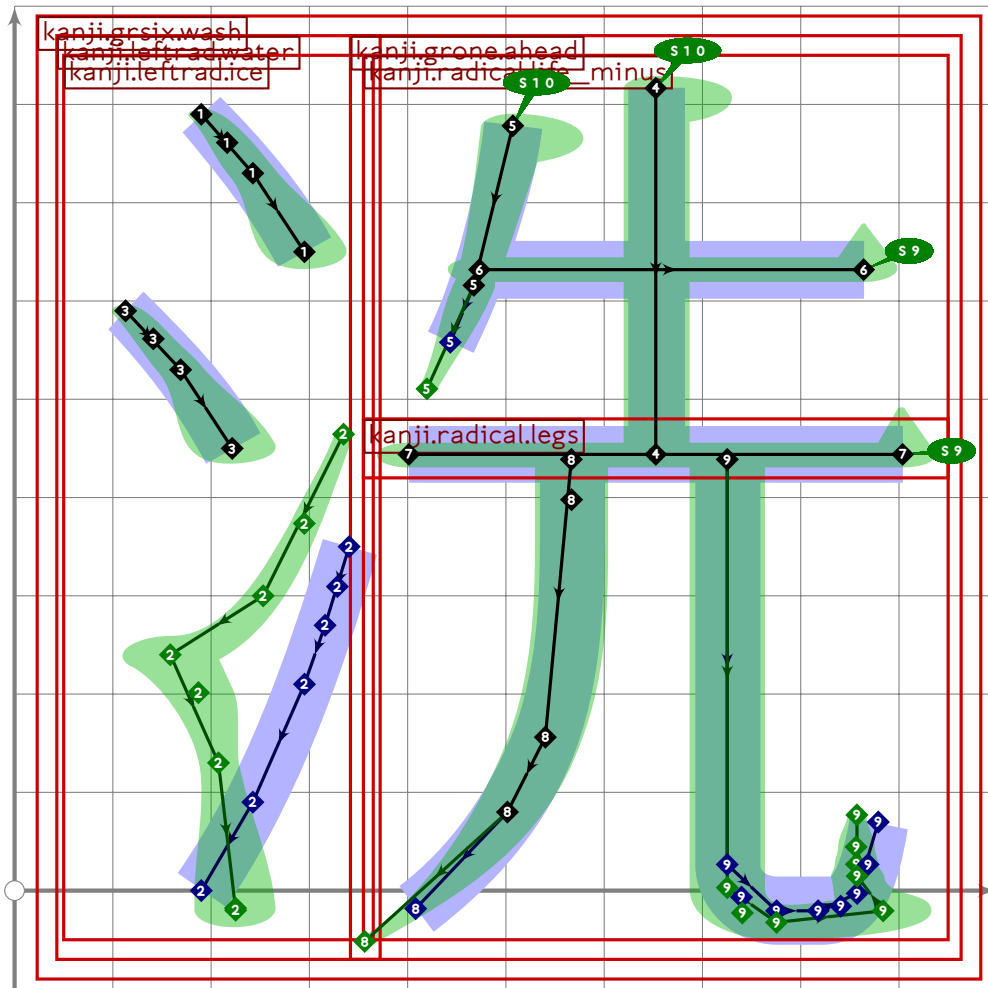
```

6D



```

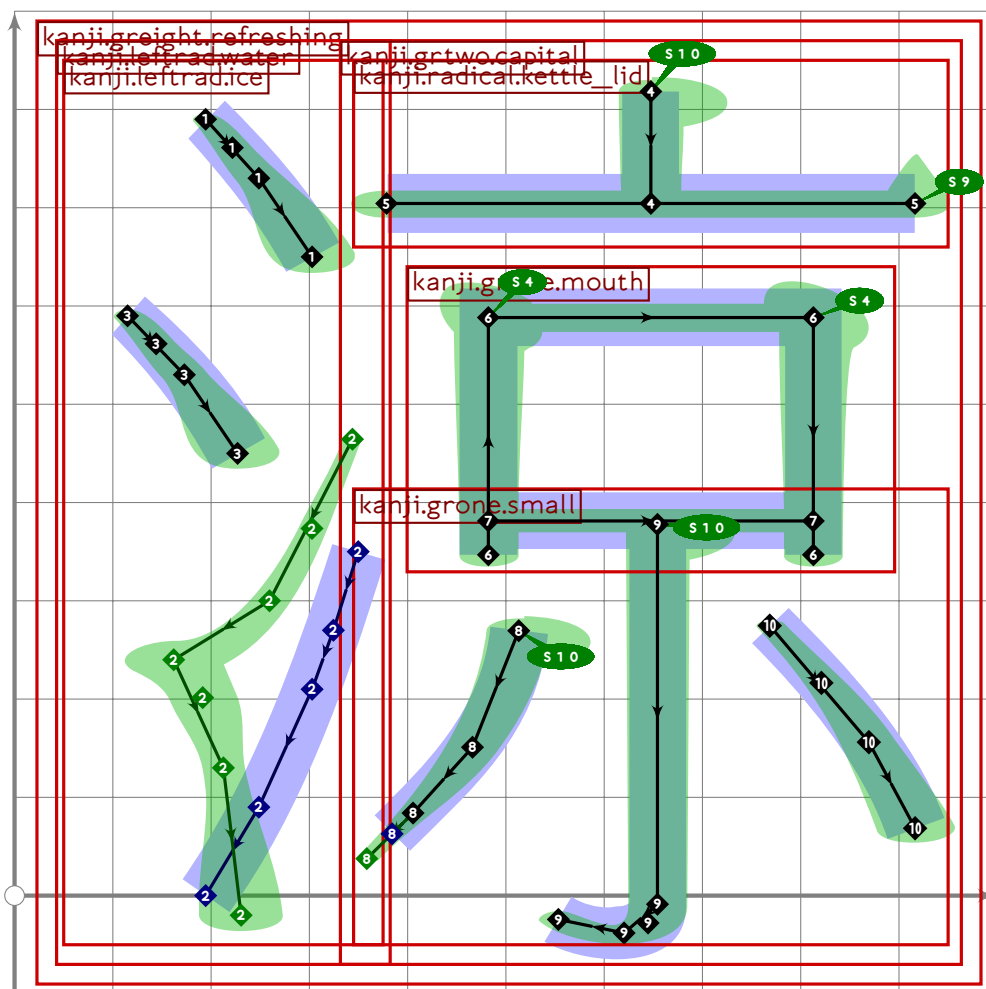
135
136 vardef kanji.grfive.liquid =
137   push_pbox_toexpand("kanji.grfive.liquid");
138   build_kanji.lr(320,-20)
139     (kanji.leftrad.water)
140     (kanji.grtwo.evening);
141   expand_pbox;
142 enddef;
143
144
```



```

145
146 vardef kanji.grsix.wash =
147   push_pbox_toexpand("kanji.grsix.wash");
148   build_kanji.lr(360,10)
149     (kanji.leftrad.water)
150     (kanji.grone.ahead);
151   expand_pbox;
152 enddef;
153
154
```

6D



```

155
156 vardef kanji.greight.refreshing =
157   push_pbox_toexpand("kanji.greight.refreshing");
158   build_kanji.lr(360,30)
159   (kanji.leftrad.water)
160   (kanji.grtwo.capital);
161   expand_pbox;
162 enddef;

```

163

164

165

166 % you "ocean"

167 beginsuglyph("uni6D0B";11);

[see page 3072]

168 kanji.grthree.ocean;

169 tsu_render;

170 endsuglyph;

171

172 % sen/ara "wash"

173 beginsuglyph("uni6D17";23);

[see page 3077]

174 kanji.grsix.wash;

175 tsu_render;

```

176 endtsuglyph;
177
178 % raku "Kyoto"
179 begintsuglyph("uni6D1B";27); [see page 958]
180 kanji.grnine.kyoto;
181 tsu_render;
182 endtsuglyph;
183
184 % katsu/i "correct"
185 begintsuglyph("uni6D3B";59); [see page 3068]
186 kanji.grtwo.vitality;
187 tsu_render;
188 endtsuglyph;
189
190 % ryuu/naga "current"
191 begintsuglyph("uni6D41";65); [see page 3070]
192 kanji.grthree.current;
193 tsu_render;
194 endtsuglyph;
195
196 % sen/asa "shallow"
197 begintsuglyph("uni6D45";69); [see page 3074]
198 kanji.grfour.shallow;
199 tsu_render;
200 endtsuglyph;
201
202 % yoku/a "bathe"
203 begintsuglyph("uni6D74";116); [see page 3073]
204 kanji.grfour.bathe;
205 tsu_render;
206 endtsuglyph;
207
208 % kai/umi "ocean"
209 begintsuglyph("uni6D77";119); [see page 3067]
210 kanji.grtwo.ocean;
211 tsu_render;
212 endtsuglyph;
213
214 % shou/ki "cancel"
215 begintsuglyph("uni6D88";136); [see page 3069]
216 kanji.grthree.cancel;
217 tsu_render;
218 endtsuglyph;
219
220 % eki "liquid"
221 begintsuglyph("uni6DB2";178); [see page 3076]
222 kanji.grfive.liquid;
223 tsu_render;

```

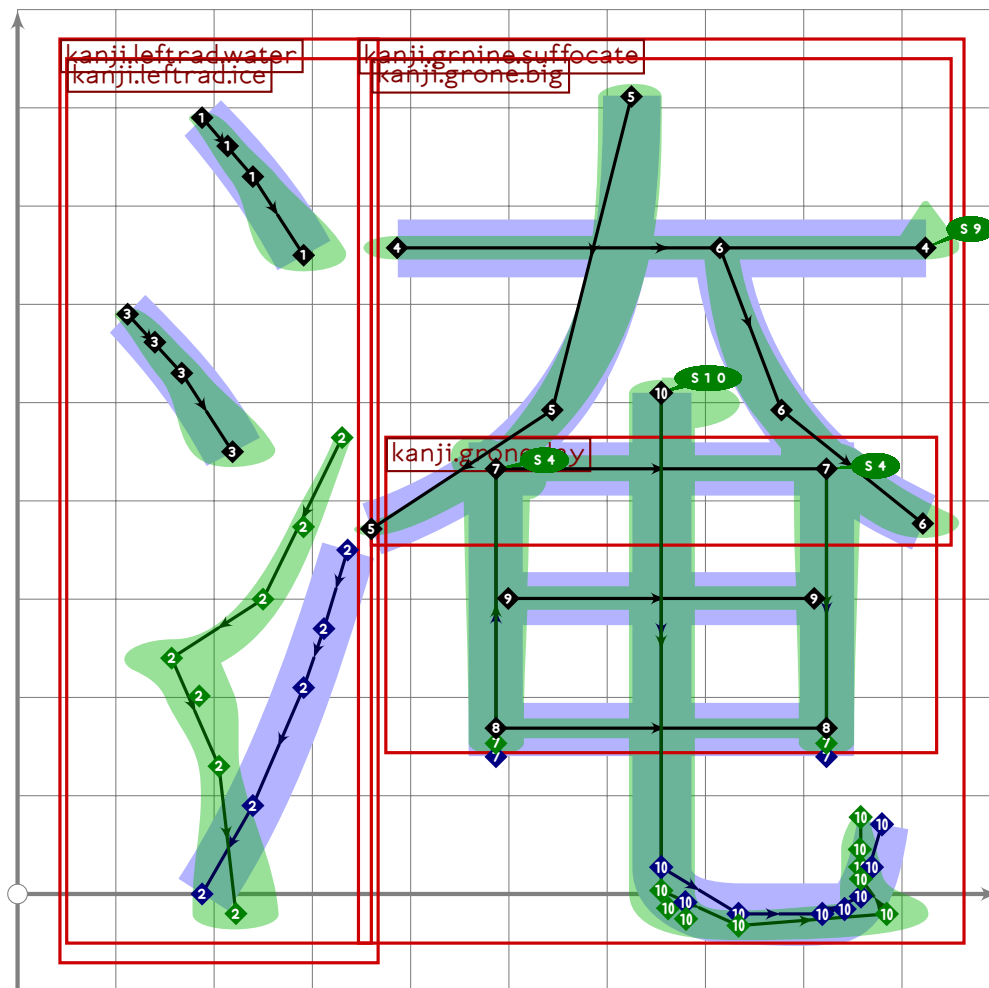

U+6DF9
tsuku.uni6DF9

```
224 endtsuglyph;  
225  
226 % ryou/suzu "refreshing"  
227 begintsuglyph("uni6DBC";188);  
228   kanji.greight.refreshing;  
229   tsu_render;  
230 endtsuglyph;  
231  
232 % name of a specific river in China, needed for grfive "semi"  
233 begintsuglyph("uni6DEE";238);  
234   kanji.rare.huai_river;  
235   tsu_render;  
236 endtsuglyph;  
237
```

[see page 3078]

[see page 1020]

6D



```
238 % extra en/i "soak" (in particular, making tea or coffee)  
239 begintsuglyph("uni6DF9";249);  
240   build_kanji.lr(360,0)  
241     (kanji.leftrad.water)  
242     (kanji.grnine.suffocate);  
243   tsu_render;  
244 endtsuglyph;
```

```
245
246 % shin/fuka "deep"
247 begintsuglyph("uni6DF1";241); [see page 3071]
248   kanji.grthree.deep;
249   tsu_render;
250 endtsuglyph;
251
252 % kon/ma "blend"
253 begintsuglyph("uni6DF7";247); [see page 3075]
254   kanji.grfive.blend;
255   tsu_render;
256 endtsuglyph;
257
258 _____
259
260 endfont;
261
262 _____
```

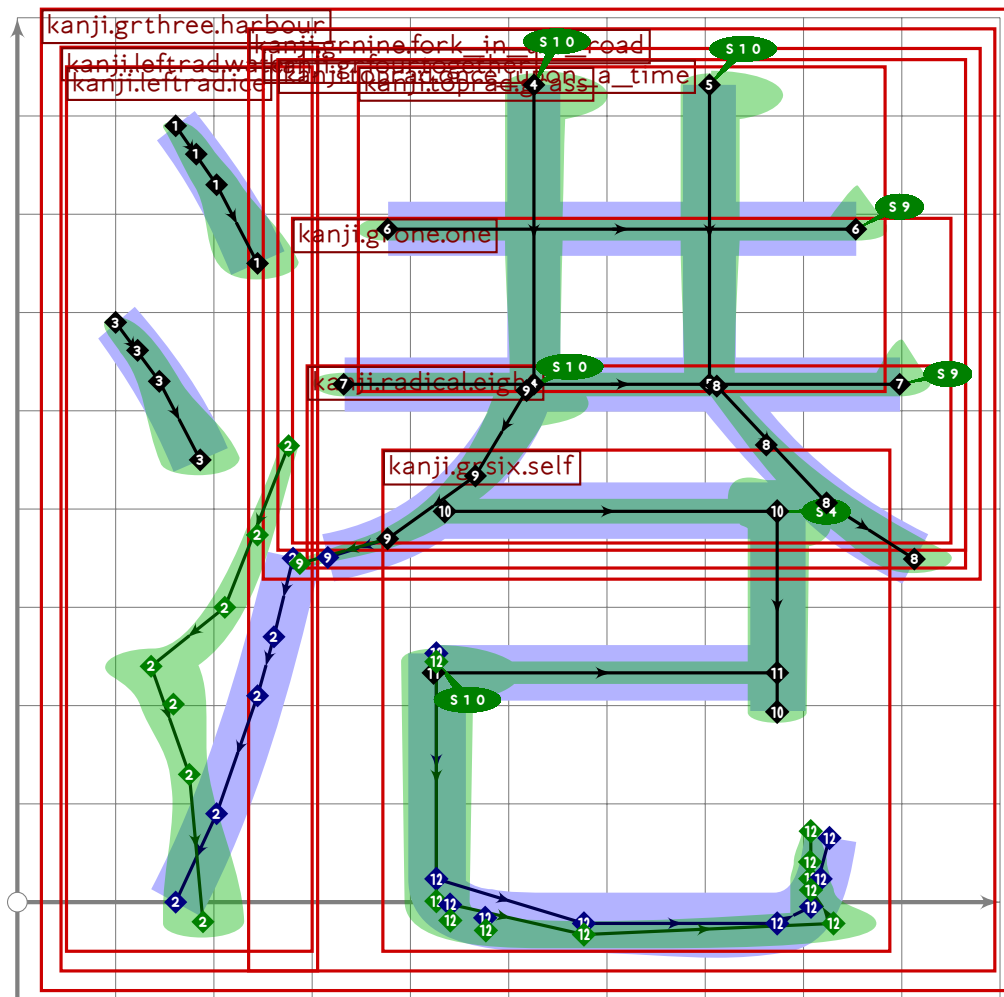
```
1 %
2 % Unicode page 6E (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input 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 

---


```



6E

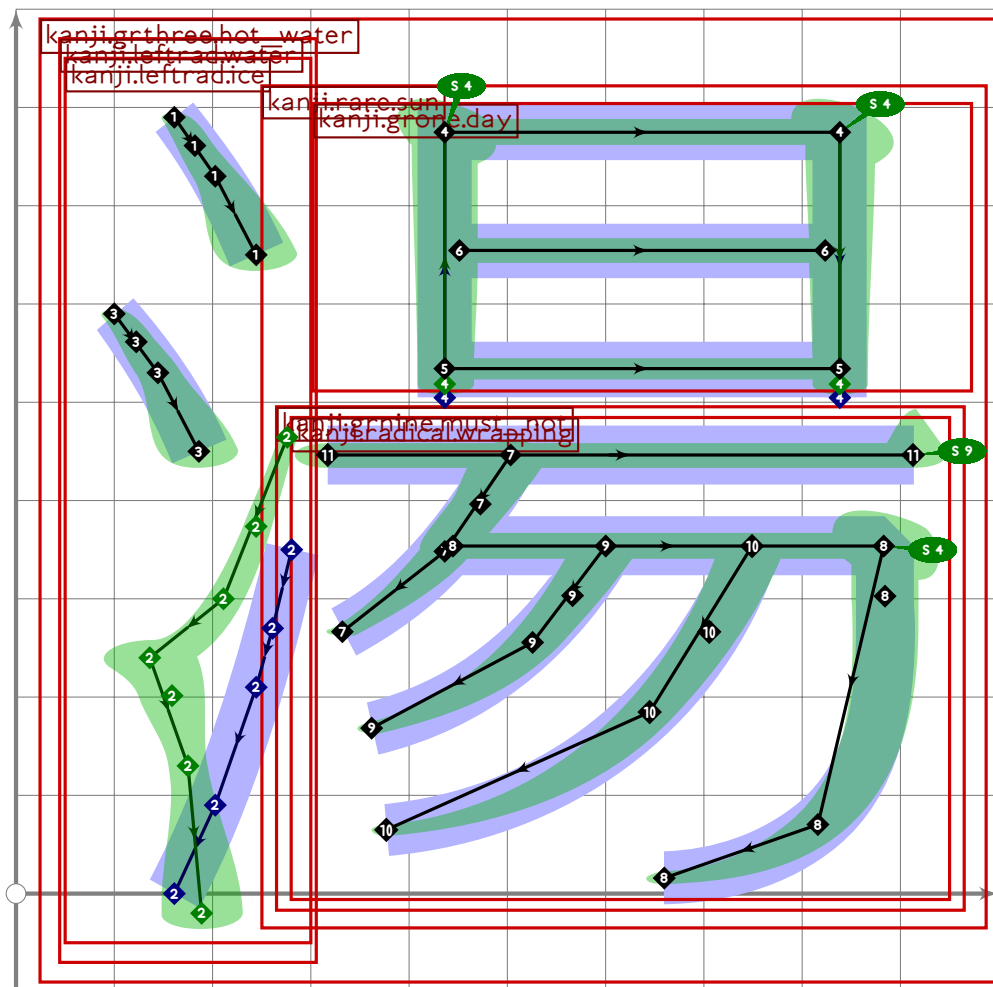
```

55
56 vardef kanji.grthree.harbour =
57   push_pbox_toexpand("kanji.grthree.harbour");
58   build_kanji.lr(290,20)
59   (kanji.leftrad.water)
60   (kanji.grnine.fork_in_the_road);
61   expand_pbox;
62 enddef;

```

U+6E6F
tsuku.uni6E6F

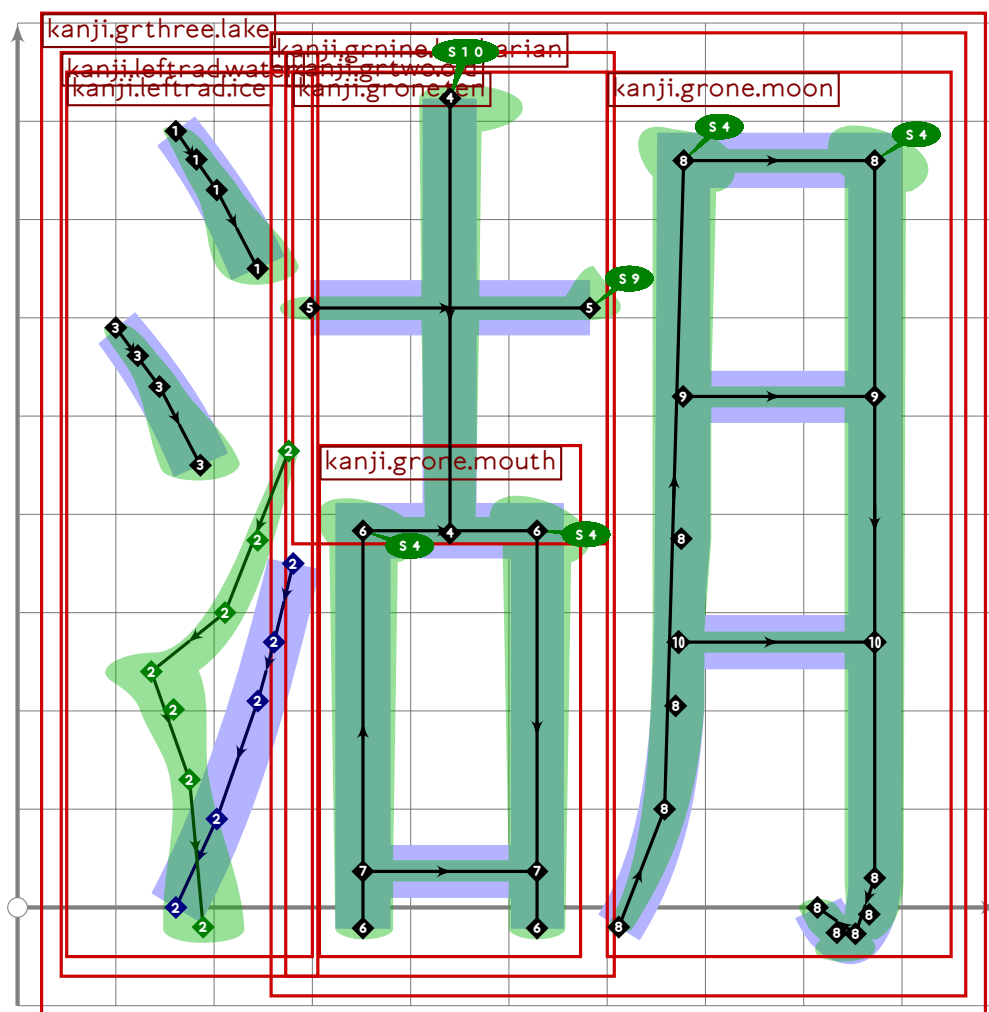
6E



```

63
64 vardef kanji.grthree.hot_water =
65   push_pbox_toexpand("kanji.grthree.hot_water");
66   build_kanji.lr(290,20)
67     (kanji.leftrad.water)
68     (build_kanji.sscale(yscaled 0.9)(kanji.rare.sun));
69   expand_pbox;
70 enddef;

```

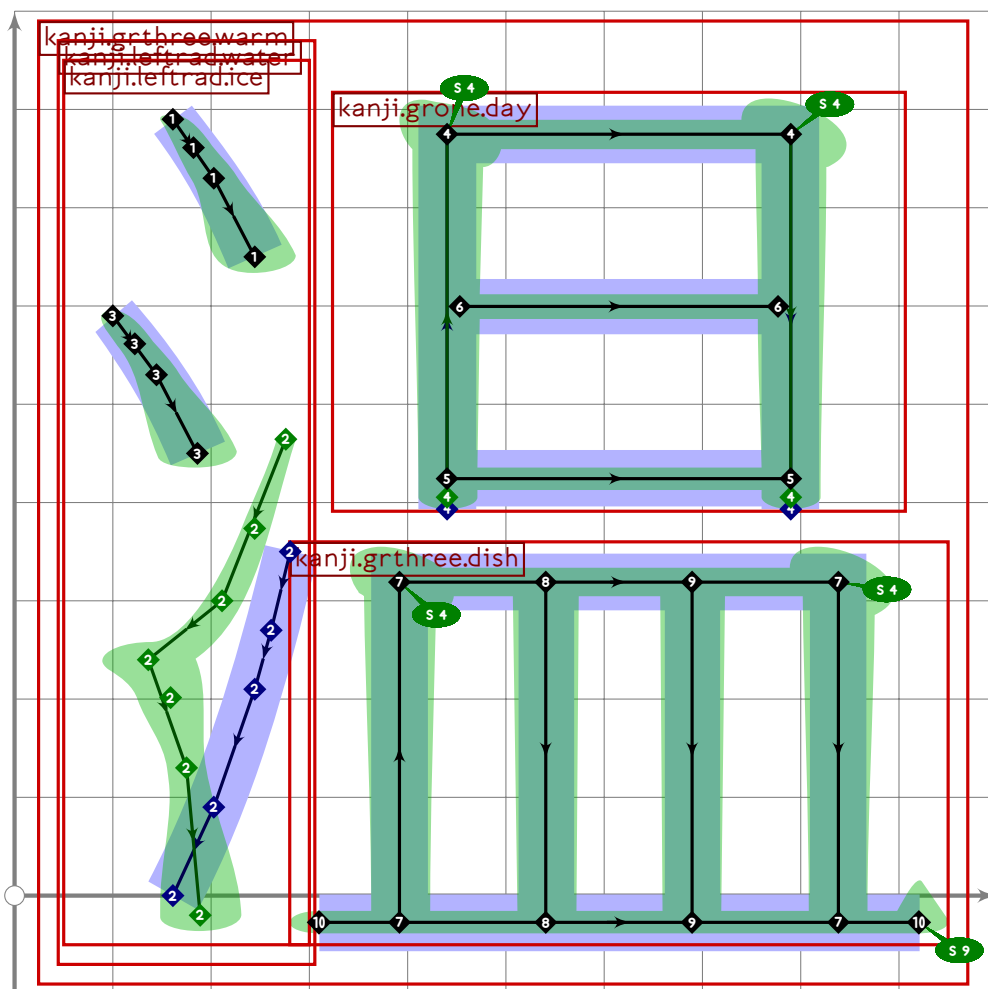


6E

```

71
72 vardef kanji.grthree.lake =
73   push_pbox_toexpand("kanji.grthree.lake");
74   build_kanji.lr(290,20)
75     (kanji.leftrad.water)
76     (kanji.grnine.barbarian);
77   expand_pbox;
78 enddef;

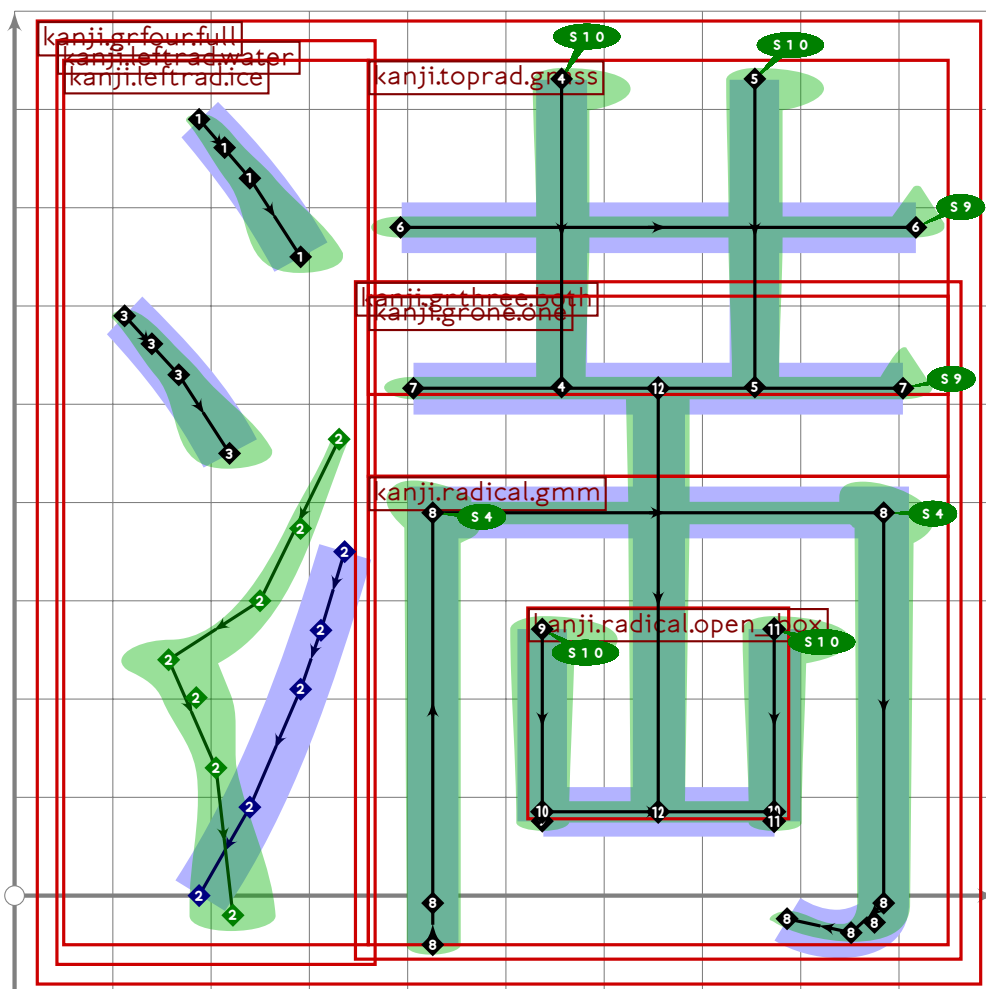
```



```

79
80 vardef kanji.grthree.warm =
81   push_pbox_toexpand("kanji.grthree.warm");
82   build_kanji.lr(290,20)
83     (kanji.leftrad.water)
84     (build_kanji.level(build_kanji.tb(360,0)
85       (build_kanji.sscale(scaled 0.87)(kanji.grone.day))
86       (kanji.grthree.dish)));
87   expand_pbox;
88 enddef;
89
90

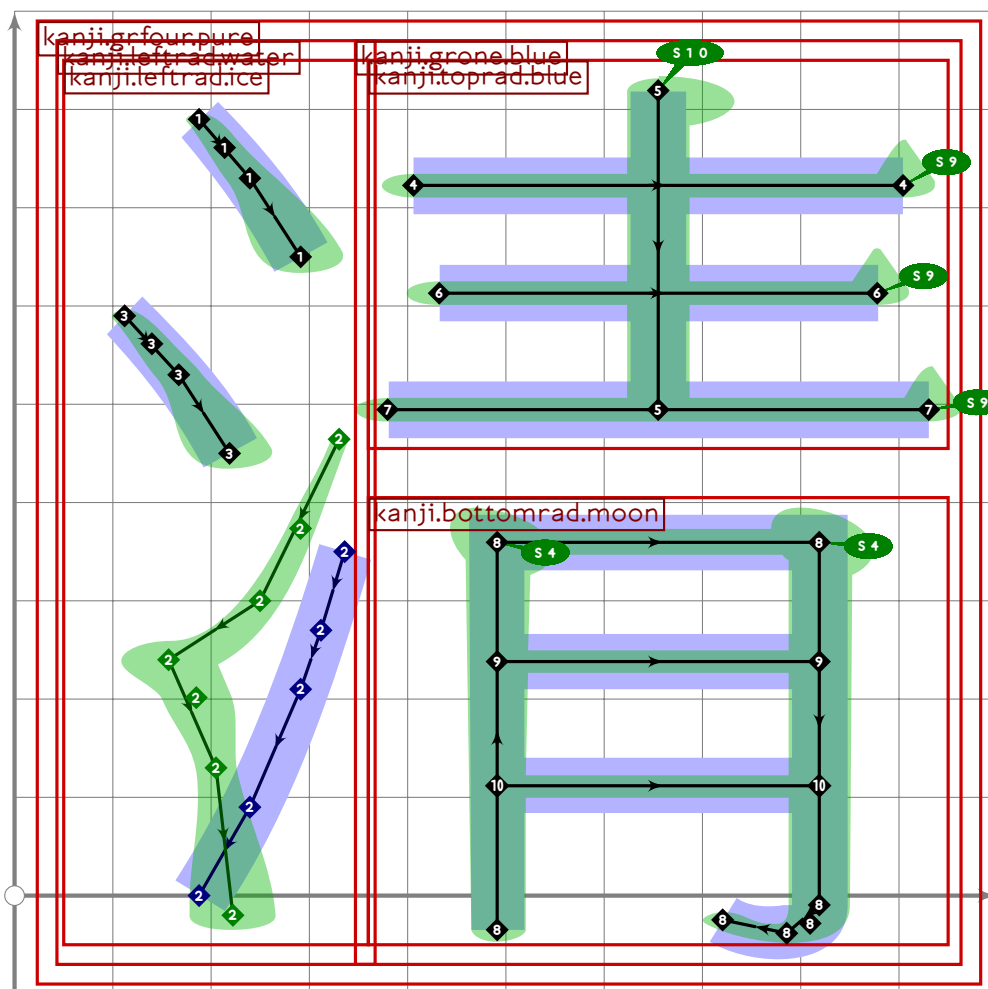
```



```

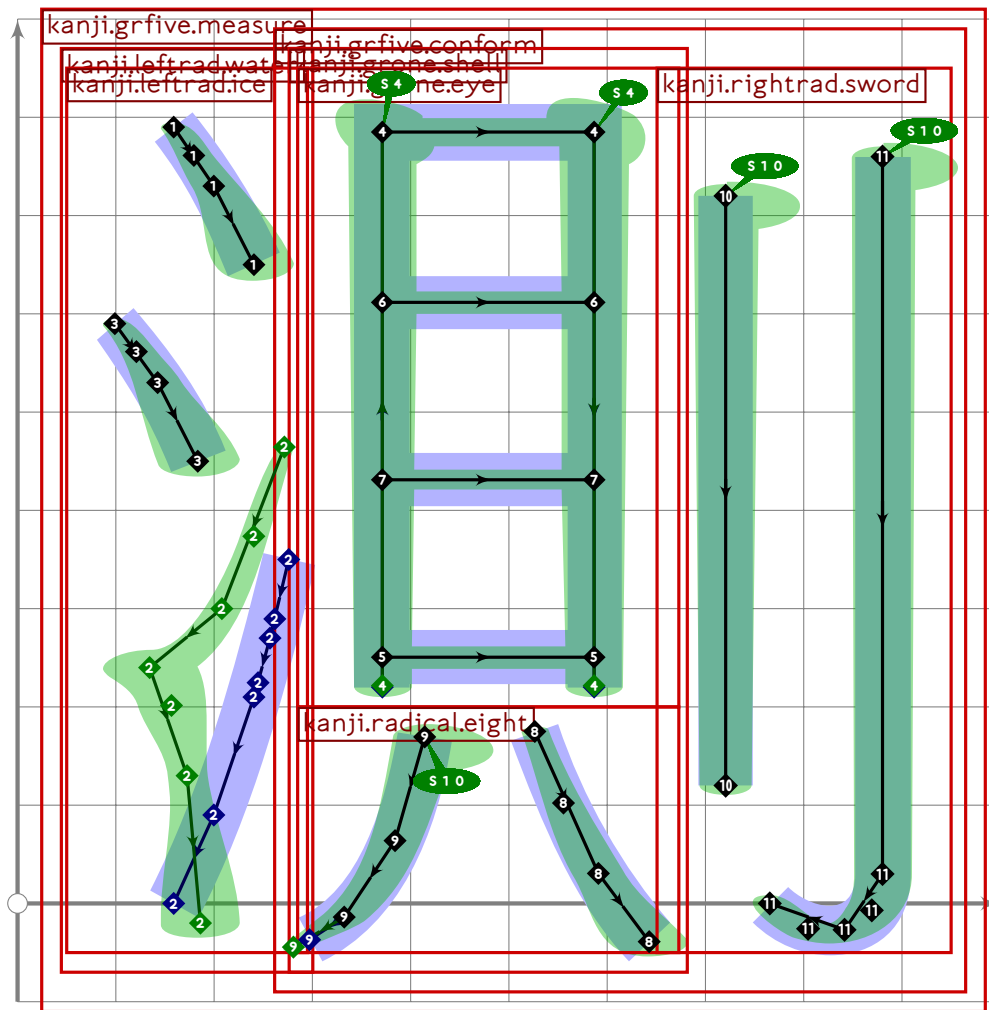
91
92 vardef kanji.grfour.full =
93   push_pbox_toexpand("kanji.grfour.full");
94   build_kanji.lr(360,0)
95     (kanji.leftrad.water)
96     (build_kanji.level(build_kanji.tb(560,100)
97       (kanji.toprad.grass)
98       (kanji.grthree.both)));
99   expand_pbox;
100 enddef;

```

```

101
102 vardef kanji.grfour.pure =
103   push_pbox_toexpand("kanji.grfour.pure");
104   build_kanji.lr(360,0)
105     (kanji.leftrad.water)
106     (kanji.grone.blue);
107   expand_pbox;
108 enddef;
109
110
```



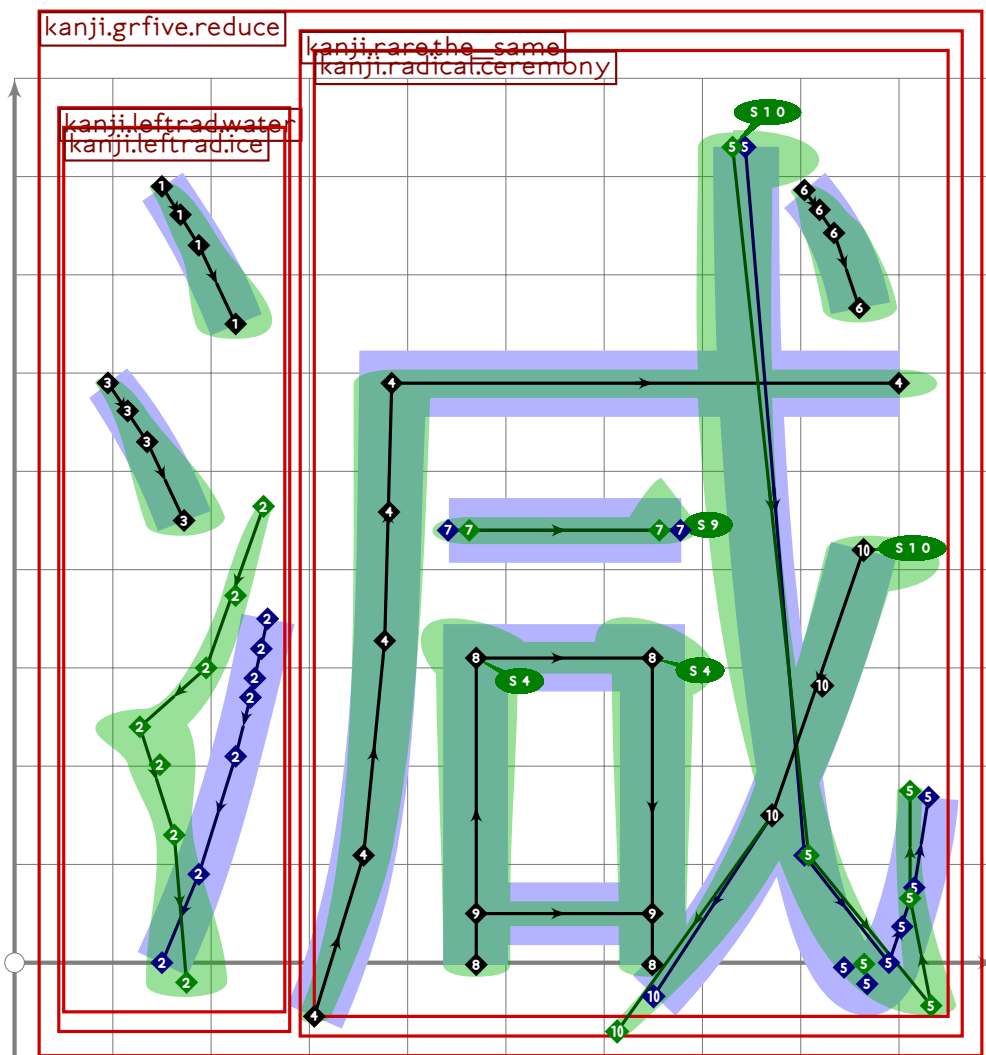
6E

```

111
112 vardef kanji.grfive.measure =
113   push_pbox_toexpand("kanji.grfive.measure");
114   build_kanji.lr(290,10)
115     (kanji.leftrad.water)
116     (kanji.grfive.conform);
117   expand_pbox;
118 enddef;

```

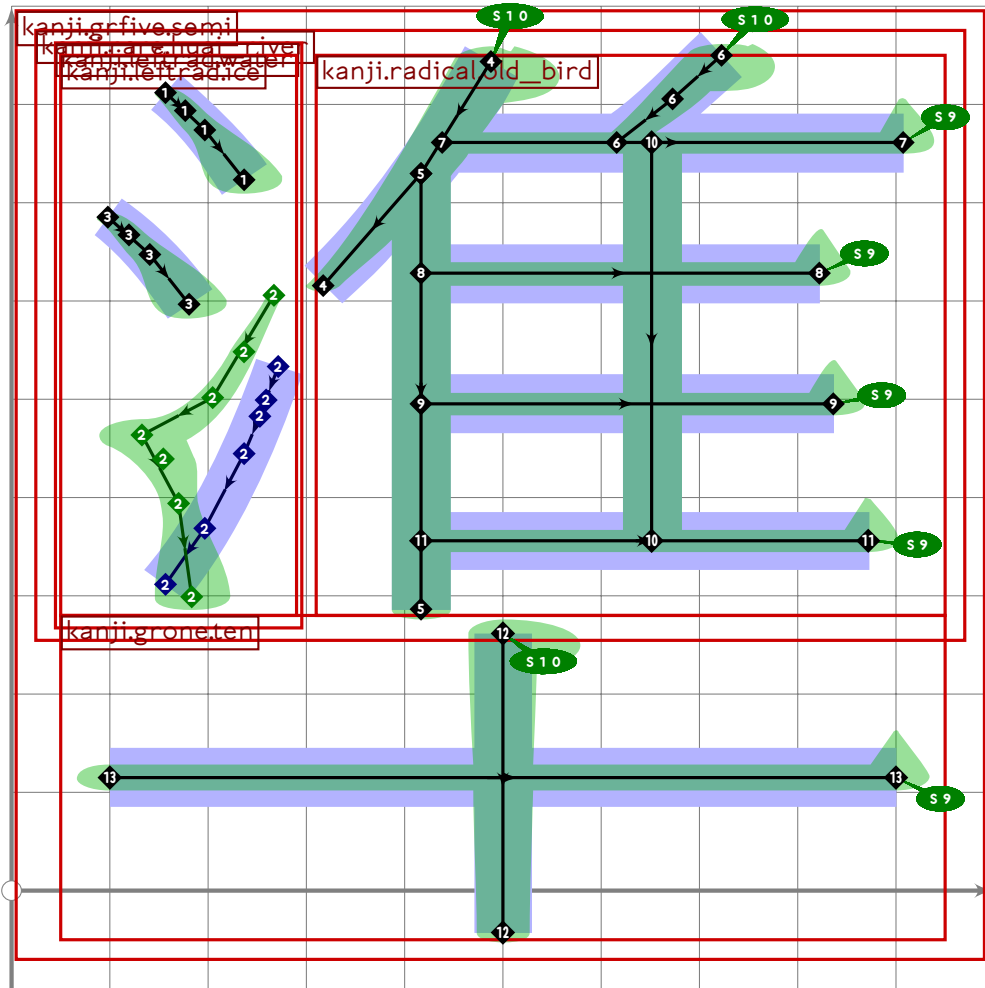
6E



```

119
120 vardef kanji.grfive.reduce =
121   push_pbox_toexpand("kanji.grfive.reduce");
122   build_kanji.lr(290;30)
123     (kanji.leftrad.water)
124     (kanji.rare.the_same);
125   expand_pbox;
126 enddef;

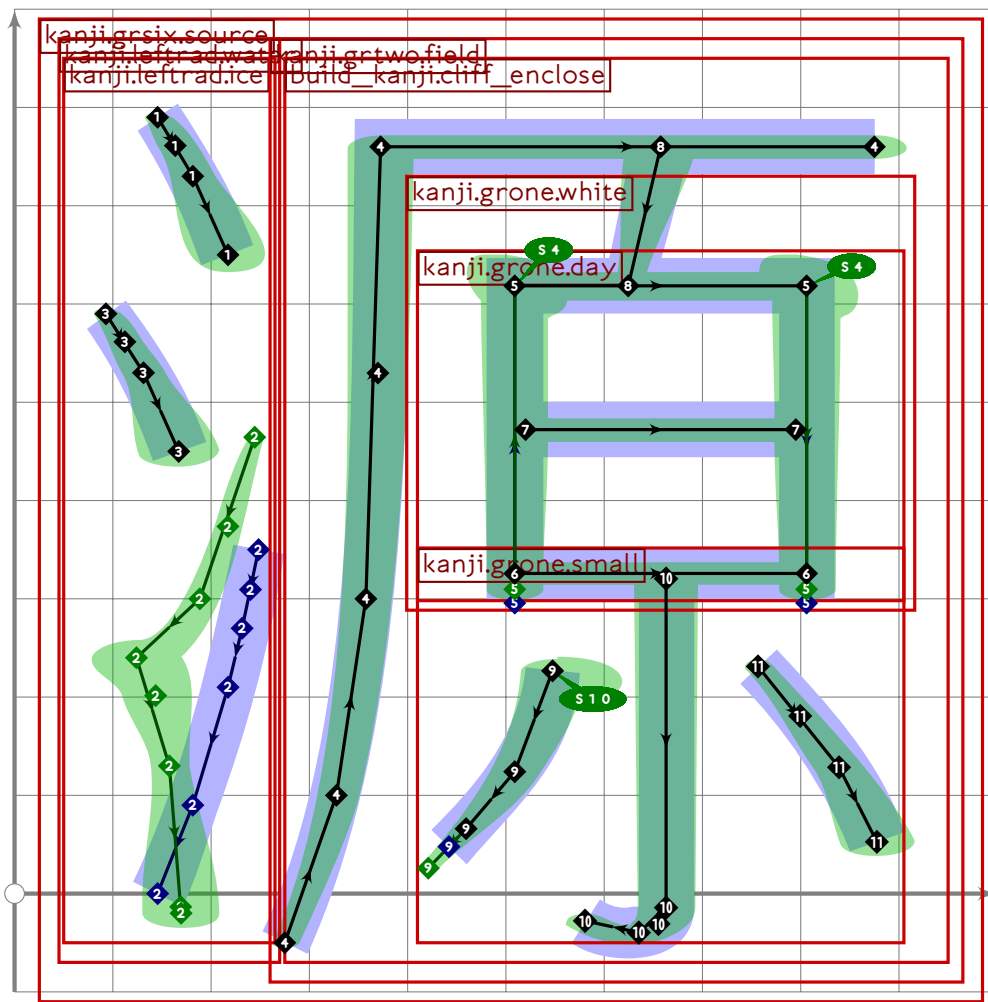
```



```

127
128 vardef kanji.grfive.semi =
129   push_pbox_toexpand("kanji.grfive.semi");
130   build_kanji.tb(280,0)
131     (kanji.rare.huai_river)
132     (kanji.grone.ten);
133   expand_pbox;
134 enddef;
135
136

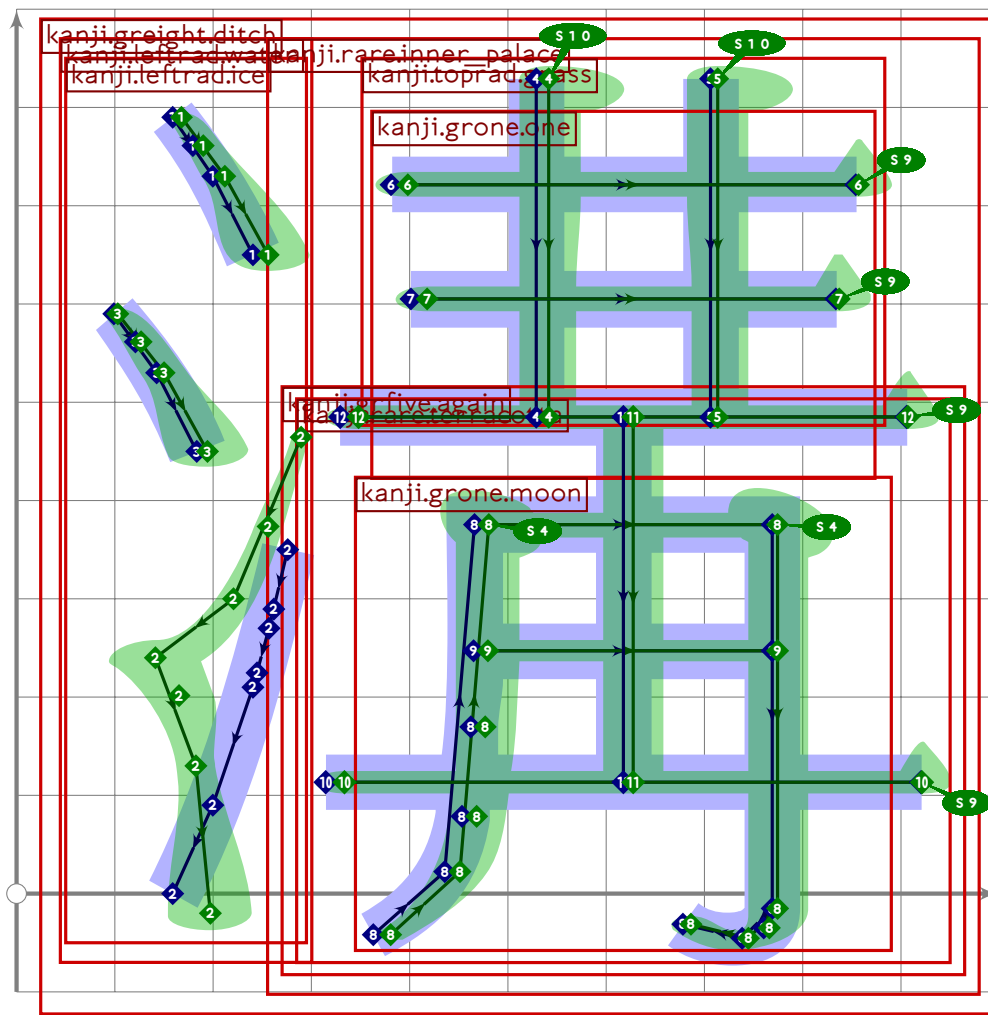
```



```

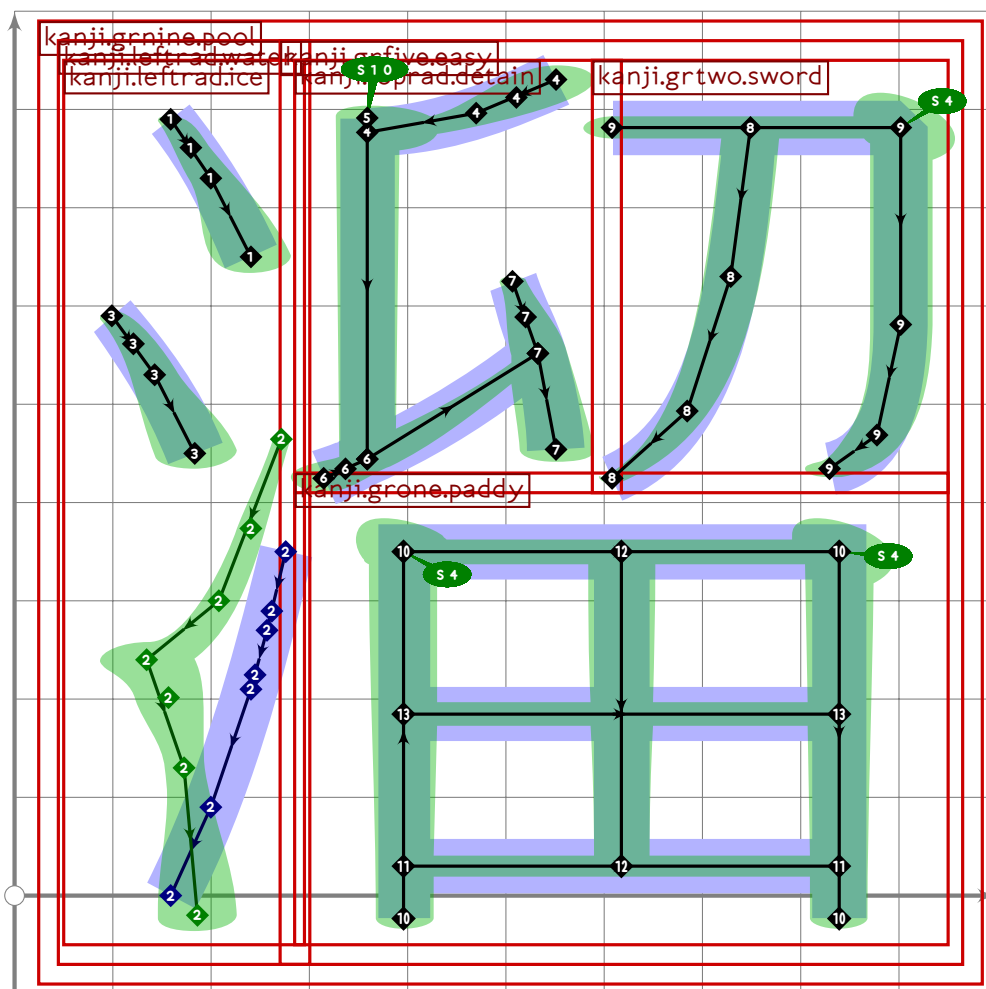
137
138 vardef kanji.grsix.source =
139   push_pbox_toexpand("kanji.grsix.source");
140   build_kanji.lr(270,10)
141     (kanji.leftrad.water)
142     (kanji.grtwo.field);
143   expand_pbox;
144 enddef;
145
146

```



```

147
148 vardef kanji.greight.ditch =
149   push_pbox_toexpand("kanji.greight.ditch");
150   build_kanji.lr(290+20*mincho,10)
151     (kanji.leftrad.water)
152     (kanji.rare.inner_palace);
153   expand_pbox;
154 enddef;
155
156
```



```

157
158 vardef kanji.grnine.pool =
159   push_pbox_toexpand("kanji.grnine.pool");
160   build_kanji.lr(290,10)
161     (kanji.leftrad.water)
162     (kanji.grfive.detain);
163   expand_pbox;
164 enddef;
165
166
167
168 % sei/kiyo "pure"
169 begintsuglyph("uni6E05",5);
170   kanji.grfour.pure;
171   tsu_render;
172 endtsuglyph;
173
174 % gen/he "reduce"
175 begintsuglyph("uni6E1B",27);
176   kanji.grfive.reduce;
177   tsu_render;

```

[see page 3088]

[see page 3090]

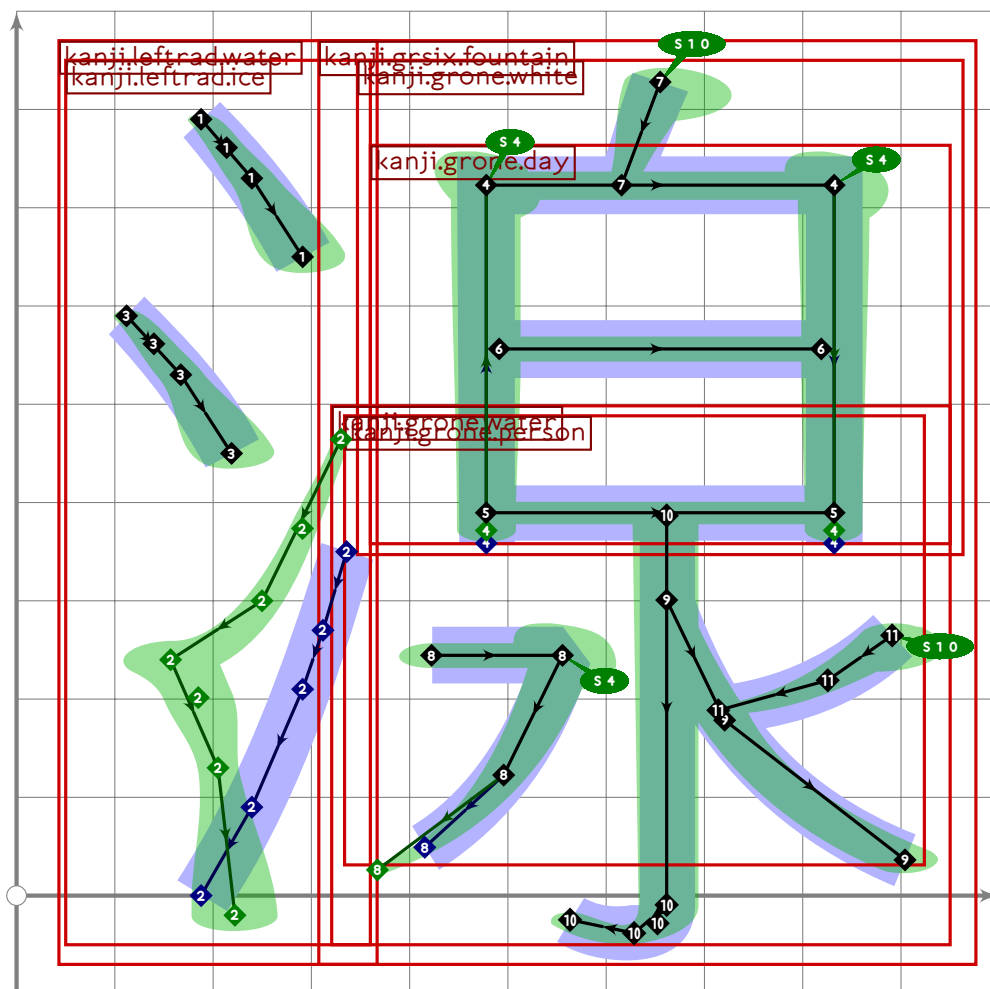
```

178 endtsuglyph;
179
180 % on/atata "warm"
181 begintsuglyph("uni6E29";41); [see page 3086]
182   kanji.grthree.warm;
183   tsu_render;
184 endtsuglyph;
185
186 % soku/haka "measure"
187 begintsuglyph("uni6E2C";44); [see page 3089]
188   kanji.grfive.measure;
189   tsu_render;
190 endtsuglyph;
191
192 % kou/minato "harbour"
193 begintsuglyph("uni6E2F";47); [see page 3083]
194   kanji.grthree.harbour;
195   tsu_render;
196 endtsuglyph;
197
198 % tou/you "hot water"
199 begintsuglyph("uni6E6F";111); [see page 3084]
200   kanji.grthree.hot_water;
201   tsu_render;
202 endtsuglyph;
203
204 % ko/mizuumi "lake"
205 begintsuglyph("uni6E56";86); [see page 3085]
206   kanji.grthree.lake;
207   tsu_render;
208 endtsuglyph;
209

```


U+6E76
tsuku.uni6E76

6E



```

210 % extra
211 begintsuglyph("uni6E76";118);
212   build_kanji.lr(360,0)
213     (kanji.leftrad.water)
214     (kanji.grsix.fountain);
215   tsu_render;
216 endtsuglyph;

```

```

217
218 % man/mi "full"
219 begintsuglyph("uni6E80";128);
220   kanji.grfour.full;
221   tsu_render;
222 endtsuglyph;

```

[see page 3087]

```

223
224 % gen/minamoto "source" (also "gen" as in "Genji Monogatari")
225 begintsuglyph("uni6E90";144);
226   kanji.grsix.source;
227   tsu_render;
228 endtsuglyph;

```

[see page 3092]

```

229
230 % jun/jun "semi-" (or quasi-, para-, etc.)

```

231 begintsuglyph("uni6E96";150);

[see page 3091]

232 kanji.grfive.semi;

233 tsu_render;

234 endtsuglyph;

235

236 % ryuu/ta "pool" or "collect"

237 begintsuglyph("uni6E9C";156);

[see page 3094]

238 kanji.grnine.pool;

239 tsu_render;

240 endtsuglyph;

241

242 % kou/miso "ditch"

243 begintsuglyph("uni6E9D";157);

[see page 3093]

244 kanji.greight.ditch;

245 tsu_render;

246 endtsuglyph;

247

248

249

250 endfont;

251

252

tsuku-6f.mp

6F

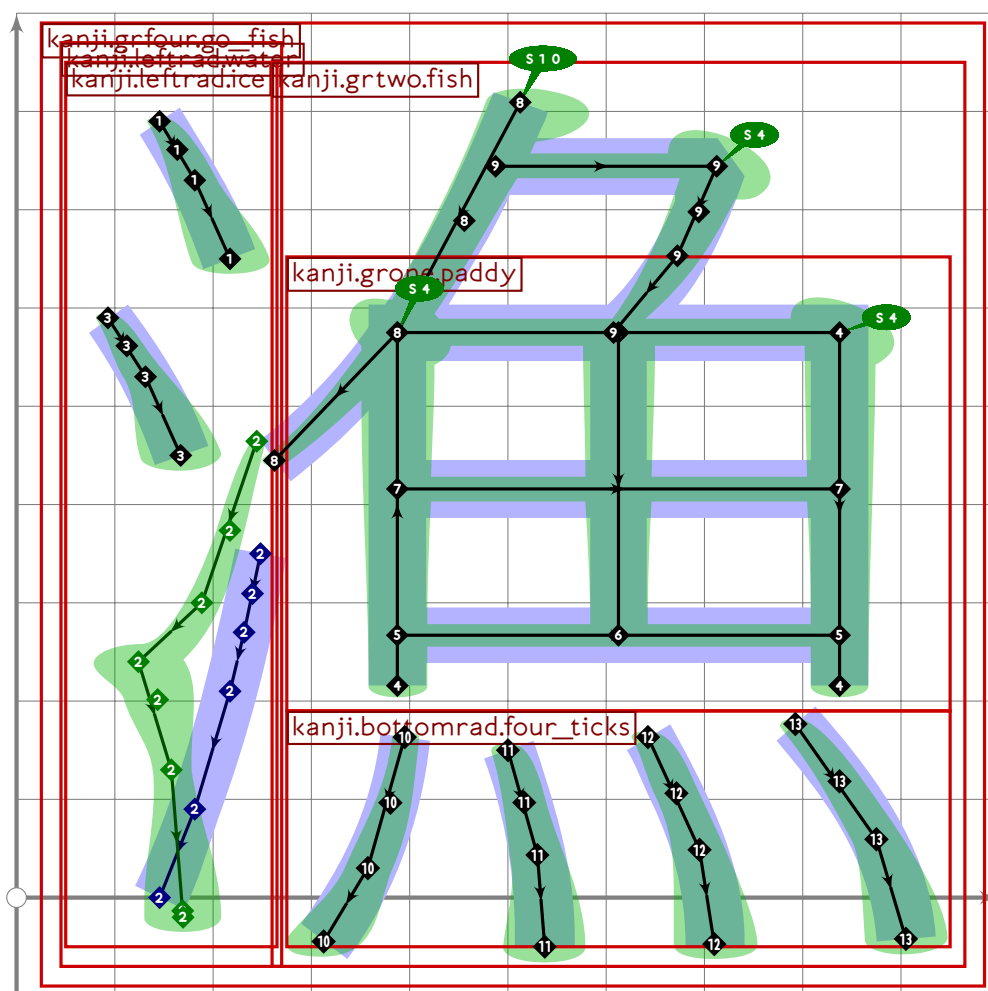
```
1 %
2 % Unicode page 6F (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---


```

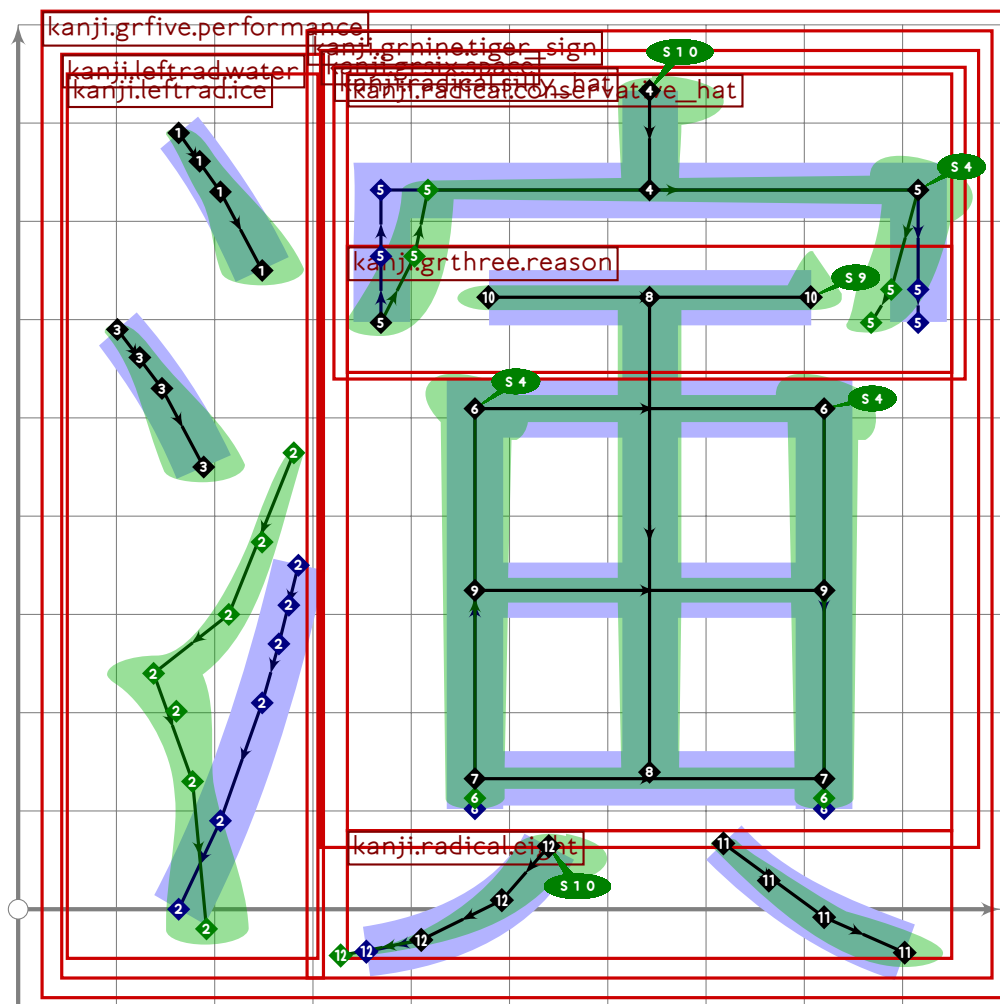


6F

```

51
52 vardef kanji.grfour.go_fish =
53   push_pbox_toexpand("kanji.grfour.go_fish");
54   build_kanji.lr(270,-10)
55     (kanji.leftrad.water)
56     (kanji.grtwo.fish);
57   expand_pbox;
58 enddef;
59
60

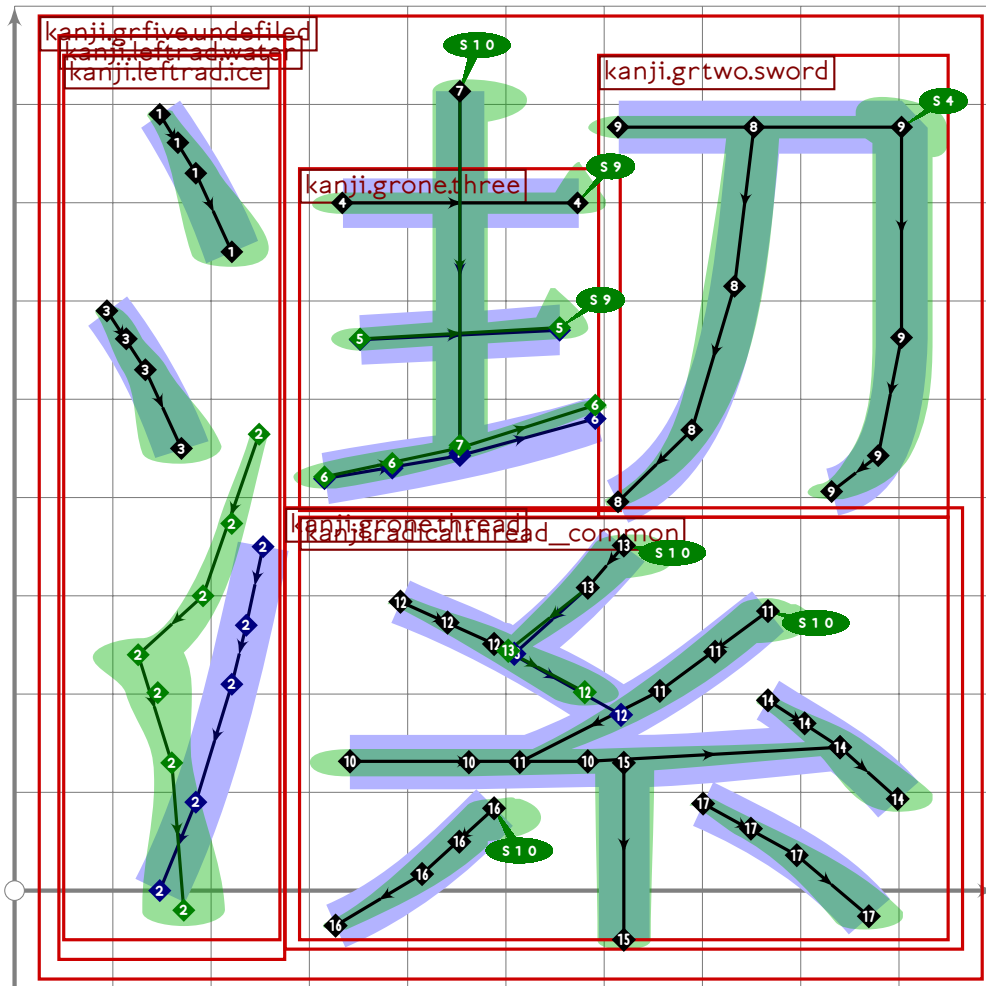
```



```

61
62 vardef kanji.grfive.performance =
63   push_pbox_toexpand("kanji.grfive.performance");
64   build_kanji.lr(320;30)
65     (kanji.leftrad.water)
66     (kanji.grnine.tiger_sign);
67   expand_pbox;
68 enddef;
69

```



70 % can't easily refactor this because it uses (only in the Japanese form)

71 % a strange left-side variant of U+4E30 with the bottom clipped off

72 vardef kanji.grfive.undefiled =

73 push_pbox_toexpand("kanji.grfive.undefiled");

74 build_kanji.lr(280;20)

75 (kanji.leftrad.water)

76 (build_kanji.tb(380,0)

77 (build_kanji.lr(480,30)

78 (build_kanji.level(build_kanji.lift_skirt(370,150+30*mincho)

79 (tsu_xform(identity yscaled 0.74)(kanji.grone.three);

80 push_stroke((500,780)-(500,0),

81 (1.6,1.6)-(1.5,1.5));

82 set_boserif(0,0,10))))

83 (kanji.grtwo.sword))

84 (kanji.grone.thread));

85 expand_pbox;

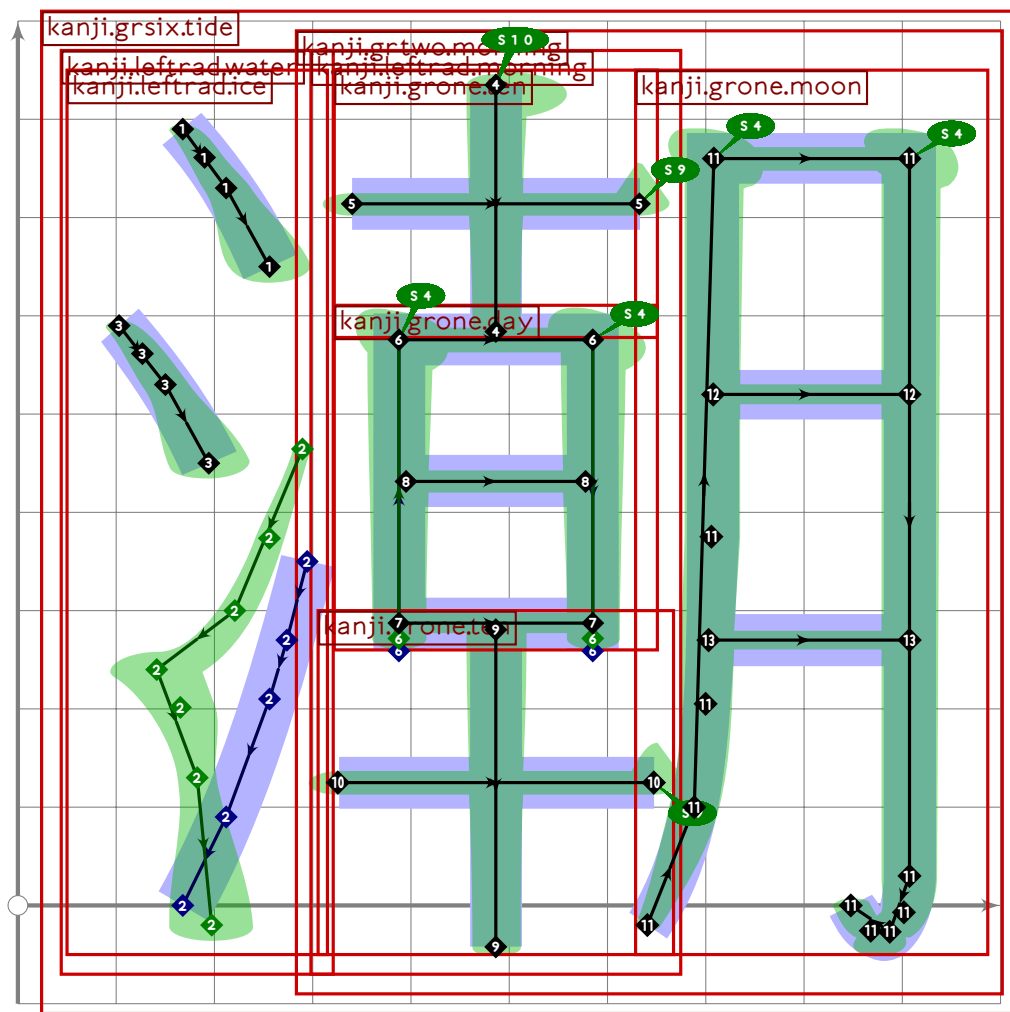
86 enddef;

87

88

U+6F6E
tsuku.uni6F6E

6F



```

89
90 vardef kanji.grsix.tide =
91   push_pbox_toexpand("kanji.grsix.tide");
92   build_kanji.lr(300,30)
93     (kanji.leftrad.water)
94     (kanji.grtwo.morning);
95   expand_pbox;
96 enddef;
97
98
99
100 % gyo/asa "go fish"
101 begintsuglyph("uni6F01";1);
102   kanji.grfour.go_fish;
103   tsu_render;
104 endtsuglyph;
105
106 % en "performance"
107 begintsuglyph("uni6F14";20);
108   kanji.grfive.performance;
109   tsu_render;

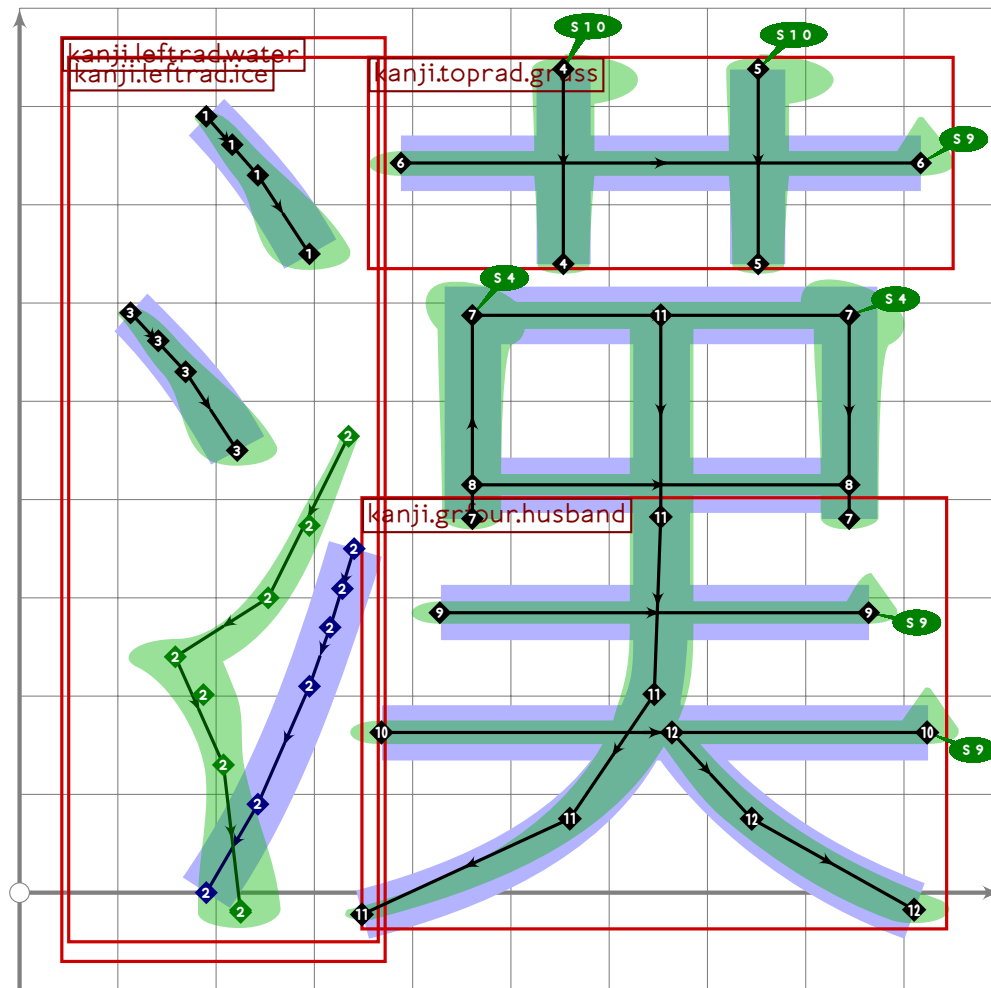
```

[see page 3099]

[see page 3100]

110 endtsuglyph;

111



6F

112 % kan "Chinese"

113 begintsuglyph("uni6F22";34);

114 build_kanji.level(build_kanji.lr(360,10)

115 (kanji.leftrad.water)

116 (build_kanji.tb(630,-10)

117 (kanji.toprad.grass)

118 (build_kanji.box((210,800),(790,570));

119 tsu_xform(identity yscaled 0.65 shifted (-10,0))

120 (kanji.grfour.husband);

121 replace_strokep(-1)((500,800)-oldp);

122 replace_strokeq(-1)((1.6,1.6)-oldq);

123 set_boserif(-1,0,whatever))));

124 tsu_render;

125 endtsuglyph;

126

127 % ketsu/isagiyo "undefiled" (clean, pure)

128 begintsuglyph("uni6F54";84);

129 kanji.grfive.undefiled;

130 tsu_render;

[see page 3101]


```
131 endtsuglyph;
132
133 % chou/shio "tide" (or "opportunity")
134 begintsuglyph("uni6F6E";110); [see page 3102]
135   kanji.grsix.tide;
136   tsu_render;
137 endtsuglyph;
138
139 _____
140
141 endfont;
142
143 _____
```

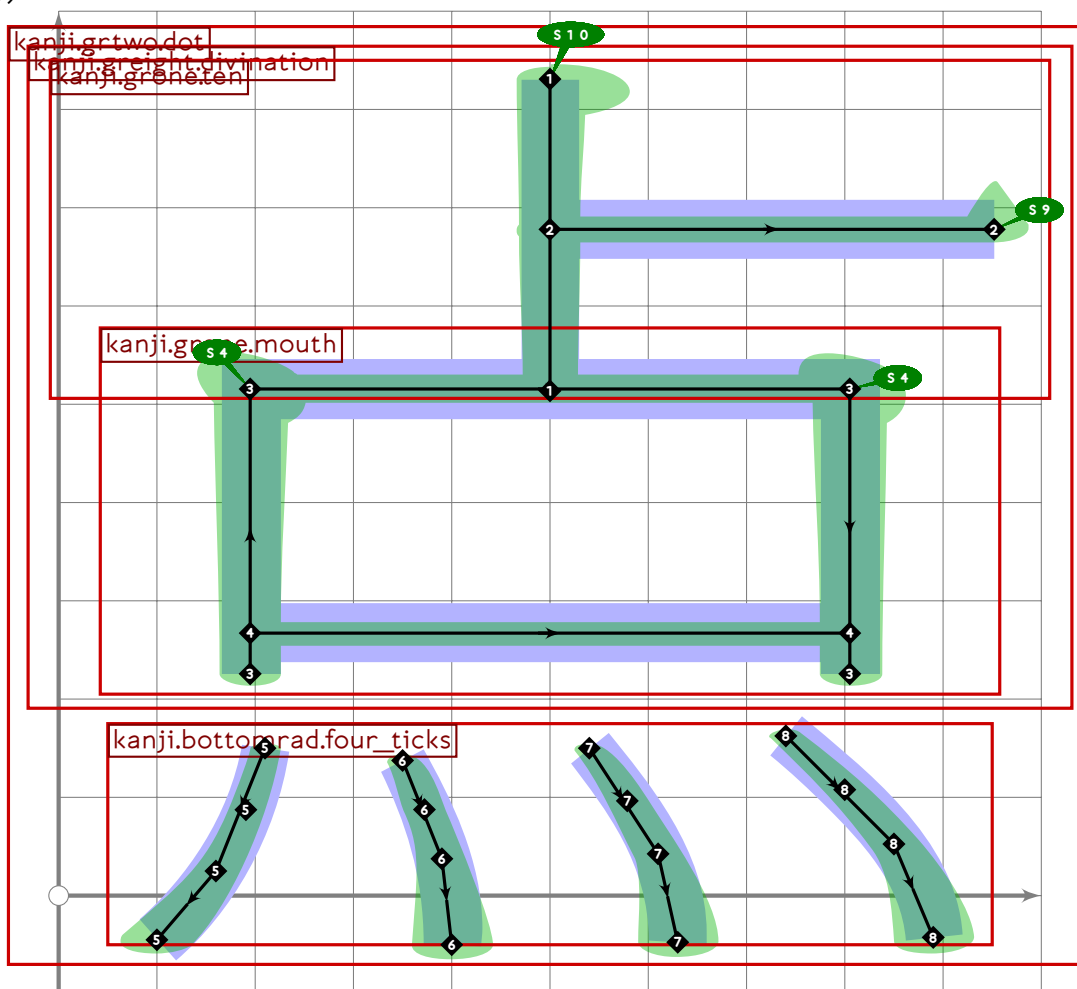
```
1 %
2 % Unicode page 70 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input gradeeight.mp;
40 input gradeone.mp;
41 input gradesix.mp;
42 input gradethree.mp;
43 input leftrad.mp;
44 input radical.mp;
45
46 do_late_includes;
47
48 

---

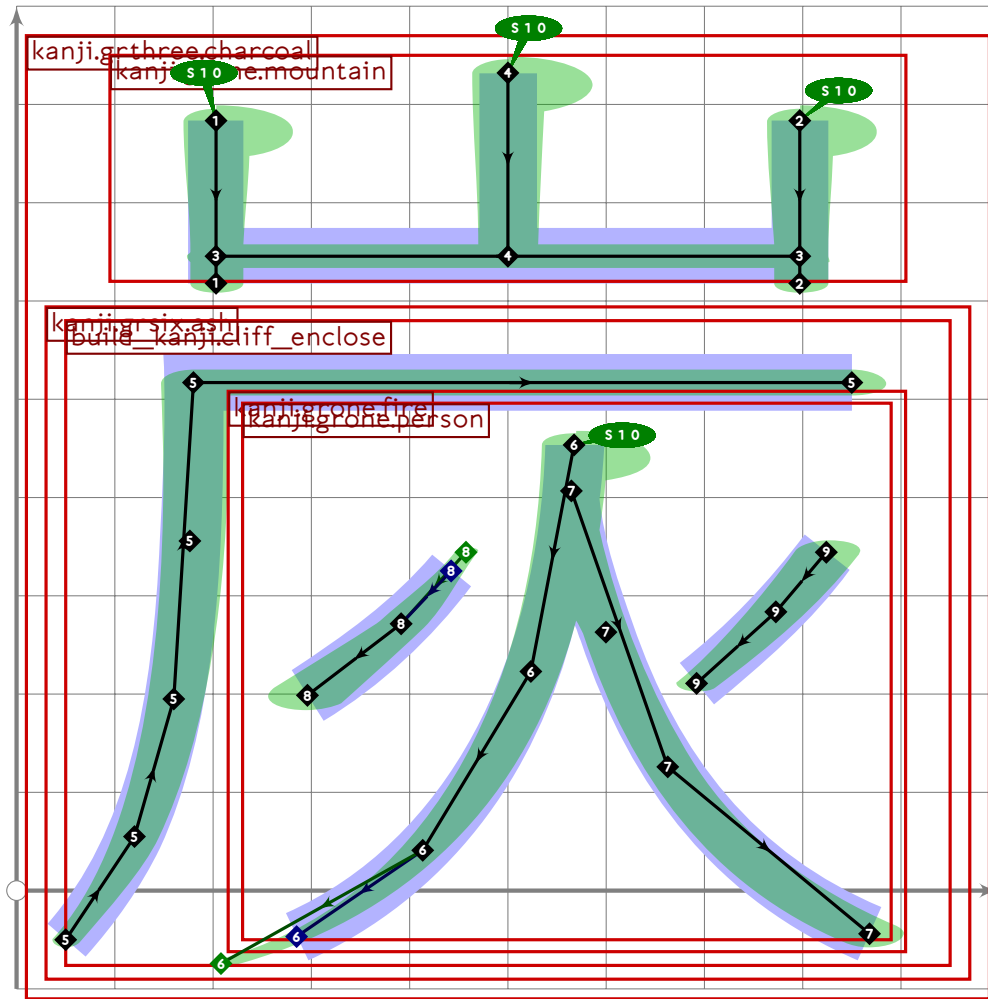

49
```



```

50 % "point" is a reserved word
51 vardef kanji.grtwo.dot =
52   push_pbox_toexpand("kanji.grtwo.dot");
53   build_kanji.tb(190,-30)
54     (build_kanji.sscale(xscaled 1.13)
55       (kanji.greight.divination))
56     (kanji.bottomrad.four_ticks);
57   expand_pbox;
58 enddef;
59
60

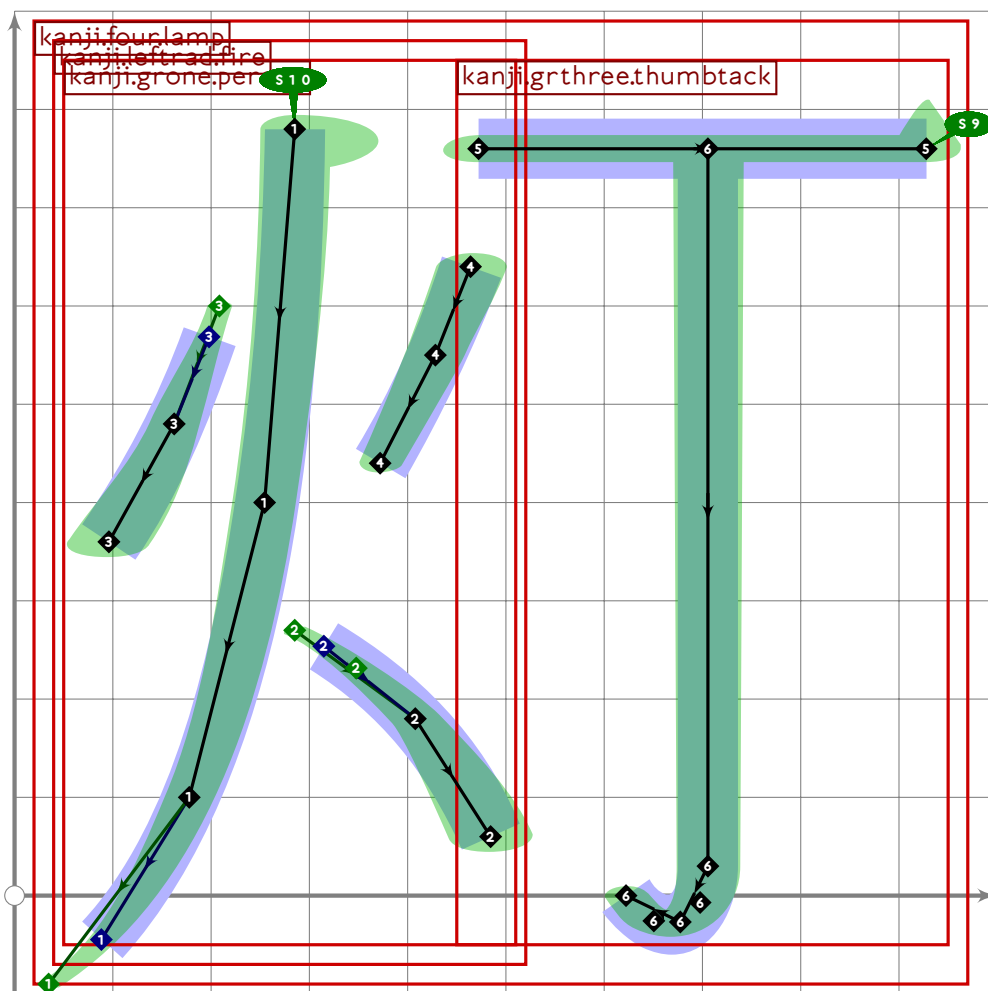
```



```

61
62 vardef kanji.grthree.charcoal =
63   push_pbox_toexpand("kanji.grthree.charcoal");
64   build_kanji.level(build_kanji.tb(600,-40)
65     (build_kanji.sscale(xscaled 0.9)(kanji.grone.mountain))
66     (kanji.grsix.ash));
67   expand_pbox;
68 enddef;
69
70

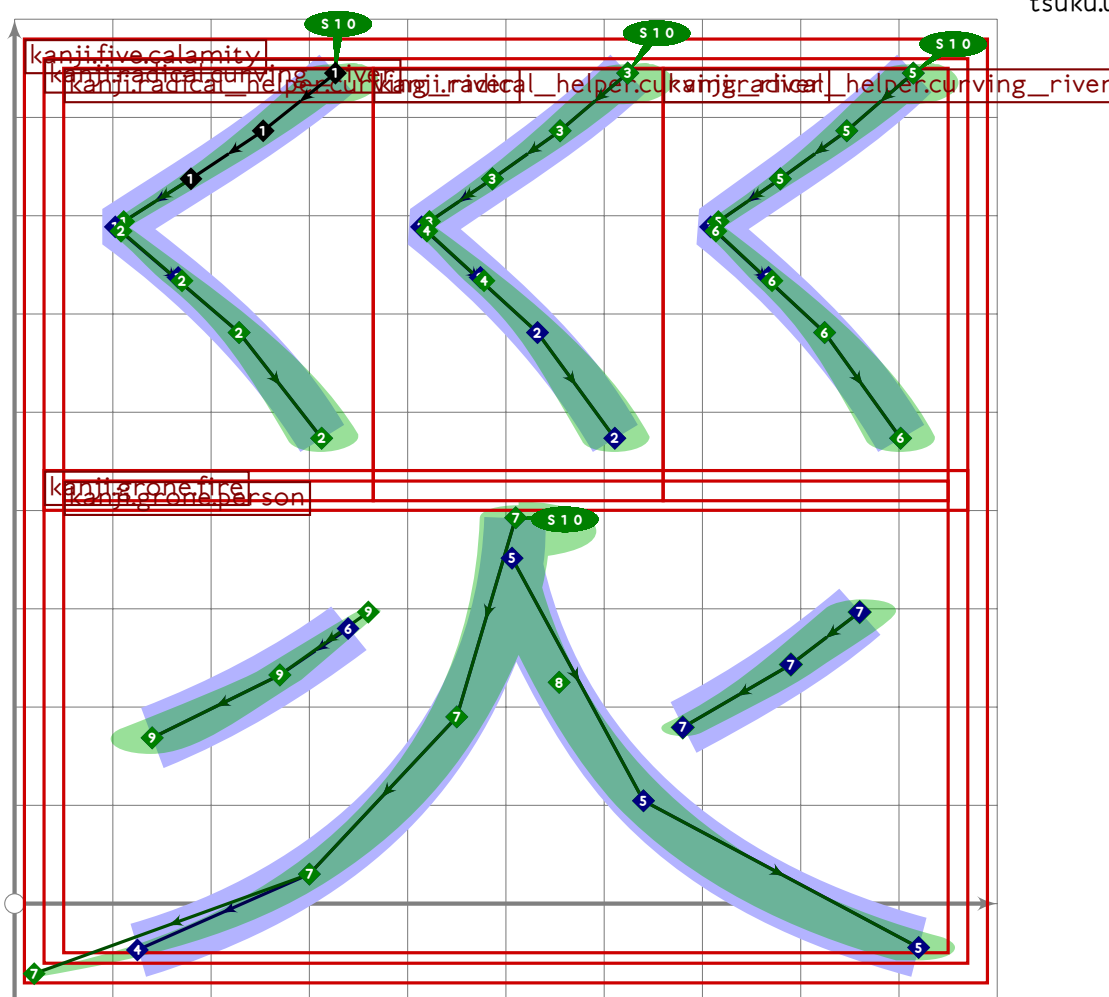
```



```

71
72 vardef kanji.grfour.lamp =
73   push_pbox_toexpand("kanji.four.lamp");
74   build_kanji.level(build_kanji.lr(480,60)
75     (kanji.leftrad.fire)
76     (kanji.grthree.thumbtack));
77   expand_pbox;
78 enddef;
79
80

```



70

```

81
82 vardef kanji.grfive.calamity =
83   push_pbox_toexpand("kanji.fire.calamity");
84   build_kanji.tb(420,20)
85     (kanji.radical.curving_river)
86     (kanji.grone.fire);
87   expand_pbox;
88 enddef;
89
90
91
92 % hi/ka "fire"
93 beginsuglyph("uni706B",107);
94   kanji.grone.fire;
95   tsu_render;
96 endtsuglyph;
97
98 % tou/hi "lamp"
99 beginsuglyph("uni706F",111);
100   kanji.grfour.lamp;
101   tsu_render;

```

[see page 438]

[see page 3108]

```

102 endtsuglyph;
103
104 % kai/hai "ash"
105 begintsuglyph("uni7070";112); [see page 786]
106   kanji.grsix.ash;
107   tsu_render;
108 endtsuglyph;
109
110 % sai/wazawa "calamity"
111 begintsuglyph("uni707D";125); [see page 3109]
112   kanji.grfive.calamity;
113   tsu_render;
114 endtsuglyph;
115
116 % en/honoo "inflammation"
117 begintsuglyph("uni708E";142); [see page 908]
118   kanji.greight.inflammation;
119   tsu_render;
120 endtsuglyph;
121
122 % tan/sumi "charcoal"
123 begintsuglyph("uni70AD";173); [see page 3107]
124   kanji.grthree.charcoal;
125   tsu_render;
126 endtsuglyph;
127
128 % ten/tsu "point"
129 begintsuglyph("uni70B9";185); [see page 3106]
130   kanji.grtwo.dot;
131   tsu_render;
132 endtsuglyph;
133
134 _____
135
136 endfont;
137
138 _____

```

tsuku-71.mp

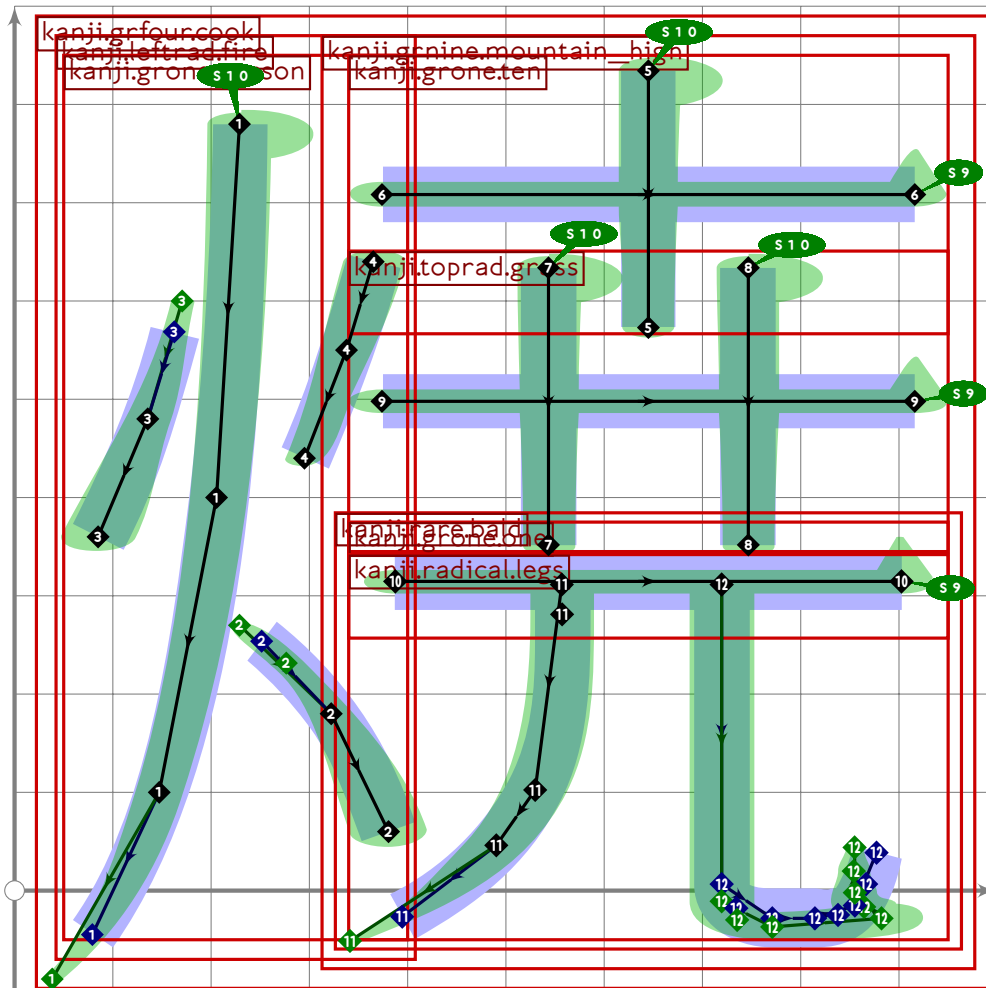
```
1 %
2 % Unicode page 71 (Kanji) for Tsukurimashou
3 % Copyright (C) 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

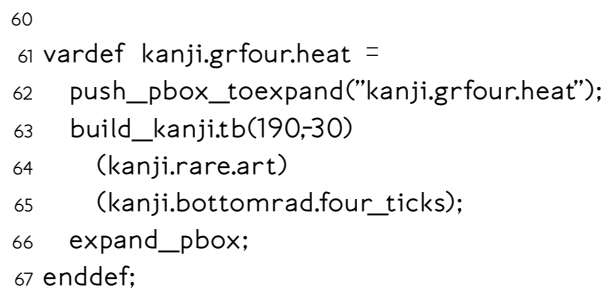

```

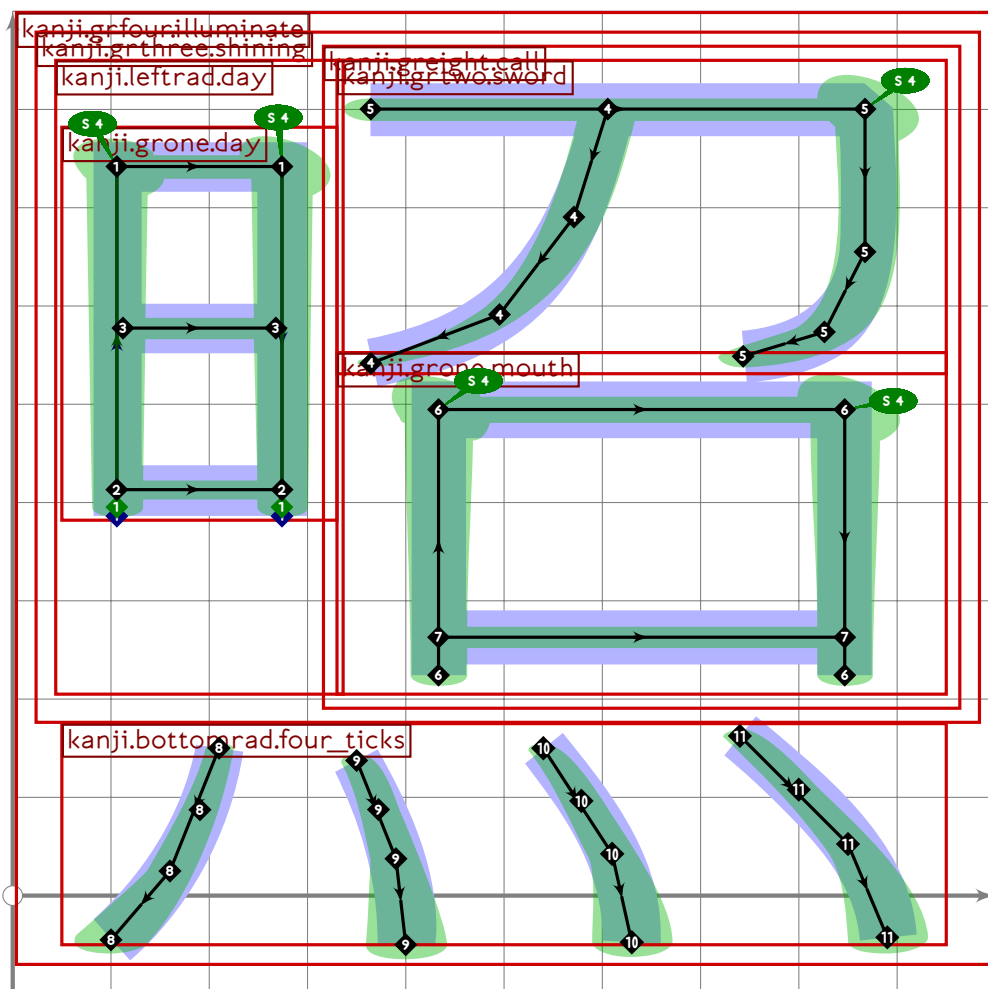



```

52
53 vardef kanji.grfour.cook =
54   push_pbox_toexpand("kanji.grfour.cook");
55   build_kanji.level(build_kanji.lr(370,60)
56     (kanji.leftrad.fire)
57     (kanji.grnine.mountain_high));
58   expand_pbox;
59 enddef;

```

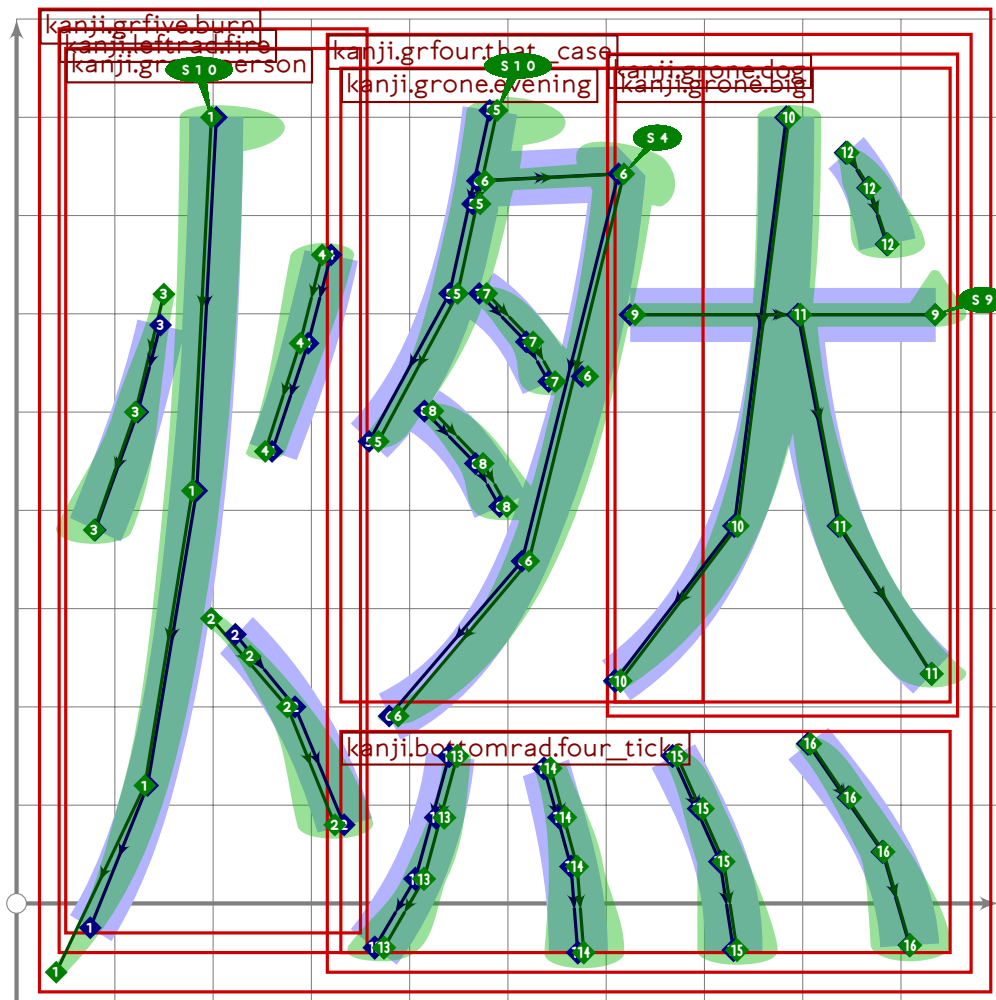




```

68
69 vardef kanji.grfour:illuminate =
70   push_pbox_toexpand("kanji.grfour:illuminate");
71   build_kanji.tb(190;30)
72     (kanji.grthree.shining)
73     (kanji.bottomrad.four_ticks);
74   expand_pbox;
75 enddef;
76
77

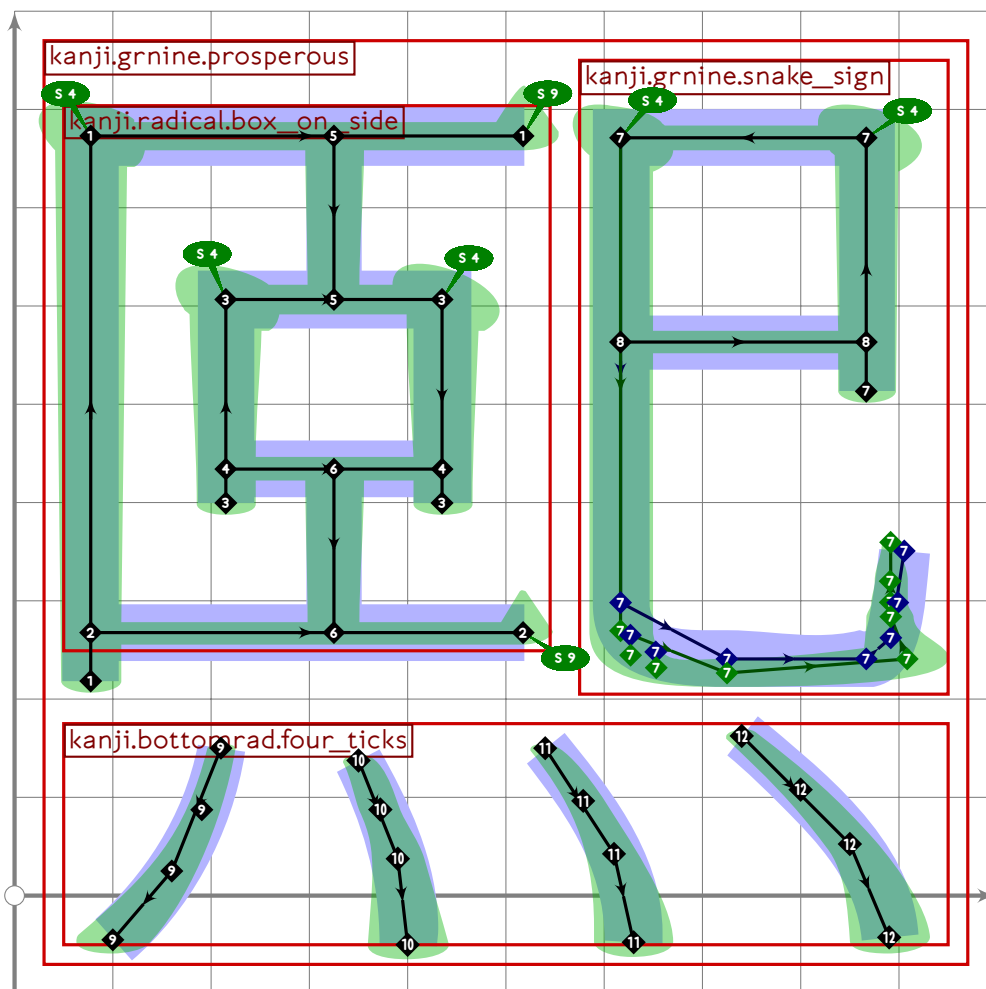
```



```

78
79 vardef kanji.grfive.burn =
80   push_pbox_toexpand("kanji.grfive.burn");
81   build_kanji.level(build_kanji.lr(340,20-20*mincho)
82     (build_kanji.sscale(shifted (0,20))(kanji.leftrad.fire))
83     (kanji.grfour.that_case));
84   expand_pbox;
85 enddef;
86
87

```



```

88
89 vardef kanji.grnine.prosperous =
90   push_pbox_toexpand("kanji.grnine.prosperous");
91   build_kanji.tb(190;30)
92   (build_kanji.lr(560;30)
93     (build_kanji.sscale(yscaled 0.86)
94       (kanji.radical.box_on_side;
95         build_kanji.box((350,530),(750,250));
96         push_stroke((550,800)–(550,530),(1.5,1.5)–(1.4,1.4));
97         push_stroke((550,250)–(550,20),(1.5,1.5)–(1.4,1.4))))
98     (kanji.grnine.snake_sign))
99   (kanji.bottomrad.four_ticks);
100   expand_pbox;
101 enddef;
102
103
104
105 % mu/na "nothing"
106 beginsuglyph("uni7121";33);
107   kanji.grfour.nothing;
108   tsu_render;

```

[see page 716]

```

109 endtsuglyph;
110
111 % sou as in "sou desu"
112 begintsuglyph("uni7136";54); [see page 737]
113   kanji.grfour.that_case;
114   tsu_render;
115 endtsuglyph;
116
117 % shou/ya "cook"
118 begintsuglyph("uni713C";60); [see page 3112]
119   kanji.grfour.cook;
120   tsu_render;
121 endtsuglyph;
122
123 % shou/te "illuminate"
124 begintsuglyph("uni7167";103); [see page 3114]
125   kanji.grfour.illuminate;
126   tsu_render;
127 endtsuglyph;
128
129 % ki/tanoshi "prosperous"
130 begintsuglyph("uni7199";153); [see page 3116]
131   kanji.grnine.prosperous;
132   tsu_render;
133 endtsuglyph;
134
135 % netsu/atsu "heat"
136 begintsuglyph("uni71B1";177); [see page 3113]
137   kanji.grfour.heat;
138   tsu_render;
139 endtsuglyph;
140
141 % nen/mo "burn"
142 begintsuglyph("uni71C3";195); [see page 3115]
143   kanji.grfive.burn;
144   tsu_render;
145 endtsuglyph;
146
147 _____
148
149 endfont;
150
151 _____

```

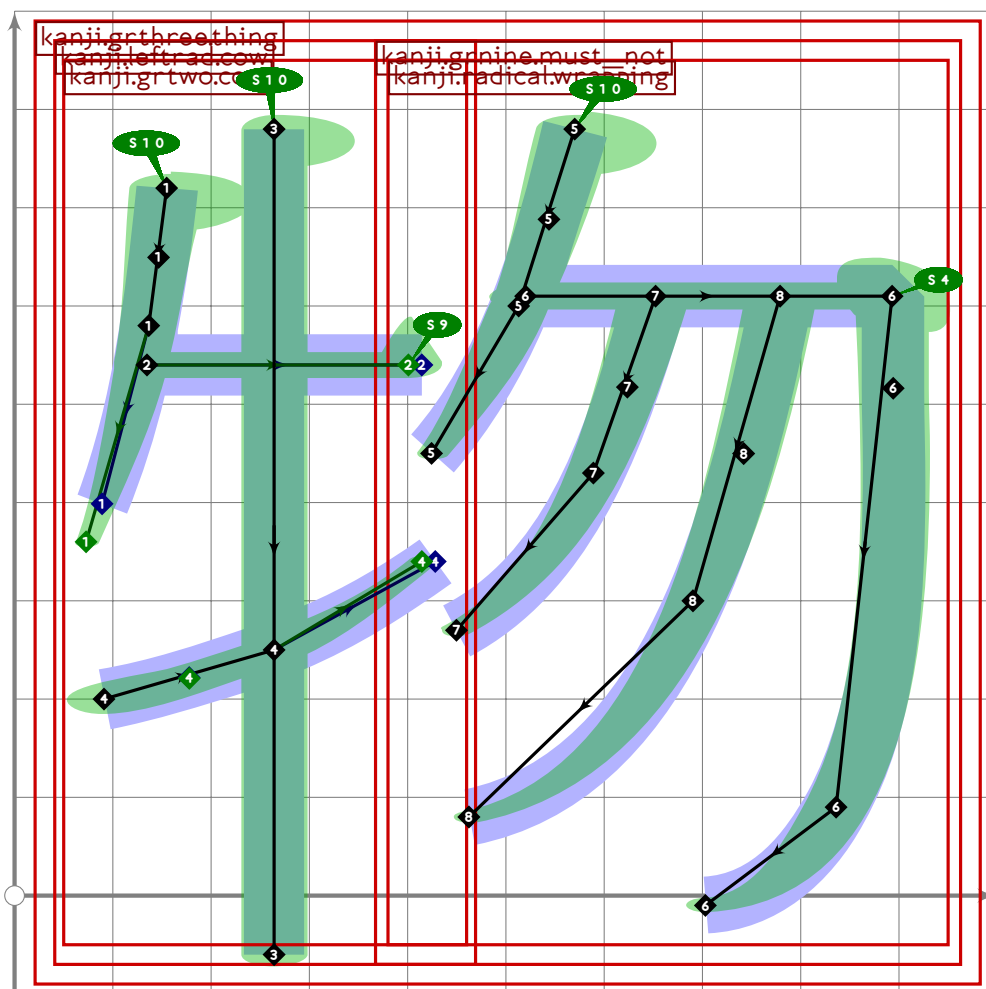
```
1 %
2 % Unicode page 72 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

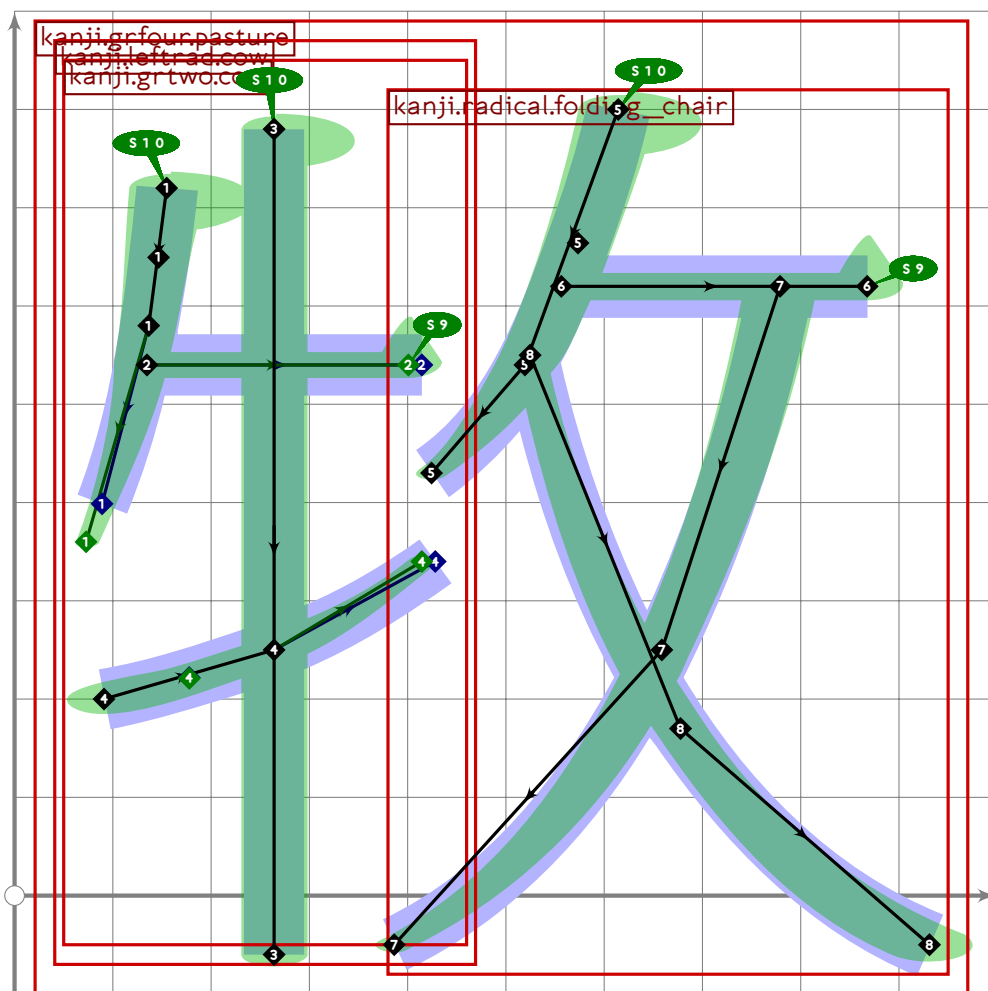

```



```

49
50 vardef kanji.grthree.thing =
51   push_pbox_toexpand("kanji.grthree.thing");
52   build_kanji.lr(420,80)
53     (kanji.leftrad.cow)
54     (kanji.grnine.must_not);
55   expand_pbox;
56 enddef;
57
58

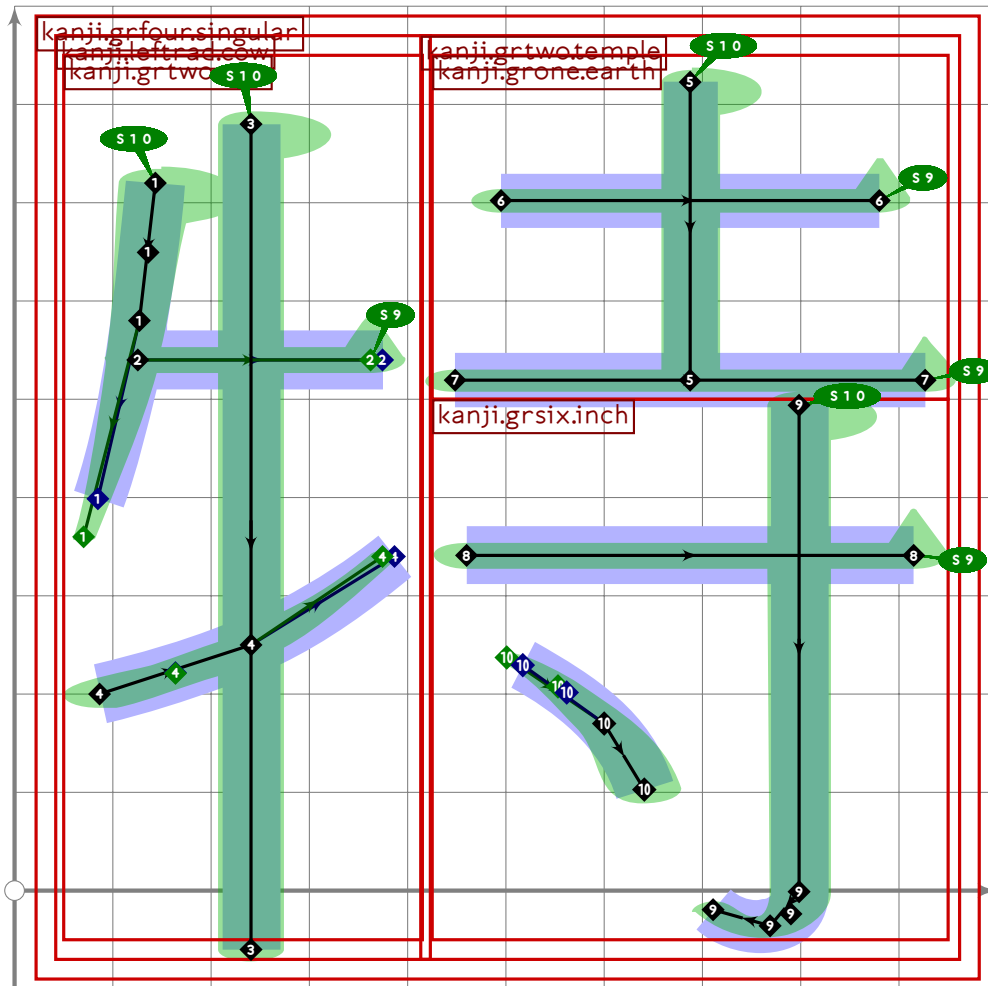
```

```

59
60 vardef kanji.grfour.pasture =
61   push_pbox_toexpand("kanji.grfour.pasture");
62   build_kanji.lr(420,80)
63   (kanji.leftrad.cow)
64   (build_kanji.sscale(shifted (0,30))(kanji.radical.folding_chair));
65   expand_pbox;
66 enddef;
67

```



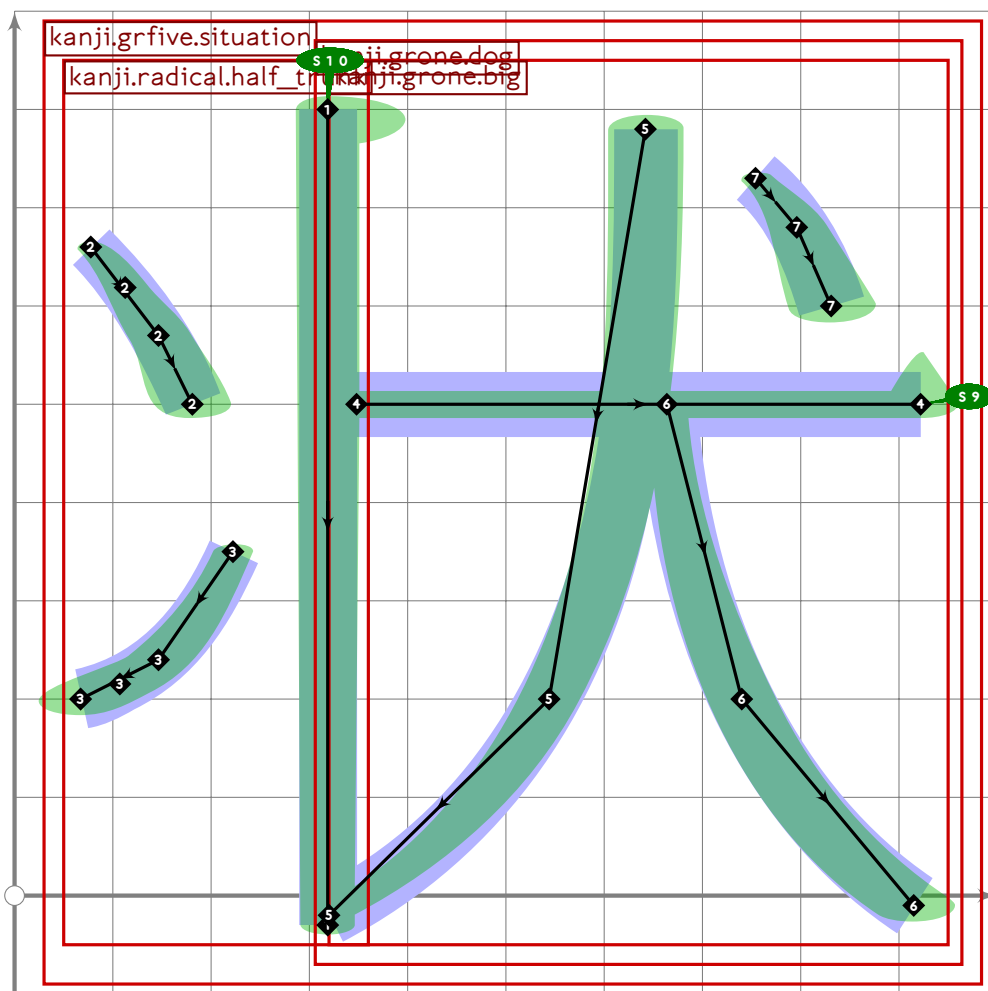
```

68 % "singular" because METAFONT reserves "special"
69 vardef kanji.grfour.singular =
70   push_pbox_toexpand("kanji.grfour.singular");
71   build_kanji.lr(420,-10)
72     (kanji.leftrad.cow)
73     (kanji.grtwo.temple);
74   expand_pbox;
75 enddef;
76
77

```

U+72B6
tsuku.uni72B6

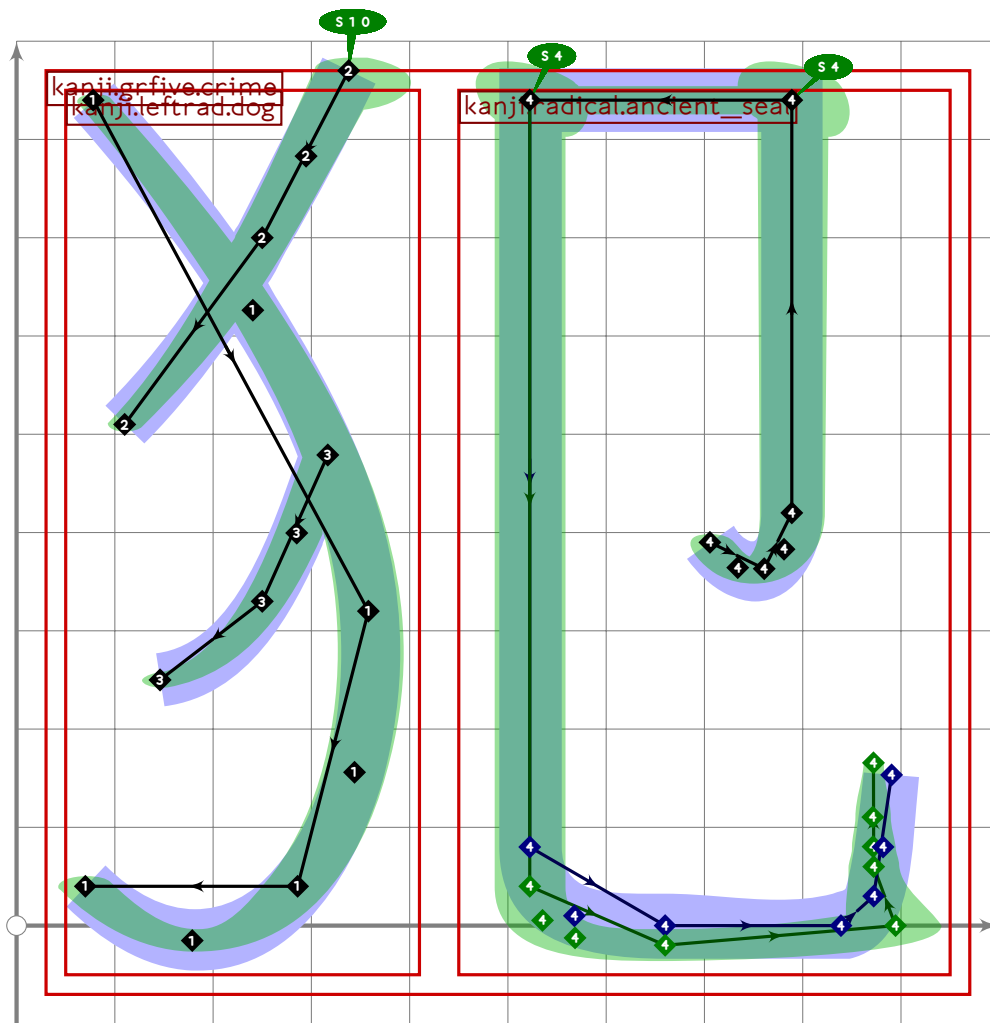
72



```

78
79 vardef kanji.grfive.situation =
80   push_pbox_toexpand("kanji.grfive.situation");
81   build_kanji.lr(340,40)
82     (kanji.radical.half_trunk)
83     (kanji.grone.dog);
84   expand_pbox;
85 enddef;

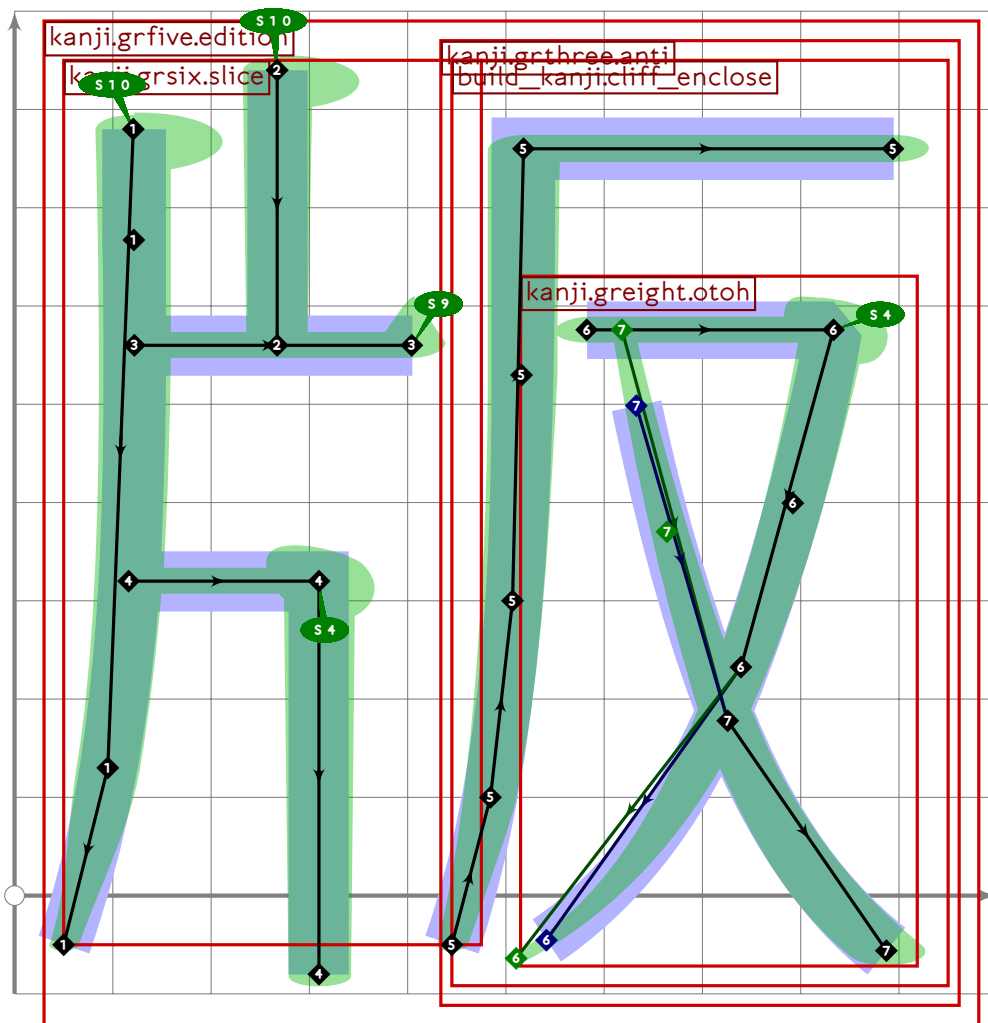
```



```

86
87 vardef kanji.grfive.crime =
88   push_pbox_toexpand("kanji.grfive.crime");
89   build_kanji.lr(430,-40)
90     (kanji.leftrad.dog)
91     (kanji.radical.ancient_seal);
92   expand_pbox;
93 enddef;

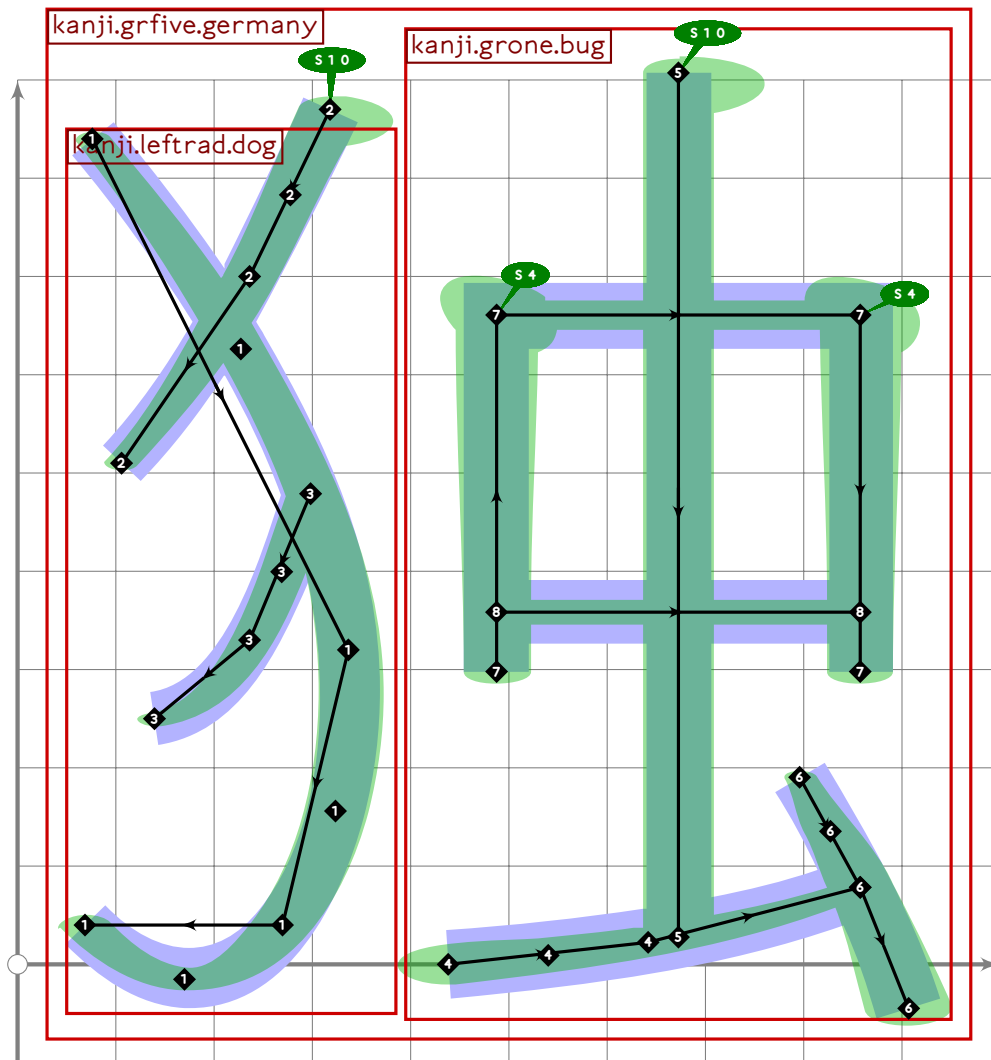
```



```

94
95 vardef kanji.grfive.edition =
96   push_pbox_toexpand("kanji.grfive.edition");
97   build_kanji.lr(460,30)
98   (kanji.grsix.slice)
99   (kanji.grthree.anti);
100  expand_pbox;
101 enddef;

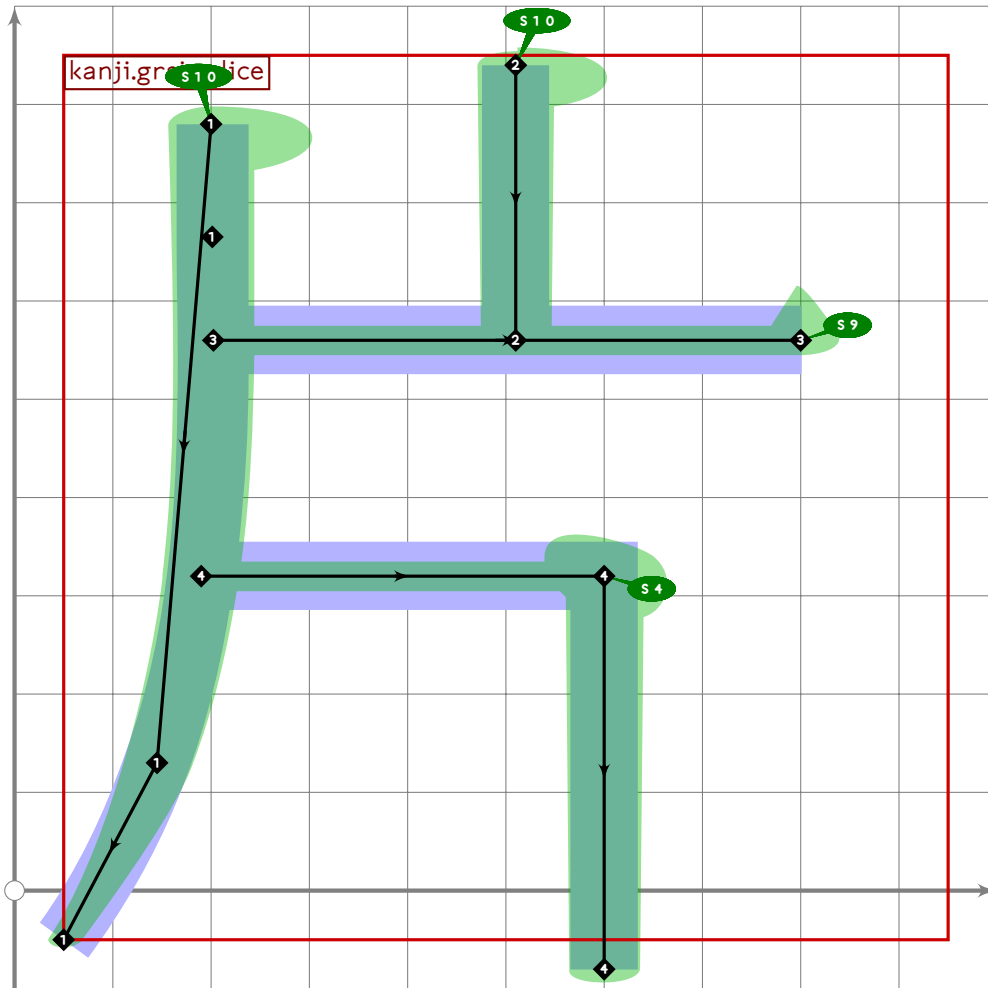
```



```

102
103 vardef kanji.grfive.germany =
104   push_pbox_toexpand("kanji.grfive.germany");
105   build_kanji.lr(390;10)
106     (kanji.leftrad.dog)
107     (tsu_xform(identity yscaled 1.12)(kanji.grone.bug));
108   expand_pbox;
109 enddef;
110
111

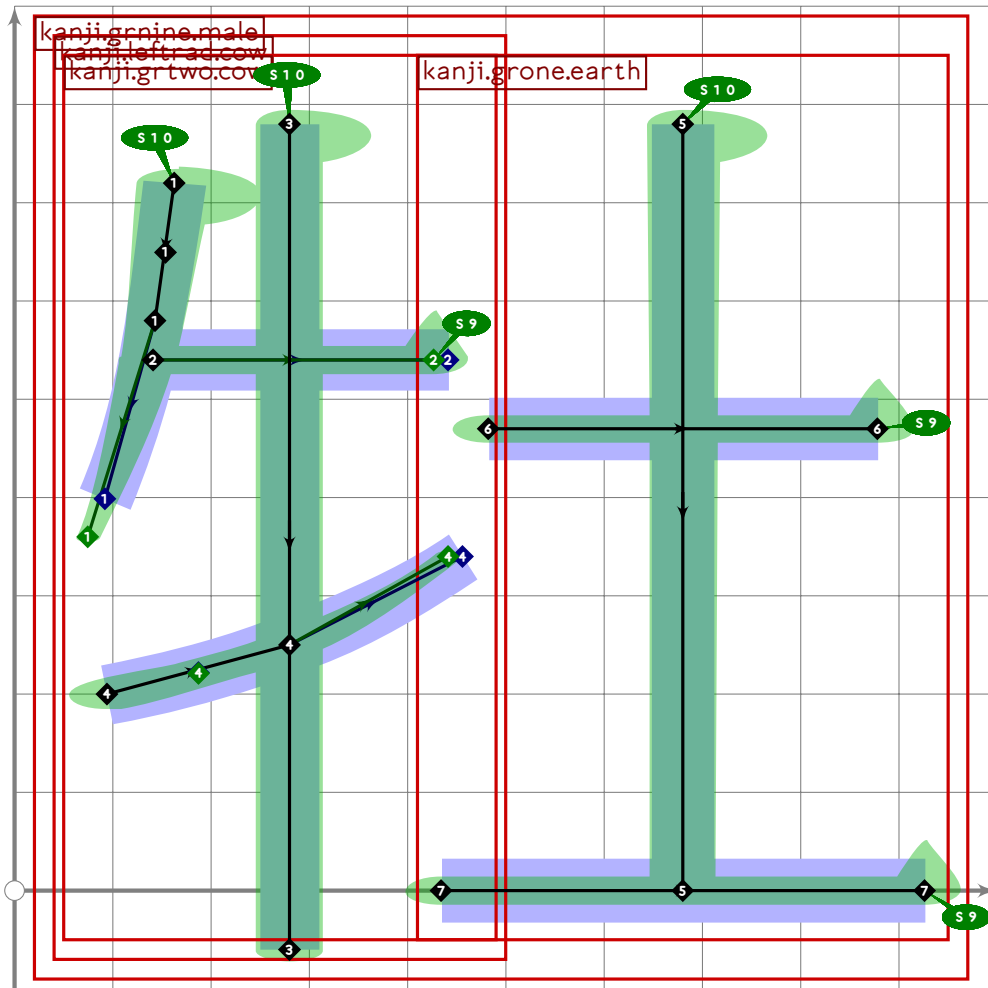
```



```

112
113 vardef kanji.grsix.slice =
114   push_pbox_toexpand("kanji.grsix.slice");
115   push_stroke((200,780){down}..(145,130)..(50,-50),
116     (1,7,1,7)-(1,5,1,5)-(1,1));
117   set_boserif(0,0,10);
118   push_stroke((510,840)-(510,560),(1,6,1,6)-(1,5,1,5));
119   set_boserif(0,0,10);
120   push_stroke((get_stroke(-1) intersectionpoint ((0,560)-(500,560)))
121     -(800,560),
122     (1,6,1,6)-(1,6,1,6));
123   set_boserif(0,1,9);
124   push_stroke((get_stroke(-2) intersectionpoint ((0,320)-(500,320)))
125     -(600,320)-(600,-80),
126     (1,6,1,6)-(1,6,1,6)-(1,5,1,5));
127   set_botip(0,1,1);
128   set_boserif(0,1,4);
129   expand_pbox;
130 enddef;
131
132

```



```

133
134 vardef kanji.grnine.male =
135   push_pbox_toexpand("kanji.grnine.male");
136   build_kanji.lr(450,80)
137     (kanji.leftrad.cow)
138     (kanji.grone.earth);
139   expand_pbox;
140 enddef;
141
142
143
144 vardef kanji.leftrad.cow =
145   push_pbox_toexpand("kanji.leftrad.cow");
146   kanji.grtwo.cow;
147   replace_strokep(0)((140,200)..tension 1.2..(520,250)..(880-30*mincho,340));
148   replace_strokeq(0)((1.7,1.7)-(1.5,1.5)-(1,1));
149   set_boserif(0,1,whatever);
150   expand_pbox;
151 enddef;
152
153 vardef kanji.leftrad.dog =

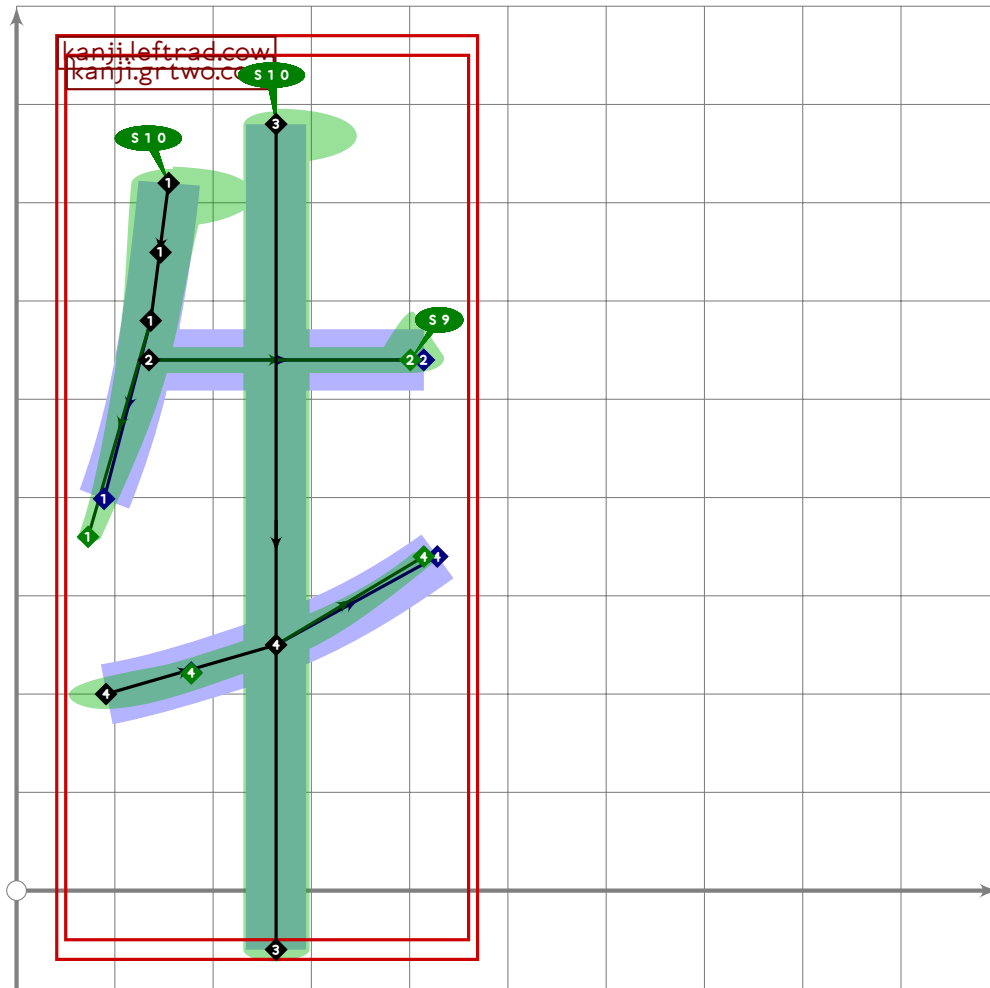
```



```

154 push_pbox_toexpand("kanji.leftrad.dog");
155 push_stroke(
156     (120,840){curl 0}{tension 14..(820,320)..(640,40)..{curl 0.6}(100,40),
157     (1,1,1)-(1.5,1.5)-(1.6,1.6)-(1.4,1.4));
158 push_stroke((770,870)..tension 1.2..(550,700)..(200,510),
159     (1.6,1.6)-(1.4,1.4)-(1,1,1));
160 set_boserif(0,0,10);
161 push_stroke((point 0.75 of get_strokep(-1))
162     ..tension 1.2..(550,330)..{curl 0.6}(290,250),
163     (point 0.6 of get_strokeq(-1))..(1.3,1.3)..(1,1,1));
164 expand_pbox;
165 enddef;
166
167
168
169 % chichi "father"
170 begintsuglyph("uni7236";54); [see page 515]
171 kanji.grtwo.father;
172 tsu_render;
173 endtsuglyph;
174
175 % hen/kata "slice"
176 begintsuglyph("uni7247";71); [see page 3126]
177 kanji.grsix.slice;
178 tsu_render;
179 endtsuglyph;
180
181 % han "edition"
182 begintsuglyph("uni7248";72); [see page 3124]
183 kanji.grfive.edition;
184 tsu_render;
185 endtsuglyph;
186
187 % ga/kiba "tusk"
188 begintsuglyph("uni7259";89); [see page 939]
189 kanji.greight.tusk;
190 tsu_render;
191 endtsuglyph;
192
193 % kyuu/ushi "cow"
194 begintsuglyph("uni725B";91); [see page 507]
195 kanji.grtwo.cow;
196 tsu_render;
197 endtsuglyph;
198

```



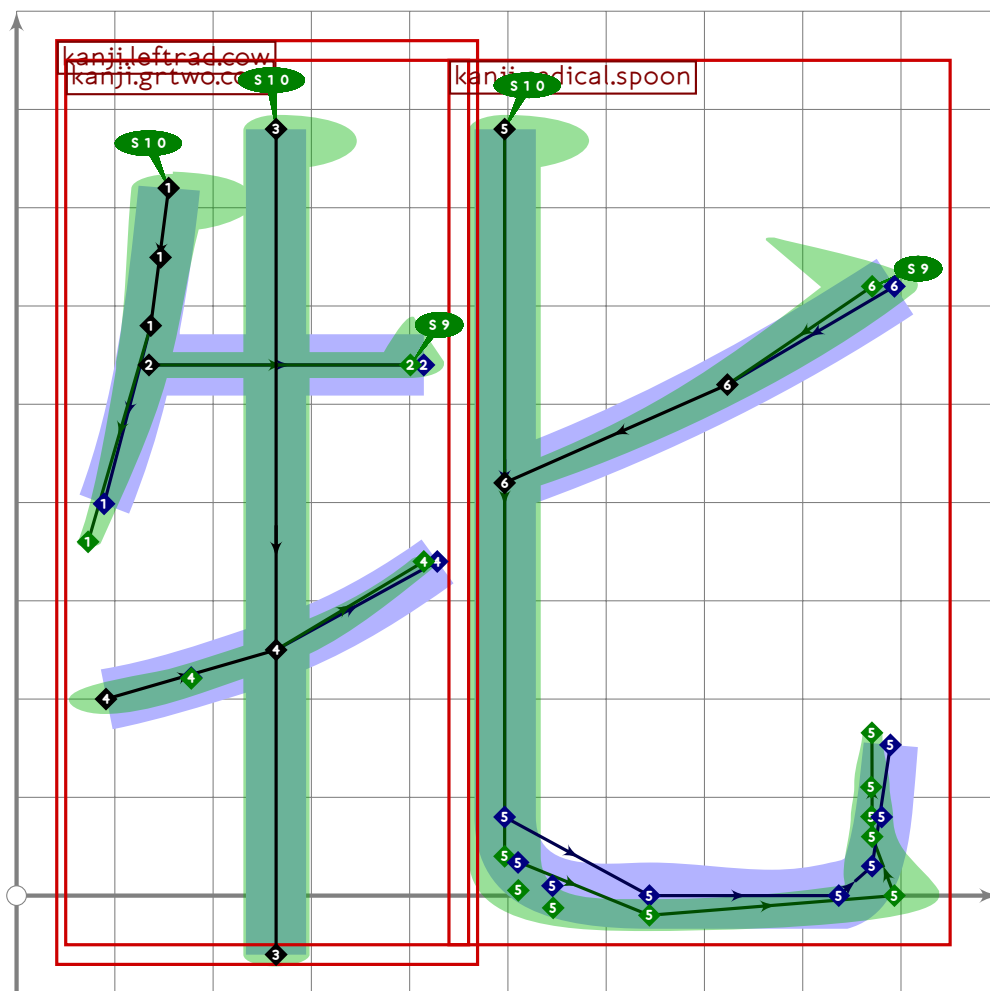
```

199 % naked cow radical
200 beginsuglyph("uni725C";92);
201   build_kanji.lr(450,20)(kanji.leftrad.cow)();
202   tsu_render;
203 endsuglyph;
204

```

U+725D
tsuku.uni725D

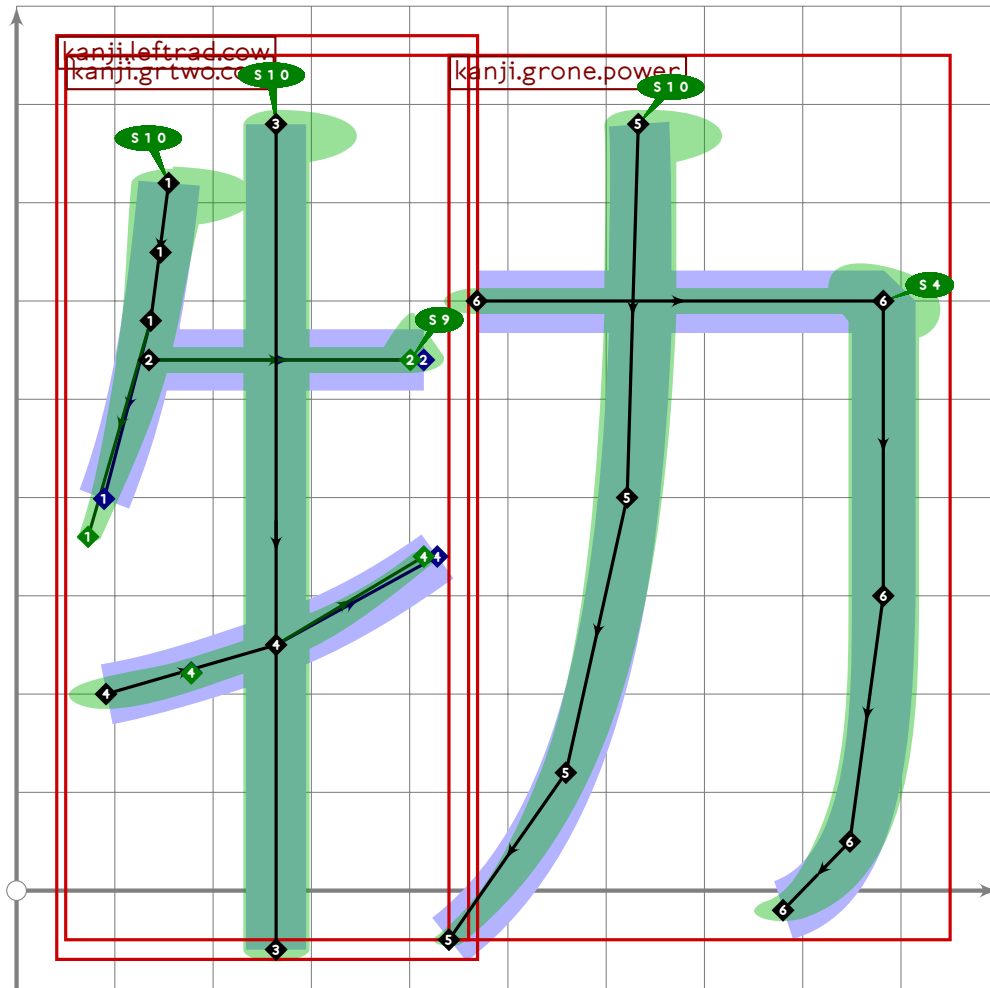
72



```

205 % extra "female"
206 begintsuglyph("uni725D",93);
207   build_kanji.lr(450,20)
208     (kanji.leftrad.cow)
209     (kanji.radical.spoon);
210   tsu_render;
211 endtsuglyph;
212

```

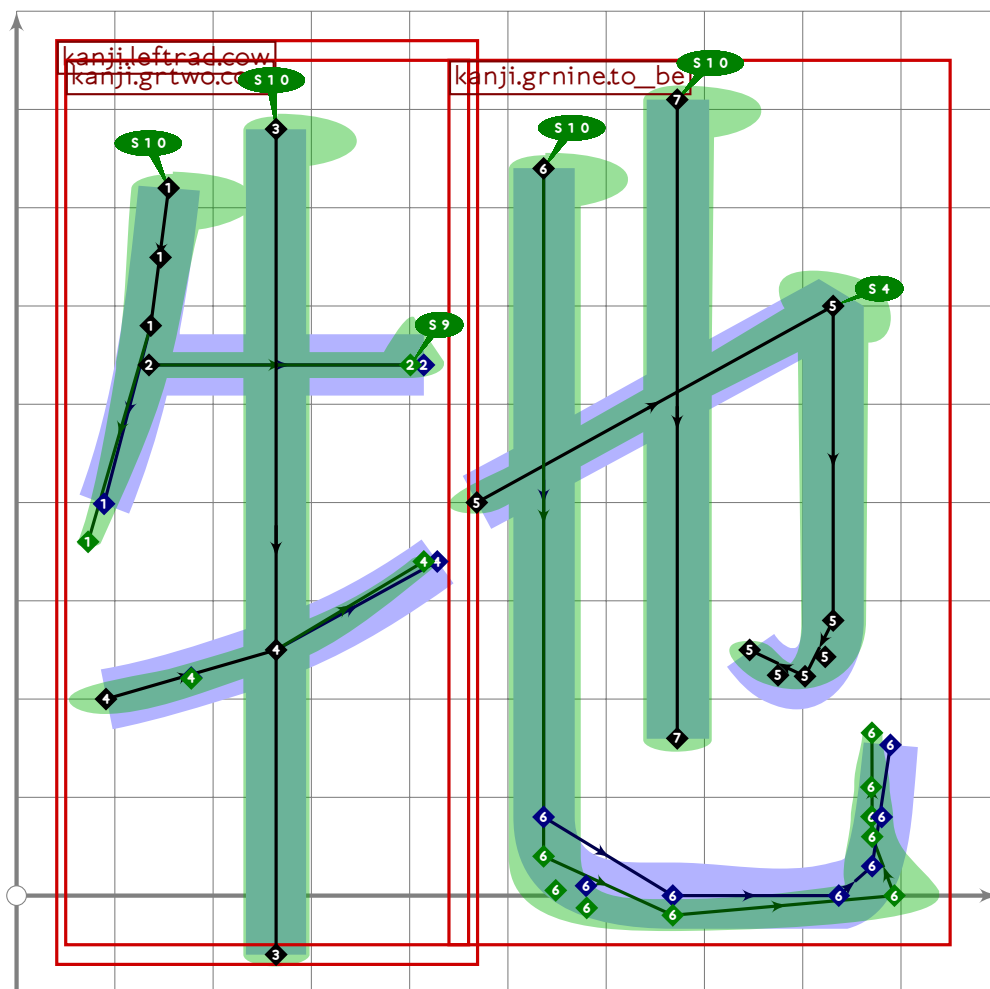


```

213 % extra
214 begintsuglyph("uni725E";94);
215   build_kanji.lr(450,20)
216     (kanji.leftrad.cow)
217     (kanji.grone.power);
218   tsu_render;
219 endtsuglyph;
220
221 % bou/mu "moo (cow sound)"
222 begintsuglyph("uni725F";95);
223   kanji.grnine.moo;
224   tsu_render;
225 endtsuglyph;
226

```

[see page 964]



```

227 % extra
228 begintsuglyph("uni7260";96);
229   build_kanji.lr(450,20)
230     (kanji.leftrad.cow)
231     (kanji.grnine.to_be);
232   tsu_render;
233 endtsuglyph;
234
235 % bo/osu "male (animal)"
236 begintsuglyph("uni7261";97);
237   kanji.grnine.male;
238   tsu_render;
239 endtsuglyph;
240
241 % boku/maki "pasture"
242 begintsuglyph("uni7267";103);
243   kanji.grfour.pasture;
244   tsu_render;
245 endtsuglyph;
246
247 % butsu/mono "thing"

```

[see page 3127]

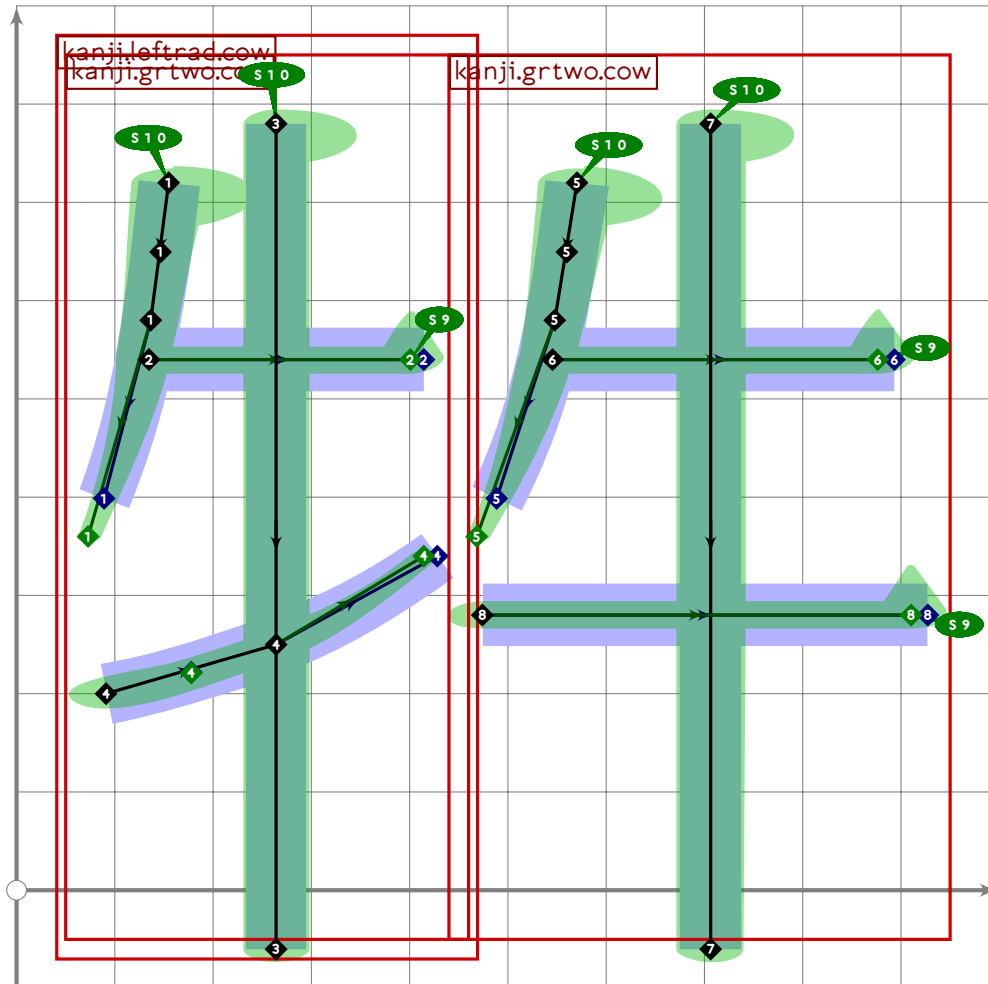
[see page 3120]

```

248 begintsuglyph("uni7269";105);
249   kanji.grthree.thing;
250   tsu_render;
251 endtsuglyph;
252

```

[see page 662]



```

253 % extra
254 begintsuglyph("uni726A";106);
255   build_kanji.lr(450,20)
256   (kanji.leftrad.cow)
257   (kanji.grtwo.cow);
258   tsu_render;
259 endtsuglyph;
260
261 % toku "special"
262 begintsuglyph("uni7279";121);
263   kanji.grfour.singular;
264   tsu_render;
265 endtsuglyph;
266
267 % inu "dog"
268 begintsuglyph("uni72AC";172);

```

[see page 3121]

[see page 430]

```
269 kanji.grone.dog;
270 tsu_render;
271 endtsuglyph;
272
273 % han/oka "crime"
274 begintsuglyph("uni72AF",175); [see page 3123]
275 kanji.grfive.crime;
276 tsu_render;
277 endtsuglyph;
278
279 % shou "situation"
280 begintsuglyph("uni72B6",182); [see page 3122]
281 kanji.grfive.situation;
282 tsu_render;
283 endtsuglyph;
284
285 % doku/hito "Germany"
286 begintsuglyph("uni72EC",236); [see page 3125]
287 kanji.grfive.germany;
288 tsu_render;
289 endtsuglyph;
290
291 _____
292
293 endfont;
294
295 _____
```

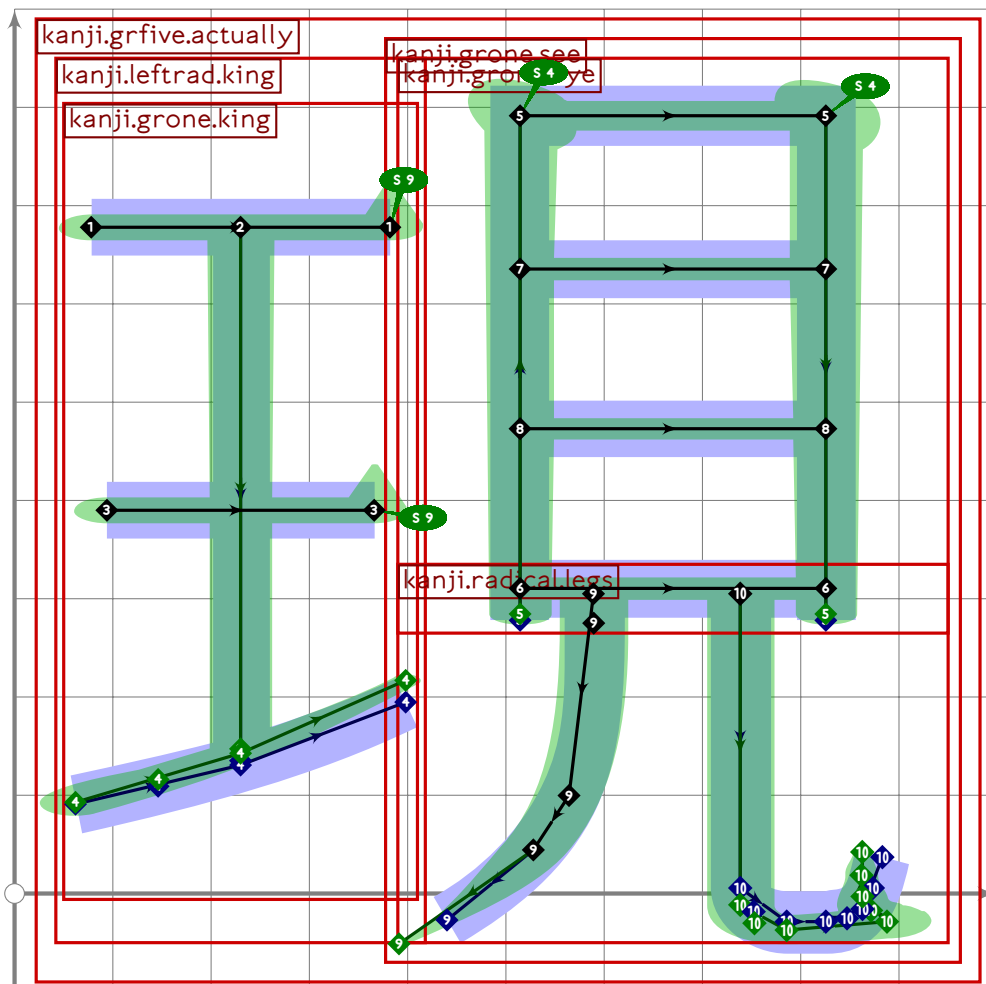
tsuku-73.mp

```

1 %
2 % Unicode page 73 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2014, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeone.mp;
38 input leftrad.mp;
39 input radical.mp;
40
41 do_late_includes;
42
43

```

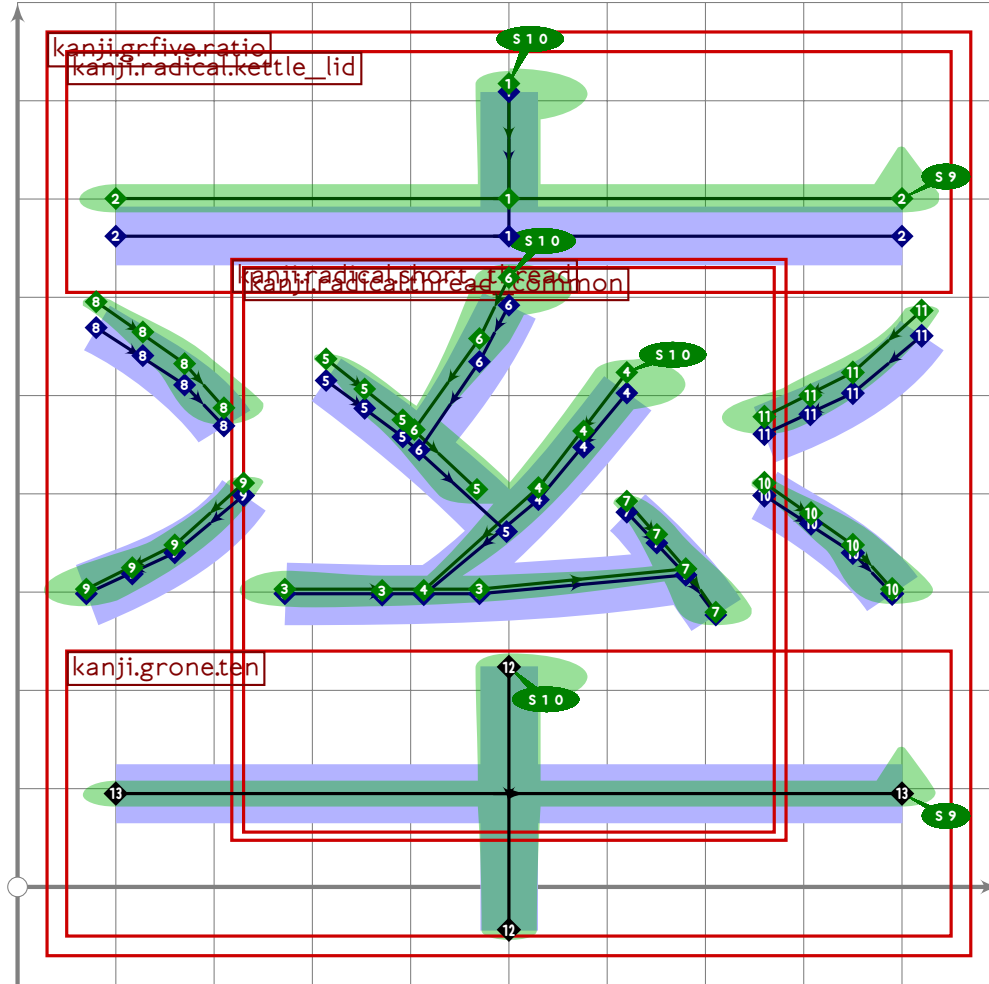
73




```

44
45 vardef kanji.grfive.actually =
46   push_pbox_toexpand("kanji.grfive.actually");
47   build_kanji.lr(400,20)
48   (kanji.leftrad.king)
49   (kanji.grone.see);
50   expand_pbox;
51 enddef;

```



```

52
53 vardef kanji.grfive.ratio =
54   push_pbox_toexpand("kanji.grfive.ratio");
55   build_kanji.level(build_kanji.tcb(610+40*mincho,10-20*mincho)(240,0)
56     (kanji.radical.kettle_lid)
57     (build_kanji.sscale(xscaled 0.6)(kanji.radical.short_thread);
58     push_stroke((80,740)..tension 1.2..(170,600)..(210,500),
59       (1,1)-(1.5,1.5)-(1.8,1.8));
60     push_stroke((230,330)..(160,190)..tension 1.2..(70,90),
61       (1.1,1.1)-(1.4,1.4)-(1.9,1.9));
62     push_stroke(get_strokeq(-1) shifted ((760,330)-point 0 of get_strokeq(-1)),
63       get_strokeq(-1));
64     push_stroke(get_strokeq(-1) shifted ((760,480)-point 2 of get_strokeq(-1)),

```

```

65         get_strokeq(-1)))
66     (kanji.grone.ten));
67     expand__pbox;
68 enddef;
69
70 

---


71
72 % sotsu/hiki "ratio"
73 begintsuglyph("uni7387";135); [see page 3136]
74     kanji.grfive.ratio;
75     tsu_render;
76 endtsuglyph;
77
78 % gyoku/tama "ball" or "precious"
79 begintsuglyph("uni7389";137); [see page 420]
80     kanji.grone.ball;
81     tsu_render;
82 endtsuglyph;
83
84 % ou "king"
85 begintsuglyph("uni738B";139); [see page 449]
86     kanji.grone.king;
87     tsu_render;
88 endtsuglyph;
89
90 % gen/arawa "actually"
91 begintsuglyph("uni73FE";254); [see page 3136]
92     kanji.grfive.actually;
93     tsu_render;
94 endtsuglyph;
95
96 

---


97
98 endfont;
99
100 

---



```

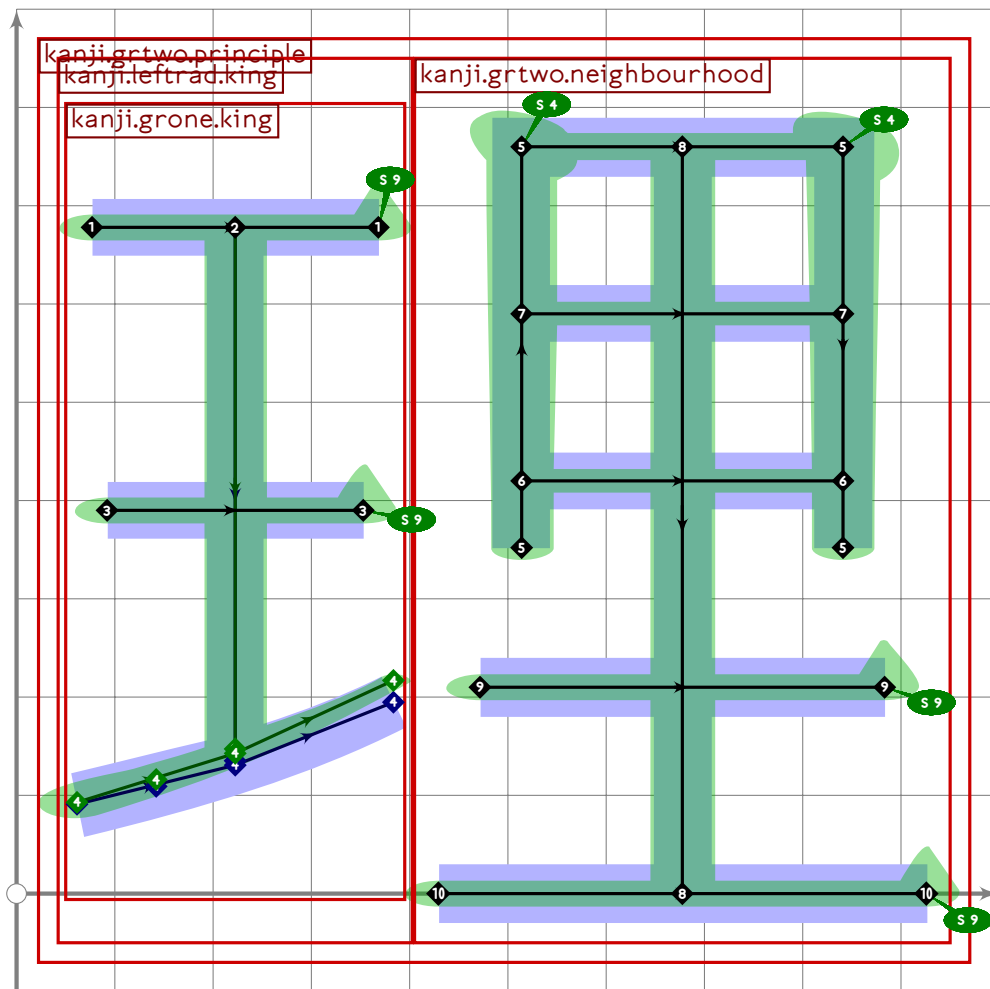
```
1 %
2 % Unicode page 74 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

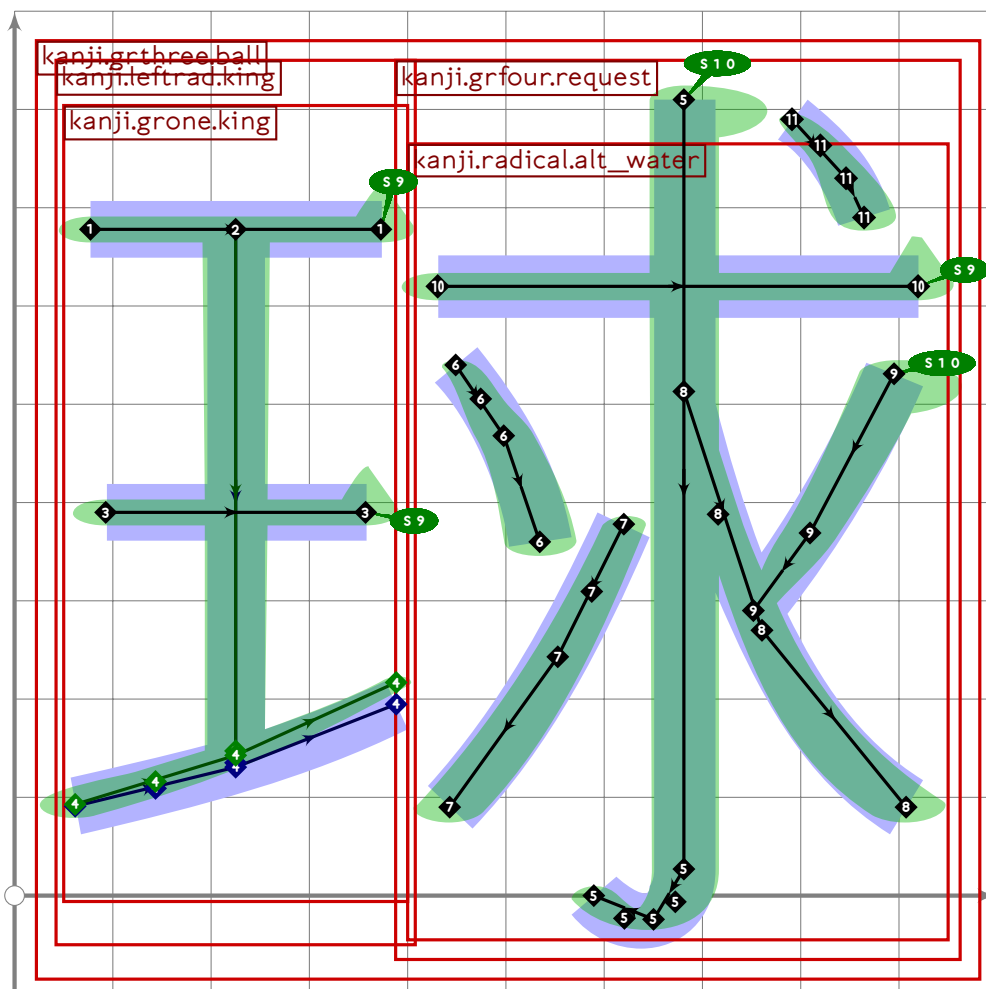

```



```

46
47 vardef kanji.grtwo.principle =
48   push_pbox_toexpand("kanji.grtwo.principle");
49   build_kanji.lr(400,-10)
50     (kanji.leftrad.king)
51     (kanji.grtwo.neighbourhood);
52   expand_pbox;
53 enddef;
54
55

```



```

56
57 vardef kanji.grthree.ball =
58   push_pbox_toexpand("kanji.grthree.ball");
59   build_kanji.lr(400,0)
60   (kanji.leftrad.king)
61   (kanji.grfour.request);
62   expand_pbox;
63 enddef;
64
65
66
67 % kyu/tama "ball" (as in baseball)
68 beginsuglyph("uni7403";3);
69 kanji.grthree.ball;
70 tsu_render;
71 endtsuglyph;
72
73 % ri/kotowari "principle"
74 beginsuglyph("uni7406";6);
75 kanji.grtwo.principle;
76 tsu_render;

```

[see page 3140]

[see page 3139]

77 endtsuglyph;

78

79

80

81 endfont;

82

83

tsuku-75.mp

75

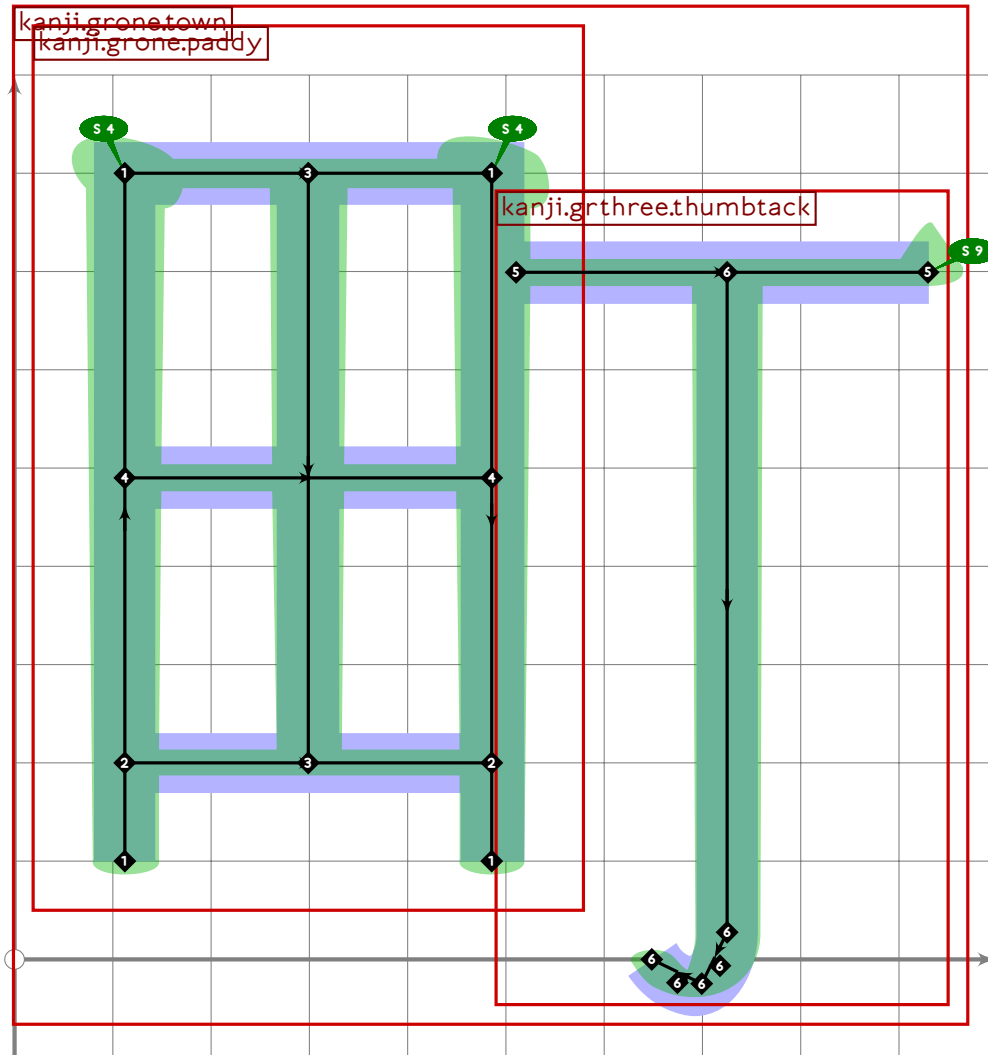
```
1 %
2 % Unicode page 75 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input 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 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 

---

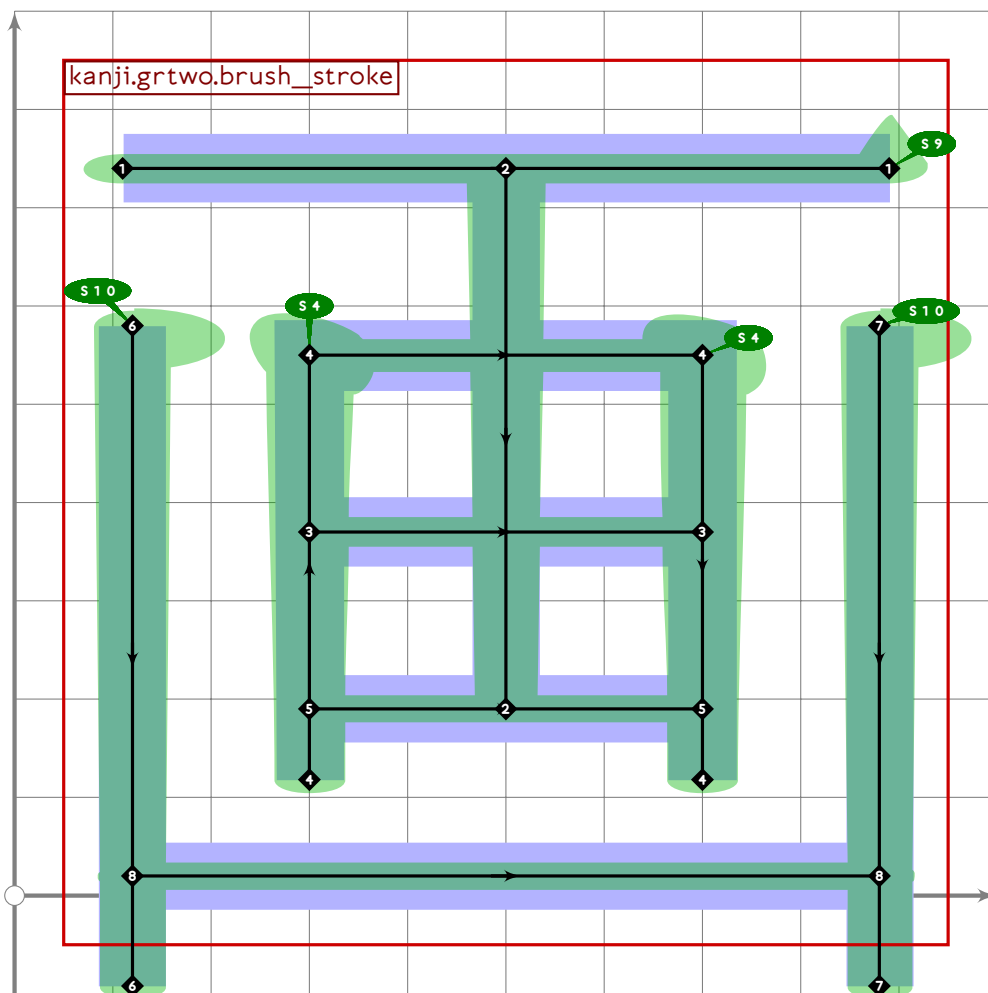

```



```

55
56 vardef kanji.grone.town =
57   push_pbox_toexpand("kanji.grone.town");
58   build_kanji.level(build_kanji.lr(550,120)
59     (tsu_xform(identity shifted (-50,100))(kanji.grone.paddy))
60     (tsu_xform(identity yscaled 0.92)
61       (kanji.grthree.thumbtack)));
62   expand_pbox;
63 enddef;
64
65

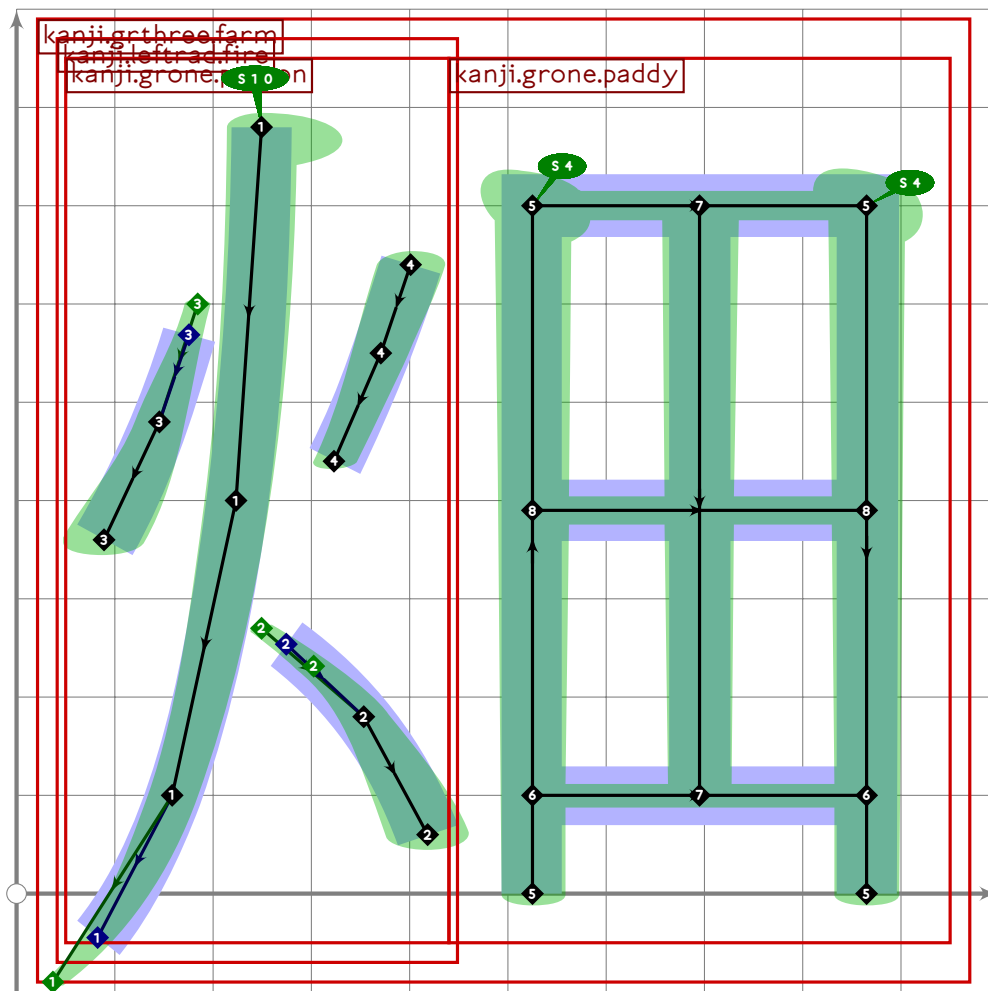
```

```

66
67 vardef kanji.grtwo.brush_stroke =
68   push_pbox_toexpand("kanji.grtwo.brush_stroke");
69   push_stroke((110,740)-(890,740),(1.6,1.6)-(1.6,1.6));
70   set_boserif(0,1,9);
71   push_stroke((500,740)-(500,190),
72     (1.6,1.6)-(1.4,1.4));
73   push_stroke((300,370)-(700,370),
74     (1.6,1.6)-(1.6,1.6));
75   build_kanji.box((300,550),(700,190));
76   build_kanji.cup((120,580),(880,20));
77   expand_pbox;
78 enddef;
79
80

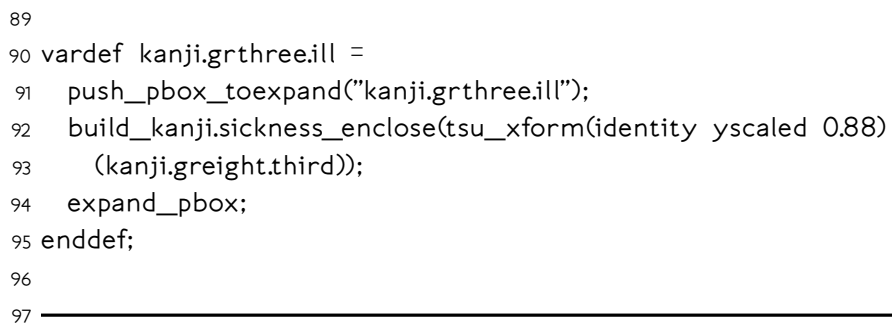
```

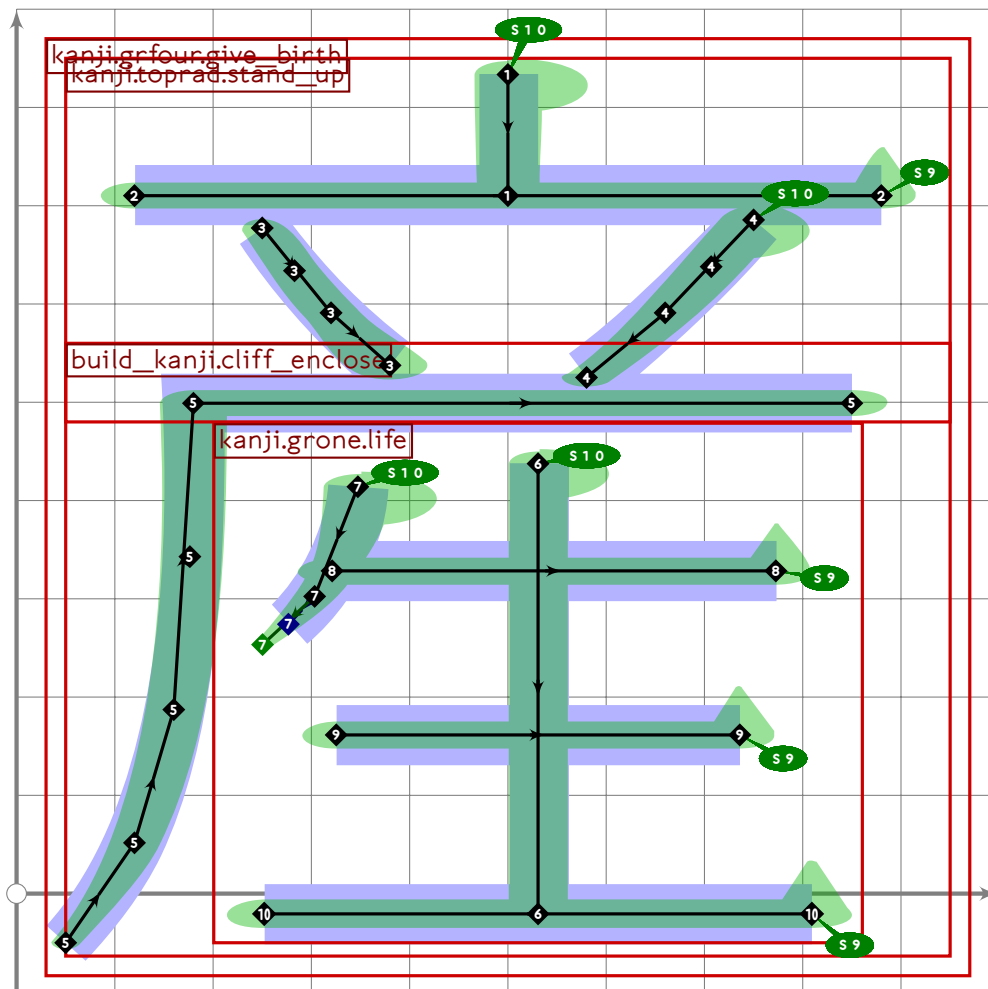


```

81
82 vardef kanji.grthree.farm =
83   push_pbox_toexpand("kanji.grthree.farm");
84   build_kanji.level(build_kanji.lr(440,0)
85     (kanji.leftrad.fire)
86     (kanji.grone.paddy));
87   expand_pbox;
88 enddef;

```

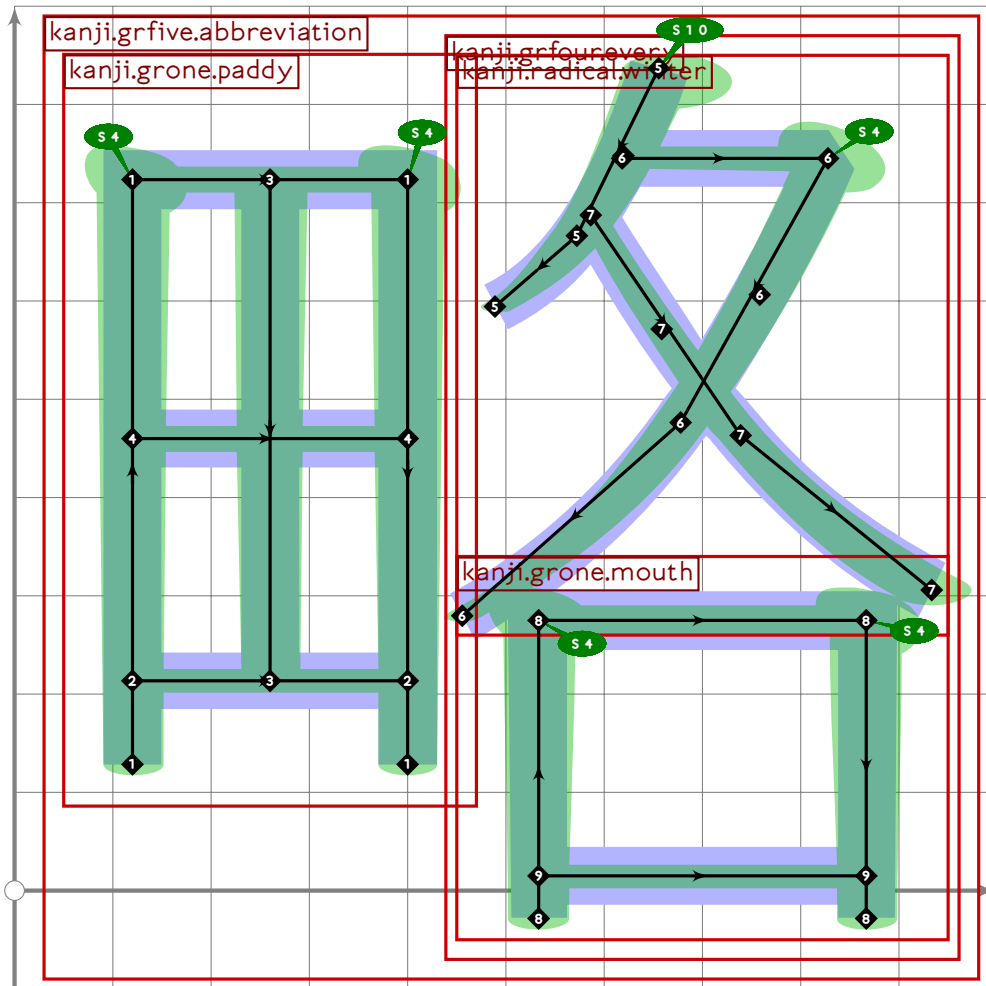




```

98
99 vardef kanji.grfour.give_birth =
100   push_pbox_toexpand("kanji.grfour.give_birth");
101   build_kanji.level(build_kanji.tb(520,80)
102     (kanji.toprad.stand_up;pop_stroke)
103     (build_kanji.cliff_enclose(build_kanji.sscale(shifted (-40,0))
104       (kanji.grone.life))));
105   expand_pbox;
106 enddef;
107
108

```



```

109
110 vardef kanji.grfive.abbreviation =
111   push_pbox_toexpand("kanji.grfive.abbreviation");
112   build_kanji.level(build_kanji.lr(460,20)
113     (build_kanji.sscale(yscaled 0.85 shifted (0,70))(kanji.grone.paddy)
114     (kanji.grfour.every));
115   expand_pbox;
116 enddef;
117
118
119
120 vardef build_kanji.sickness_enclose(text contents) =
121   push_pbox_toexpand("build_kanji.sickness_enclose");
122   perl_structure:=perl_structure&"eids.u2FF8.u7592.2_";
123   push_stroke((570,810)–(570,660),
124     (1.6,1.6)–(1.5,1.5));
125   set_boserif(0,0,10);
126   push_stroke(
127     (80,50)..(170,100)..(210,300)..tension 1.2..(230,660)–(850,660),
128     (1,1)–(1.3,1.3)–(1.5,1.5)–(1.6,1.6)–(1.6,1.6));
129   set_botip(0,3,1);

```

```

130 push_stroke((70,580)..tension 1.2..(100,510)..(120,440),
131   (1,1)-(14,14)-(1.6,1.6));
132 push_stroke((40,260)..tension 1.2..(110,300)..(150,330),
133   (1.7,1.7)-(1.5,1.5)-(1.1,1.1));
134 begingroup
135   save t;
136   transform t;
137   (50,-50) transformed t=(280,-60);
138   (500,-50) transformed t=(570,-60);
139   (500,850) transformed t=(570,630);
140   tsu_xform(t)(contents);
141 endgroup;
142 expand_pbox;
143 enddef;
144
145
146
147 % kan/ama "sweet"
148 begintsuglyph("uni7518";24); [see page 933]
149   kanji.greight.sweet;
150   tsu_render;
151 endtsuglyph;
152
153 % sei/ki "life"
154 begintsuglyph("uni751F";31); [see page 450]
155   kanji.grone.life;
156   tsu_render;
157 endtsuglyph;
158
159 % san/u "give birth"
160 begintsuglyph("uni7523";35); [see page 3147]
161   kanji.grfour.give_birth;
162   tsu_render;
163 endtsuglyph;
164
165 % you/mochi "job"
166 begintsuglyph("uni7528";40); [see page 532]
167   kanji.grtwo.job;
168   tsu_render;
169 endtsuglyph;
170
171 % you "walled road"
172 begintsuglyph("uni752C";44); [see page 1054]
173   kanji.rare.walled_road;
174   tsu_render;
175 endtsuglyph;
176
177 % ta "rice paddy"

```

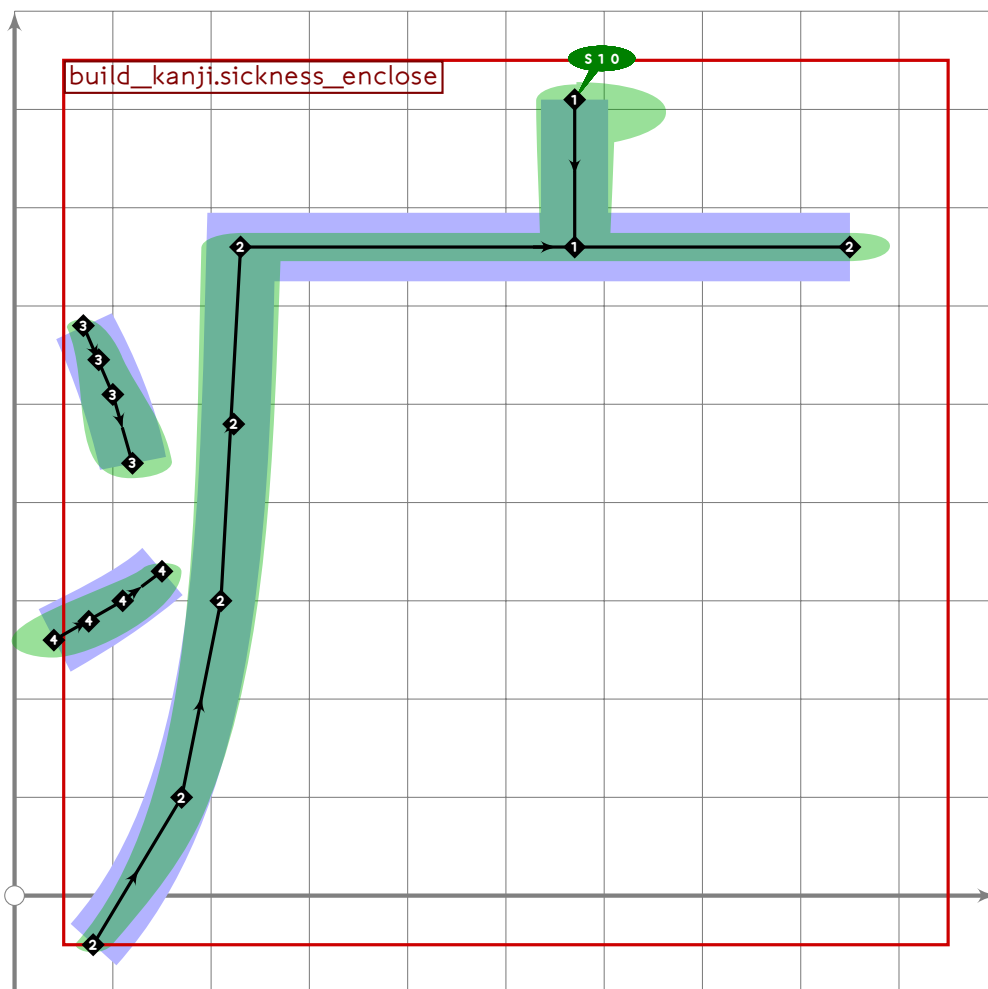
```

178 begintsuglyph("uni7530";48); [see page 462]
179   kanji.grone.paddy;
180   tsu_render;
181 endtsuglyph;
182
183 % yu/yoshi "reason" or "cause"
184 begintsuglyph("uni7531";49); [see page 654]
185   kanji.grthree.reason;
186   tsu_render;
187 endtsuglyph;
188
189 % shin/mou "have the honour to," "monkey zodiac sign," etc.
190 begintsuglyph("uni7533";51); [see page 628]
191   kanji.grthree.have_honour;
192   tsu_render;
193 endtsuglyph;
194
195 % otoko "man"
196 begintsuglyph("uni7537";55); [see page 452]
197   kanji.grone.man;
198   tsu_render;
199 endtsuglyph;
200
201 % chuu/machi "town"
202 begintsuglyph("uni753A";58); [see page 3143]
203   kanji.grone.town;
204   tsu_render;
205 endtsuglyph;
206
207 % ga/ega "brush stroke" (or "picture" but that is reserved)
208 begintsuglyph("uni753B";59); [see page 3144]
209   kanji.grtwo.brush_stroke;
210   tsu_render;
211 endtsuglyph;
212
213 % kai "realm" (actually "world" but that is a collision)
214 begintsuglyph("uni754C";76); [see page 653]
215   kanji.grthree.realm;
216   tsu_render;
217 endtsuglyph;
218
219 % fuku "roll of cloth"
220 begintsuglyph("uni7550";80); [see page 1039]
221   kanji.rare.roll_of_cloth;
222   tsu_render;
223 endtsuglyph;
224
225 % hata "farm"

```

| | | |
|-----|--|-----------------|
| 226 | begintsuglyph("uni7551";81); | [see page 3145] |
| 227 | kanji.grthree.farm; | |
| 228 | tsu_render; | |
| 229 | endtsuglyph; | |
| 230 | | |
| 231 | % ryuu/to "detain" | |
| 232 | begintsuglyph("uni7559";89); | [see page 753] |
| 233 | kanji.grfive.detain; | |
| 234 | tsu_render; | |
| 235 | endtsuglyph; | |
| 236 | | |
| 237 | % ryaku/hobo "abbreviation" | |
| 238 | begintsuglyph("uni7565";101); | [see page 3148] |
| 239 | kanji.grfive.abbreviation; | |
| 240 | tsu_render; | |
| 241 | endtsuglyph; | |
| 242 | | |
| 243 | % ban/tsuga "ordinal number" | |
| 244 | begintsuglyph("uni756A";106); | [see page 554] |
| 245 | kanji.grtwo.ordinal; | |
| 246 | tsu_render; | |
| 247 | endtsuglyph; | |
| 248 | | |
| 249 | % hiki/ashi "head" (counter for animals) | |
| 250 | begintsuglyph("uni758B";139); | [see page 945] |
| 251 | kanji.grnine.animal_counter; | |
| 252 | tsu_render; | |
| 253 | endtsuglyph; | |
| 254 | | |

U+7592
tsuku.uni7592

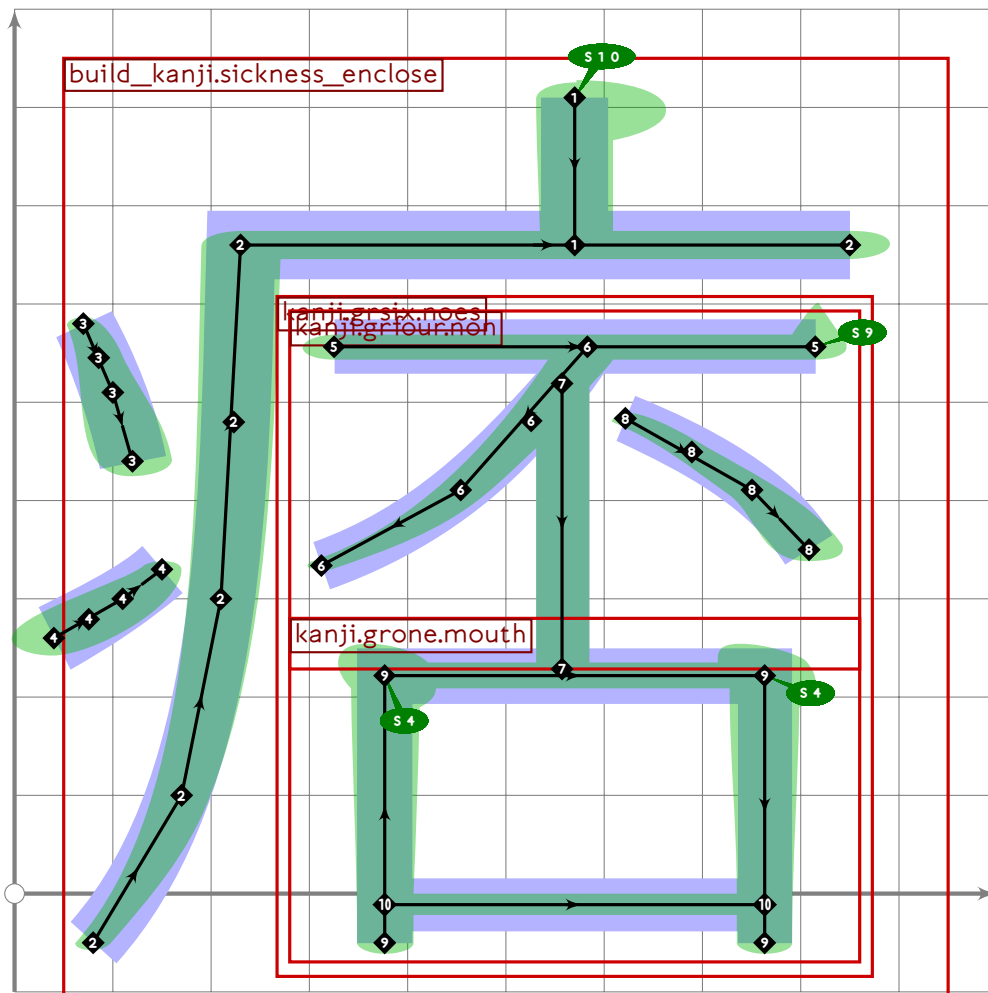


```

255 % extra: sickness enclosure radical
256 begintsuglyph("uni7592";146);
257   build_kanji.sickness_enclose();
258   tsu_render;
259 endtsuglyph;
260
261 % byou/ya "ill"
262 begintsuglyph("uni75C5";197);
263   kanji.grthree.ill;
264   tsu_render;
265 endtsuglyph;
266

```

[see page 3146]



```

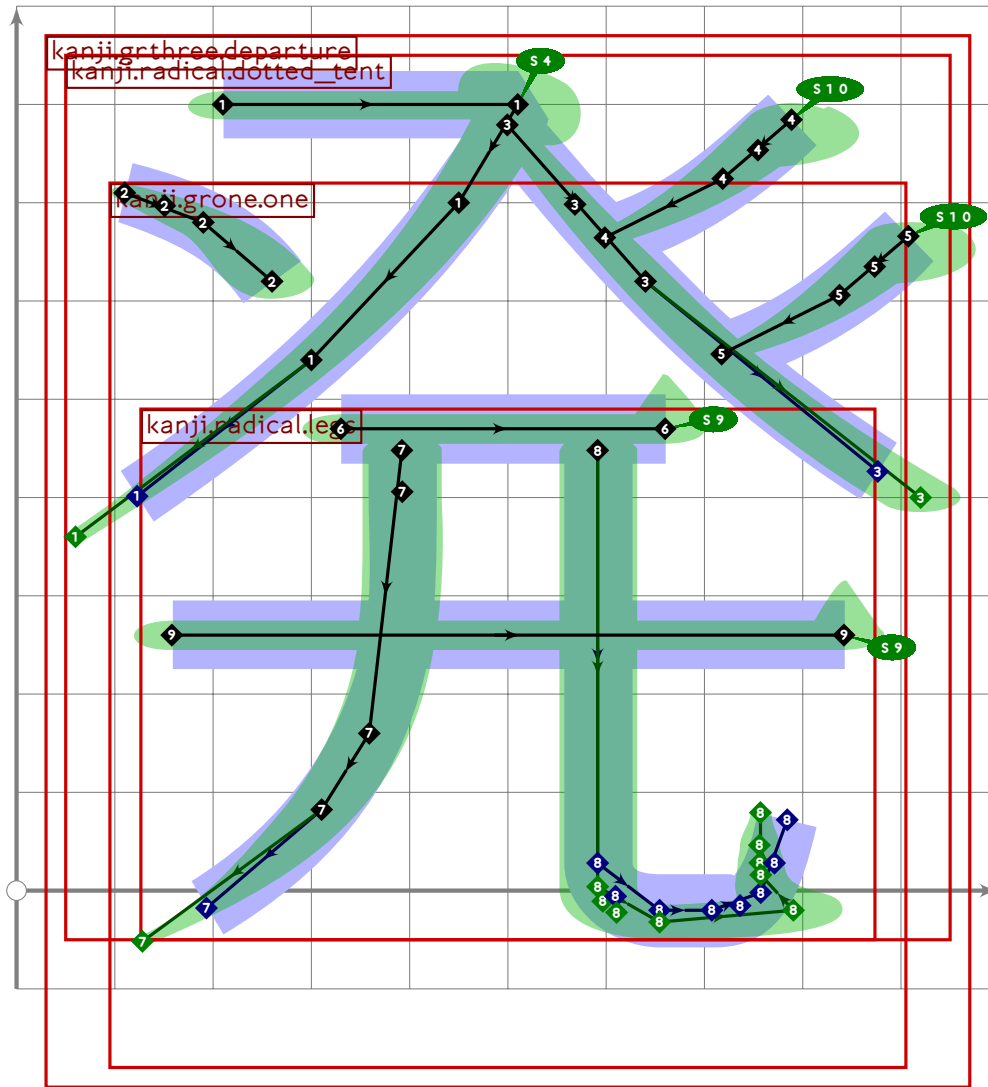
267 % extra: hi/tsukae "constipation"
268 begintsuglyph("uni75DE";222);
269   build_kanji.sickness_enclose(build_kanji.sscale
270     (yscaled 0.96 shifted (0;30))
271     (kanji.grsix.noes));
272   tsu_render;
273 endtsuglyph;
274
275
276
277 endfont;
278
279

```

tsuku-76.mp

76

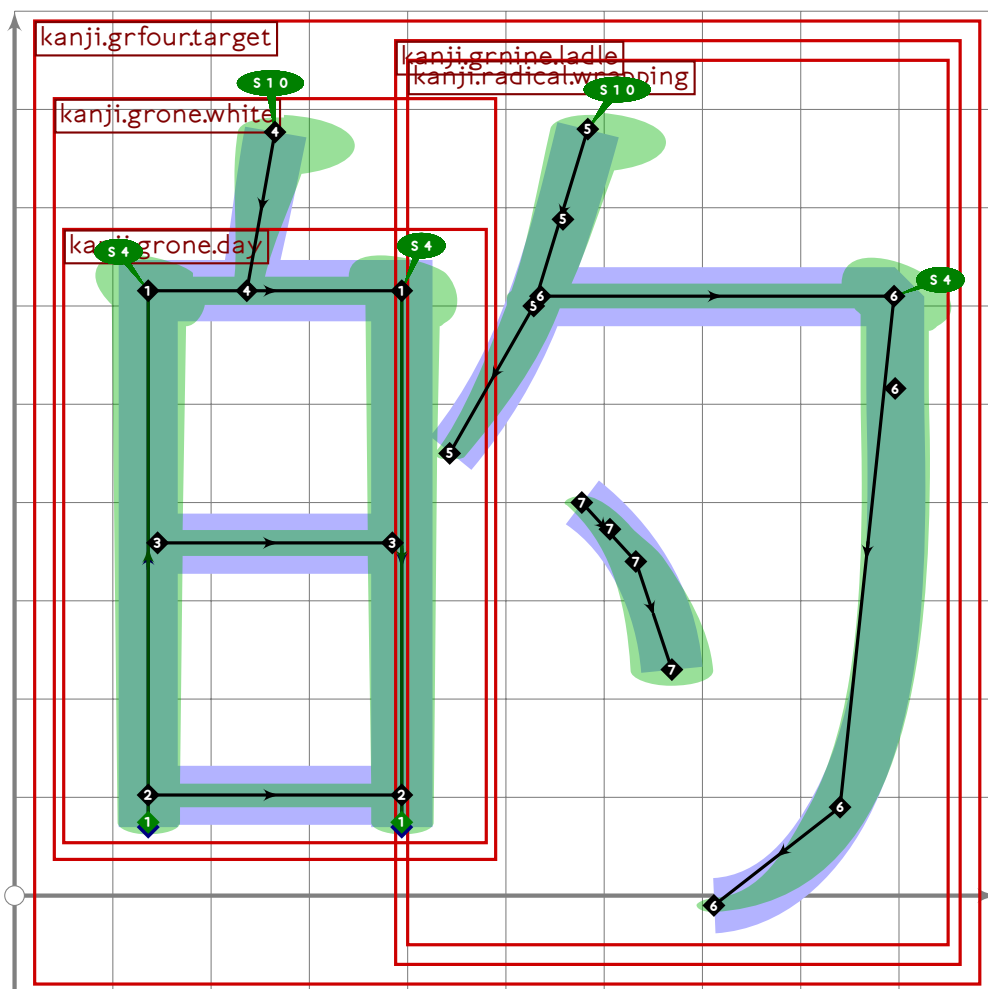
```
1 %
2 % Unicode page 76 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input toprad.mp;
49
50 do_late_includes;
51
52
```



```

53
54 vardef kanji.grthree.departure =
55   push_pbox_toexpand("kanji.grthree.departure");
56   build_kanji.level(
57     kanji.radical.dotted_tent;
58     tsu_xform(identity shifted (-500,50) xyscaled (0.83,0.6) shifted (500,-50))
59     (kanji.radical.legs);
60     build_kanji.sscale(xscaled 0.9 shifted (0,-130))(kanji.grone.one));
61   expand_pbox;
62 enddef;
63
64

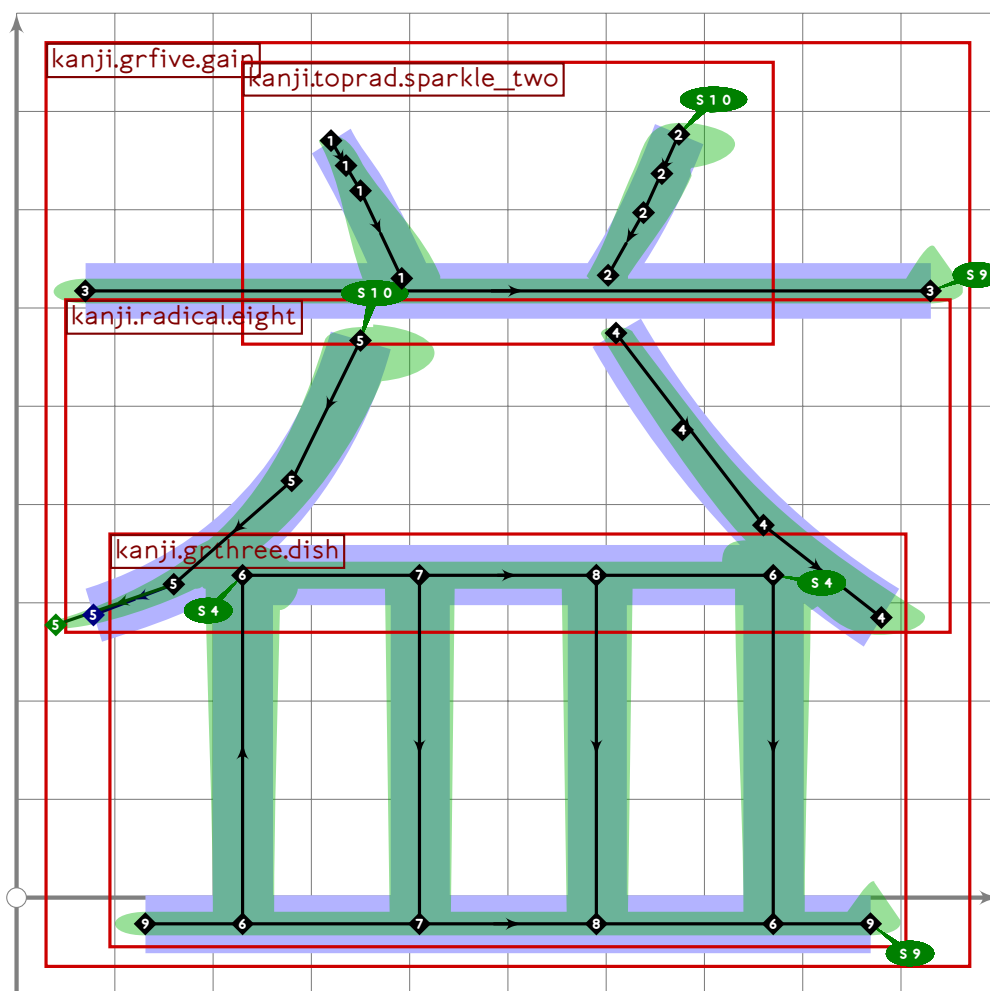
```



```

65
66 vardef kanji.grfour.target =
67   push_pbox_toexpand("kanji.grfour.target");
68   build_kanji.level(build_kanji.lr(440,80)
69     (build_kanji.sscale(yscaled 0.85 shifted (0,30))
70       (kanji.grone.white))
71       (kanji.grnine.ladle));
72   expand_pbox;
73 enddef;
74
75

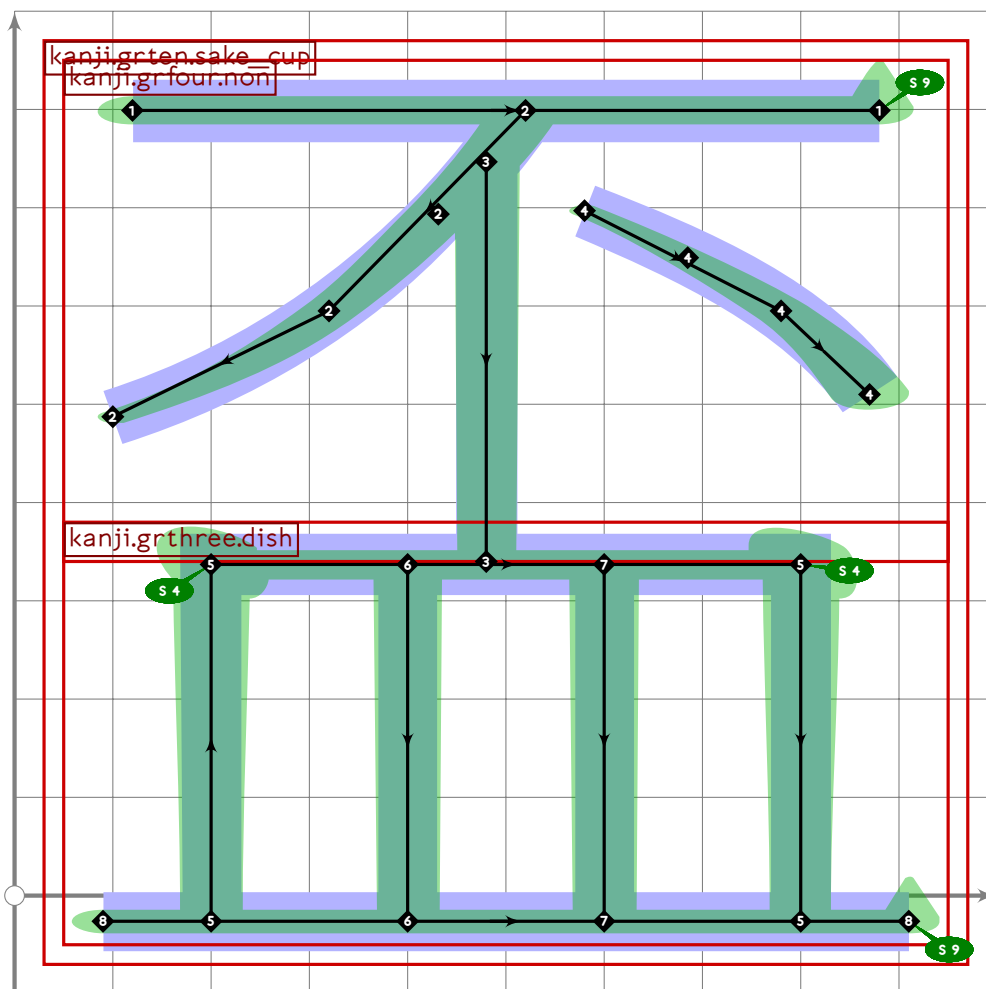
```



```

76
77 vardef kanji.grfive.gain =
78   push_pbox_toexpand("kanji.grfive.gain");
79   build_kanji.tb(320,100)
80     (build_kanji.tb(440,70)
81       (build_kanji.sscale(xscaled 0.6)(kanji.toprad.sparkle_two);
82         push_stroke((70,120)-(930,120),(1.6,1.6)-(1.6,1.6));
83         set_boserif(0,1,9))
84       (kanji.radical.eight))
85     (build_kanji.sscale(xscaled 0.9)(kanji.grthree.dish));
86   expand_pbox;
87 enddef;
88
89

```



```

90
91 vardef kanji.grten.sake_cup =
92   push_pbox_toexpand("kanji.grten.sake_cup");
93   build_kanji.tb(360,40)
94   (kanji.grfour.non)
95   (kanji.grthree.dish);
96   expand_pbox;
97 enddef;
98
99
100
101 % "dotted tent" radical (macro includes floor inside tent)
102 beginsuglyph("uni7676;118);
103   kanji.radical.dotted_tent;
104   tsu_render;
105 endtsuglyph;
106
107 % hatsu/ta "departure"
108 beginsuglyph("uni767A;122);
109   kanji.grthree.departure;
110   tsu_render;

```

[see page 833]

[see page 3155]

111 endtsuglyph;
 112
 113 % tou/nobo "climb"
 114 begintsuglyph("uni767B";123); [see page 606]
 115 kanji.grthree.climb;
 116 tsu_render;
 117 endtsuglyph;
 118
 119 % shiro "white"
 120 begintsuglyph("uni767D";125); [see page 487]
 121 kanji.grone.white;
 122 tsu_render;
 123 endtsuglyph;
 124
 125 % hyako/momo "hundred"
 126 begintsuglyph("uni767E";126); [see page 448]
 127 kanji.grone.hundred;
 128 tsu_render;
 129 endtsuglyph;
 130
 131 % teki/mato "target" and adjective ending
 132 begintsuglyph("uni7684";132); [see page 3156]
 133 kanji.grfour.target;
 134 tsu_render;
 135 endtsuglyph;
 136
 137 % kai/minna "everybody"
 138 begintsuglyph("uni7686";134); [see page 896]
 139 kanji.greight.everybody;
 140 tsu_render;
 141 endtsuglyph;
 142
 143 % kou "emperor"
 144 begintsuglyph("uni7687";135); [see page 793]
 145 kanji.grsix.emperor;
 146 tsu_render;
 147 endtsuglyph;
 148
 149 % hi/kawa "pelt"
 150 begintsuglyph("uni76AE";174); [see page 648]
 151 kanji.grthree.pelt;
 152 tsu_render;
 153 endtsuglyph;
 154
 155 % bei/sara "dish"
 156 begintsuglyph("uni76BF";191); [see page 616]
 157 kanji.grthree.dish;
 158 tsu_render;


```

159 endtsuglyph;
160
161 % hai/sakazuki "sake cup"
162 begintsuglyph("uni76C3";195); [see page 3158]
163   kanji.grten.sake_cup;
164   tsu_render;
165 endtsuglyph;
166
167 % eki/ma "gain"
168 begintsuglyph("uni76CA";202); [see page 3157]
169   kanji.grfive.gain;
170   tsu_render;
171 endtsuglyph;
172
173 % moku/me "eye"
174 begintsuglyph("uni76EE";238); [see page 437]
175   kanji.grone.eye;
176   tsu_render;
177 endtsuglyph;
178
179 % choku/nao multiple meanings including "straight" and "honesty"
180 % "The 'nao' in Naota is for honesty"
181 begintsuglyph("uni76F4";244); [see page 571]
182   kanji.grtwo.straight;
183   tsu_render;
184 endtsuglyph;
185
186 % sou/ai "mutual" but also "indication seen by fortune teller"
187 begintsuglyph("uni76F8";248); [see page 612]
188   kanji.grthree.correlation;
189   tsu_render;
190 endtsuglyph;
191
192 _____
193
194 endfont;
195
196 _____

```

tsuku-77.mp

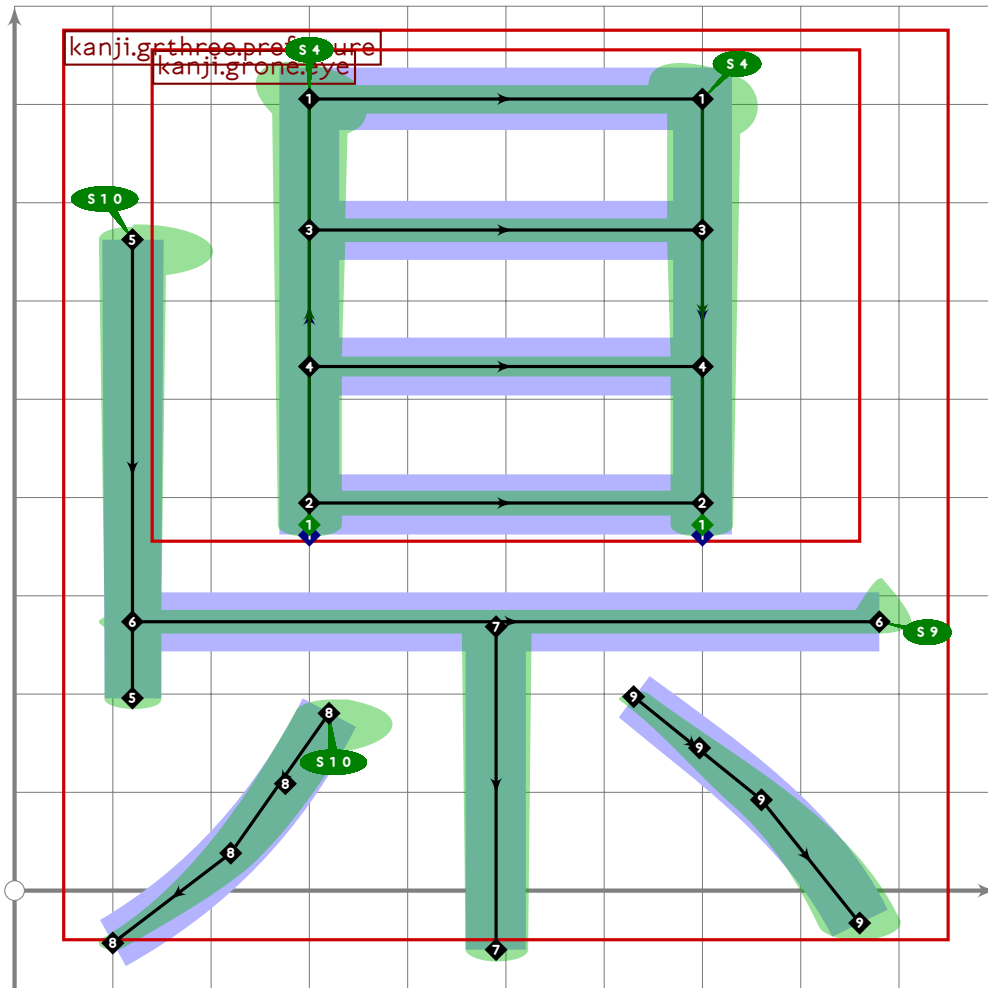
```
1 %
2 % Unicode page 77 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

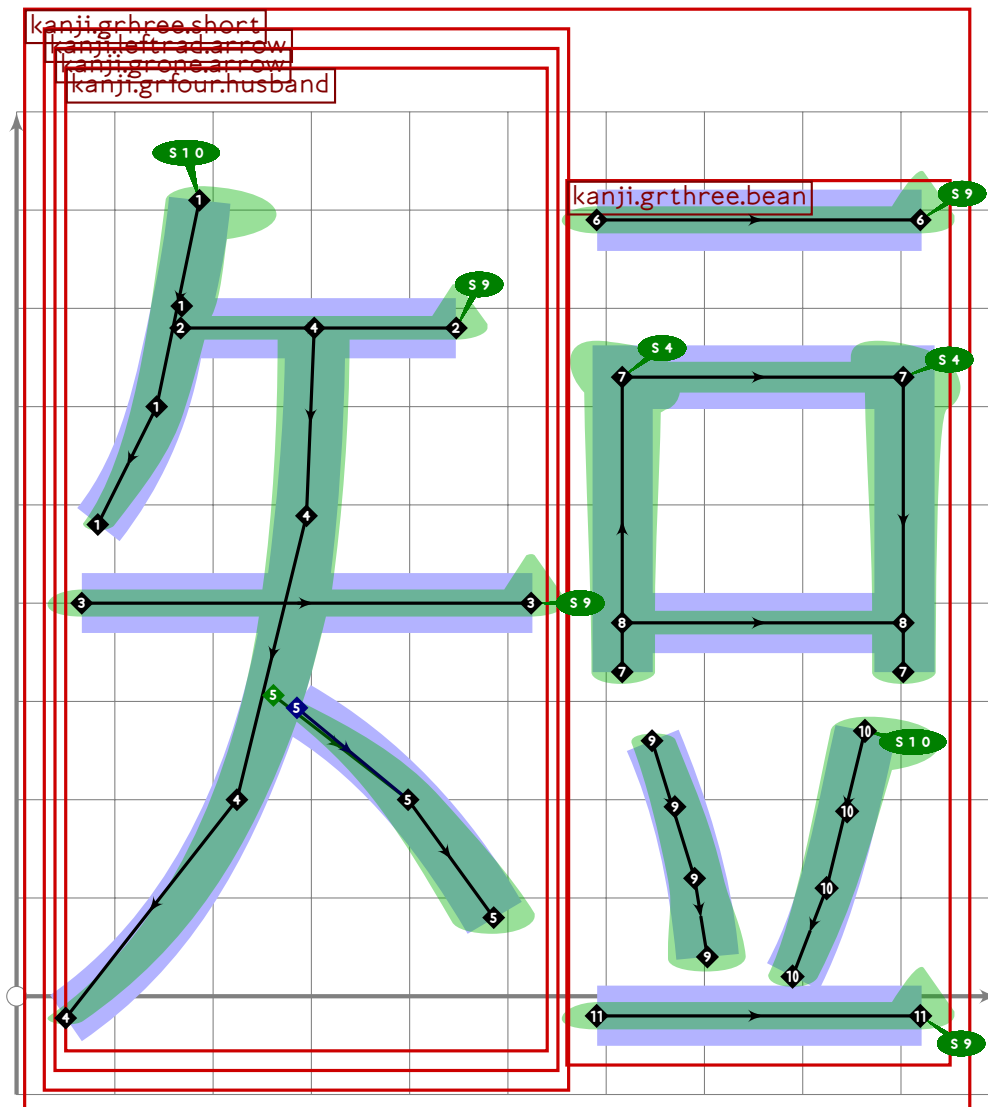

```



```

49
50 vardef kanji.grthree.prefecture =
51   push_pbox_toexpand("kanji.grthree.prefecture");
52   build_kanji.level(build_kanji.tb(240,30)
53     (build_kanji.sscale(scaled 0.80 shifted (0,100))(kanji.grthree.ey);
54     build_kanji.cup((120,580),(880,20));
55     set_bosize(-1,0);
56     set_bosetif(0,1,9))
57     (push_stroke((490,890)-(490,-80),(1.6,1.6)-(1.5,1.5));
58     push_stroke((320,630)..tension 1.3..(220,210)..(100,-60),
59       (1.6,1.6)-(1.5,1.5)-(1,1));
60     set_bosetif(0,0,10);
61     push_stroke((630,680)..tension 1.3..(760,370)..(860,0),
62       (1,1)-(1.5,1.5)-(1.8,1.8))));
63   expand_pbox;
64 enddef;

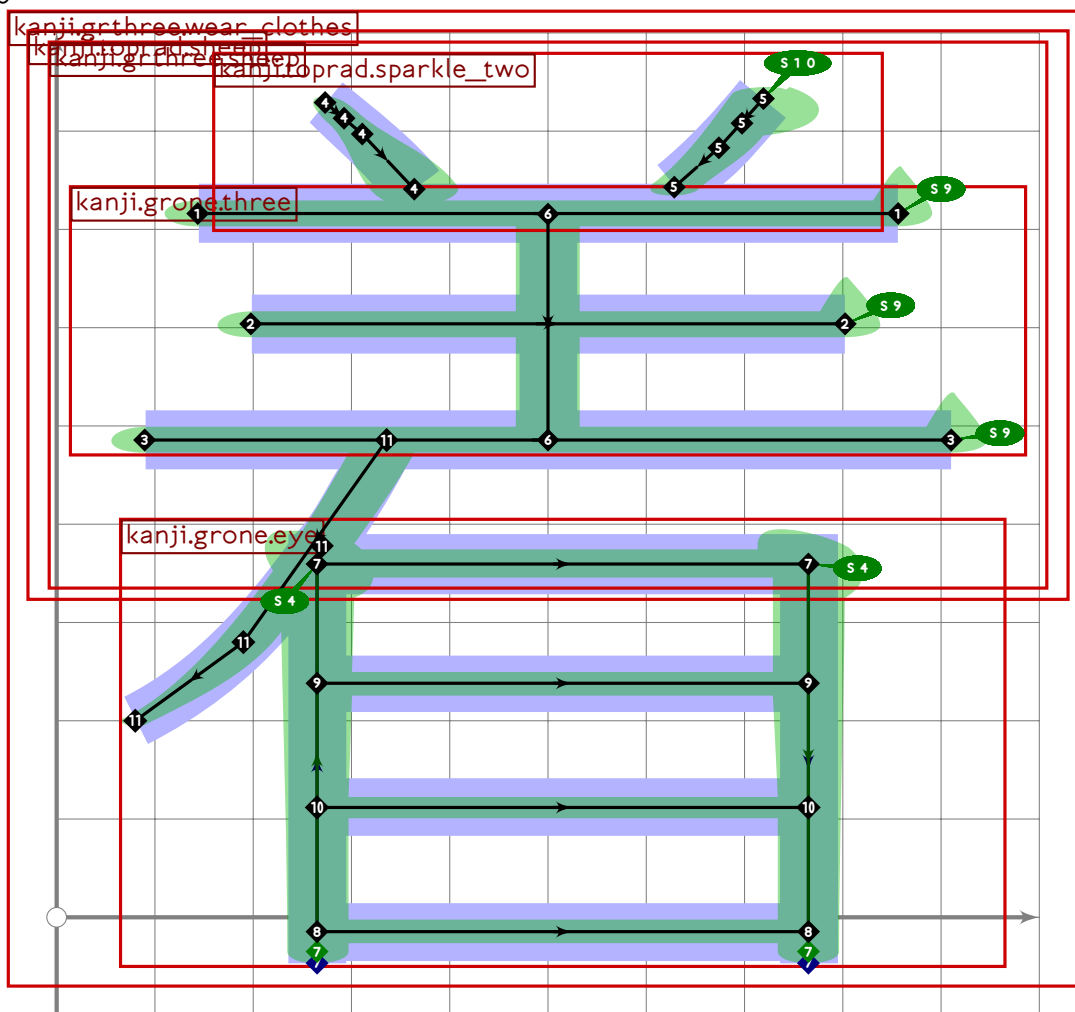
```



```

65
66 vardef kanji.grthree.short =
67   push_pbox_toexpand("kanji.grhree.short");
68   build_kanji.level(build_kanji.lr(550,-20)
69     (kanji.leftrad.arrow)
70     (tsu_xform(identity shifted (0,-20))(kanji.grthree.beam)));
71   expand_pbox;
72 enddef;

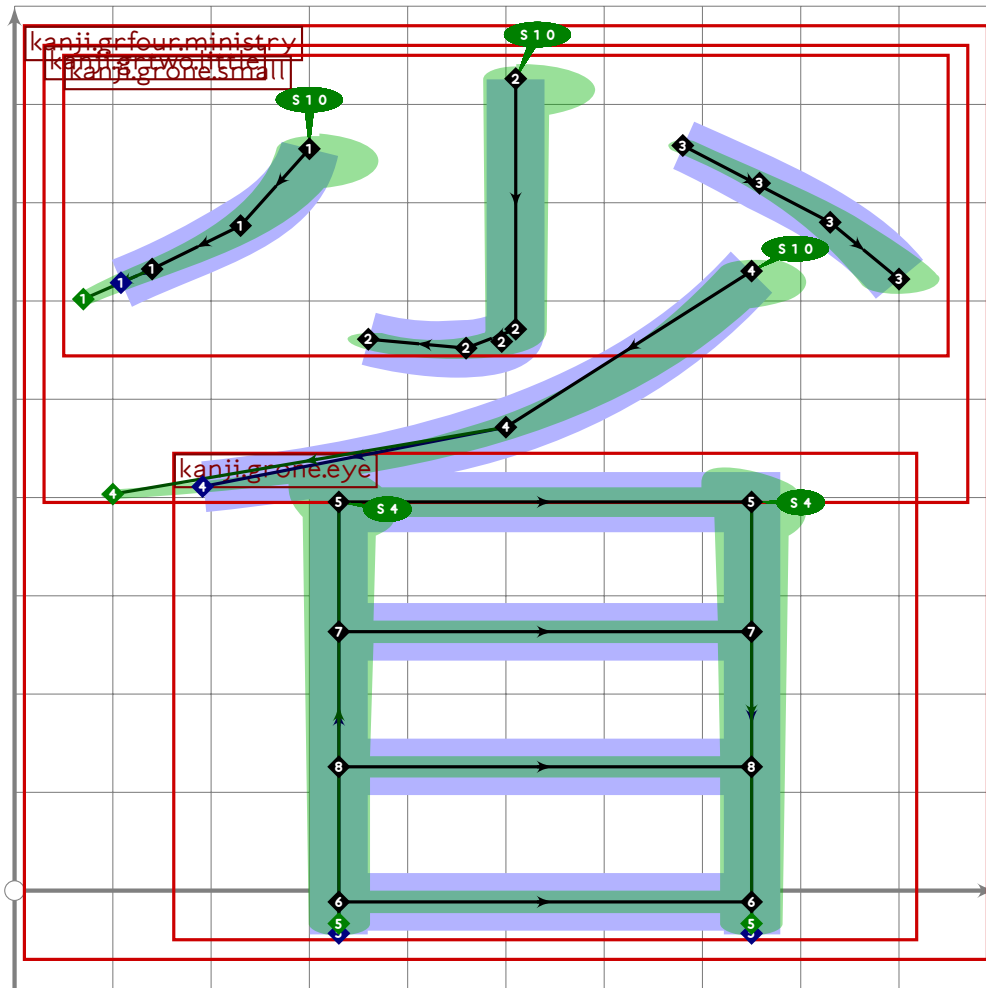
```



```

73
74 vardef kanji.grthree.wear_clothes =
75   push_pbox_toexpand("kanji.grthree.wear_clothes");
76   build_kanji.level(
77     build_kanji.tb(370,70)
78     (build_kanji.sscale(xscaled 1.08)(kanji.toprad.sheep))
79     (tsu_xform(identity shifted (15,0))(kanji.grthree.eyes));
80   push_stroke(
81     (point 0.30 of get_strokep(-7)).tension 1.2..(190,280)..(80,200),
82     (1.6,1.6)-(1.4,1.4)-(1,1));
83   expand_pbox;
84 enddef;
85
86

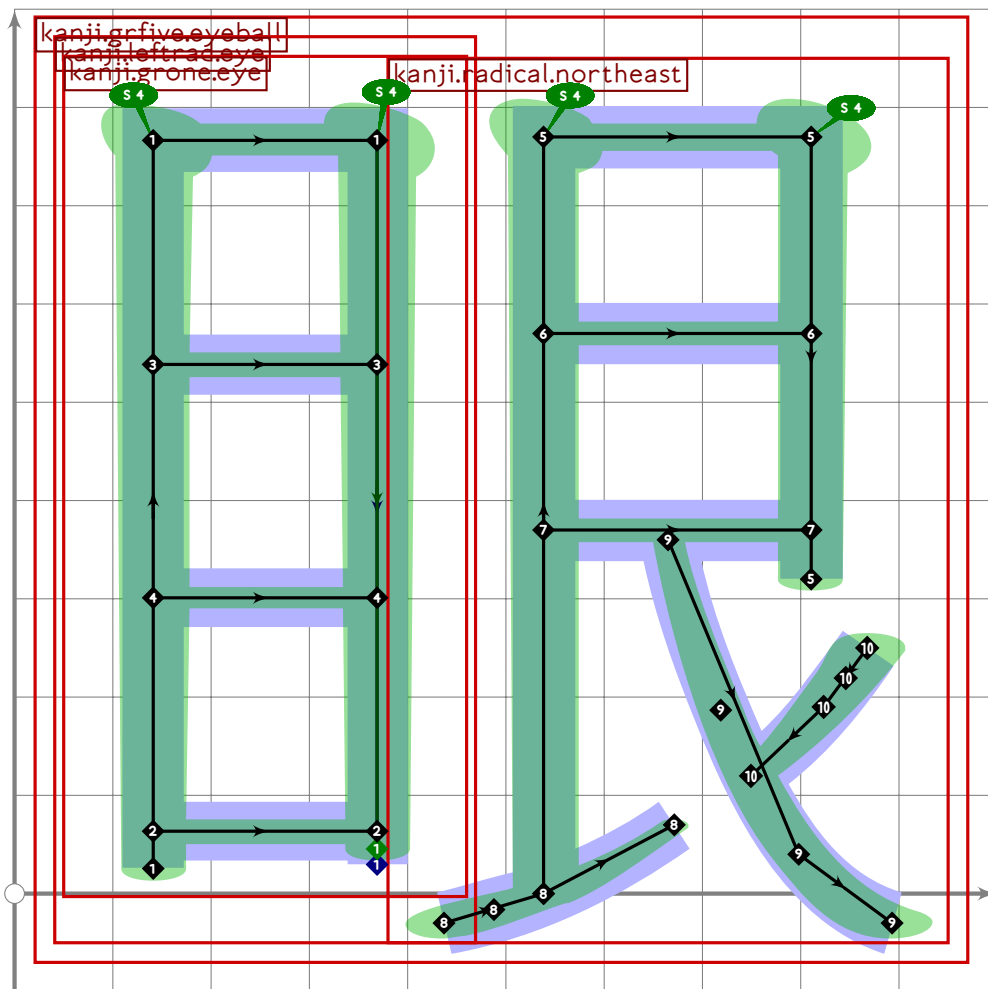
```



```

87
88 vardef kanji.grfour.ministry =
89   push_pbox_toexpand("kanji.grfour.ministry");
90   build_kanji.level(build_kanji.tb(420,50)
91     (kanji.grtwo.little)
92     (build_kanji.sscale(xscaled 0.84 shifted (40,0))(kanji.grone.eye)));
93   expand_pbox;
94 enddef;
95
96

```

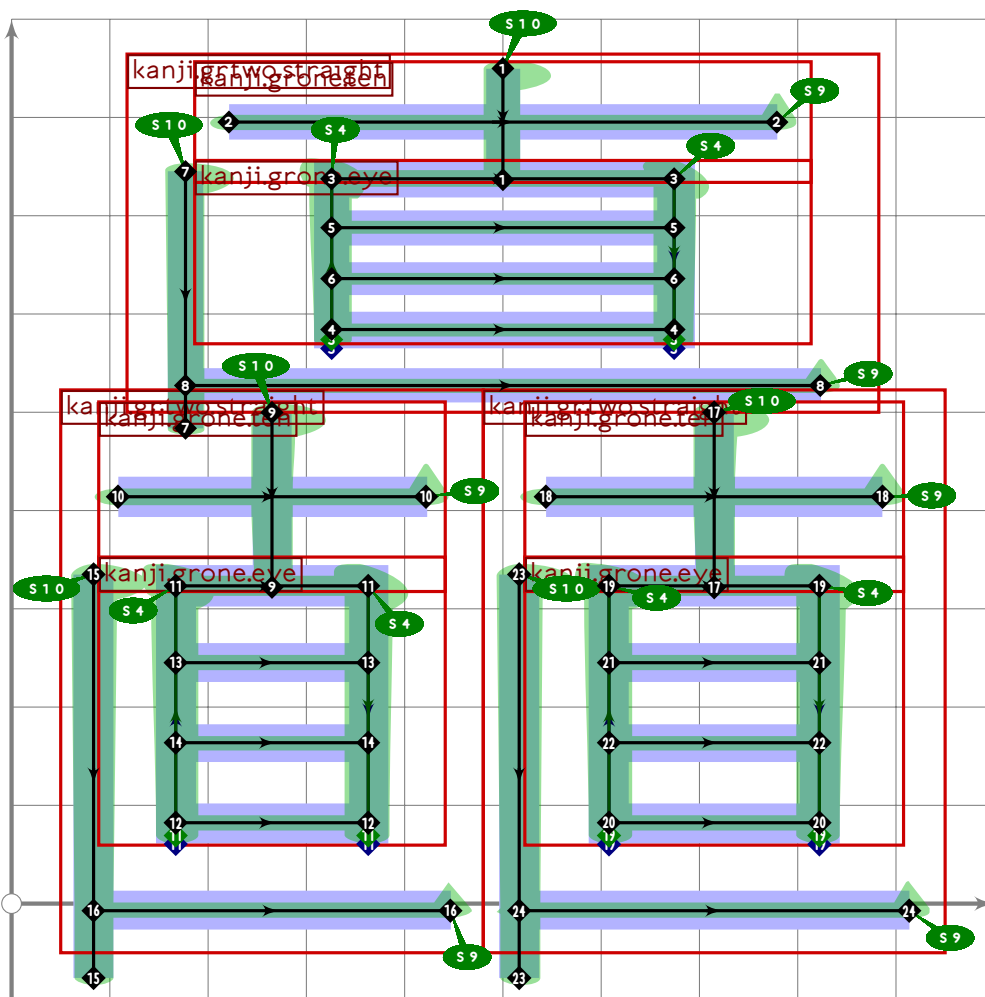


```

97
98 vardef kanji.grfive.eyeball =
99   push_pbox_toexpand("kanji.grfive.eyeball");
100   build_kanji.level(build_kanji.lr(420,80)
101     (kanji.leftrad.eyeball)
102     (kanji.radical.northeast));
103   expand_pbox;
104 enddef;
105
106
107
108 vardef kanji.leftrad.eyeball =
109   push_pbox_toexpand("kanji.leftrad.eyeball");
110   build_kanji.sscaled(yscaled 0.95 shifted (0,25))(kanji.grone.eyeball);
111   replace_stroke(-3)((subpath (0,2) of oldp)--((0,50)+point 3 of oldp));
112   expand_pbox;
113 enddef;
114
115
116
117 % sei/kaeri "ministry"

```

| | | |
|-----|-------------------------------|-----------------|
| 118 | begintsuglyph("uni7701";1); | [see page 3165] |
| 119 | kanji.grfour.ministry; | |
| 120 | tsu_render; | |
| 121 | endtsuglyph; | |
| 122 | | |
| 123 | % ken/ka "prefecture" | |
| 124 | begintsuglyph("uni770C";12); | [see page 3162] |
| 125 | kanji.grthree.prefecture; | |
| 126 | tsu_render; | |
| 127 | endtsuglyph; | |
| 128 | | |
| 129 | % shin/ma "truth" | |
| 130 | begintsuglyph("uni771F";31); | [see page 665] |
| 131 | kanji.grthree.truth; | |
| 132 | tsu_render; | |
| 133 | endtsuglyph; | |
| 134 | | |
| 135 | % gan/manako "eyeball" | |
| 136 | begintsuglyph("uni773C";60); | [see page 3166] |
| 137 | kanji.grfive.eyeball; | |
| 138 | tsu_render; | |
| 139 | endtsuglyph; | |
| 140 | | |
| 141 | % chaku/ki/tsu "wear clothes" | |
| 142 | begintsuglyph("uni7740";64); | [see page 3164] |
| 143 | kanji.grthree.wear_clothes; | |
| 144 | tsu_render; | |
| 145 | endtsuglyph; | |
| 146 | | |



```

147 % extra: "luxuriance"
148 begintsuglyph("uni77D7";215);
149   build_kanji.tricuster(0.85)
150     (build_kanji.thickness(0.7)(kanji.grtwo.straight))
151     (build_kanji.thickness(0.8)(kanji.grtwo.straight))
152     (build_kanji.thickness(0.8)(kanji.grtwo.straight));
153   tsu_render;
154 endtsuglyph;
155
156 % mu/hoko "Chinese spear"
157 begintsuglyph("uni77DB";219);
158   kanji.greight.chinese_spear;
159   tsu_render;
160 endtsuglyph;
161
162 % shi/ya "arrow"
163 begintsuglyph("uni77E2";226);
164   kanji.grtwo.arrow;
165   tsu_render;
166 endtsuglyph;
167

```

[see page 885]

[see page 491]

```

168 % chi/shi "to know"
169 begintsuglyph("uni77E5",229); [see page 534]
170   kanji.grtwo.know;
171   tsu_render;
172 endtsuglyph;
173
174 % tan/mijika "short"
175 begintsuglyph("uni77ED",237); [see page 3163]
176   kanji.grthree.short;
177   tsu_render;
178 endtsuglyph;
179
180 % seki/ishi "stone"
181 begintsuglyph("uni77F3",243); [see page 478]
182   kanji.grone.stone;
183   tsu_render;
184 endtsuglyph;
185
186 _____
187
188 endfont;
189
190 _____

```

tsuku-78.mp

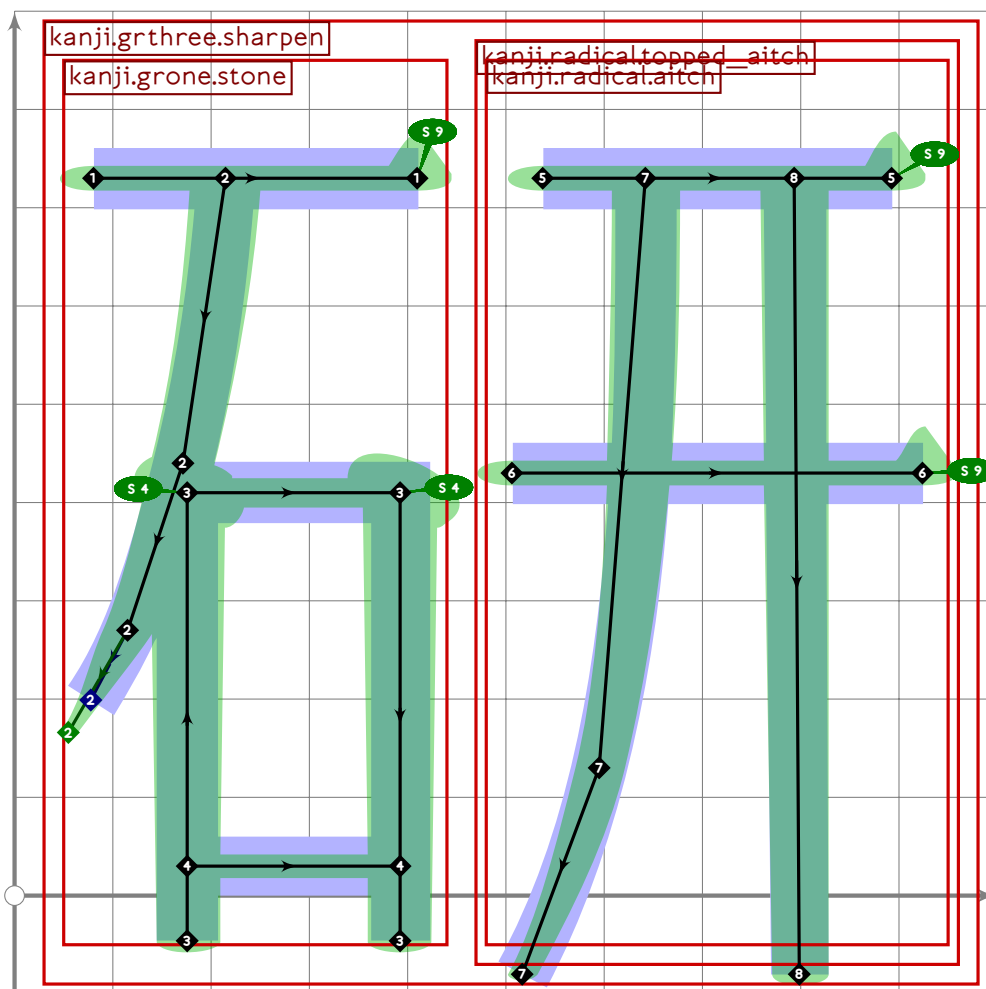
```
1 %
2 % Unicode page 78 (Kanji) for Tsukurimashou
3 % Copyright (C) 2012, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradeone.mp;
40 input gradethree.mp;
41 input radical.mp;
42
43 do_late_includes;
44
45 

---

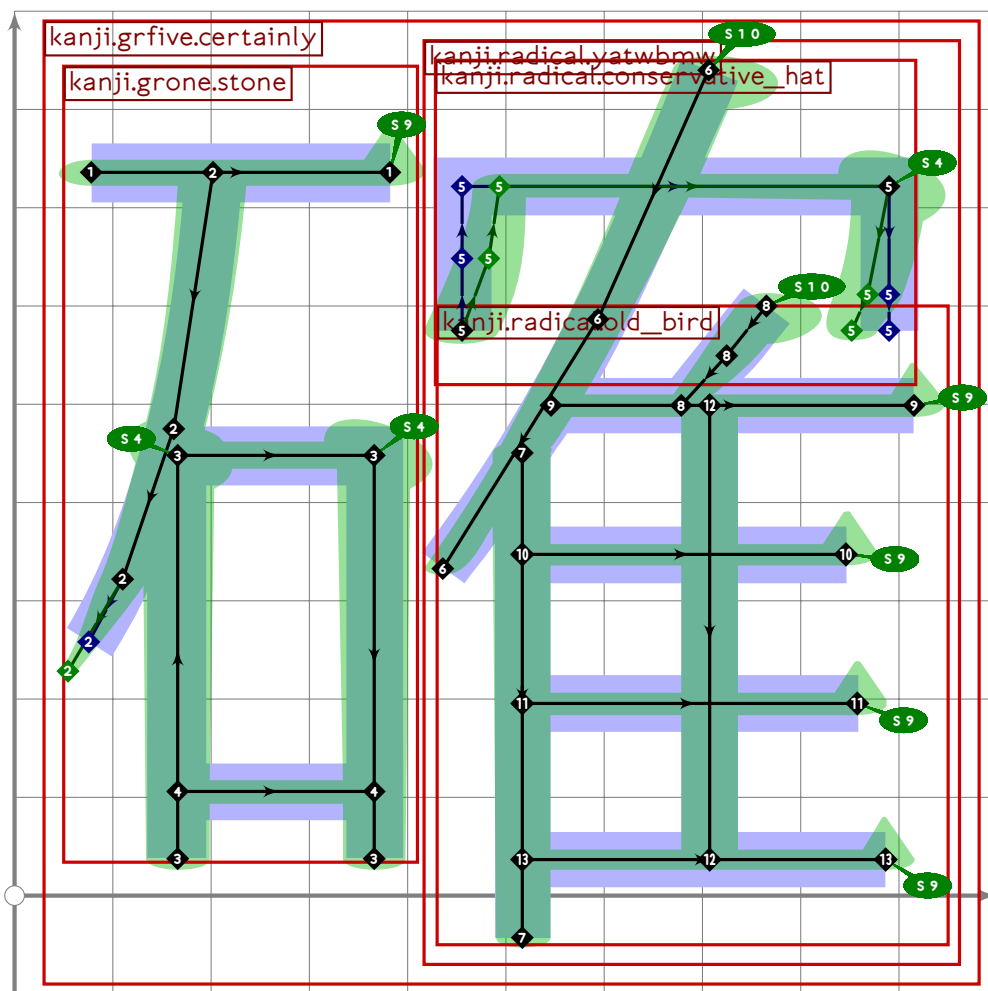

```



```

46
47 vardef kanji.grthree.sharpen =
48   push_pbox_toexpand("kanji.grthree.sharpen");
49   build_kanji.level(build_kanji.lr(460,-40)
50     (kanji.grthree.sharpen)
51     (kanji.radical.topped_aitch));
52   expand_pbox;
53 enddef;
54
55

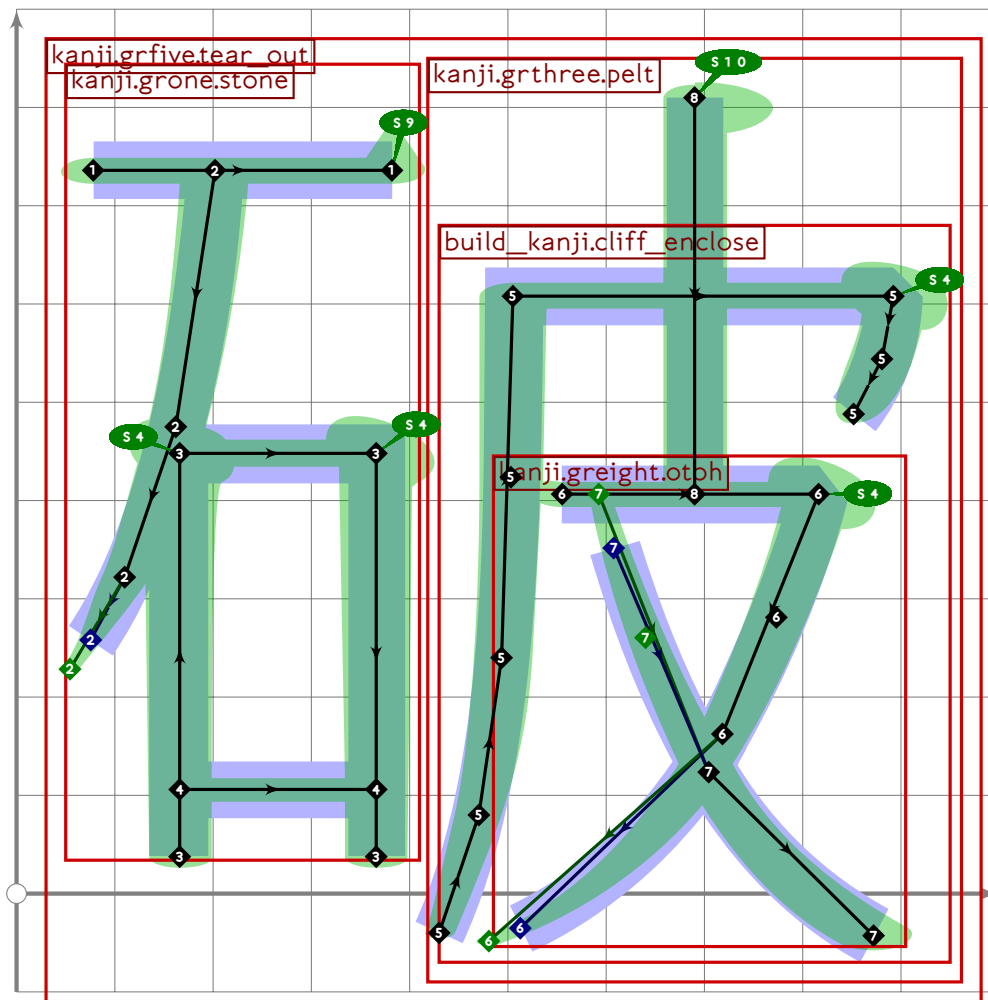
```



```

56
57 vardef kanji.grfive.certainly =
58   push_pbox_toexpand("kanji.grfive.certainly");
59   build_kanji.level(build_kanji.lr(420,-20)
60     (build_kanji.sscale(yscaled 0.9 shifted (0,40))(kanji.grone.stone))
61     (kanji.radical.yatwbmw));
62   expand_pbox;
63 enddef;

```



```

64
65 vardef kanji.grfive.tear_out =
66   push_pbox_toexpand("kanji.grfive.tear_out");
67   build_kanji.level(build_kanji.lr(420;20)
68     (build_kanji.sscale(yscaled 0.9 shifted (0,40))(kanji.grone.stone))
69     (kanji.grthree.pelt));
70   expand_pbox;
71 enddef;
72
73
74
75 % ken/to "sharpen"
76 begintsuglyph("uni7814";20);
77   kanji.grthree.sharpen;
78   tsu_render;
79 endtsuglyph;
80
81 % ha/yabu "tear out"
82 begintsuglyph("uni7834";52);
83   kanji.grfive.tear_out;
84   tsu_render;

```

[see page 3171]

[see page 3173]

```
85 endtsuglyph;
86
87 % kaku/tashika "certainly"
88 begintsuglyph("uni78BA",186); [see page 3172]
89   kanji.grfive.certainly;
90   tsu_render;
91 endtsuglyph;
92
93 

---

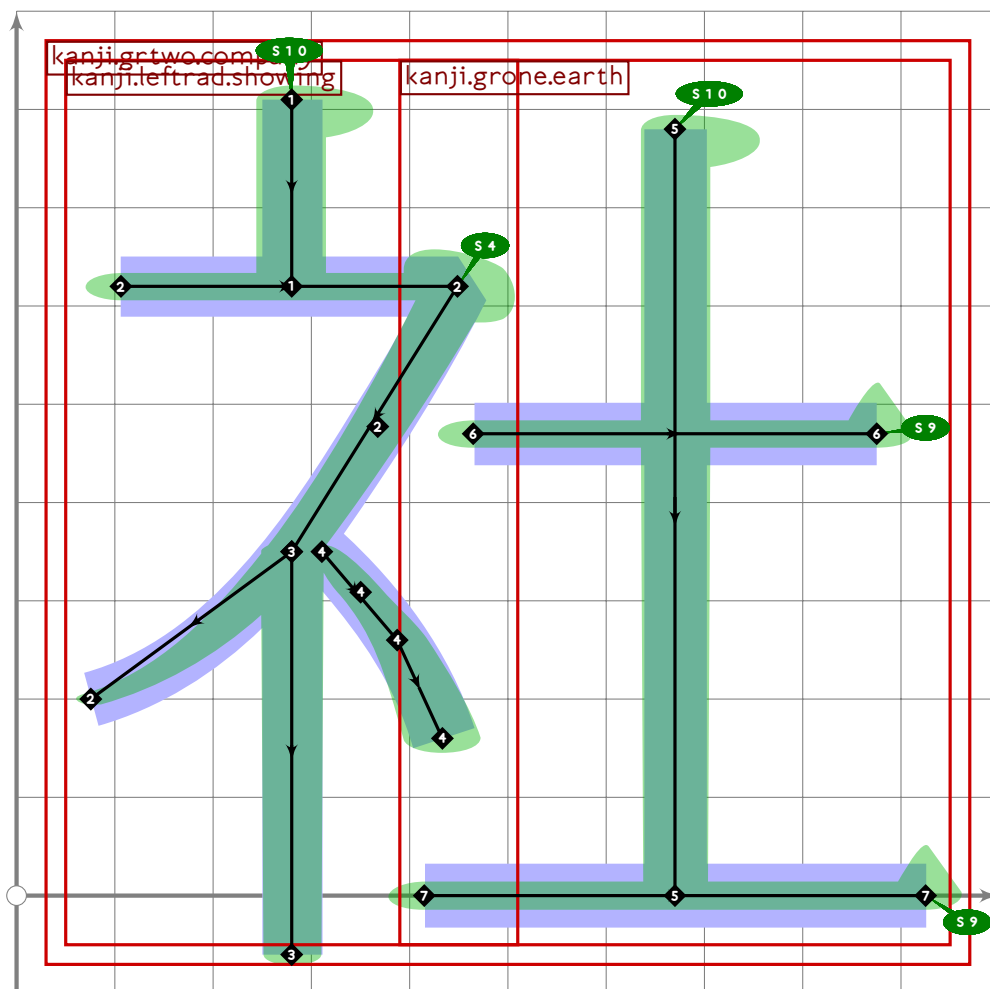

94
95 endfont;
96
97 

---


```

tsuku-79.mp

```
1 %
2 % Unicode page 79 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefive.mp;
40 input gradefour.mp;
41 input gradenine.mp;
42 input gradeone.mp;
43 input gradesix.mp;
44 input gradethree.mp;
45 input gradetwo.mp;
46 input leftrad.mp;
47 input radical.mp;
48 input rare.mp;
49 input rightrad.mp;
50 input toprad.mp;
51
52 do_late_includes;
53
54
```

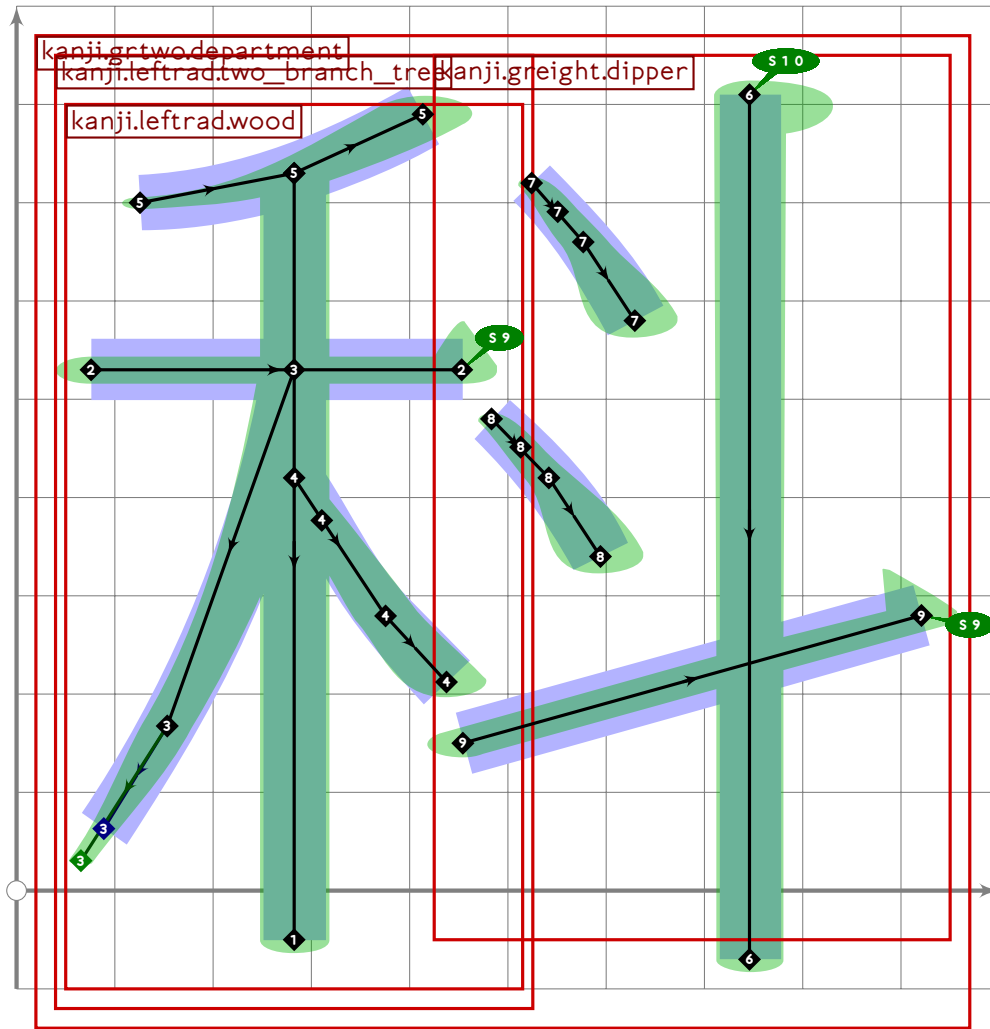



79

```

55
56 vardef kanji.grtwo.company =
57   push_pbox_toexpand("kanji.grtwo.company");
58   build_kanji.lr(450,120)
59   (kanji.leftrad.showing)
60   (kanji.grone.earth);
61   expand_pbox;
62 enddef;

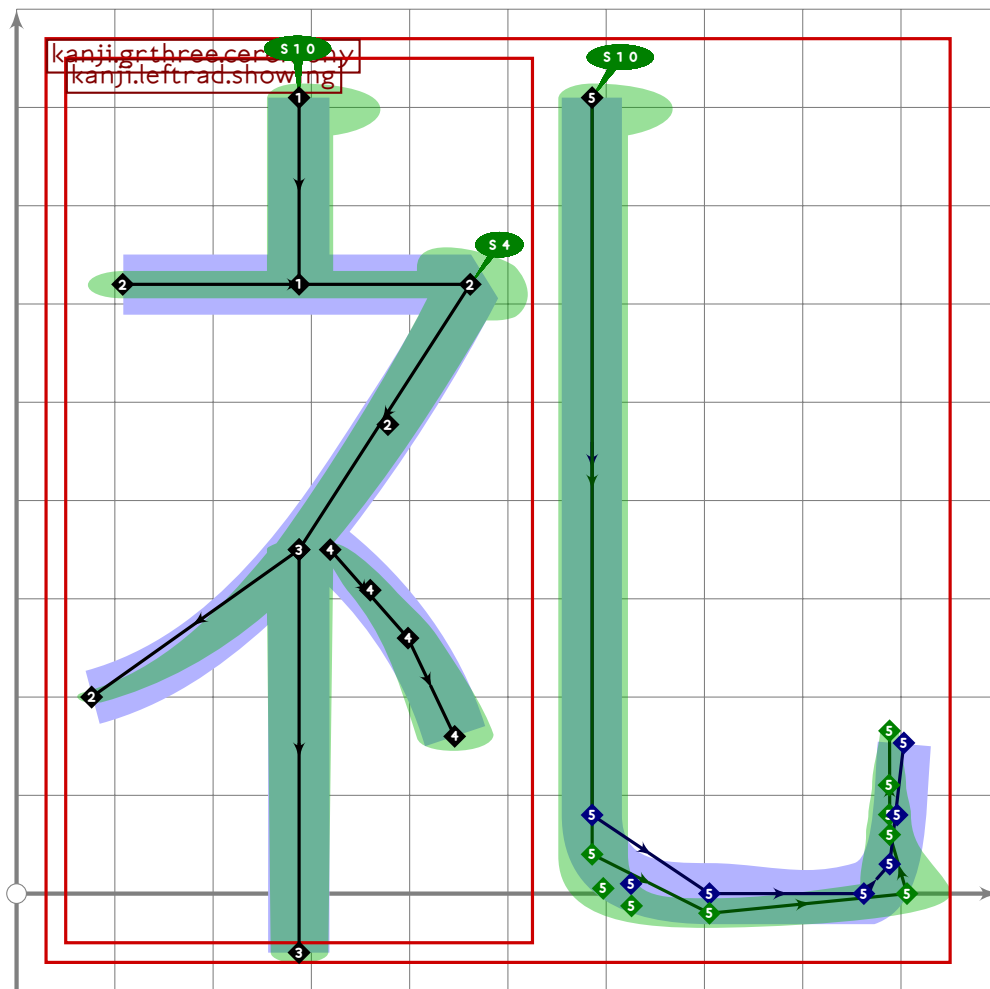
```



```

63
64 vardef kanji.grtwo.department =
65   push_pbox_toexpand("kanji.grtwo.department");
66   build_kanji.lr(470,90)
67     (build_kanji.lift_skirt(300,140)
68       (kanji.leftrad.two_branch_tree);
69     replace_strokep(-4)((point 0 of oldp)..(xpart point 1 of oldp;-50)))
70     (kanji.greight.dipper);
71   expand_pbox;
72 enddef;
73
74

```

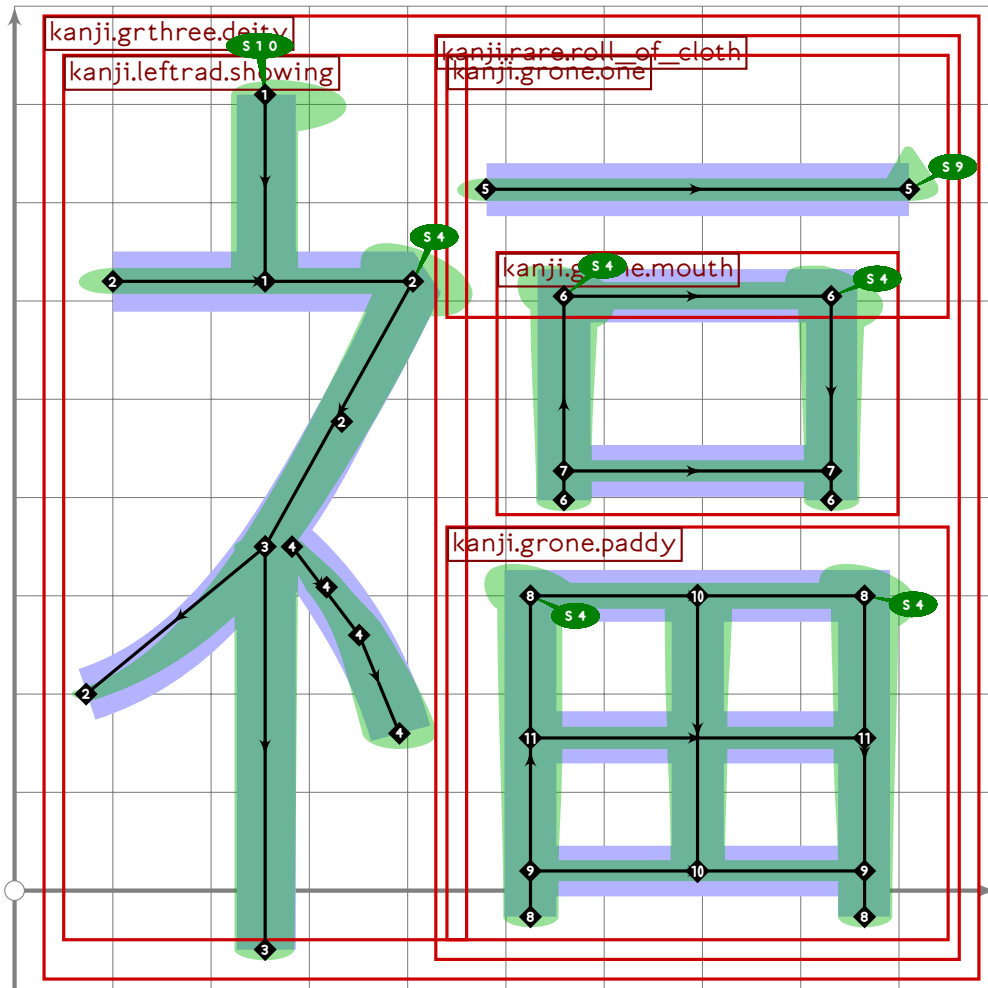


79

```

75
76 vardef kanji.grthree.ceremony =
77   push_pbox_toexpand("kanji.grthree.ceremony");
78   build_kanji.lr(540,-30)
79   (kanji.leftrad.showing)
80   (push_stroke((120,810),(1.6,1.6));
81     set_boserif(0,0,10);
82     build_kanji.add_tail(0));
83   expand_pbox;
84 enddef;

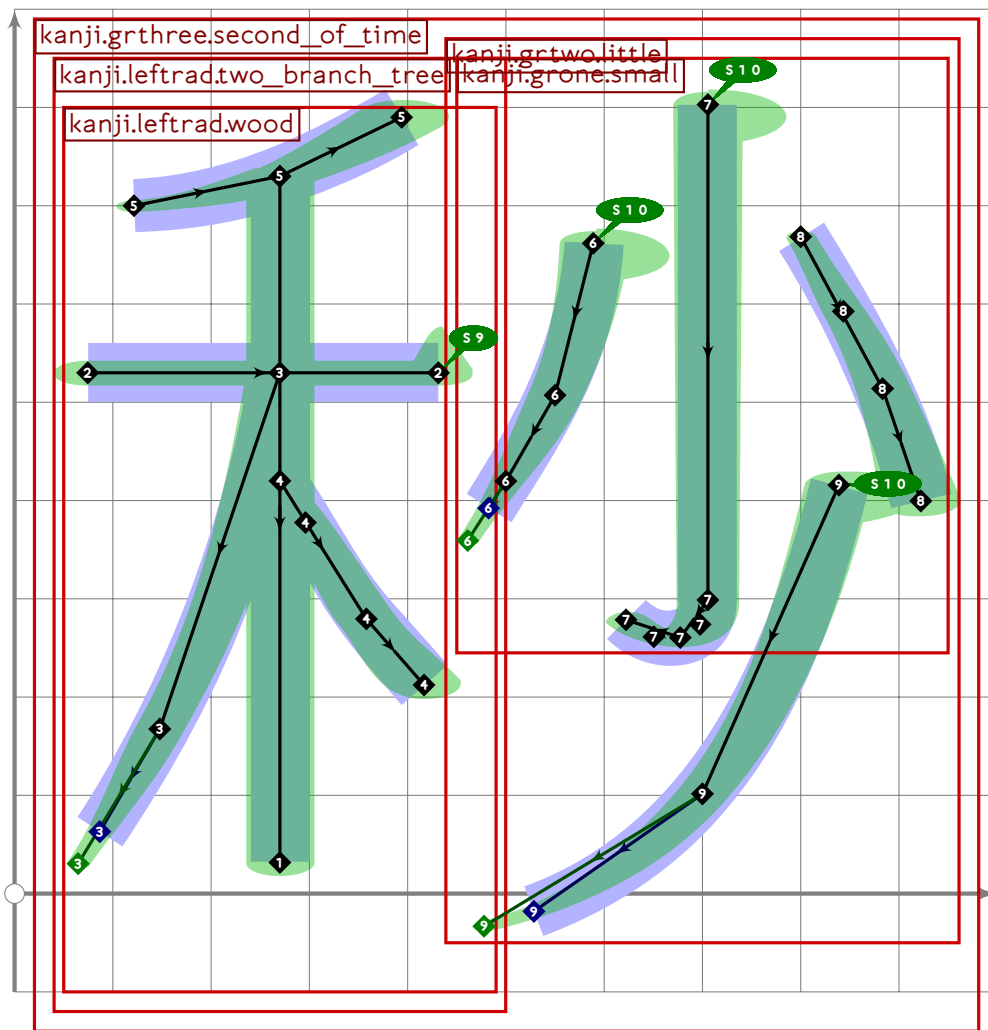
```



```

85
86 vardef kanji.grthree.good_luck =
87   push_pbox_toexpand("kanji.grthree.deity");
88   build_kanji.lr(450,20)
89   (kanji.leftrad.showing)
90   (kanji.rare.roll_of_cloth);
91   expand_pbox;
92 enddef;

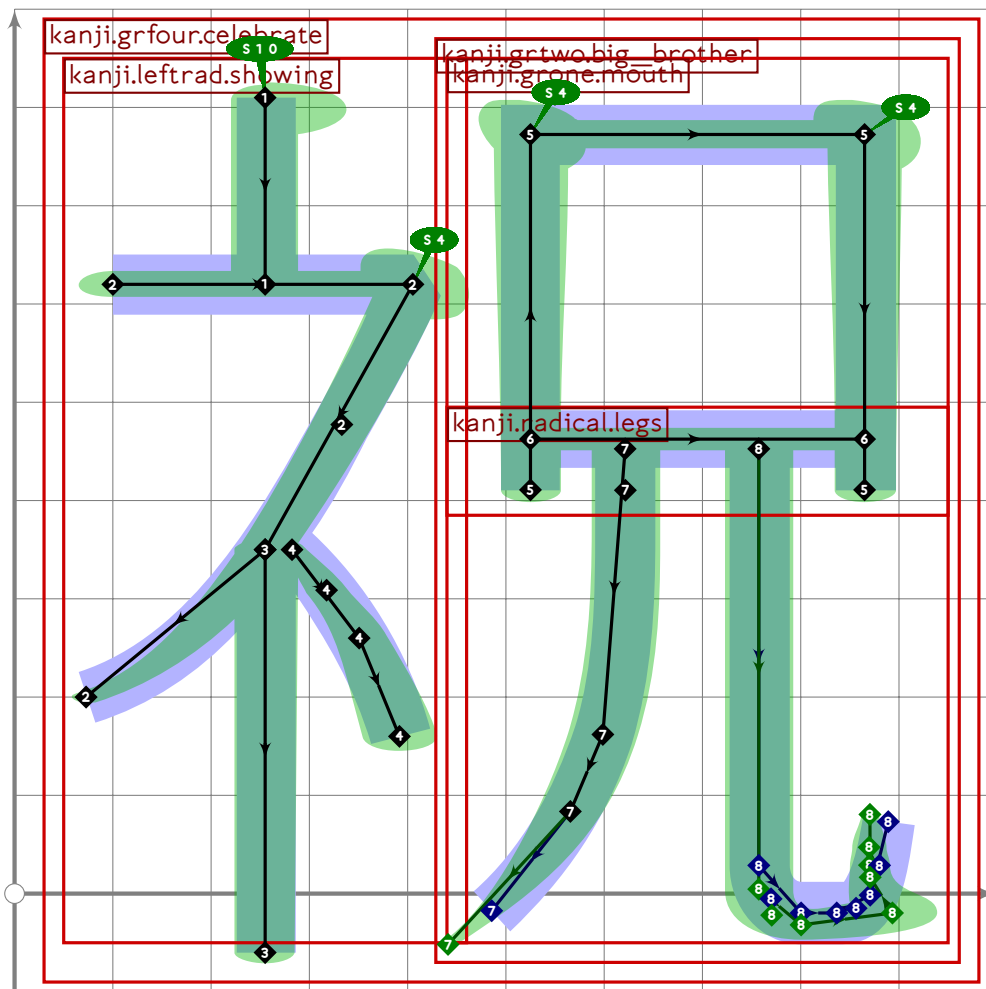
```



79

```

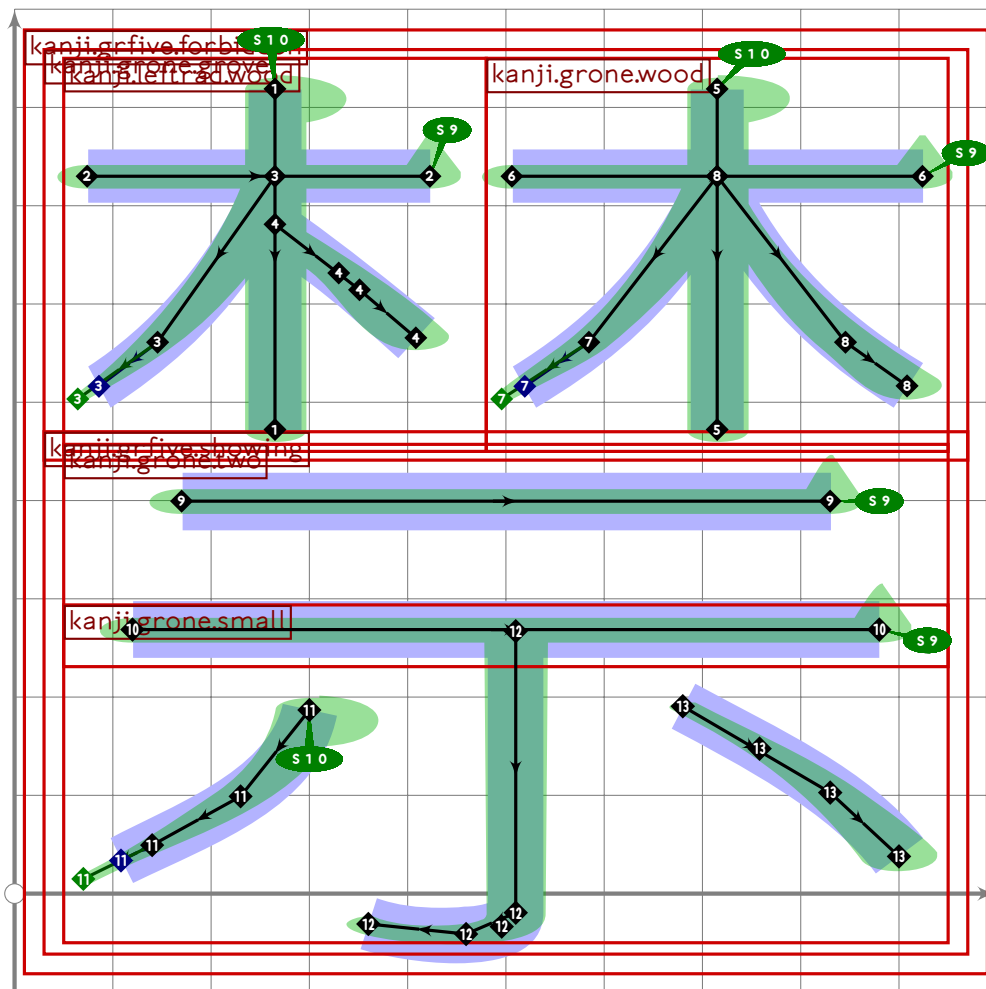
93
94 vardef kanji.grthree.second_of_time =
95   push_pbox_toexpand("kanji.grthree.second_of_time");
96   build_kanji.level(build_kanji.lr(470,40)
97     (build_kanji.lift_skirt(300,140)
98       (kanji.leftrad.two_branch_tree))
99     (kanji.grtwo.little));
100   expand_pbox;
101 enddef;
102
103
```



```

104
105 vardef kanji.grfour.celebrate =
106   push_pbox_toexpand("kanji.grfour.celebrate");
107   build_kanji.lr(450,20)
108     (kanji.leftrad.showing)
109     (kanji.grtwo.big_brother);
110   expand_pbox;
111 enddef;
112
113

```

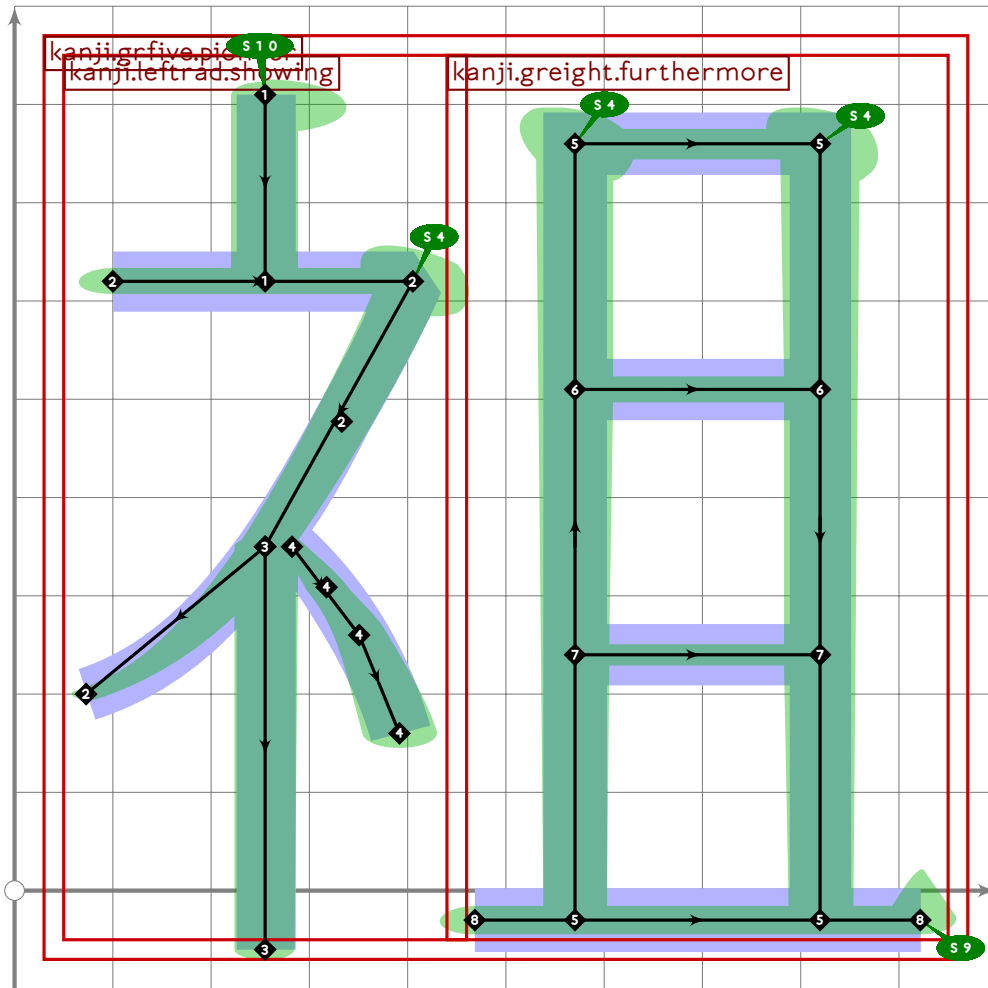


79

```

114
115 vardef kanji.grfive.forbidden =
116   push_pbox_toexpand("kanji.grfive.forbidden");
117   build_kanji.tb(460,20)
118     (kanji.grone.grove)
119     (kanji.grfive.showing);
120   expand_pbox;
121 enddef;

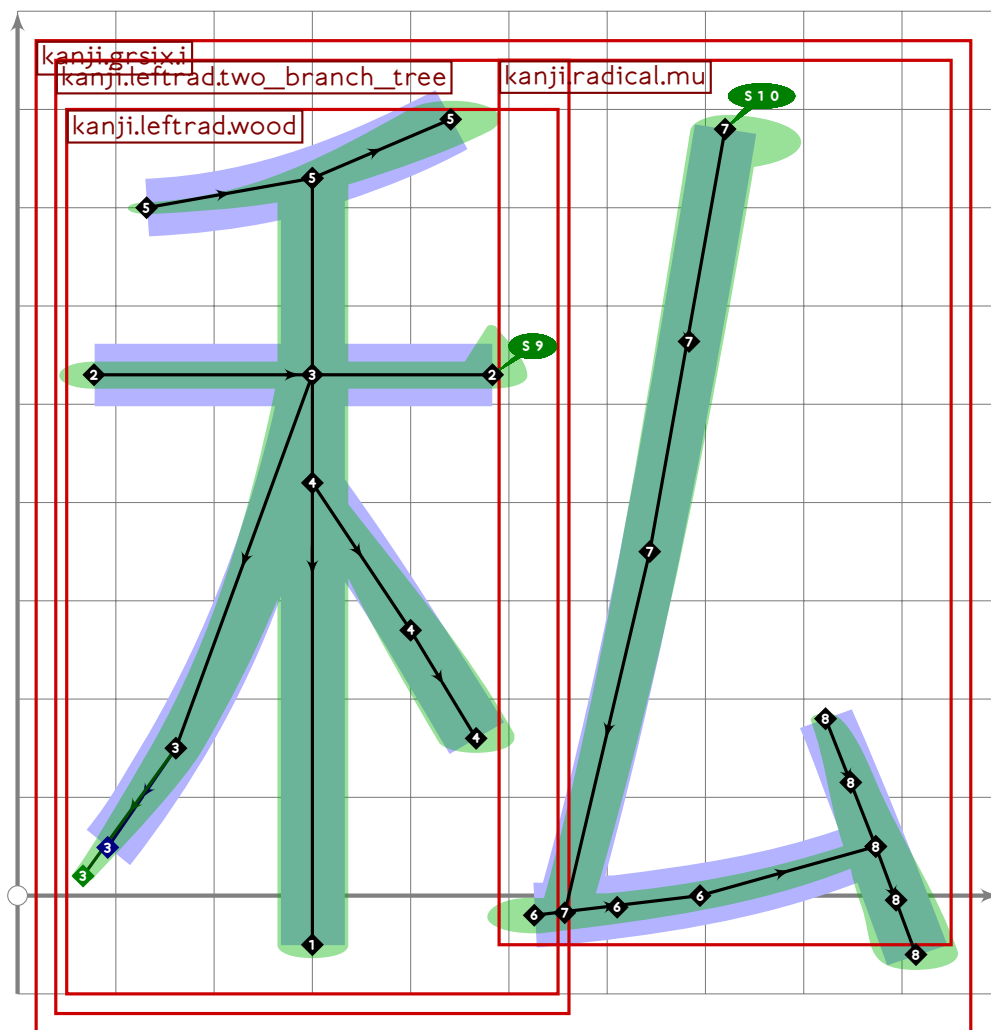
```



```

122
123 vardef kanji.grfive.pioneer =
124   push_pbox_toexpand("kanji.grfive.pioneer");
125   build_kanji.lr(450,20)
126     (kanji.leftrad.showing)
127     (kanji.greight.furthermore);
128   expand_pbox;
129 enddef;
130
131

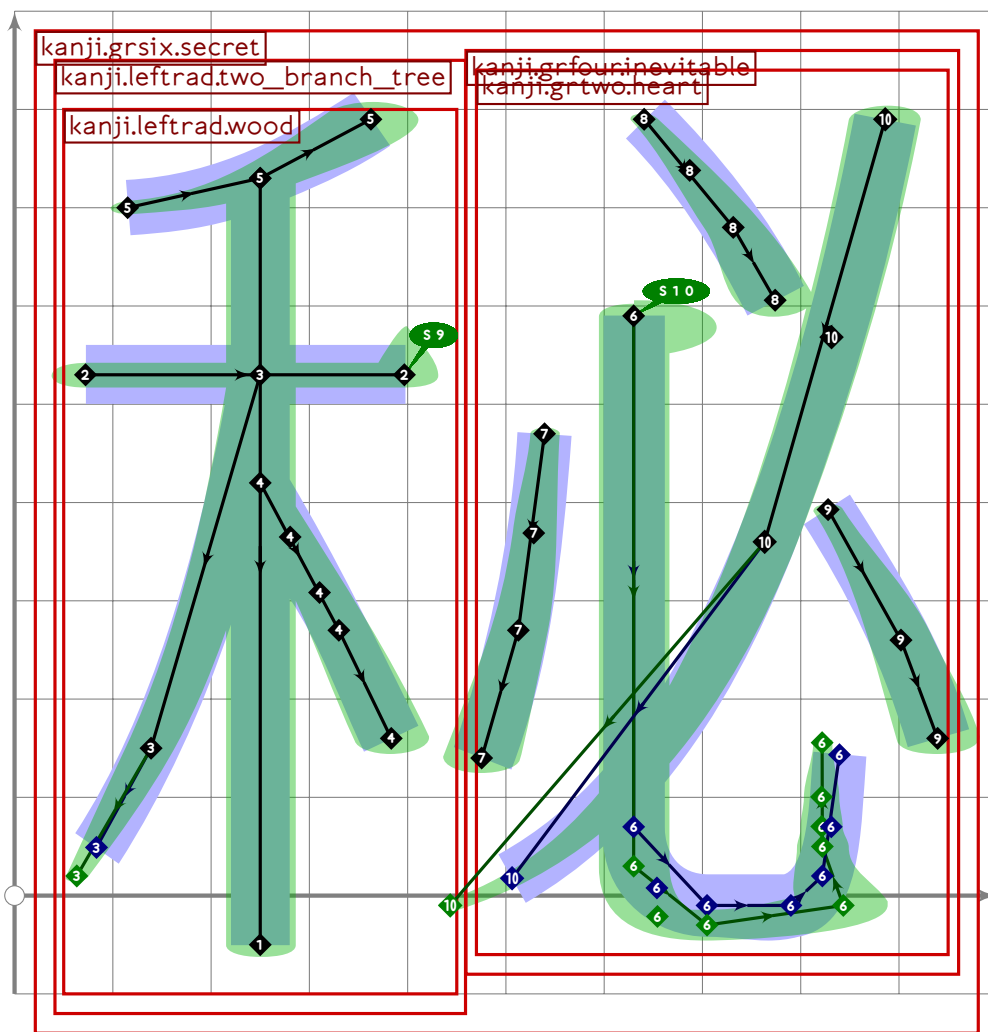
```

```

132
133 vardef kanji.grsix.i =
134   push_pbox_toexpand("kanji.grsix.i");
135   build_kanji.lr(520,60)
136     (kanji.leftrad.two_branch_tree)
137     (kanji.radical.mu);
138   expand_pbox;
139 enddef;

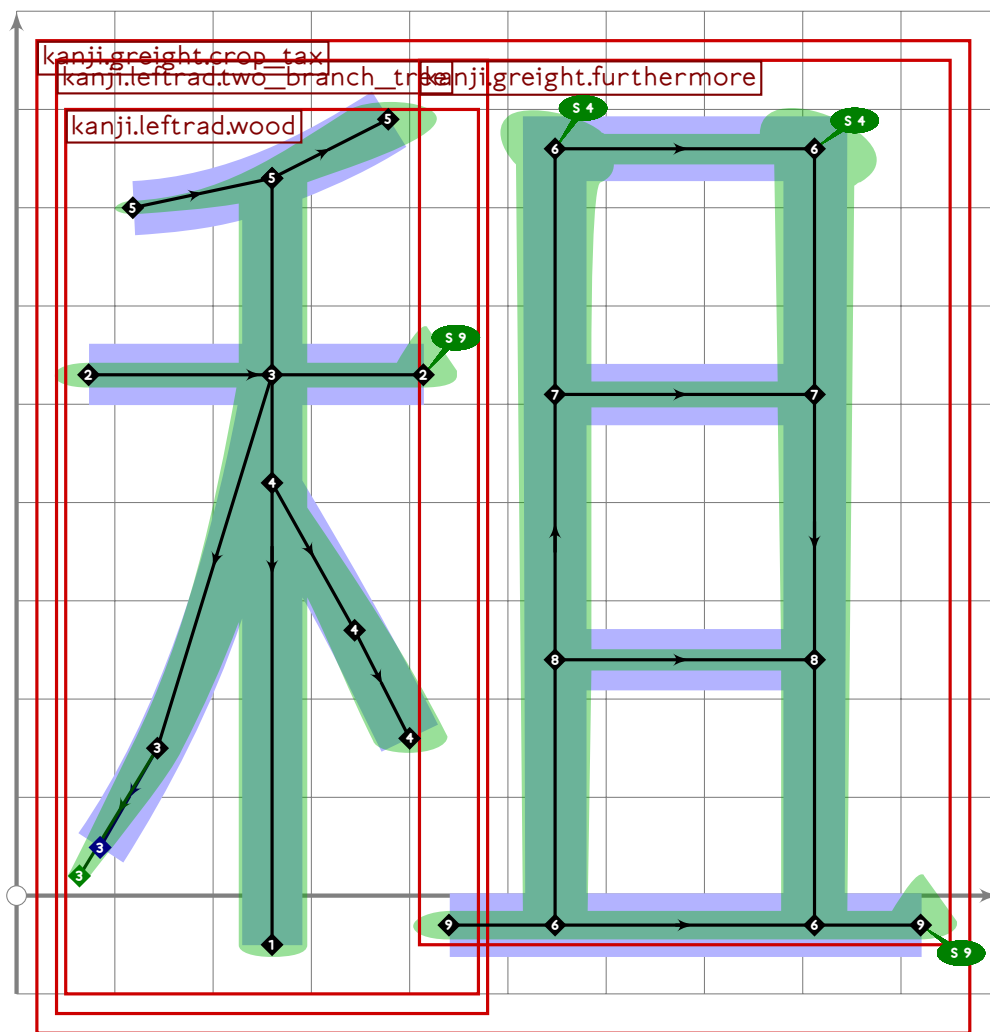
```



```

140
141 vardef kanji.grsix.secret =
142   push_pbox_toexpand("kanji.grsix.secret");
143   build_kanji.lr(460;20)
144     (kanji.leftrad.two_branch_tree)
145     (build_kanji.sscale(shifted (0;-10))(kanji.grfour.inevitable));
146   expand_pbox;
147 enddef;
148
149

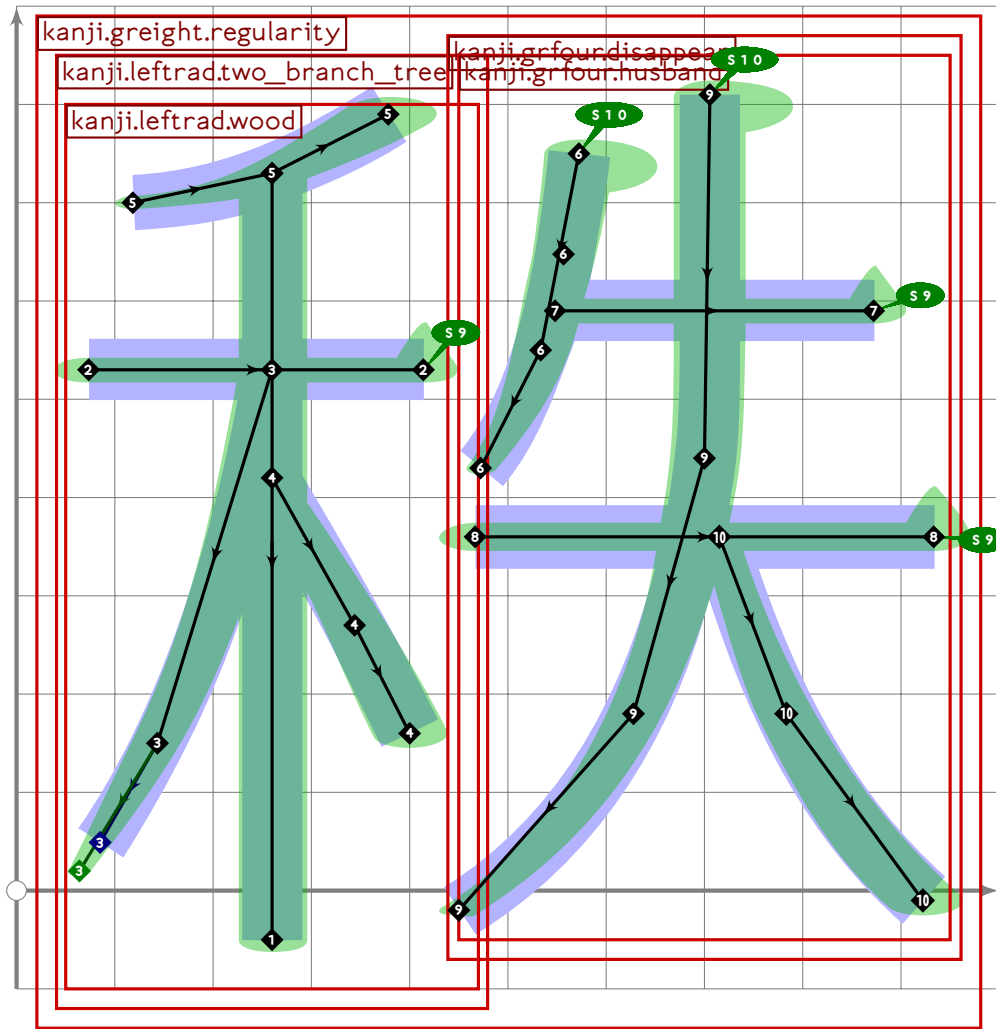
```



```

150
151 vardef kanji.greight.crop_tax =
152   push_pbox_toexpand("kanji.greight.crop_tax");
153   build_kanji.lr(440,60)
154     (kanji.leftrad.two_branch_tree)
155     (kanji.greight.furthermore);
156   expand_pbox;
157 enddef;

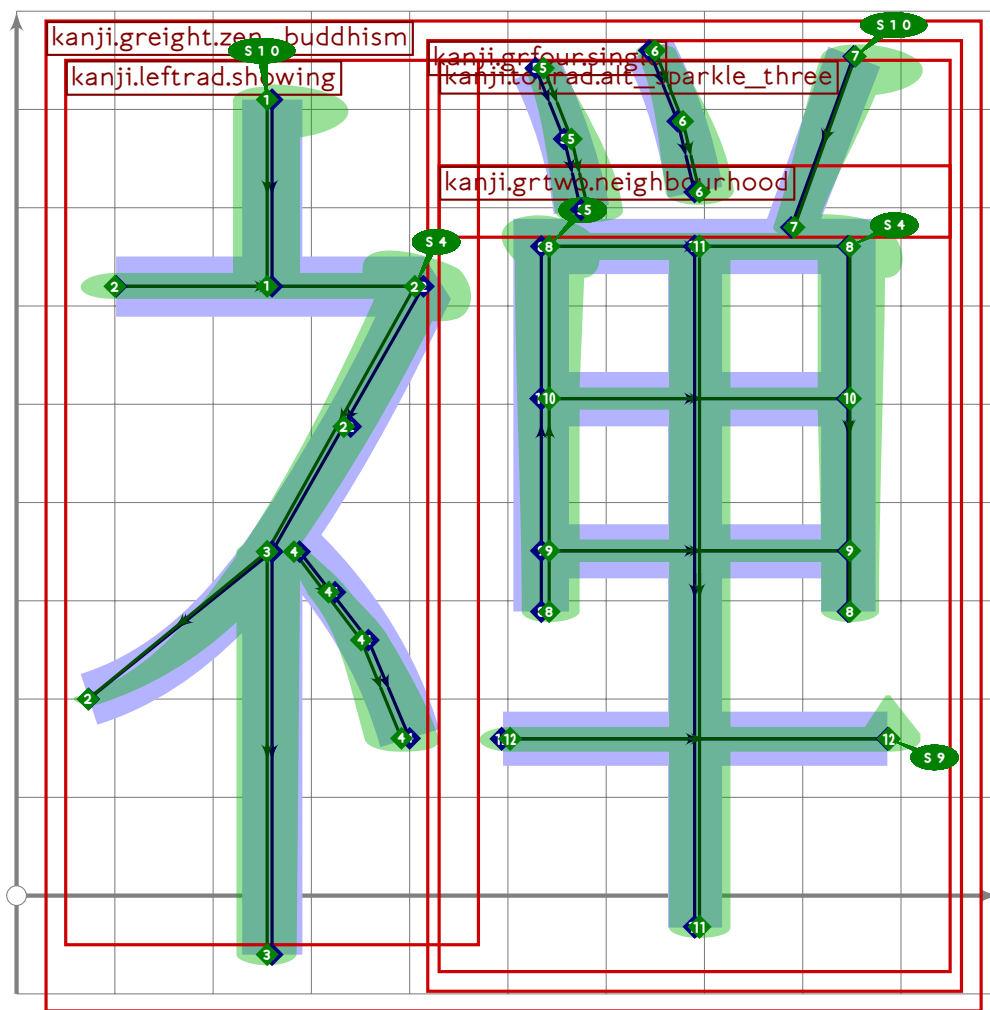
```



```

158
159 vardef kanji.greight.regularity =
160   push_pbox_toexpand("kanji.greight.regularity");
161   build_kanji.lr(460,20)
162     (kanji.leftrad.two_branch_tree)
163     (kanji.grfour.disappear);
164   expand_pbox;
165 enddef;

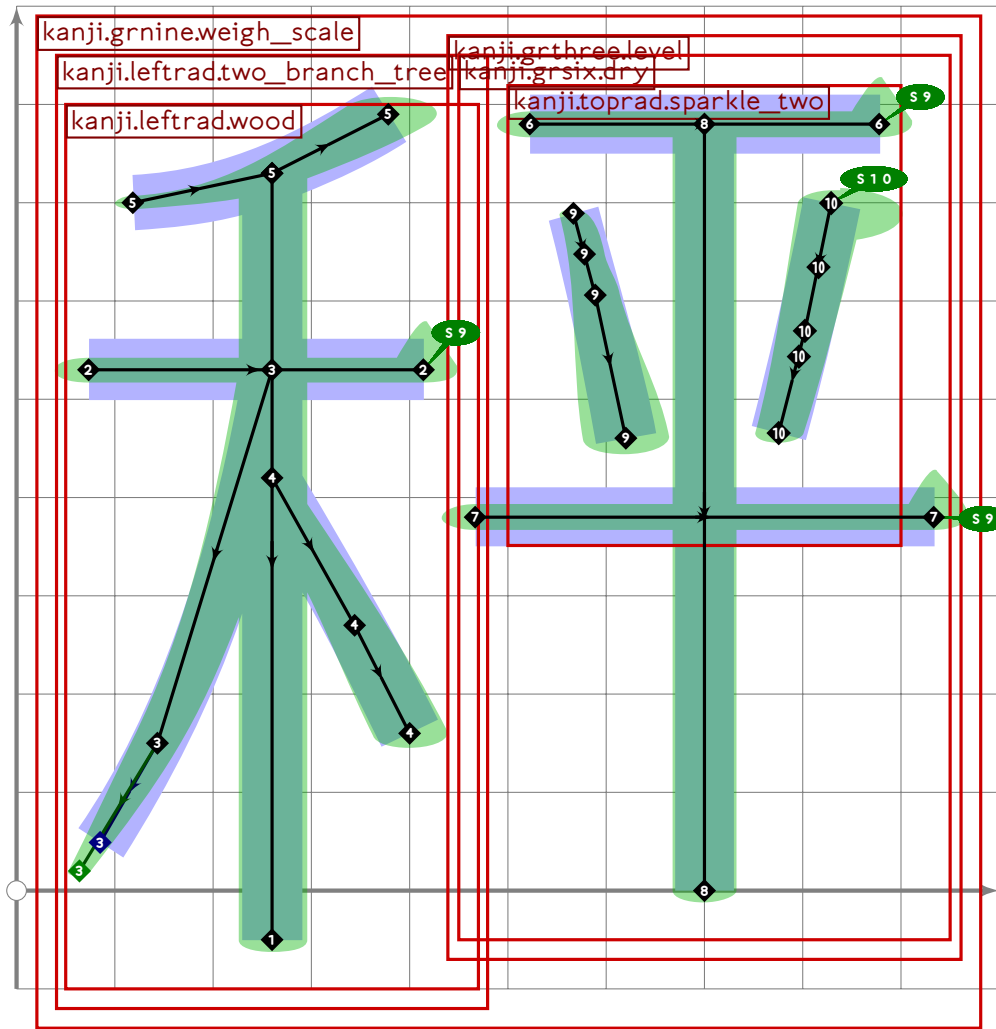
```



79

```

166
167 vardef kanji.greight.zen_buddhism =
168   push_pbox_toexpand("kanji.greight.zen_buddhism");
169   build_kanji.lr(450,40-20*mincho)
170     (kanji.leftrad.showing)
171     (kanji.grfour.single);
172   expand_pbox;
173 enddef;
174
175
```



```

176
177 vardef kanji.grnine.weigh_scale =
178   push_pbox_toexpand("kanji.grnine.weigh_scale");
179   build_kanji.lr(460,20)
180     (kanji.leftrad.two_branch_tree)
181     (kanji.grthree.level);
182   expand_pbox;
183 enddef;
184
185
186
187 % ji/shime "show" (also older radical form)
188 begintsuglyph("uni793A";58);
189   kanji.grfive.showing;
190   tsu_render;
191 endtsuglyph;
192
193 % "showing" radical (simple, more popular form)
194 begintsuglyph("uni793B";59);
195   kanji.leftrad.showing;

```

[see page 777]

[see page 819]

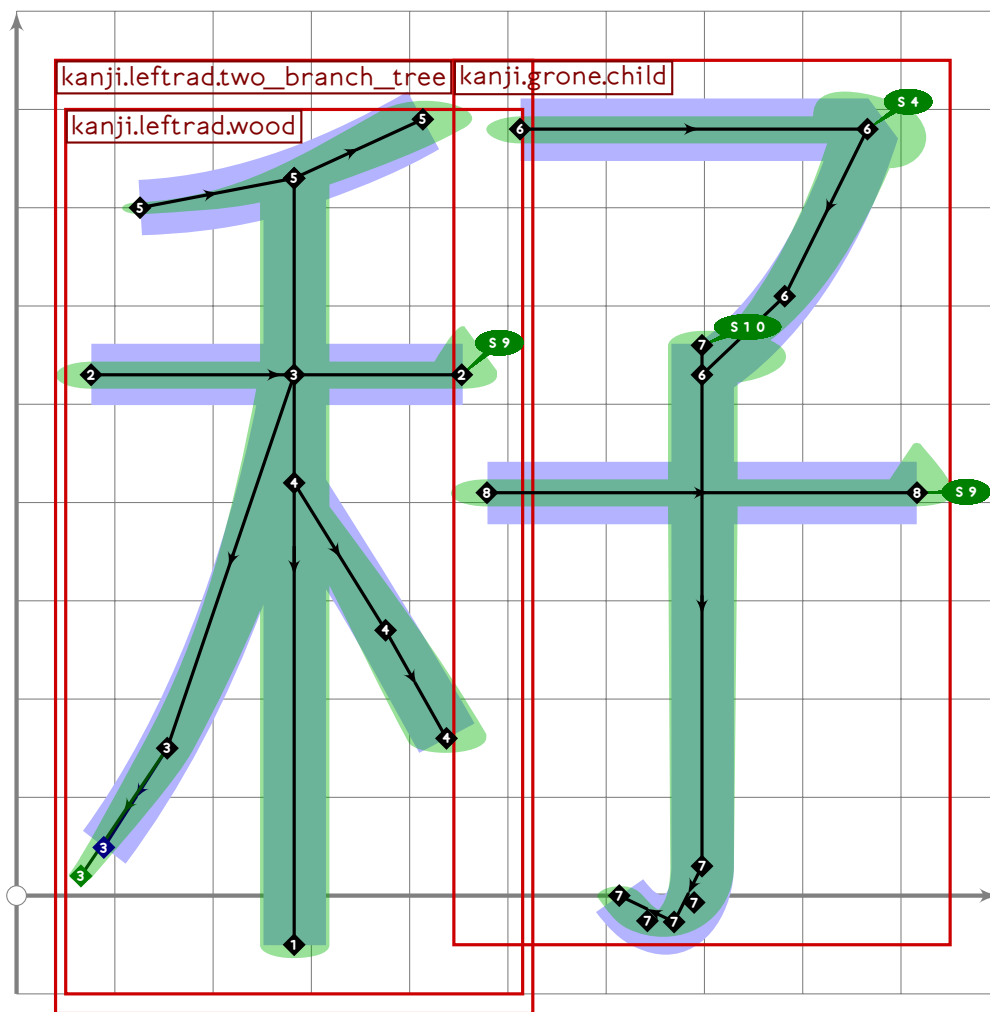
196 tsu_render;
 197 endtsuglyph;
 198
 199 % rei "ceremony"
 200 begintsuglyph("uni793C",60); [see page 3178]
 201 kanji.grthree.ceremony;
 202 tsu_render;
 203 endtsuglyph;
 204
 205 % sha/yashiro "company"
 206 begintsuglyph("uni793E",62); [see page 3176]
 207 kanji.grtwo.company;
 208 tsu_render;
 209 endtsuglyph;
 210
 211 % so "pioneer"
 212 begintsuglyph("uni7956",86); [see page 3183]
 213 kanji.grfive.pioneer;
 214 tsu_render;
 215 endtsuglyph;
 216
 217 % shin/kami "deity"
 218 begintsuglyph("uni795E",94); [see page 615]
 219 kanji.grthree.deity;
 220 tsu_render;
 221 endtsuglyph;
 222
 223 % shuku/iwa "celebrate"
 224 begintsuglyph("uni795D",93); [see page 3181]
 225 kanji.grfour.celebrate;
 226 tsu_render;
 227 endtsuglyph;
 228
 229 % hyou "ticket"
 230 begintsuglyph("uni7968",104); [see page 738]
 231 kanji.grfour.ticket;
 232 tsu_render;
 233 endtsuglyph;
 234
 235 % sei/matsuri "festival"
 236 begintsuglyph("uni796D",109); [see page 622]
 237 kanji.grthree.festival;
 238 tsu_render;
 239 endtsuglyph;
 240
 241 % kin "forbidden"
 242 begintsuglyph("uni7981",129); [see page 3182]
 243 kanji.grfive.forbidden;

```

244   tsu_render;
245 endtsuglyph;
246
247 % zen/shizuka "Zen Buddhism"
248 begintsuglyph("uni7985";133); [see page 3188]
249   kanji.greight.zen_buddhism;
250   tsu_render;
251 endtsuglyph;
252
253 % fuku/toshi "good luck"
254 begintsuglyph("uni798F";143); [see page 3179]
255   kanji.grthree.good_luck;
256   tsu_render;
257 endtsuglyph;
258
259 % refers to a specific legendary Chinese emperor, founder of the Xia Dynasty
260 begintsuglyph("uni79B9";185); [see page 1057]
261   kanji.rare.yu_the_great;
262   tsu_render;
263 endtsuglyph;
264
265 % ka/ine little meaning by itself, called "two-branch tree" as a radical
266 begintsuglyph("uni79BE";190); [see page 982]
267   kanji.grnine.two_branch_tree;
268   tsu_render;
269 endtsuglyph;
270
271 % shi/watashi "first person pronoun"
272 begintsuglyph("uni79C1";193); [see page 3184]
273   kanji.grsix.i;
274   tsu_render;
275 endtsuglyph;
276

```


U+79C4
tsuku.uni79C4

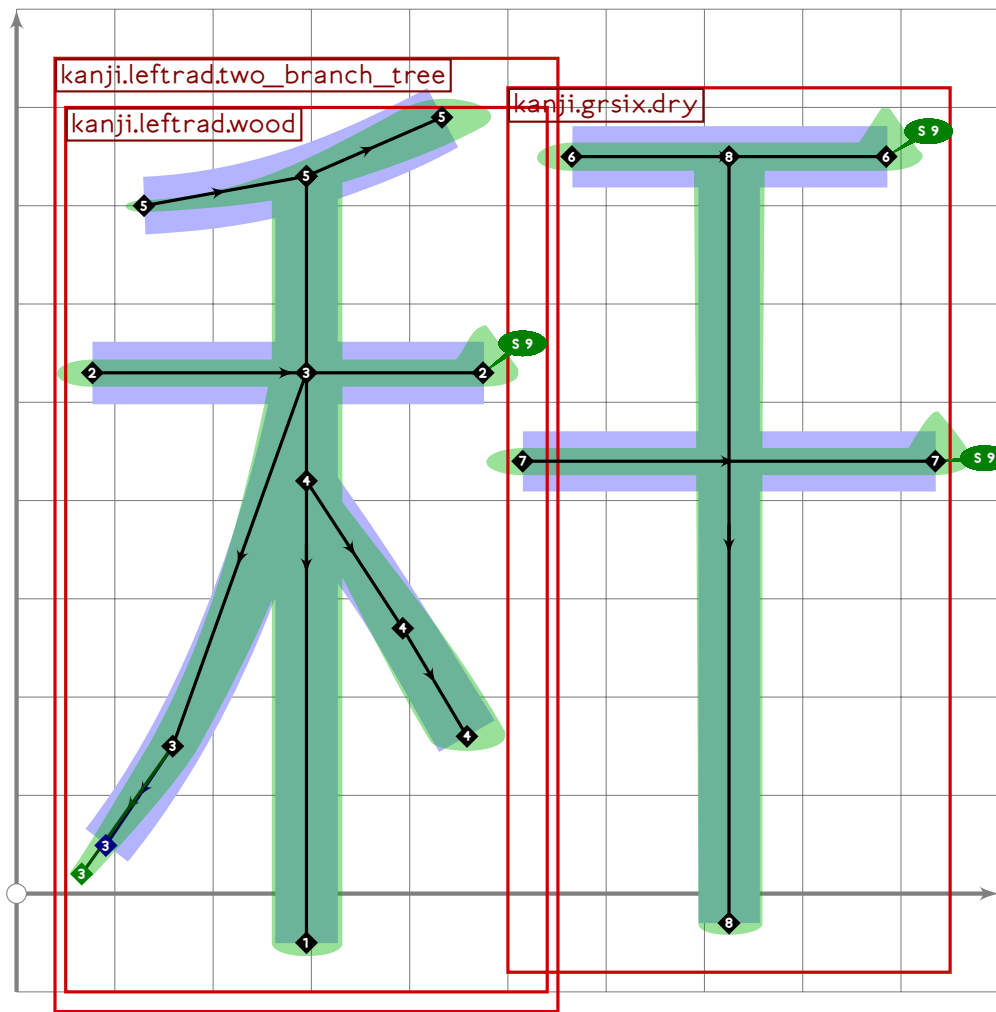


79

```

277 % extra
278 begintsuglyph("uni79C4",196);
279   build_kanji.lr(480,70)
280     (kanji.leftrad.two_branch_tree)
281     (kanji.grone.child);
282   tsu_render;
283 endtsuglyph;
284

```

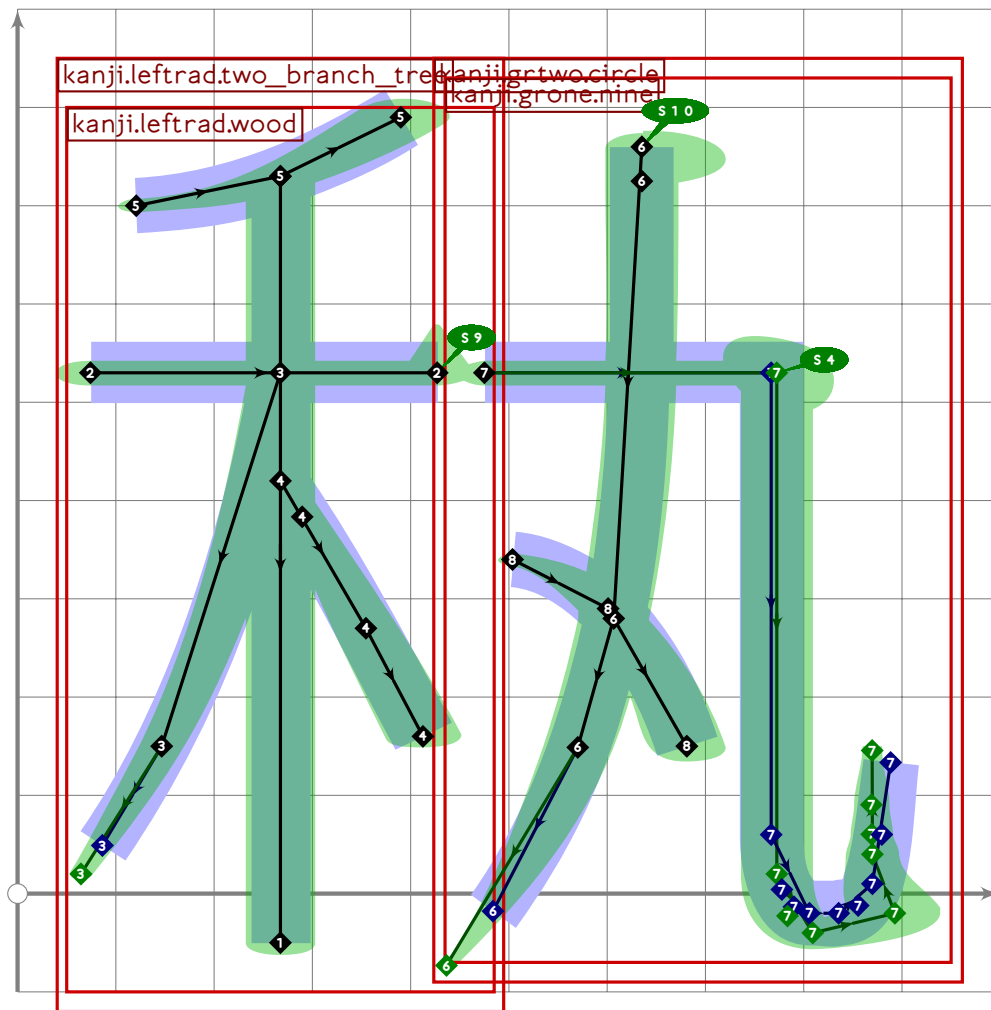


```

285 % extra
286 begintsuglyph("uni79C6",198);
287   build_kanji.lr(520,40)
288     (kanji.leftrad.two_branch_tree)
289     (build_kanji.sscale(shifted (0,30))(kanji.grsix.dry));
290   tsu_render;
291 endtsuglyph;
292

```

U+79C7
tsuku.uni79C7

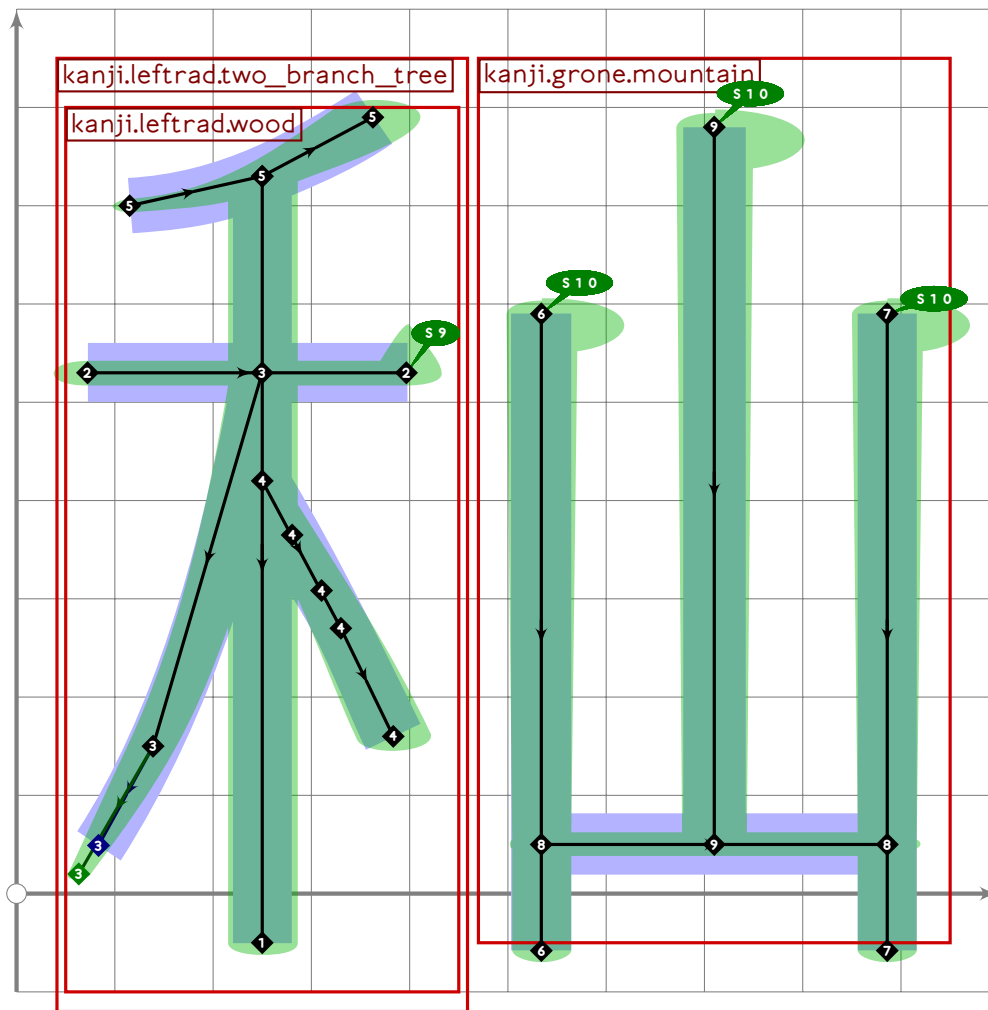


79

```

293 % extra
294 begintsuglyph("uni79C7";199);
295   build_kanji.lr(460,50)
296     (kanji.leftrad.two_branch_tree)
297     (build_kanji.sscale(shifted (0,-20))(kanji.grtwo.circle));
298   tsu_render;
299 endtsuglyph;
300

```



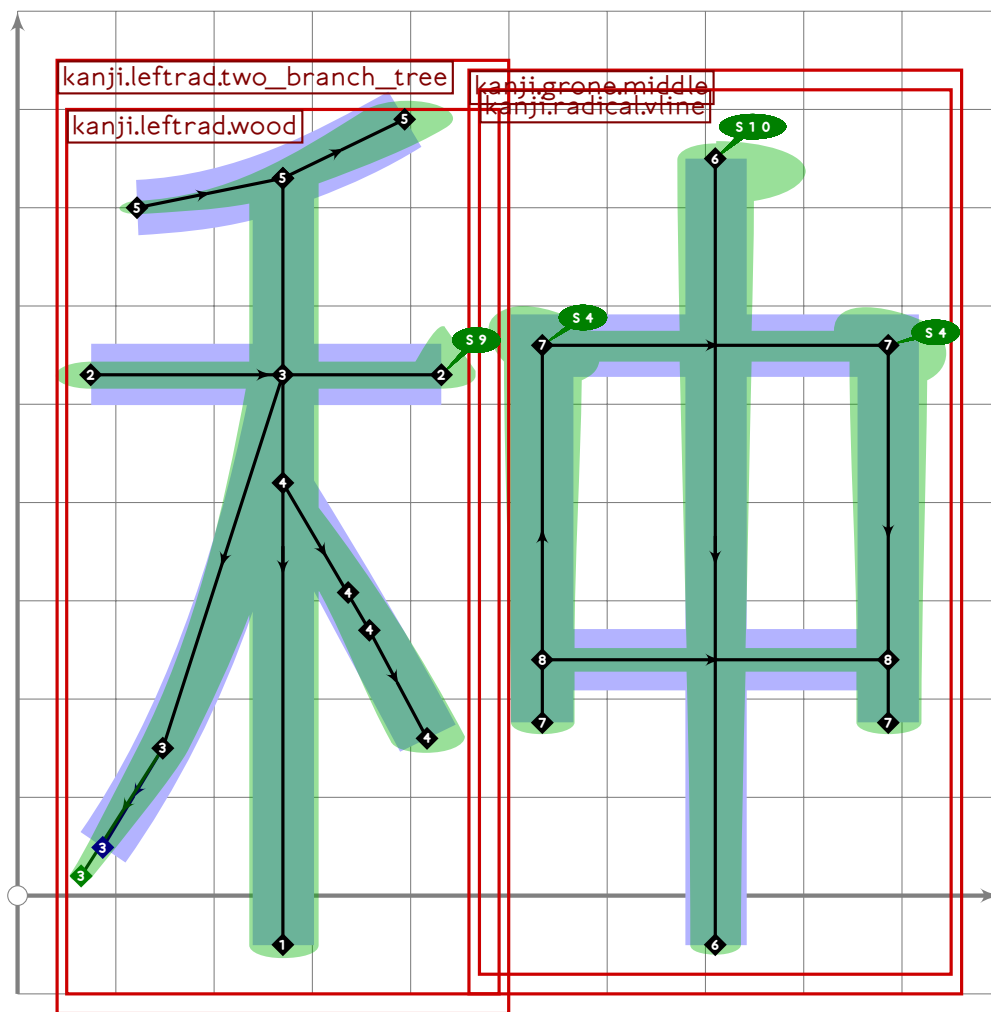
```

301 % extra
302 begintsuglyph("uni79C8";200);
303   build_kanji.lr(460;20)
304     (kanji.leftrad.two_branch_tree)
305     (kanji.grone.mountain);
306   tsu_render;
307 endtsuglyph;
308
309 % shuu/aki "autumn"
310 begintsuglyph("uni79CB";203);
311   kanji.grtwo.autumn;
312   tsu_render;
313 endtsuglyph;
314

```

[see page 492]

U+79CD
tsuku.uni79CD

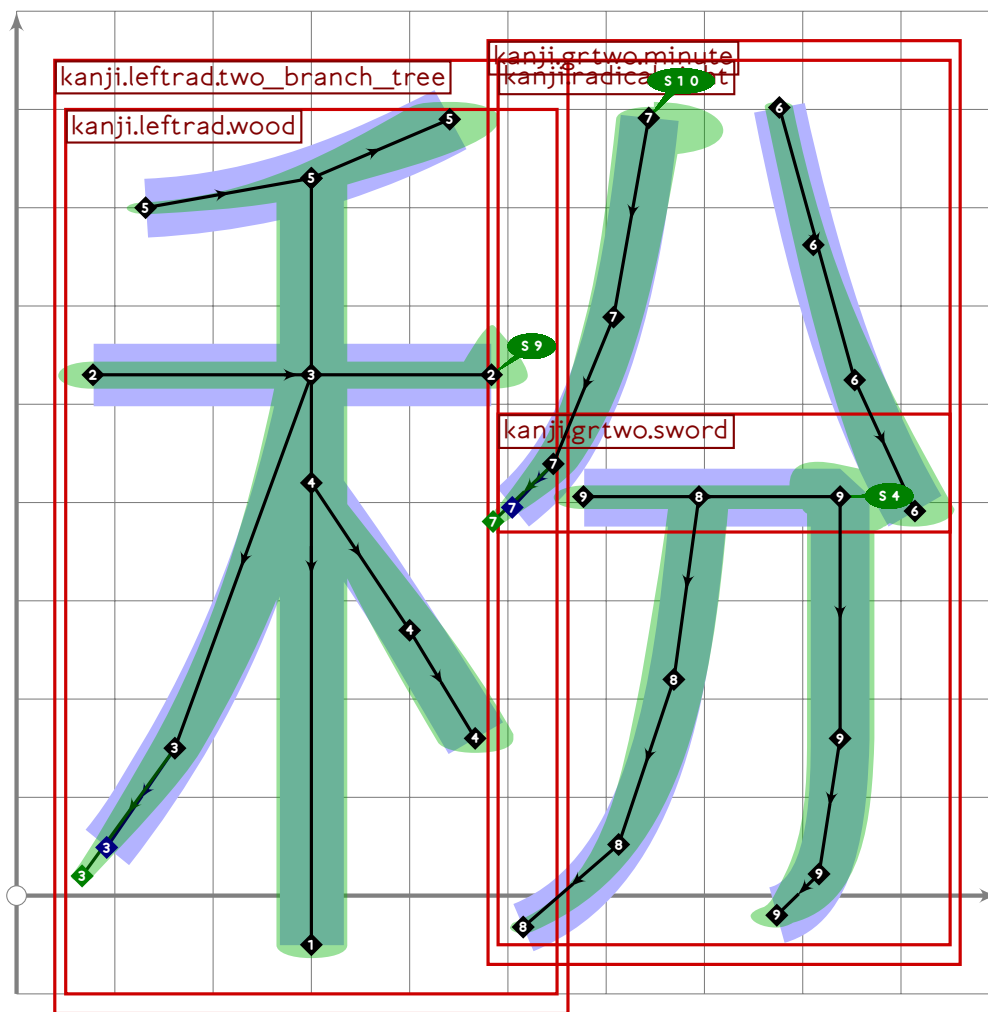


79

```

315 % extra
316 begintsuglyph("uni79CD";205);
317   build_kanji.lr(480,20)
318     (kanji.leftrad.two_branch_tree)
319     (build_kanji.sscale(shifted (0,30))(kanji.grone.middle));
320   tsu_render;
321 endtsuglyph;
322

```

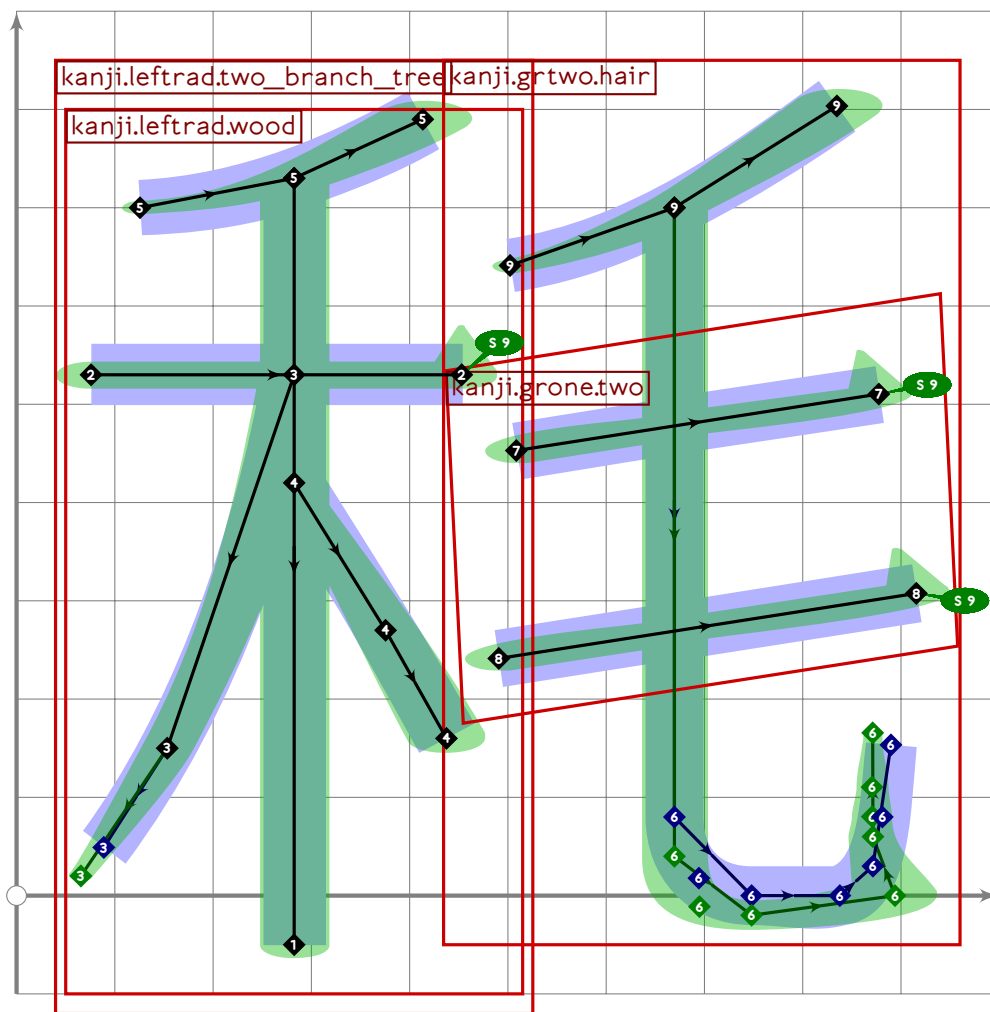


```

323 % extra
324 begintsuglyph("uni79CE";206);
325   build_kanji.lr(520,60)
326     (kanji.leftrad.two_branch_tree)
327     (kanji.grtwo.minute);
328   tsu_render;
329 endtsuglyph;
330

```

U+79CF
tsuku.uni79CF

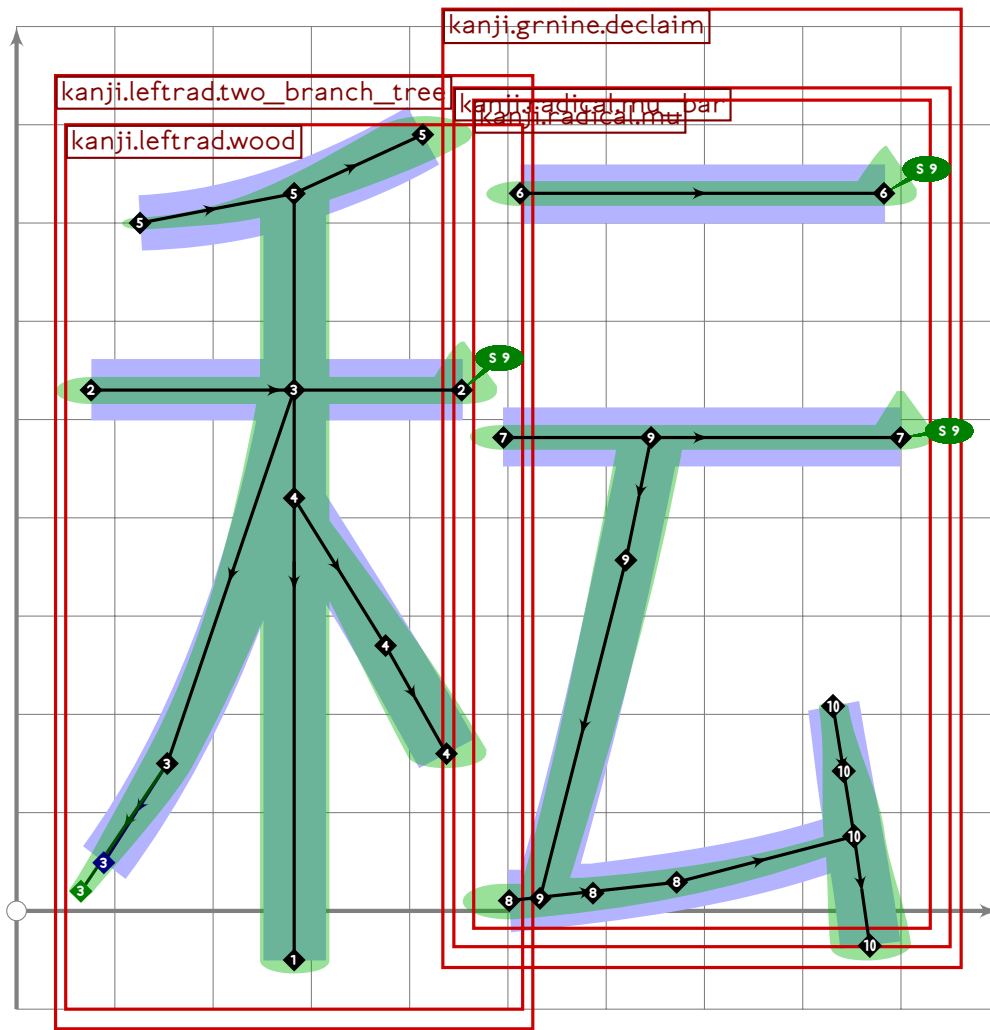


79

```

331 % extra
332 begintsuglyph("uni79CF";207);
333   build_kanji.lr(480,70)
334     (kanji.leftrad.two_branch_tree)
335     (kanji.grtwo.hair);
336   tsu_render;
337 endtsuglyph;
338

```



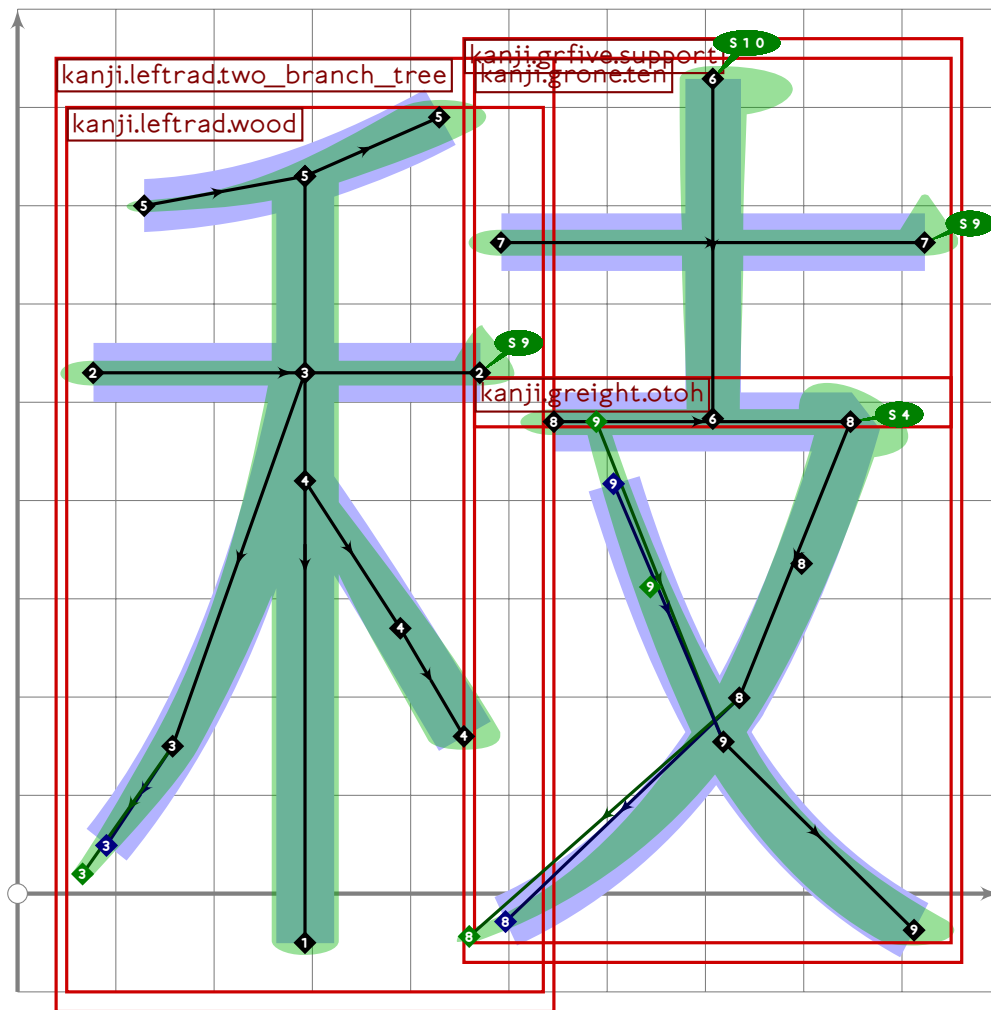
```

339 % extra
340 begintsuglyph("uni79D0";208);
341   build_kanji.lr(480,70)
342     (kanji.leftrad.two_branch_tree)
343     (build_kanji.sscale(yscaled 1.06 shifted (0,40))(kanji.grnine.declaim));
344   tsu_render;
345 endtsuglyph;
346
347 % ka "department"
348 begintsuglyph("uni79D1";209);
349   kanji.grtwo.department;
350   tsu_render;
351 endtsuglyph;
352
353 % byou "second of time"
354 begintsuglyph("uni79D2";210);
355   kanji.grthree.second_of_time;
356   tsu_render;
357 endtsuglyph;
358
```

[see page 3177]

[see page 3180]

U+79D3
tsuku.uni79D3

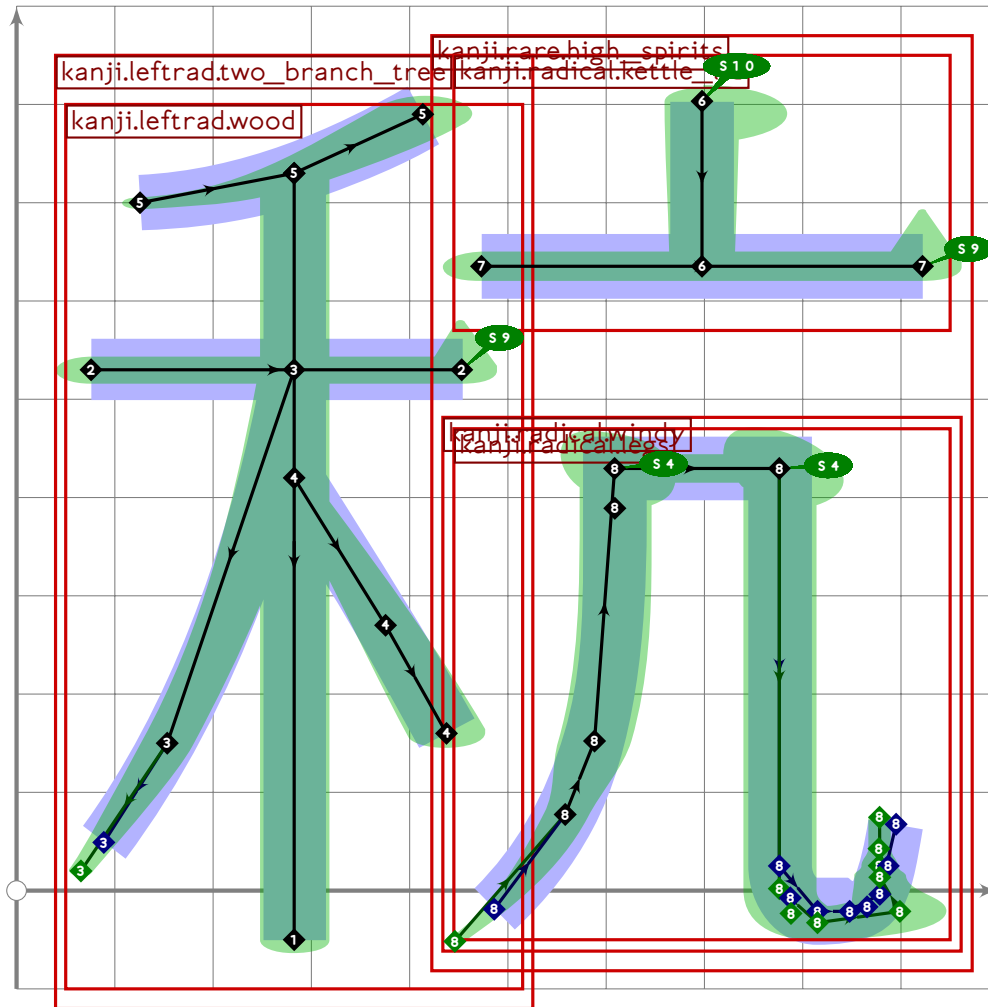


79

```

359 % extra
360 begintsuglyph("uni79D3";211);
361   build_kanji.level(build_kanji.lr(500,70)
362     (kanji.leftrad.two_branch_tree)
363     (kanji.grfive.support));
364   tsu_render;
365 endtsuglyph;
366

```

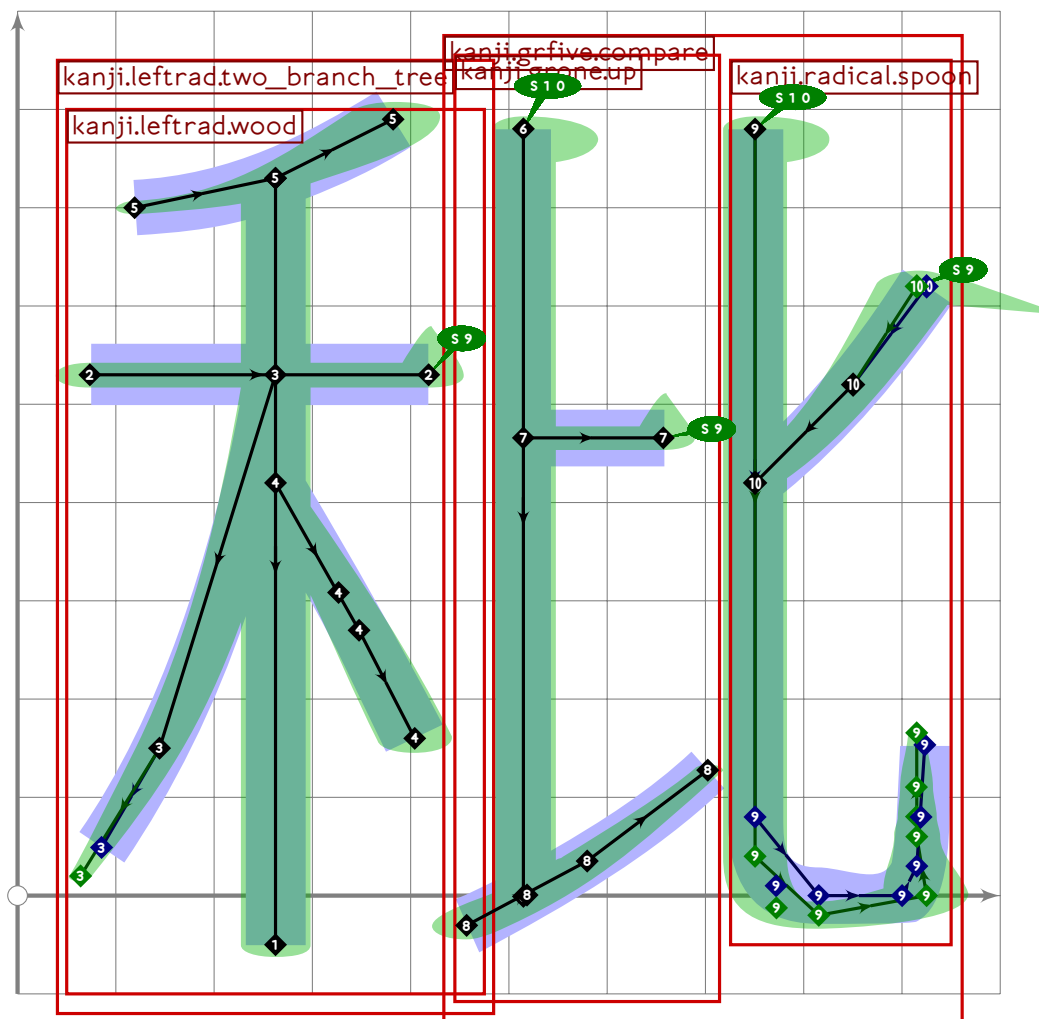


```

367 % extra
368 begintsuglyph("uni79D4";212);
369   build_kanji.lr(480,70)
370     (kanji.leftrad.two_branch_tree)
371     (kanji.rare.high_spirits);
372   tsu_render;
373 endtsuglyph;
374

```

U+79D5
tsuku.uni79D5

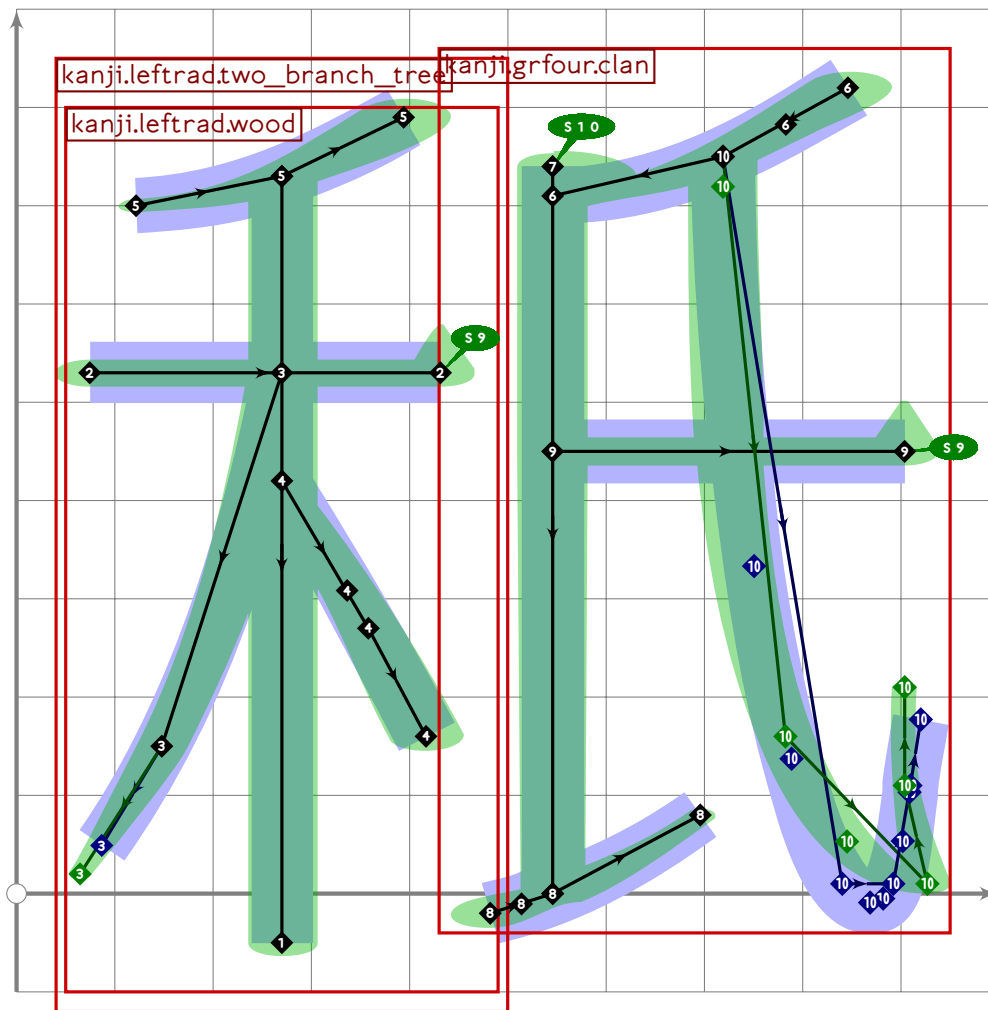


79

```

375 % extra
376 begintsuglyph("uni79D5";213);
377   build_kanji.lr(460,30)
378     (kanji.leftrad.two_branch_tree)
379     (kanji.grfive.compare);
380   tsu_render;
381 endtsuglyph;
382

```

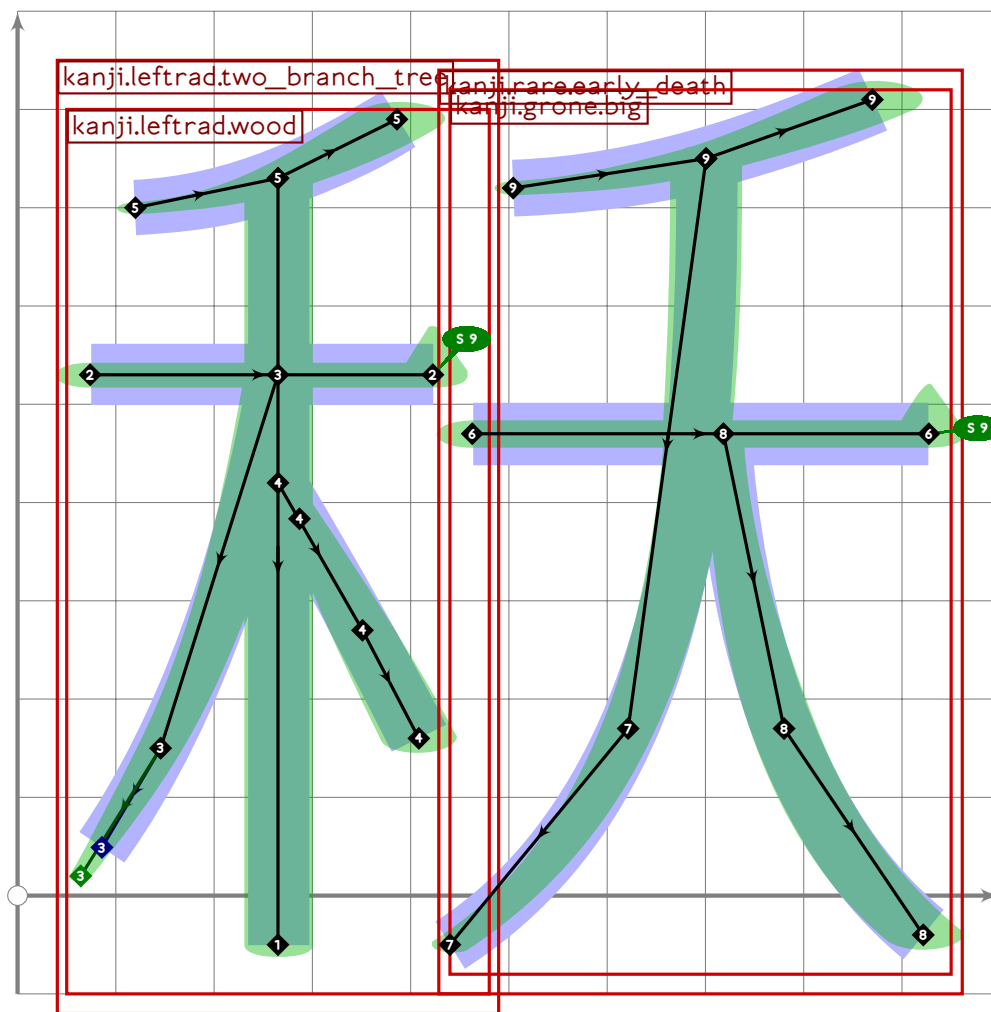


```

383 % extra
384 begintsuglyph("uni79D6";214);
385   build_kanji.lr(460,60)
386     (kanji.leftrad.two_branch_tree)
387     (build_kanji.sscale(shifted (0,10))(kanji.grfour.clan));
388   tsu_render;
389 endtsuglyph;
390

```

U+79D7
tsuku.uni79D7



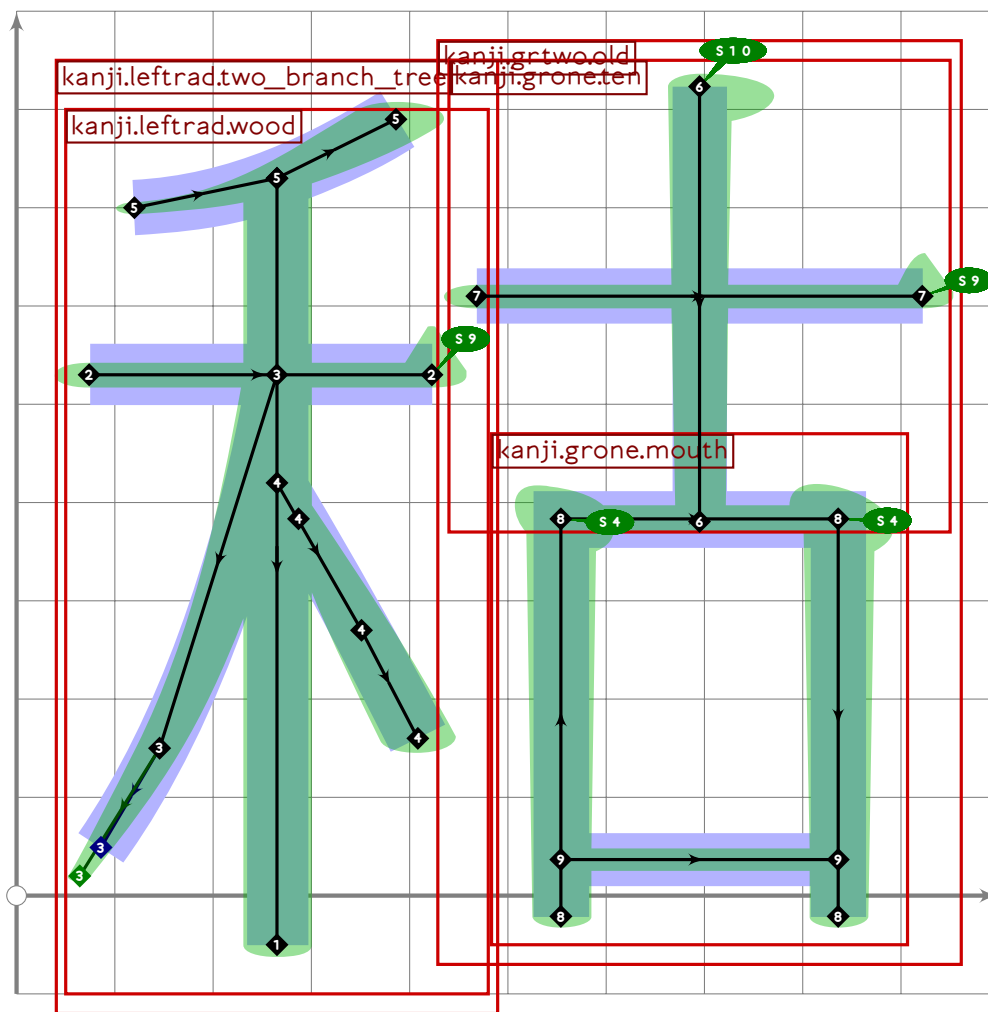
79

```

391 % extra
392 begintsuglyph("uni79D7";215);
393   build_kanji.lr(460,40)
394     (kanji.leftrad.two_branch_tree)
395     (build_kanji.sscale(shifted (0,-30))(kanji.rare.early_death));
396   tsu_render;
397 endtsuglyph;
398
399 % hi as in himitsu "secret"
400 begintsuglyph("uni79D8";216);
401   kanji.grsix.secret;
402   tsu_render;
403 endtsuglyph;
404

```

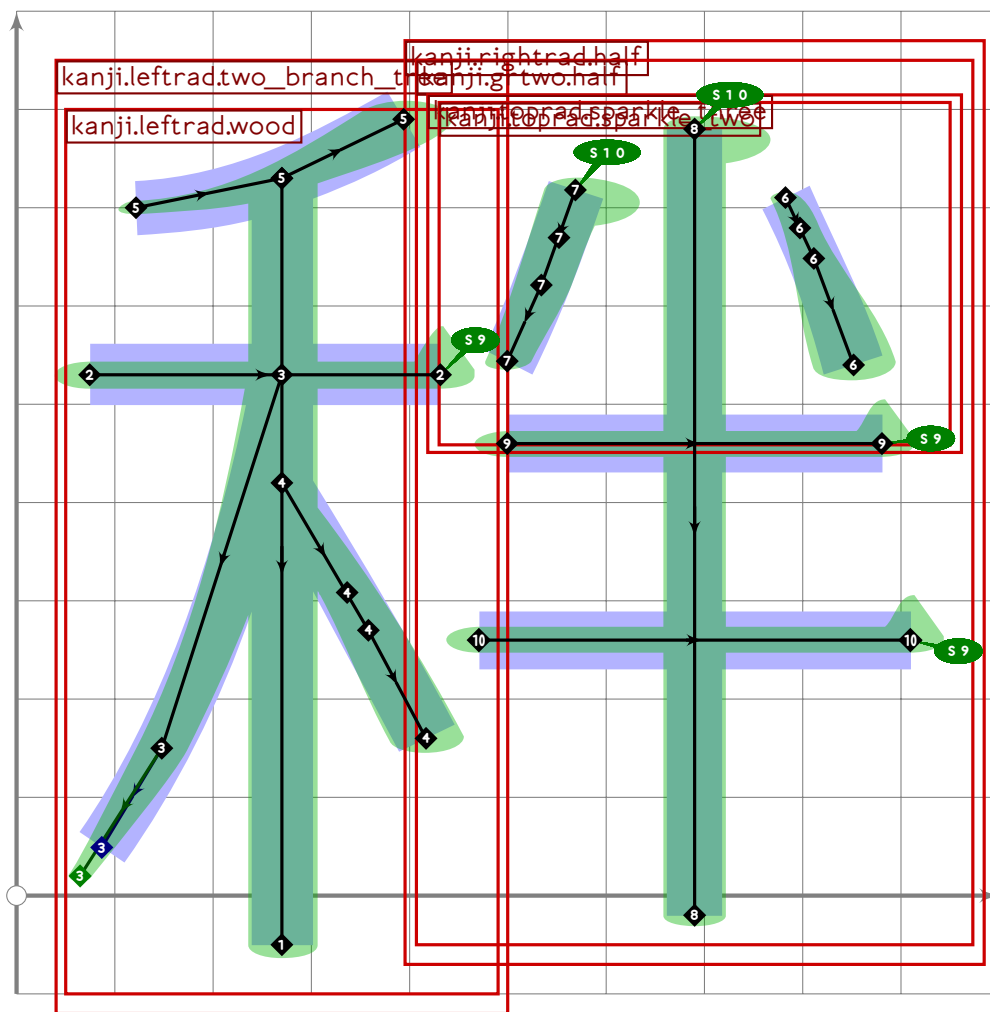
[see page 3185]



```

405 % extra
406 begintsuglyph("uni79D9";217);
407   build_kanji.lr(460,40)
408     (kanji.leftrad.two_branch_tree)
409     (kanji.grtwo.old);
410   tsu_render;
411 endtsuglyph;
412

```

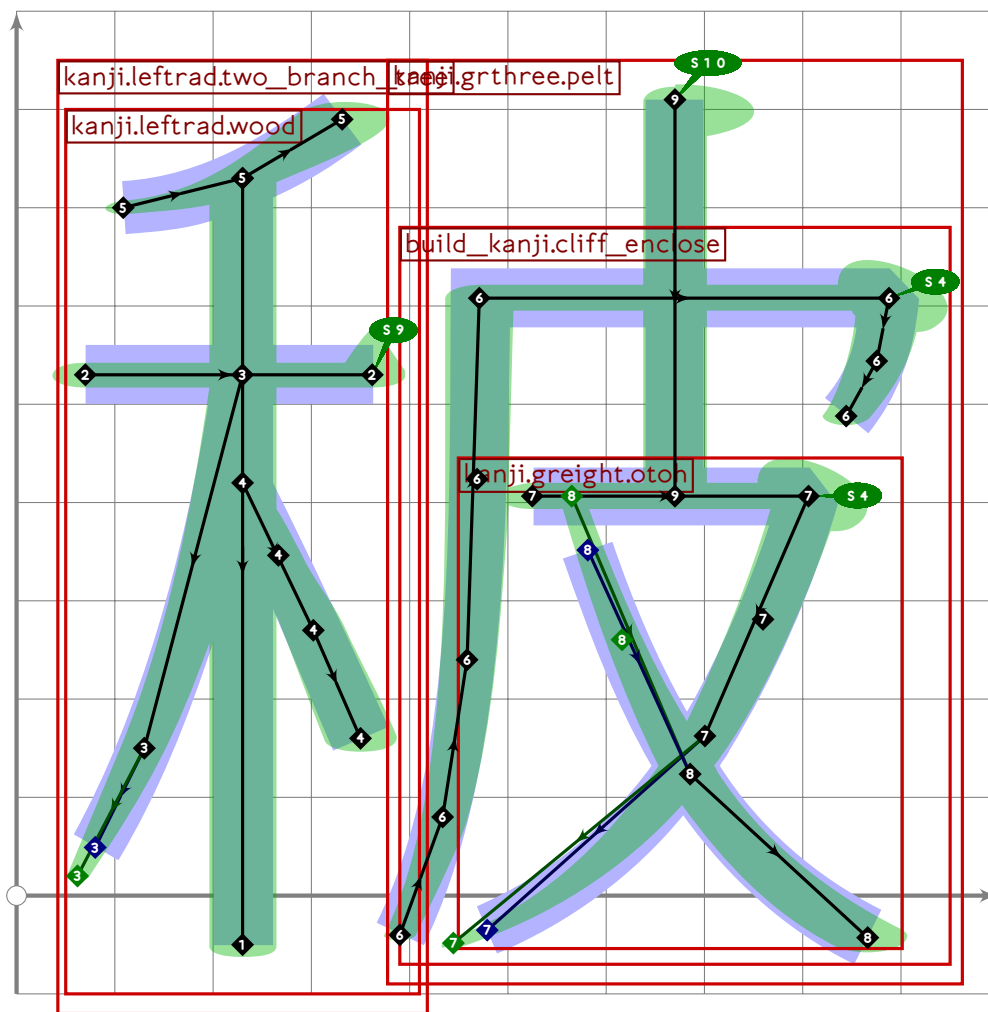


79

```

413 % extra
414 begintsuglyph("uni79DA";218);
415   build_kanji.lr(460,60)
416     (kanji.leftrad.two_branch_tree)
417     (kanji.rightrad.half);
418   tsu_render;
419 endtsuglyph;
420

```

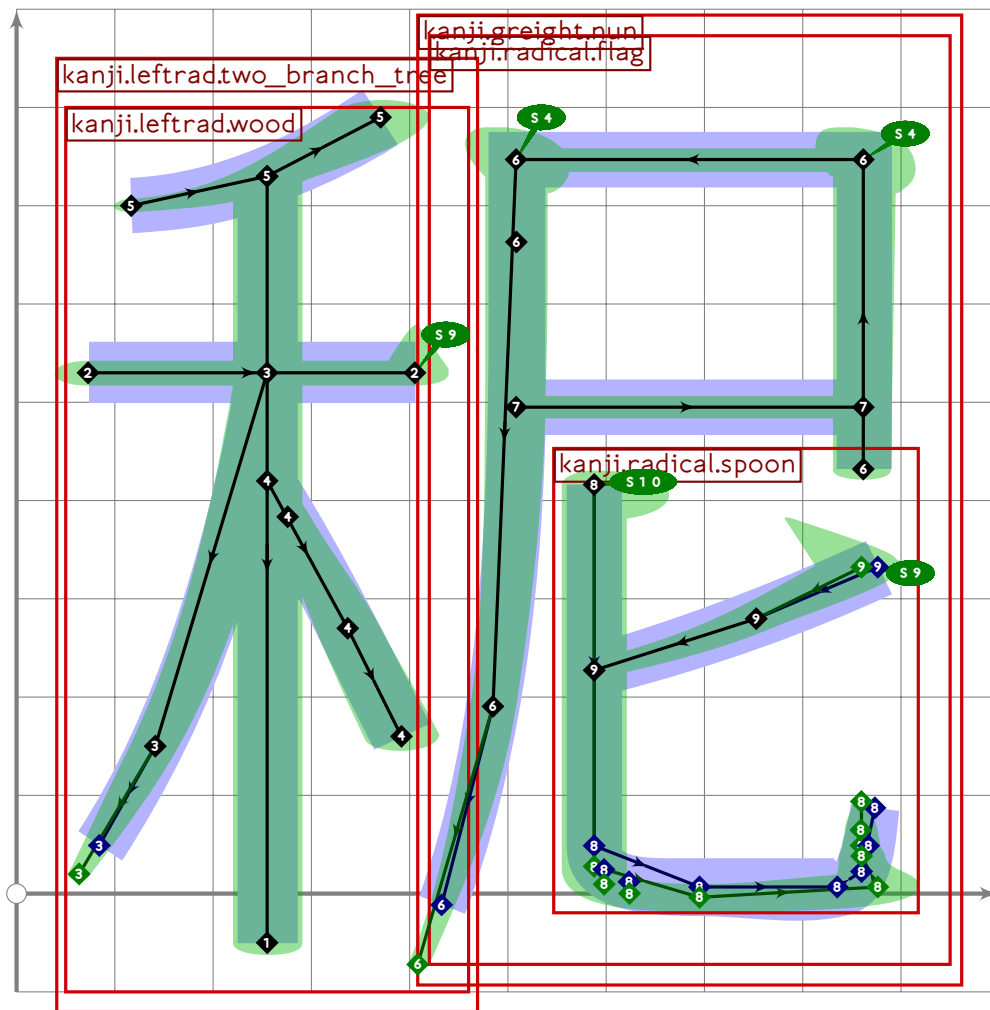


```

421 % extra
422 begintsuglyph("uni79DB",219);
423   build_kanji.lr(400,20)
424     (kanji.leftrad.two_branch_tree)
425     (kanji.grthree.pelt);
426   tsu_render;
427 endtsuglyph;
428

```


U+79DC
tsuku.uni79DC

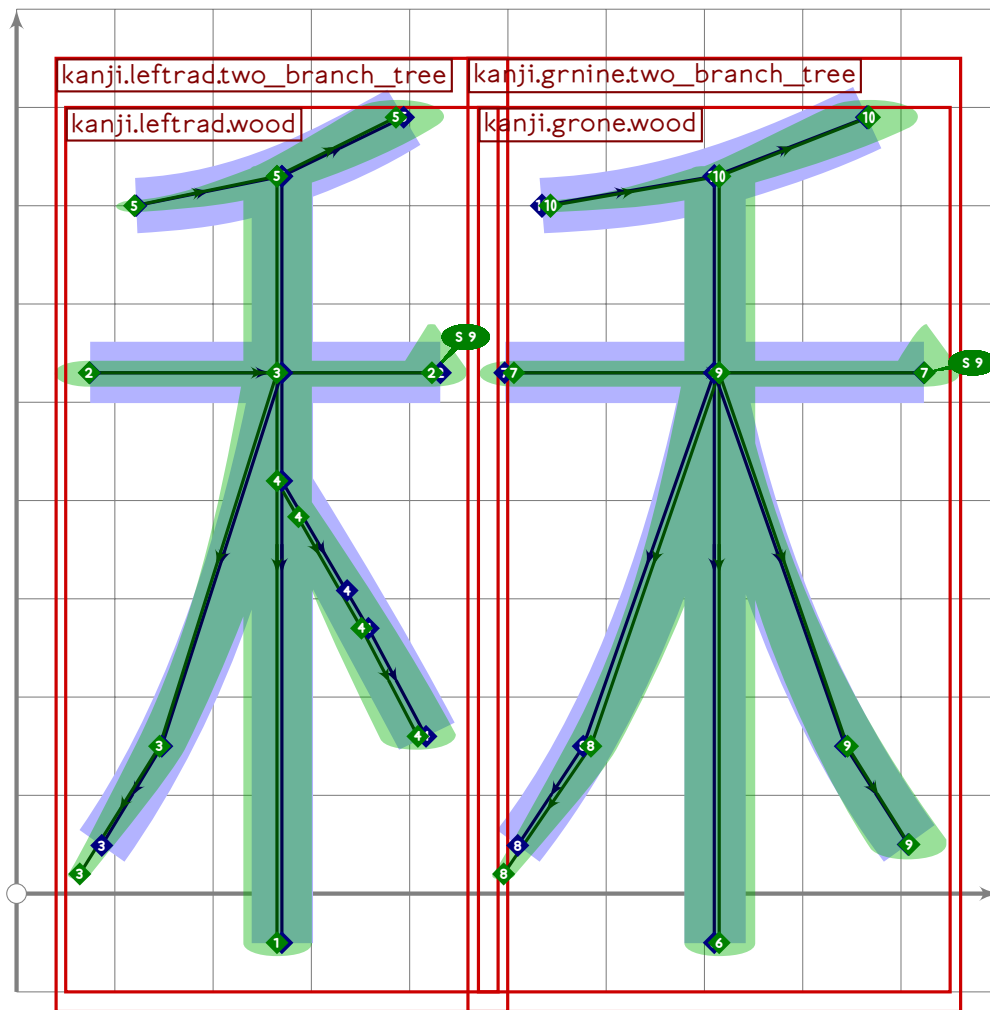


79

```

429 % extra
430 begintsuglyph("uni79DC";220);
431   build_kanji.lr(440,40)
432     (kanji.leftrad.two_branch_tree)
433     (build_kanji.sscale(yscaled 1.05)(kanji.greight.nun));
434   tsu_render;
435 endtsuglyph;
436

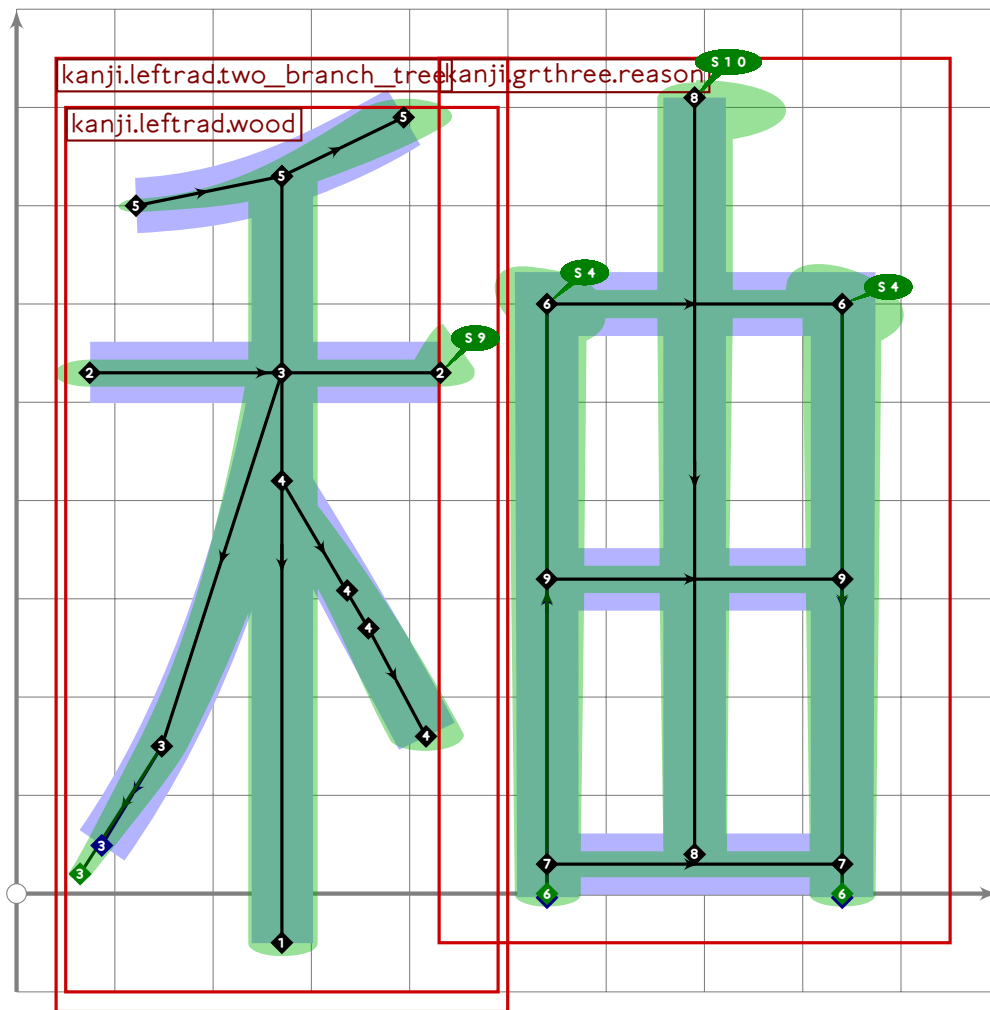
```



```

437 % extra
438 begintsuglyph("uni79DD";221);
439   build_kanji.lr(480,20-20*mincho)
440     (kanji.leftrad.two_branch_tree)
441     (kanji.grnine.two_branch_tree);
442   tsu_render;
443 endtsuglyph;
444

```



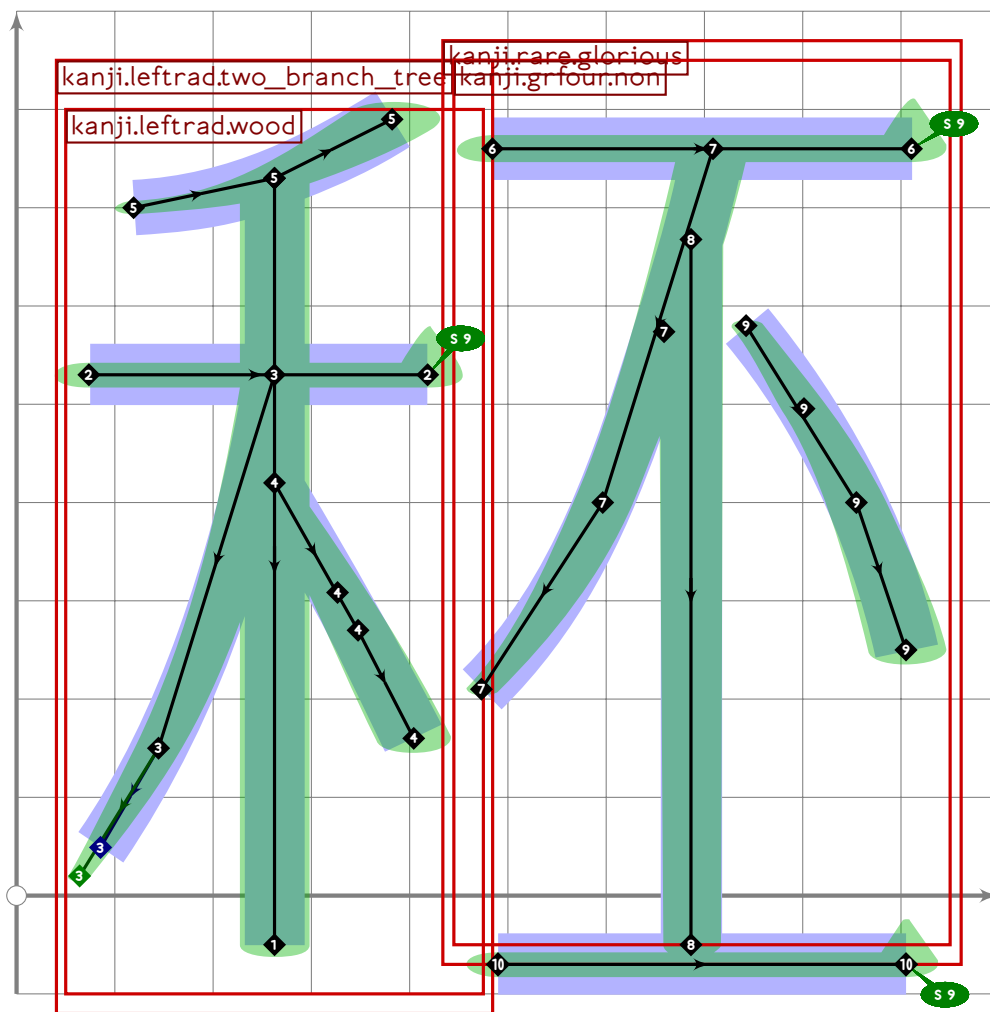
79

```

445 % extra
446 begintsuglyph("uni79DE";222);
447   build_kanji.lr(460,60)
448     (kanji.leftrad.two_branch_tree)
449     (kanji.grthree.reason);
450   tsu_render;
451 endtsuglyph;
452
453 % so "crop tax"
454 begintsuglyph("uni79DF";223);
455   kanji.greight.crop_tax;
456   tsu_render;
457 endtsuglyph;
458

```

[see page 3186]

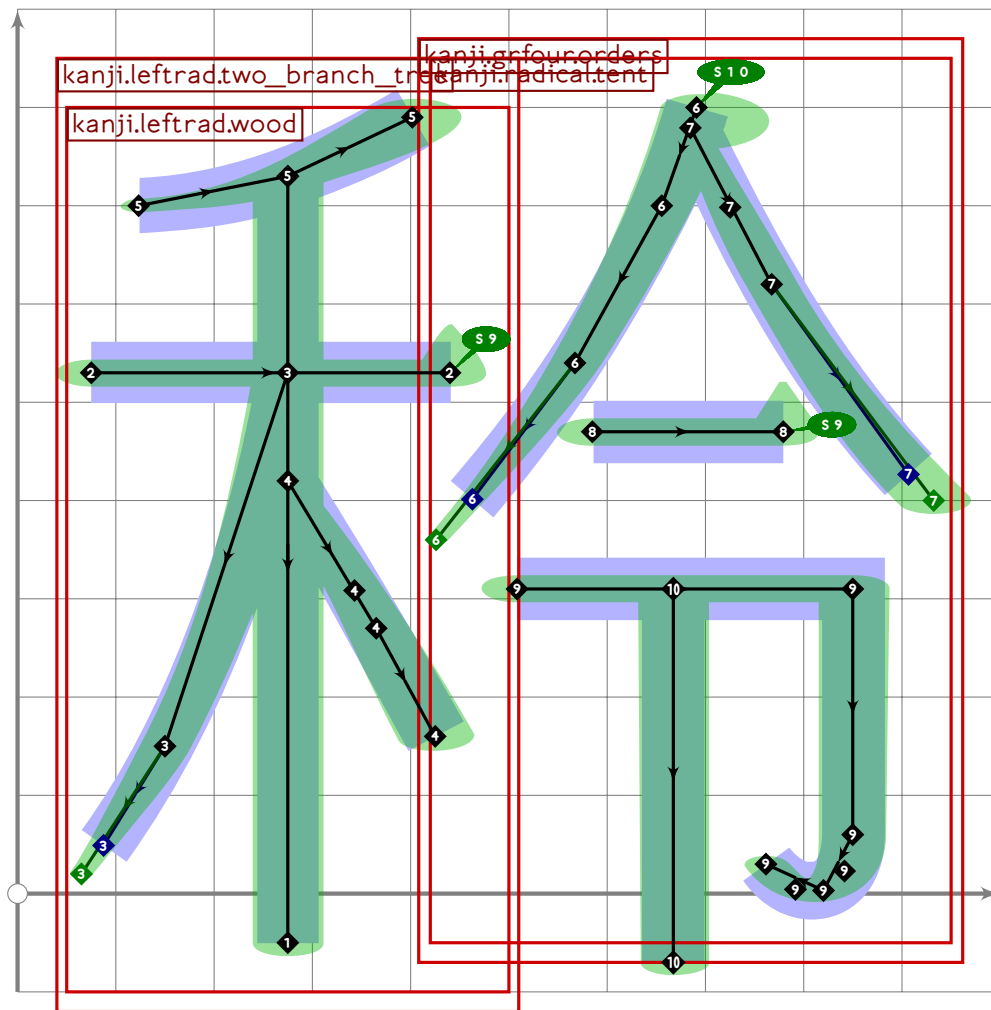


```

459 % extra
460 begintsuglyph("uni79E0",224);
461   build_kanji.lr(460,30)
462     (kanji.leftrad.two_branch_tree)
463     (kanji.rare.glorious);
464   tsu_render;
465 endtsuglyph;
466

```

U+79E2
tsuku.uni79E2

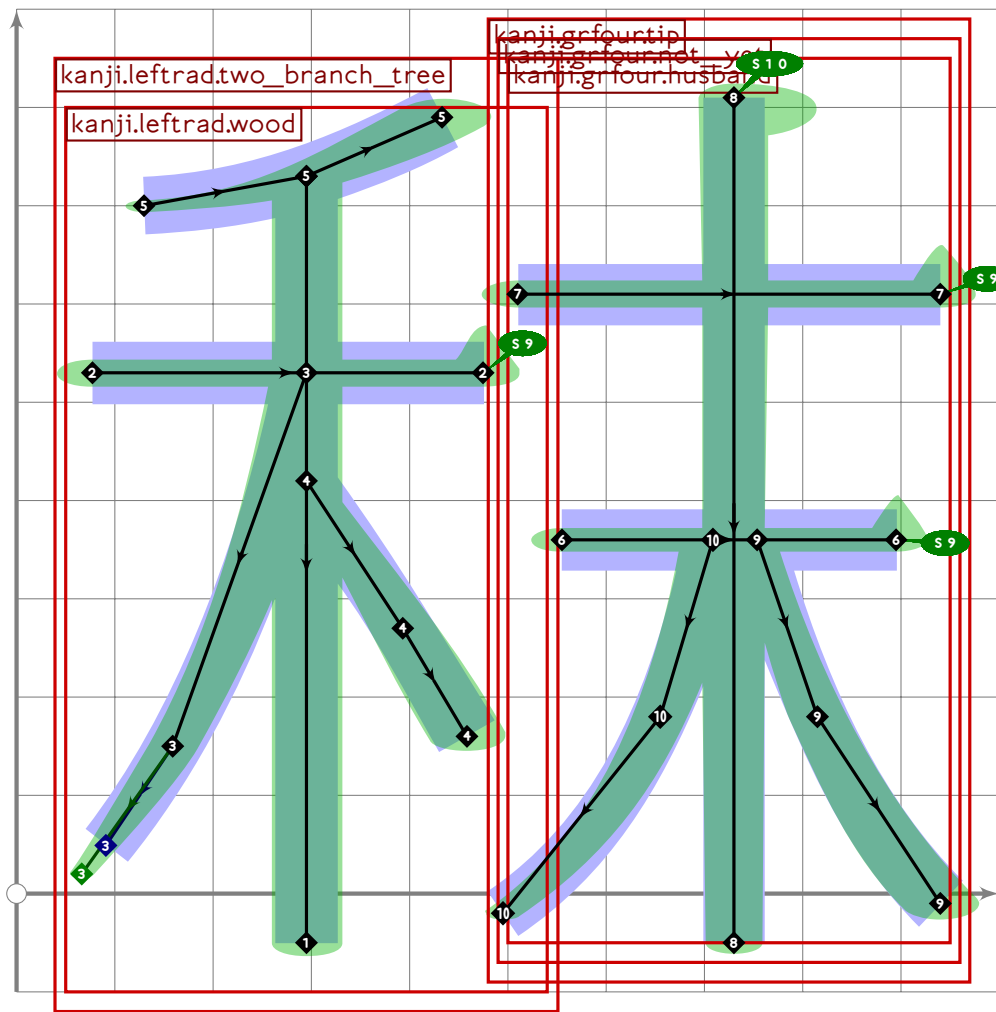


79

```

467 % extra
468 begintsuglyph("uni79E2",226);
469   build_kanji.lr(460,80)
470     (kanji.leftrad.two_branch_tree)
471     (kanji.grfour.orders);
472   tsu_render;
473 endtsuglyph;
474

```



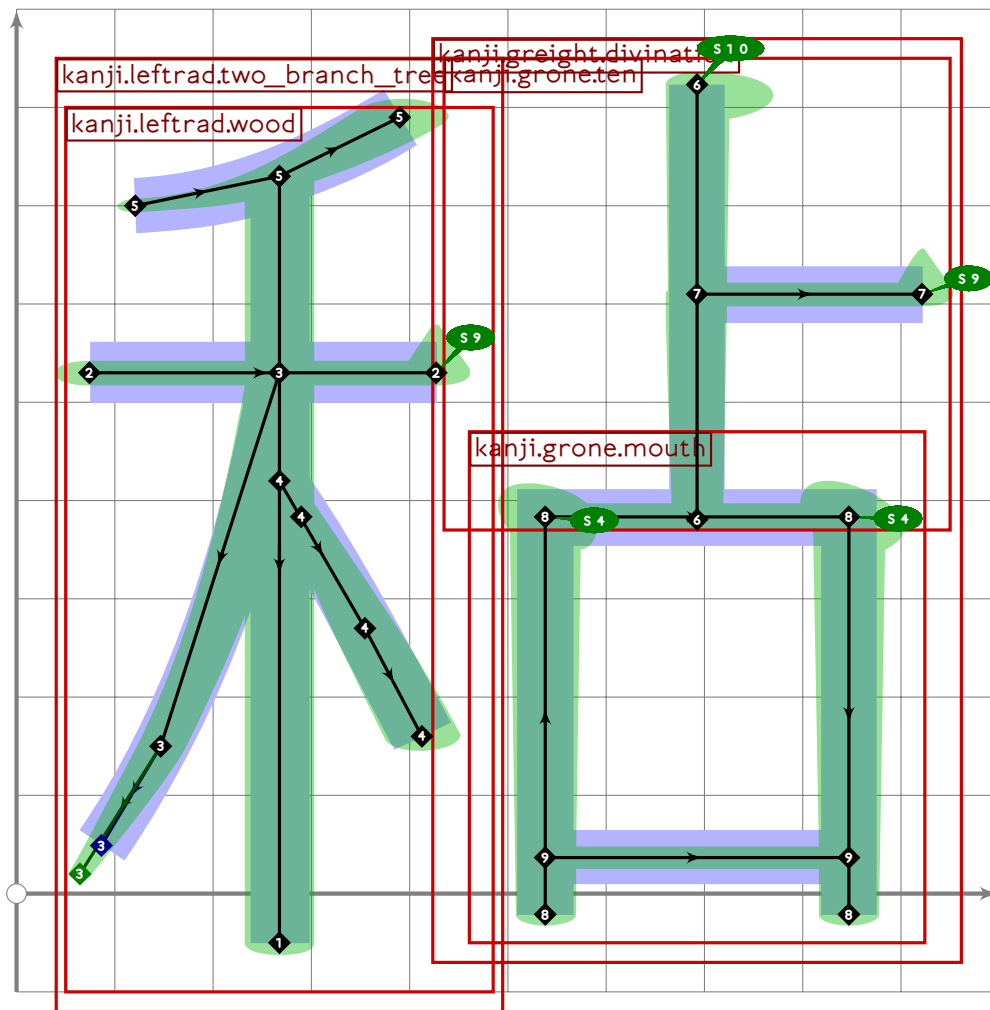
```

475 % extra
476 begintsuglyph("uni79E3";227);
477   build_kanji.lr(520,40)
478     (kanji.leftrad.two_branch_tree)
479     (kanji.grfour.tip);
480   tsu_render;
481 endtsuglyph;
482
483 % shou/hakari "weigh_scale"
484 begintsuglyph("uni79E4";228);
485   kanji.grnine.weigh_scale;
486   tsu_render;
487 endtsuglyph;
488

```

[see page 3189]

U+79E5
tsuku.uni79E5

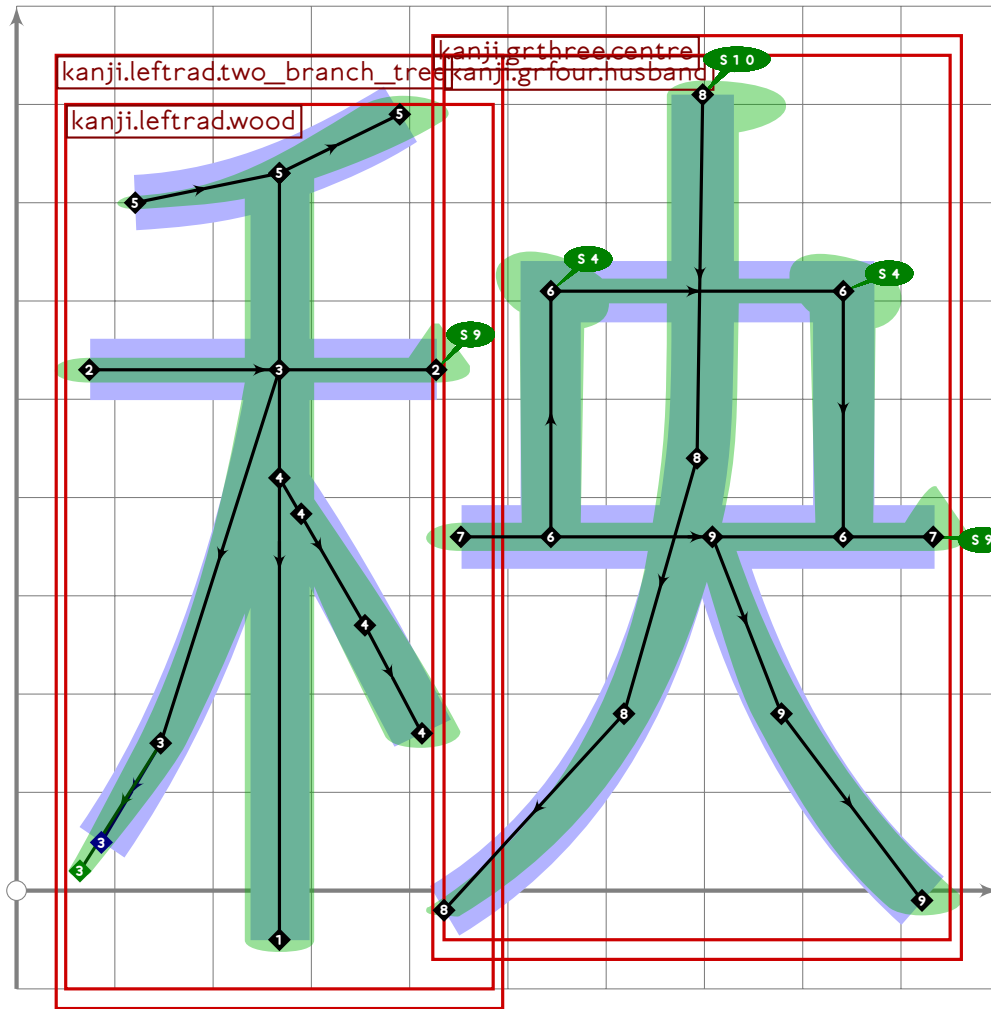


79

```

489 % extra
490 begintsuglyph("uni79E5",229);
491   build_kanji.lr(460,50)
492     (kanji.leftrad.two_branch_tree)
493     (kanji.greight.divination);
494   tsu_render;
495 endtsuglyph;
496

```

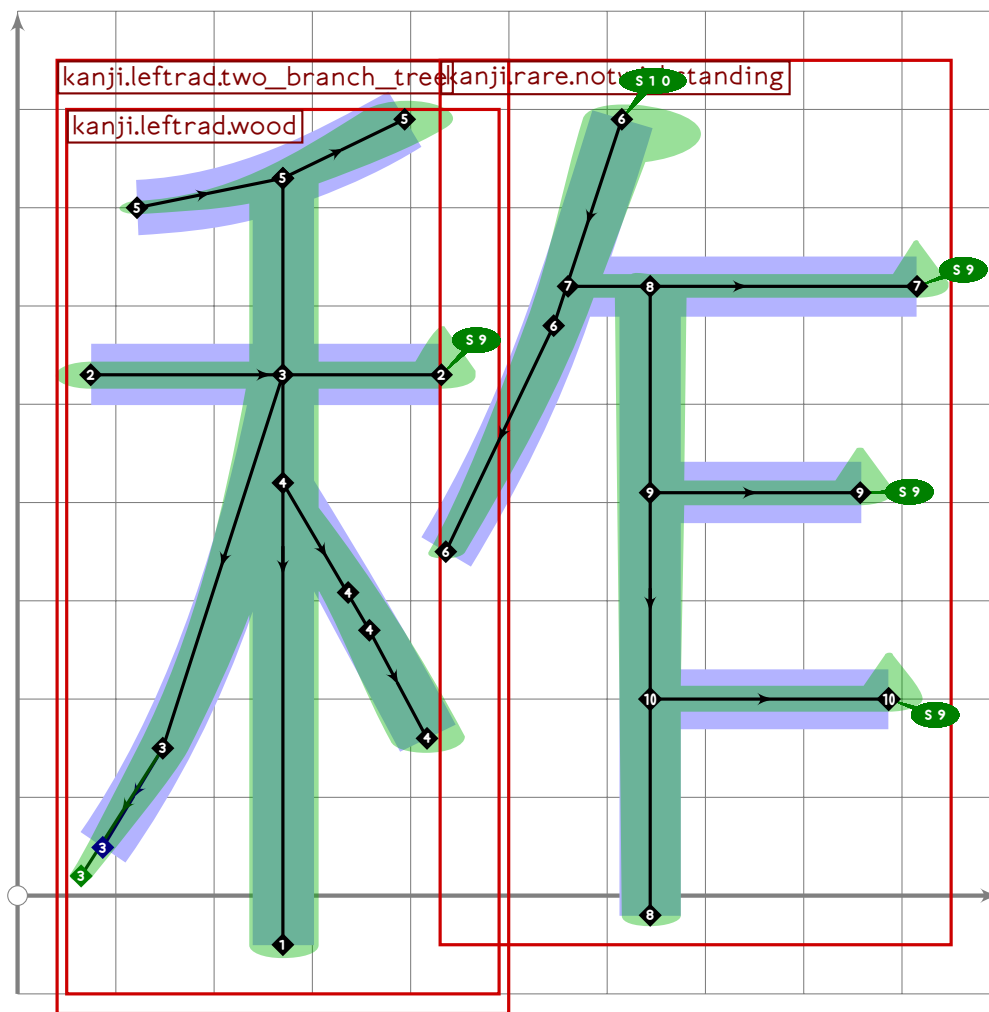


```

497 % extra
498 begintsuglyph("uni79E7",231);
499 build_kanji.lr(460,50)
500 (kanji.leftrad.two_branch_tree)
501 (kanji.grthree.centre);
502 tsu_render;
503 endtsuglyph;
504

```


U+79E8
tsuku.uni79E8



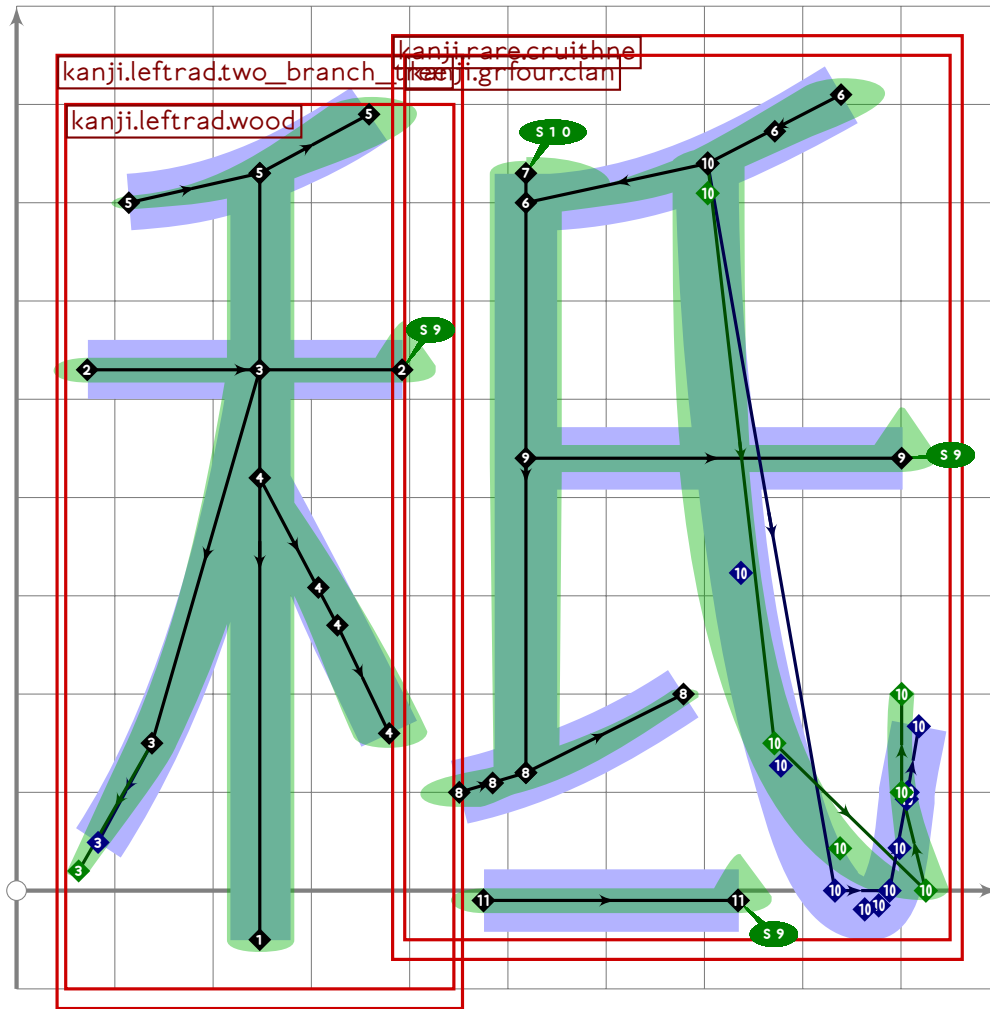
79

```

505 % extra
506 begintsuglyph("uni79E8";232);
507   build_kanji.lr(460,60)
508     (kanji.leftrad.two_branch_tree)
509     (kanji.rare.notwithstanding);
510   tsu_render;
511 endtsuglyph;
512
513 % chitsu/chichi "regularity"
514 begintsuglyph("uni79E9";233);
515   kanji.greight.regularity;
516   tsu_render;
517 endtsuglyph;
518

```

[see page 3187]

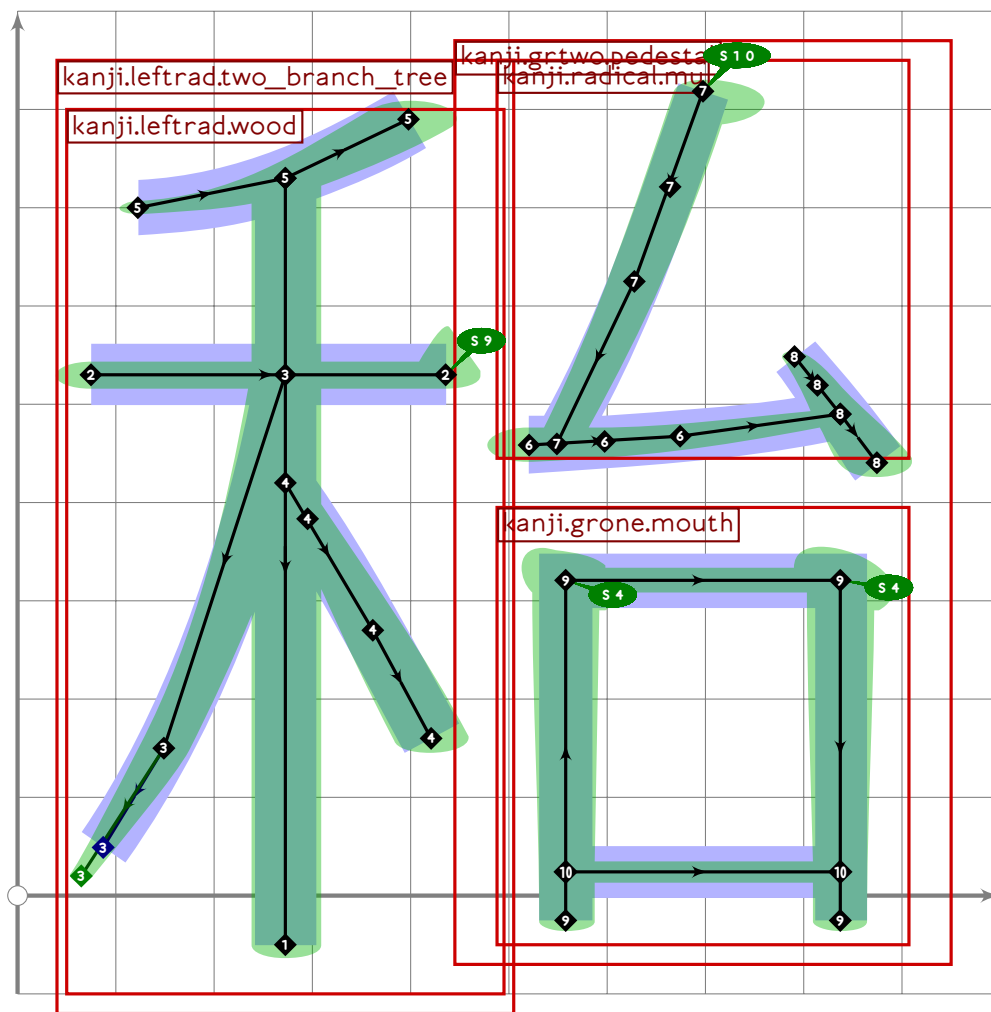


```

519 % extra
520 begintsuglyph("uni79EA",234);
521   build_kanji.lr(420,50)
522     (kanji.leftrad.two_branch_tree)
523     (kanji.rare.cruithne);
524   tsu_render;
525 endtsuglyph;
526

```

U+79EE
tsuku.uni79EE

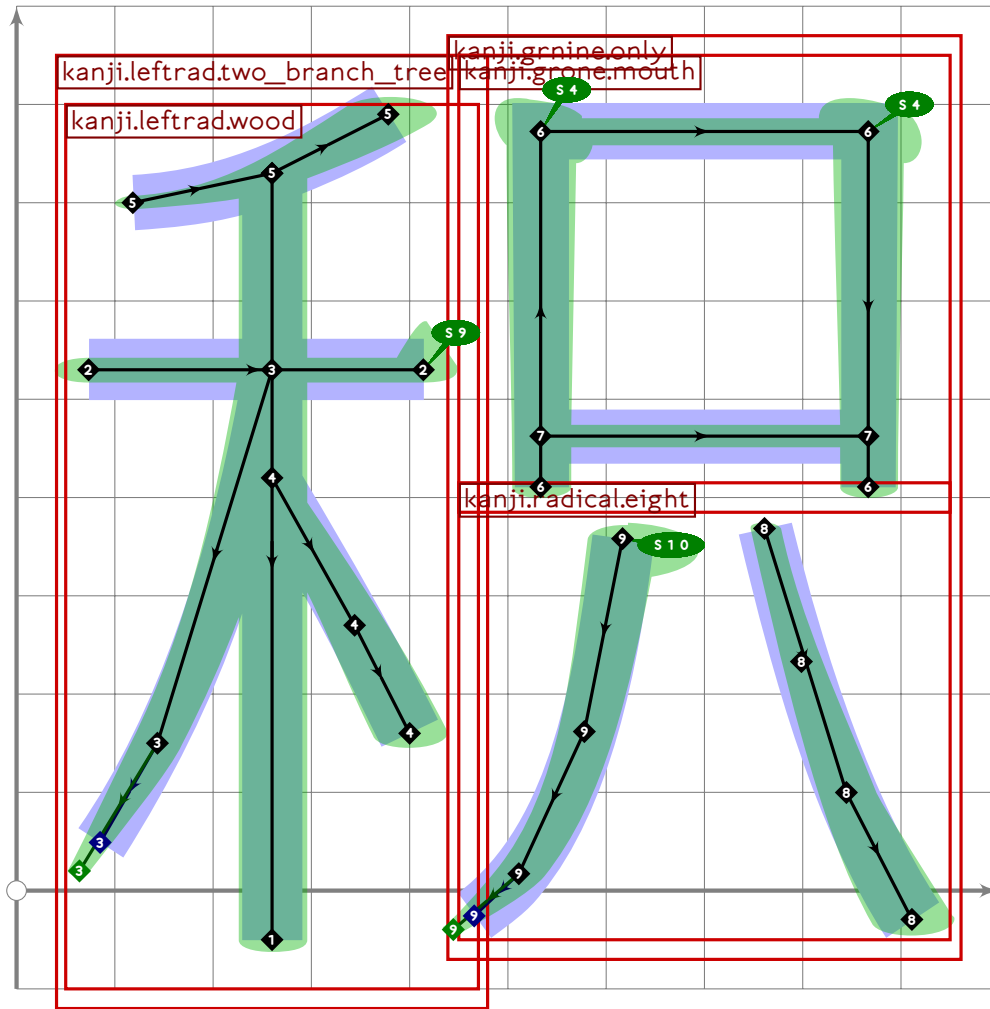


79

```

527 % extra
528 begintsuglyph("uni79EE",238);
529   build_kanji.lr(470,50)
530     (kanji.leftrad.two_branch_tree)
531     (kanji.grtwo.pedestal);
532   tsu_render;
533 endtsuglyph;
534

```

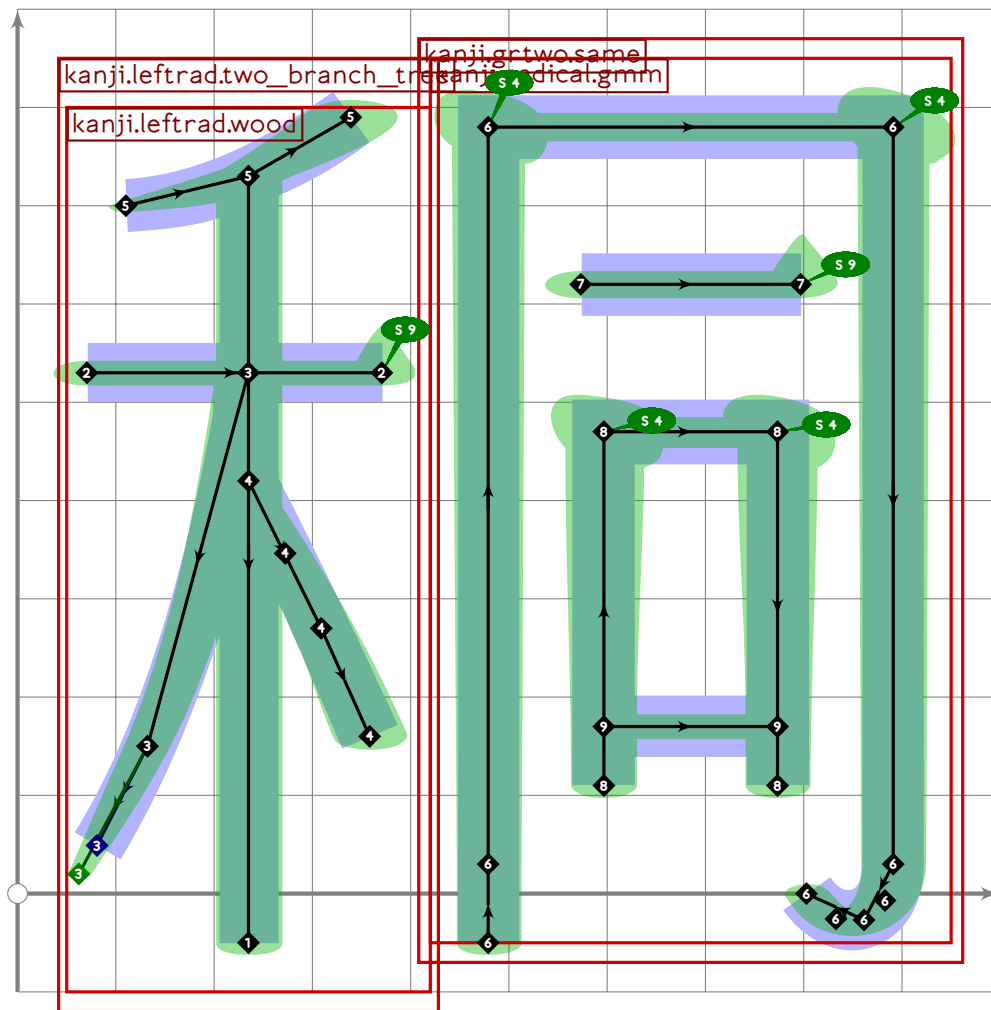


```

535 % extra
536 begintsuglyph("uni79EF",239);
537   build_kanji.lr(460,20)
538     (kanji.leftrad.two_branch_tree)
539     (kanji.grnine.only);
540   tsu_render;
541 endtsuglyph;
542

```

U+79F1
tsuku.uni79F1

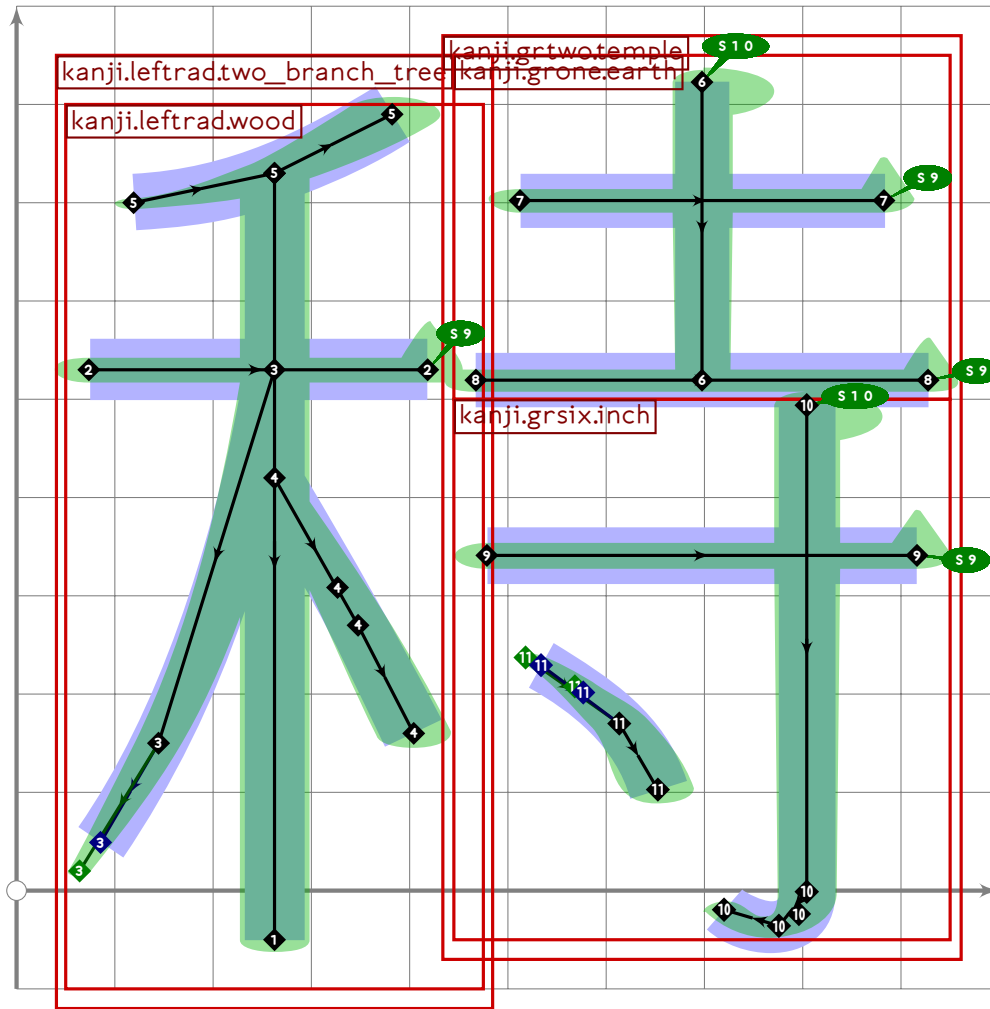


79

```

543 % extra
544 begintsuglyph("uni79F1";241);
545   build_kanji.lr(420,0)
546     (kanji.leftrad.two_branch_tree)
547     (kanji.grtwo.same);
548   tsu_render;
549 endtsuglyph;
550

```

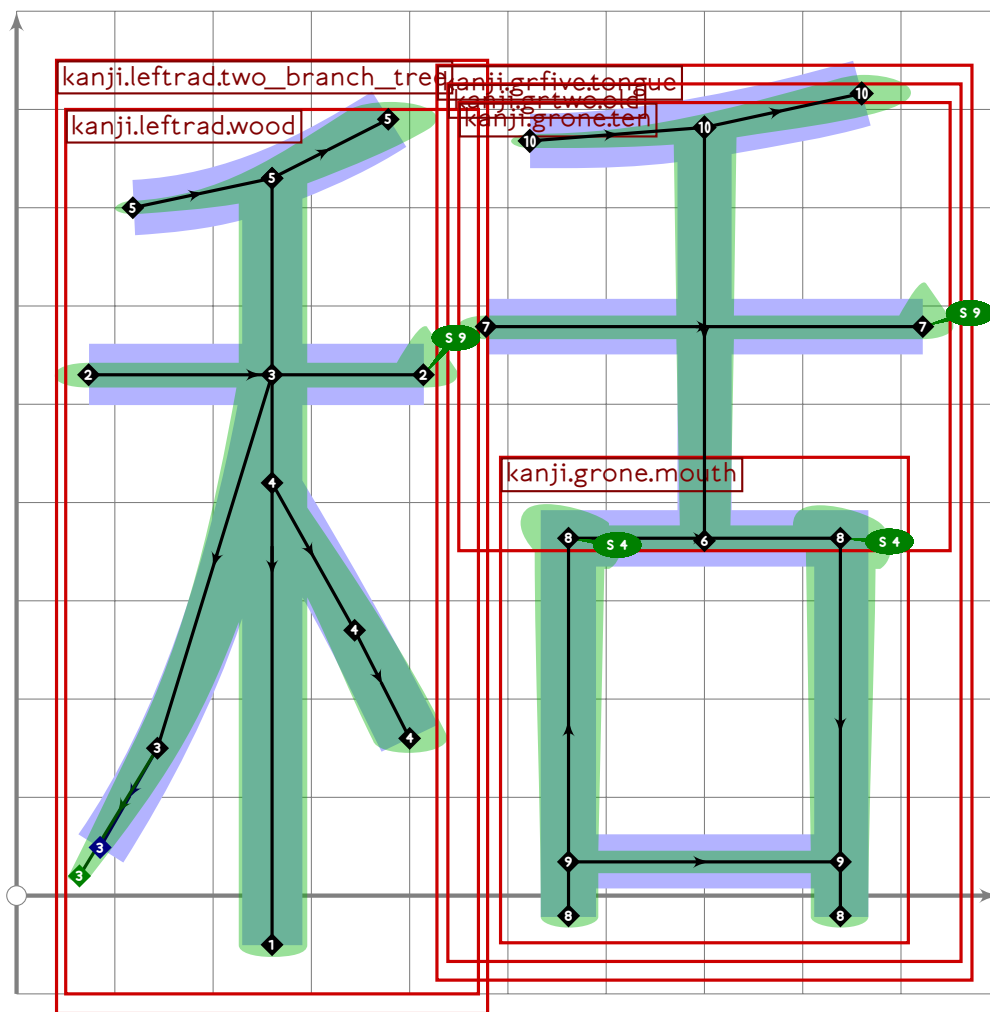


```

551 % extra
552 begintsuglyph("uni79F2",242);
553   build_kanji.lr(460,30)
554     (kanji.leftrad.two_branch_tree)
555     (kanji.grtwo.temple);
556   tsu_render;
557 endtsuglyph;
558

```

U+79F3
tsuku.uni79F3

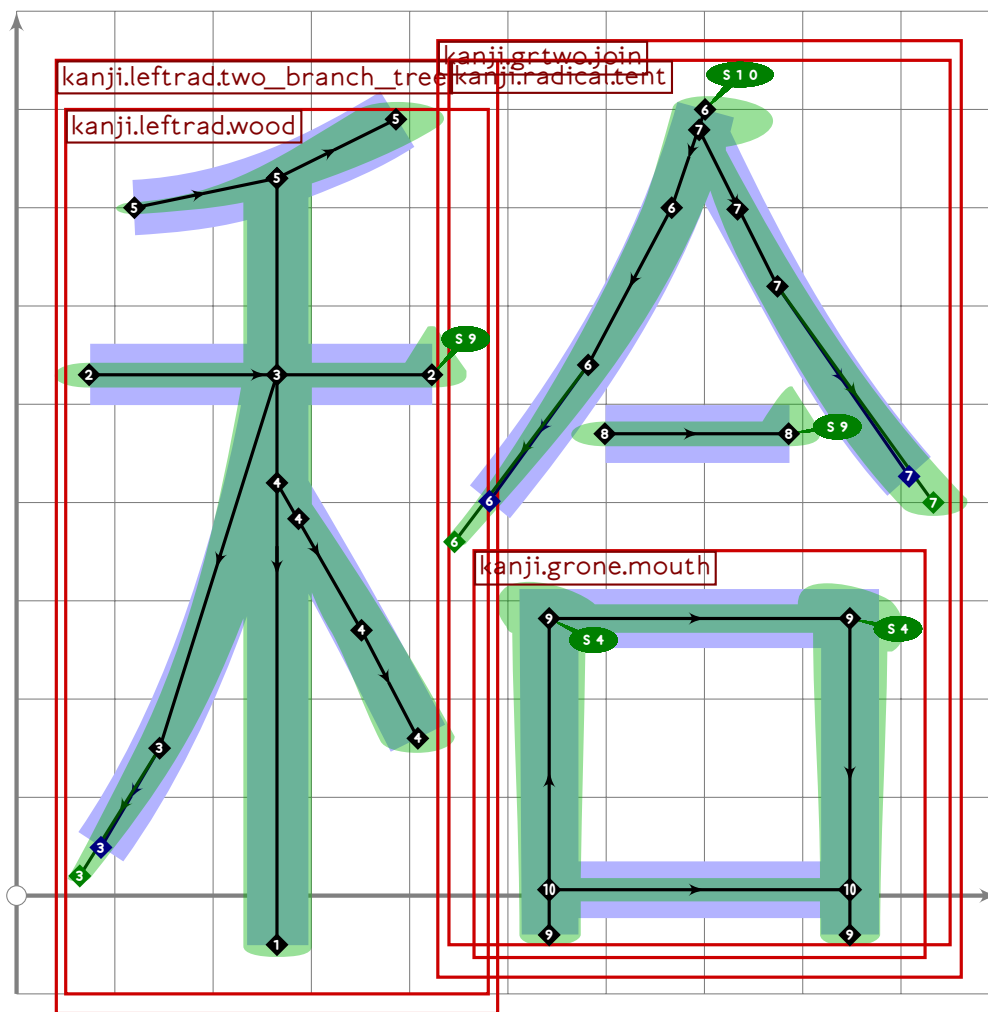


79

```

559 % extra
560 begintsuglyph("uni79F3",243);
561   build_kanji.lr(460,20)
562     (kanji.leftrad.two_branch_tree)
563     (build_kanji.sscaled(yscaled 0.95 shifted (0,-20))(kanji.grfive.tongue));
564   tsu_render;
565 endtsuglyph;
566

```

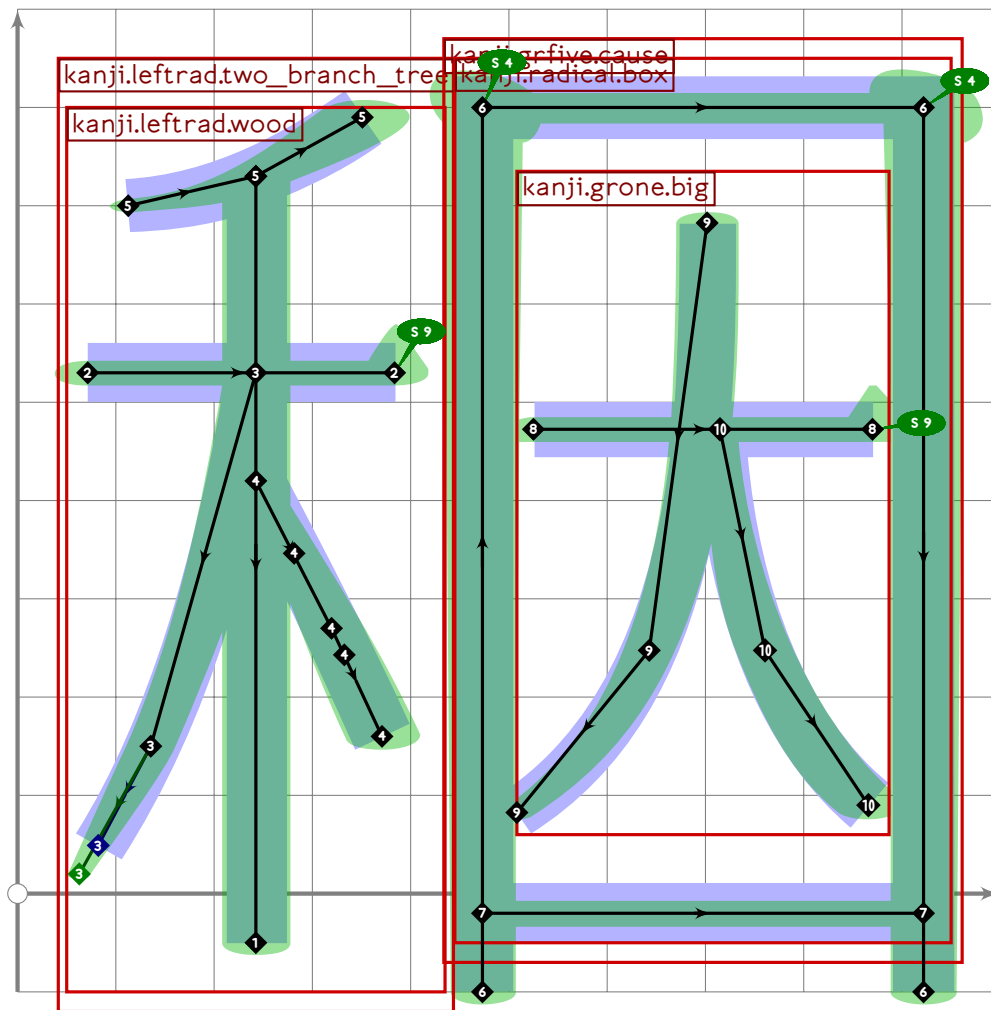


```

567 % extra
568 begintsuglyph("uni79F4";244);
569   build_kanji.lr(460,40)
570     (kanji.leftrad.two_branch_tree)
571     (kanji.grttwo.join);
572   tsu_render;
573 endtsuglyph;
574

```


U+79F5
tsuku.uni79F5

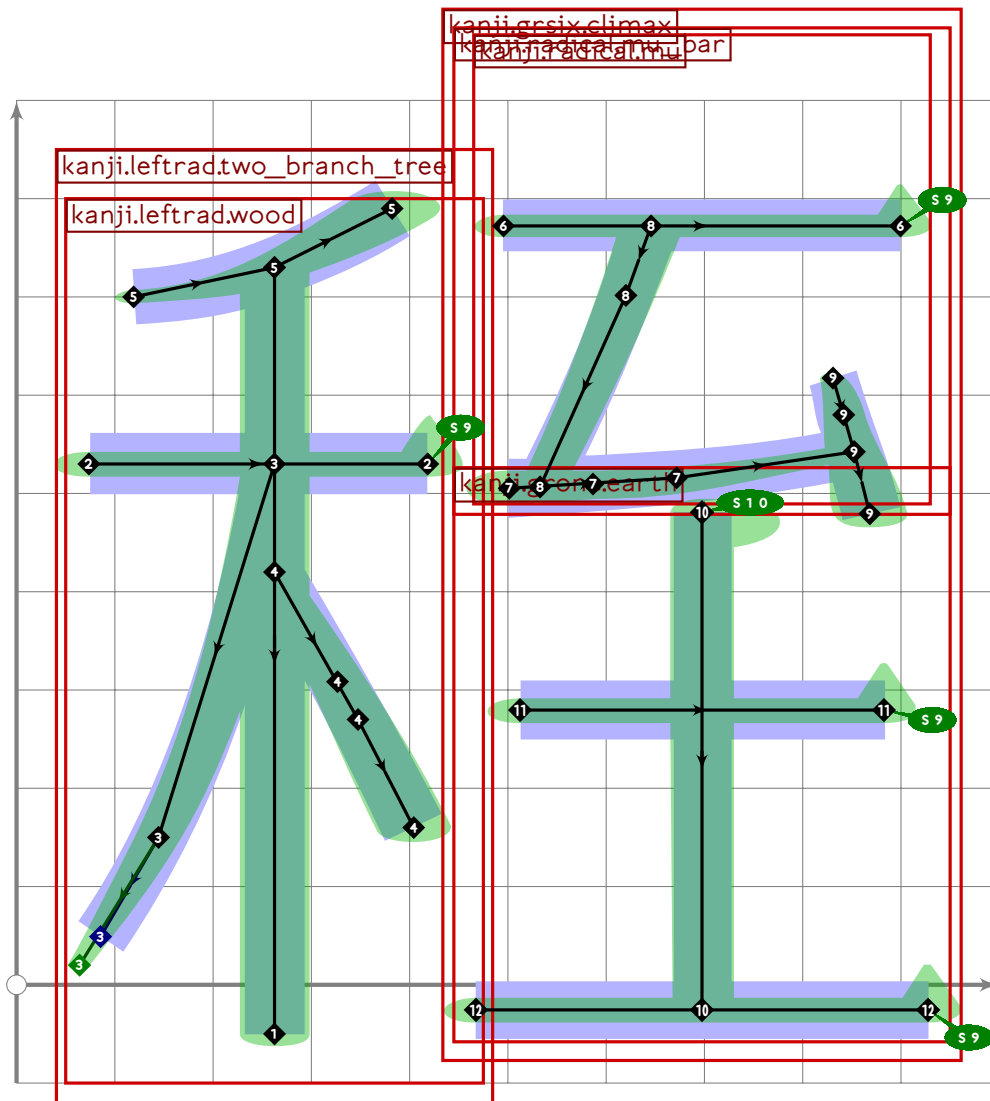


79

```

575 % extra
576 begintsuglyph("uni79F5";245);
577   build_kanji.lr(440,-10)
578     (kanji.leftrad.two_branch_tree)
579     (kanji.grfive.cause);
580   tsu_render;
581 endtsuglyph;
582

```

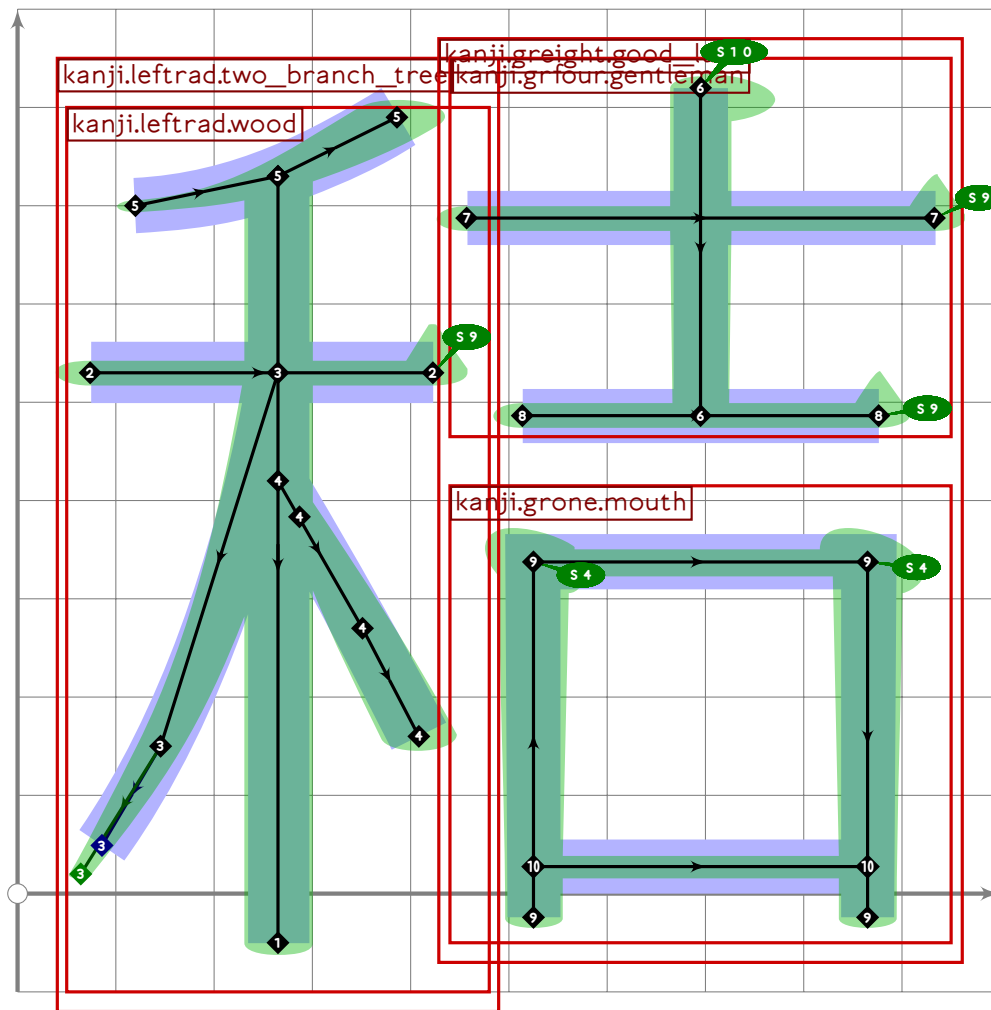


```

583 % extra
584 begintsuglyph("uni79F7";247);
585 build_kanji.lr(460,30)
586 (kanji.leftrad.two_branch_tree)
587 (build_kanji.sscaled(yscaled 0.95 shifted (0,-30))(kanji.grsix.climax));
588 tsu_render;
589 endtsuglyph;
590

```

U+79F8
tsuku.uni79F8

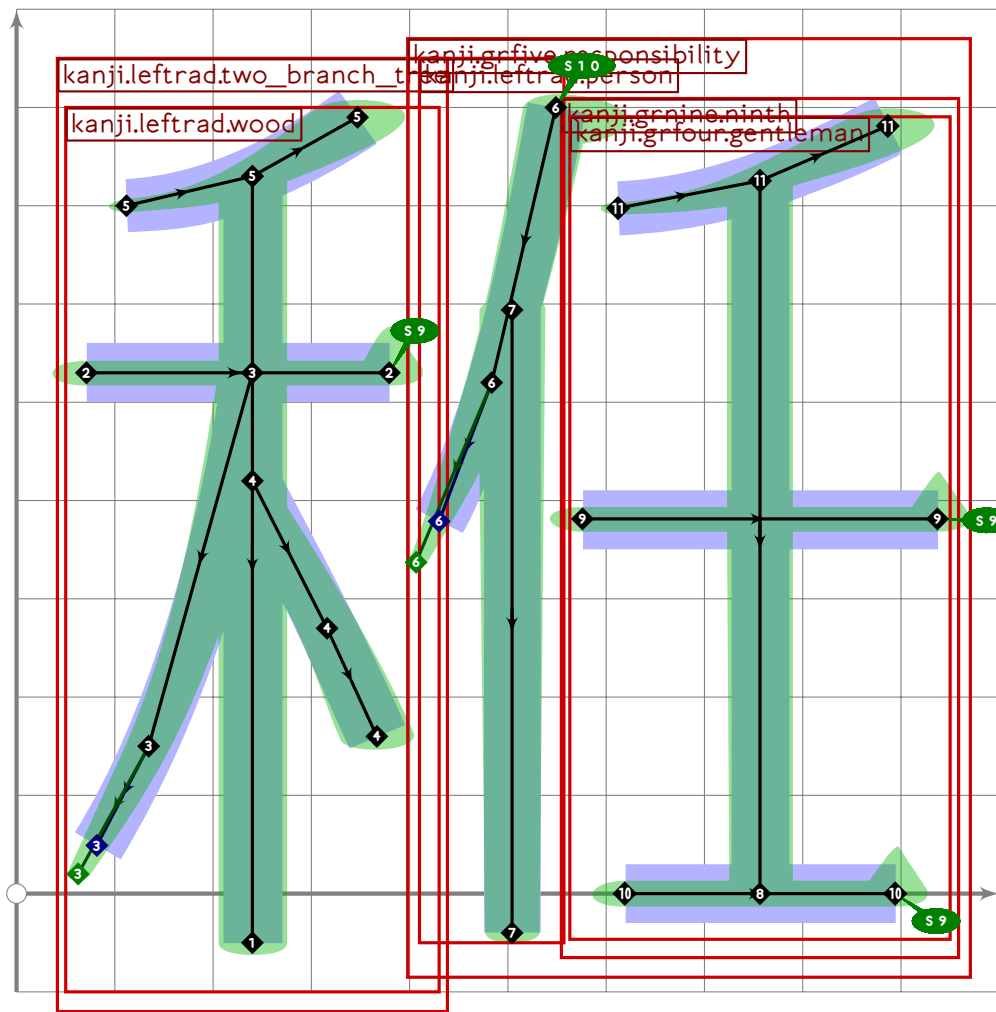


79

```

591 % extra
592 begintsuglyph("uni79F8",248);
593   build_kanji.lr(460,40)
594     (kanji.leftrad.two_branch_tree)
595     (kanji.greight.good_luck);
596   tsu_render;
597 endtsuglyph;
598

```



```

599 % extra
600 begintsuglyph("uni79F9";249);
601   build_kanji.lr(420,20)
602     (kanji.leftrad.two_branch_tree)
603     (kanji.grfive.responsibility);
604   tsu_render;
605 endtsuglyph;
606
607 % i/utsu "shift"
608 begintsuglyph("uni79FB";251);
609   kanji.grfive.shift;
610   tsu_render;
611 endtsuglyph;
612
613
614
615 endfont;
616
617

```

tsuku-7a.mp

```
1 %  
2 % Unicode page 7A (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 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 rightrad.mp;
```

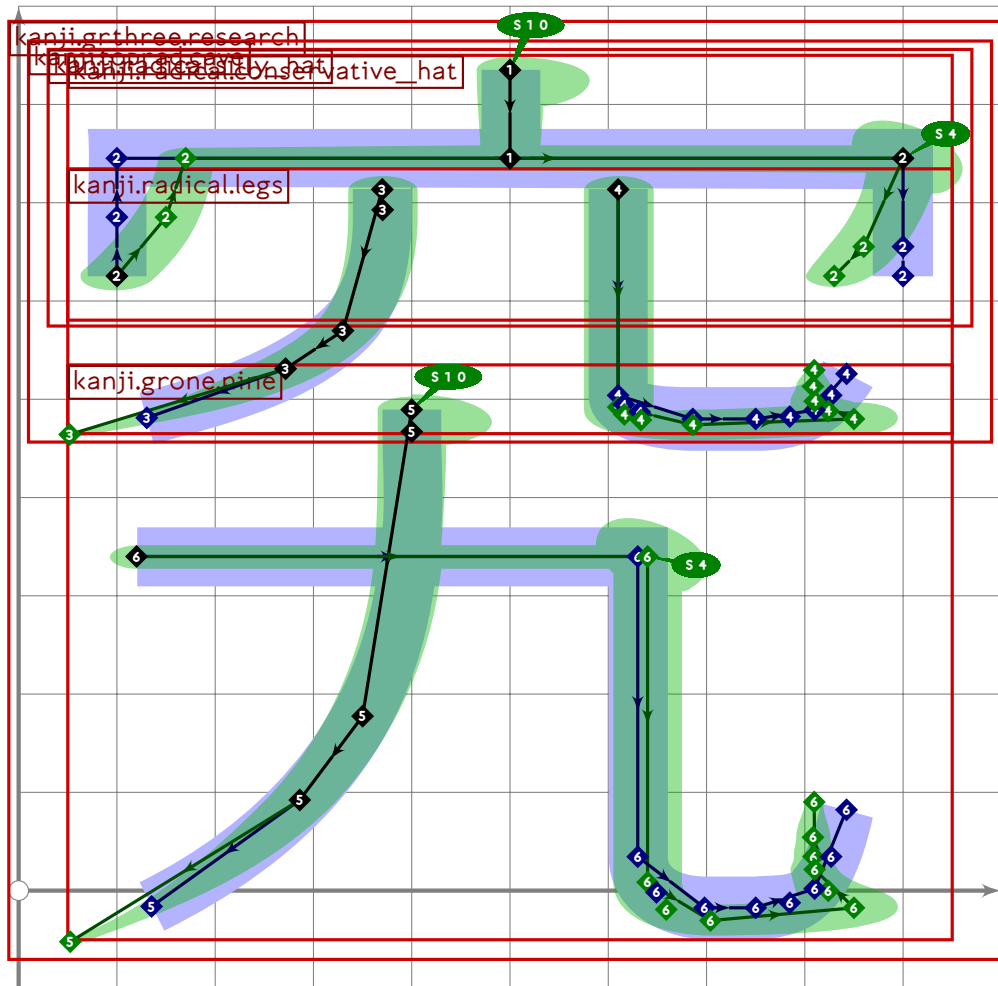
```
51 input toprad.mp;
```

```
52
```

```
53 do_late_includes;
```

```
54
```

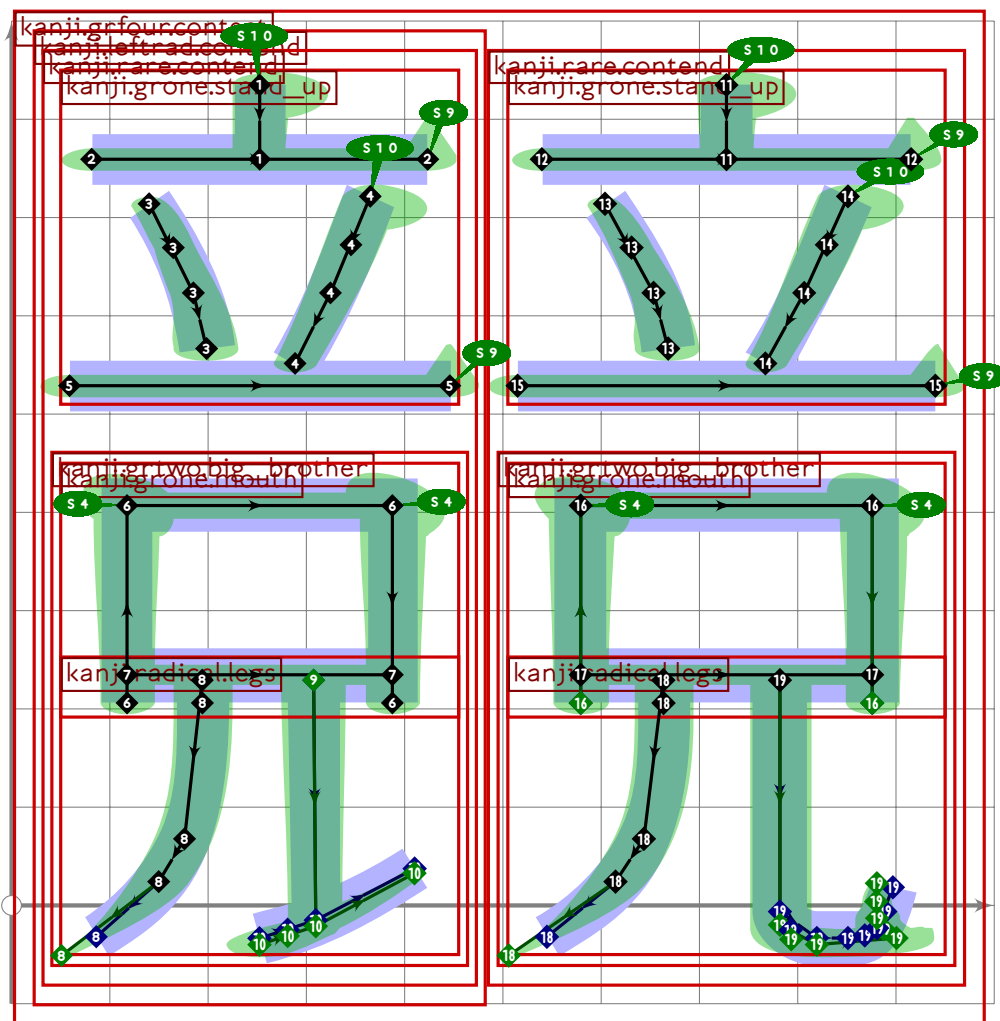
```
55
```



```

56
57 vardef kanji.grthree.research =
58   push_pbox_toexpand("kanji.grthree.research");
59   build_kanji.level(build_kanji.tb(500,70)
60     (kanji.toprad.cave)
61     (kanji.grone.nine));
62   expand_pbox;
63 enddef;
64
65

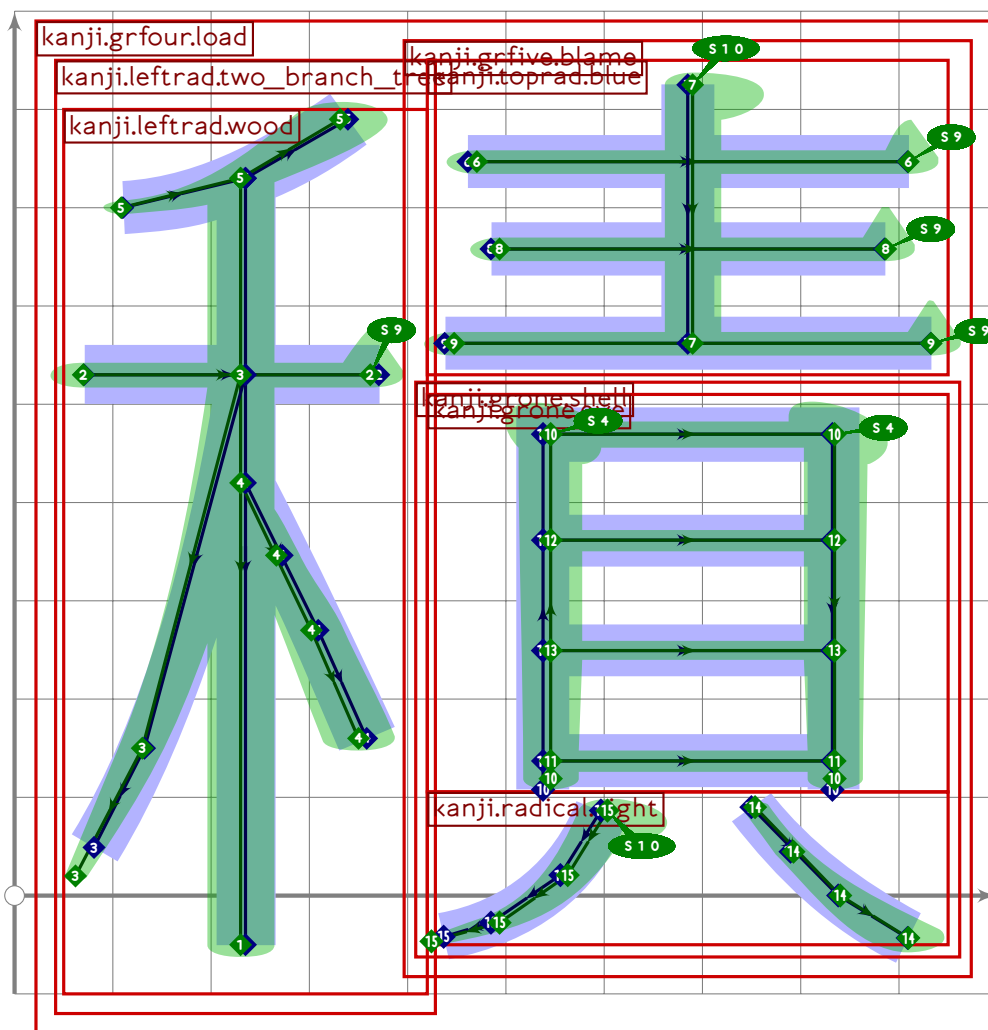
```



```

66
67 vardef kanji.grfour.contest =
68   push_pbox_toexpand("kanji.grfour.contest");
69   build_kanji.lr(480,50)
70     (kanji.leftrad.contend)
71     (kanji.rare.contend);
72   expand_pbox;
73 enddef;

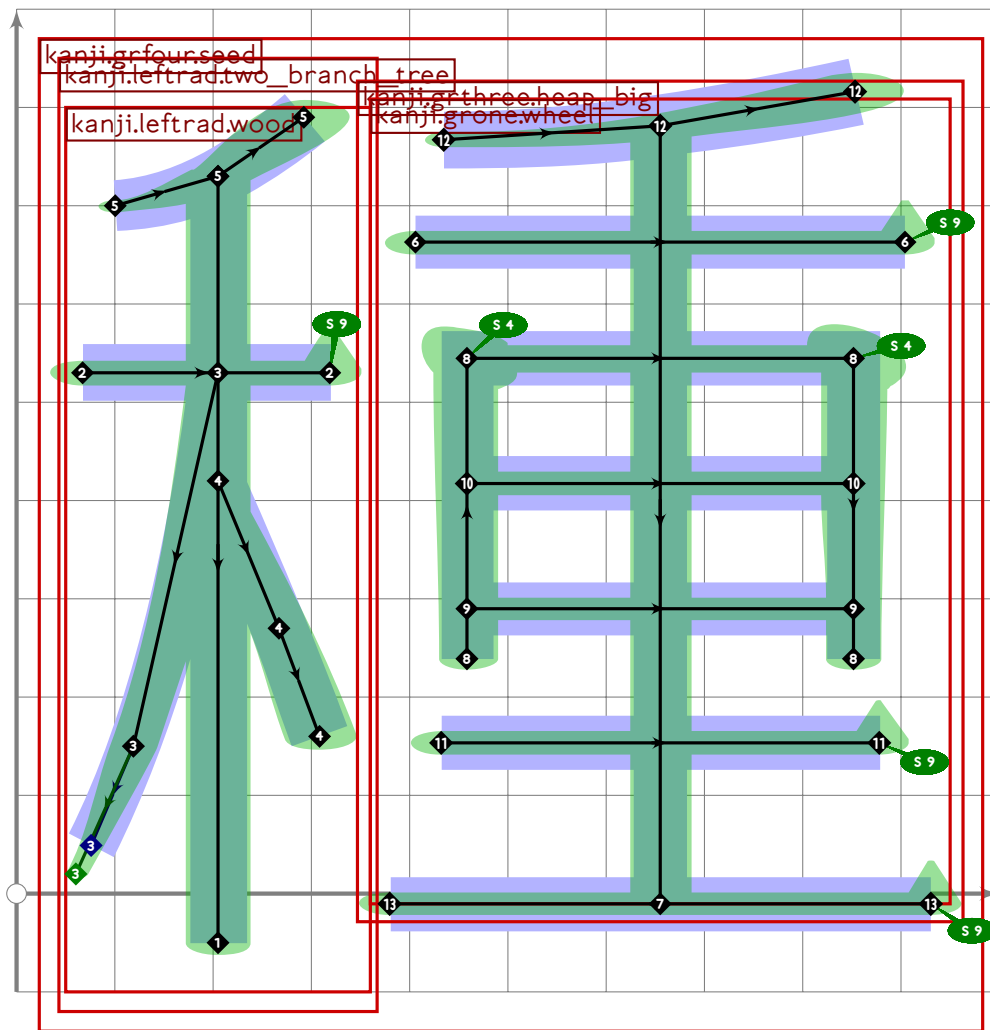
```



```

74
75 vardef kanji.grfour.load =
76   push_pbox_toexpand("kanji.grfour.load");
77   build_kanji.lr(420,-20*mincho)
78     (kanji.leftrad.two_branch_tree)
79     (kanji.grfive.blame);
80   expand_pbox;
81 enddef;

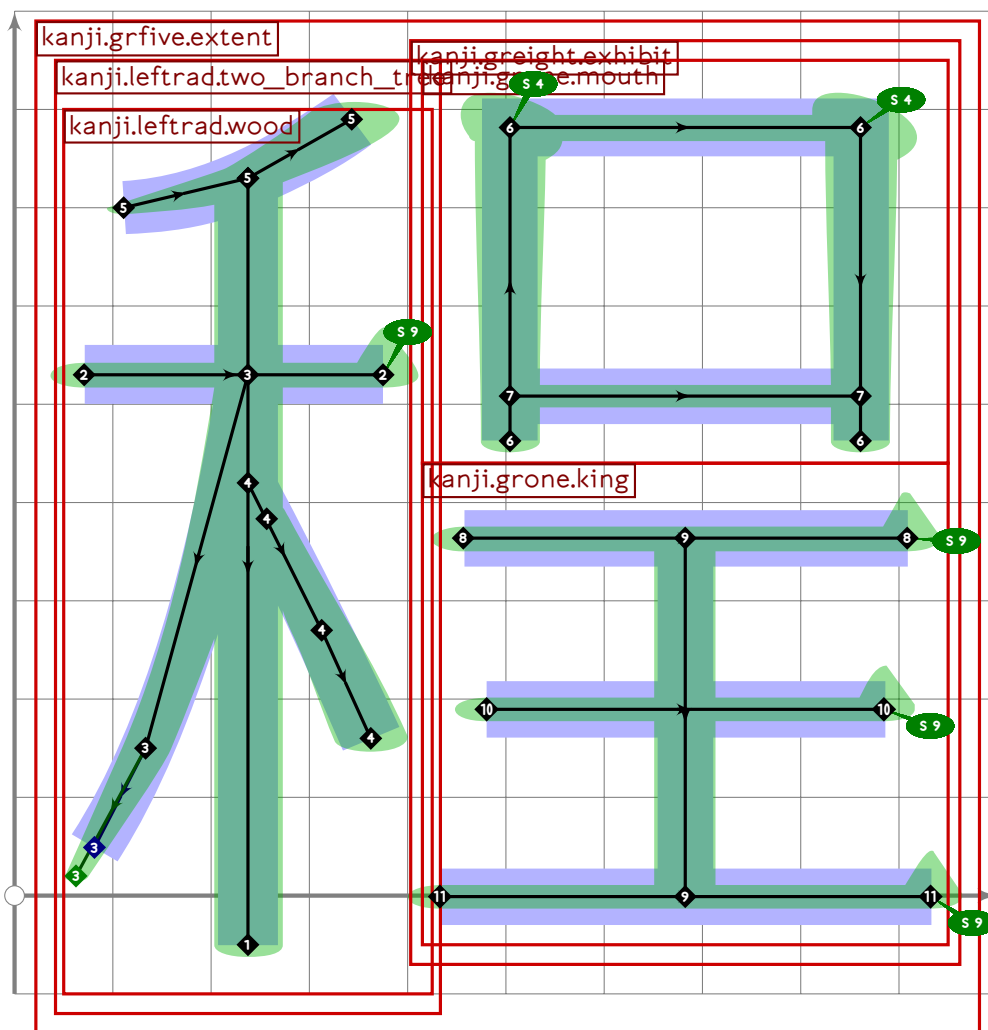
```

7A

```

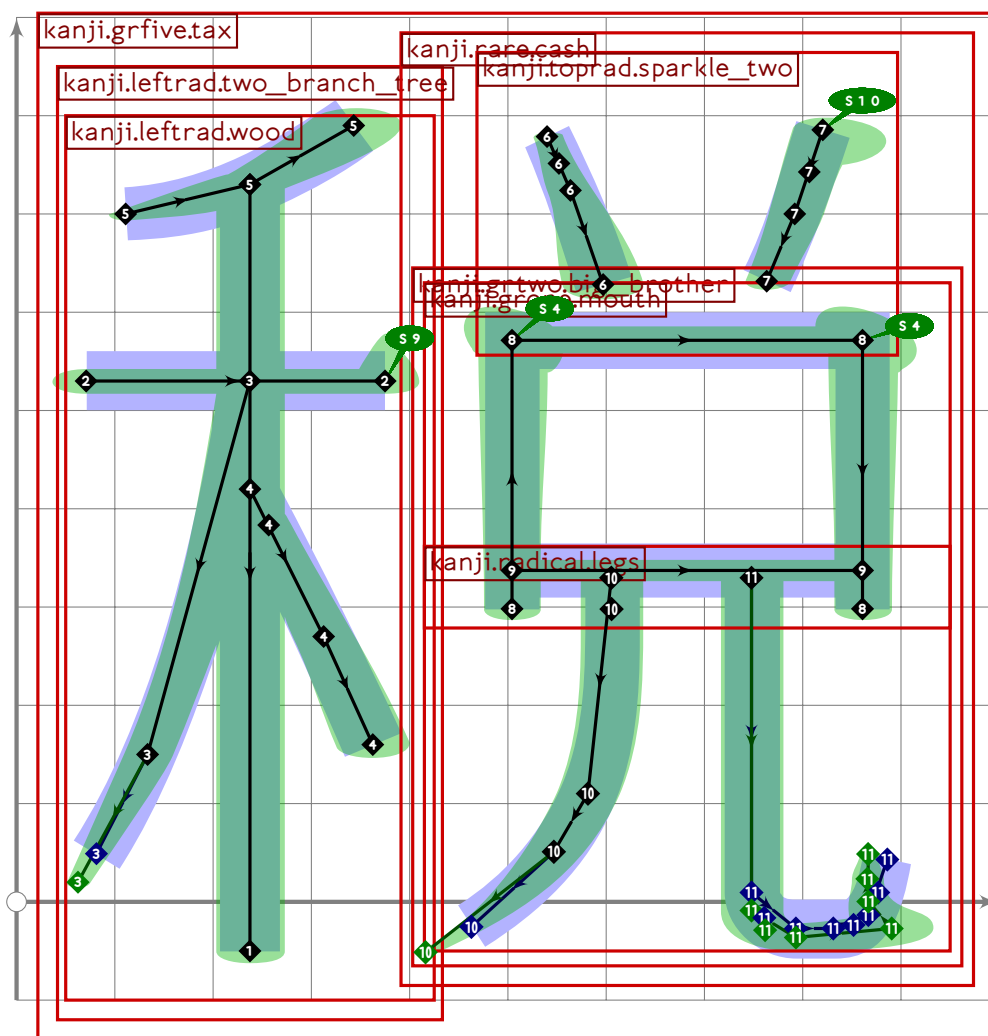
82
83 vardef kanji.grfour.seed =
84   push_pbox_toexpand("kanji.grfour.seed");
85   build_kanji.lr(360,0)
86     (kanji.leftrad.two_branch_tree)
87     (build_kanji.sscale(yscaled 0.91)(kanji.grthree.heap_big));
88   expand_pbox;
89 enddef;
90
91
```



```

92
93 vardef kanji.grfive.extent =
94   push_pbox_toexpand("kanji.grfive.extent");
95   build_kanji.lr(420,10)
96     (kanji.leftrad.two_branch_tree)
97     (kanji.greight.exhibit);
98   expand_pbox;
99 enddef;

```



7A

```

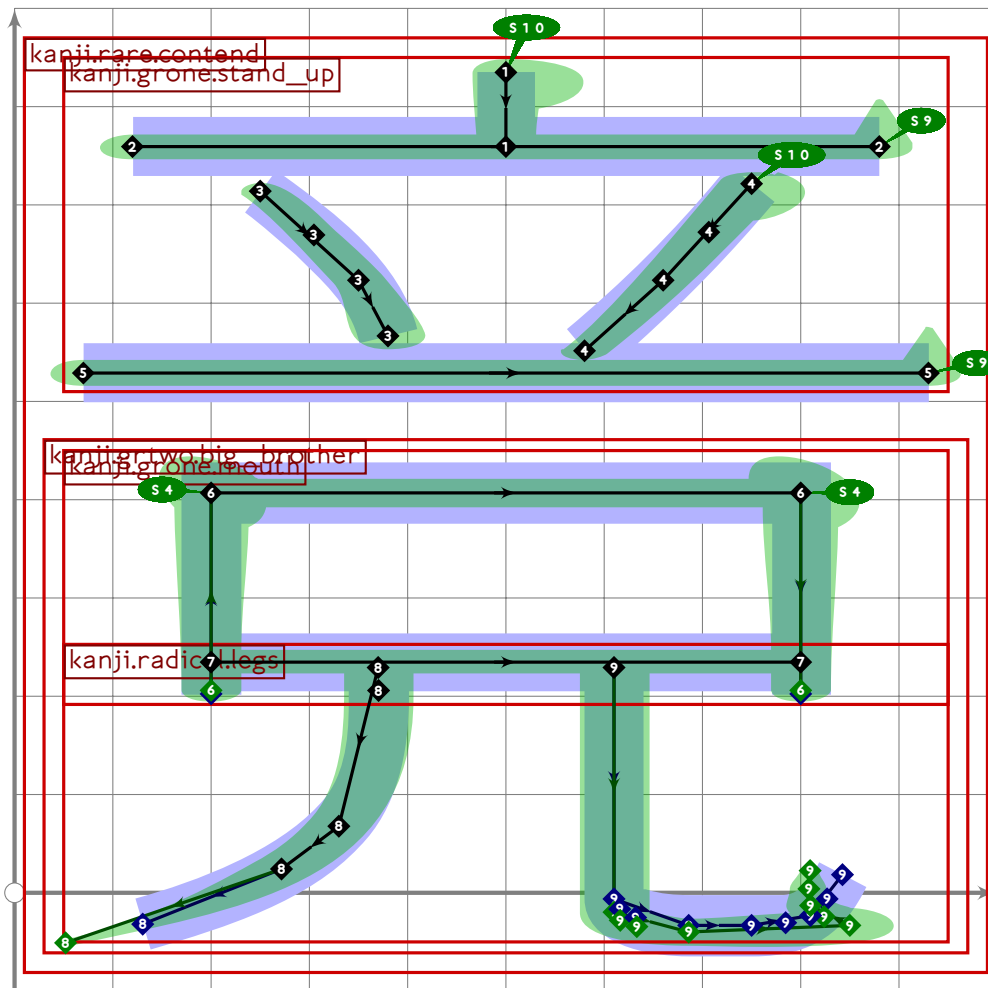
100
101 vardef kanji.grfive.tax =
102   push_pbox_toexpand("kanji.grfive.tax");
103   build_kanji.lr(420,10)
104     (kanji.leftrad.two_branch_tree)
105     (kanji.rare.cash);
106   expand_pbox;
107 enddef;
108
109
110
111 vardef kanji.leftrad.contend =
112   push_pbox_toexpand("kanji.leftrad.contend");
113   kanji.rare.contend;
114   begingroup
115     save myxf,my;
116     transform myxf;
117     path my;
118     myp=get_stroke(0);
119     (0,0) transformed myxf=llcorner my;

```

```

120 (1,0) transformed myxf=lrcorner myp;
121 (0,1) transformed myxf=ulcorner myp;
122 replace_strokep(0)((0.05,1)-(0.07,0.07)) transformed myxf);
123 replace_strokeq(0)((1.7,1.7)-(1.5,1.5));
124 push_stroke(((0.46,0)..tension 1.2..(0.07,0.07)..(1,0.27))
125   transformed myxf,
126   (1.7,1.7)-(1.5,1.5)-(1,1));
127 set_bosize(0)(get_bosize(-1));
128 endgroup;
129 expand_pbox;
130 enddef;
131
132

```

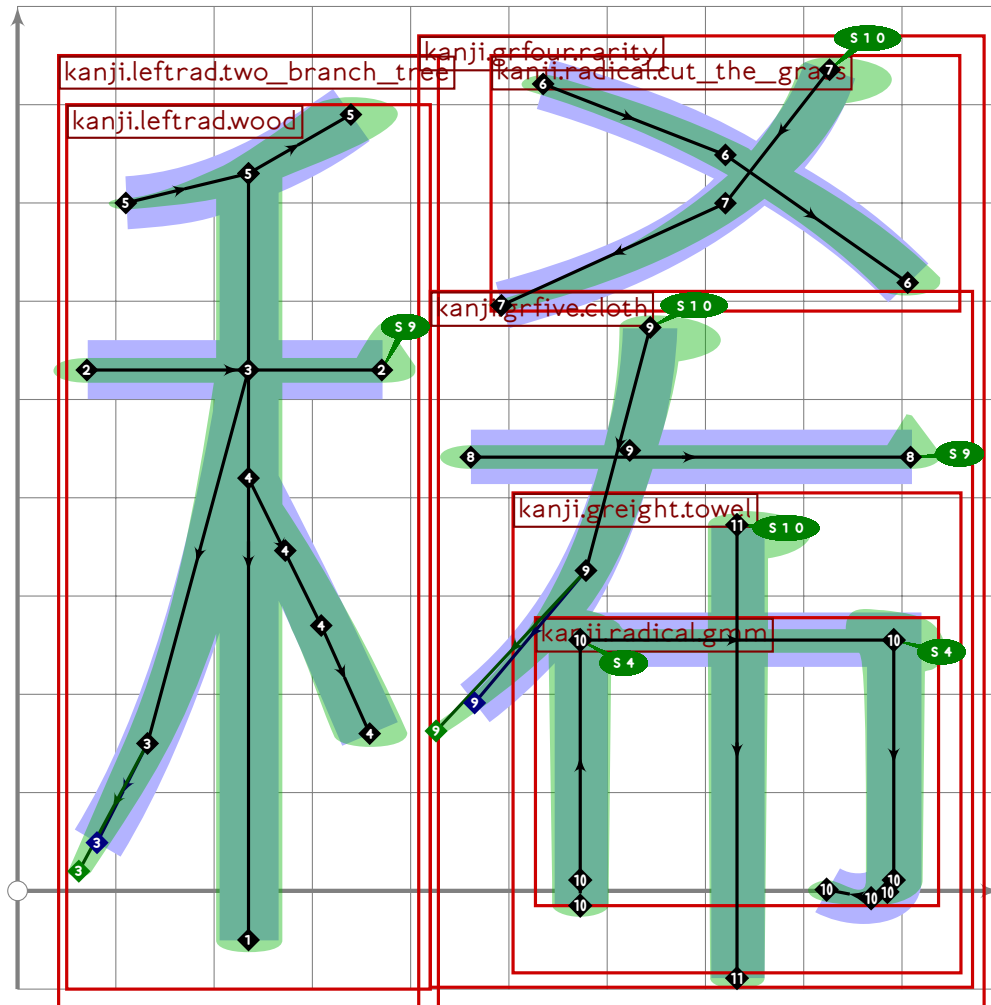


```

133
134 vardef kanji.rare.contend =
135   push_pbox_toexpand("kanji.rare.contend");
136   build_kanji.tb(480;-60)
137     (kanji.grone.stand_up)
138     (kanji.grtwo.big_brother);
139   expand_pbox;
140 enddef;

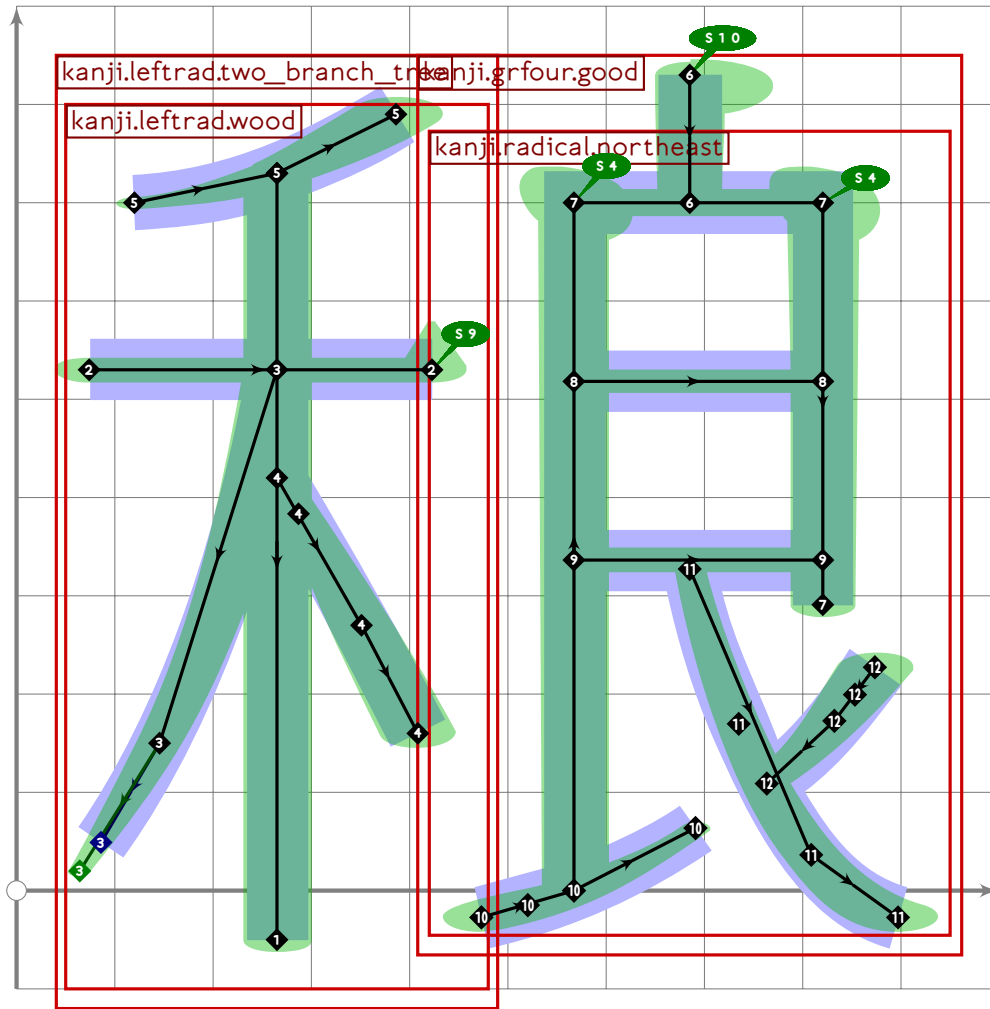
```

141
142
143



7A

```
144 % extra
145 begintsuglyph("uni7A00",0);
146   build_kanji.lr(420,0)
147     (kanji.leftrad.two_branch_tree)
148     (kanji.grfour.rarity);
149   tsu_render;
150 endtsuglyph;
151
```

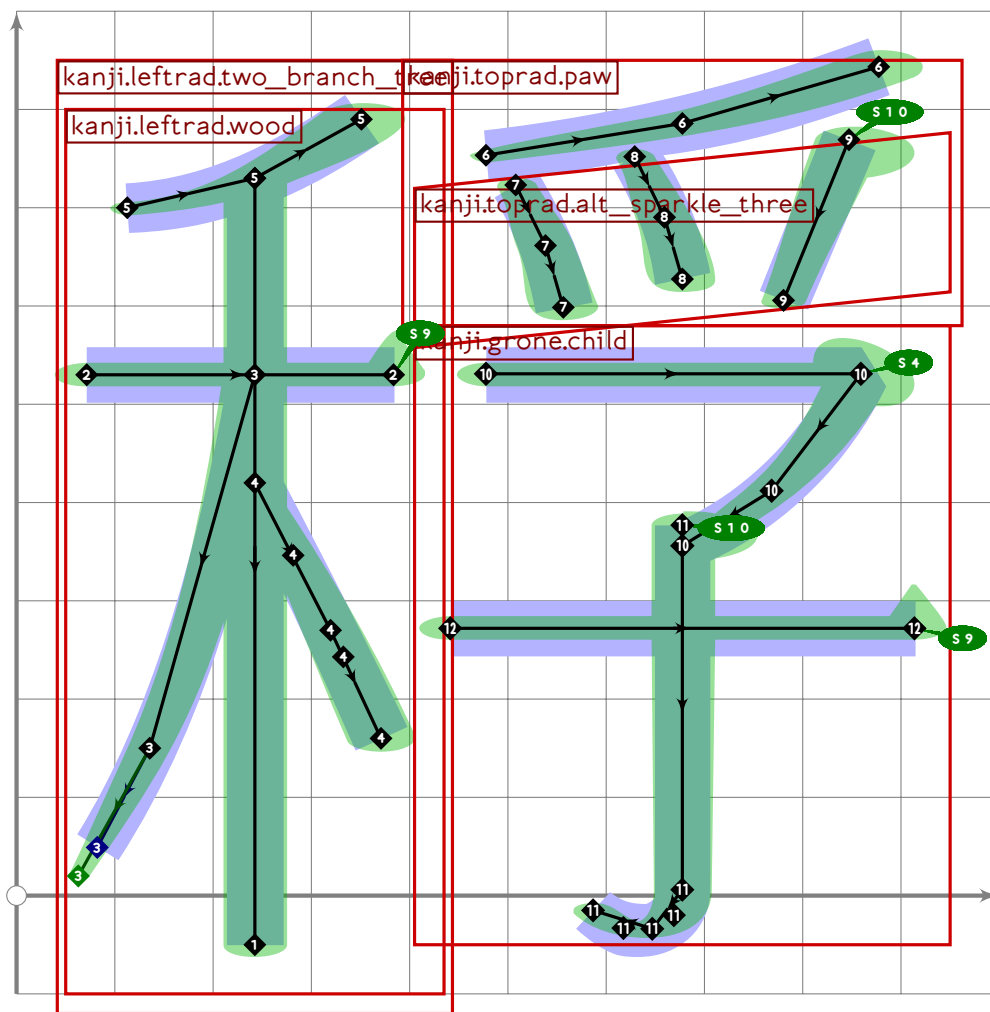


```

152 % extra
153 begintsuglyph("uni7A02",2);
154   build_kanji.lr(450,60)
155     (kanji.leftrad.two_branch_tree)
156     (kanji.grfour.good);
157   tsu_render;
158 endtsuglyph;
159

```

U+7A03
tsuku.uni7A03

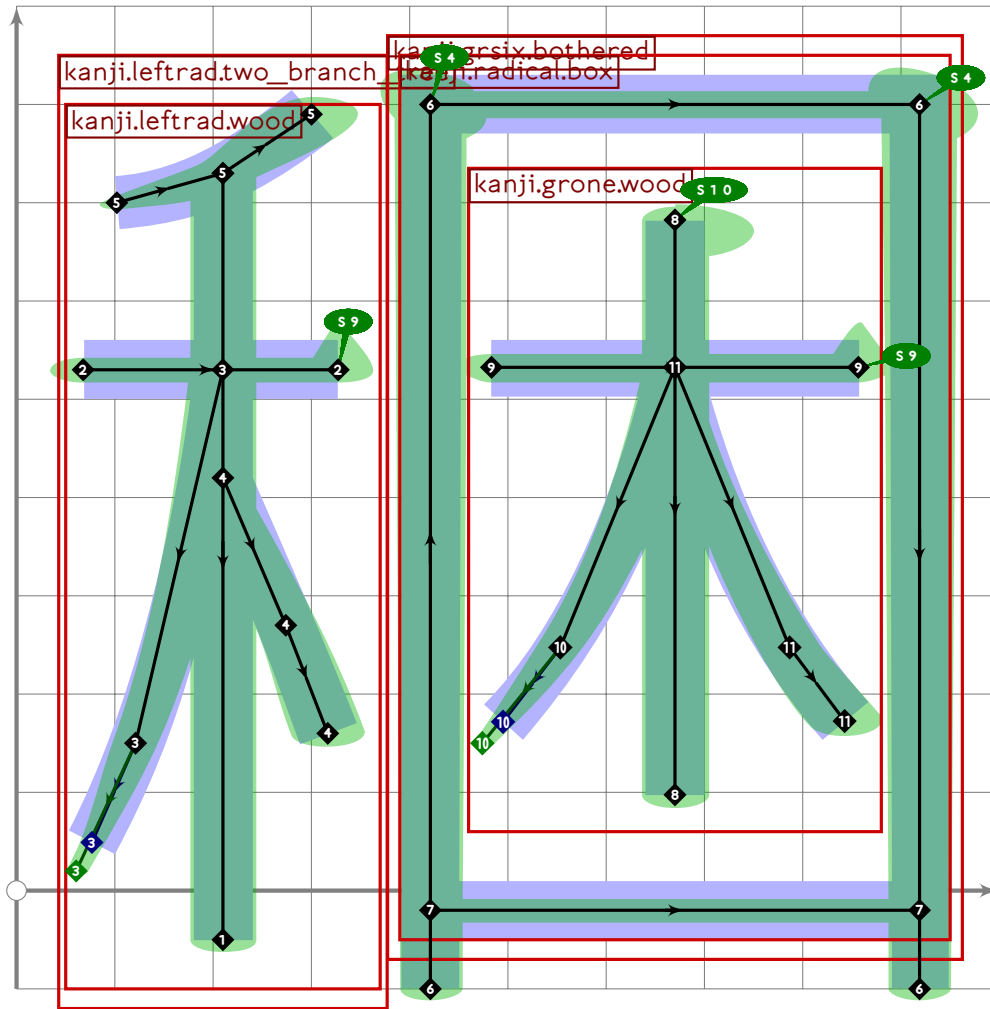


```

160 % extra
161 begint Suglyph("uni7A03";3);
162 tsu_render;
163 build_kanji.level(build_kanji.lr(420,30)
164   (kanji.leftrad.two_branch_tree)
165   (build_kanji.tb(580,0)
166     (kanji.toprad.paw)
167     (kanji.grone.child)));
168 tsu_render;
169 endtsuglyph;
170

```

7A

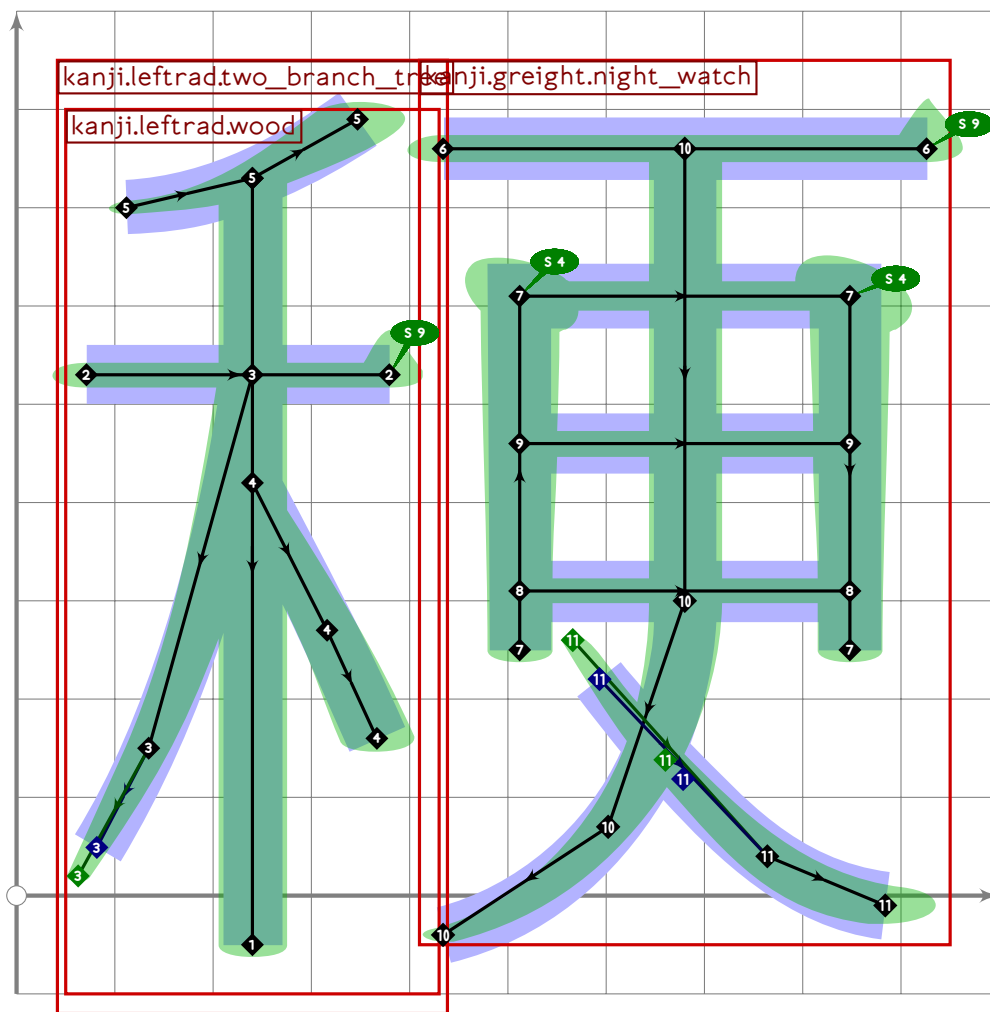


```

171 % extra
172 beginsuglyph("uni7A07";7);
173   build_kanji.level(build_kanji.lr(380,-20)
174     (kanji.leftrad.two_branch_tree)
175     (kanji.grsrx.bothered));
176   tsu_render;
177 endsuglyph;
178

```


U+7A09
tsuku.uni7A09

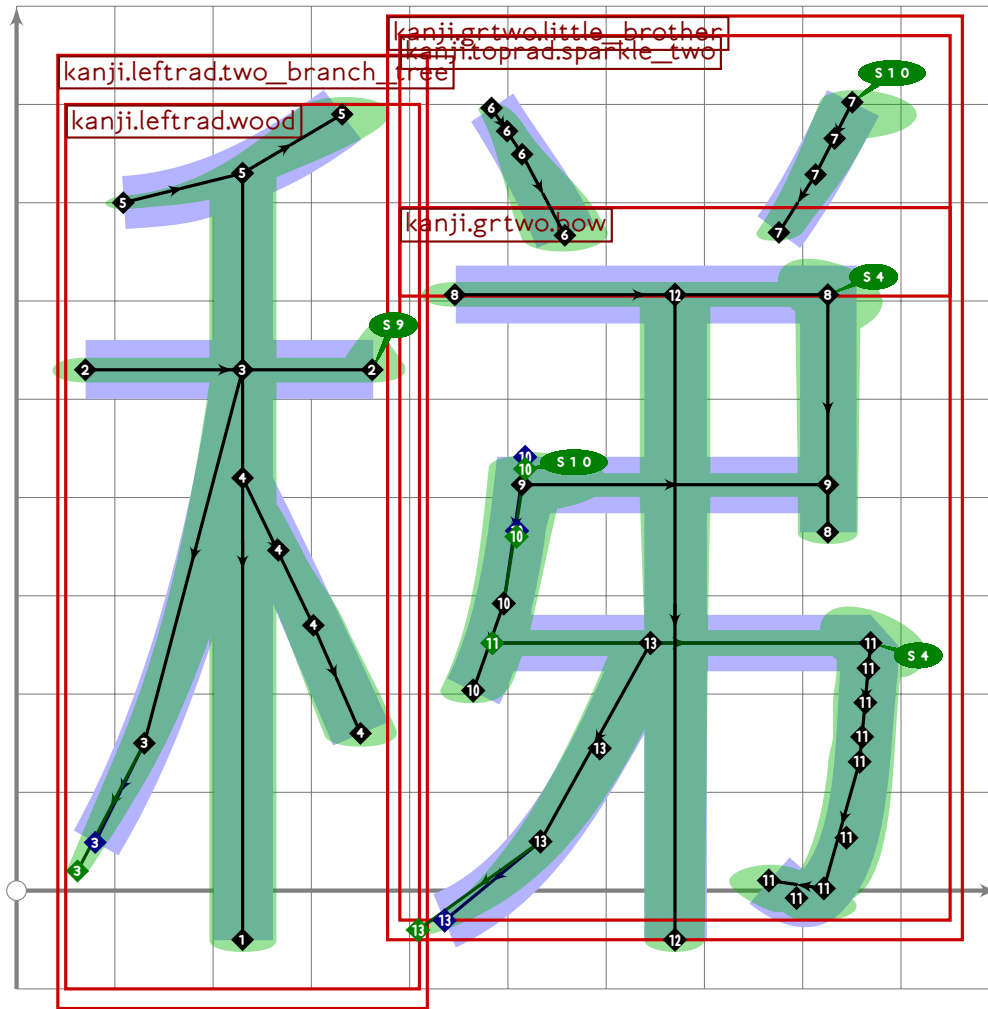


```

179 % extra
180 begintsuglyph("uni7A09";9);
181   build_kanji.lr(420,20)
182     (kanji.leftrad.two_branch_tree)
183     (kanji.greight.night_watch);
184   tsu_render;
185 endtsuglyph;
186

```

7A



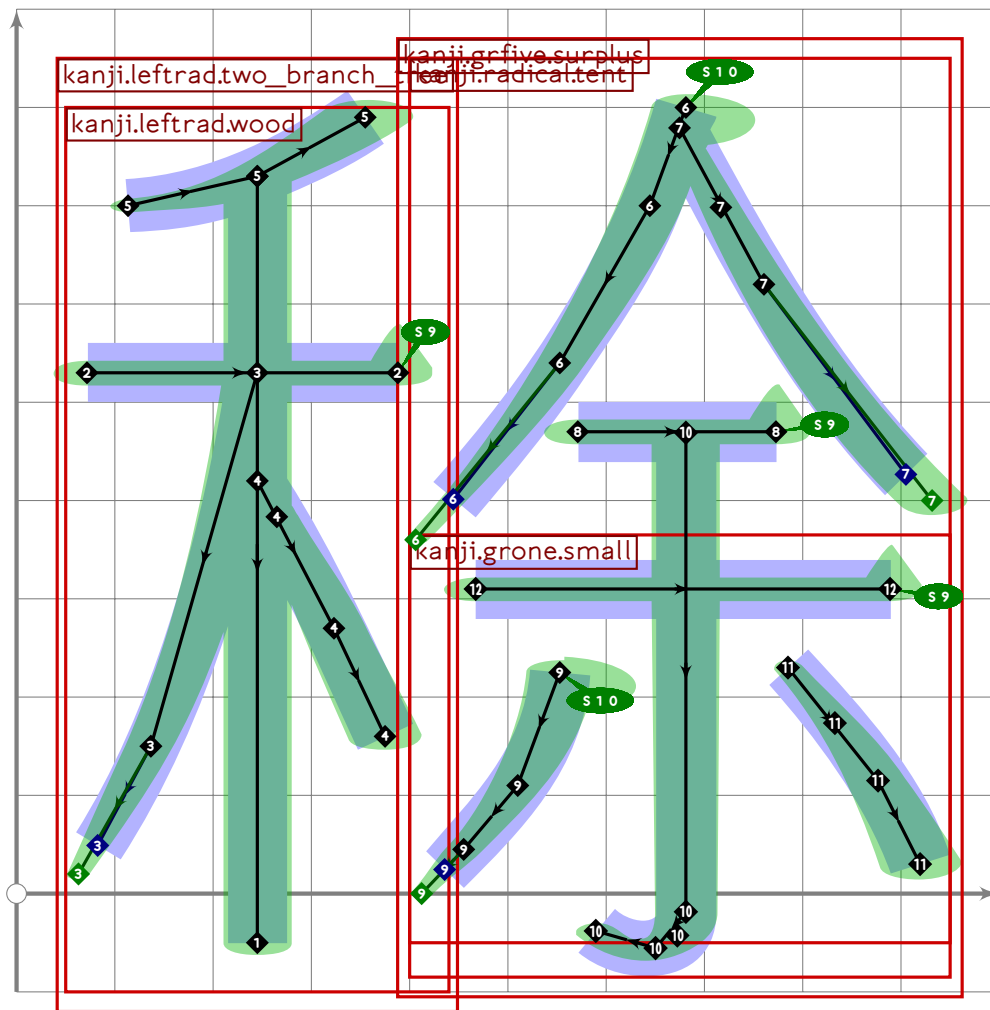
```

187 % extra
188 begintsuglyph("uni7A0A";10);
189 build_kanji.lr(400,20)
190 (kanji.leftrad.two_branch_tree)
191 (build_kanji.sscale(shifted (0,20))(kanji.grtwo.little_brother));
192 tsu_render;
193 endtsuglyph;
194
195 % tei/hodo "extent"
196 begintsuglyph("uni7A0B";11);
197 kanji.grfive.extent;
198 tsu_render;
199 endtsuglyph;
200

```

[see page 3233]

U+7A0C
tsuku.uni7A0C

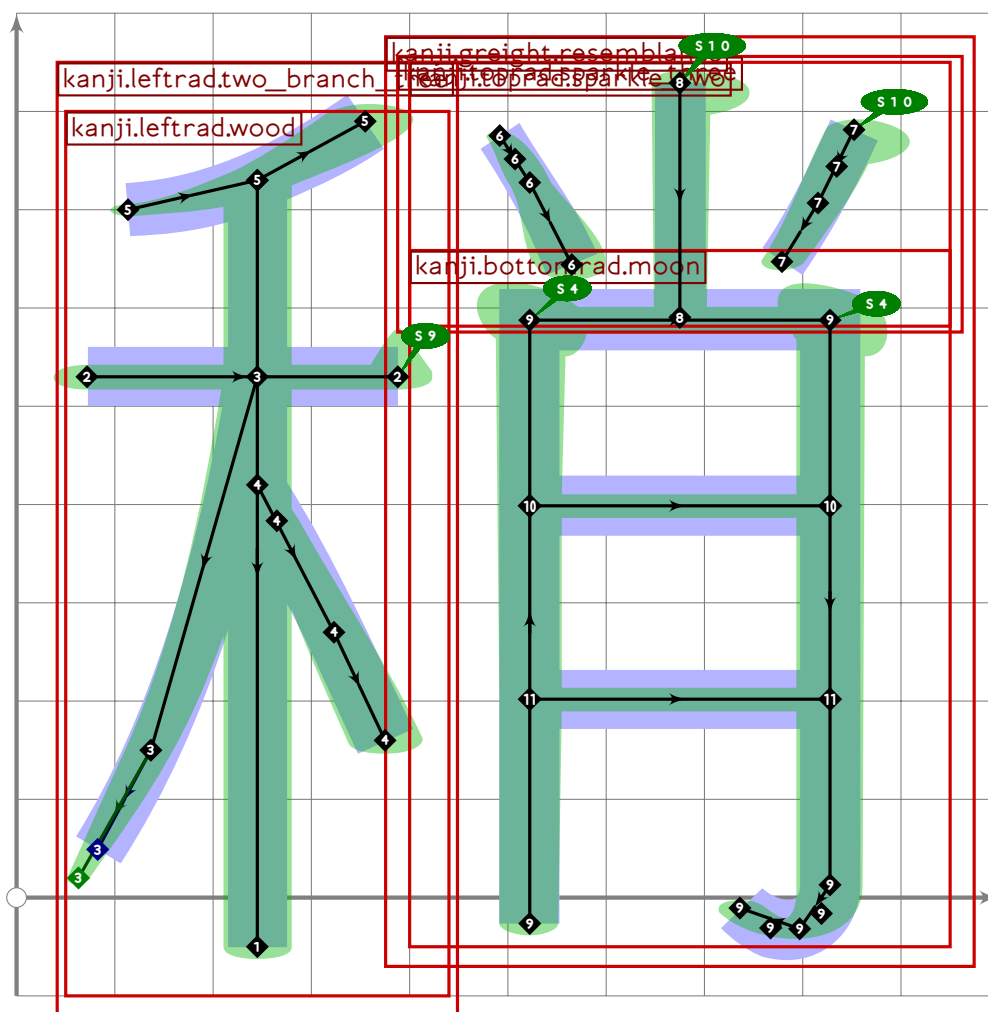


```

201 % extra
202 begintsuglyph("uni7A0C";12);
203   build_kanji.lr(420,40)
204     (kanji.leftrad.two_branch_tree)
205     (kanji.grfive.surplus);
206   tsu_render;
207 endtsuglyph;
208

```

7A



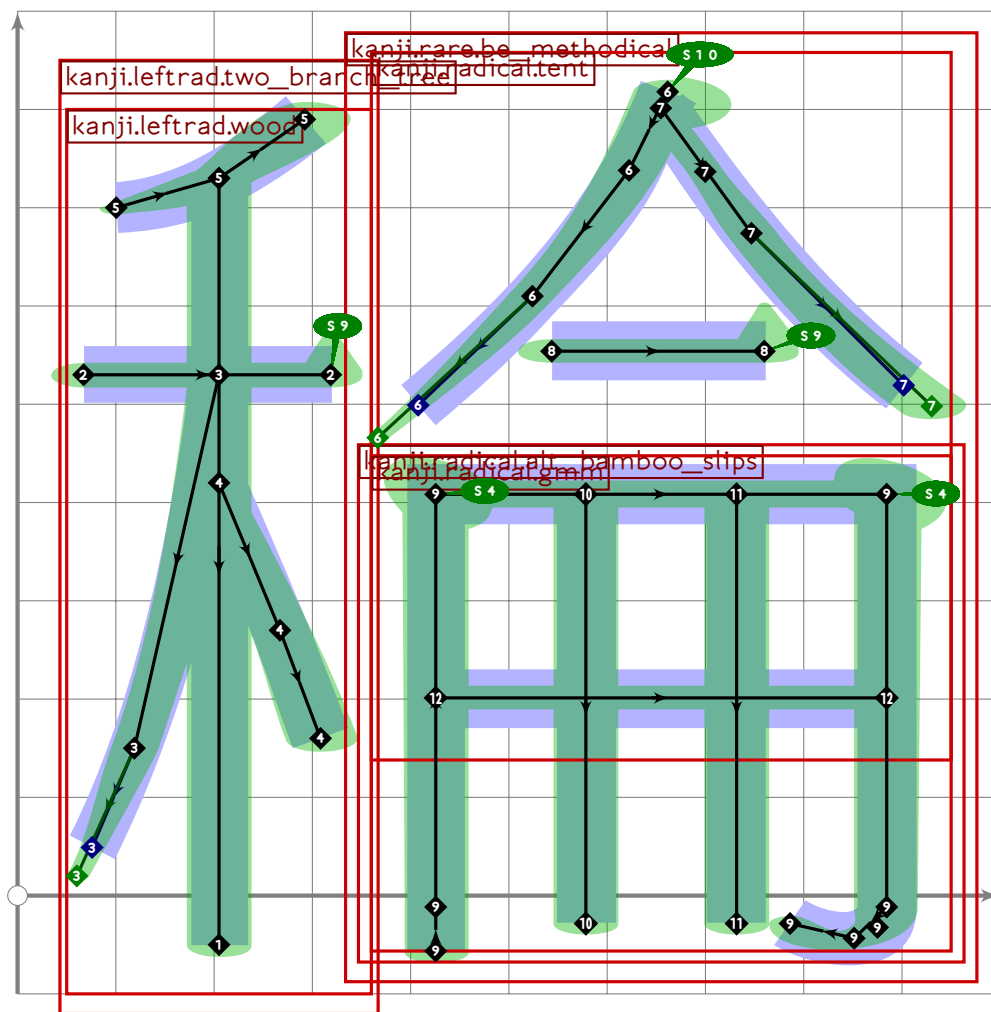
```

209 % extra
210 begintsuglyph("uni7A0D";13);
211   build_kanji.lr(420,40)
212     (kanji.leftrad.two_branch_tree)
213     (kanji.greight.resemblance);
214   tsu_render;
215 endtsuglyph;
216
217 % zei "tax"
218 begintsuglyph("uni7A0E";14);
219   kanji.grfive.tax;
220   tsu_render;
221 endtsuglyph;
222

```

[see page 3234]

U+7A10
tsuku.uni7A10

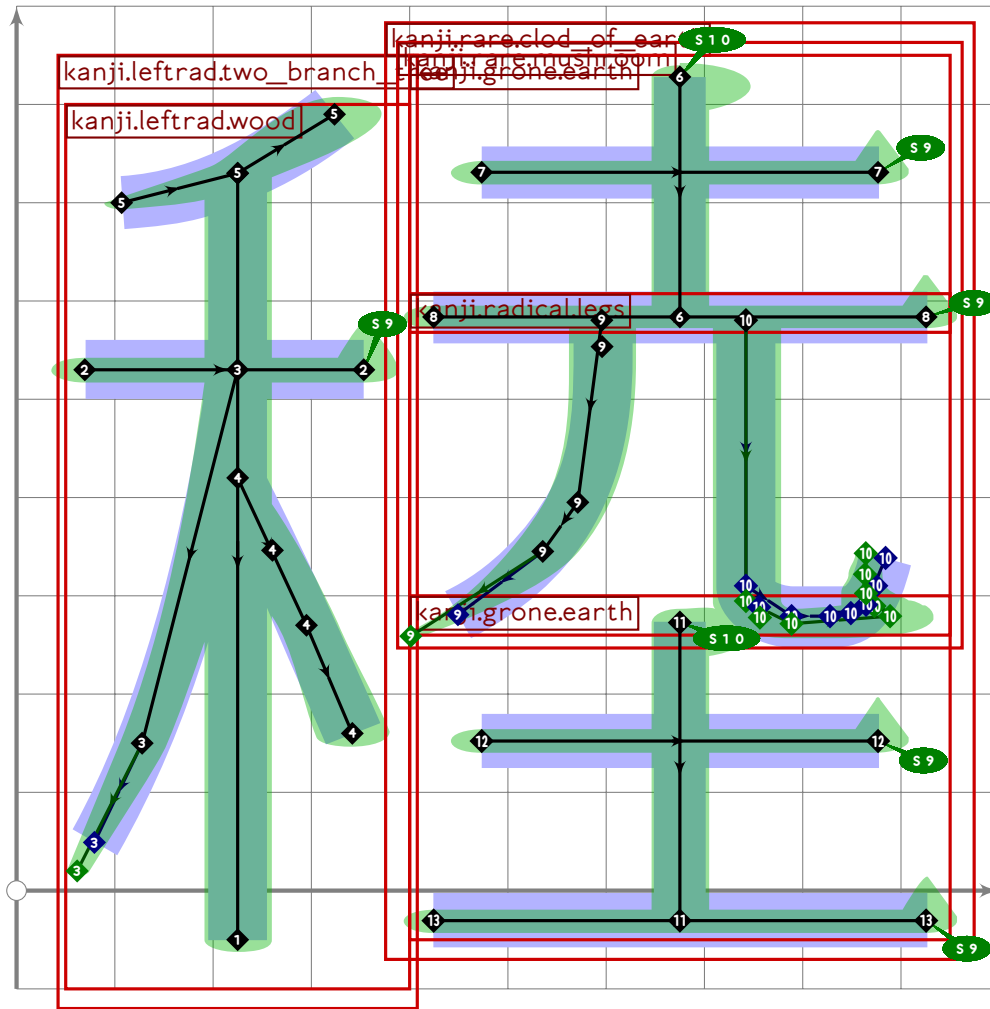


```

223 % extra
224 begintsuglyph("uni7A10",16);
225   build_kanji.lr(360,0)
226     (kanji.leftrad.two_branch_tree)
227     (kanji.rare.be_methodical);
228   tsu_render;
229 endtsuglyph;
230

```

7A

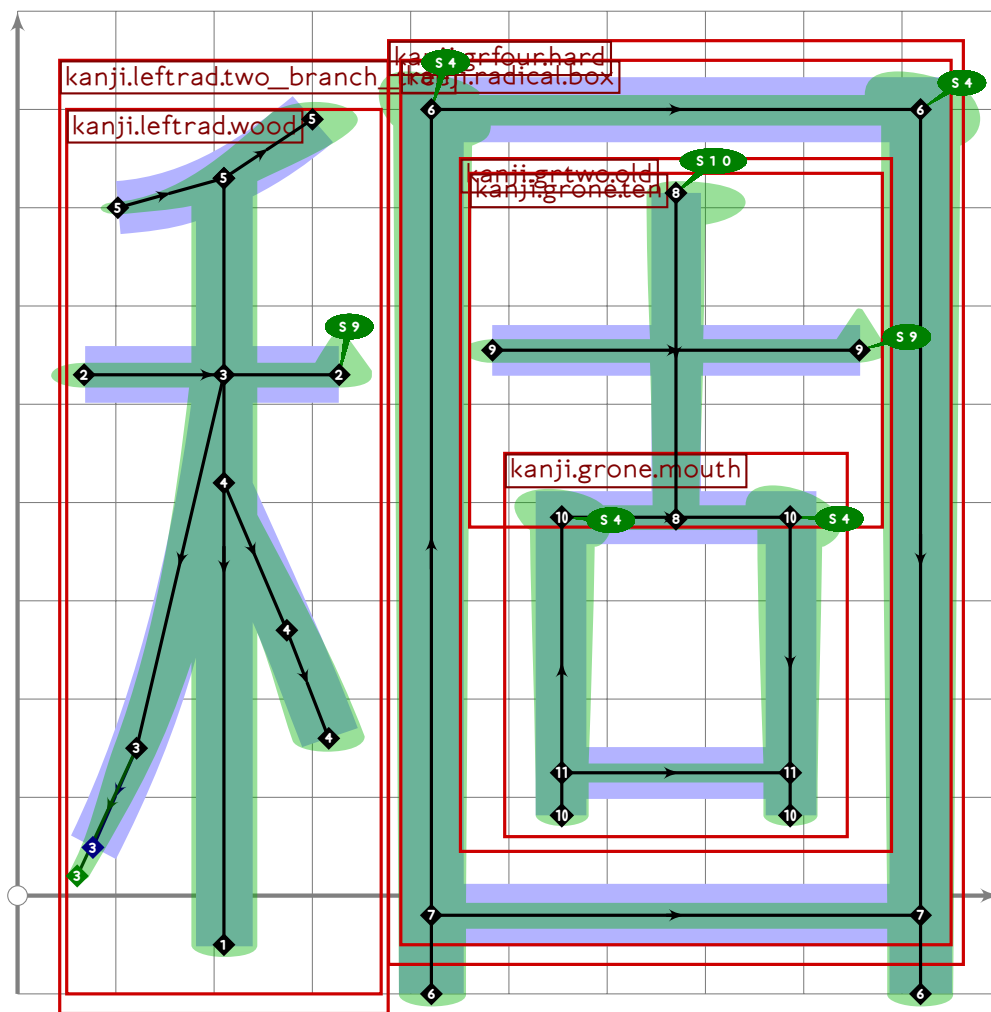


```

231 % extra
232 begintsuglyph("uni7A11",17);
233   build_kanji.lr(400,0)
234     (kanji.leftrad.two_branch_tree)
235     (kanji.rare.clod_of_earth);
236   tsu_render;
237 endsuglyph;
238

```

U+7A12
tsuku.uni7A12

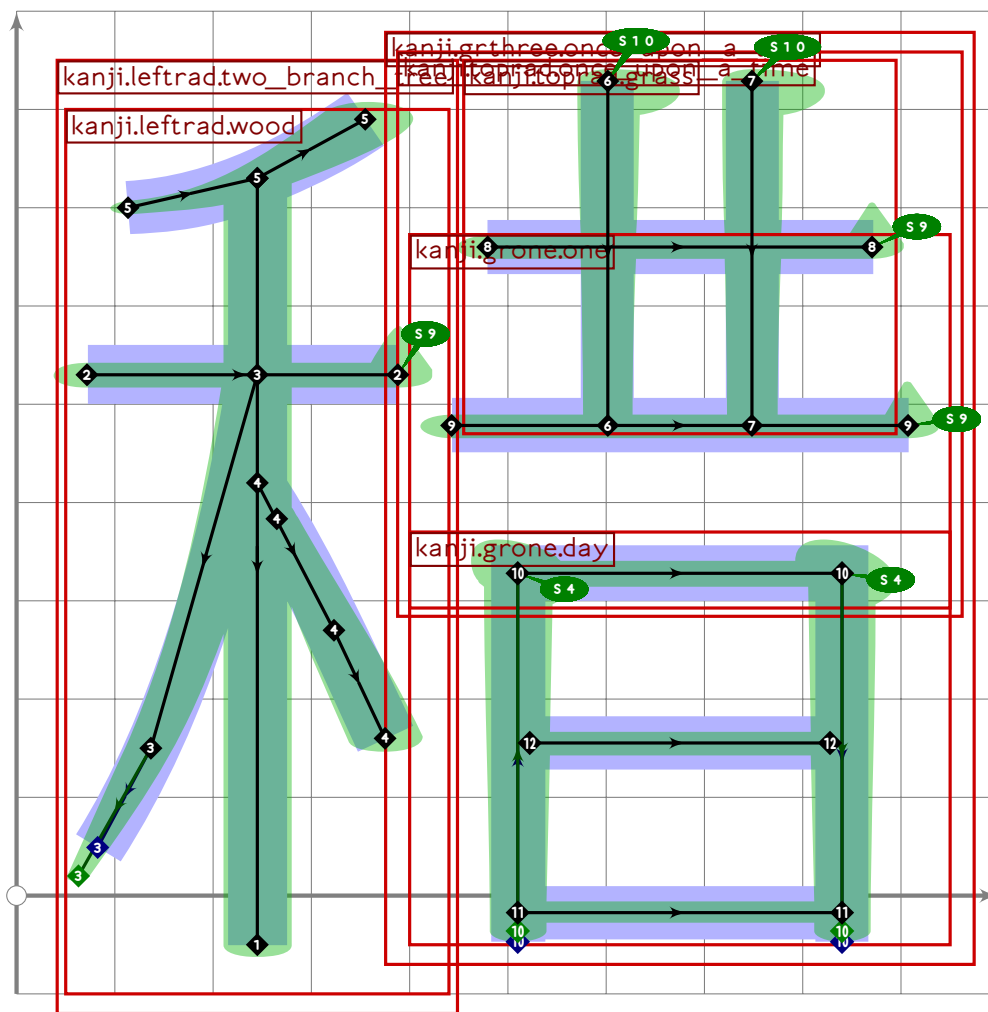


```

239 % extra
240 begintsuglyph("uni7A12";18);
241   build_kanji.lr(380;20)
242     (kanji.leftrad.two_branch_tree)
243     (kanji.grfour.hard);
244   tsu_render;
245 endtsuglyph;
246

```

7A

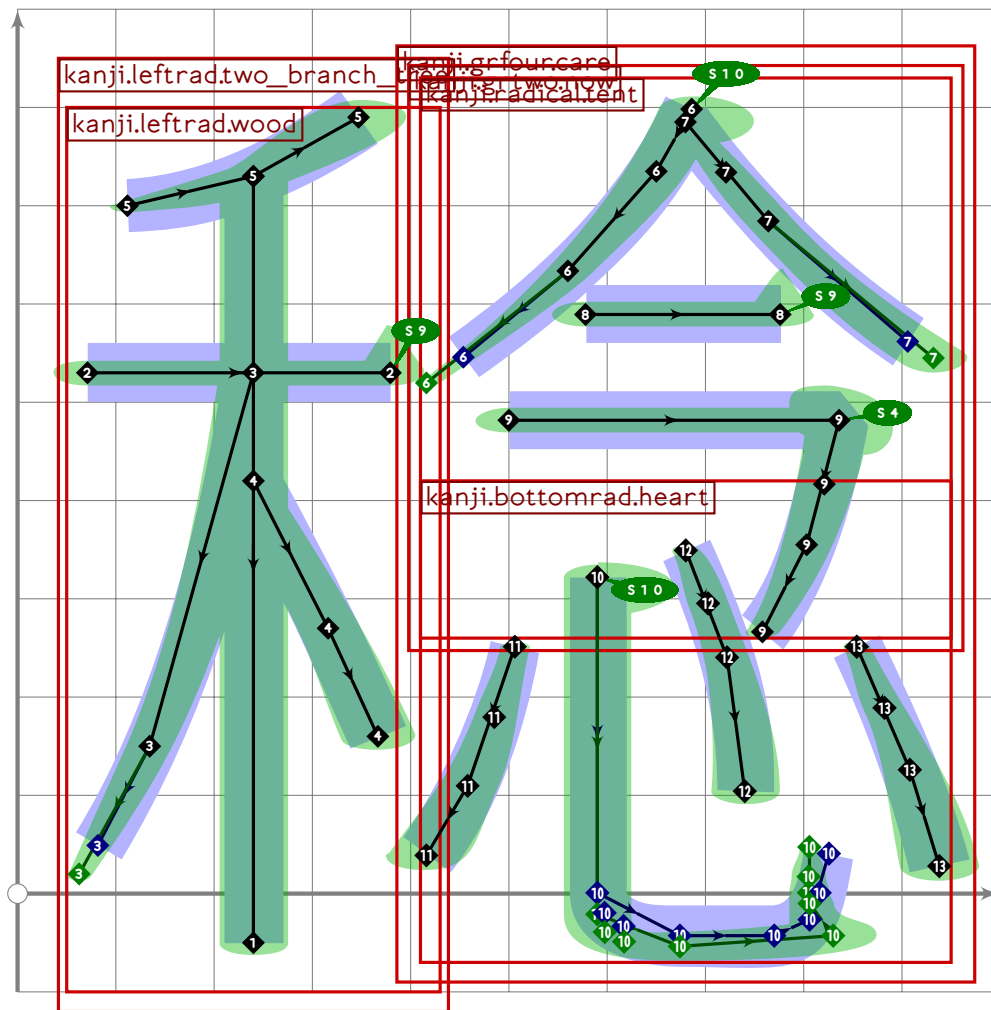


```

247 % extra
248 begintsuglyph("uni7A13";19);
249   build_kanji.lr(420,40)
250     (kanji.leftrad.two_branch_tree)
251     (kanji.grthree.once_upon_a_time);
252   tsu_render;
253 endtsuglyph;
254

```


U+7A14
tsuku.uni7A14

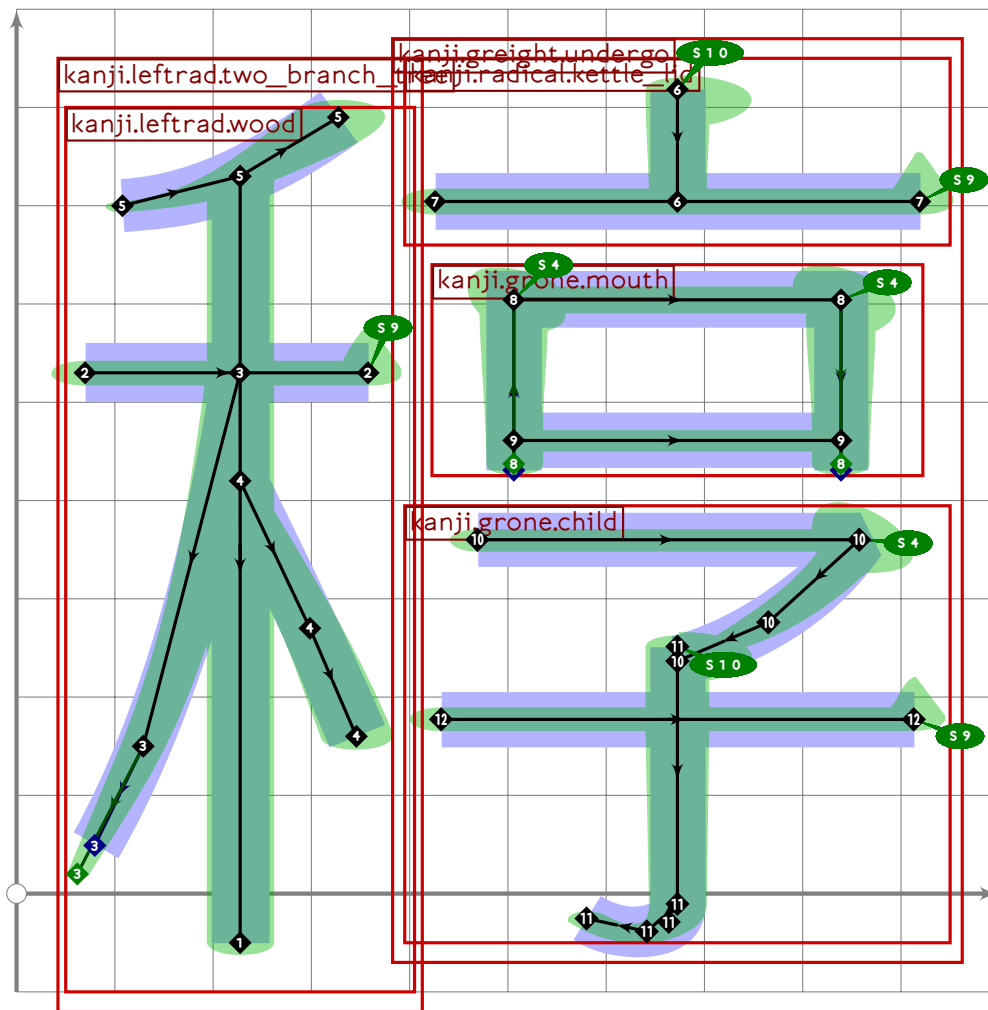


```

255 % extra
256 begintsuglyph("uni7A14";20);
257   build_kanji.lr(420,20)
258     (kanji.leftrad.two_branch_tree)
259     (build_kanji.sscale(shifted (0,-20))(kanji.grfour.care));
260   tsu_render;
261 endtsuglyph;
262

```

7A

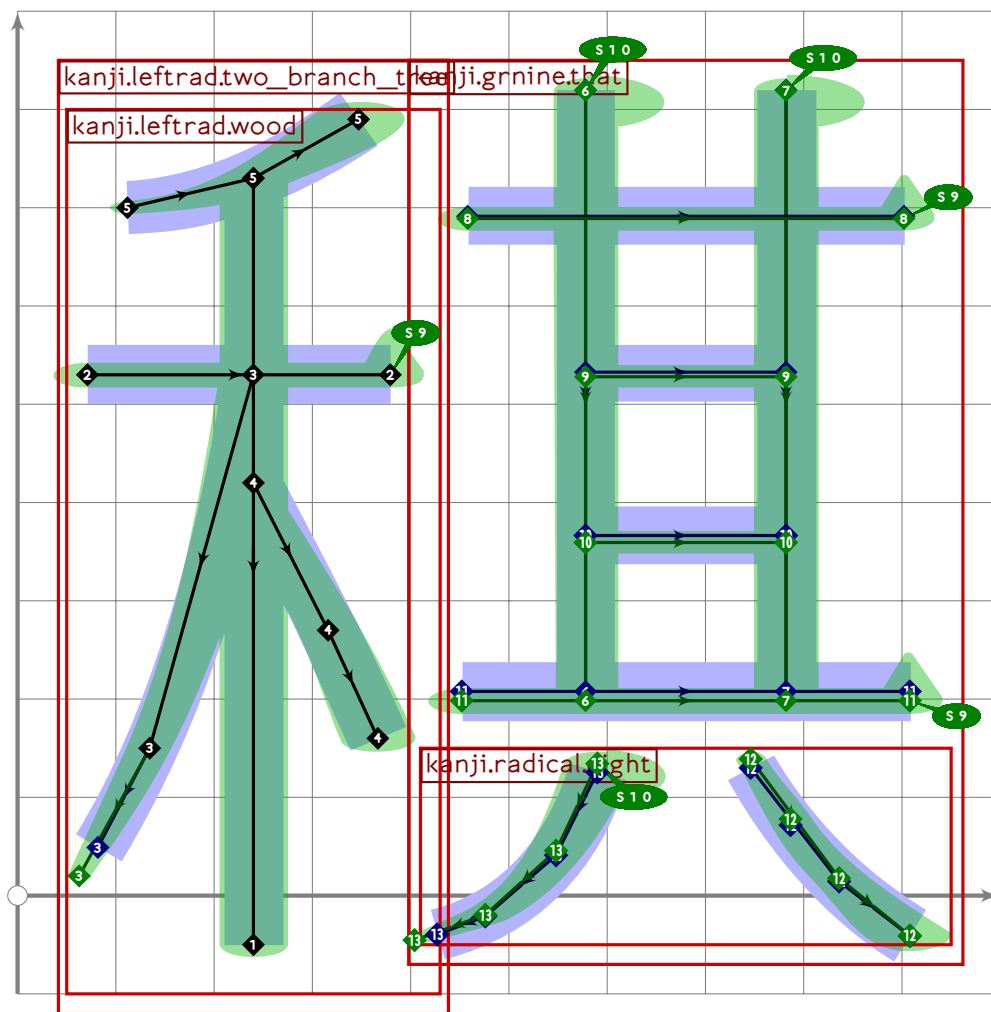


```

263 % extra
264 begintsuglyph("uni7A15";21);
265   build_kanji.lr(400,10)
266     (kanji.leftrad.two_branch_tree)
267     (kanji.greight.undergo);
268   tsu_render;
269 endtsuglyph;
270

```

U+7A18
tsuku.uni7A18

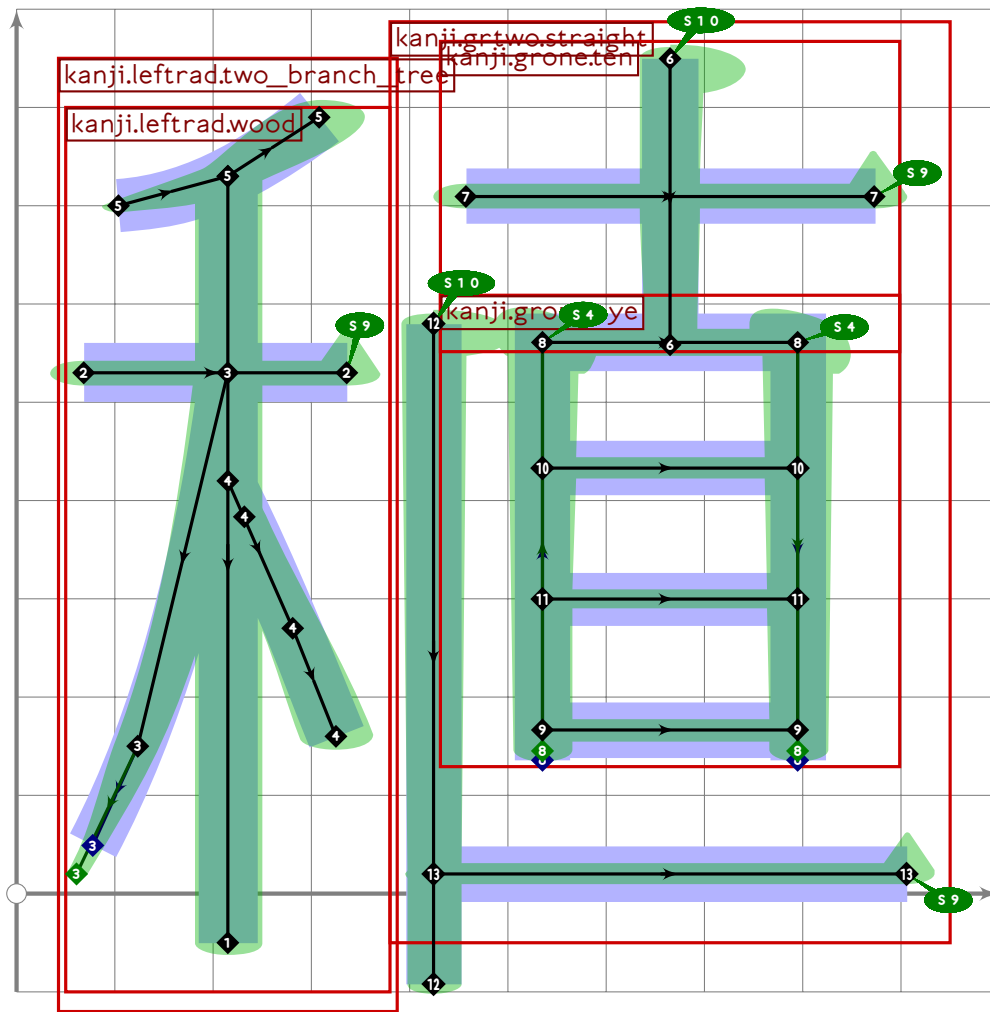


```

271 % extra
272 begintsuglyph("uni7A18";24);
273   build_kanji.lr(420,20)
274     (kanji.leftrad.two_branch_tree)
275     (kanji.grnine.that);
276   tsu_render;
277 endtsuglyph;
278

```

7A

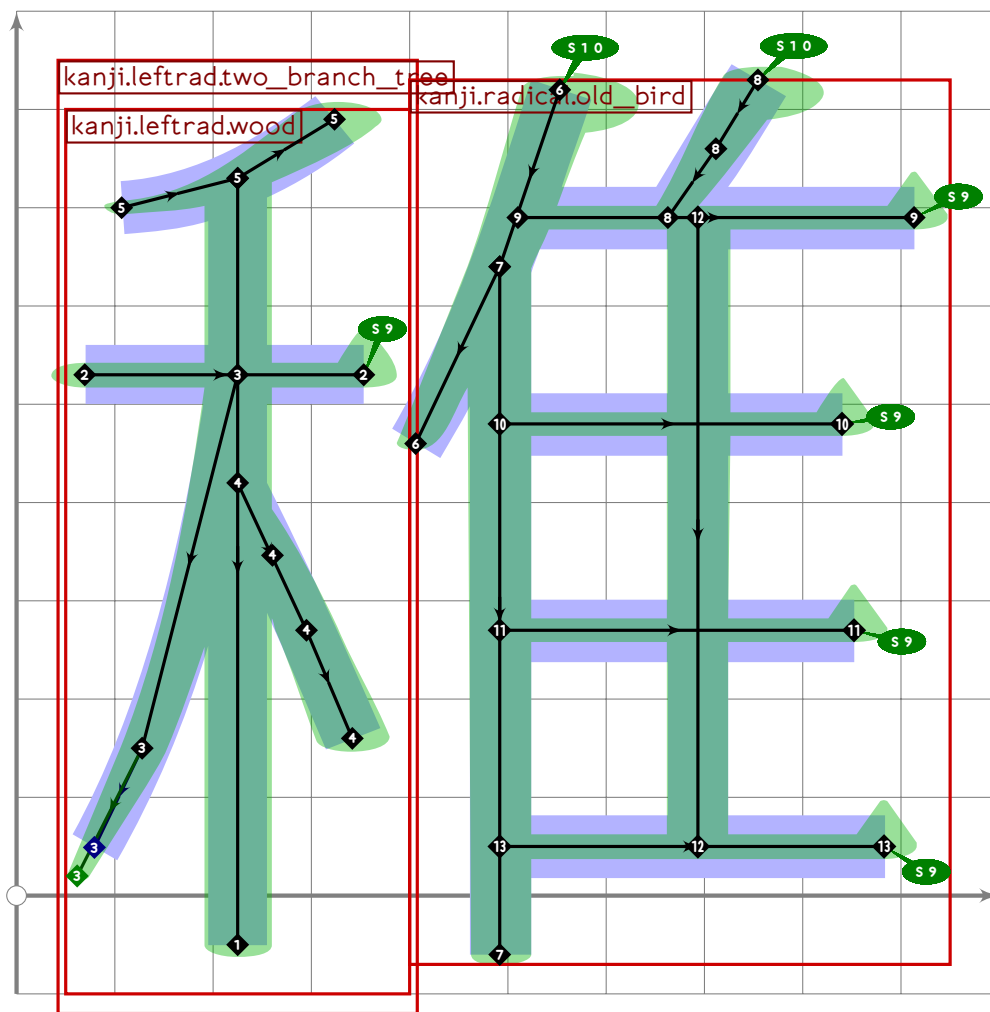


```

279 % extra
280 begintsuglyph("uni7A19";25);
281   build_kanji.lr(380,00)
282     (kanji.leftrad.two_branch_tree)
283     (kanji.grtwo.straight);
284   tsu_render;
285 endtsuglyph;
286

```

U+7A1A
tsuku.uni7A1A

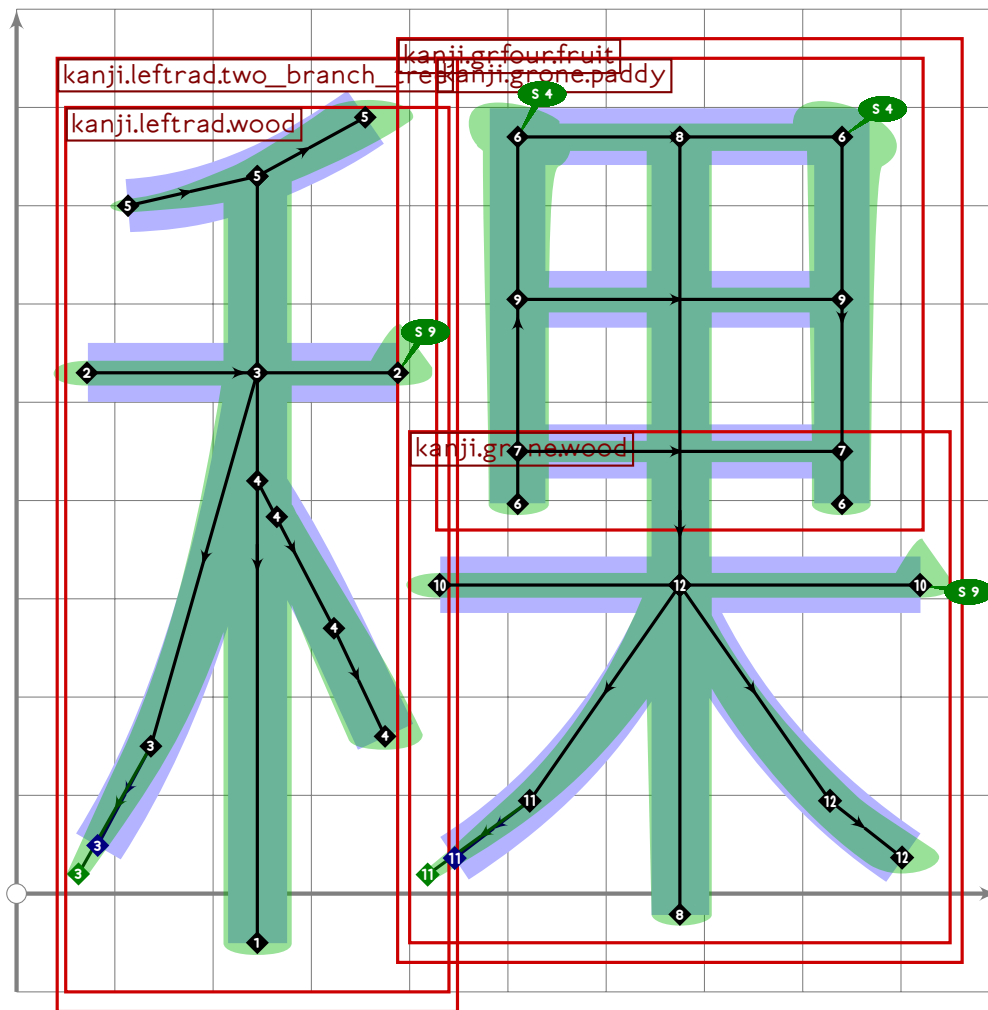


```

287 % extra
288 begintsuglyph("uni7A1A";26);
289   build_kanji.lr(400,0)
290     (kanji.leftrad.two_branch_tree)
291     (build_kanji.sscale(shifted (0,-20))(kanji.radical.old_bird));
292   tsu_render;
293 endtsuglyph;
294

```

7A

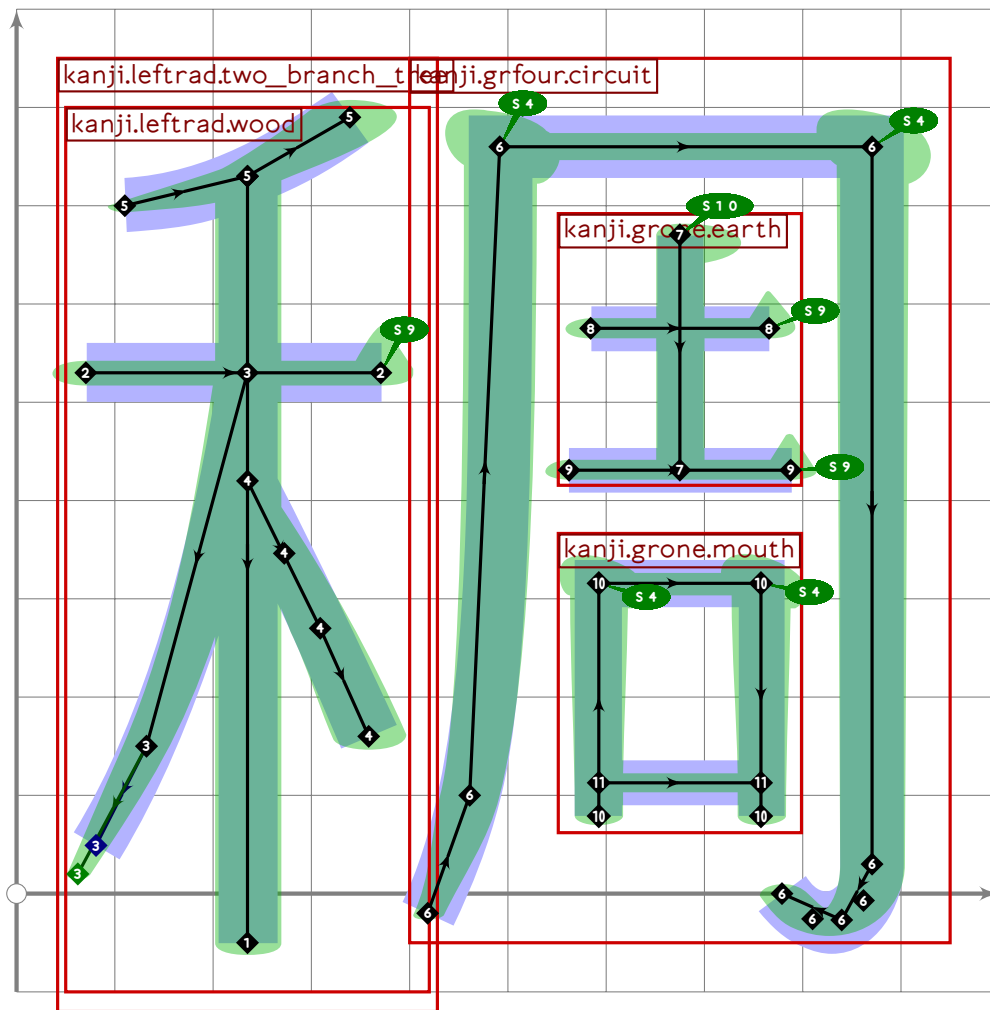


```

295 % extra
296 begintsuglyph("uni7A1E";30);
297   build_kanji.lr(420,40)
298     (kanji.leftrad.two_branch_tree)
299     (kanji.grfour.fruit);
300   tsu_render;
301 endtsuglyph;
302

```

U+7A20
tsuku.uni7A20

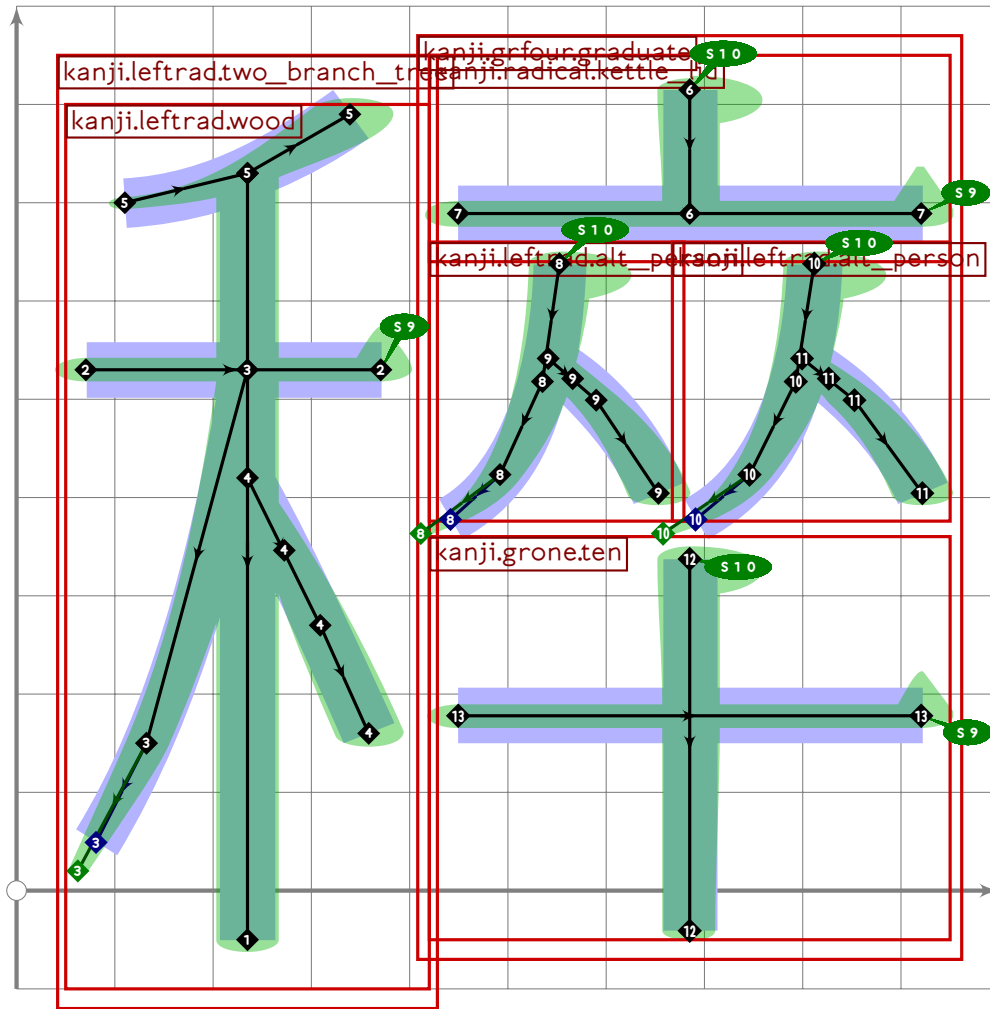


```

303 % extra
304 begintsuglyph("uni7A20",32);
305   build_kanji.lr(410,20)
306     (kanji.leftrad.two_branch_tree)
307     (kanji.grfour.circuit);
308   tsu_render;
309 endtsuglyph;
310

```

7A

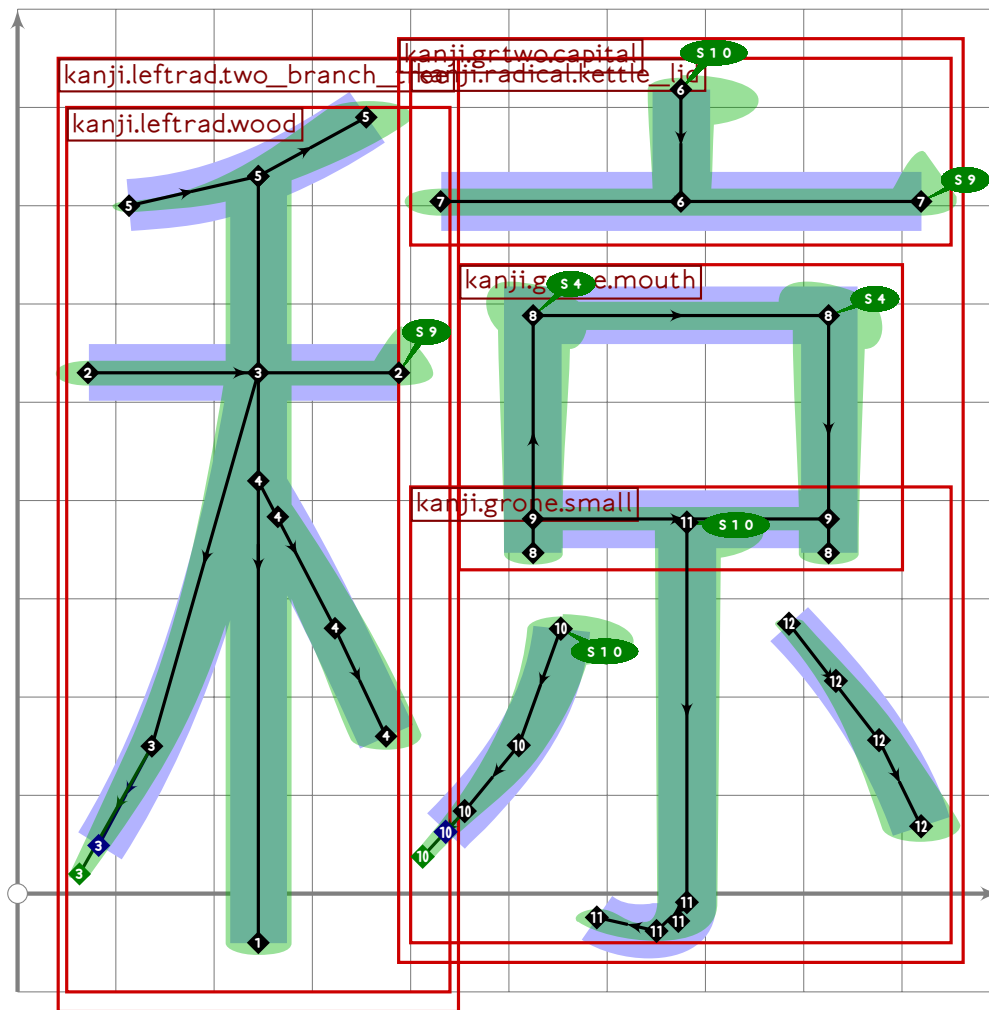


```

311 % extra
312 begintsuglyph("uni7A21";33);
313   build_kanji.level(build_kanji.lr(420,0)
314     (kanji.leftrad.two_branch_tree)
315     (kanji.grfour.graduate));
316   tsu_render;
317 endtsuglyph;
318

```


U+7A24
tsuku.uni7A24

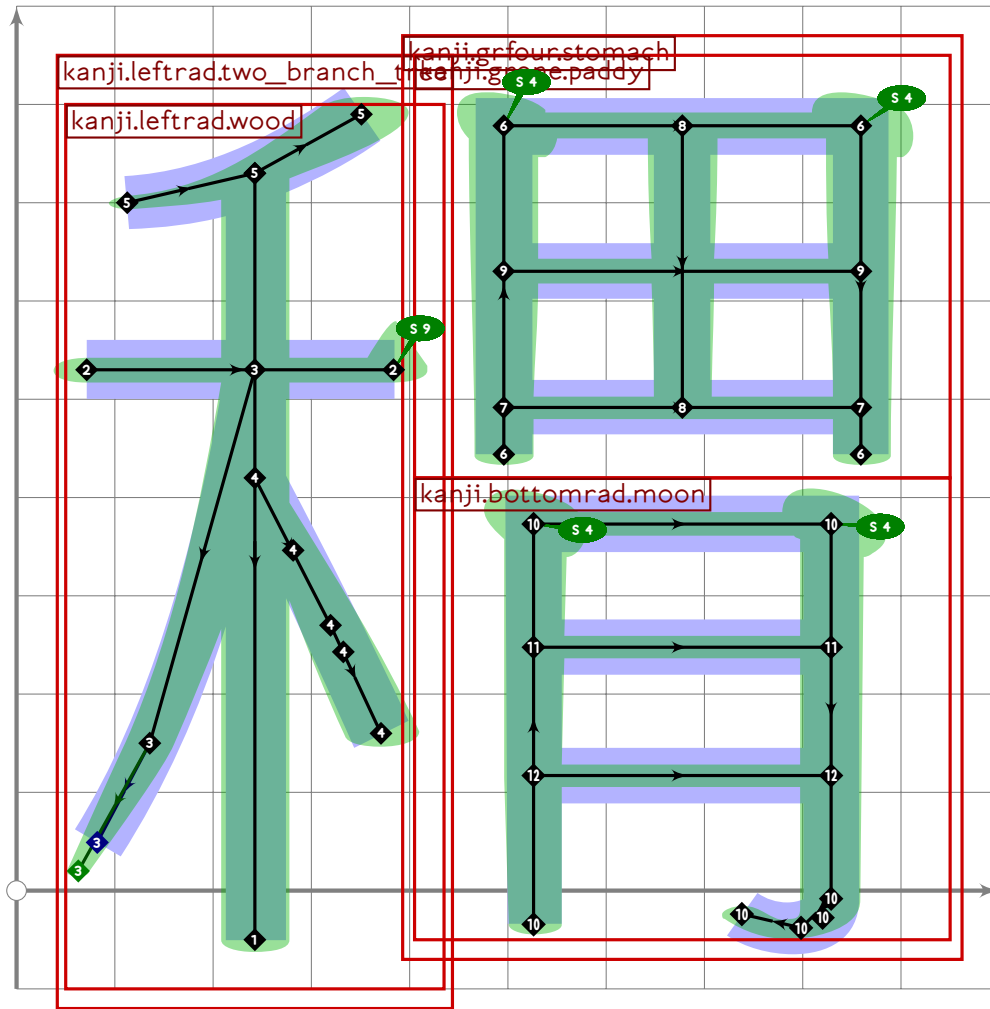


```

319 % extra
320 begintsuglyph("uni7A24";36);
321   build_kanji.level(build_kanji.lr(420,40)
322     (kanji.leftrad.two_branch_tree)
323     (kanji.grtwo.capital));
324   tsu_render;
325 endtsuglyph;
326

```

7A

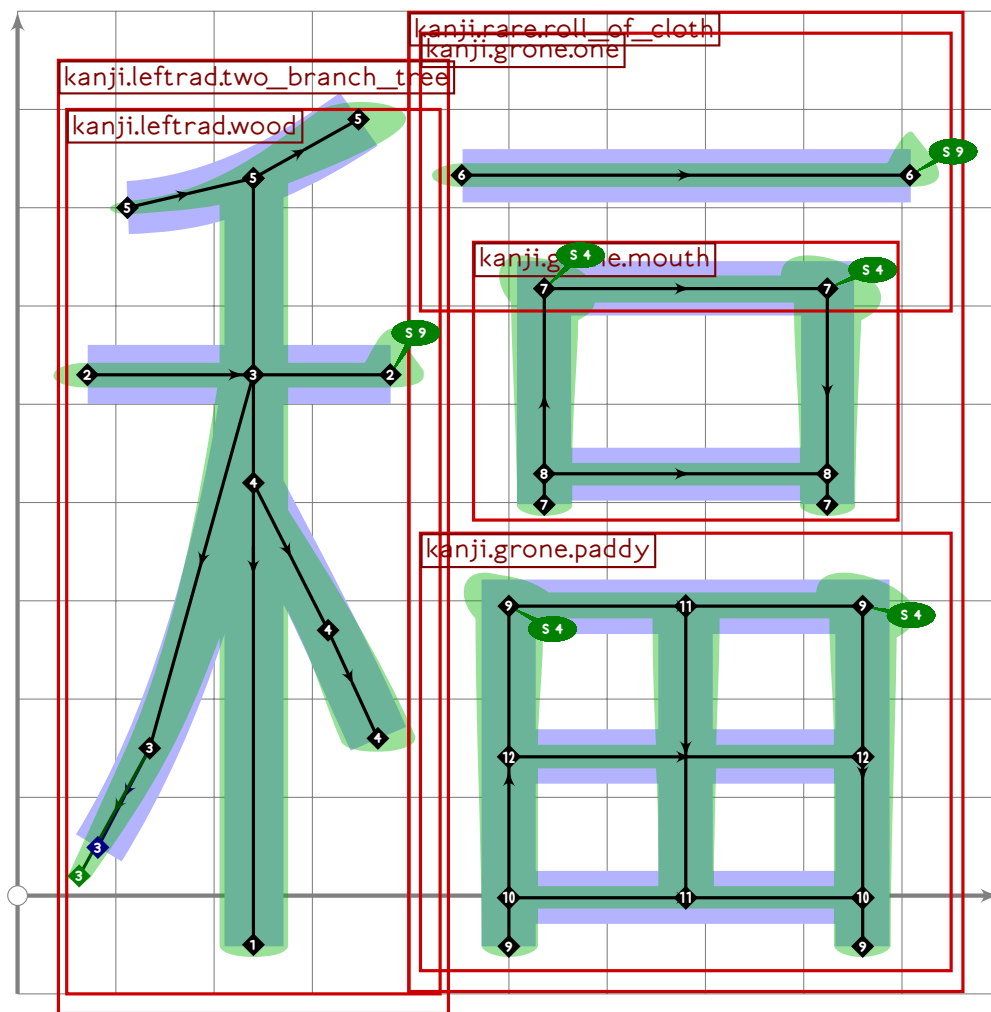


```

327 % extra
328 begintsuglyph("uni7A29";41);
329   build_kanji.lr(420,30)
330     (kanji.leftrad.two_branch_tree)
331     (kanji.grfour.stomach);
332   tsu_render;
333 endtsuglyph;
334

```

U+7A2B
tsuku.uni7A2B

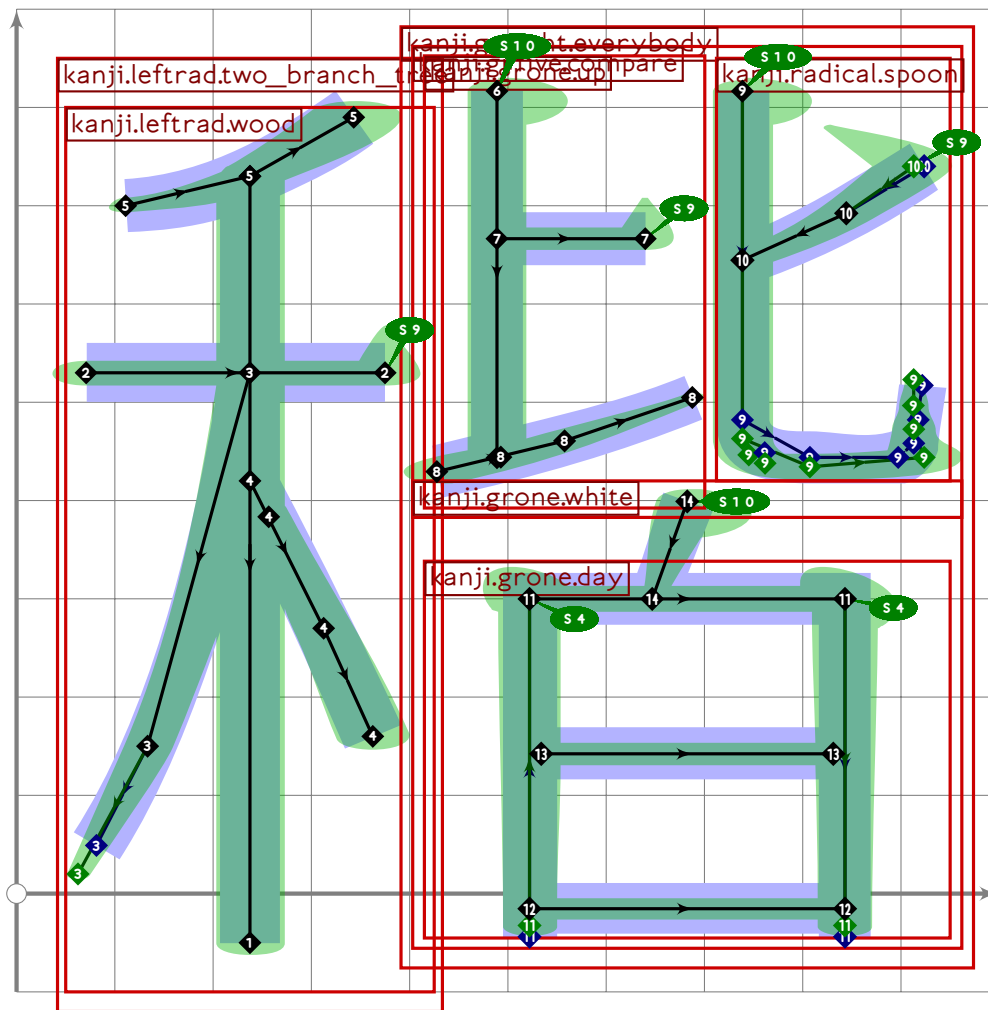


```

335 % extra
336 begintsuglyph("uni7A2B";43);
337   build_kanji.lr(420,20)
338     (kanji.leftrad.two_branch_tree)
339     (build_kanji.sscale(yscaled 1.06)(kanji.rare.roll_of_cloth));
340   tsu_render;
341 endtsuglyph;
342

```

7A

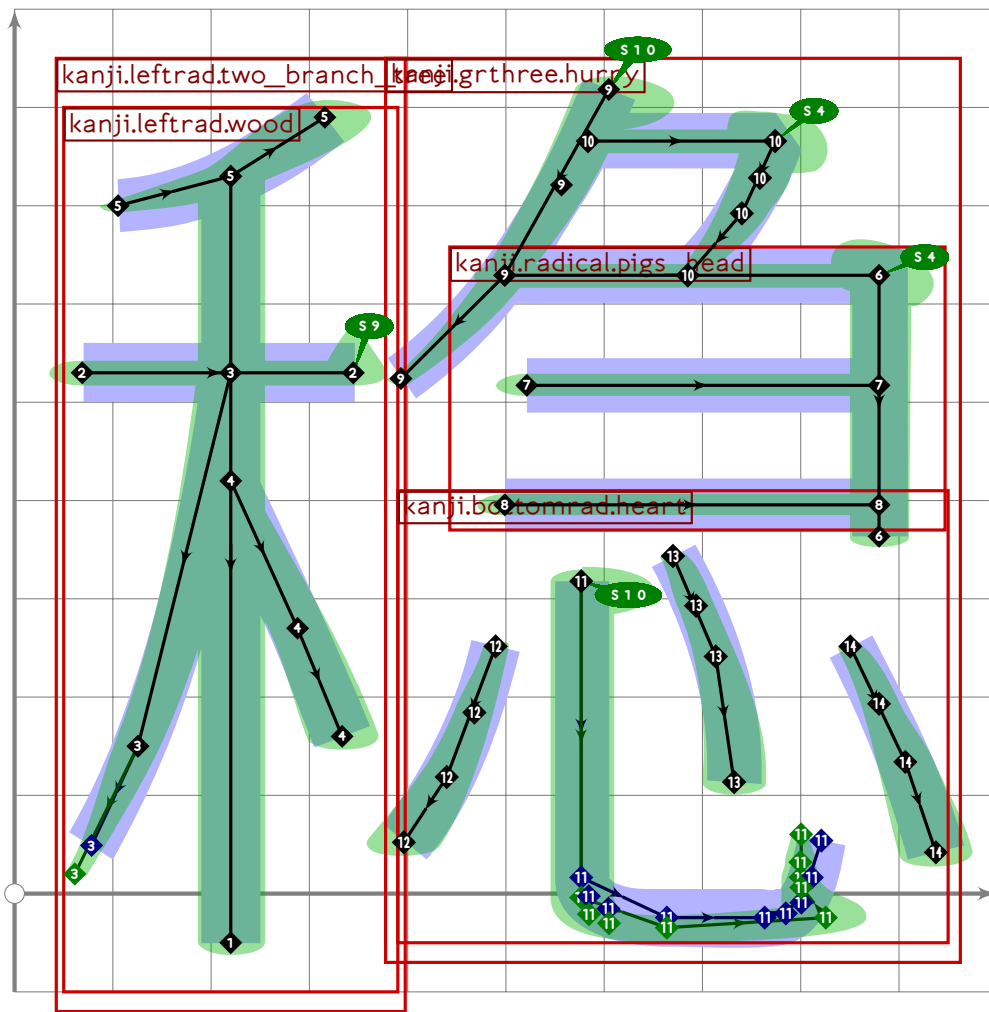


```

343 % extra
344 begintsuglyph("uni7A2D";45);
345   build_kanji.lr(420,10)
346     (kanji.leftrad.two_branch_tree)
347     (kanji.greight.everybody);
348   tsu_render;
349 endtsuglyph;
350
351 % shu/tane "seed"
352 begintsuglyph("uni7A2E";46);
353   kanji.grfour.seed;
354   tsu_render;
355 endtsuglyph;
356

```

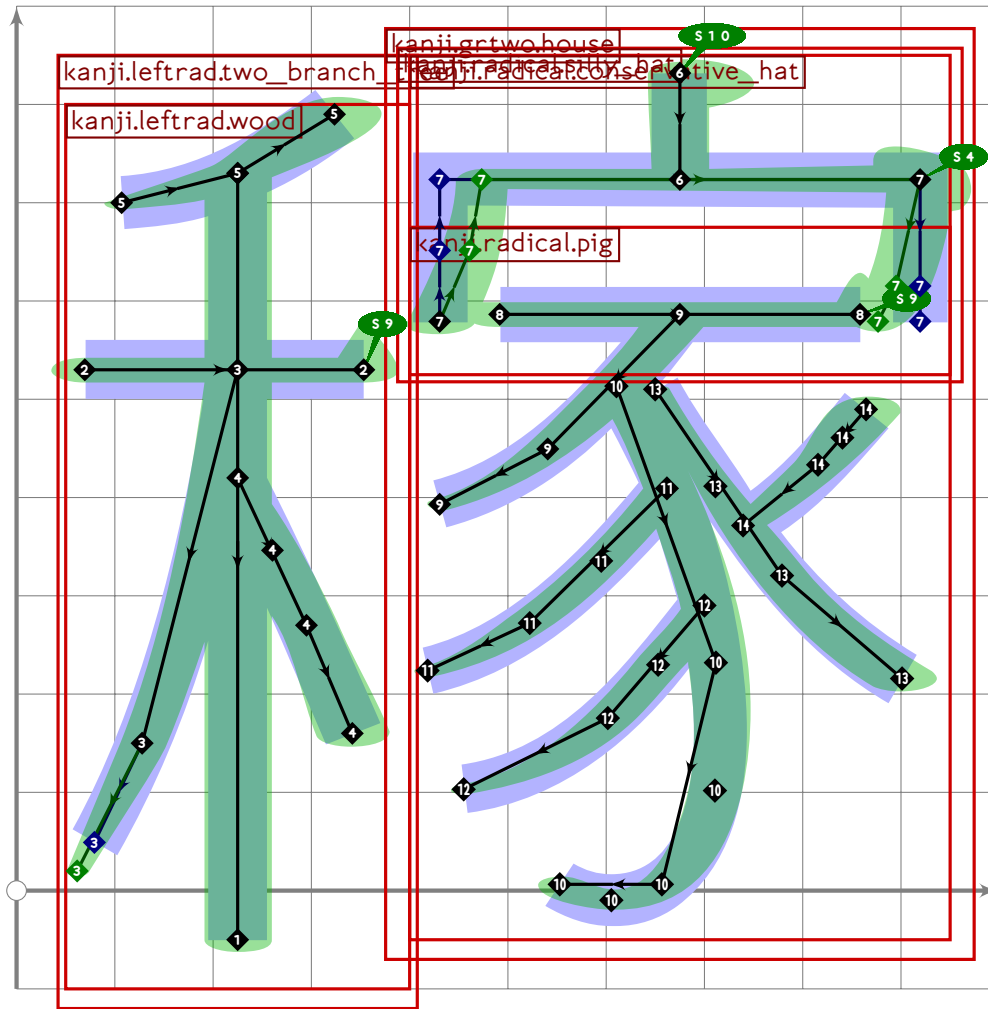
[see page 3232]



```

357 % extra
358 begintsuglyph("uni7A33";51);
359     build_kanji.lr(390,0)
360         (kanji.leftrad.two_branch_tree)
361         (kanji.grthree.hurry);
362     tsu_render;
363 endtsuglyph;
364

```

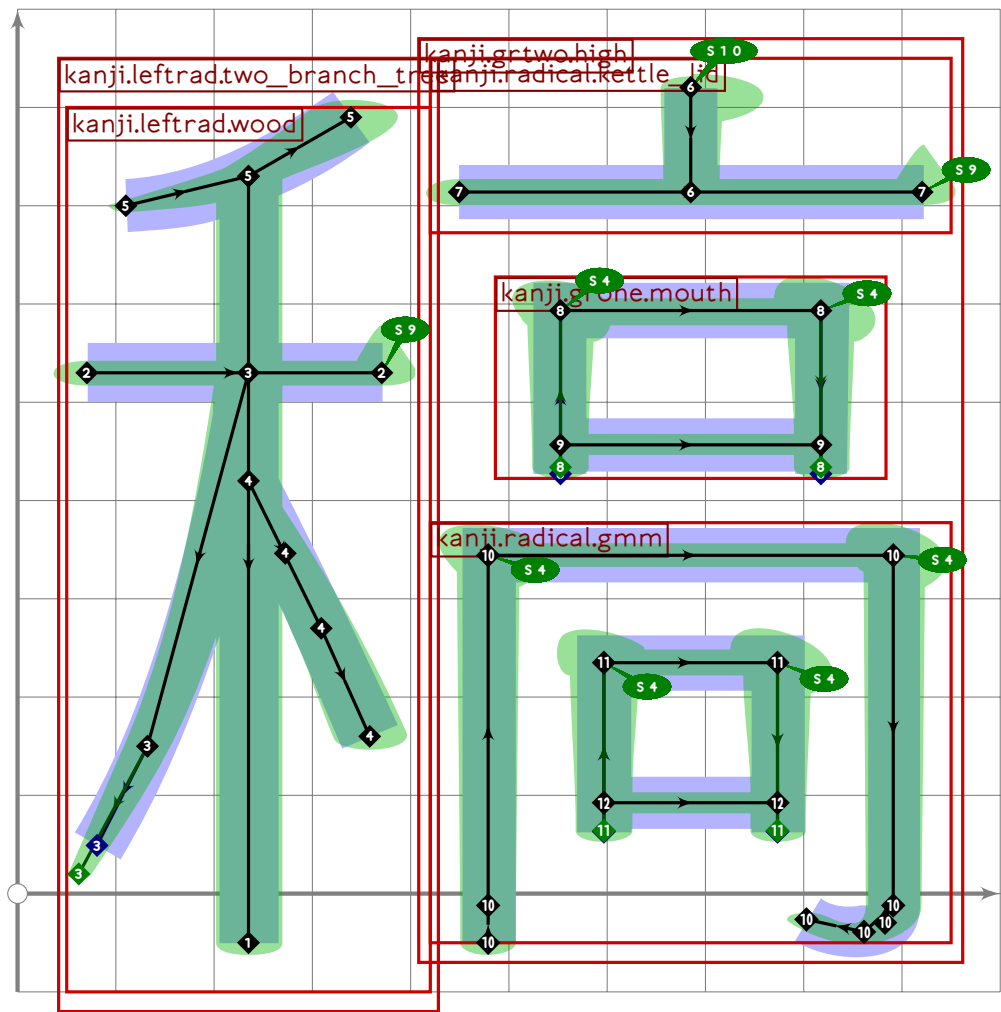


```

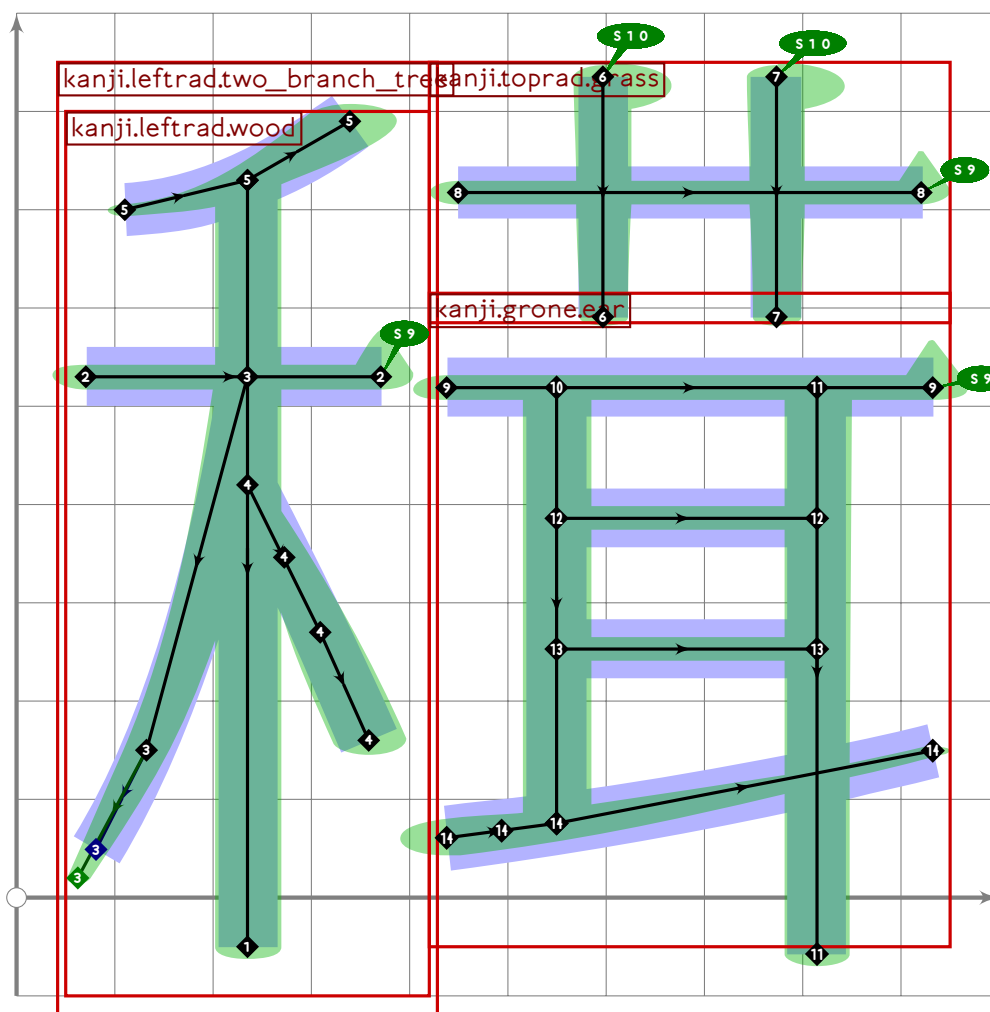
365 % extra
366 begintsuglyph("uni7A3C",60);
367   build_kanji.lr(400,0)
368     (kanji.leftrad.two_branch_tree)
369     (kanji.grtwo.house);
370   tsu_render;
371 endtsuglyph;
372

```

U+7A3F
tsuku.uni7A3F



```
373 % extra
374 begintuglyph("uni7A3F",63);
375   build_kanji.lr(420,0)
376     (kanji.leftrad.two_branch_tree)
377     (kanji.grtwo.high);
378   tsu_render;
379 endtsuglyph;
380
```

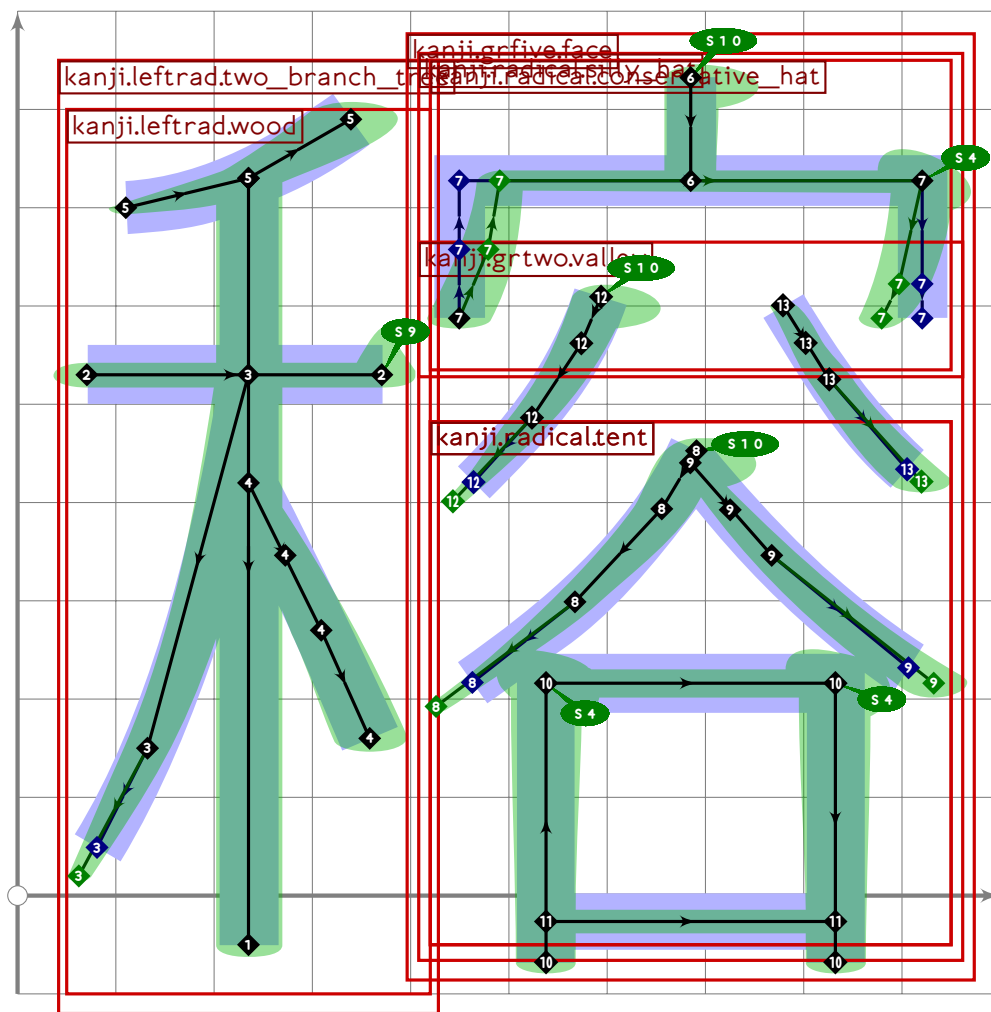


```

381 % extra
382 begintsuglyph("uni7A41",65);
383   build_kanji.lr(420,0)
384     (kanji.leftrad.two_branch_tree)
385     (build_kanji.tb(600,30)
386       (kanji.toprad.grass)
387       (kanji.grone.ear));
388   tsu_render;
389 endtsuglyph;
390

```


U+7A43
tsuku.uni7A43

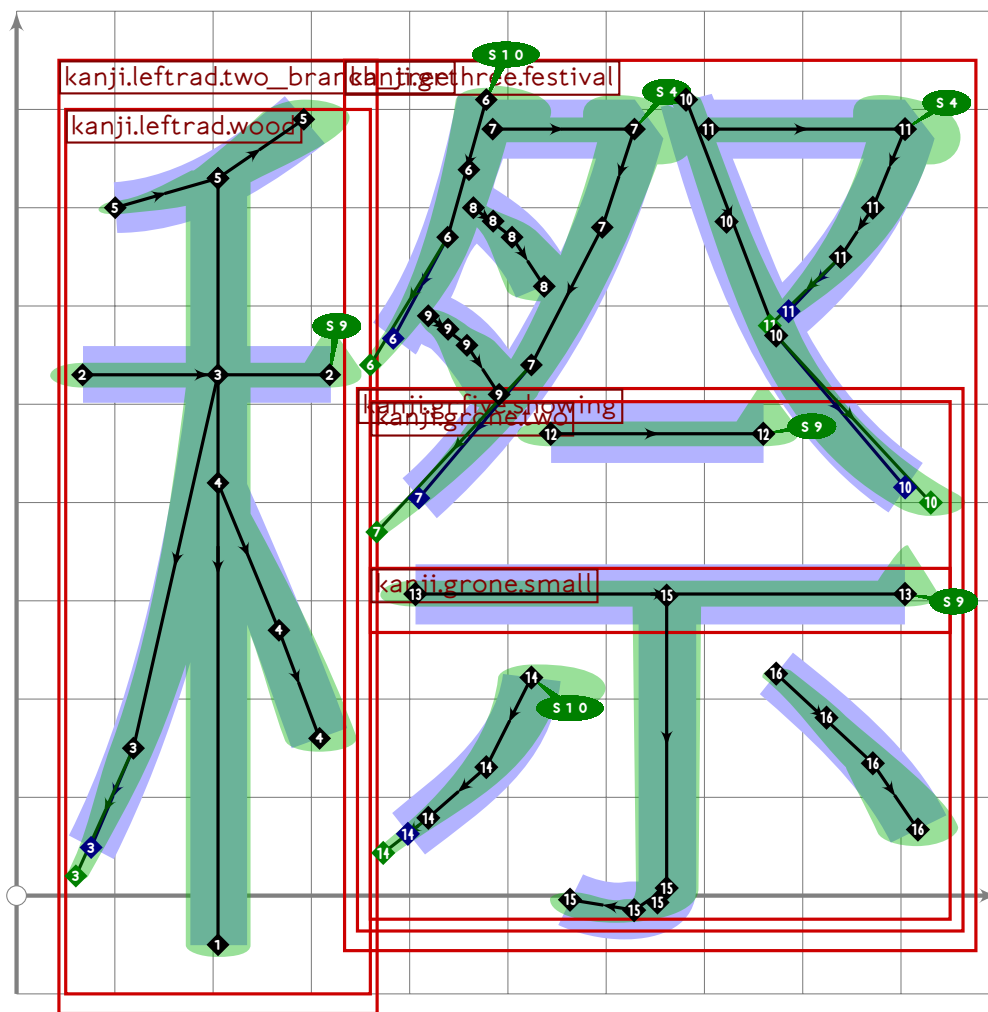


```

391 % extra
392 begintuglyph("uni7A43",67);
393   build_kanji.lr(420,0)
394     (kanji.leftrad.two_branch_tree)
395     (kanji.grfive.face);
396   tsu_render;
397 endtuglyph;
398

```

7A

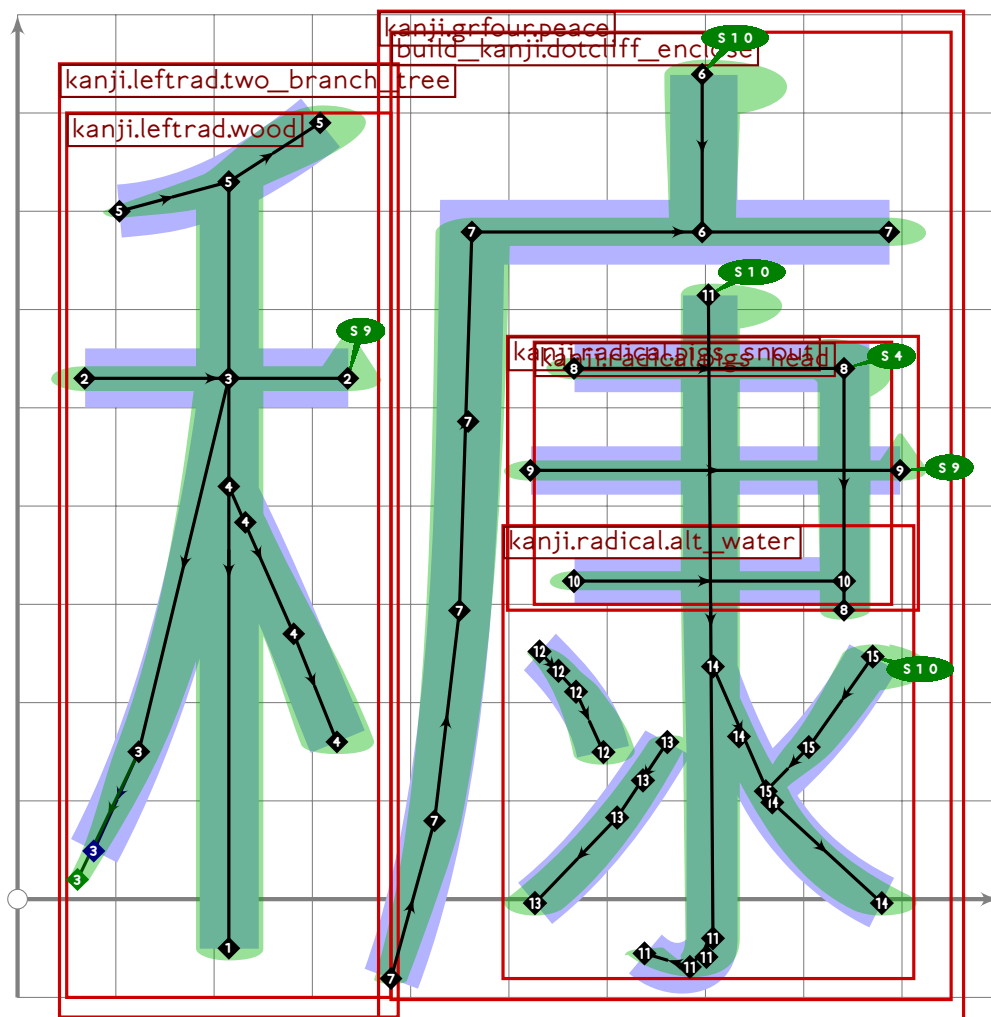


```

399 % extra
400 begintsuglyph("uni7A44";68);
401   build_kanji.lr(360,0)
402     (kanji.leftrad.two_branch_tree)
403     (kanji.grthree.festival);
404   tsu_render;
405 endtsuglyph;
406

```

U+7A45
tsuku.uni7A45

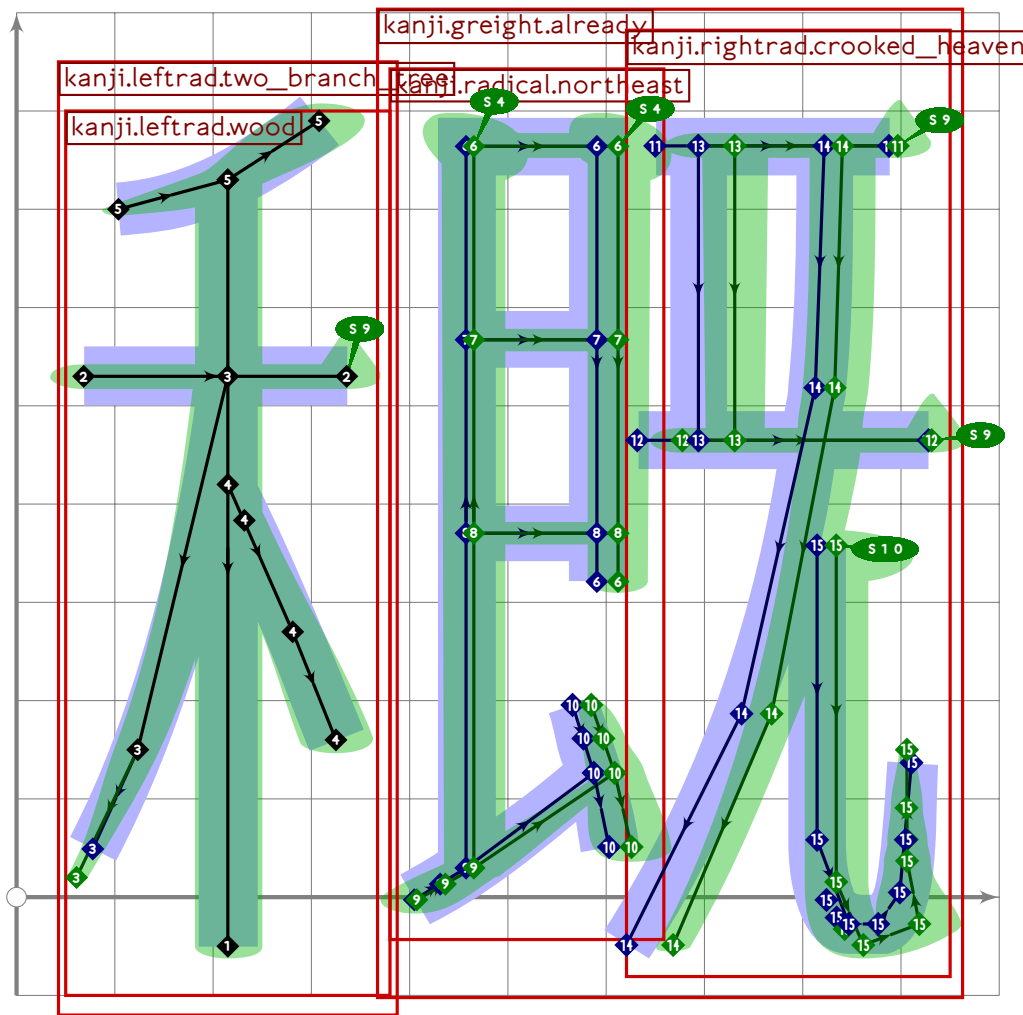


```

407 % extra
408 begintsuglyph("uni7A45",69);
409   build_kanji.lr(380,0)
410     (kanji.leftrad.two_branch_tree)
411     (build_kanji.sscale(yscaled 1.07)(kanji.grfour.peace));
412   tsu_render;
413 endtsuglyph;
414

```

7A



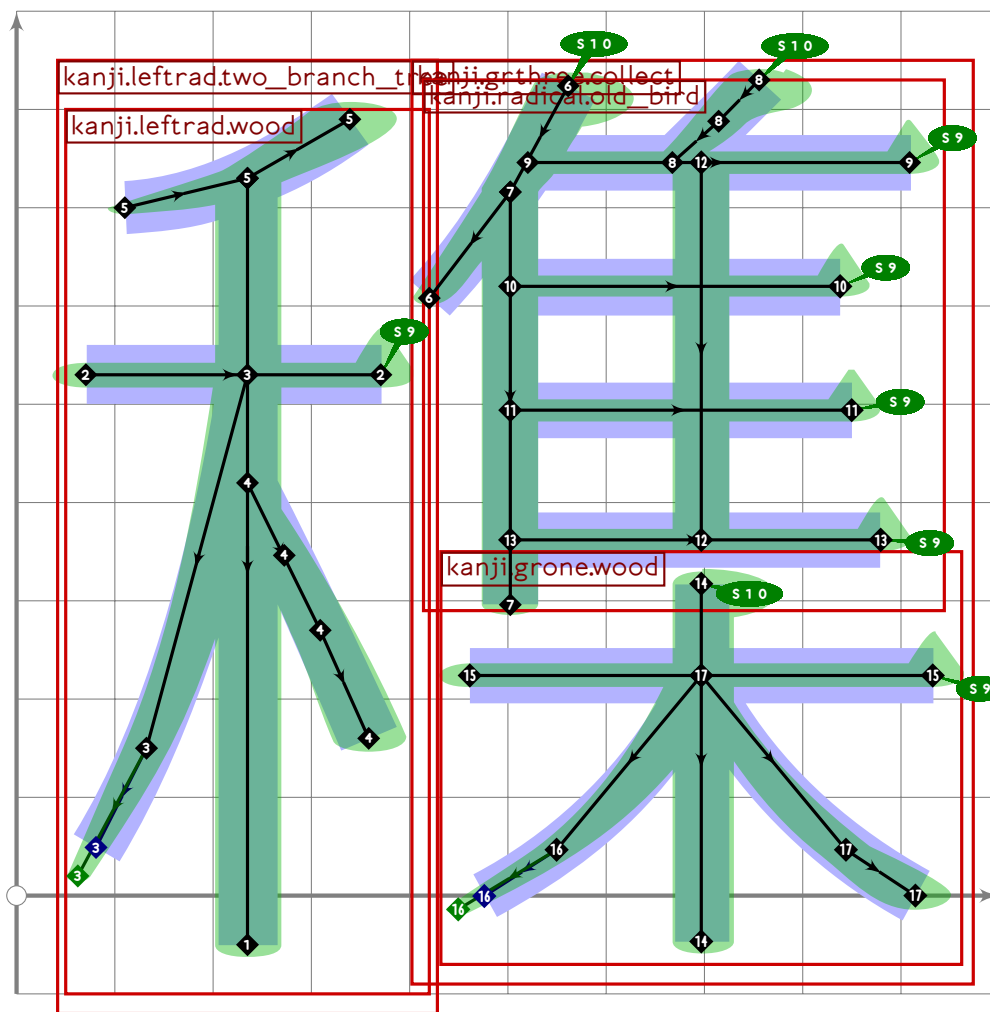
```

415 % extra
416 begintsuglyph("uni7A4A";74);
417   build_kanji.lr(380,0)
418     (kanji.leftrad.two_branch_tree)
419     (build_kanji.sscale(yscaled 1.07)(kanji.greight.already));
420   tsu_render;
421 endtsuglyph;
422
423 % seki/tsu "load"
424 begintsuglyph("uni7A4D";77);
425   kanji.grfour.load;
426   tsu_render;
427 endtsuglyph;
428

```

[see page 3231]

U+7A55
tsuku.uni7A55

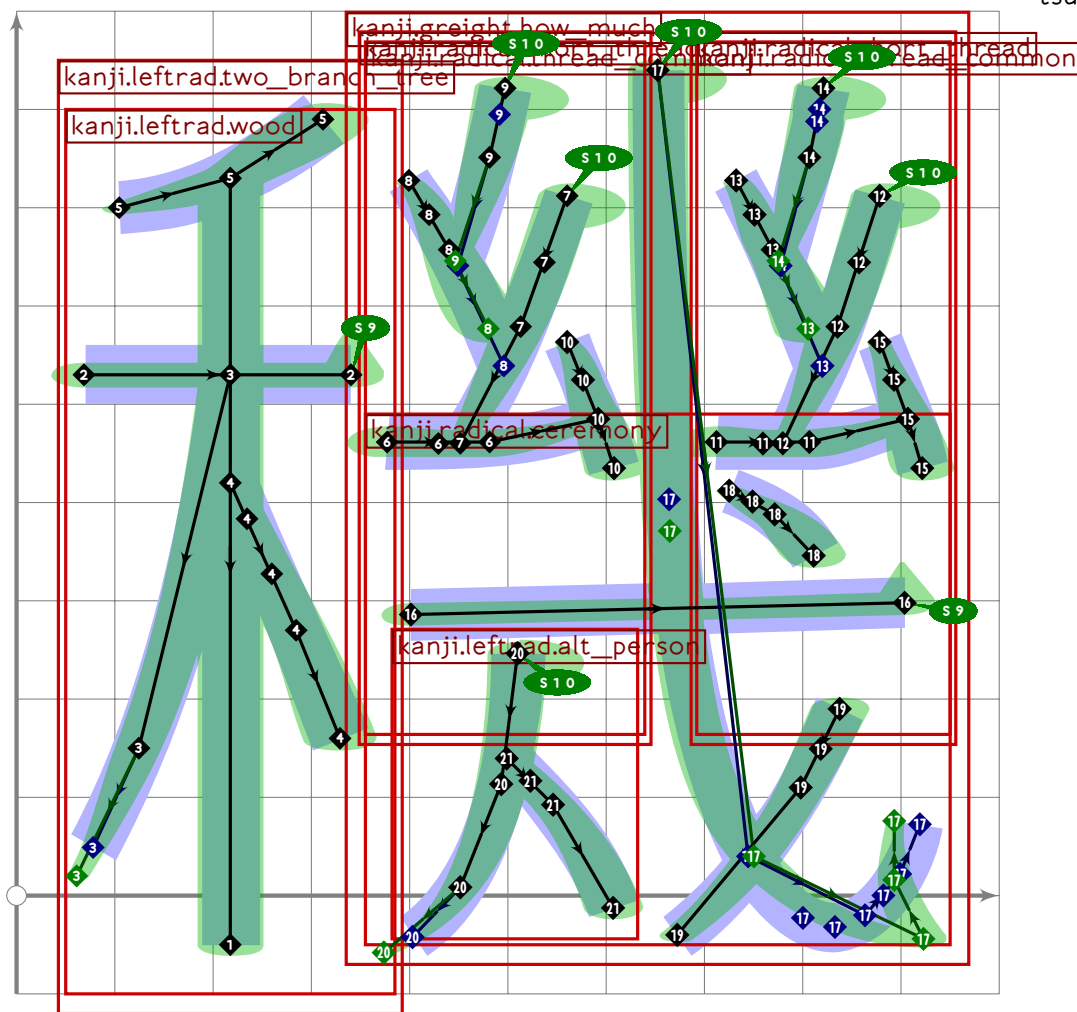


```

429 % extra
430 begintsuglyph("uni7A55";85);
431   build_kanji.lr(420,0)
432     (kanji.leftrad.two_branch_tree)
433     (build_kanji.sscale(shifted (0,-20))(kanji.grthree.collect));
434   tsu_render;
435 endtsuglyph;
436

```

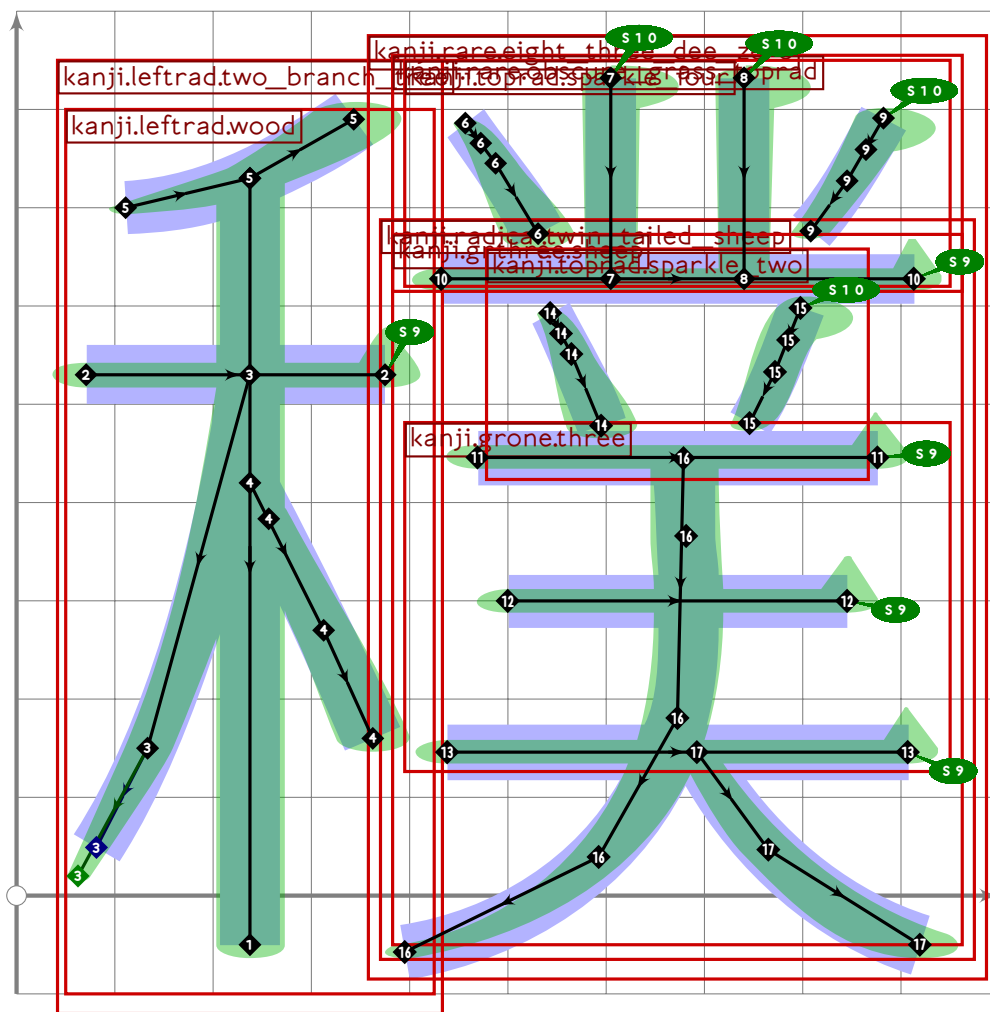
7A



```

437 % extra
438 begintsuglyph("uni7A56";86);
439 build_kanji.lr(370,30)
440 (kanji.leftrad.two_branch_tree)
441 (kanji.greight.how_much);
442 tsu_render;
443 endsuglyph;
444

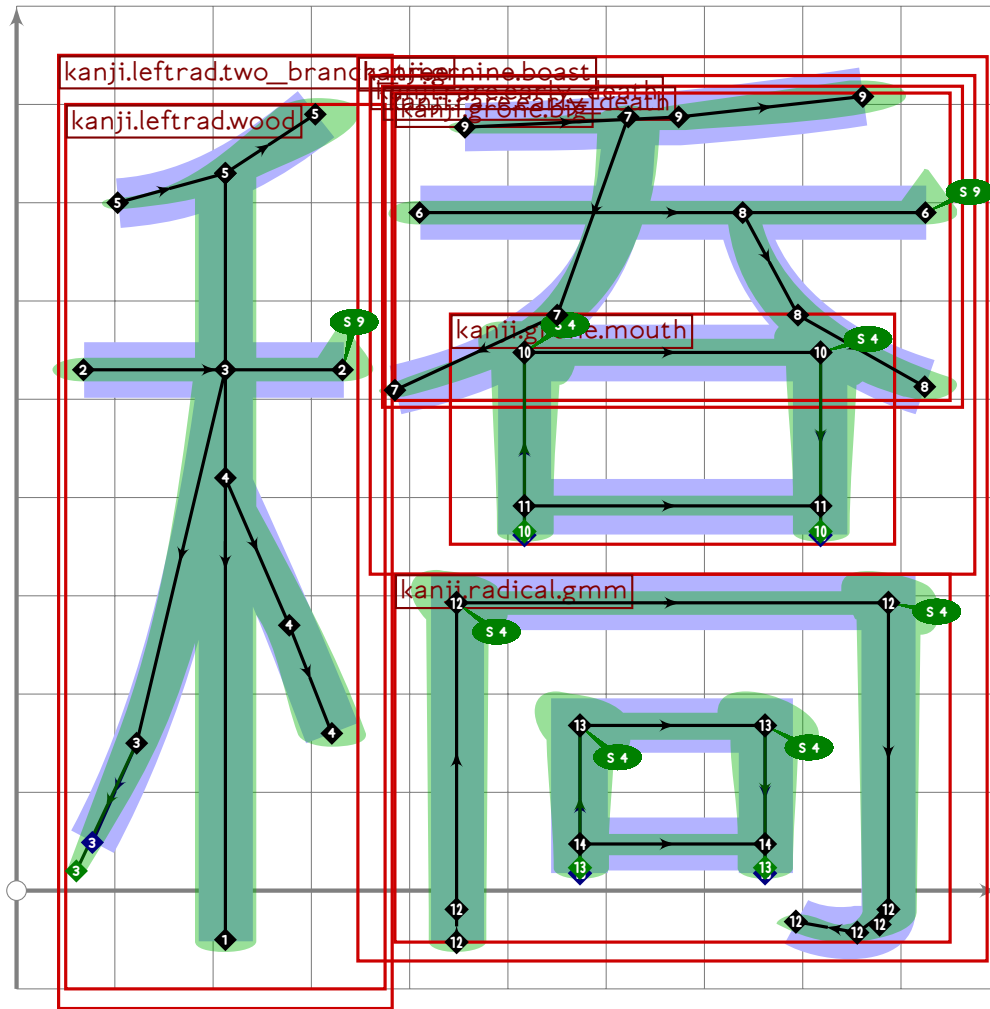
```



```

445 % extra
446 begintsuglyph("uni7A59";89);
447   build_kanji.lr(410,30)
448     (kanji.leftrad.two_branch_tree)
449     (kanji.rare.eight_three_dee_zero);
450   tsu_render;
451 endtsuglyph;
452

```

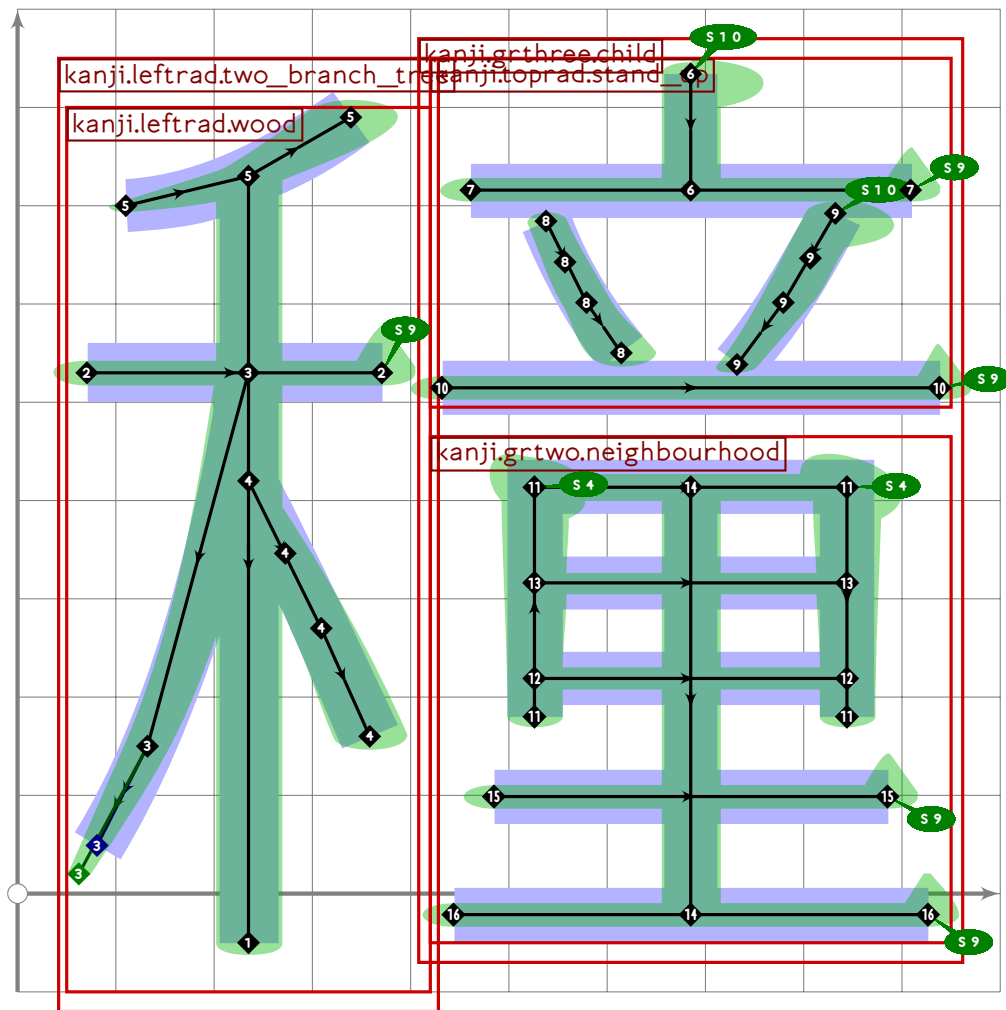


```

453 % extra
454 begintsuglyph("uni7A5A";90);
455   build_kanji.level(build_kanji.lr(380,-10)
456     (kanji.leftrad.two_branch_tree)
457     (build_kanji.sscale(yscaled 0.96 shifted (0,-20))(kanji.grnine.boast)));
458   tsu_render;
459 endtsuglyph;
460

```


U+7A5C
tsuku.uni7A5C

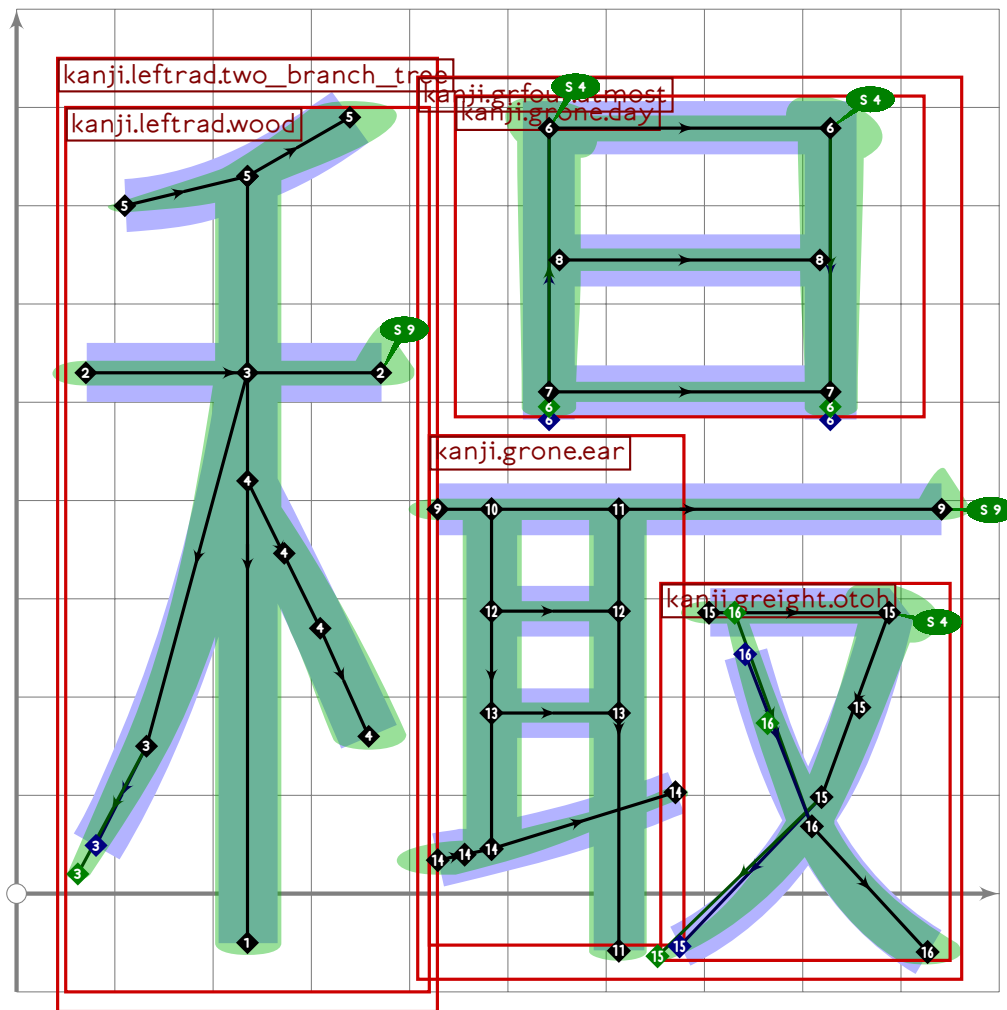


```

461 % extra
462 begintsuglyph("uni7A5C";92);
463   build_kanji.lr(420,0)
464     (kanji.leftrad.two_branch_tree)
465     (kanji.grthree.child);
466   tsu_render;
467 endtsuglyph;
468

```

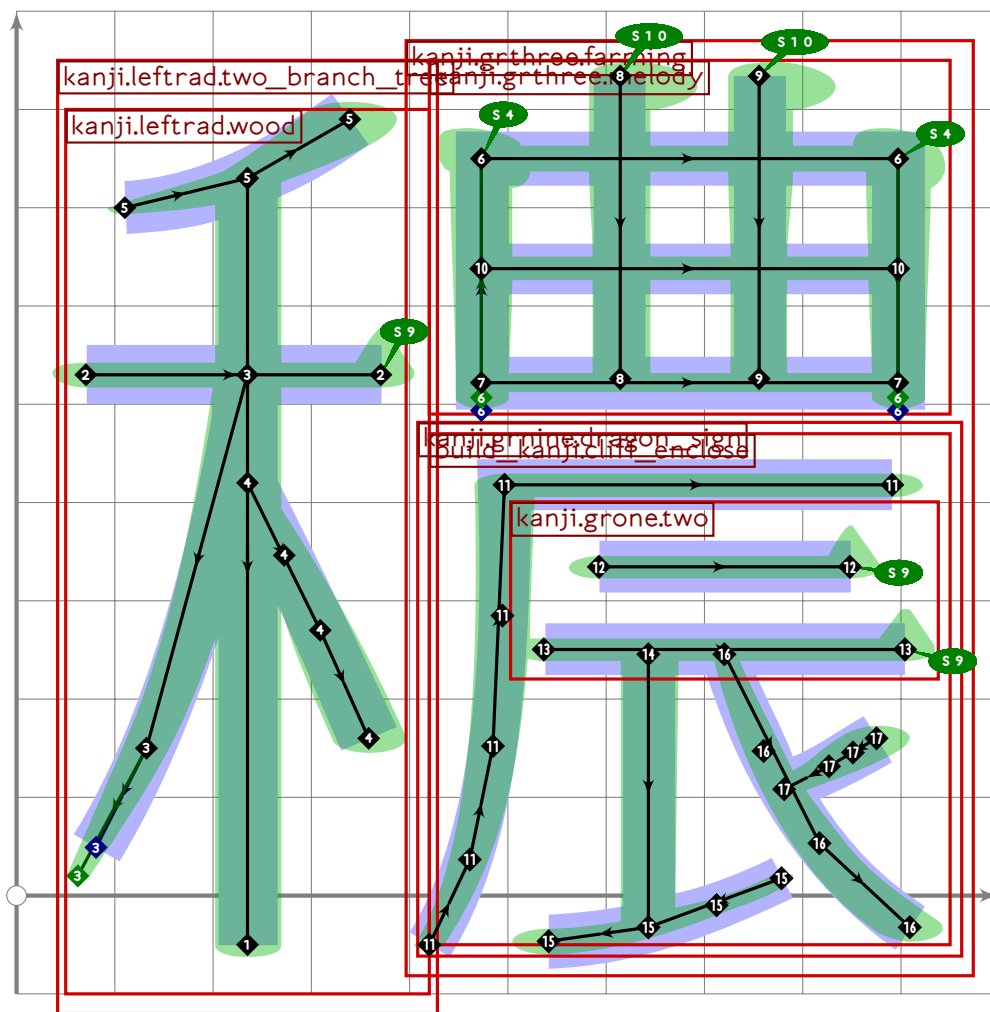
7A



```

469 % extra
470 begintsuglyph("uni7A5D";93);
471   build_kanji.lr(420,0)
472     (kanji.leftrad.two_branch_tree)
473     (build_kanji.sscale(yscaled 0.96 shifted (0,-20))(kanji.grfour.utmost));
474   tsu_render;
475 endtsuglyph;
476

```



```

477 % extra
478 begintsuglyph("uni7A60";96);
479   build_kanji.lr(420,0)
480     (kanji.leftrad.two_branch_tree)
481     (kanji.grthree.farming);
482   tsu_render;
483 endtsuglyph;
484
485 % kyu/kiwa "research"
486 begintsuglyph("uni7A76";118);
487   kanji.grthree.research;
488   tsu_render;
489 endtsuglyph;
490
491 % kara/sora "sky"
492 begintsuglyph("uni7A7A";122);
493   kanji.grone.sky;
494   tsu_render;
495 endtsuglyph;
496
497 % ta "stand up"

```

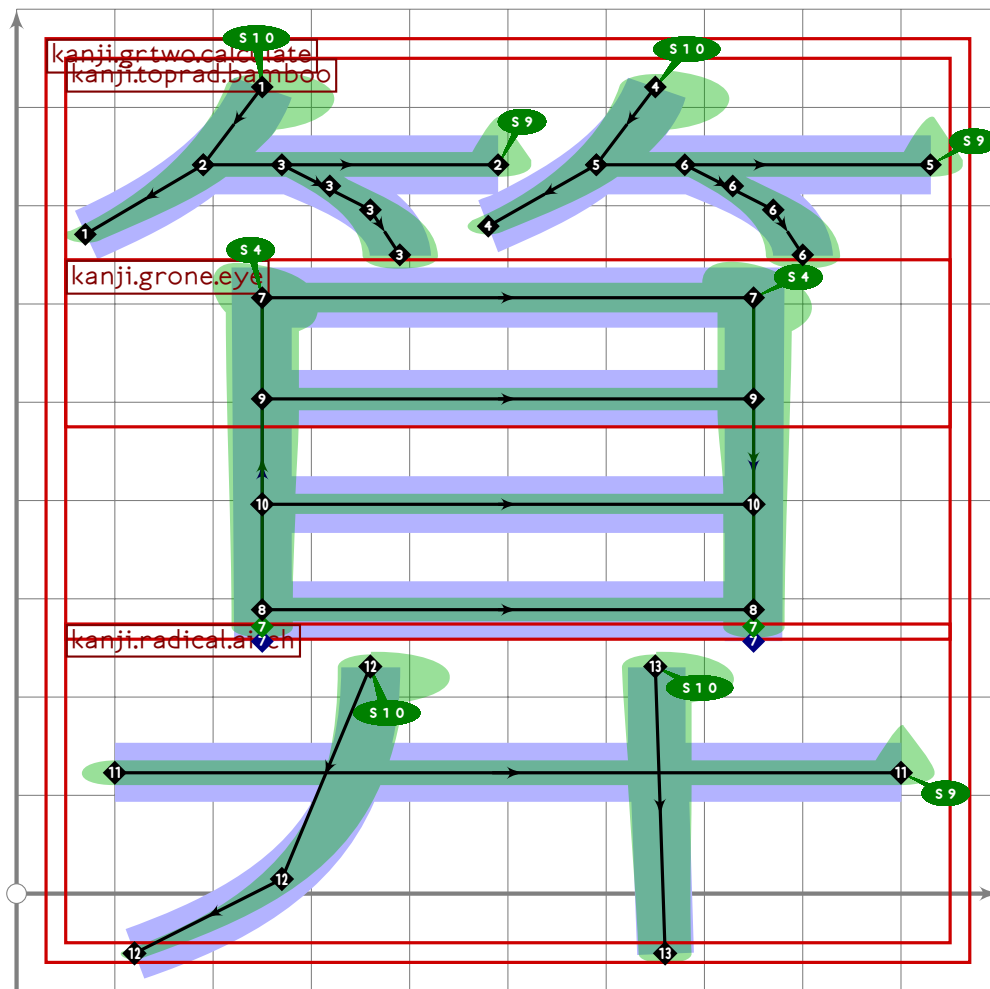
[see page 3229]

[see page 475]

498 begintsuglyph("uni7ACB";203); [see page 477]
 499 kanji.grone.stand_up;
 500 tsu_render;
 501 endtsuglyph;
 502
 503 % extra: "contend"
 504 begintsuglyph("uni7ADE";222); [see page 3235]
 505 kanji.rare.contend;
 506 tsu_render;
 507 endtsuglyph;
 508
 509 % kyou/owa "finally"
 510 begintsuglyph("uni7ADF";223); [see page 1014]
 511 kanji.rare.finally;
 512 tsu_render;
 513 endtsuglyph;
 514
 515 % shou/aki "chapter"
 516 begintsuglyph("uni7AE0";224); [see page 604]
 517 kanji.grthree.chapter;
 518 tsu_render;
 519 endtsuglyph;
 520
 521 % dou/warabe "child"
 522 begintsuglyph("uni7AE5";229); [see page 605]
 523 kanji.grthree.child;
 524 tsu_render;
 525 endtsuglyph;
 526
 527 % chiku/take "bamboo"
 528 begintsuglyph("uni7AF9";249); [see page 421]
 529 kanji.grone.bamboo;
 530 tsu_render;
 531 endtsuglyph;
 532
 533 % kyou/kiso "contest"
 534 begintsuglyph("uni7AF6";246); [see page 3230]
 535 kanji.grfour.contest;
 536 tsu_render;
 537 endtsuglyph;
 538
 539 _____
 540
 541 endfont;
 542
 543 _____

tsuku-7b.mp

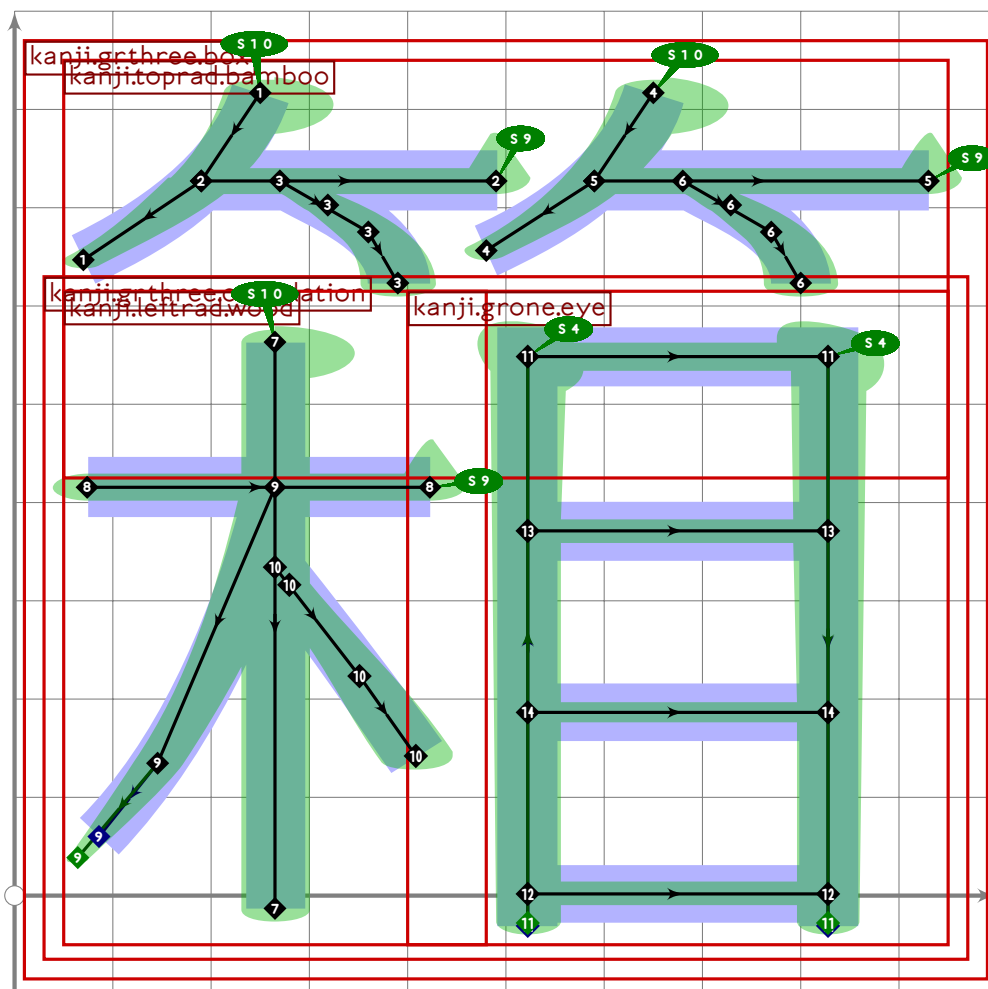
```
1 %
2 % Unicode page 7B (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2014, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefour.mp;
39 input gradeone.mp;
40 input gradesix.mp;
41 input gradethree.mp;
42 input gradetwo.mp;
43 input leftrad.mp;
44 input radical.mp;
45 input rare.mp;
46 input toprad.mp;
47
48 do_late_includes;
49
50
```



```

51
52 vardef kanji.grtwo.calculate =
53   push_pbox_toexpand("kanji.grtwo.calculate");
54   build_kanji.level(build_kanji.tb(560,170)
55     (kanji.toprad.bamboo)
56     (build_kanji.tb(360,20)
57       (kanji.grone.ey)
58       (kanji.radical.aitch)));
59   expand_pbox;
60 enddef;
61
62

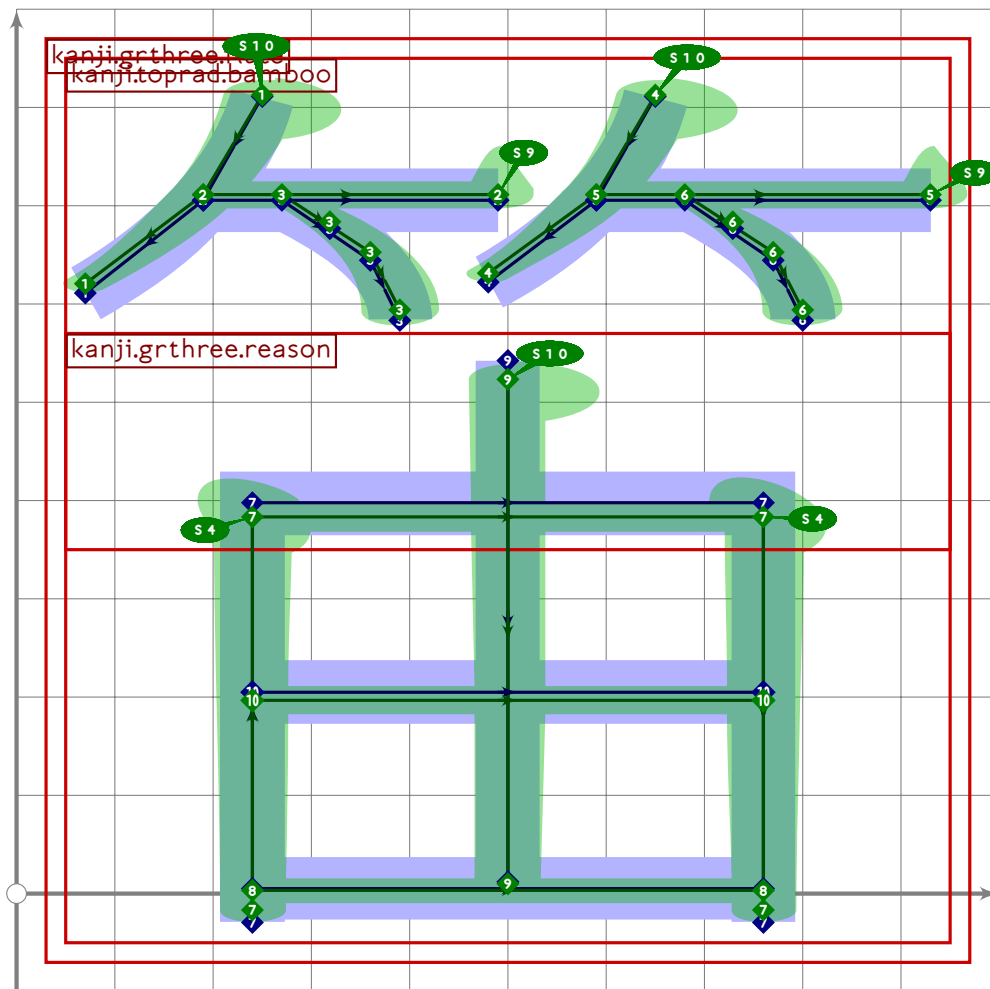
```



```

63
64 vardef kanji.grthree.box =
65   push_pbox_toexpand("kanji.grthree.box");
66   build_kanji.level(build_kanji.tb(520,190)
67     (kanji.toprad.bamboo)
68     (kanji.grthree.correlation));
69   expand_pbox;
70 enddef;

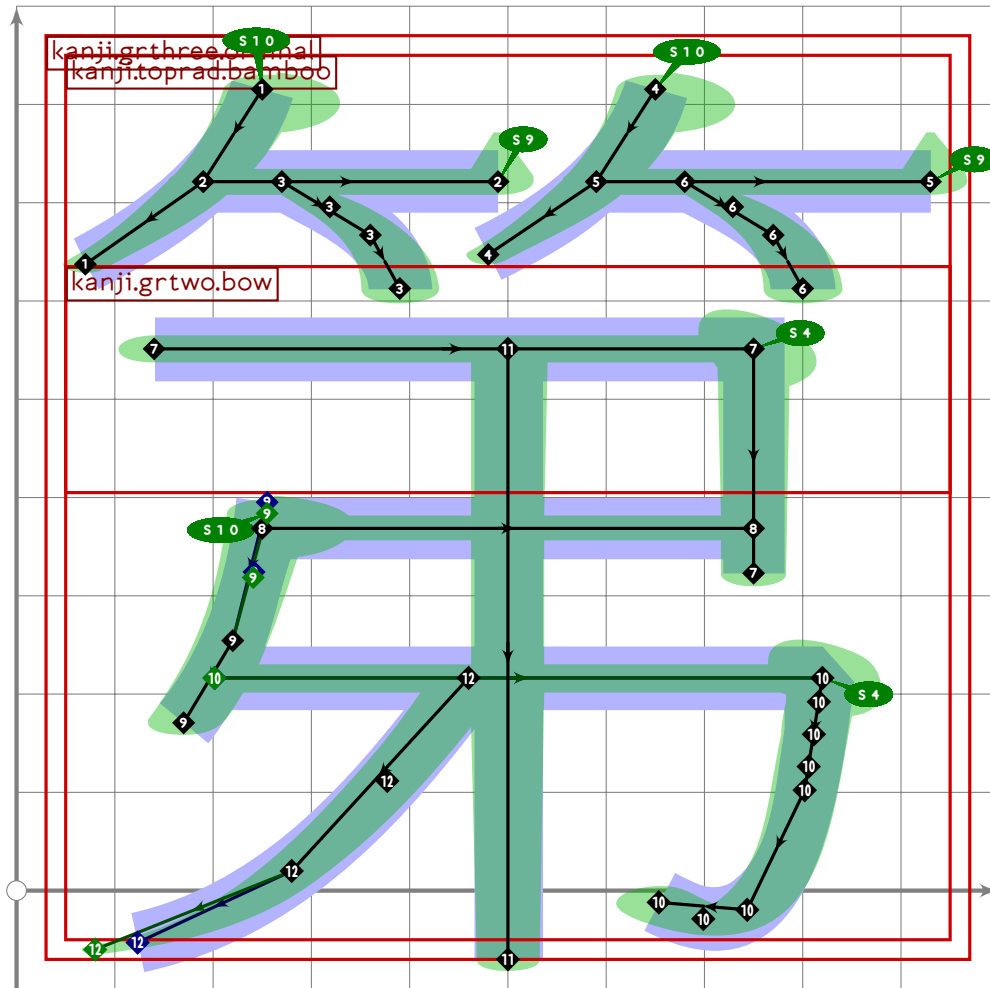
```



```

71
72 vardef kanji.grthree.flute =
73   push_pbox_toexpand("kanji.grthree.flute");
74   build_kanji.level(build_kanji.tb(460,220-40*mincho)
75     (kanji.toprad.bamboo)
76     (kanji.grthree.reason));
77   expand_pbox;
78 enddef;

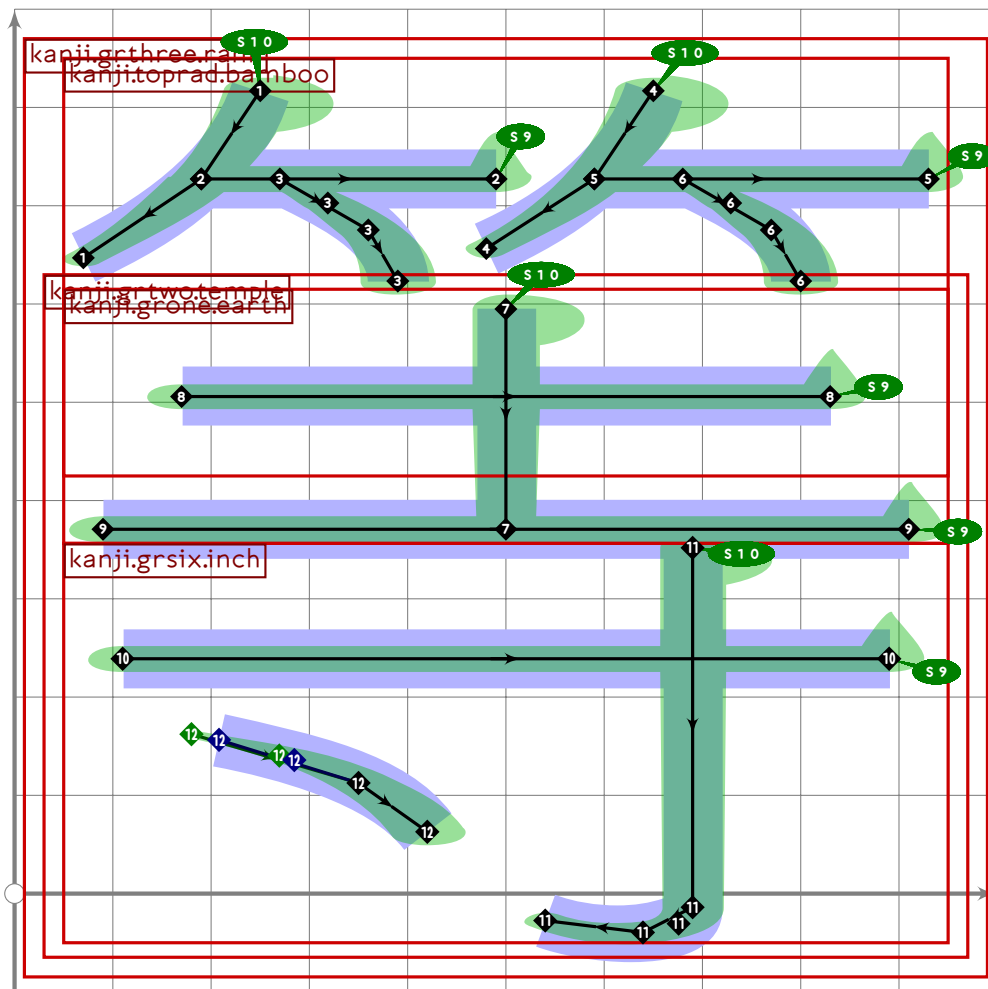
```

```

79
80 vardef kanji.grthree.ordinal =
81   push_pbox_toexpand("kanji.grthree.ordinal");
82   build_kanji.level(build_kanji.tb(520,230)
83     (kanji.toprad.bamboo)
84     (kanji.grtwo.bow));
85   push_stroke((500,y part 0 of get_stroke(-3))-(500,-70),
86     (1.6,1.6)-(1.4,1.4));
87   replace_stroke(-1)((point 0 of oldp)-
88     ((subpath (1,infinity) of oldp)
89       shifted (-820,0) xscaled 0.45 shifted (820,0)));
90   push_stroke(((get_stroke(0) intersectionpoint get_stroke(-1))+(-40,0)).
91     tension 1.2..(280,20)..(80,-60),
92     (1.6,1.6)-(1.4,1.4)-(0.9,0.9));
93   expand_pbox;
94 enddef;

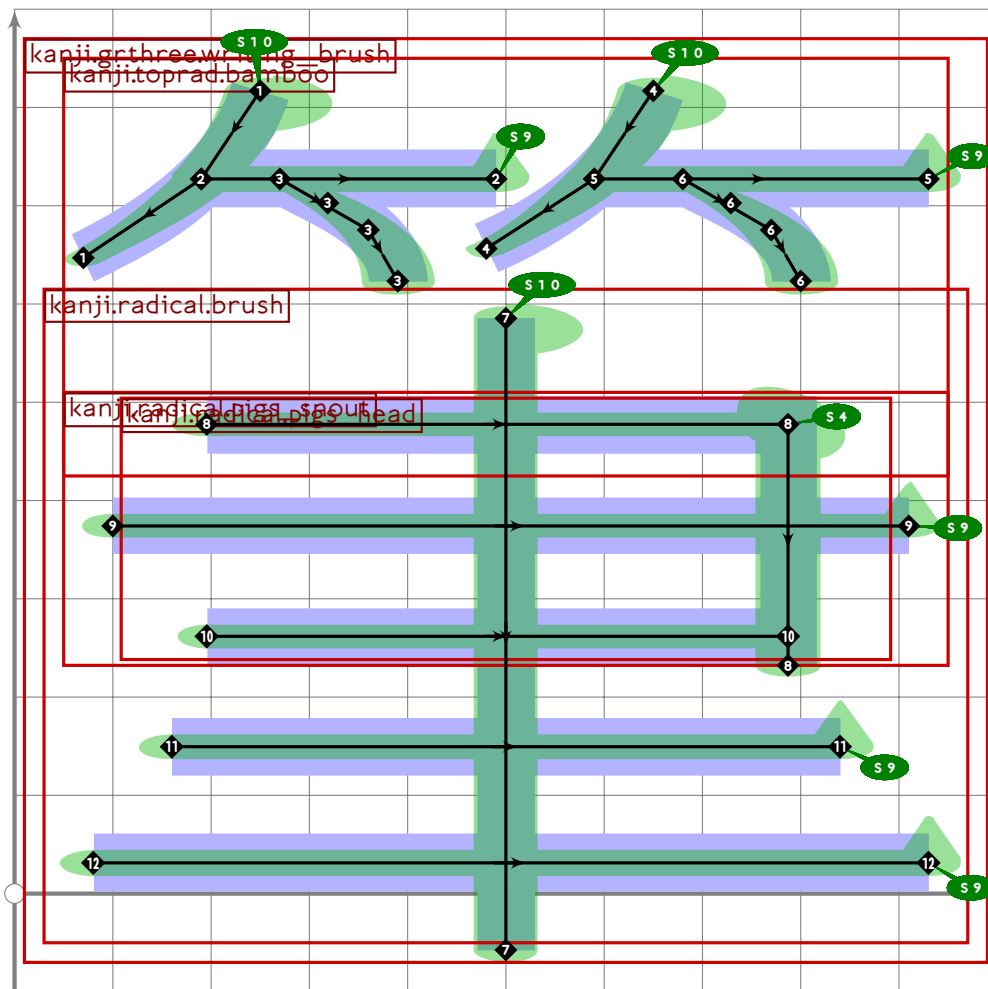
```



```

95
96 vardef kanji.grthree.rank =
97   push_pbox_toexpand("kanji.grthree.rank");
98   build_kanji.level(build_kanji.tb(520,190)
99     (kanji.toprad.bamboo)
100     (kanji.grtwo.temple));
101   expand_pbox;
102 enddef;

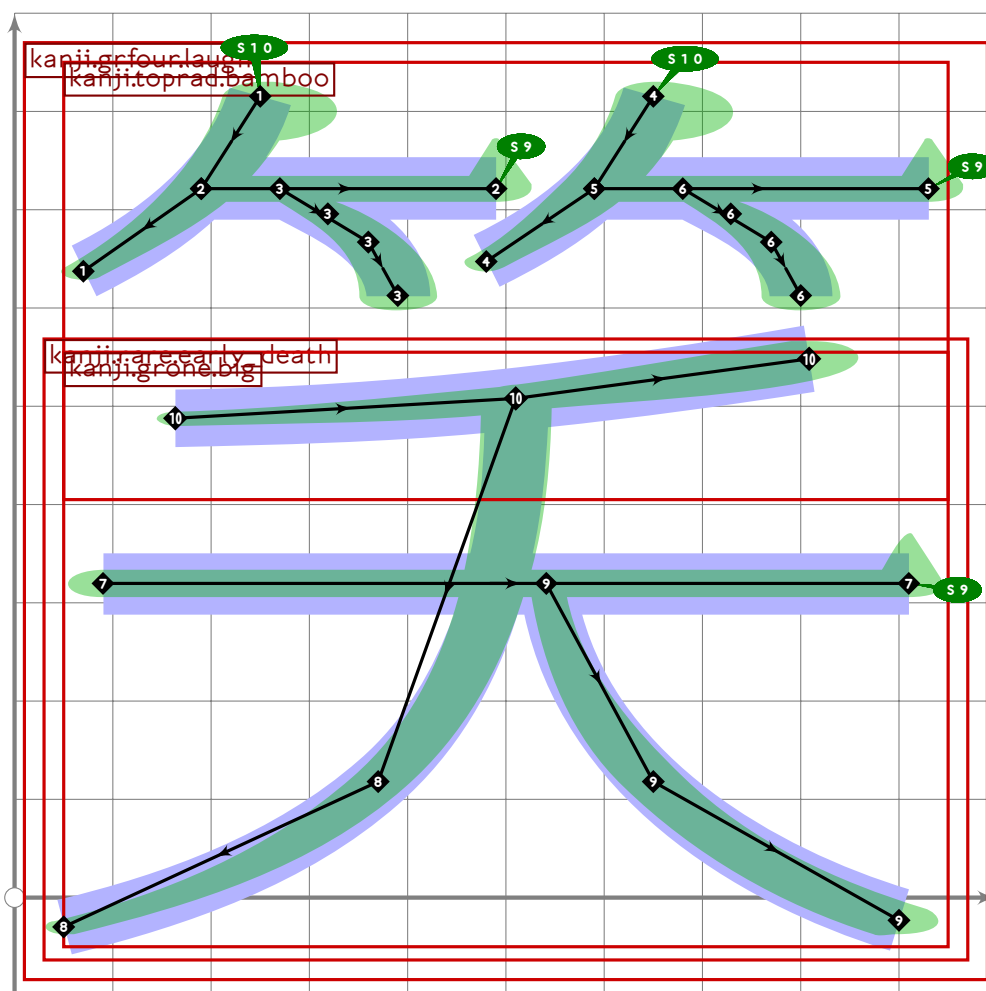
```



```

103
104 vardef kanji.grthree.writing_brush =
105   push_pbox_toexpand("kanji.grthree.writing_brush");
106   build_kanji.level(build_kanji.tb(520,190)
107     (kanji.toprad.bamboo)
108     (kanji.radical.brush));
109   expand_pbox;
110 enddef;
111
112

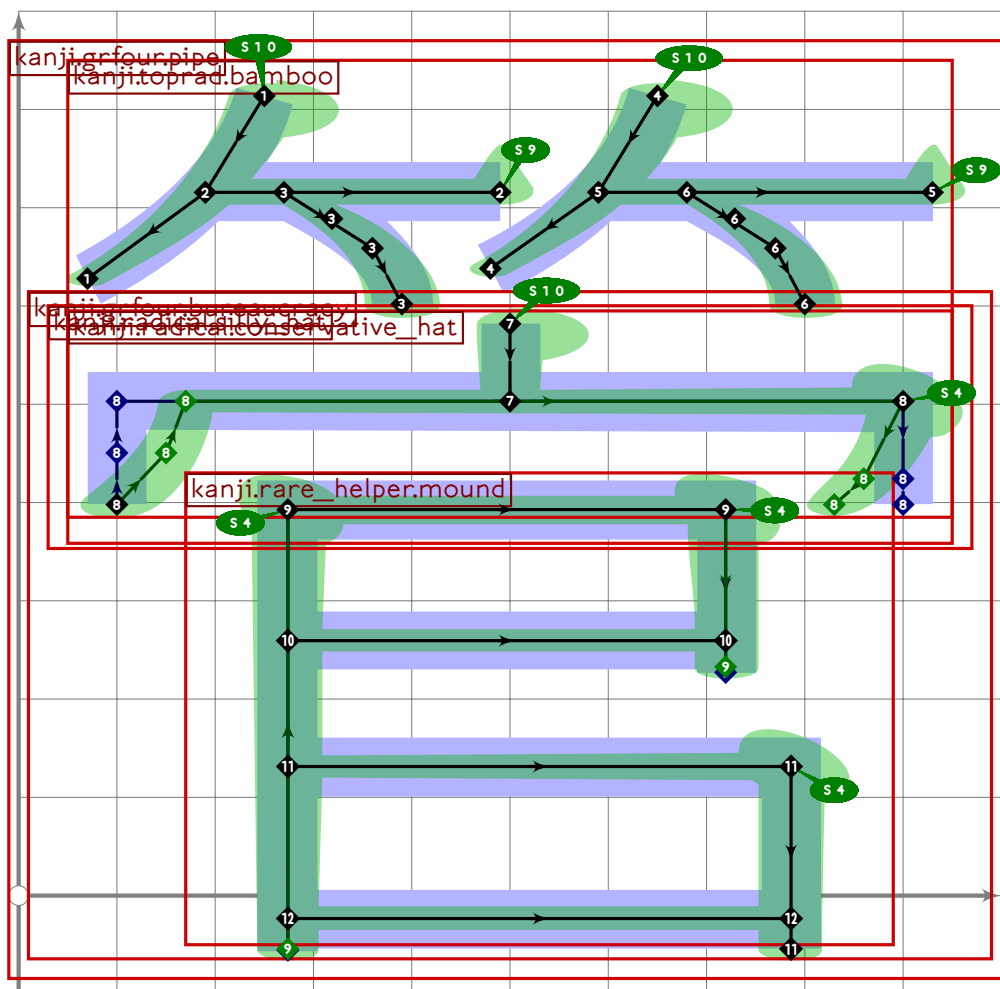
```



```

113
114 vardef kanji.grfour.laugh =
115   push_pbox_toexpand("kanji.grfour.laugh");
116   build_kanji.level(build_kanji.tb(480,150)
117     (kanji.toprad.bamboo)
118     (kanji.rare.early_death));
119   expand_pbox;
120 enddef;

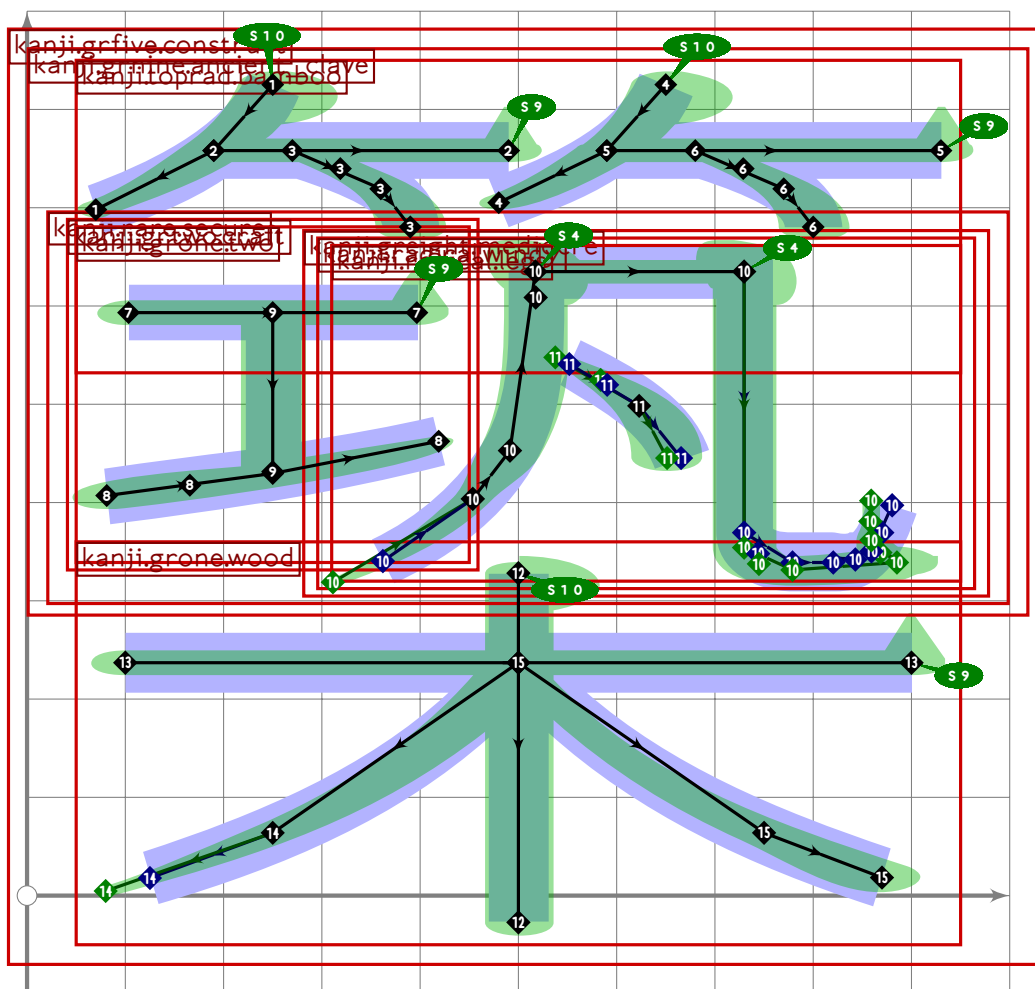
```



```

121
122 vardef kanji.grfour.pipe =
123   push_pbox_toexpand("kanji.grfour.pipe");
124   build_kanji.level(build_kanji.tb(490,210)
125     (kanji.toprad.bamboo)
126     (kanji.grfour.bureaucracy));
127   expand_pbox;
128 enddef;
129
130

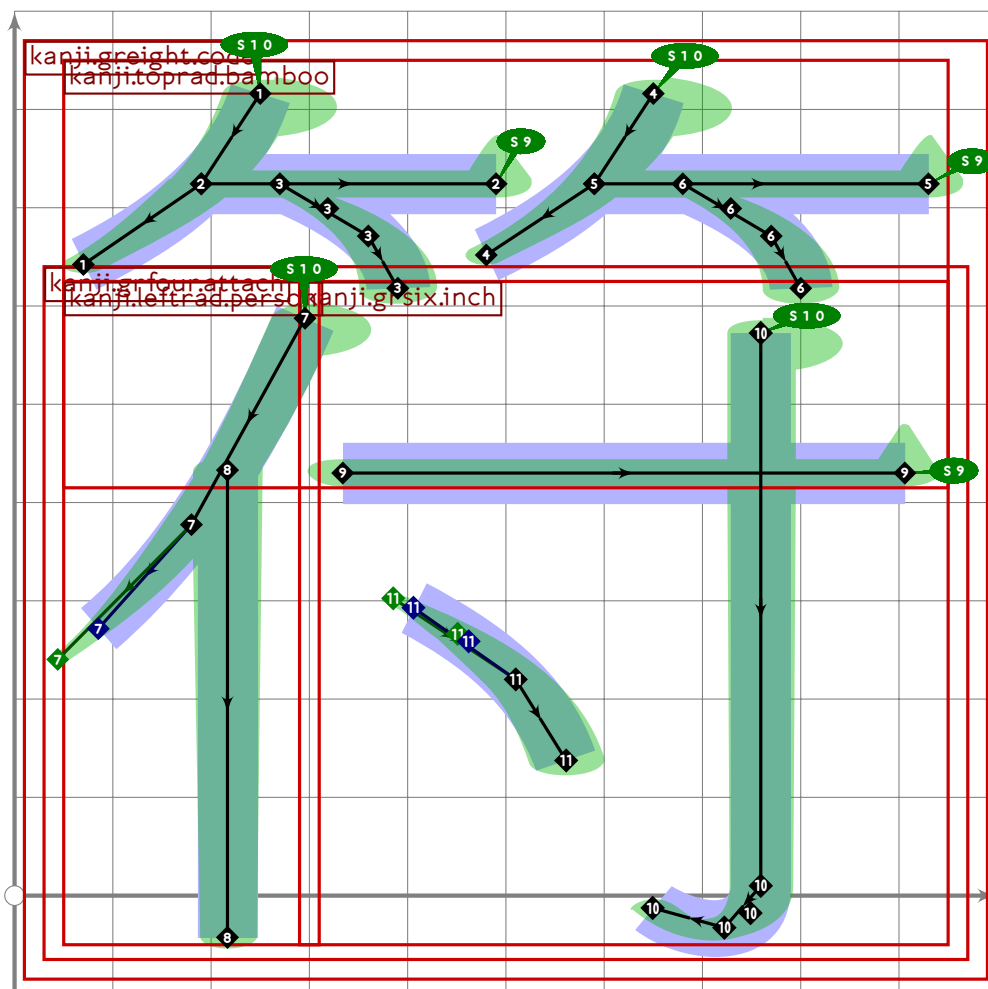
```



```

131
132 vardef kanji.grfive.construct =
133   push_pbox_toexpand("kanji.grfive.construct");
134   build_kanji.tb(340,40)
135     (kanji.grnine.ancient.clave)
136     (kanji.grone.wood);
137   expand_pbox;
138 enddef;
139
140

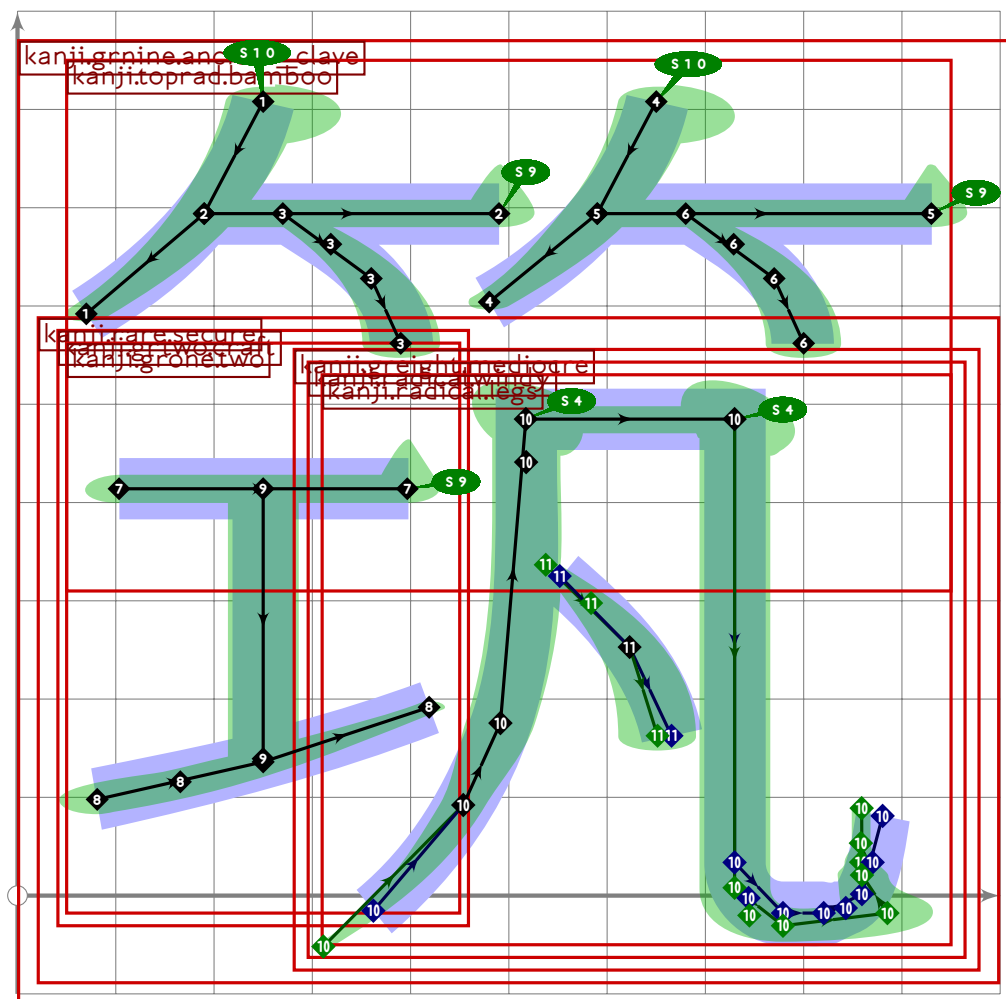
```



```

141
142 vardef kanji.greight.code =
143   push_pbox_toexpand("kanji.greight.code");
144   build_kanji.level(build_kanji.tb(520,210)
145     (kanji.toprad.bamboo)
146     (kanji.grfour.attach));
147   expand_pbox;
148 enddef;
149
150

```



```

151
152 vardef kanji.grnine.ancient_clave =
153   push_pbox_toexpand("kanji.grnine.ancient_clave");
154   build_kanji.level(build_kanji.tb(420,220)
155     (kanji.toprad.bamboo)
156     (kanji.rare.secure));
157   expand_pbox;
158 enddef;
159
160
161
162 % shou/wara "laugh"
163 begintsuglyph("uni7B11";17);
164   kanji.grfour.laugh;
165   tsu_render;
166 endtsuglyph;
167
168 % teki/fue "flute"
169 begintsuglyph("uni7B1B";27);
170   kanji.grthree.flute;
171   tsu_render;

```

[see page 3283]

[see page 3279]

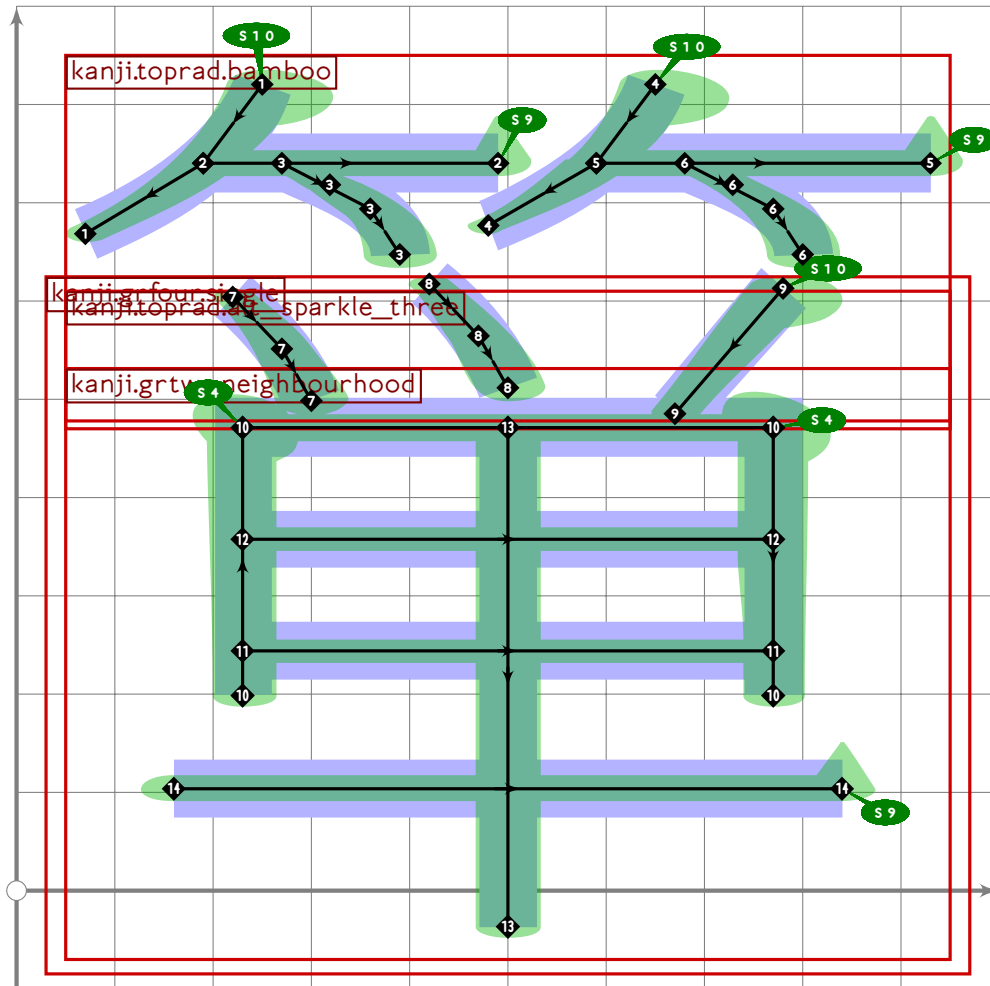

```

172 endtsuglyph;
173
174 % fu "code"
175 begintsuglyph("uni7B26";38); [see page 3286]
176   kanji.greight.code;
177   tsu_render;
178 endtsuglyph;
179
180 % dai "ordinal number"
181 begintsuglyph("uni7B2C";44); [see page 3280]
182   kanji.grthree.ordinal;
183   tsu_render;
184 endtsuglyph;
185
186 % hitsu/fude "writing brush"
187 begintsuglyph("uni7B46";70); [see page 3282]
188   kanji.grthree.writing_brush;
189   tsu_render;
190 endtsuglyph;
191
192 % tou/hito "rank"
193 begintsuglyph("uni7B49";73); [see page 3281]
194   kanji.grthree.rank;
195   tsu_render;
196 endtsuglyph;
197
198 % kokiri "ancient musical instrument" or "clave-like folk instrument"
199 begintsuglyph("uni7B51";81); [see page 3287]
200   kanji.grnine.ancient_clave;
201   tsu_render;
202 endtsuglyph;
203
204 % tou/kota "answer"
205 begintsuglyph("uni7B54";84); [see page 490]
206   kanji.grtwo.answer;
207   tsu_render;
208 endtsuglyph;
209
210 % sen/soru "calculate"
211 begintsuglyph("uni7B97";151); [see page 3277]
212   kanji.grtwo.calculate;
213   tsu_render;
214 endtsuglyph;
215
216 % kan/kuda "pipe" or "jurisdiction"
217 begintsuglyph("uni7BA1";161); [see page 3284]
218   kanji.grfour.pipe;
219   tsu_render;

```

220 endtsuglyph;

221



222 % extra: tan/hako "bamboo rice bucket"

223 begintsuglyph("uni7BAA";170);

224 build_kanji.level(build_kanji.tb(540,140)

225 (kanji.toprad.bamboo)

226 (kanji.grfour.single));

227 tsu_render;

228 endtsuglyph;

229

230 % sou/hako "box"

231 begintsuglyph("uni7BB1";177);

232 kanji.grthree.box;

233 tsu_render;

234 endtsuglyph;

235

236 % setsu/fushi "section"

237 begintsuglyph("uni7BC0";192);

238 kanji.grfour.section;

239 tsu_render;

240 endtsuglyph;

[see page 3278]

[see page 733]

```
241
242 % chiku/kizuku "construct"
243 begintsuglyph("uni7BC9";201); [see page 3285]
244   kanji.grfive.construct;
245   tsu_render;
246 endtsuglyph;
247
248 

---

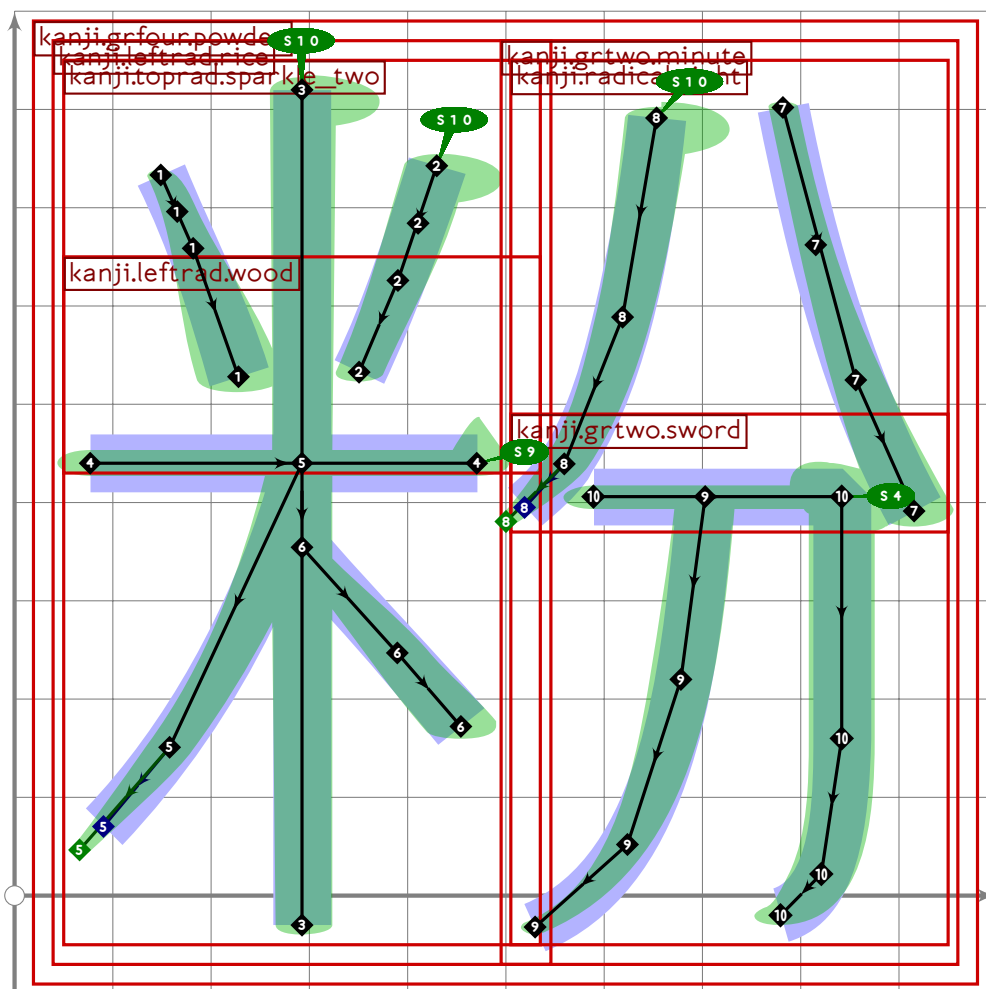

249
250 endfont;
251
252 

---


```

tsuku-7c.mp

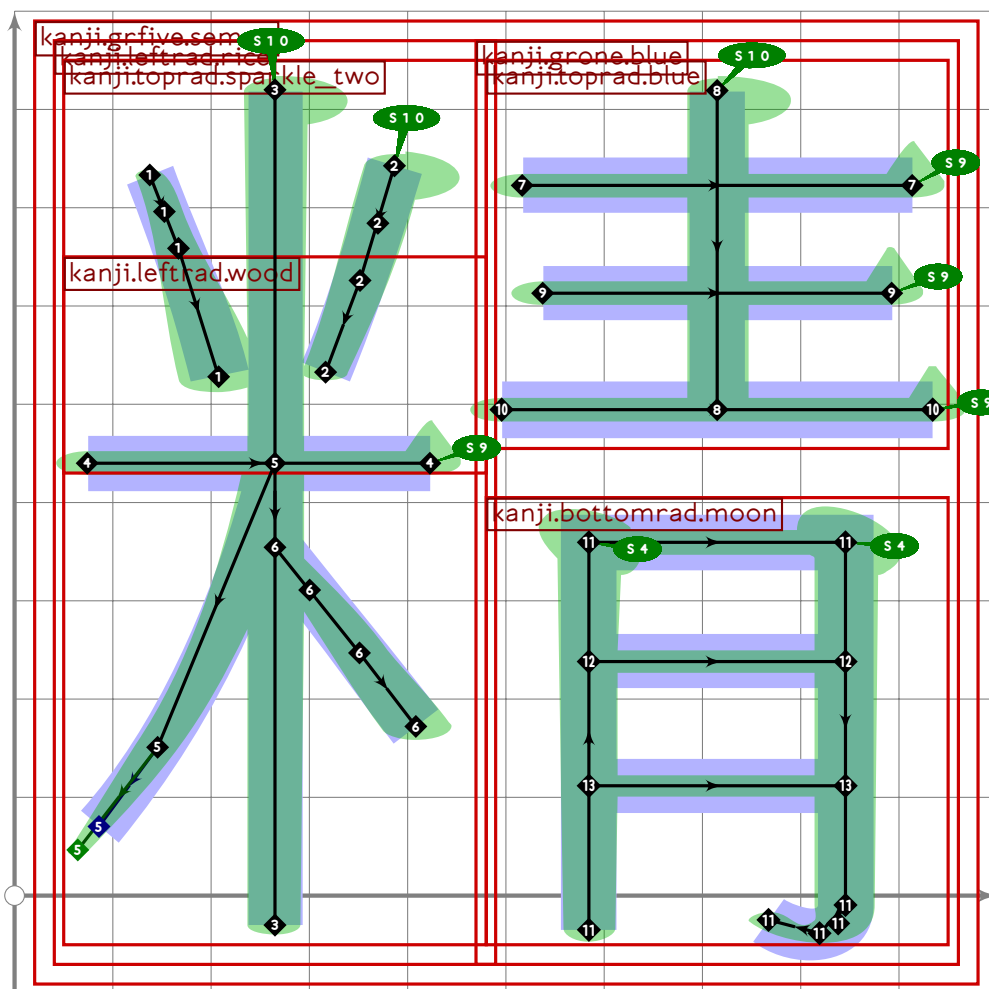
```
1 %
2 % Unicode page 7C (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31
32
33 beginfont
34
35 % AUTODEPS
36 input bkencl.mp;
37 input bottomrad.mp;
38 input buildkanji.mp;
39 input gradefour.mp;
40 input gradeone.mp;
41 input gradetwo.mp;
42 input leftrad.mp;
43 input radical.mp;
44 input toprad.mp;
45
46 do_late_includes;
47
48
```



```

49
50 vardef kanji.grfour.powder =
51   push_pbox_toexpand("kanji.grfour.powder");
52   build_kanji.level(build_kanji.lr(520,30)
53     (kanji.leftrad.rice)
54     (kanji.grtwo.minute));
55   expand_pbox;
56 enddef;
57
58

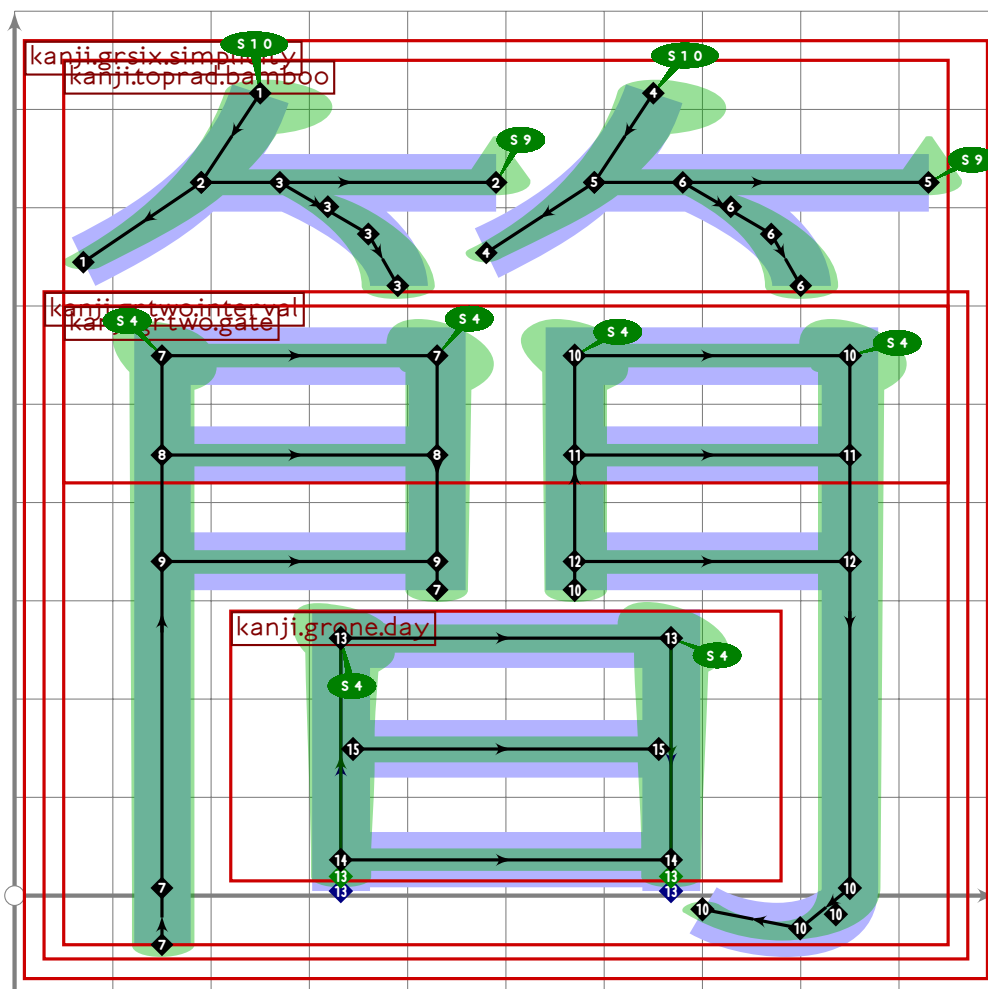
```



```

59
60 vardef kanji.grfive.semen =
61   push_pbox_toexpand("kanji.grfive.semen");
62   build_kanji.level(build_kanji.lr(480,0)
63     (kanji.leftrad.rice)
64     (kanji.grone.blue));
65   expand_pbox;
66 enddef;
67
68

```



```

69
70 vardef kanji.grsix.simplicity =
71   push_pbox_toexpand("kanji.grsix.simplicity");
72   build_kanji.level(build_kanji.tb(510,180)
73     (kanji.toprad.bamboo)
74     (kanji.grtwo.interval));
75   expand_pbox;
76 enddef;
77
78
79
80 % kan/era "simplicity"
81 beginsuglyph("uni7C21",33);
82 kanji.grsix.simplicity;
83 tsu_render;
84 endsuglyph;
85
86 % bei/kome "rice", also "USA" and "metre"
87 beginsuglyph("uni7C73",115);
88 kanji.grtwo.rice;
89 tsu_render;

```

[see page 3294]

[see page 560]

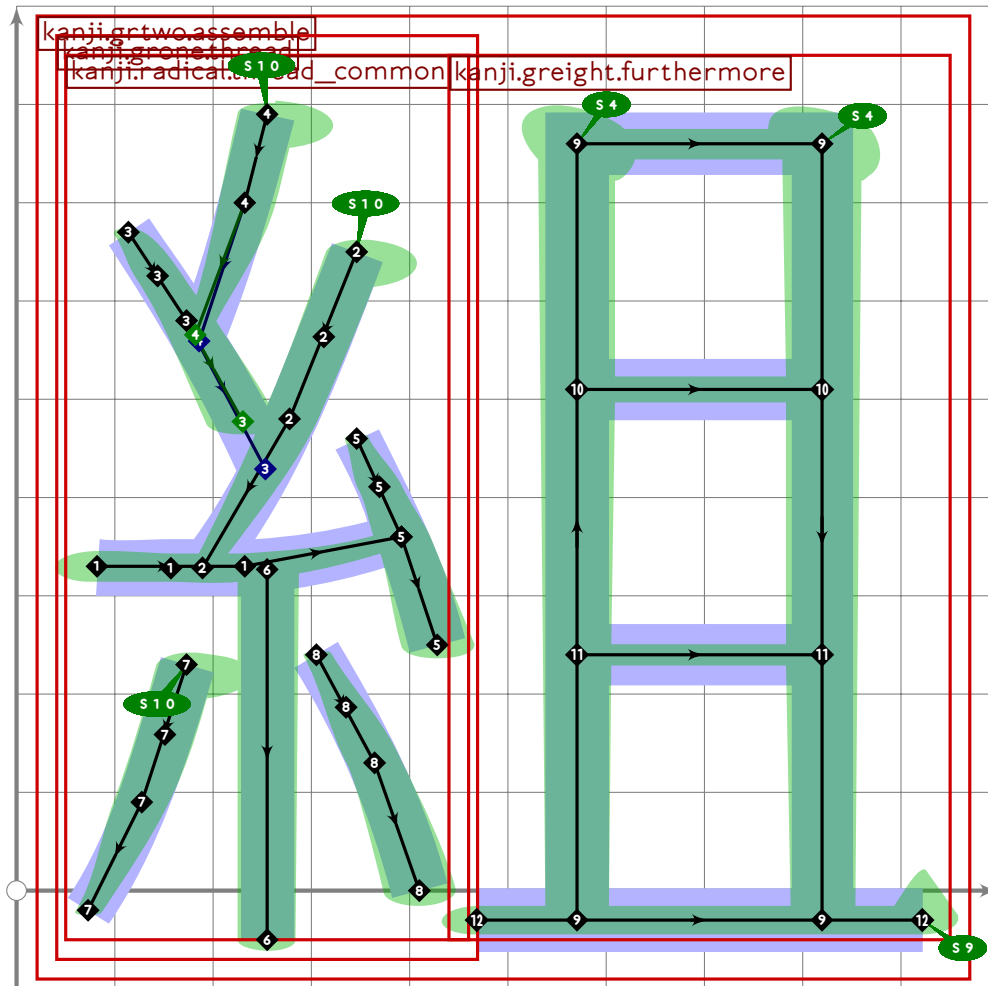
```

90 endtsuglyph;
91
92 % fun/kona "powder"
93 begintsuglyph("uni7C89",137); [see page 3292]
94   kanji.grfour.powder;
95   tsu_render;
96 endtsuglyph;
97
98 % sei/shira "semen"
99 begintsuglyph("uni7CBE",190); [see page 3293]
100   kanji.grfive.semen;
101   tsu_render;
102 endtsuglyph;
103
104 % shi/ito "thread"
105 begintsuglyph("uni7CF8",248); [see page 480]
106   kanji.grone.thread;
107   tsu_render;
108 endtsuglyph;
109
110 % kei "lineage"
111 begintsuglyph("uni7CFB",251); [see page 712]
112   kanji.grfour.lineage;
113   tsu_render;
114 endtsuglyph;
115
116 _____
117
118 endfont;
119
120 _____

```


tsuku-7d.mp

```
1 %
2 % Unicode page 7D (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 _____
32
33 beginfont
34
35 % AUTODEPS
36 input bottomrad.mp;
37 input buildkanji.mp;
38 input gradeeight.mp;
39 input gradefour.mp;
40 input gradenine.mp;
41 input gradeone.mp;
42 input gradesix.mp;
43 input gradetwo.mp;
44 input radical.mp;
45 input rare.mp;
46 input rightrad.mp;
47 input toprad.mp;
48
49 do_late_includes;
50
51 _____
```

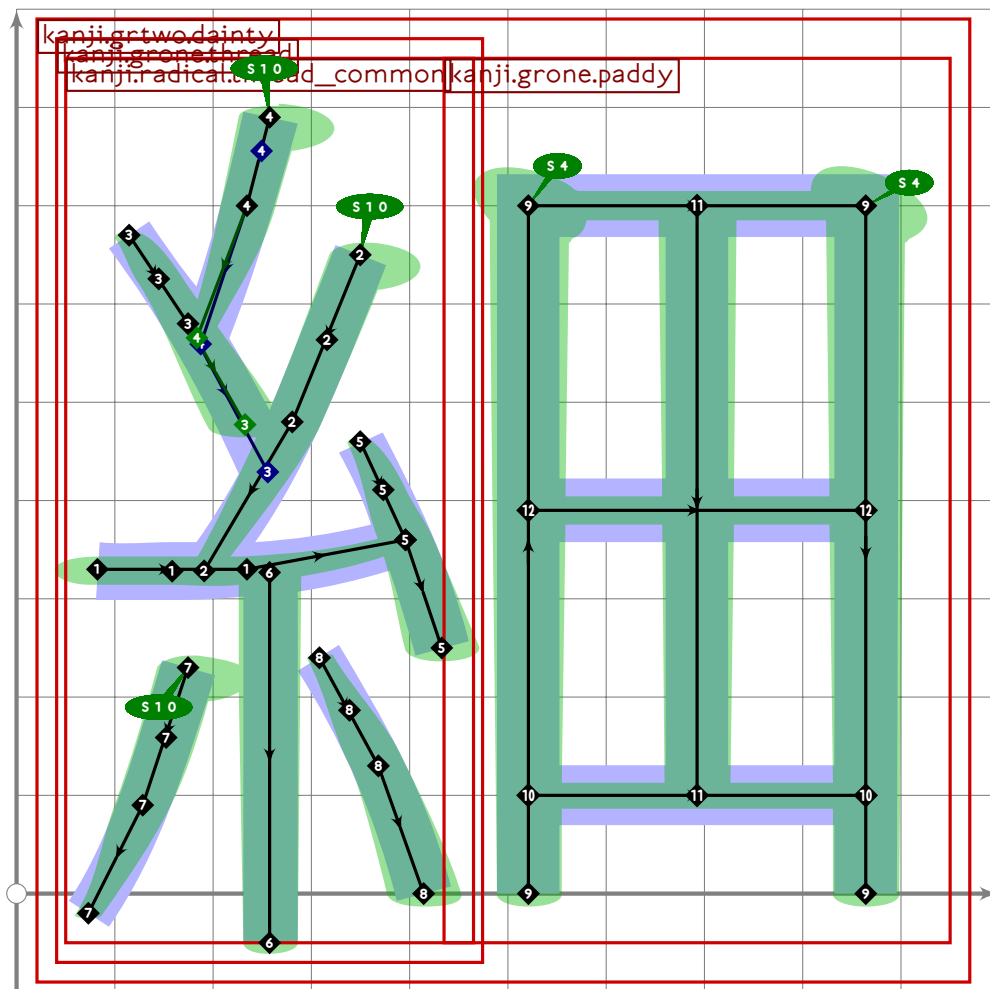


```

52
53 vardef kanji.grtwo.assemble =
54   push_pbox_toexpand("kanji.grtwo.assemble");
55   build_kanji.lr(450,20)
56   (kanji.grone.thread)
57   (kanji.greight.furthermore);
58   expand_pbox;
59 enddef;

```

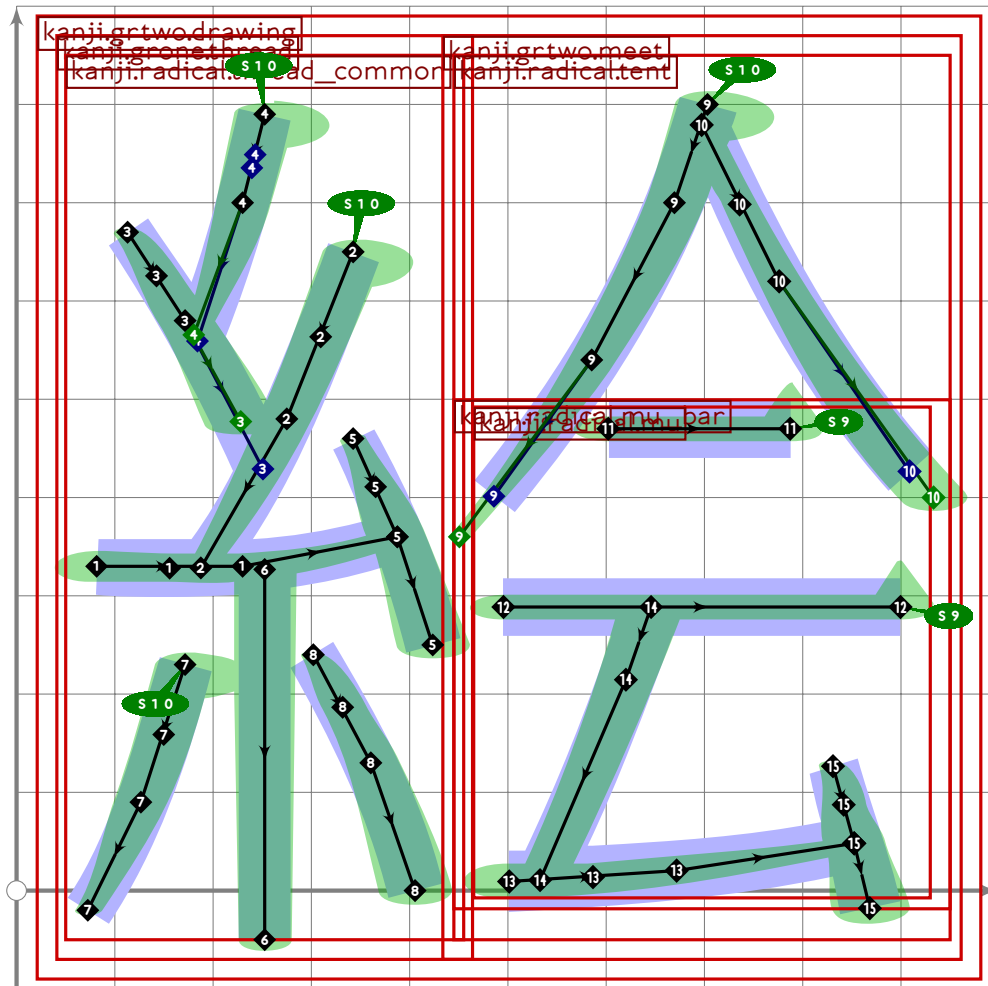
U+7D30
tsuku.uni7D30



```

60
61 vardef kanji.grtwo.dainty =
62   push_pbox_toexpand("kanji.grtwo.dainty");
63   build_kanji.lr(450,30)
64   (kanji.grone.thread)
65   (kanji.grone.paddy);
66   expand_pbox;
67 enddef;
68

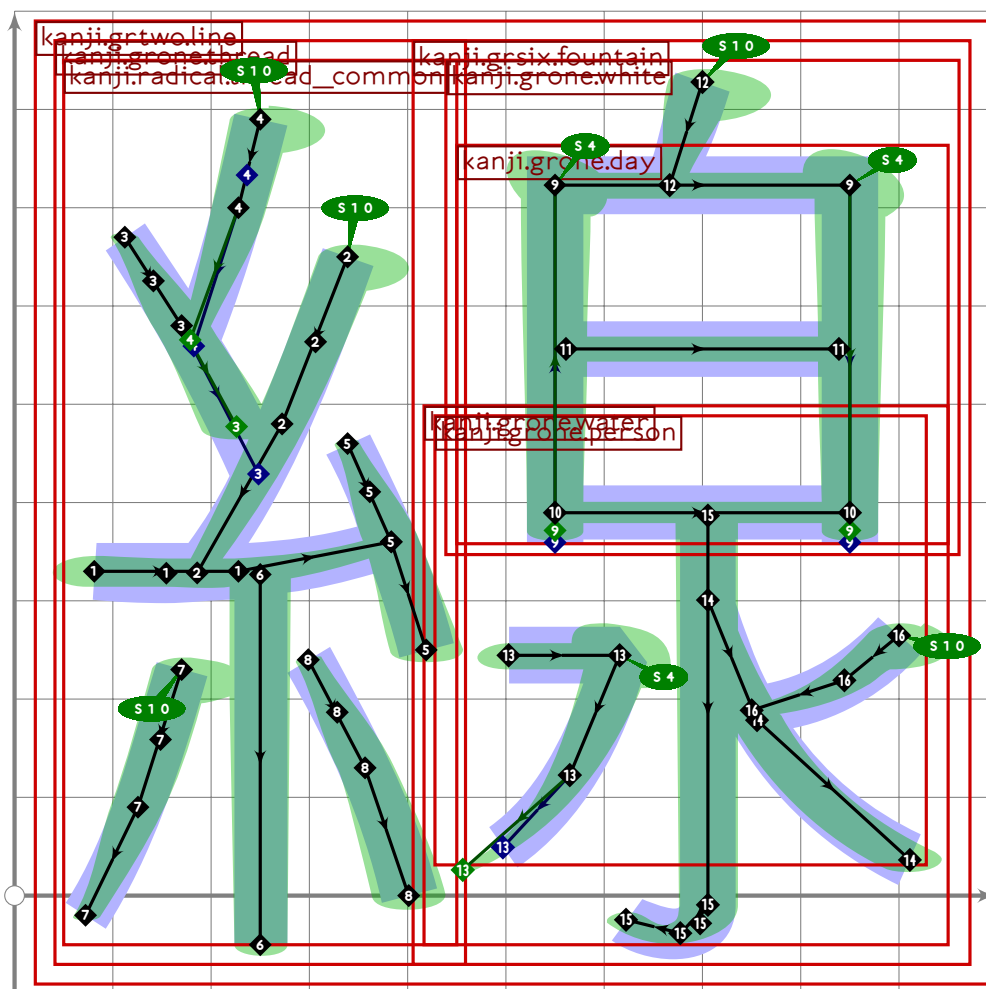
```



```

69 % "picture" is a reserved word
70 vardef kanji.grtwo.drawing =
71   push_pbox_toexpand("kanji.grtwo.drawing");
72   build_kanji.lr(450,10)
73   (kanji.grone.thread)
74   (kanji.grtwo.meet);
75   expand_pbox;
76 enddef;

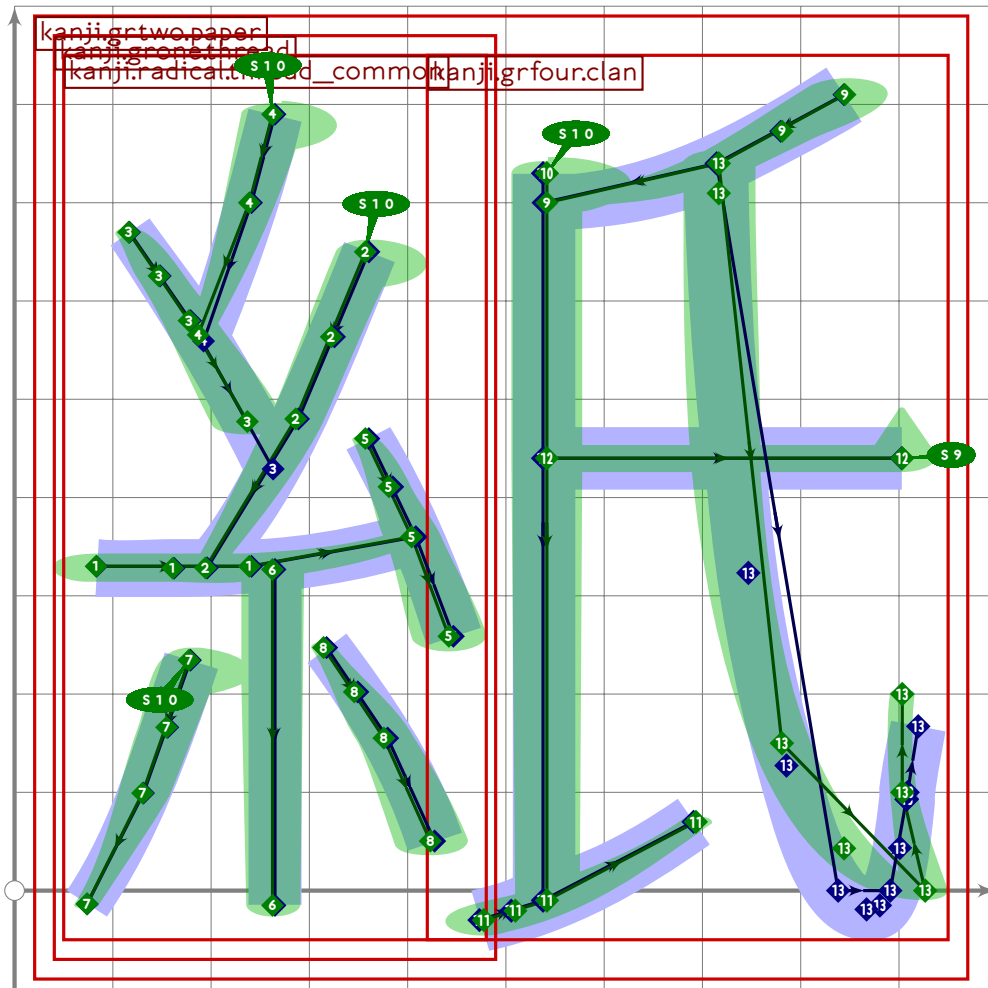
```



```

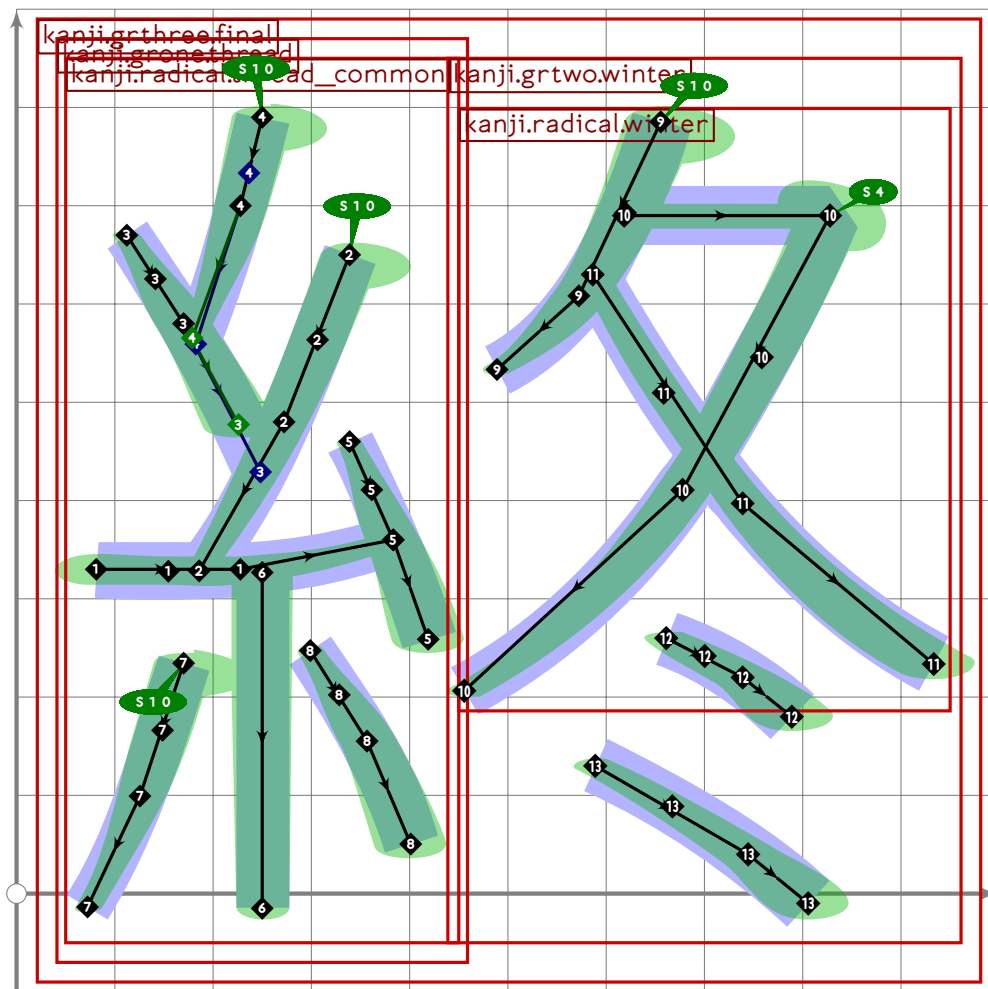
77
78 vardef kanji.grtwo.line =
79   push_pbox_toexpand("kanji.grtwo.line");
80   build_kanji.lr(450,0)
81     (kanji.grone.thread)
82     (kanji.grsix.fountain);
83   expand_pbox;
84 enddef;

```



```

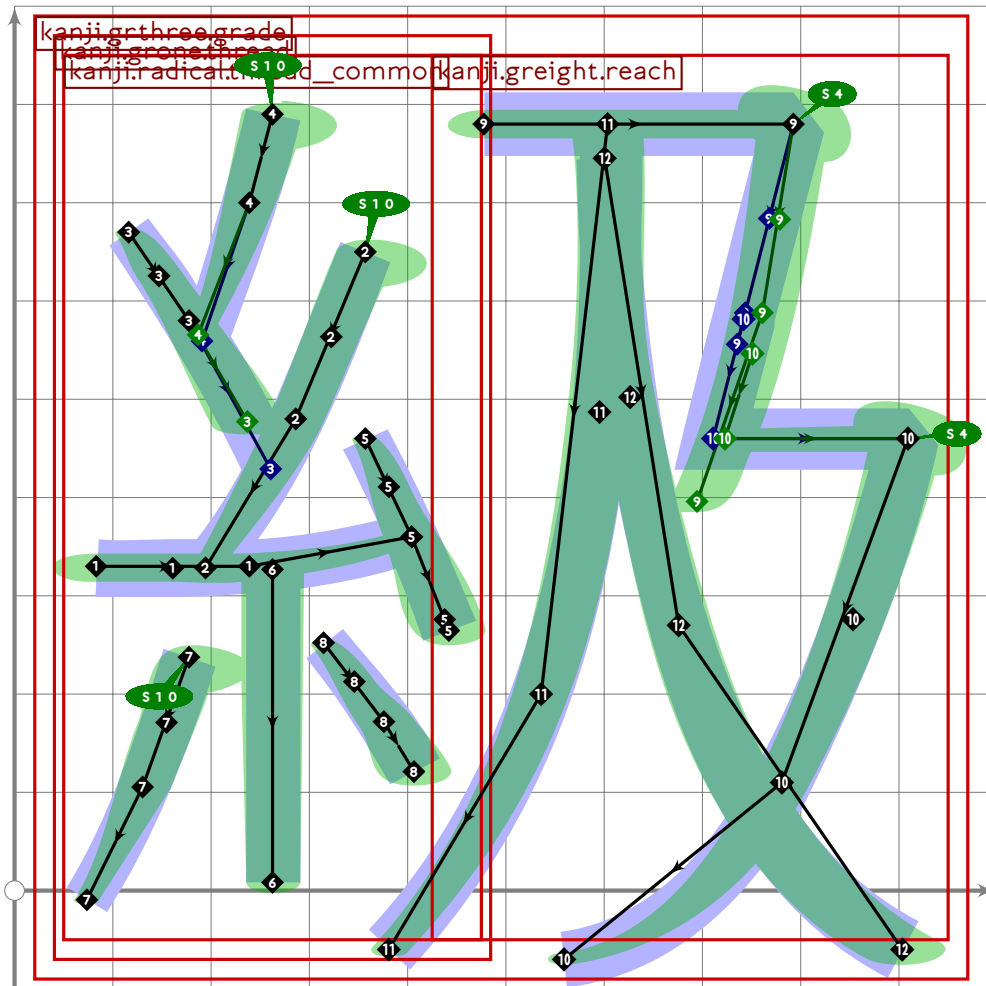
85
86 vardef kanji.grtwo.paper =
87   push_pbox_toexpand("kanji.grtwo.paper");
88   build_kanji.lr(450,60-10*mincho)
89     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
90     (kanji.grfour.clan);
91   expand_pbox;
92 enddef;
93
94
```



```

95
96 vardef kanji.grthree.final =
97   push_pbox_toexpand("kanji.grthree.final");
98   build_kanji.lr(450,0)
99   (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
100   (kanji.grtwo.winter);
101   expand_pbox;
102 enddef;

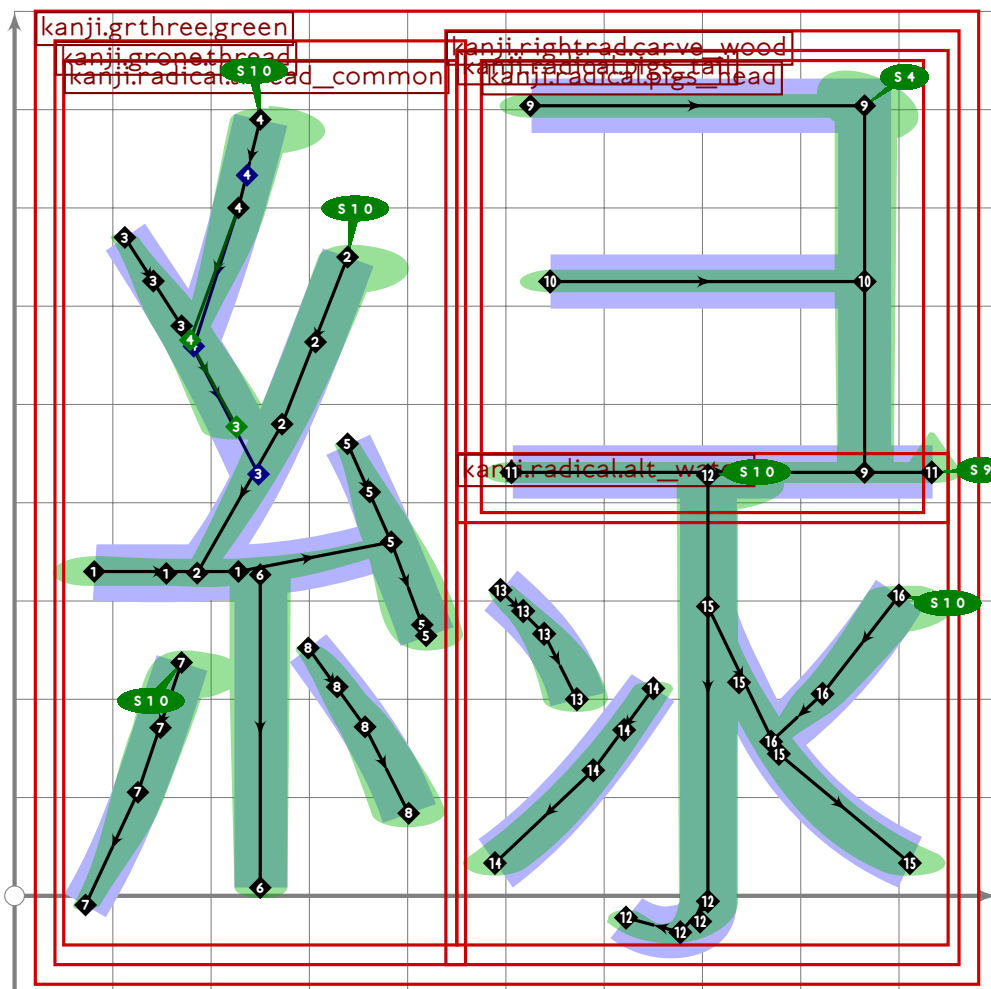
```



```

103
104 vardef kanji.grthree.grade =
105   push_pbox_toexpand("kanji.grthree.grade");
106   build_kanji.lr(450,50)
107     (build_kanji.lift_skirt(300,100)
108       (kanji.grone.thread;
109         replace_stroke(0)(subpath (0,1,6) of oldp)))
110     (kanji.greight.reach);
111   replace_stroke(-1)((point 0 of oldp)..tension 1.2..
112     ((0,-90)+point 1 of oldp)..((-50,0)+point 2 of oldp));
113   expand_pbox;
114 enddef;

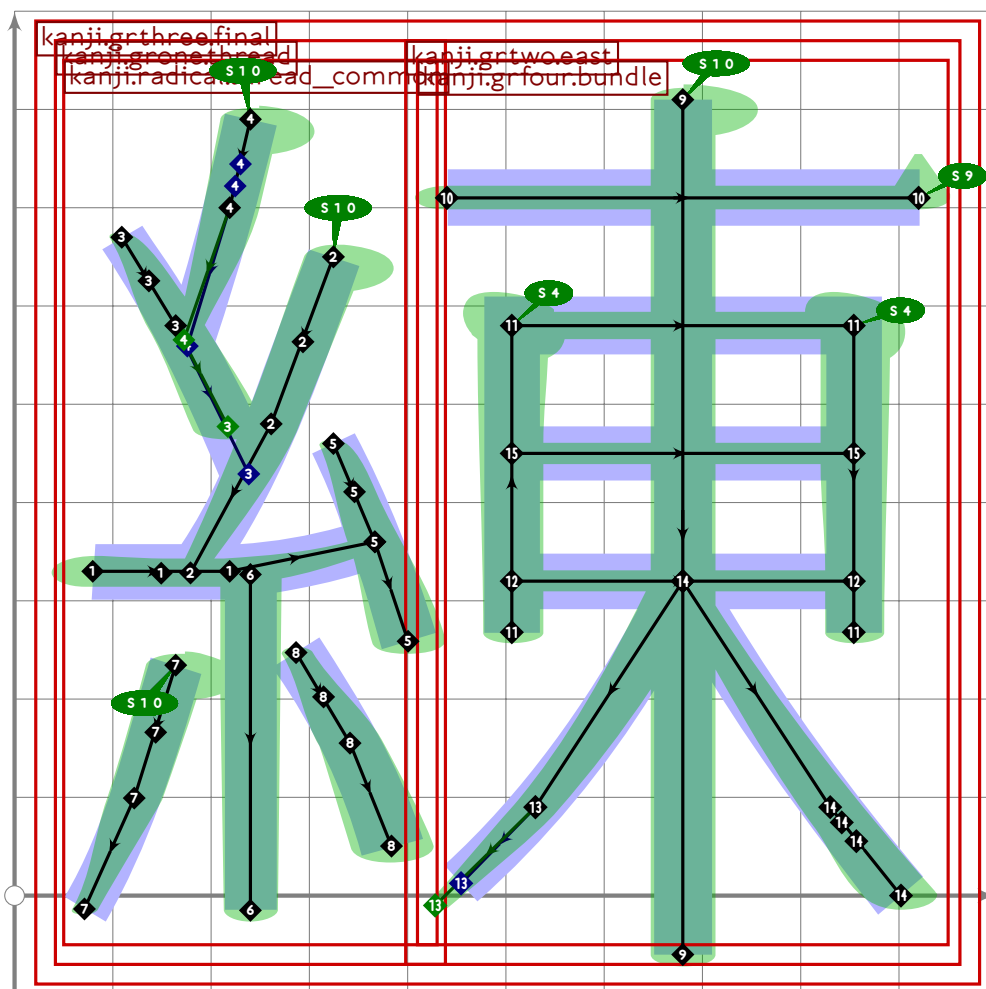
```

```

115
116 vardef kanji.grthree.green =
117   push_pbox_toexpand("kanji.grthree.green");
118   build_kanji.lr(450,0)
119     (build_kanji.lift_skirt(300,100)(kanji.grone.thread))
120     (kanji.rightrad.carve_wood);
121   expand_pbox;
122 enddef;

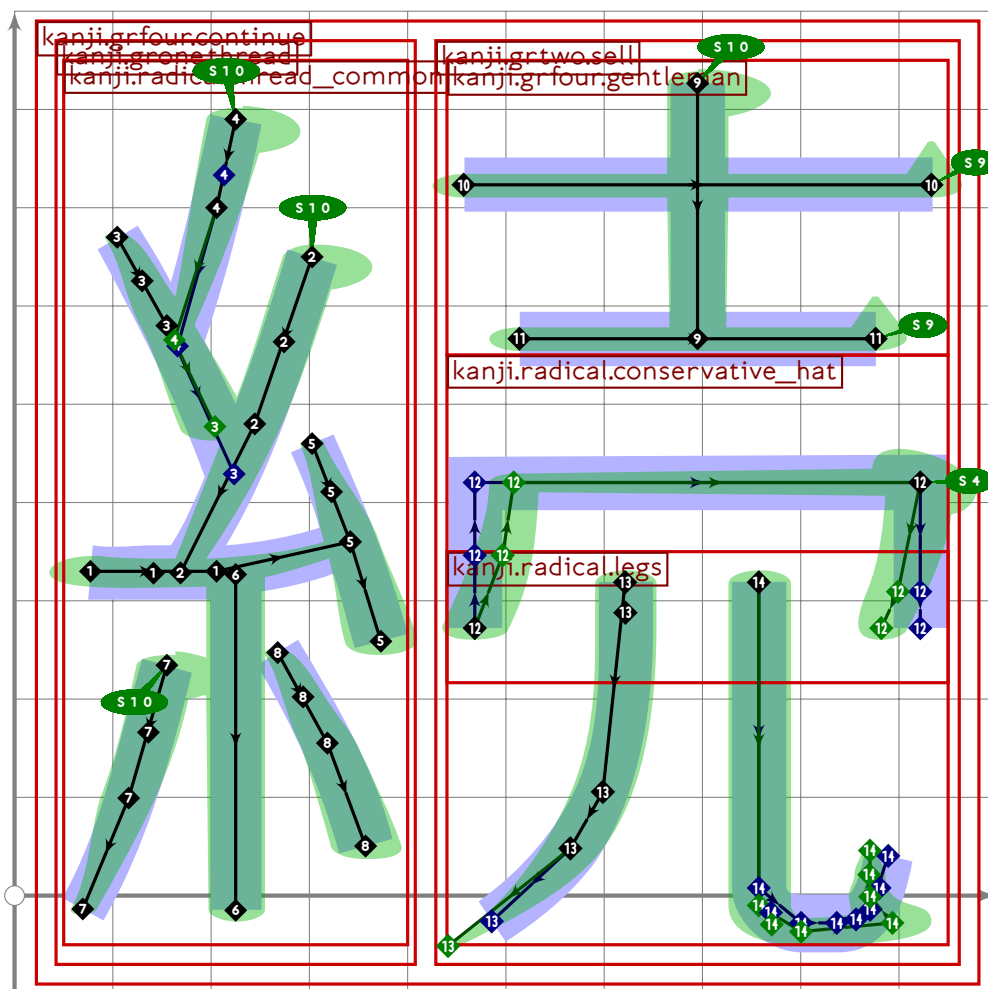
```



```

123
124 vardef kanji.grthree.knead =
125   push_pbox_toexpand("kanji.grthree.final");
126   build_kanji.lr(420,20)
127     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
128     (kanji.grtwo.east);
129   expand_pbox;
130 enddef;
131
132

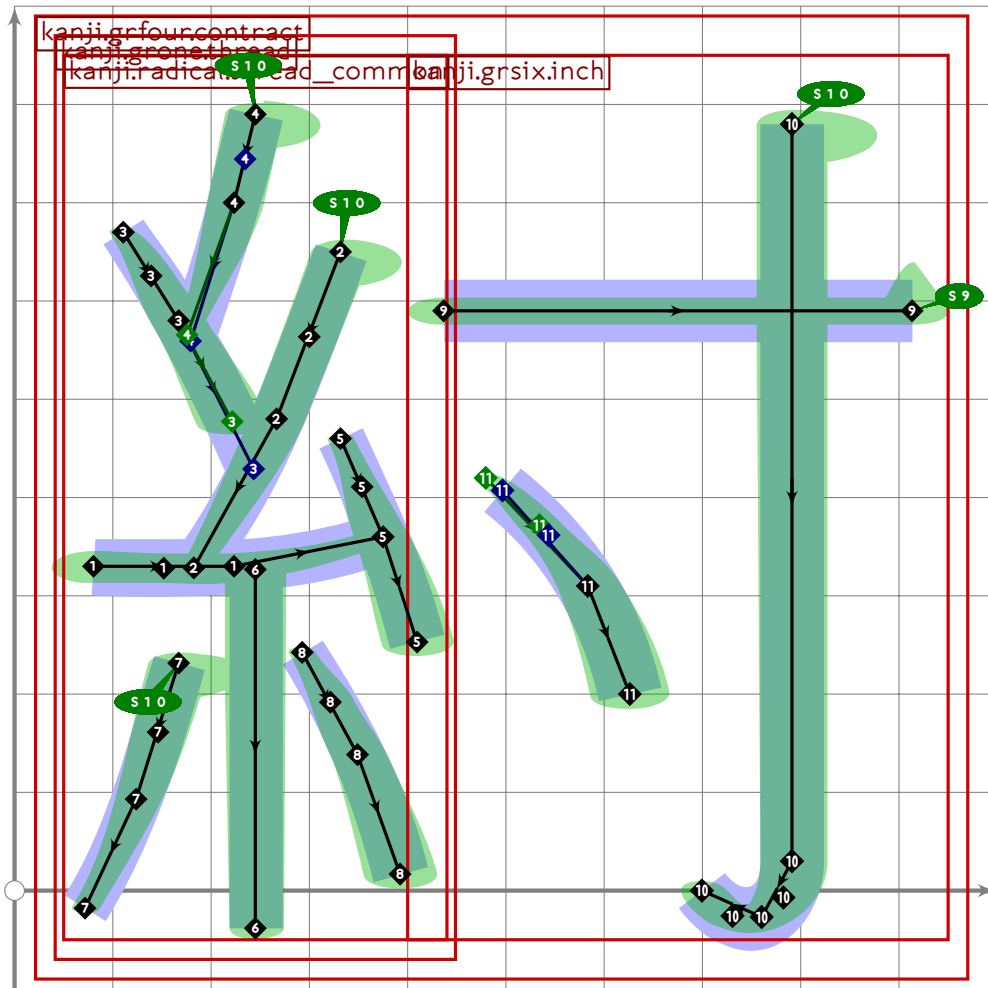
```



```

133
134 vardef kanji.grfour.continue =
135   push_pbox_toexpand("kanji.grfour.continue");
136   build_kanji.lr(420,-40)
137     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
138     (kanji.grtwo.sell);
139   expand_pbox;
140 enddef;
141

```

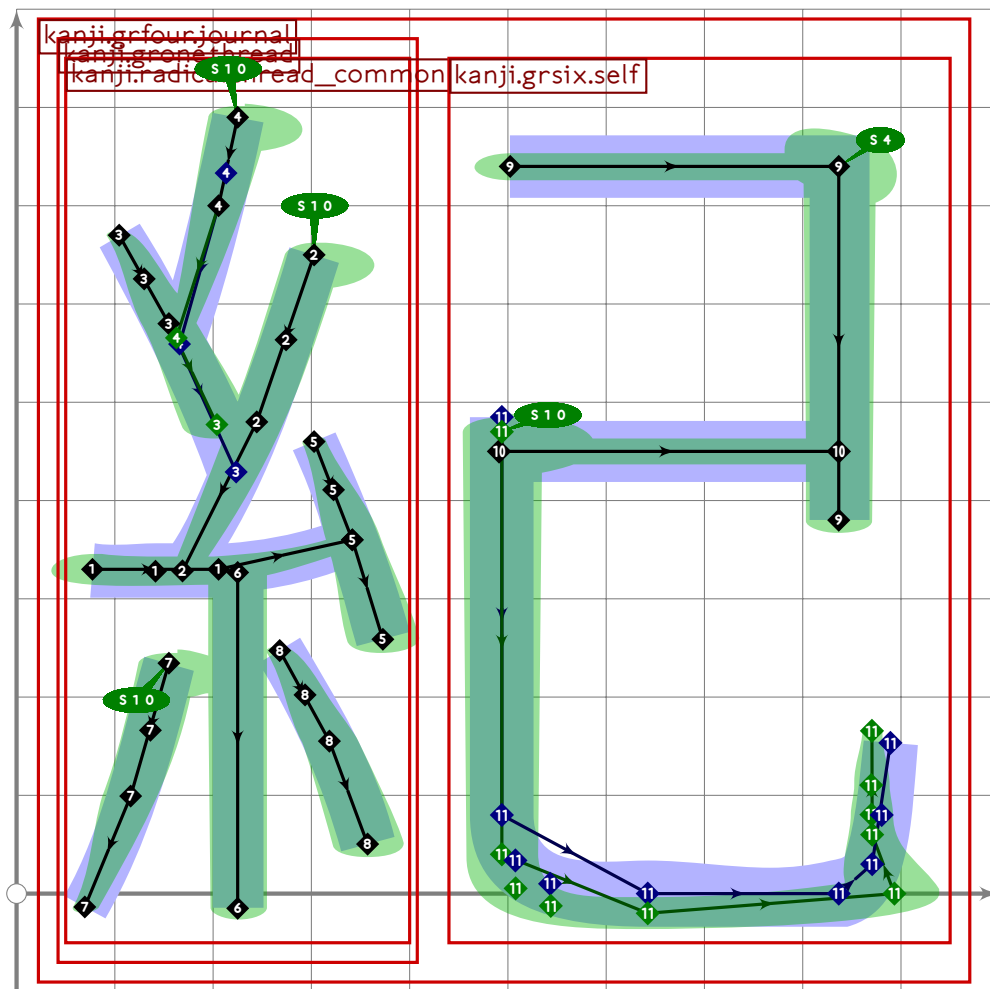


```

142 % both "shrink" and "agreement"!
143 vardef kanji.grfour.contract =
144   push_pbox_toexpand("kanji.grfour.contract");
145   build_kanji.lr(420,40)
146     (build_kanji.lift_skirt(300,20)(kanji.grone.thread))
147     (kanji.grsix.inch);
148   expand_pbox;
149 enddef;

```

U+7D00
tsuku.uni7D00

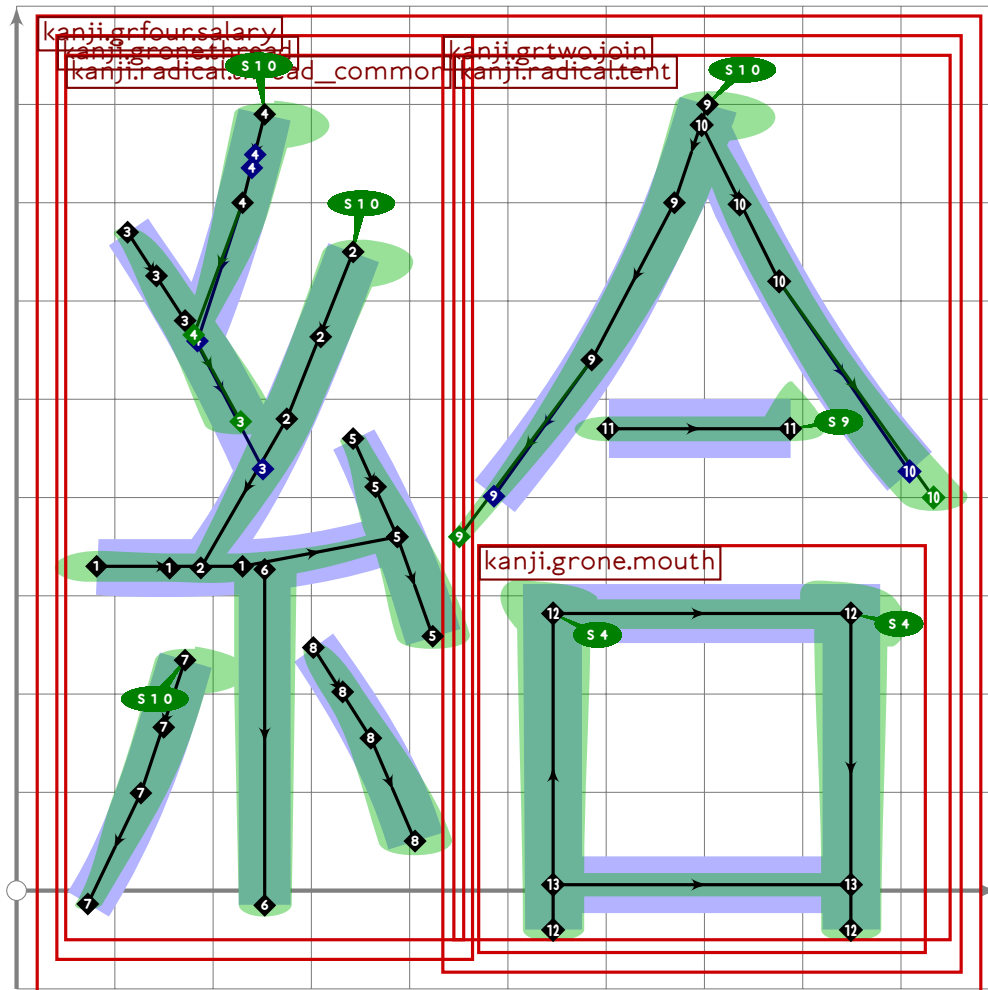


```

150
151 vardef kanji.grfour.journal =
152   push_pbox_toexpand("kanji.grfour.journal");
153   build_kanji.lr(420,-40)
154   (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
155   (kanji.grsix.self);
156   expand_pbox;
157 enddef;

```

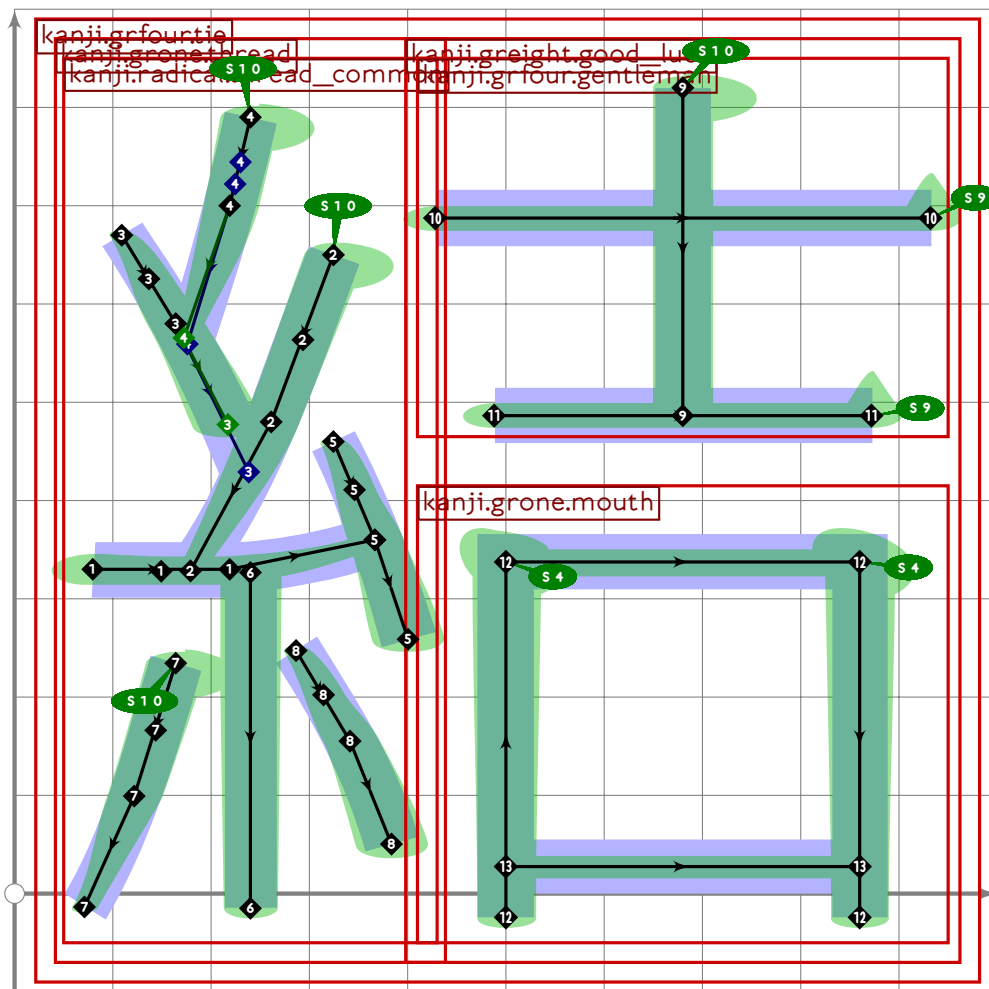
7D



```

158
159 vardef kanji.grfour.salary =
160   push_pbox_toexpand("kanji.grfour.salary");
161   build_kanji.lr(450,10)
162     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
163     (kanji.grtwo.join);
164   expand_pbox;
165 enddef;

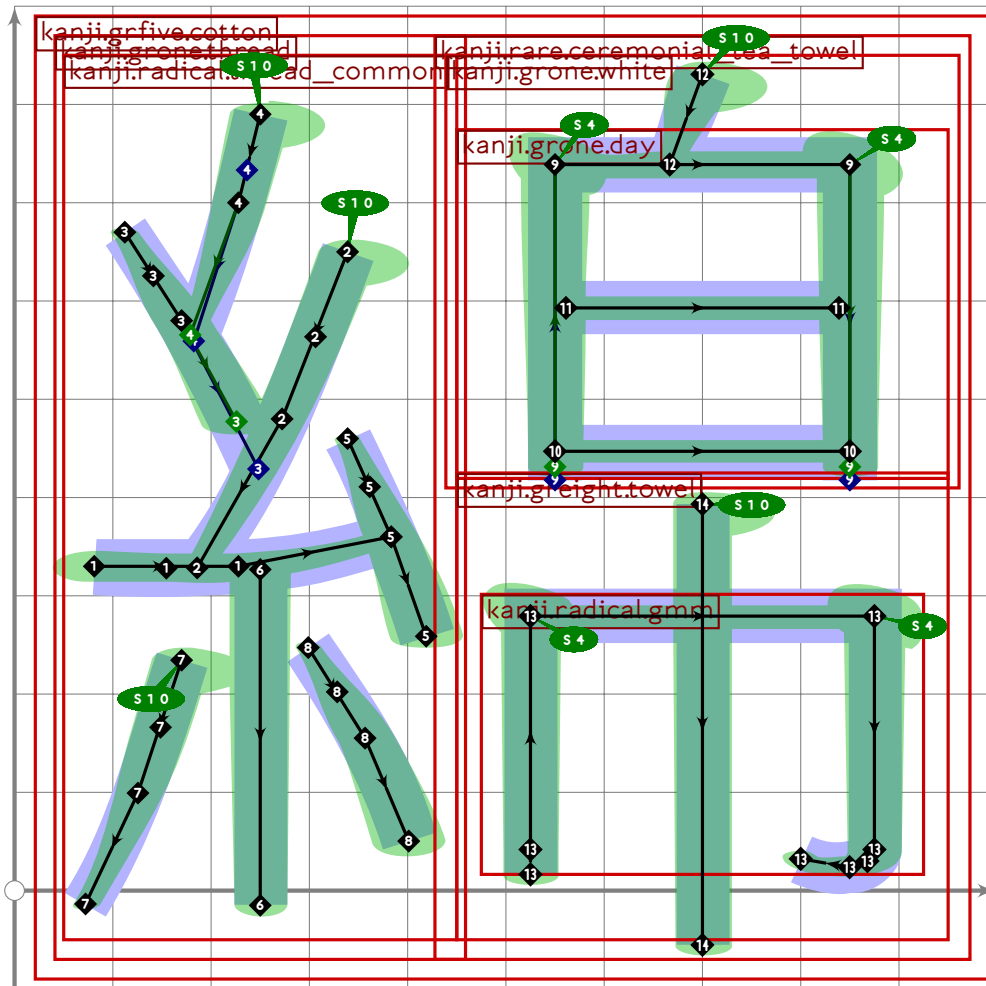
```



```

166
167 vardef kanji.grfourtie =
168   push_pbox_toexpand("kanji.grfourtie");
169   build_kanji.lr(420,20)
170     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
171     (kanji.greight.good_luck);
172   expand_pbox;
173 enddef;
174
175 _____

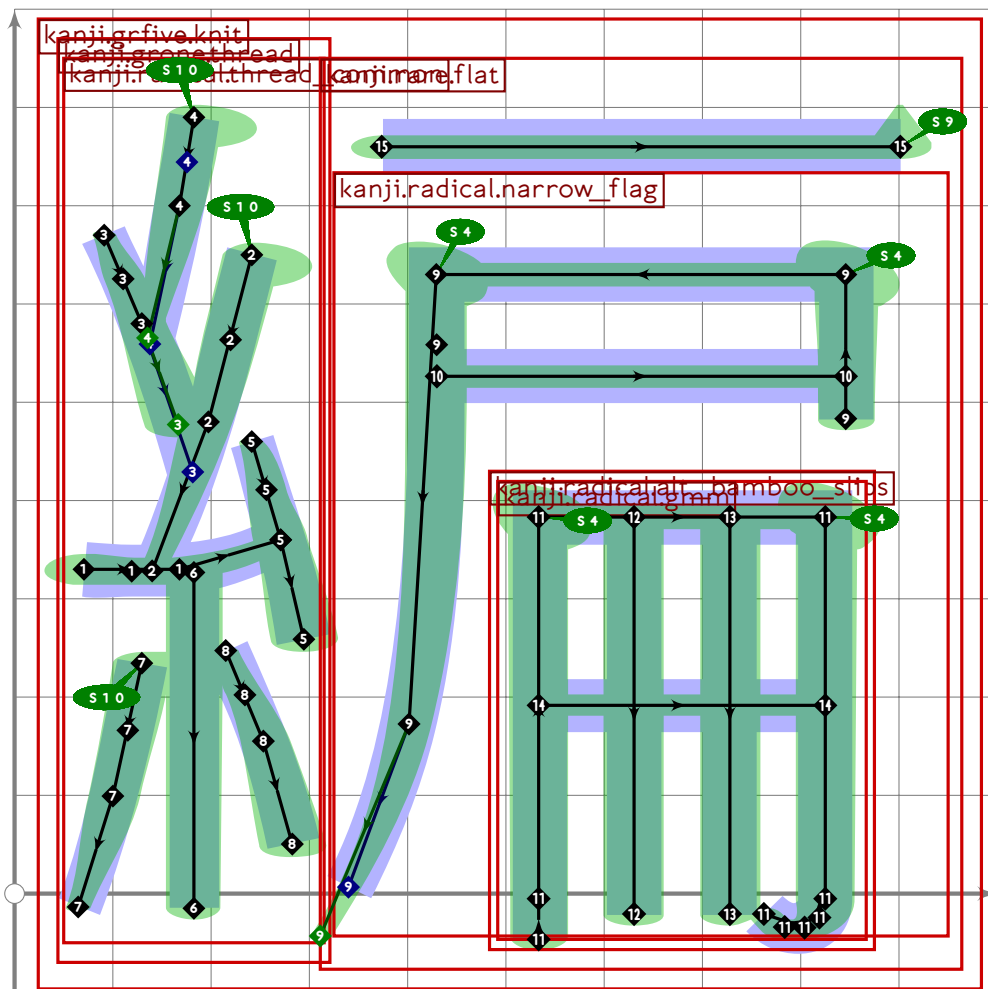
```



```

176
177 vardef kanji.grfive.cotton =
178   push_pbox_toexpand("kanji.grfive.cotton");
179   build_kanji.lr(450,0)
180     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
181     (kanji.rare.ceremonial_tea_towel);
182   expand_pbox;
183 enddef;

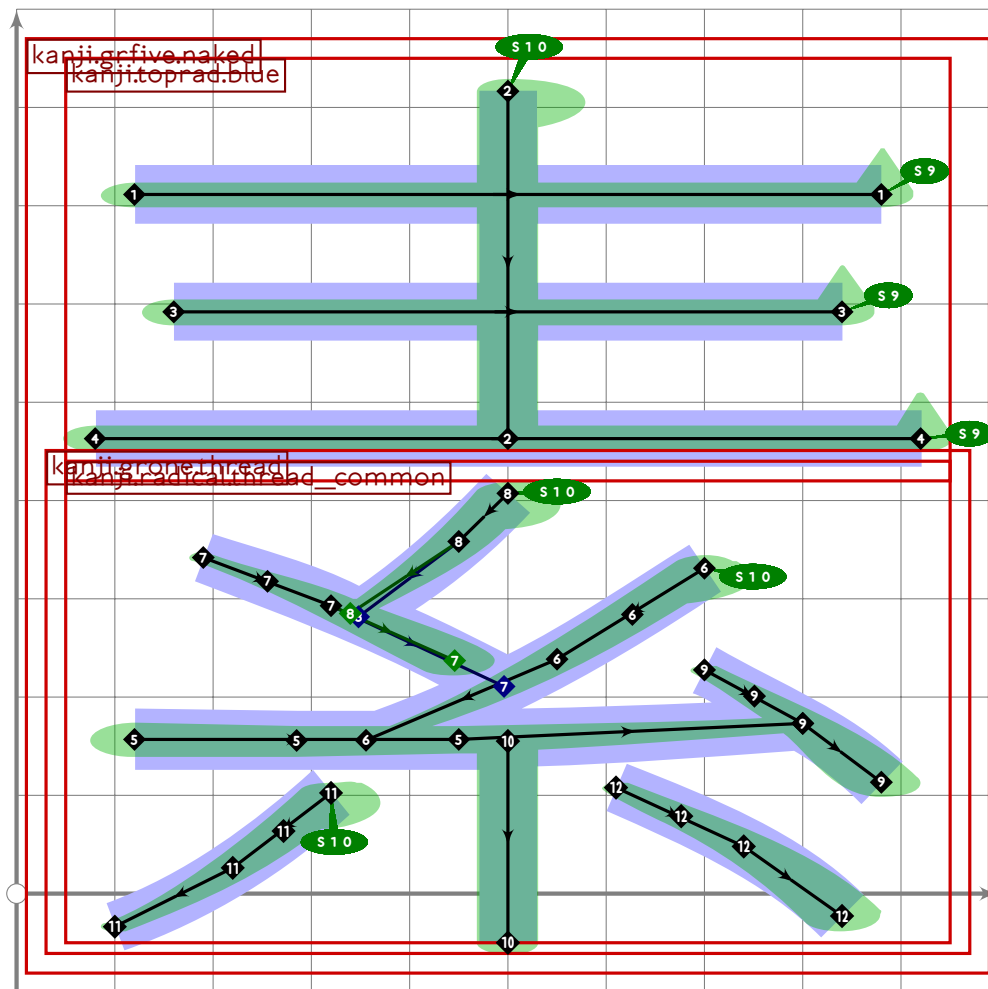
```

```

184
185 vardef kanji.grfive.knit =
186   push_pbox_toexpand("kanji.grfive.knit");
187   build_kanji.lr(320,-10)
188     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
189     (kanji.rare.flat);
190   expand_pbox;
191 enddef;

```

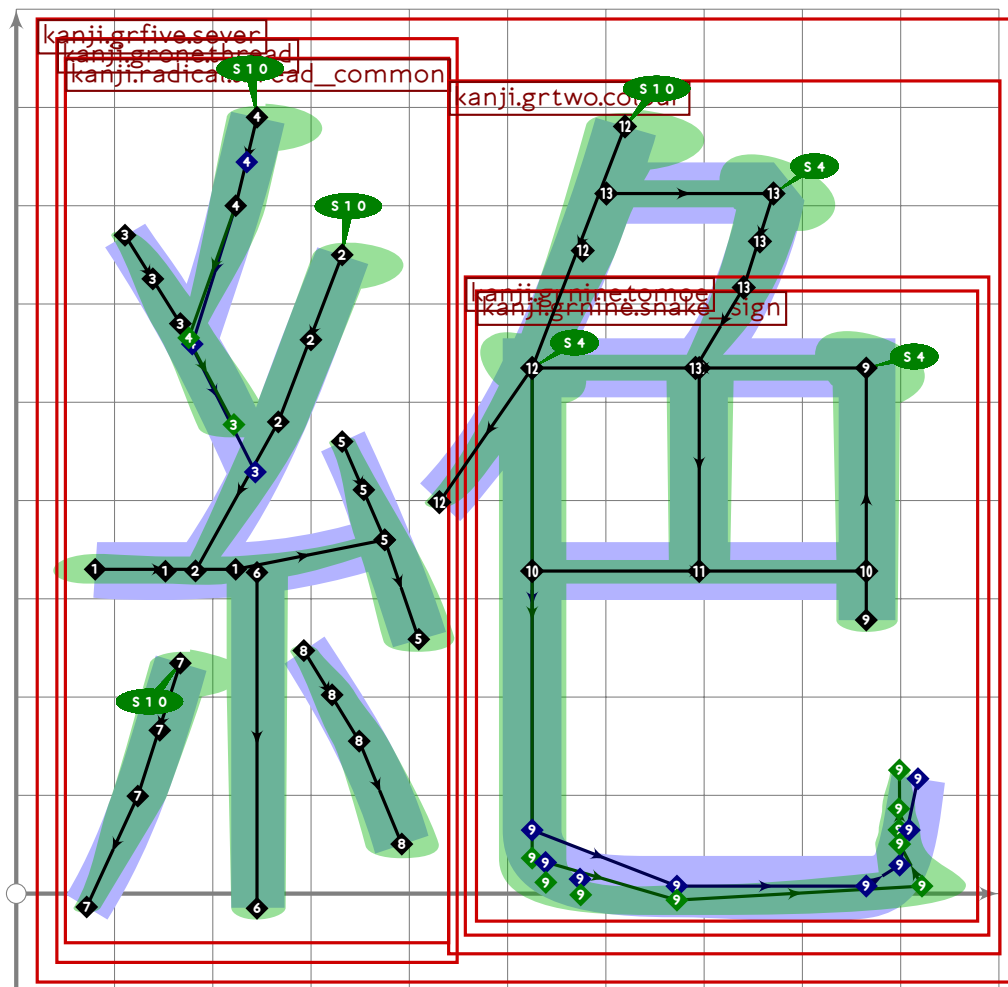


```

192
193 vardef kanji.grfive.naked =
194   push_pbox_toexpand("kanji.grfive.naked");
195   build_kanji.level(build_kanji.tb(430,20)
196     (kanji.toprad.blue)
197     (kanji.grone.thread));
198   expand_pbox;
199 enddef;

```

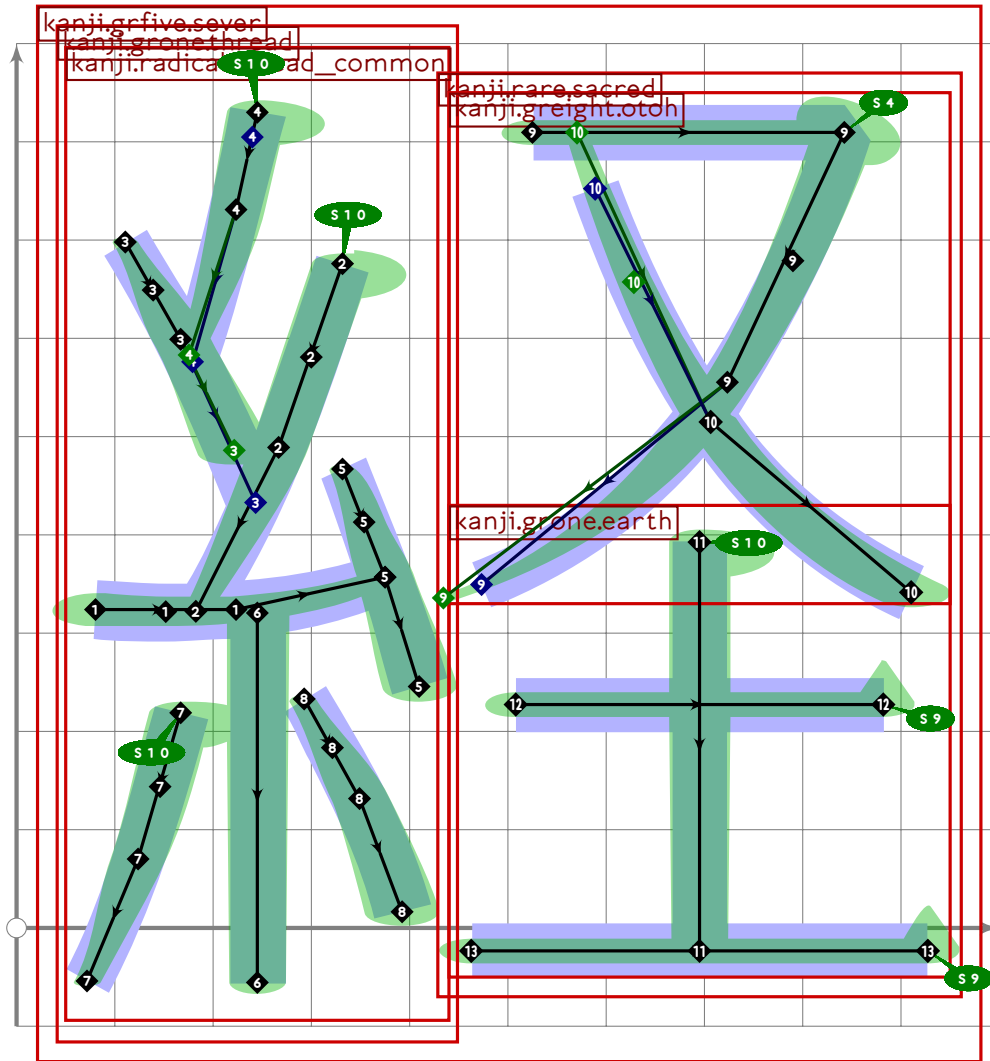
U+7D76
tsuku.uni7D76



```

200
201 vardef kanji.grfive.sever =
202   push_pbox_toexpand("kanji.grfive.sever");
203   build_kanji.lr(440,0)
204     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
205     (build_kanji.sscale(xyscaled (1,0.95))(kanji.grtwo.colour));
206   expand_pbox;
207 enddef;

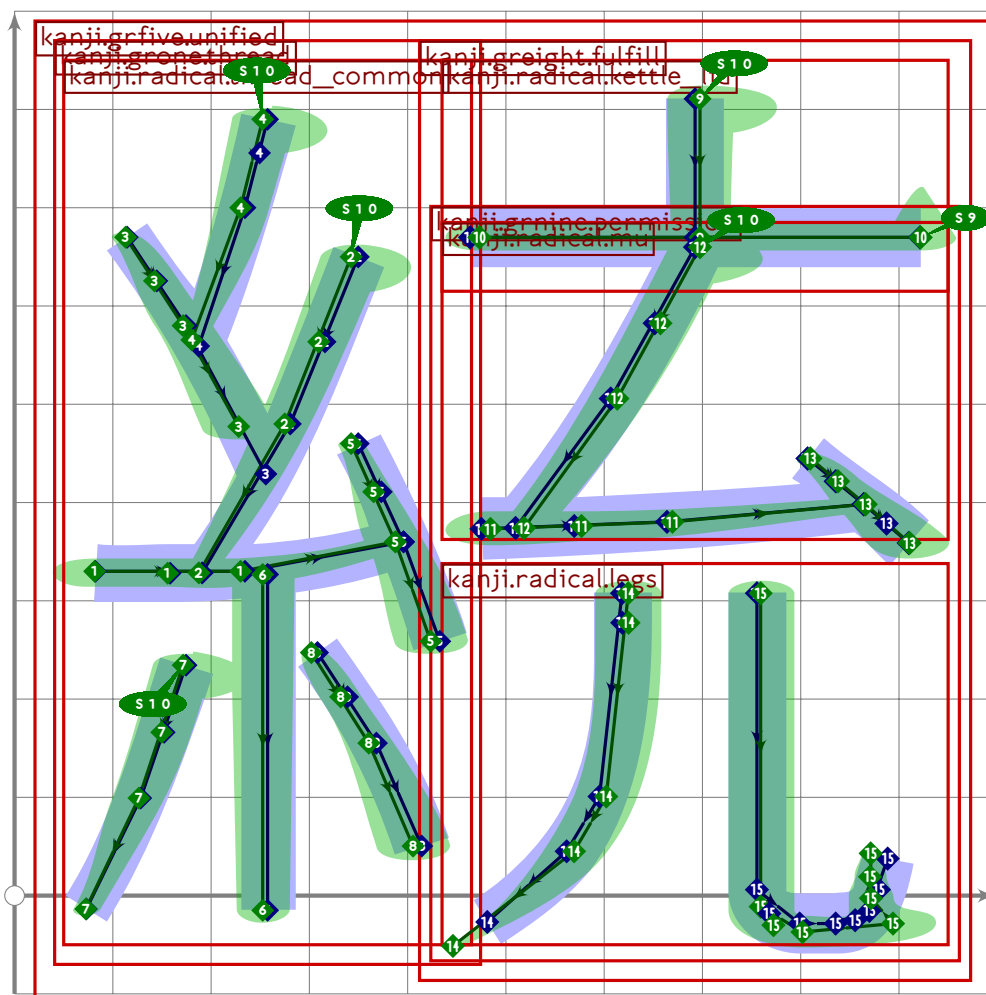
```



```

208
209 vardef kanji.grfive.sutra =
210   push_pbox_toexpand("kanji.grfive.sever");
211   build_kanji.level(build_kanji.lr(440,0)
212     (build_kanji.sscale(yscaled 1.10)(build_kanji.lift_skirt(300,60)
213       (kanji.grone.thread)))
214     (kanji.rare.sacred));
215   expand_pbox;
216 enddef;

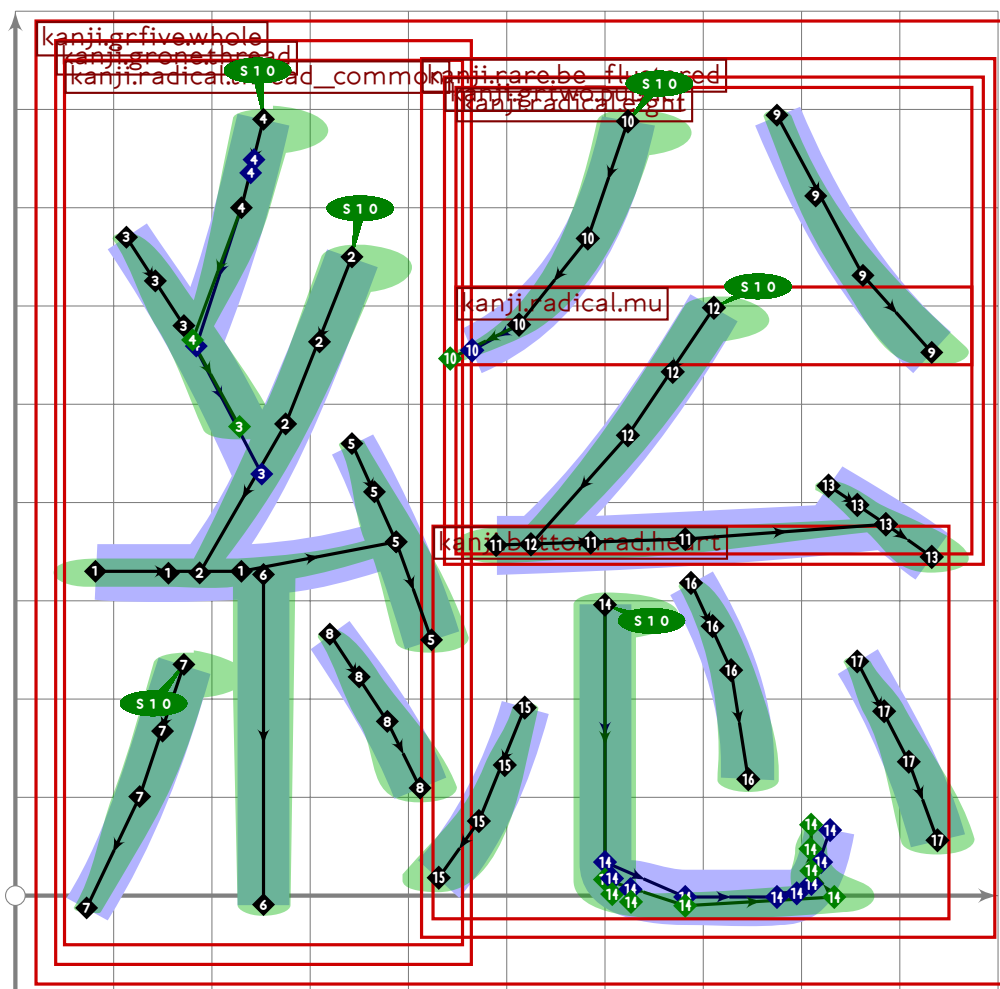
```



```

217
218 vardef kanji.grfive.unified =
219   push_pbox_toexpand("kanji.grfive.unified");
220   build_kanji.lr(450,30-20*mincho)
221     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
222     (kanji.greight. fulfill);
223   expand_pbox;
224 enddef;

```



```

225
226 vardef kanji.grfive.whole =
227   push_pbox_toexpand("kanji.grfive.whole");
228   build_kanji.level(build_kanji.lr(440,30)
229     (build_kanji.lift_skirt(300,70)
230       (kanji.grone.thread;
231         replace_stroke(0)(subpath (0,1,7) of oldp shifted (40,20))))
232     (build_kanji.sscale(xyscaled (1,0,94)
233       (kanji.rare.be_flustered;
234         replace_stroke(-2)(oldp shifted (0,-50))))));
235   expand_pbox;
236 enddef;

```

237

238

239

240 % ki "journal"

241 begintsuglyph("uni7D00",0);

242 kanji.grfour:journal;

243 tsu_render;

244 endtsuglyph;

245

[see page 3308]

246 % yaku/tsudzu "contract"
 247 begintsuglyph("uni7D04";4);
 248 kanji.grfour.contract;
 249 tsu_render;
 250 endtsuglyph;
 251

[see page 3307]

252 % shi/kami "paper"
 253 begintsuglyph("uni7D19";25);
 254 kanji.grtwo.paper;
 255 tsu_render;
 256 endtsuglyph;
 257

[see page 3301]

258 % kyuu "grade"
 259 begintsuglyph("uni7D1A";26);
 260 kanji.grthree.grade;
 261 tsu_render;
 262 endtsuglyph;
 263

[see page 3303]

264 % su/moto "naked"
 265 begintsuglyph("uni7D20";32);
 266 kanji.grfive.naked;
 267 tsu_render;
 268 endtsuglyph;
 269

[see page 3313]

270 % dai/hoso "dainty"
 271 begintsuglyph("uni7D30";48);
 272 kanji.grtwo.dainty;
 273 tsu_render;
 274 endtsuglyph;
 275

[see page 3298]

276 % shuu/o "final"
 277 begintsuglyph("uni7D42";66);
 278 kanji.grthree.final;
 279 tsu_render;
 280 endtsuglyph;
 281

[see page 3302]

282 % so/ku "assemble"
 283 begintsuglyph("uni7D44";68);
 284 kanji.grtwo.assemble;
 285 tsu_render;
 286 endtsuglyph;
 287

[see page 3297]

288 % kei/tate "sutra" (and many other meanings)
 289 begintsuglyph("uni7D4C";76);
 290 kanji.grfive.sutra;
 291 tsu_render;
 292 endtsuglyph;
 293

[see page 3315]

294 % ketsu/musu "tie"
 295 begintsuglyph("uni7D50";80); [see page 3310]
 296 kanji.grfour.tie;
 297 tsu_render;
 298 endtsuglyph;
 299
 300 % kyuu/tama "salary"
 301 begintsuglyph("uni7D66";102); [see page 3309]
 302 kanji.grfour.salary;
 303 tsu_render;
 304 endtsuglyph;
 305
 306 % tou/su "unified"
 307 begintsuglyph("uni7D71";113); [see page 3316]
 308 kanji.grfive.unified;
 309 tsu_render;
 310 endtsuglyph;
 311
 312 % kai/e "picture"
 313 begintsuglyph("uni7D75";117); [see page 3299]
 314 kanji.grtwo.drawing;
 315 tsu_render;
 316 endtsuglyph;
 317
 318 % zetsu/tae "sever"
 319 begintsuglyph("uni7D76";118); [see page 3314]
 320 kanji.grfive.sever;
 321 tsu_render;
 322 endtsuglyph;
 323
 324 % zoku/tsudzu "continue"
 325 begintsuglyph("uni7D9A";154); [see page 3306]
 326 kanji.grfour.continue;
 327 tsu_render;
 328 endtsuglyph;
 329
 330 % men/wata "cotton"
 331 begintsuglyph("uni7DBF";191); [see page 3311]
 332 kanji.grfive.cotton;
 333 tsu_render;
 334 endtsuglyph;
 335
 336 % sou/subete "whole"
 337 begintsuglyph("uni7DCF";207); [see page 3317]
 338 kanji.grfive.whole;
 339 tsu_render;
 340 endtsuglyph;
 341


```

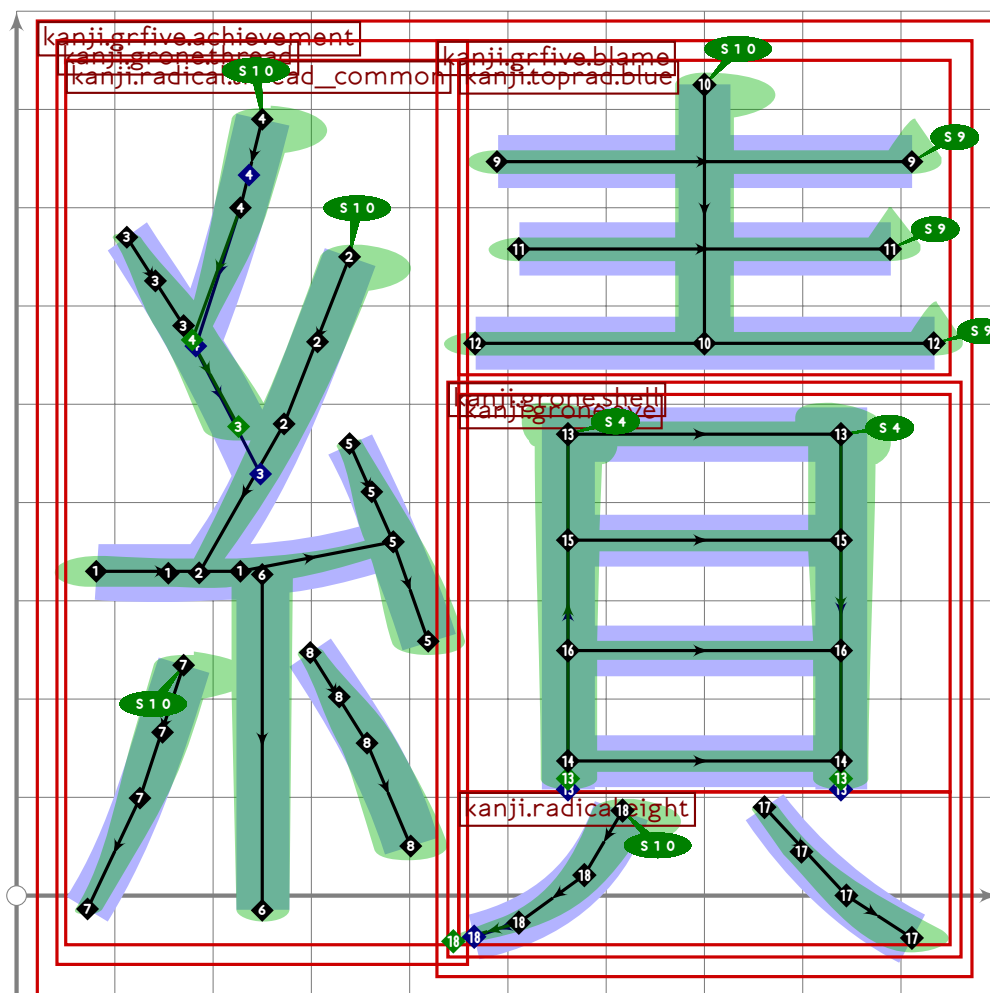
342 % ryoku/midori "green"
343 begintsuglyph("uni7DD1";209); [see page 3304]
344   kanji.grthree.green;
345   tsu_render;
346 endtsuglyph;
347
348 % sen/suji "line" (geometric, rail, telephone)
349 begintsuglyph("uni7DDA";218); [see page 3300]
350   kanji.grtwo.line;
351   tsu_render;
352 endtsuglyph;
353
354 % hen/amu "knit" and metaphorically "edit"
355 begintsuglyph("uni7DE8";232); [see page 3312]
356   kanji.grfive.knit;
357   tsu_render;
358 endtsuglyph;
359
360 % ren/nuri "knead" or "paste"
361 begintsuglyph("uni7DF4";244); [see page 3305]
362   kanji.grthree.knead;
363   tsu_render;
364 endtsuglyph;
365
366 _____
367
368 endfont;
369
370 _____

```

tsuku-7e.mp

```
1 %
2 % Unicode page 7E (Kanji) for Tsukurimashou
3 % Copyright (C) 2017 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 gradeone.mp;
39 input radical.mp;
40 input rare.mp;
41 input toprad.mp;
42
43 do_late_includes;
44
45
```

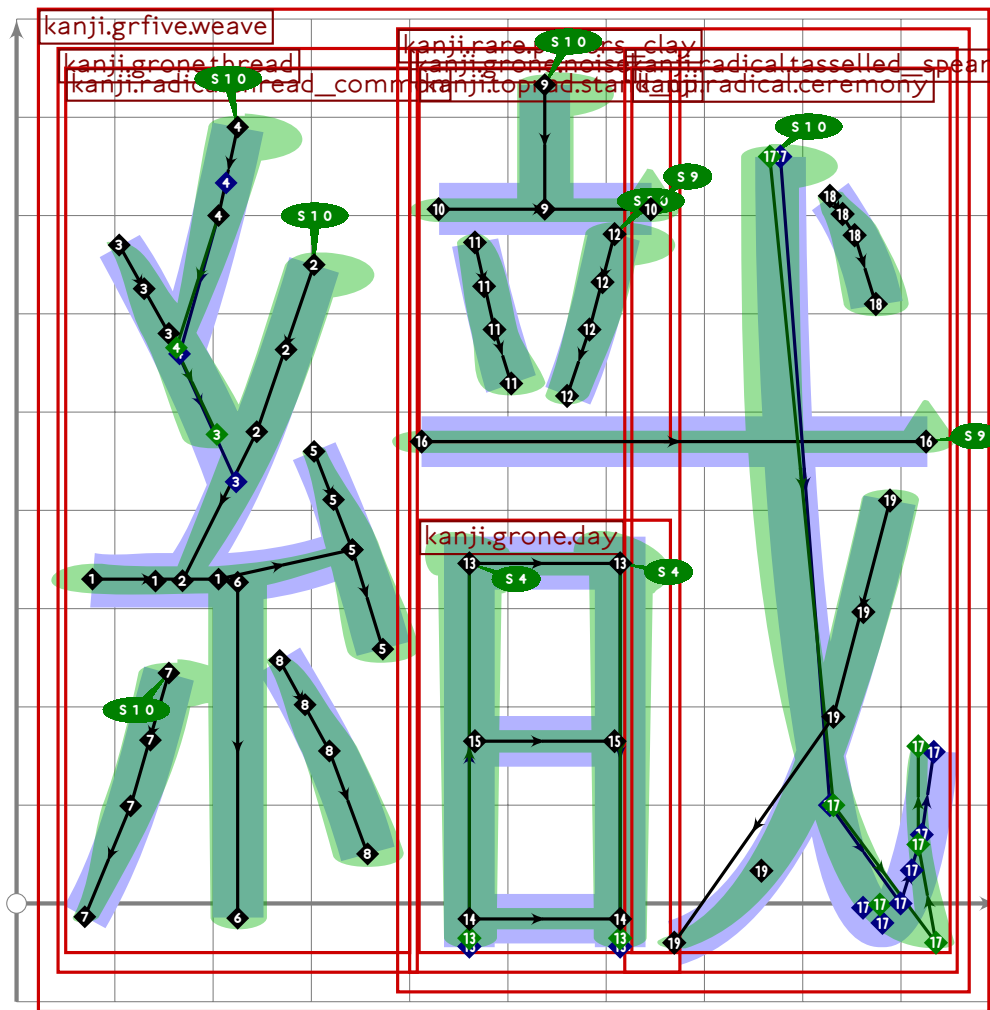
U+7E3E
tsuku.uni7E3E



```

46
47 vardef kanji.grfive.achievement =
48   push_pbox_toexpand("kanji.grfive.achievement");
49   build_kanji.lr(450,0)
50     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
51     (kanji.grfive.blame);
52   expand_pbox;
53 enddef;

```



```

54
55 vardef kanji.grfive.weave =
56   push_pbox_toexpand("kanji.grfive.weave");
57   build_kanji.lr(400,0)
58     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
59     (kanji.rare.potters_clay);
60   expand_pbox;
61 enddef;
62
63
64
65 % ki "journal"
66 begintsuglyph("uni7E3E";62);
67   kanji.grfive.achievement;
68   tsu_render;
69 endtsuglyph;
70
71 % shoku/ori "weave"
72 begintsuglyph("uni7E54";84);
73   kanji.grfive.weave;
74   tsu_render;

```

[see page 3322]

[see page 3323]

75 endtsuglyph;

76

77

78

79 endfont;

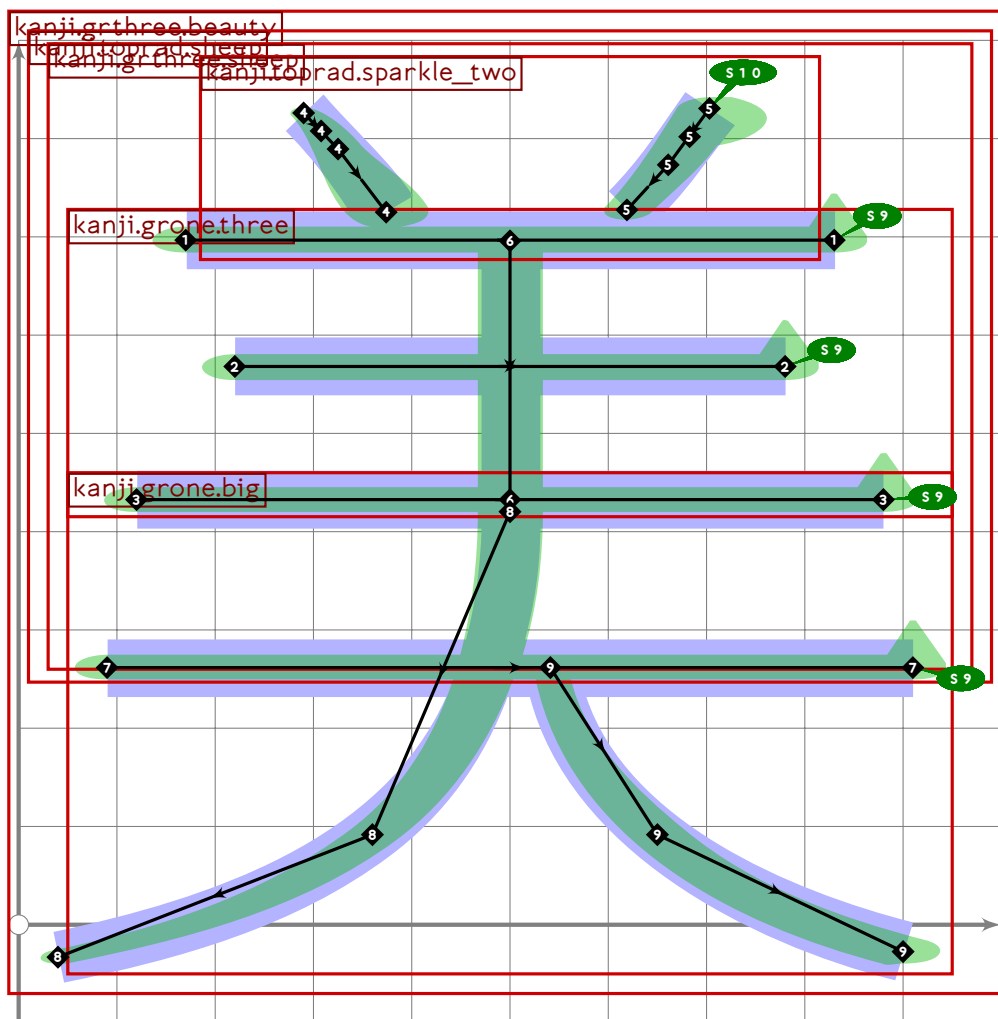
80

81

tsuku-7f.mp

```
1 %
2 % Unicode page 7F (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 _____
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradeone.mp;
41 input gradesix.mp;
42 input gradethree.mp;
43 input gradetwo.mp;
44 input leftrad.mp;
45 input radical.mp;
46 input rare.mp;
47 input toprad.mp;
48
49 do_late_includes;
50
51 _____
```

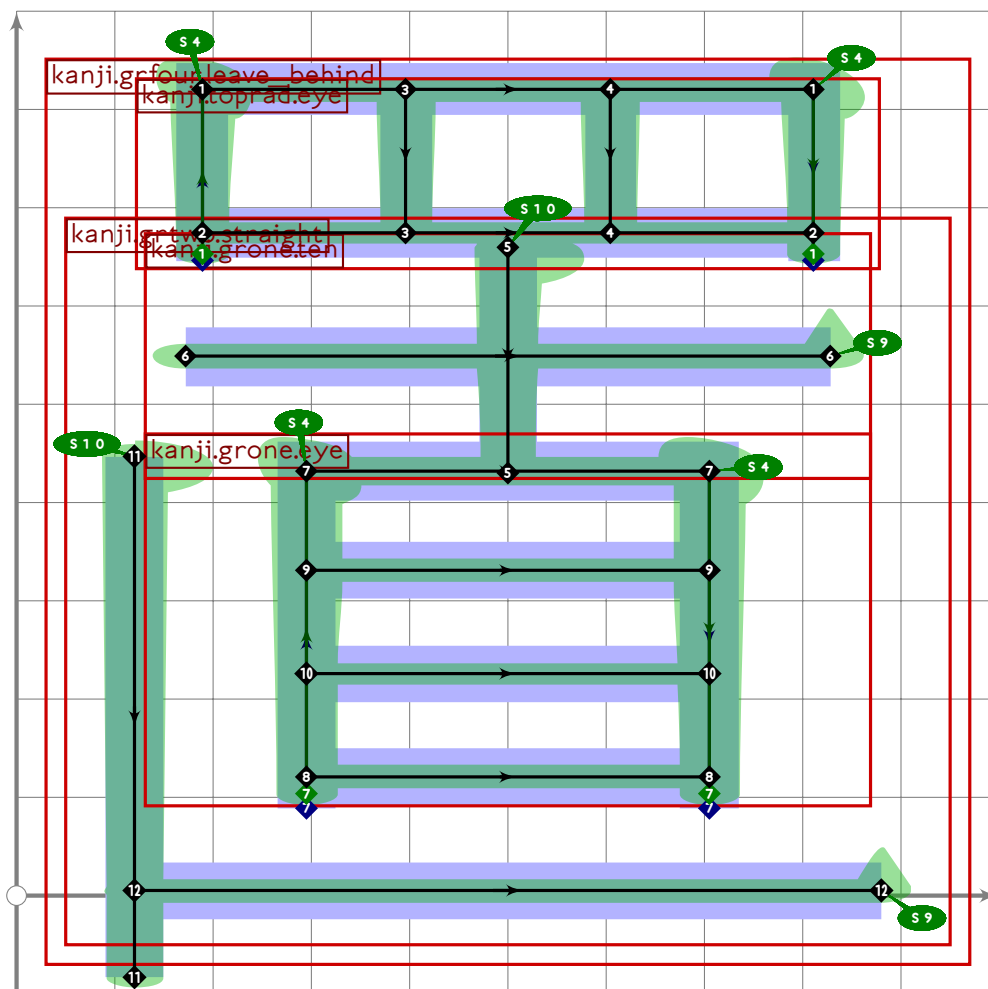
U+7F8E
tsuku.uni7F8E



```

52
53 vardef kanji.grthree.beauty =
54   push_pbox_toexpand("kanji.grthree.beauty");
55   build_kanji.level(build_kanji.tb(360,200)
56     (kanji.toprad.sheep)
57     (kanji.grone.big;
58       replace_strokep(-1)(oldp shifted (-10,0))));
59   expand_pbox;
60 enddef;
61
62

```

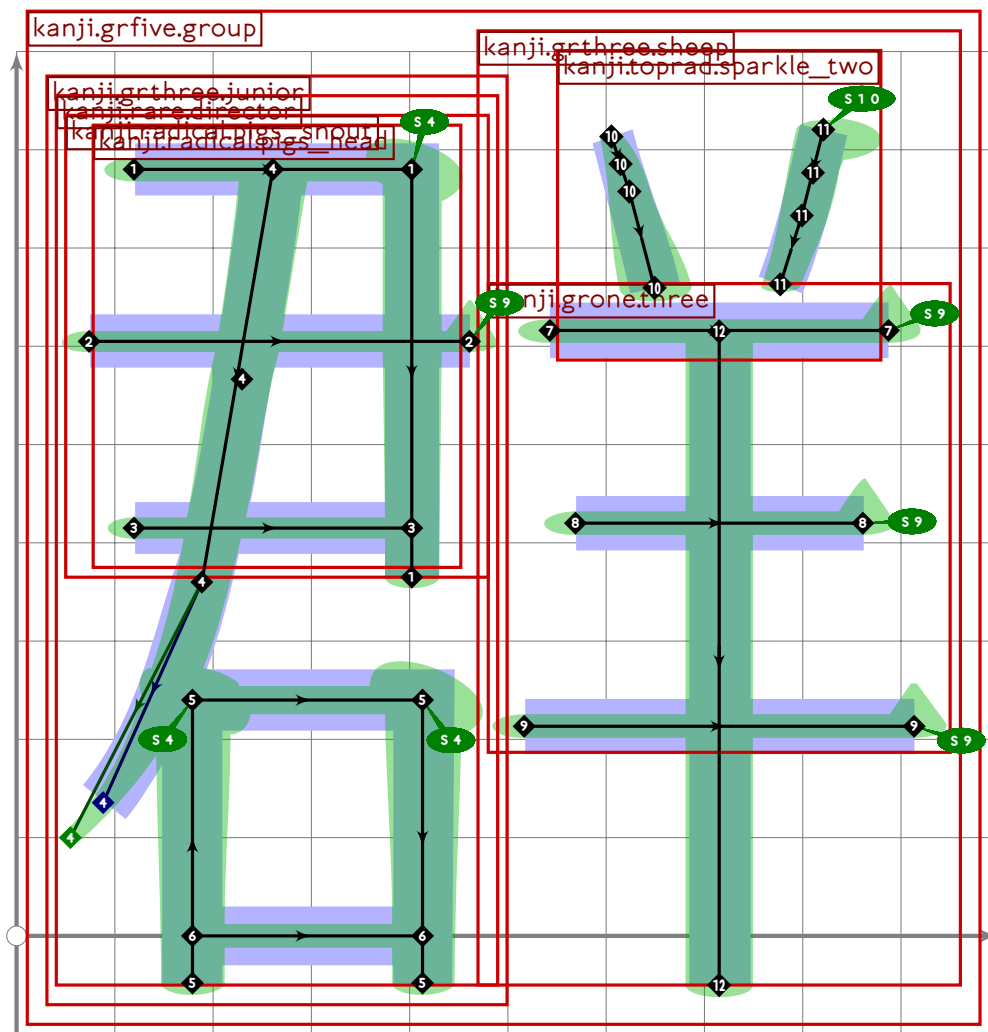


```

63
64 vardef kanji.grfour.leave_behind =
65   push_pbox_toexpand("kanji.grfour.leave_behind");
66   build_kanji.tb(640,40)
67   (build_kanji.sscale(scaled 0.84)(kanji.toprad.eyeye))
68   (kanji.grtwo.straight);
69   expand_pbox;
70 enddef;
71
72

```

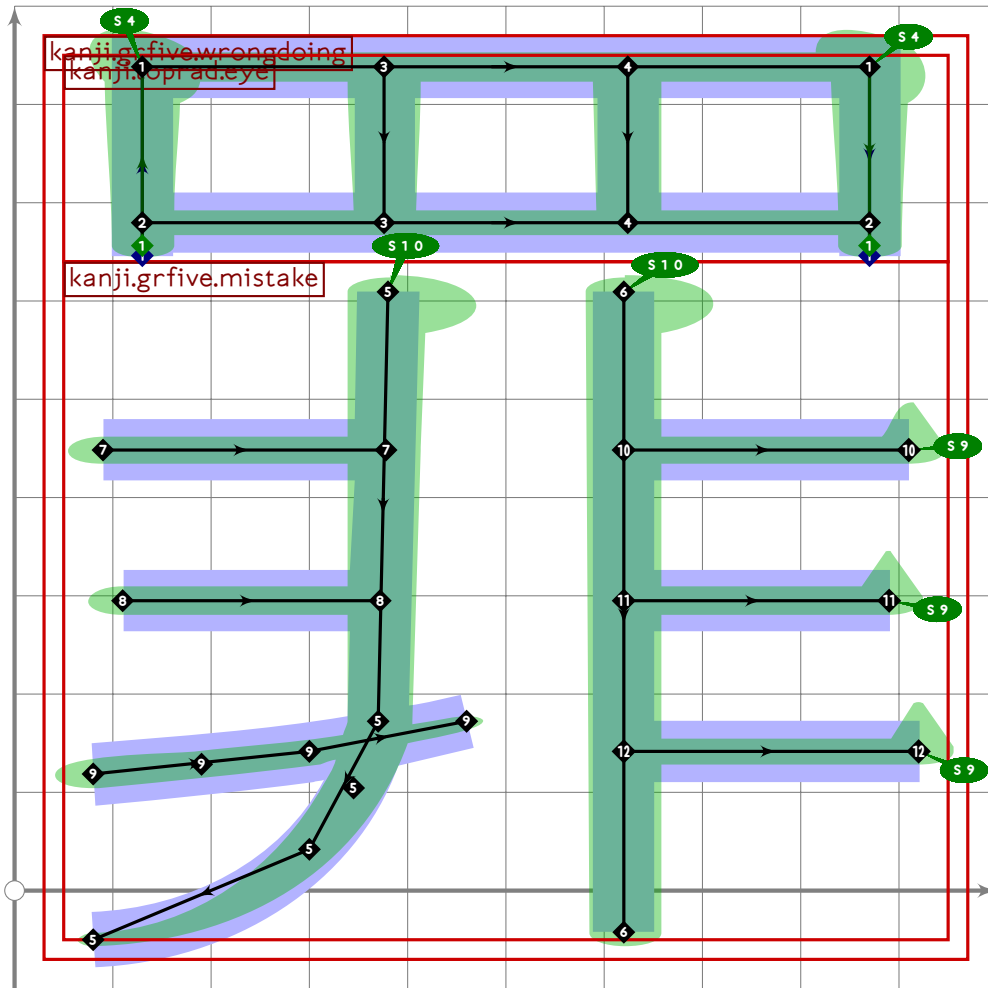

U+7FA4
tsuku.uni7FA4



```

73
74 vardef kanji.grfive.group =
75   push_pbox_toexpand("kanji.grfive.group");
76   build_kanji.lr(480,0)
77     (kanji.grthree.junior)
78     (kanji.grthree.sheep);
79   expand_pbox;
80 enddef;

```



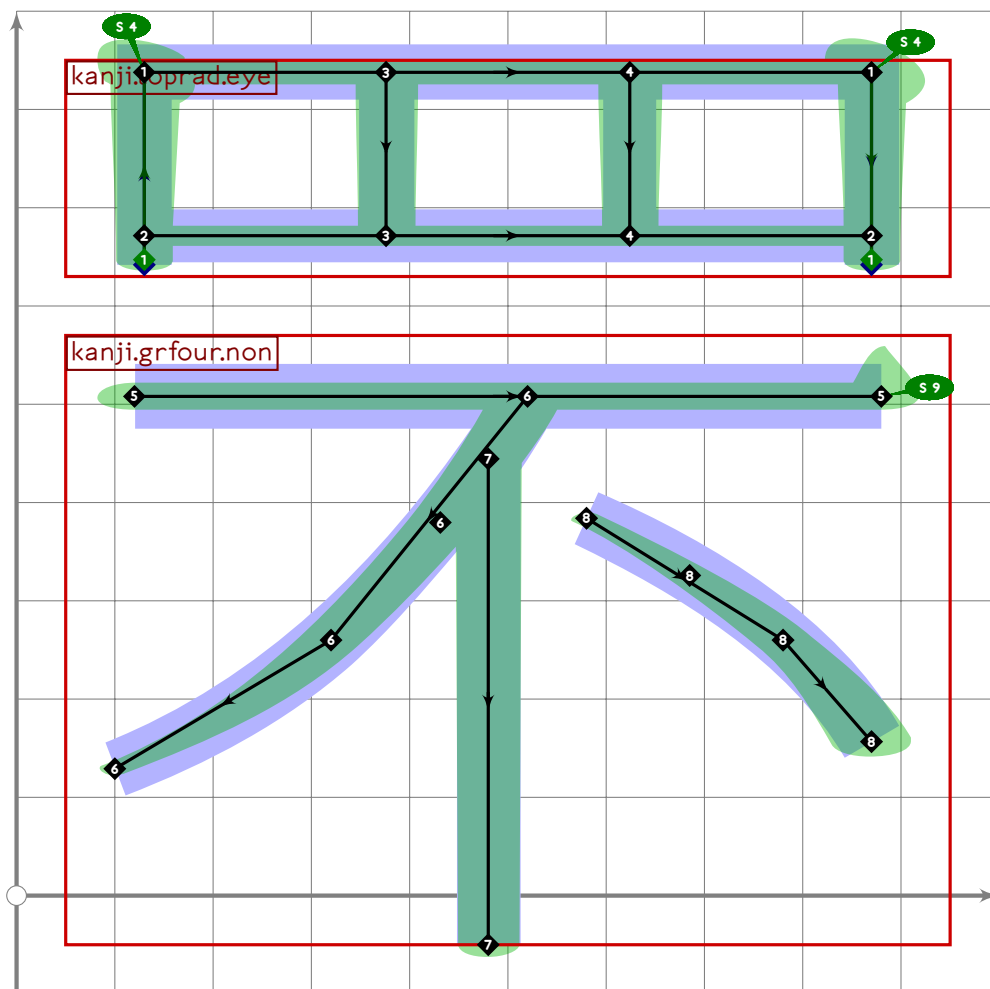
```

81
82 vardef kanji.grfive.wrongdoing =
83   push_pbox_toexpand("kanji.grfive.wrongdoing");
84   build_kanji.level(build_kanji.tb(640,0)
85     (kanji.toprad.eyu)
86     (kanji.grfive.mistake));
87   expand_pbox;
88 enddef;
89
90
91
92 % kan/kama "tin can"
93 beginsuglyph("uni7F36",54);
94   kanji.greight.tin_can;
95   tsu_render;
96 endtsuglyph;
97

```

[see page 936]

U+7F58
tsuku.uni7F58



98 % extra: fu/usagiami "rabbit catching net"

99 begintsuglyph("uni7F58";88);

100 build_kanji.tb(600,-60)

101 (kanji.toprad.eye)

102 (kanji.grfour.non);

103 tsu_render;

104 endtsuglyph;

105

106 % zai/tsumi "wrongdoing"

107 begintsuglyph("uni7F6A";106);

[see page 3329]

108 kanji.grfive.wrongdoing;

109 tsu_render;

110 endtsuglyph;

111

112 % chi/o "desert" or "leave behind"

113 begintsuglyph("uni7F6E";110);

[see page 3327]

114 kanji.grfour.leave_behind;

115 tsu_render;

116 endtsuglyph;

117

118 % you/hitsuji "sheep"

```

119 begintsuglyph("uni7F8A";138); [see page 656]
120   kanji.grthree.sheep;
121   tsu_render;
122 endtsuglyph;
123
124 % bi/utsuku "beauty"
125 begintsuglyph("uni7F8E";142); [see page 3326]
126   kanji.grthree.beauty;
127   tsu_render;
128 endtsuglyph;
129
130 % gun/mure "group"
131 begintsuglyph("uni7FA4";164); [see page 3328]
132   kanji.grfive.group;
133   tsu_render;
134 endtsuglyph;
135
136 % gi/tagashi "righteousness"
137 begintsuglyph("uni7FA9";169); [see page 775]
138   kanji.grfive.righteousness;
139   tsu_render;
140 endtsuglyph;
141
142 % u/hane "feather"
143 begintsuglyph("uni7FBD";189); [see page 516]
144   kanji.grtwo.feather;
145   tsu_render;
146 endtsuglyph;
147
148 % shuu/nara "learn"
149 begintsuglyph("uni7FD2";210); [see page 637]
150   kanji.grthree.learn;
151   tsu_render;
152 endtsuglyph;
153
154 _____
155
156 endfont;
157
158 _____

```

tsuku-80.mp

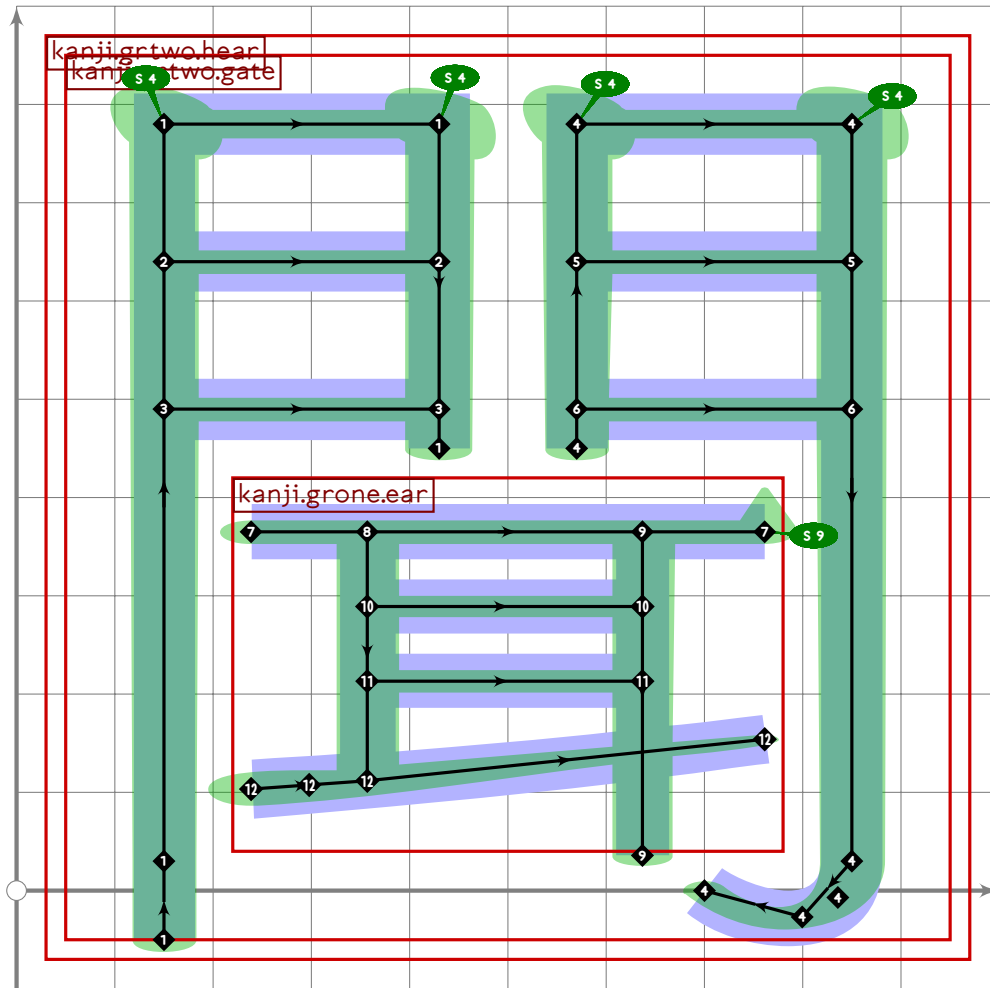
```
1 %
2 % Unicode page 80 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

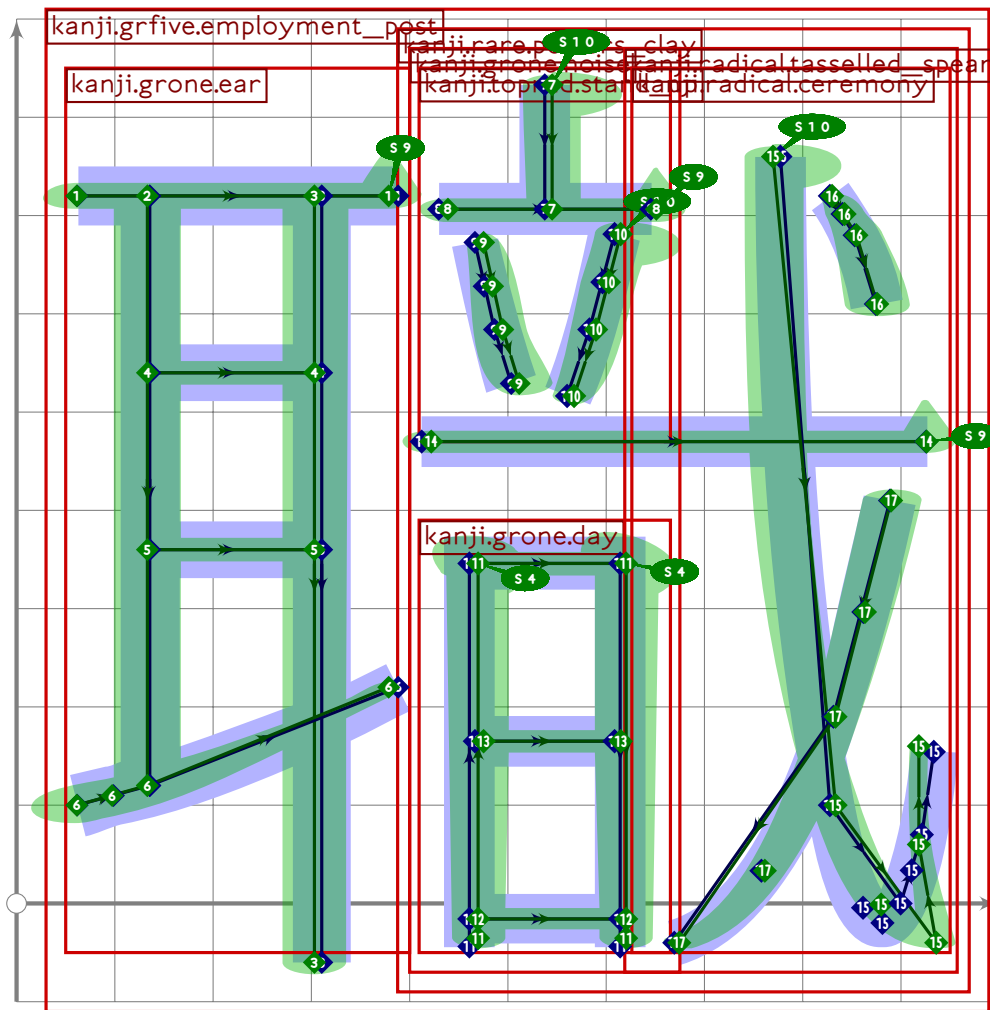

```



```

54
55 vardef kanji.grtwo.hear =
56   push_pbox_toexpand("kanji.grtwo.hear");
57   build_kanji.gate_enclose(kanji.grone.ear);
58   expand_pbox;
59 enddef;
60
61

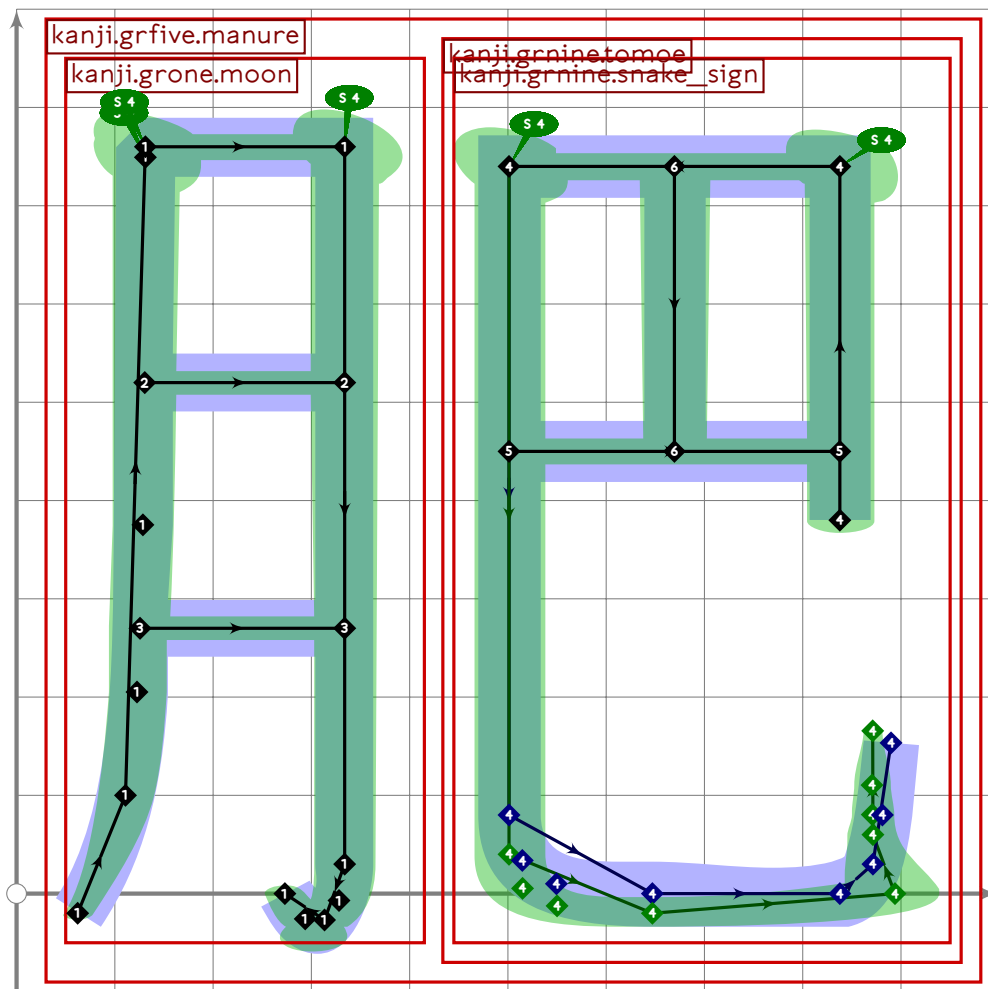
```



```

62
63 vardef kanji.grfive.employment_post =
64   push_pbox_toexpand("kanji.grfive.employment_post");
65   build_kanji.lr(400;20*mincho)
66     (kanji.grone.ear)
67     (kanji.rare.potters_clay);
68   expand_pbox;
69 enddef;

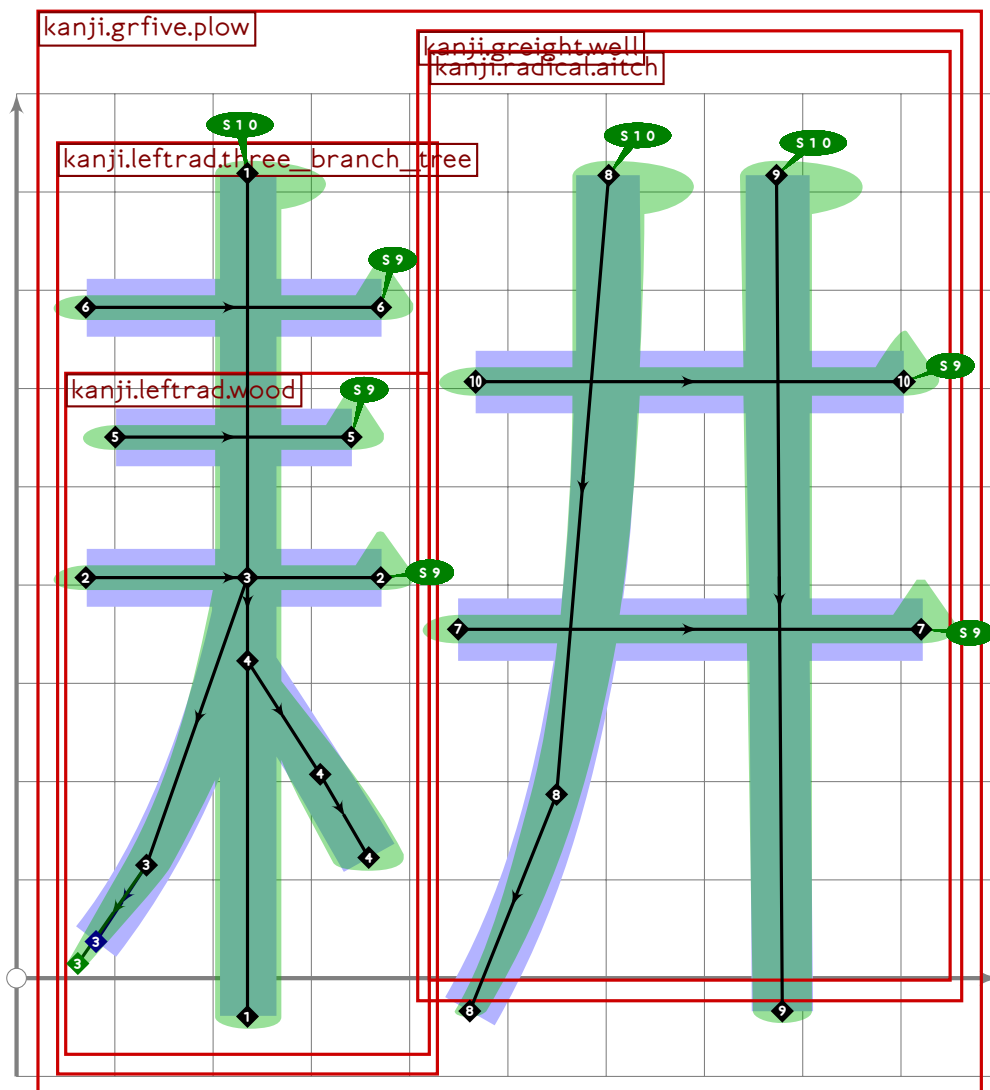
```



```

70
71 vardef kanji.grfive.manure =
72   push_pbox_toexpand("kanji.grfive.manure");
73   build_kanji.lr(430,-30)
74     (kanji.grone.moon)
75     (kanji.grnine.tomoe);
76   expand_pbox;
77 enddef;

```

```

78
79 vardef kanji.grfive.plow =
80   push_pbox_toexpand("kanji.grfive.plow");
81   build_kanji.lr(420,0)
82     (kanji.leftrad.three_branch_tree)
83     (build_kanji.sscale(yscaled 1.05 shifted (0,70))(kanji.greight.well));
84   expand_pbox;
85 enddef;

```

86

87

88

80

```

89 vardef kanji.leftrad.three_branch_tree =
90   push_pbox_toexpand("kanji.leftrad.three_branch_tree");
91   build_kanji.level(build_kanji.sscale(yscaled 1.10)(
92     tsu_xform(identity yscaled 0.7)(kanji.leftrad.wood);
93     replace_stroke(-3)((500,780)-(500,0));
94     push_stroke(subpath (0,1,0.9) of get_stroke(-2) shifted (0,130),
95       get_stroke(-2));

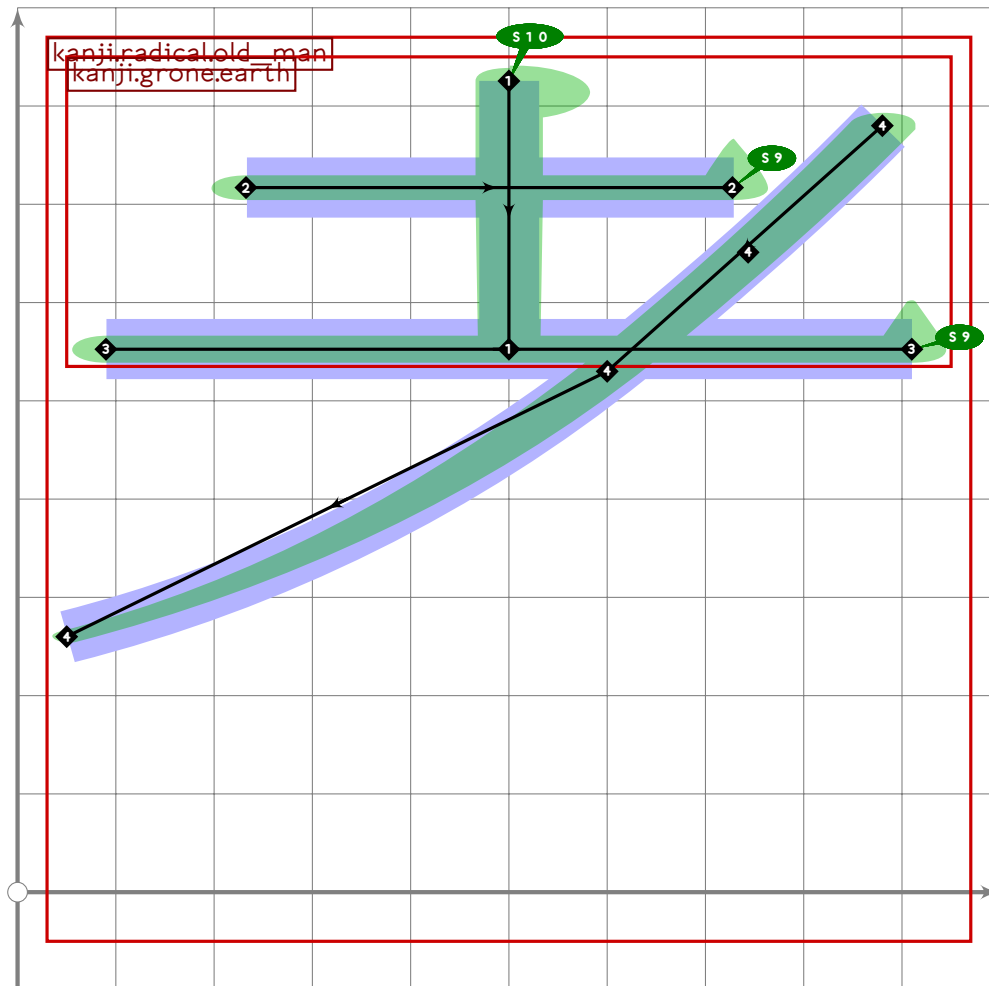
```

```

96  set_boserif(0,1,9);
97  push_stroke(get_strokep(-3) shifted (0,250),get_strokeq(-3));
98  set_boserif(0,1,9);
99  ));
100  expand_pbox;
101  enddef;
102
103  _____
104
105  % rou/o "old man"
106  begintsuglyph("uni8001";1);
107  kanji.grfour.old_man;
108  tsu_render;
109  endtsuglyph;
110

```

[see page 718]



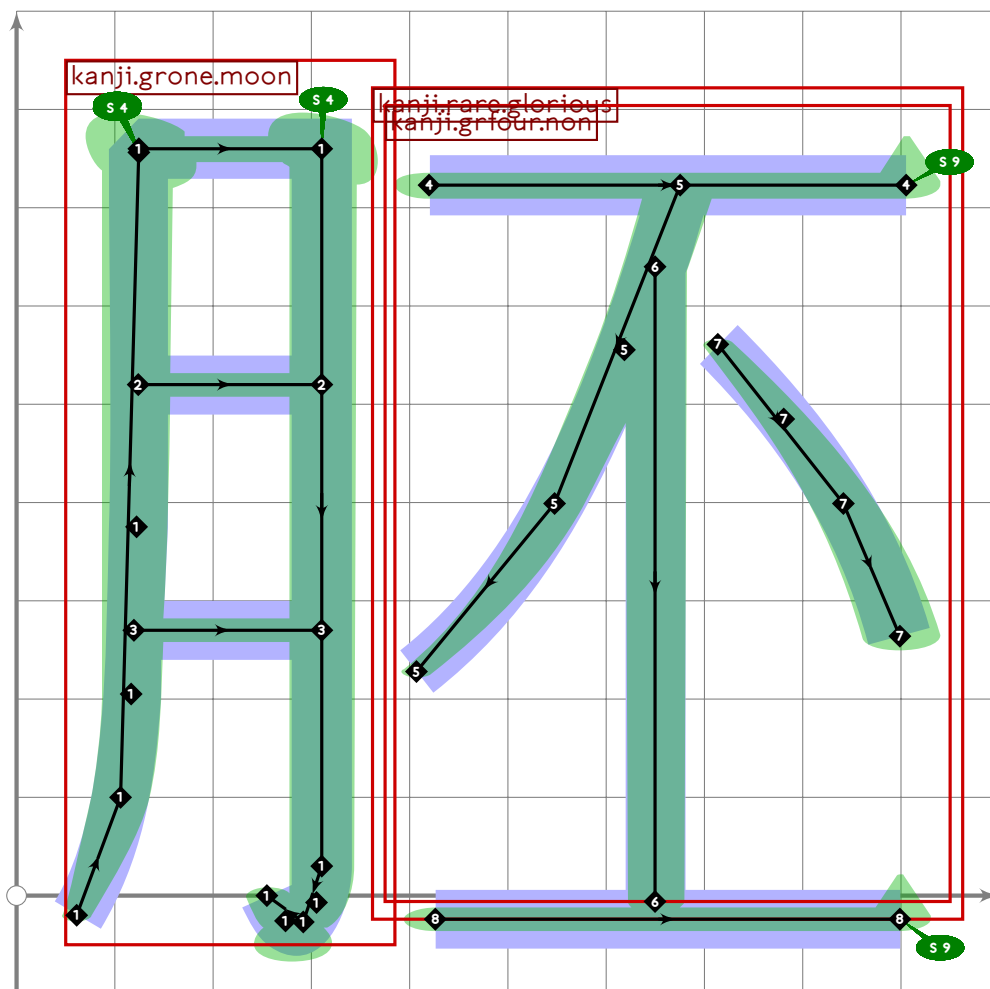
```

111 % "old man without a spoon" radical
112 begintsuglyph("uni8002";2);
113 kanji.radical.old_man();
114 tsu_render;
115 endtsuglyph;
116

```

117 % kou/kanga "consider"
 118 begintsuglyph("uni8003";3); [see page 504]
 119 kanji.grtwo.consider;
 120 tsu_render;
 121 endtsuglyph;
 122
 123 % sha/mono "person" or "thing"
 124 begintsuglyph("uni8005";5); [see page 649]
 125 kanji.grthree.person;
 126 tsu_render;
 127 endtsuglyph;
 128
 129 % kou/tagaya "plow"
 130 begintsuglyph("uni8015";21); [see page 3336]
 131 kanji.grfive.plow;
 132 tsu_render;
 133 endtsuglyph;
 134
 135 % ken/mi "ear"
 136 begintsuglyph("uni8033";51); [see page 432]
 137 kanji.grone.ear;
 138 tsu_render;
 139 endtsuglyph;
 140
 141 % bun/ki "hear"
 142 begintsuglyph("uni805E";94); [see page 3333]
 143 kanji.grtwo.hear;
 144 tsu_render;
 145 endtsuglyph;
 146
 147 % shoku "post" as in employment
 148 begintsuglyph("uni8077";119); [see page 3334]
 149 kanji.grfive.employment_post;
 150 tsu_render;
 151 endtsuglyph;
 152
 153 % brush radical
 154 begintsuglyph("uni807F";127); [see page 827]
 155 kanji.radical.brush;
 156 tsu_render;
 157 endtsuglyph;
 158
 159 % niku "meat"
 160 begintsuglyph("uni8089";137); [see page 541]
 161 kanji.grtwo.meat;
 162 tsu_render;
 163 endtsuglyph;
 164

| | |
|---------------------------------------|-----------------|
| 165 % shou/ayaka "resemblance" | |
| 166 begintsuglyph("uni8096";150); | [see page 925] |
| 167 kanji.greight.resemblance; | |
| 168 tsu_render; | |
| 169 endtsuglyph; | |
| 170 | |
| 171 % hi/koe "manure" or "fertilizer" | |
| 172 begintsuglyph("uni80A5";165); | [see page 3335] |
| 173 kanji.grfive.manure; | |
| 174 tsu_render; | |
| 175 endtsuglyph; | |
| 176 | |
| 177 % iku/soda "raise" | |
| 178 begintsuglyph("uni80B2";178); | [see page 652] |
| 179 kanji.grthree.raise; | |
| 180 tsu_render; | |
| 181 endtsuglyph; | |
| 182 | |
| 183 % i "stomach" | |
| 184 begintsuglyph("uni80C3";195); | [see page 736] |
| 185 kanji.grfour.stomach; | |
| 186 tsu_render; | |
| 187 endtsuglyph; | |
| 188 | |



```

189 % extra: hai/hanami "embryo"
190 begintsuglyph("uni80DA";218);
191   build_kanji.level(build_kanji.lr(380,10)
192     (kanji.grone.moon)
193     (build_kanji.sscale(yscaled 0.9)(kanji.rare.glorious)));
194   tsu_render;
195 endtsuglyph;

```

```

196
197 % ko/nanzo "barbarian"
198 begintsuglyph("uni80E1";225);
199   kanji.grnine.barbarian;
200   tsu_render;
201 endtsuglyph;

```

[see page 946]

```

202
203 % nou/yo "talent"
204 begintsuglyph("uni80FD";253);
205   kanji.grfive.talent;
206   tsu_render;
207 endtsuglyph;

```

[see page 782]

210

211 `endfont;`

212

213

tsuku-81.mp

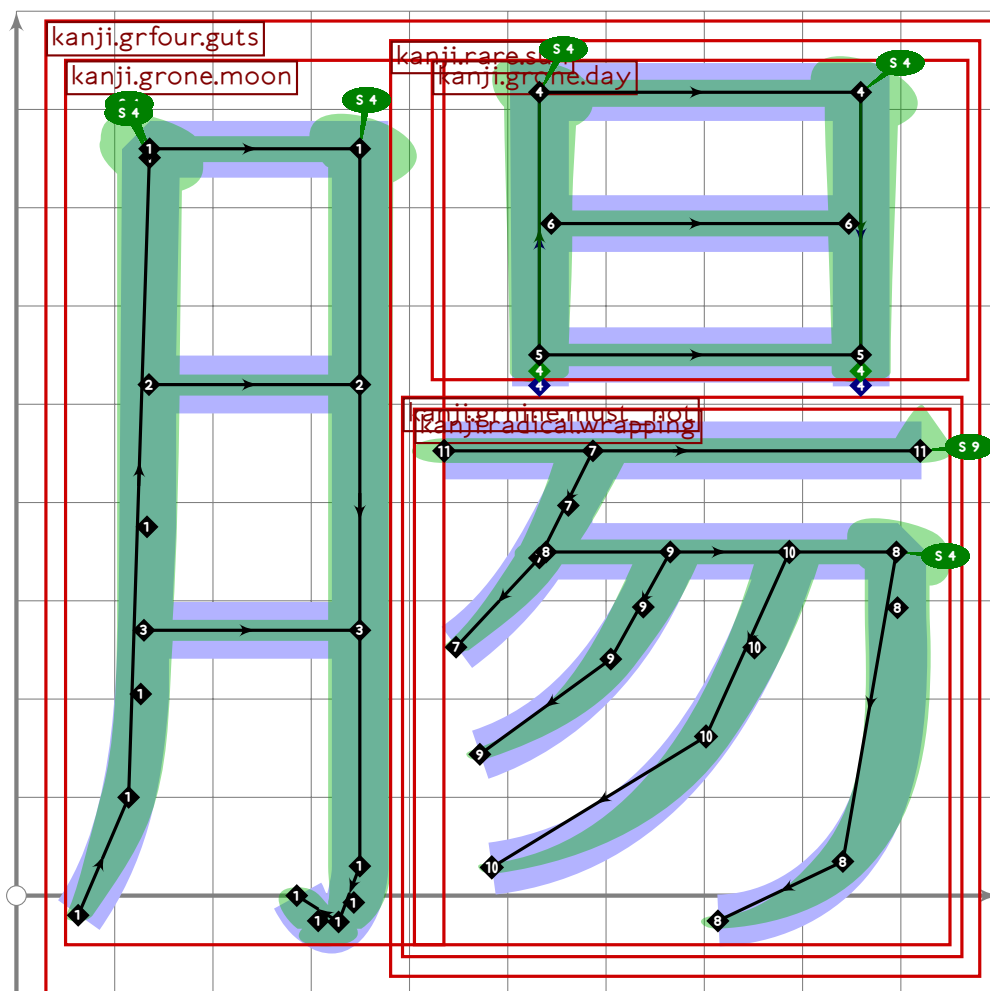
```
1 %
2 % Unicode page 81 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

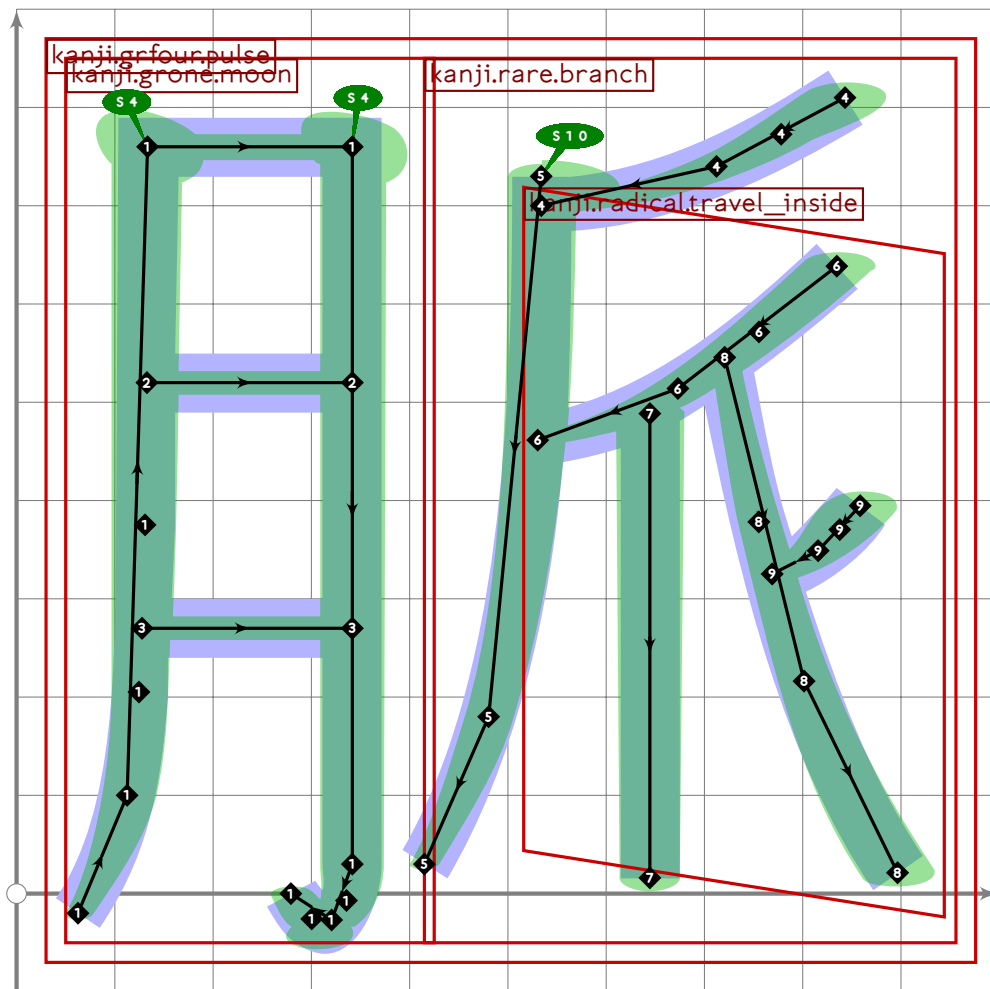

```



```

49
50 vardef kanji.grfour.guts =
51   push_pbox_toexpand("kanji.grfour.guts");
52   build_kanji.level(build_kanji.lr(420,30)
53     (kanji.grone.moon)
54     (kanji.rare.sun));
55   expand_pbox;
56 enddef;

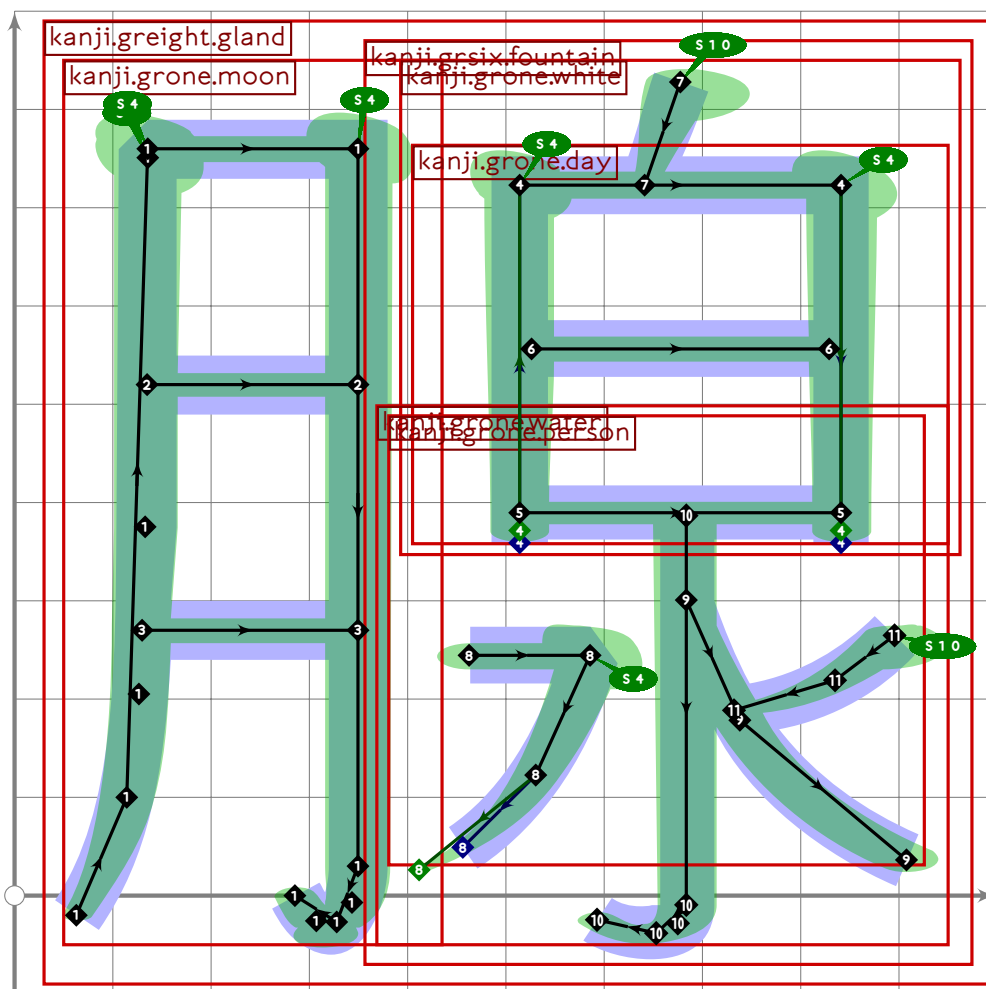
```

```

57
58 vardef kanji.grfour.pulse =
59   push_pbox_toexpand("kanji.grfour.pulse");
60   build_kanji.level(build_kanji.lr(420,10)
61     (kanji.grone.moon)
62     (kanji.rare.branch));
63   expand_pbox;
64 enddef;
65
66

```



```

67
68 vardef kanji.greight.gland =
69   push_pbox_toexpand("kanji.greight.gland");
70   build_kanji.lr(420,30)
71   (kanji.grone.moon)
72   (kanji.grsix.fountain);
73   expand_pbox;
74 enddef;
75
76
77
78 % myaku/suji "pulse"
79 beginsuglyph("uni8108",8);
80 kanji.grfour.pulse;
81 tsu_render;
82 endtsuglyph;
83
84 % chou/harawata "guts"
85 beginsuglyph("uni8178",120);
86 kanji.grfour.guts;
87 tsu_render;

```

[see page 3344]

[see page 3343]

```

88 endtsuglyph;
89
90 % sen "gland"
91 begintsuglyph("uni817A";122); [see page 3345]
92   kanji.greight.gland;
93   tsu_render;
94 endtsuglyph;
95
96 % shin/omi "vassal"
97 begintsuglyph("uni81E3";227); [see page 743]
98   kanji.grfour.vassal;
99   tsu_render;
100 endtsuglyph;
101
102 % rare needed for greight.wisdom
103 begintsuglyph("uni81E4";228); [see page 1055]
104   kanji.rare.wisdom;
105   tsu_render;
106 endtsuglyph;
107
108 % ji as in jibun "self"
109 begintsuglyph("uni81EA";234); [see page 563]
110   kanji.grtwo.self;
111   tsu_render;
112 endtsuglyph;
113
114 % shi/ita "climax"
115 begintsuglyph("uni81F3";243); [see page 789]
116   kanji.grsix.climax;
117   tsu_render;
118 endtsuglyph;
119
120 _____
121
122 endfont;
123
124 _____

```

tsuku-82.mp

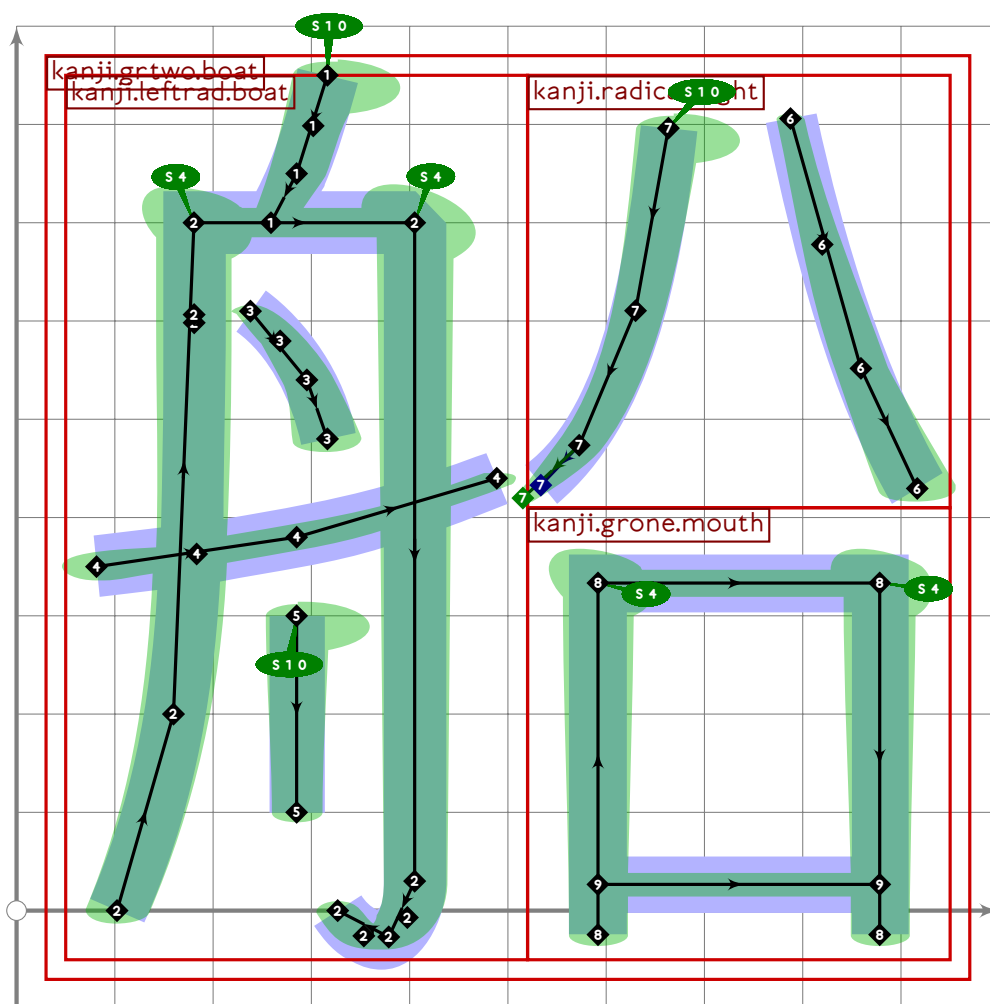
```
1 %
2 % Unicode page 82 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradenine.mp;
41 input gradeone.mp;
42 input 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 

---

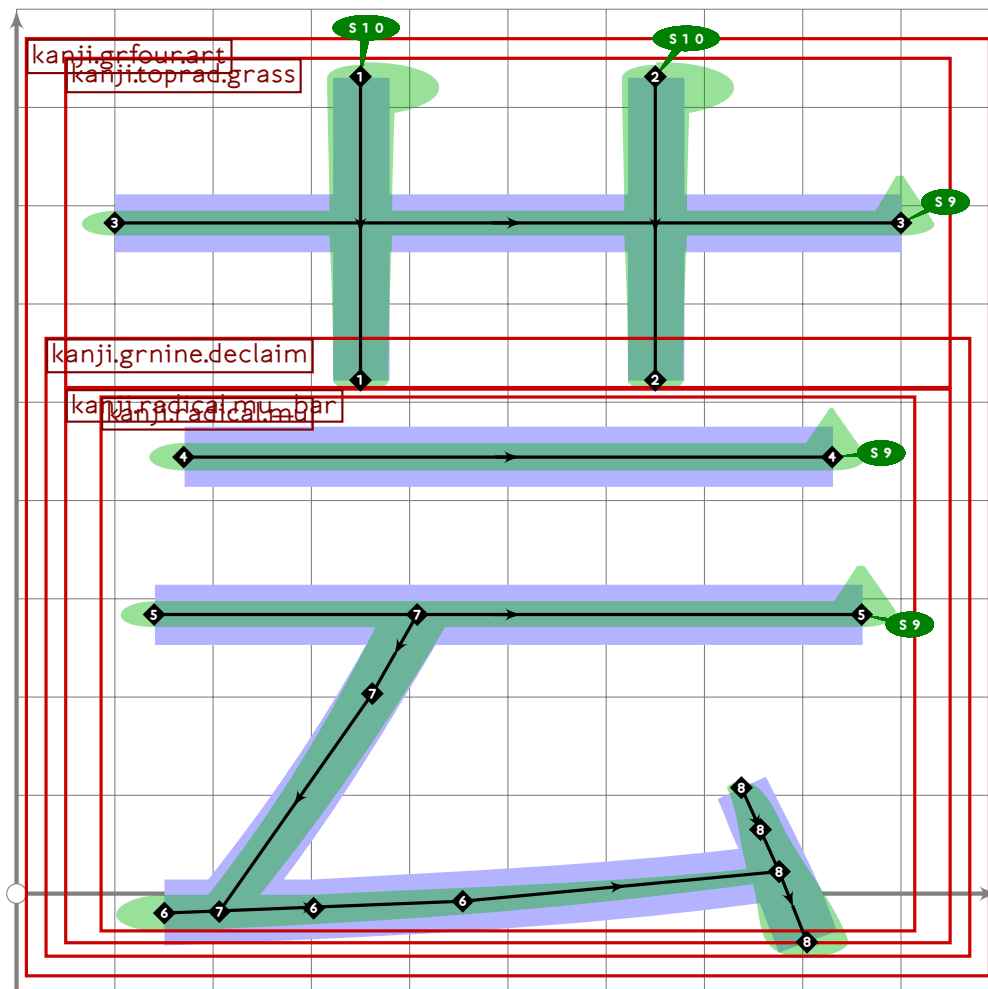

```



```

53
54 vardef kanji.grtwo.boat =
55   push_pbox_toexpand("kanji.grtwo.boat");
56   build_kanji.lr(520,0)
57   (kanji.leftrad.boat)
58   (build_kanji.level(build_kanji.tb(410,0)
59     (kanji.radical.eight)
60     (kanji.grone.mouth)));
61   expand_pbox;
62 enddef;
63
64

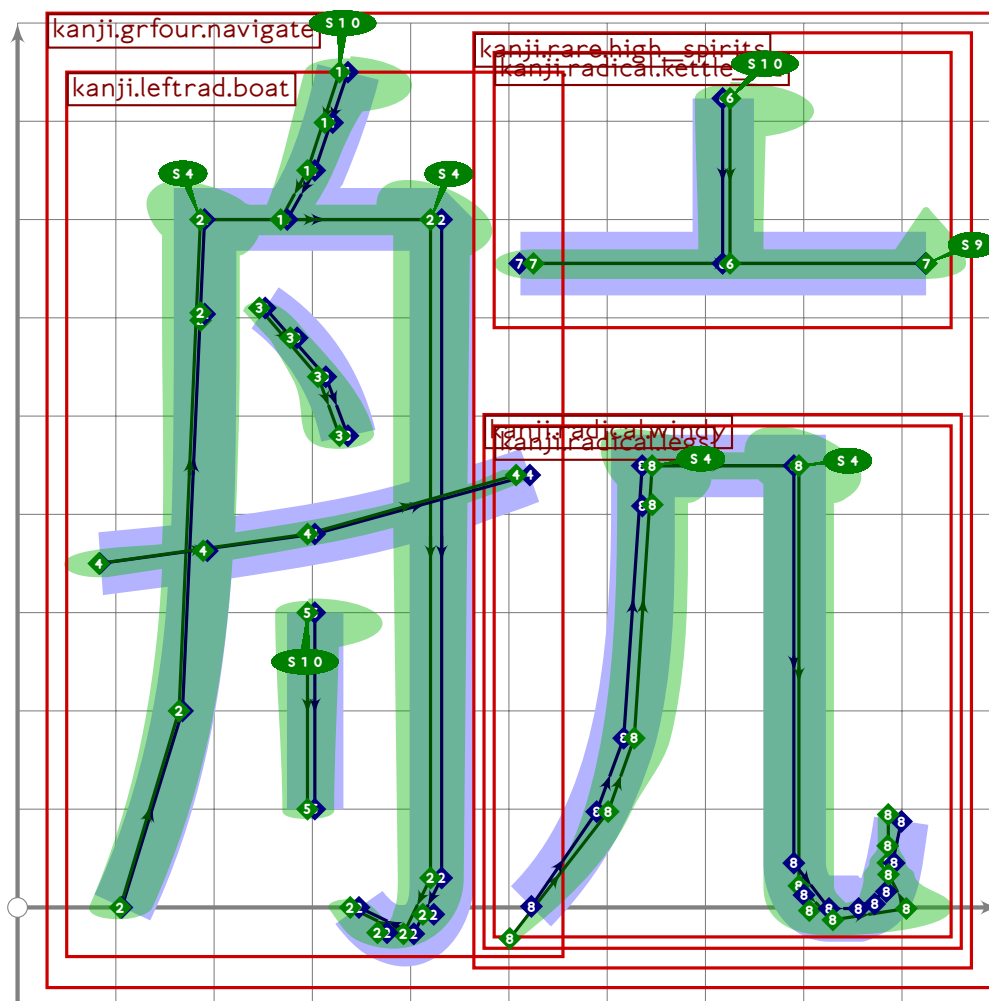
```



```

65
66 vardef kanji.grfour.art =
67   push_pbox_toexpand("kanji.grfour.art");
68   build_kanji.tb(540,50)
69     (kanji.toprad.grass)
70     (kanji.grnine.declaim);
71   expand_pbox;
72 enddef;

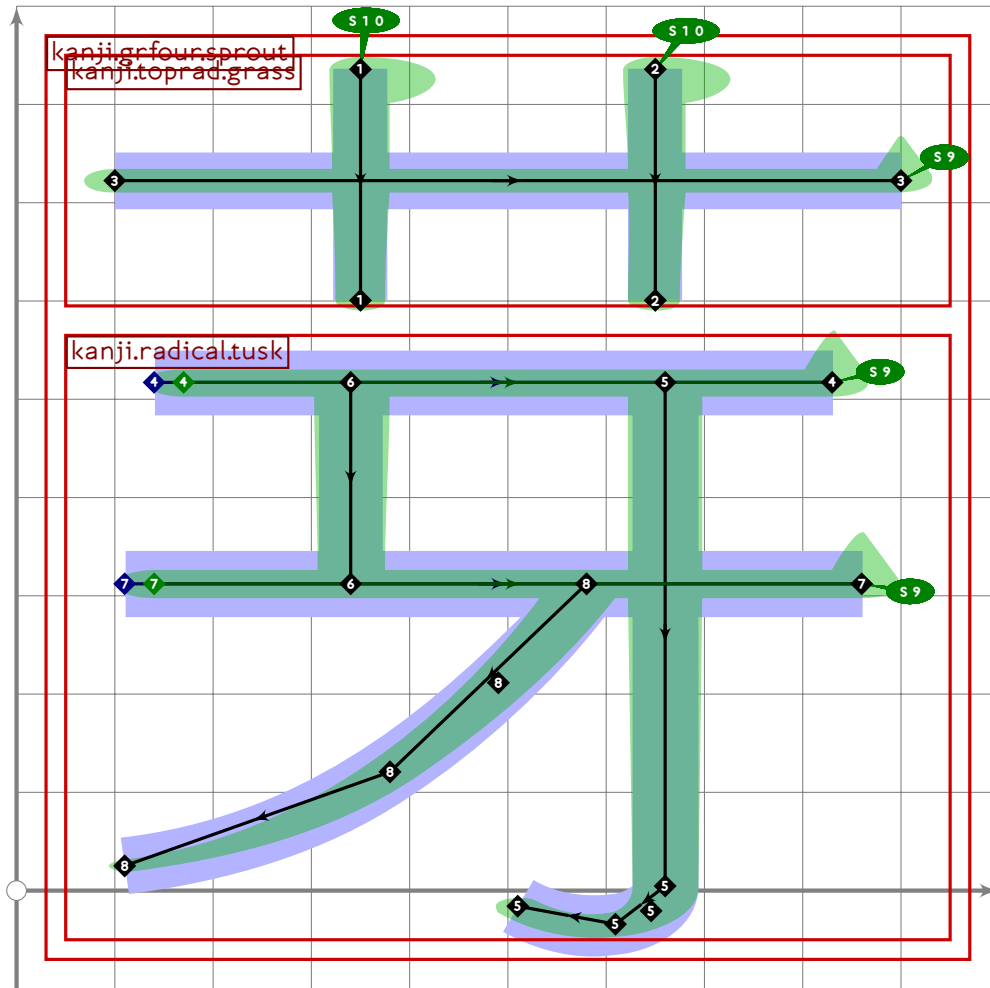
```



```

73
74 vardef kanji.grfour.navigate =
75   push_pbox_toexpand("kanji.grfour.navigate");
76   build_kanji.lr(520,70-30*mincho)
77     (kanji.leftrad.boat)
78     (build_kanji.sscale(shifted (0,20))(kanji.rare.high_spirits));
79   expand_pbox;
80 enddef;

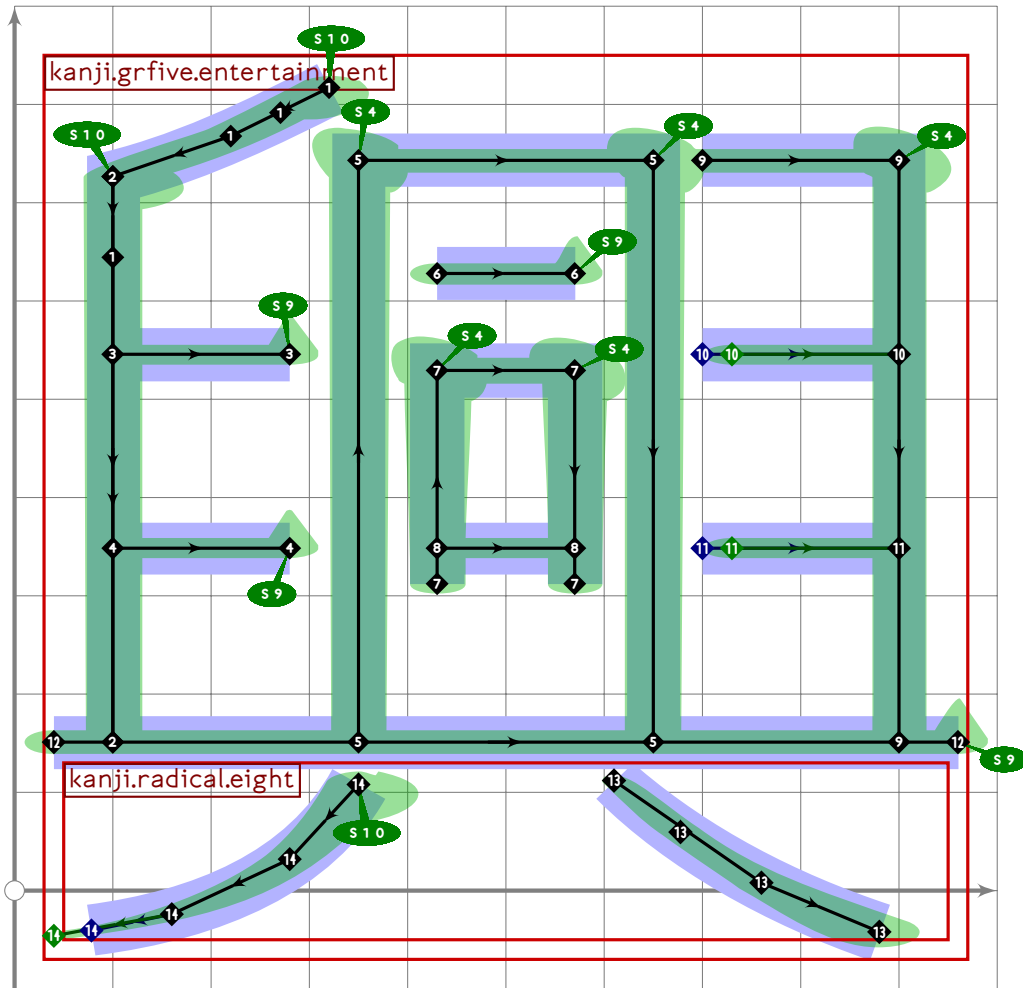
```



```

81
82 vardef kanji.grfour.sprout =
83   push_pbox_toexpand("kanji.grfour.sprout");
84   build_kanji.tb(580,-30)
85     (kanji.toprad.grass)
86     (kanji.radical.tusk);
87   expand_pbox;
88 enddef;
89
90

```

```

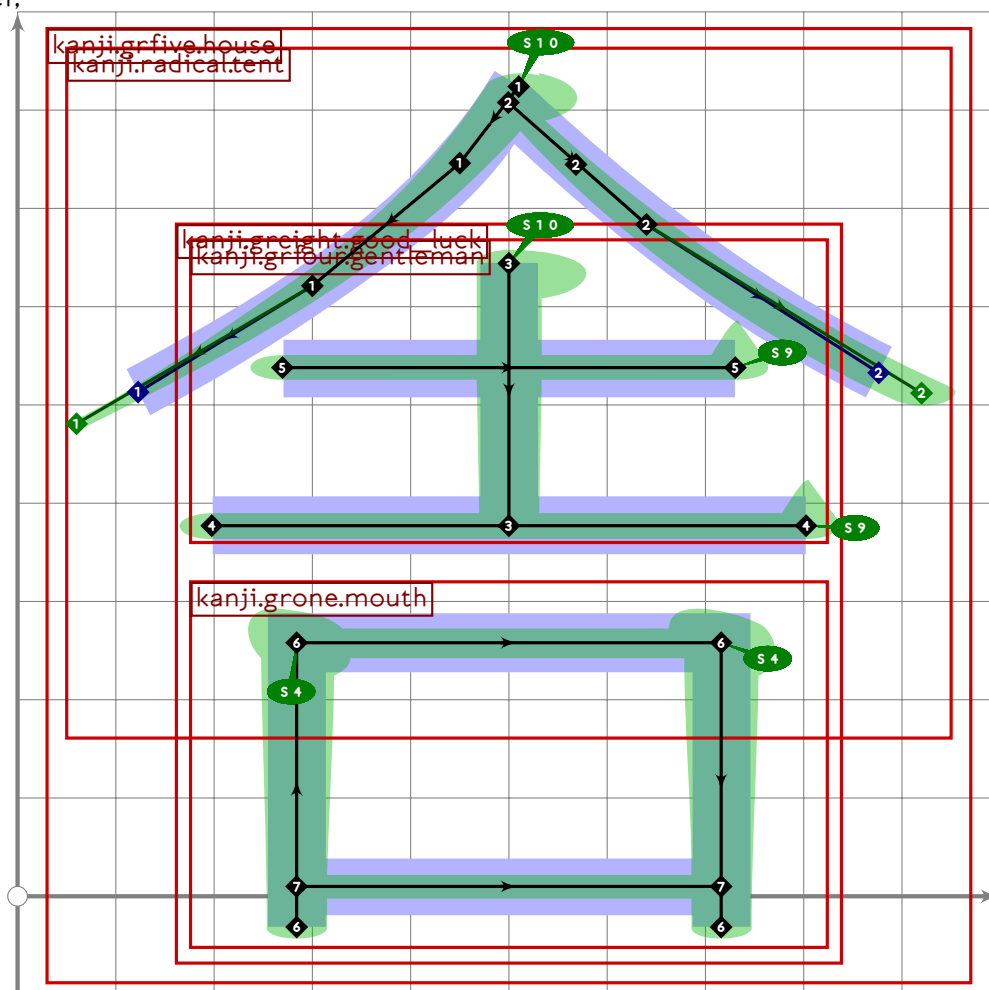
91
92 vardef kanji.grfive.entertainment =
93   push_pbox_toexpand("kanji.grfive.entertainment");
94   build_kanji.tb(120,20)(
95     push_stroke((320,810)..tension 1.2..(220,750)..{curl 1}(100,700)
96       -(100,600)-(100,0),
97       (1.6,1.6)-(1.6,1.6)-(1.6,1.6)-(1.5,1.5));
98     set_botip(0,2,1);
99     set_boserif(0,0,10);
100    push_stroke((100,700)-(100,0),(1.6,1.6)-(1.5,1.5));
101    set_boserif(0,0,10);
102    push_stroke((100,480)-(280,480),(1.5,1.5)-(1.5,1.5));
103    set_boserif(0,1,9);
104    push_stroke((100,240)-(280,240),(1.5,1.5)-(1.5,1.5));
105    set_boserif(0,1,9);
106    push_stroke((350,0)-(350,720)-(650,720)-(650,0),
107      (1.5,1.5)-(1.6,1.6)-(1.6,1.6)-(1.5,1.5));
108    set_boserif(0,1,4);
109    set_boserif(0,2,4);
110    set_botip(0,1,1);
111    set_botip(0,2,1);

```

```

112 push_stroke((430,580)-(570,580),(1.5,1.5)-(1.5,1.5));
113 set_boserif(0,1,9);
114 build_kanji.box((430,460),(570,240));
115 push_stroke((700,720)-(900,720)-(900,0),
116   (1.6,1.6)-(1.5,1.5)-(1.5,1.5));
117 set_boserif(0,1,4);
118 set_botip(0,1,1);
119 push_stroke((700+30*mincho,480)-(900,480),(1.5,1.5)-(1.5,1.5));
120 push_stroke((700+30*mincho,240)-(900,240),(1.5,1.5)-(1.5,1.5));
121 push_stroke((40,0)-(960,0),(1.6,1.6)-(1.6,1.6));
122 set_boserif(0,1,9);
123 for i=-11 upto 0: set_bosize(i,80); endfor;
124 )(kanji.radical.eight);
125 expand_pbox;
126 enddef;

```



```

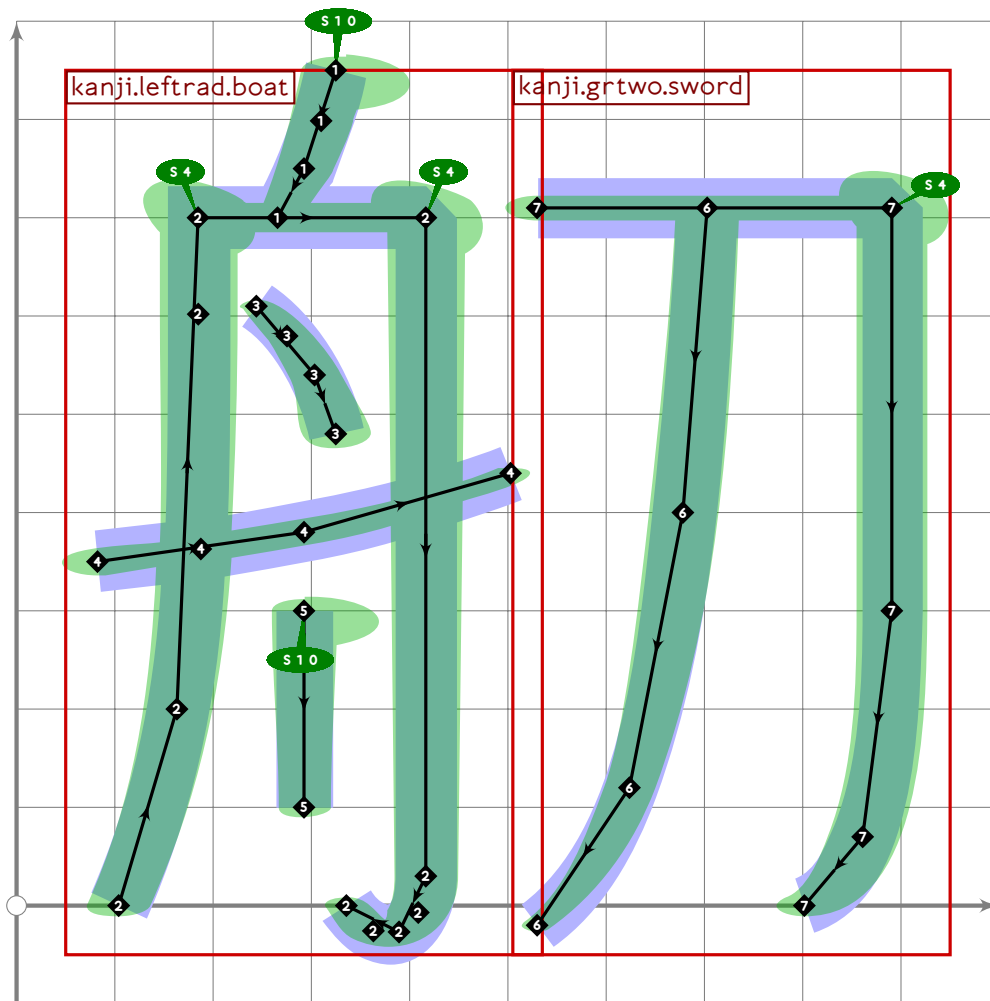
127
128 vardef kanji.grfive.house =
129   push_pbox_toexpand("kanji.grfive.house");
130   build_kanji.level(
131     tsu_xform(identity yscaled 0.78 shifted (0,200))
132     (kanji.radical.tent);

```

```

133 pop_stroke;
134 build_kanji.sscale(xyscaled (0.72,0.8) shifted (0,-90))
135   (kanji.greight.good_luck);
136 begingroup
137   save myxf;
138   transform myxf;
139   (point 0.5 of get_stroke(-2)) transformed myxf=
140   (point 0.5 of get_stroke(-3));
141   (point 0.5 of get_stroke(-3)) transformed myxf=
142   (point 0.5 of get_stroke(-2));
143   ((100,0)+point 0.5 of get_stroke(-3)) transformed myxf=
144   ((100,0)+point 0.5 of get_stroke(-2));
145   replace_stroke(-3)(oldp transformed myxf);
146   replace_stroke(-2)(oldp transformed myxf);
147 endgroup;
148 );
149 expand_pbox;
150 endif;
151
152
153
154 % kou/oko "entertainment"
155 begintsuglyph("uni8208";8); [see page 3352]
156 kanji.grfive.entertainment;
157 tsu_render;
158 endtsuglyph;
159
160 % zetsu/shita "tongue"
161 begintsuglyph("uni820C";12); [see page 784]
162 kanji.grfive.tongue;
163 tsu_render;
164 endtsuglyph;
165
166 % ja/mado "house"
167 begintsuglyph("uni820E";14); [see page 3353]
168 kanji.grfive.house;
169 tsu_render;
170 endtsuglyph;
171
172 % shuu/fune "boat"
173 begintsuglyph("uni821F";31); [see page 882]
174 kanji.greight.boat;
175 tsu_render;
176 endtsuglyph;
177

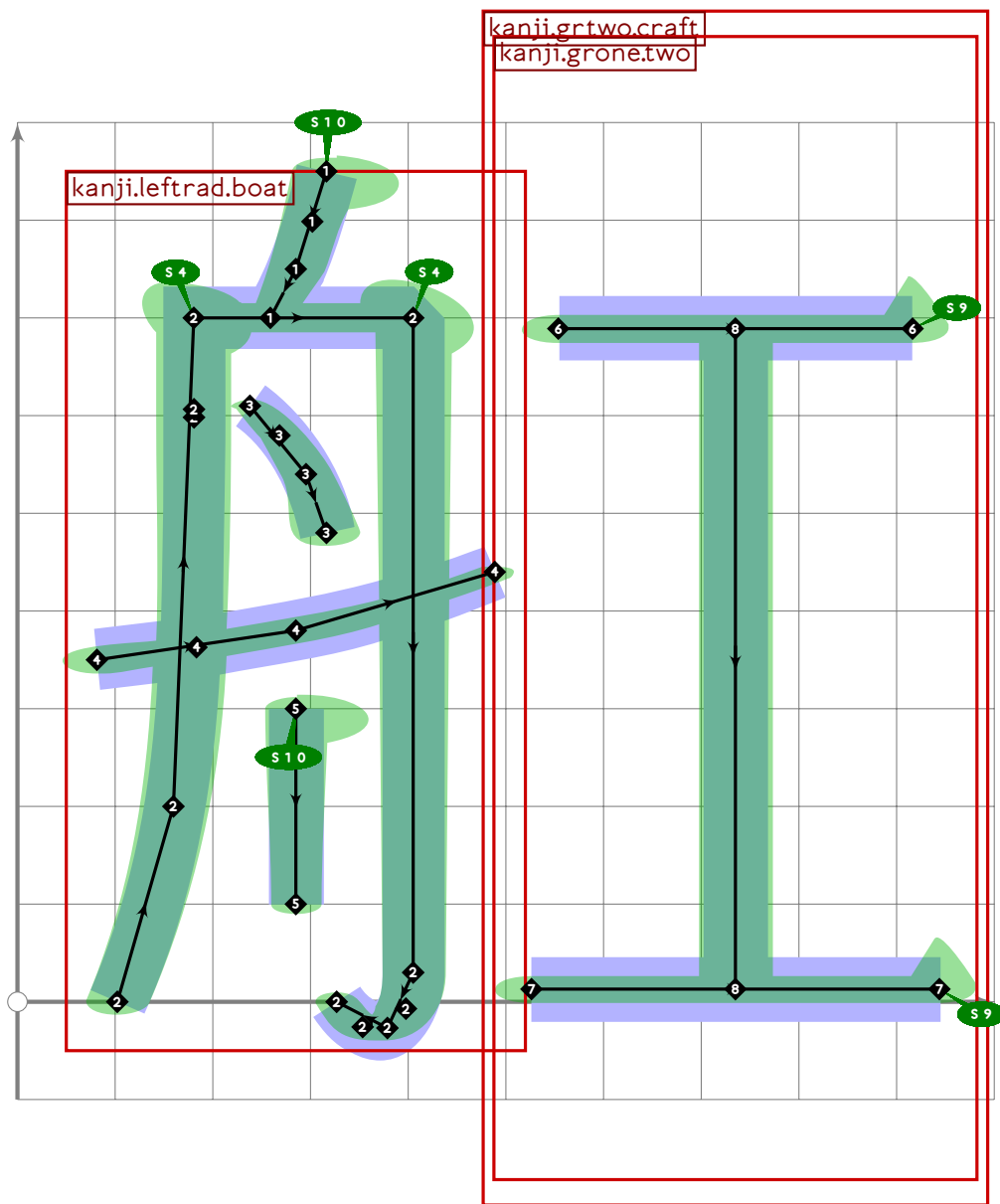
```



```

178 % extra
179 begint Suglyph("uni8220",32);
180   build_kanji.lr(520,30)
181     (kanji.leftrad.boat)
182     (kanji.grtwo.sword);
183   tsu_render;
184 endtsuglyph;
185

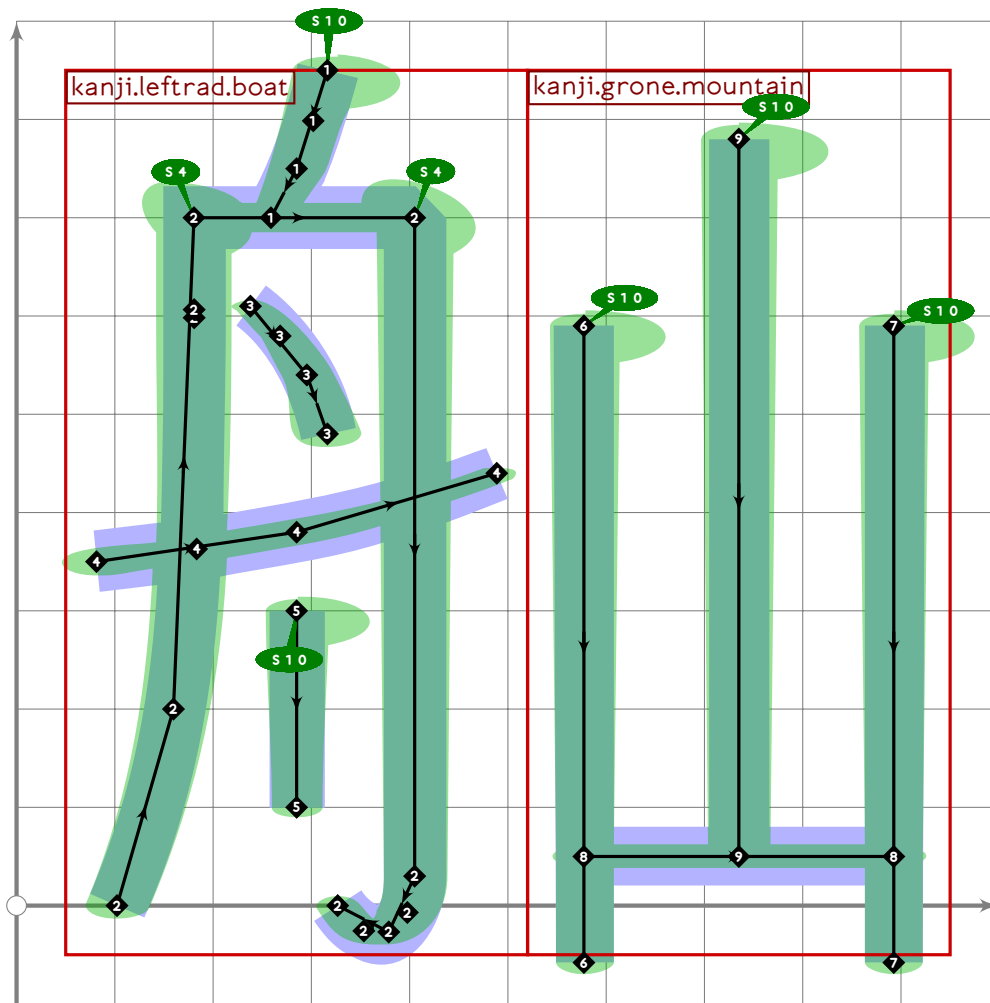
```



```

186 % extra: boat
187 begintsuglyph("uni8221",33);
188   build_kanji.lr(520,0)
189     (kanji.leftrad.boat)
190     (build_kanji.sscale(xyscaled (1.15,1.3))(kanji.grtwo.craft));
191   tsu_render;
192 endtsuglyph;
193

```

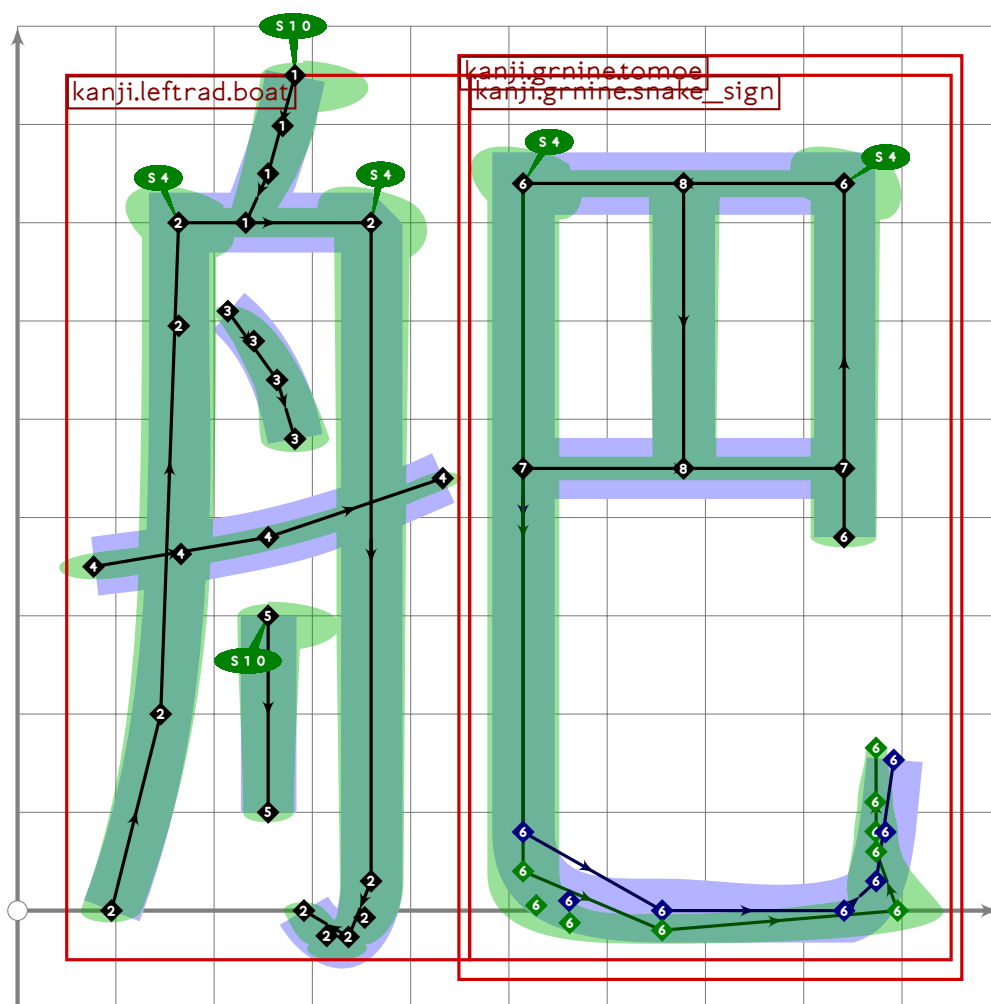


```

194 % extra: "English" meaning is "sampan"
195 begintsuglyph("uni8222",34);
196   build_kanji.lr(520,0)
197     (kanji.leftrad.boat)
198     (kanji.grone.mountain);
199   tsu_render;
200 endtsuglyph;
201

```

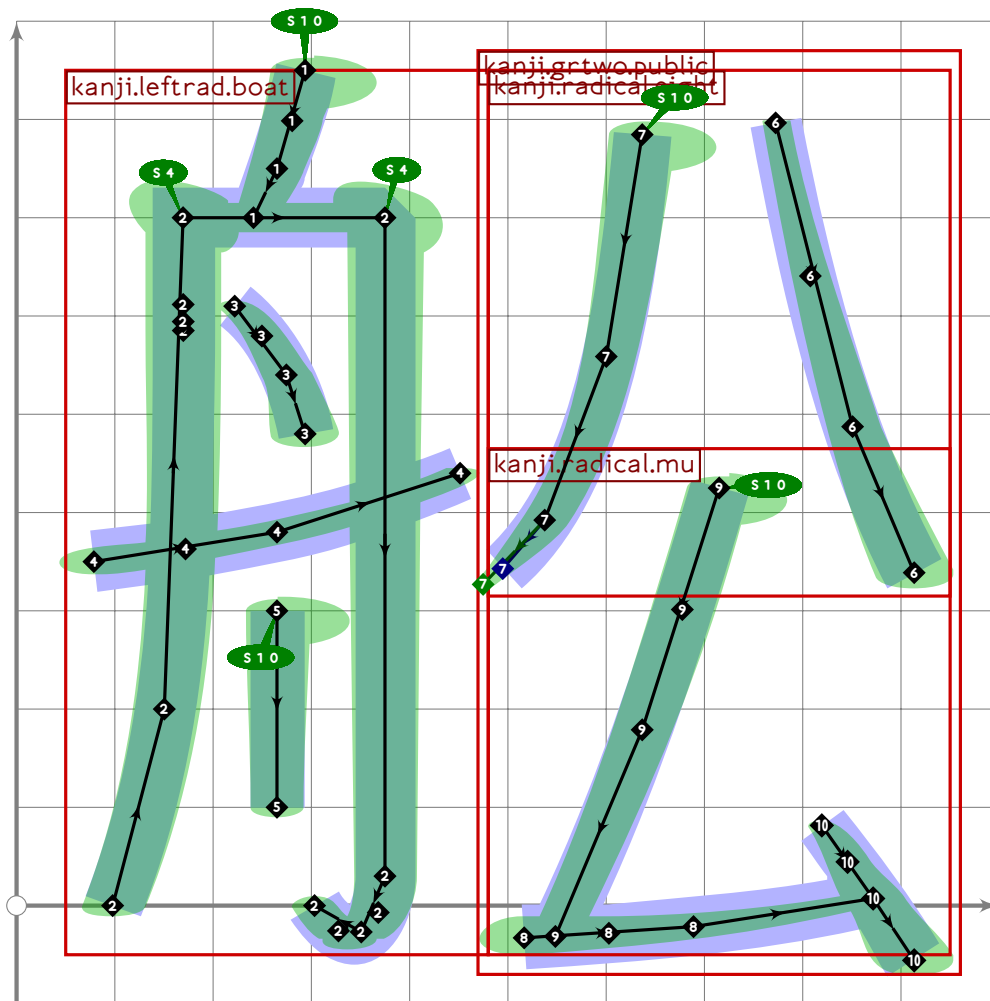
U+8225
tsuku.uni8225



```

202 % extra
203 beginsuglyph("uni8225",37);
204   build_kanji.lr(460,0)
205     (kanji.leftrad.boat)
206     (kanji.grnine.tomoe);
207   tsu_render;
208 endtsuglyph;
209

```

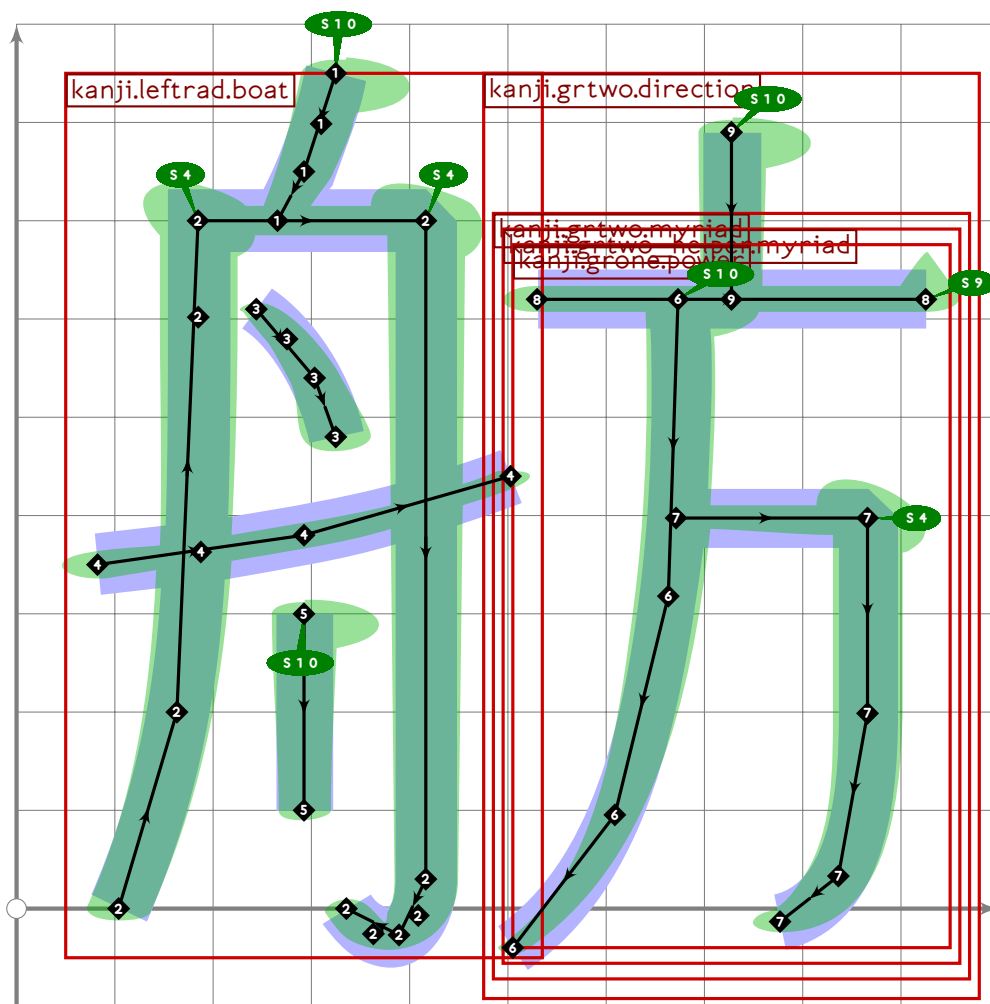


```

210 % extra: boat
211 begintsuglyph("uni8229";41);
212   build_kanji.lr(480,0)
213     (kanji.leftrad.boat)
214     (kanji.grtwo.public);
215   tsu_render;
216 endtsuglyph;
217
218 % kou/wataru "navigate"
219 begintsuglyph("uni822A";42);
220   kanji.grfour.navigate;
221   tsu_render;
222 endtsuglyph;
223

```

[see page 3350]



```

224 % extra: moor/berth
225 begintsuglyph("uni822B",43);
226   build_kanji.lr(520,30)
227     (kanji.leftrad.boat)
228     (kanji.grtwo.direction);
229   tsu_render;
230 endtsuglyph;
231
232 % sen/fune "boat"
233 begintsuglyph("uni8239",57);
234   kanji.grtwo.boat;
235   tsu_render;
236 endtsuglyph;
237
238 % kon/ushitora "northeast"
239 begintsuglyph("uni826E",110);
240   kanji.radical.northeast;
241   tsu_render;
242 endtsuglyph;
243
244 % ryou/yo "good"

```

[see page 3348]

[see page 844]

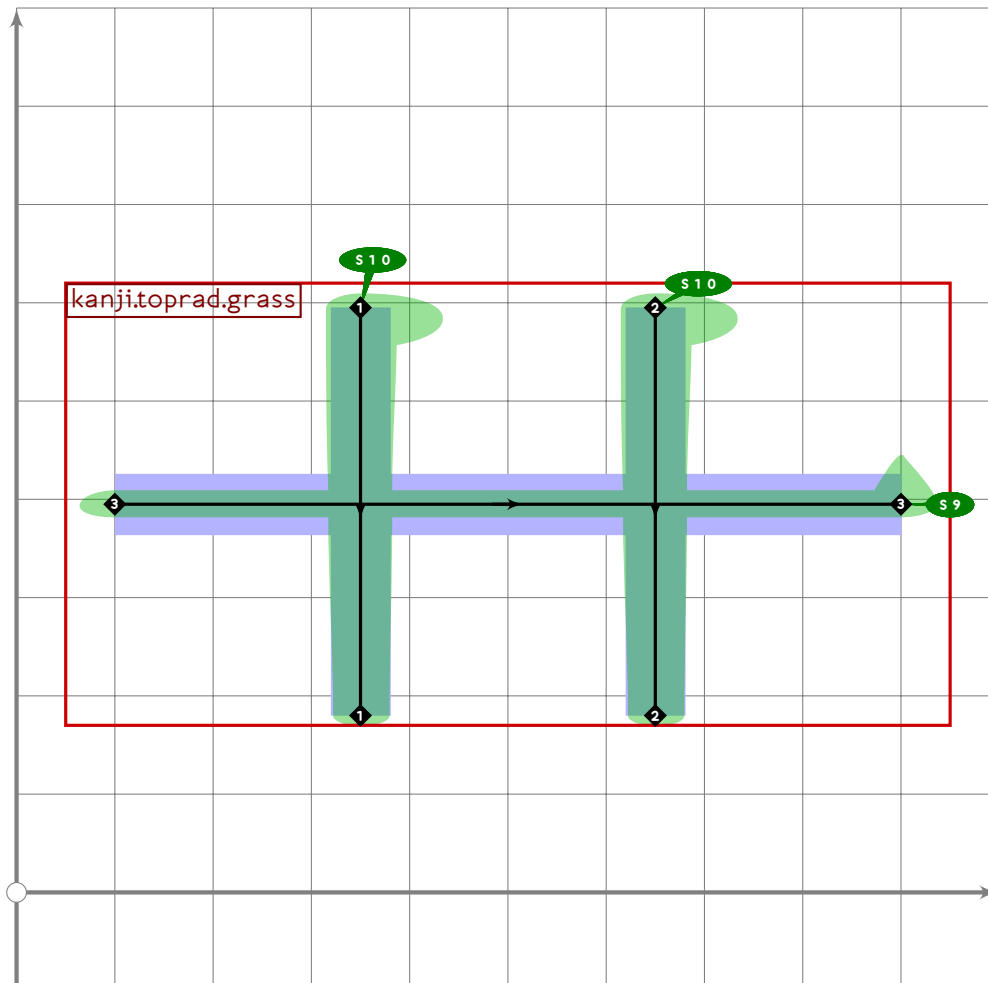
```

245 begintsuglyph("uni826F";111);
246   kanji.grfour.good;
247   tsu_render;
248 endtsuglyph;
249
250 % shoku/iro "colour"
251 begintsuglyph("uni8272";114);
252   kanji.grtwo.colour;
253   tsu_render;
254 endtsuglyph;
255

```

[see page 702]

[see page 502]

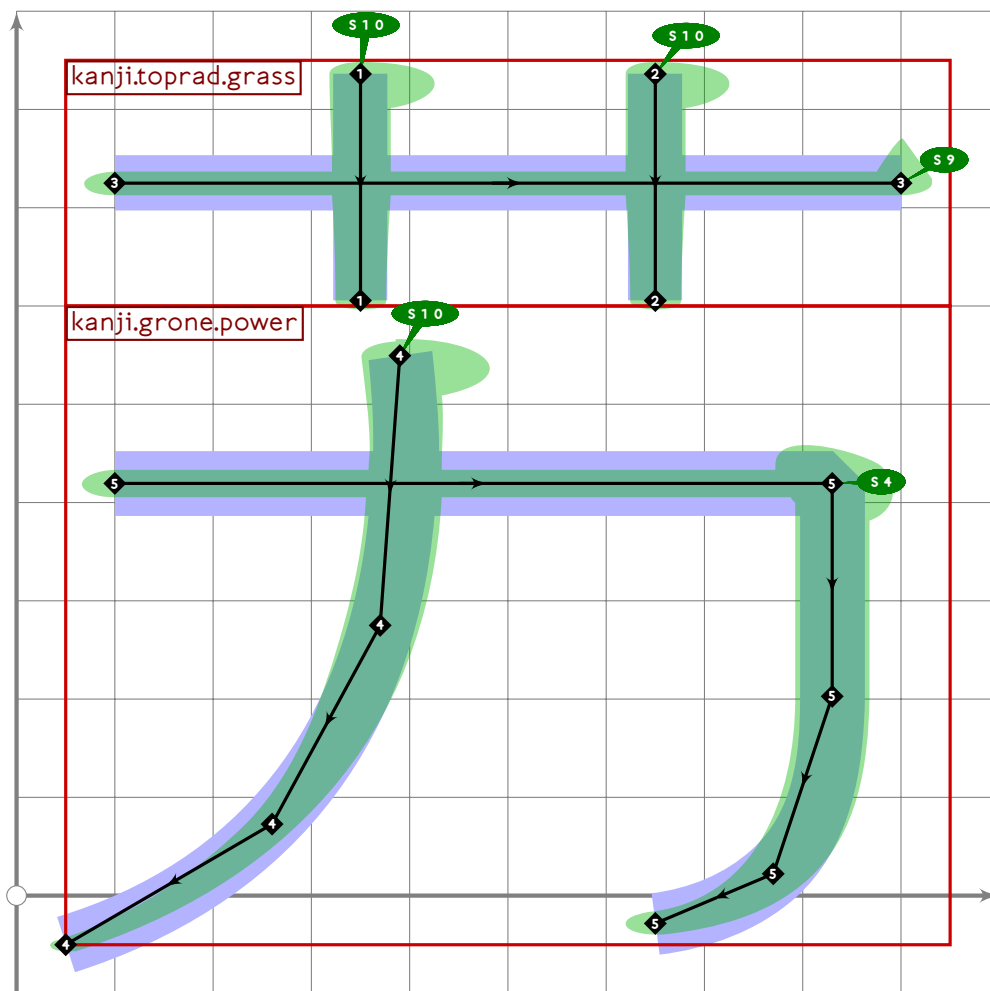


```

256 % extra "naked grass radical"
257 begintsuglyph("uni8279";121);
258   build_kanji.sscale(yscaled 0.5)(kanji.toprad.grass);
259   tsu_render;
260 endtsuglyph;
261

```

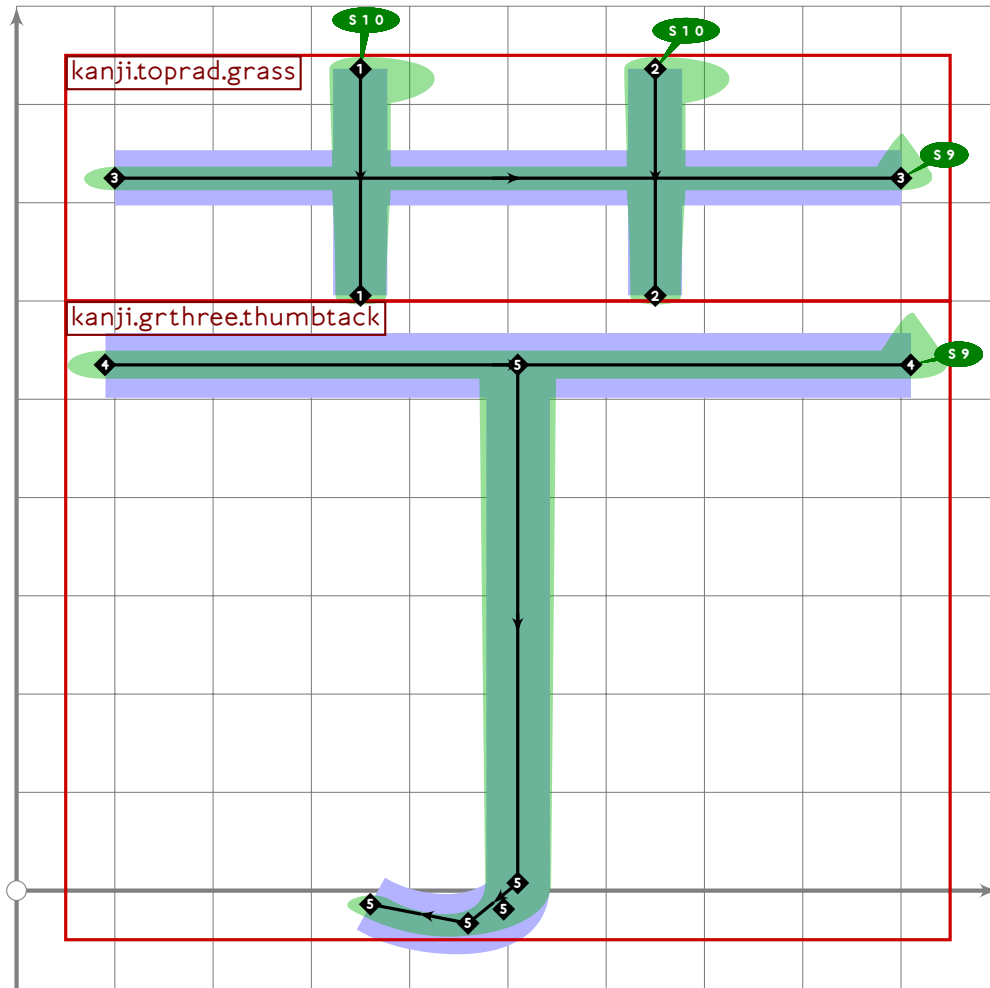
U+827B
tsuku.uni827B



```

262 % extra
263 begintsuglyph("uni827B",123);
264   build_kanji.tb(600,0)
265     (kanji.toprad.grass)
266     (kanji.grone.power);
267   tsu_render;
268 endtsuglyph;
269

```

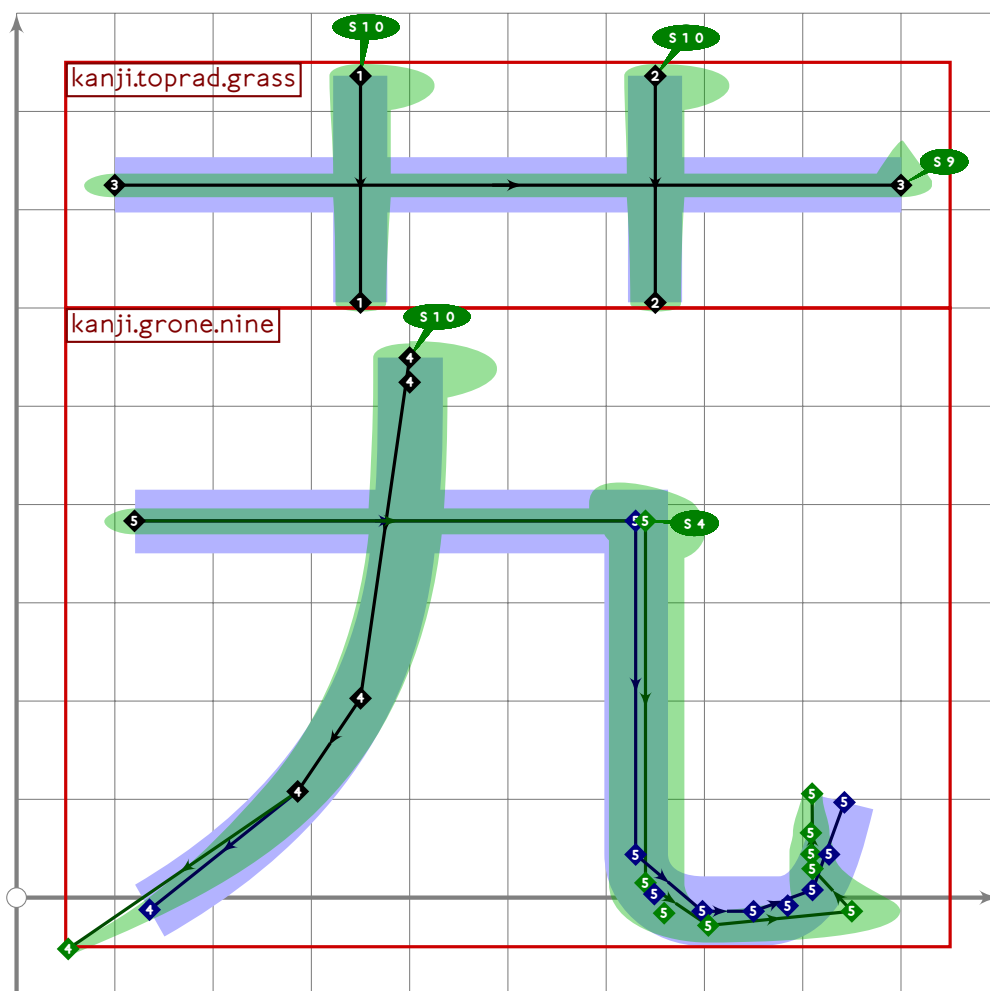


```

270 % extra
271 begintsuglyph("uni827C",124);
272   build_kanji.tb(600,0)
273     (kanji.toprad.grass)
274     (kanji.grthree.thumbtack);
275   tsu_render;
276 endtsuglyph;
277

```

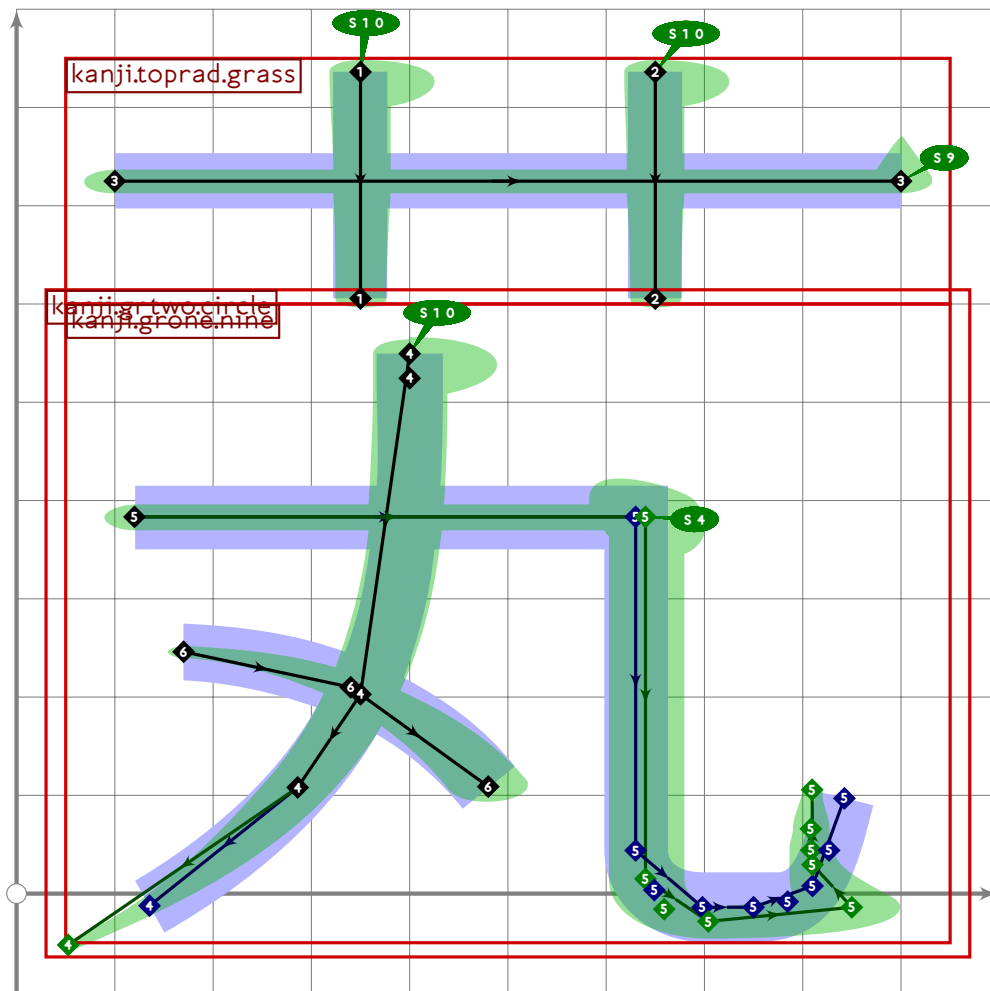
U+827D
tsuku.uni827D



```

278 % extra
279 begintuglyph("uni827D";125);
280 build_kanji.tb(600,0)
281   (kanji.toprad.grass)
282   (kanji.grone.nine);
283 tsu_render;
284 endtsuglyph;
285

```

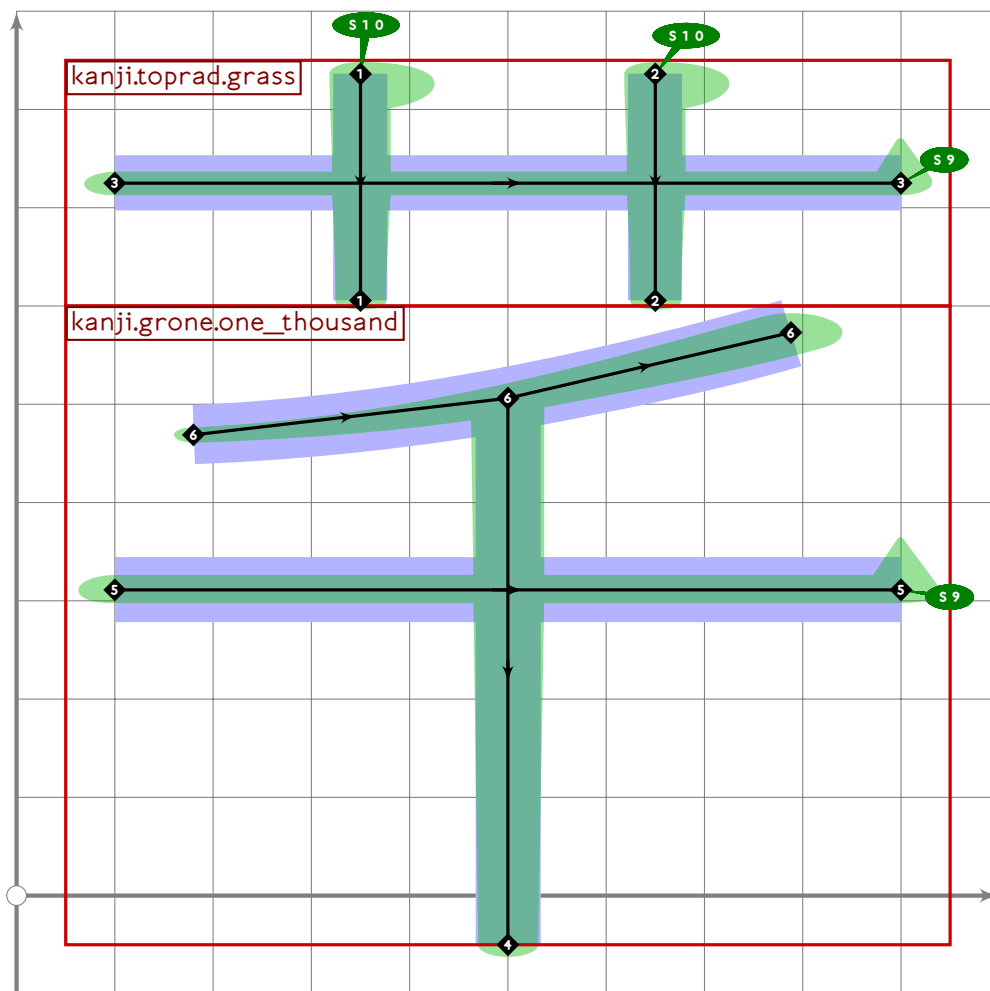


```

286 % extra
287 begintsuglyph("uni8284",132);
288   build_kanji.tb(600,0)
289     (kanji.toprad.grass)
290     (kanji.grtwo.circle);
291   tsu_render;
292 endtsuglyph;
293

```

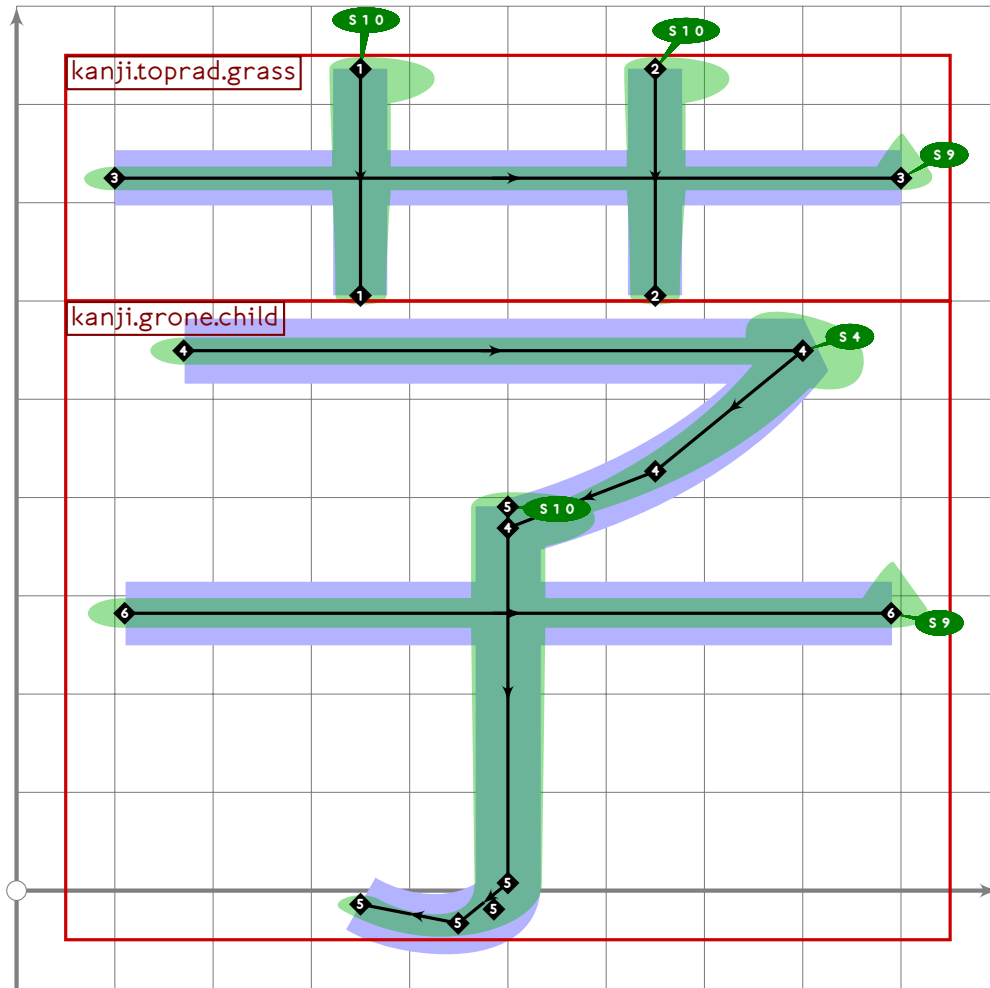
U+828A
tsuku.uni828A



```

294 % extra
295 begintsuglyph("uni828A",138);
296   build_kanji.tb(600,0)
297     (kanji.toprad.grass)
298     (kanji.grone.one_thousand);
299   tsu_render;
300 endtsuglyph;
301

```

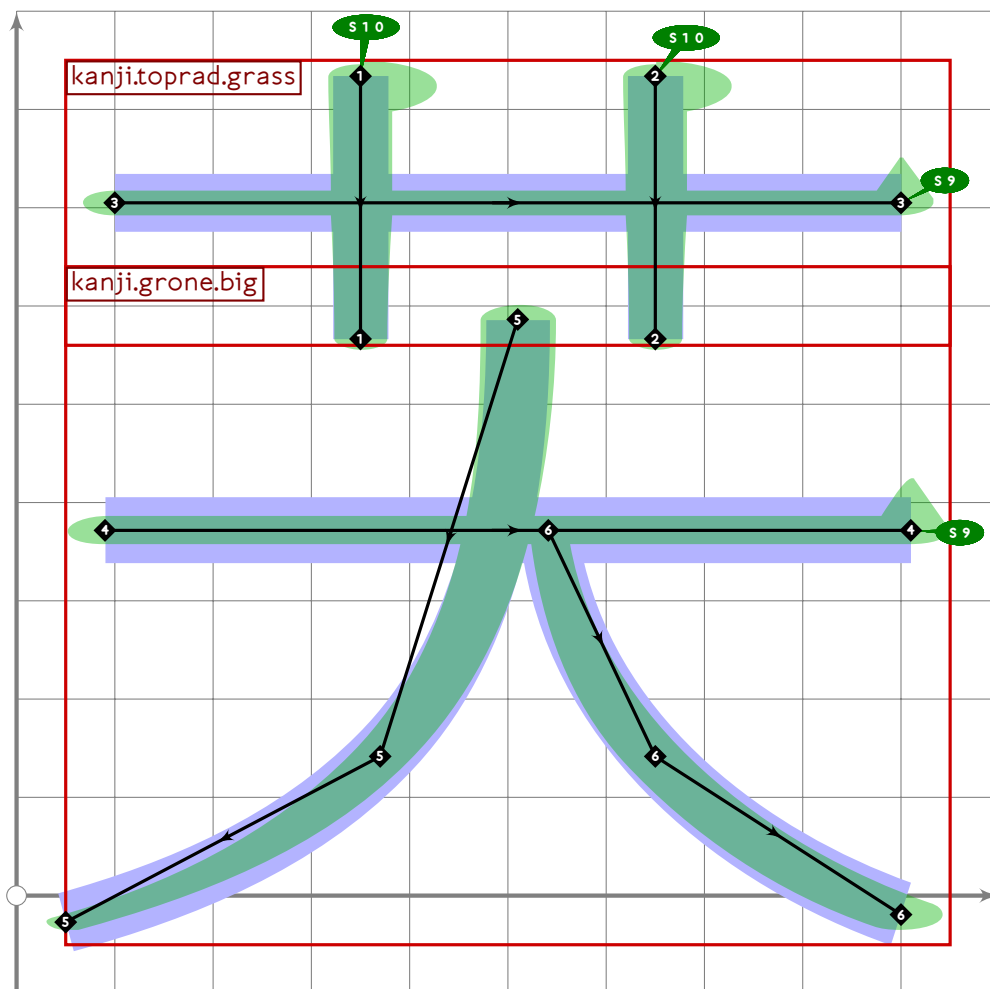


```

302 % extra
303 begintsuglyph("uni8293",147);
304   build_kanji.tb(600,0)
305     (kanji.toprad.grass)
306     (kanji.grone.child);
307   tsu_render;
308 endtsuglyph;
309

```

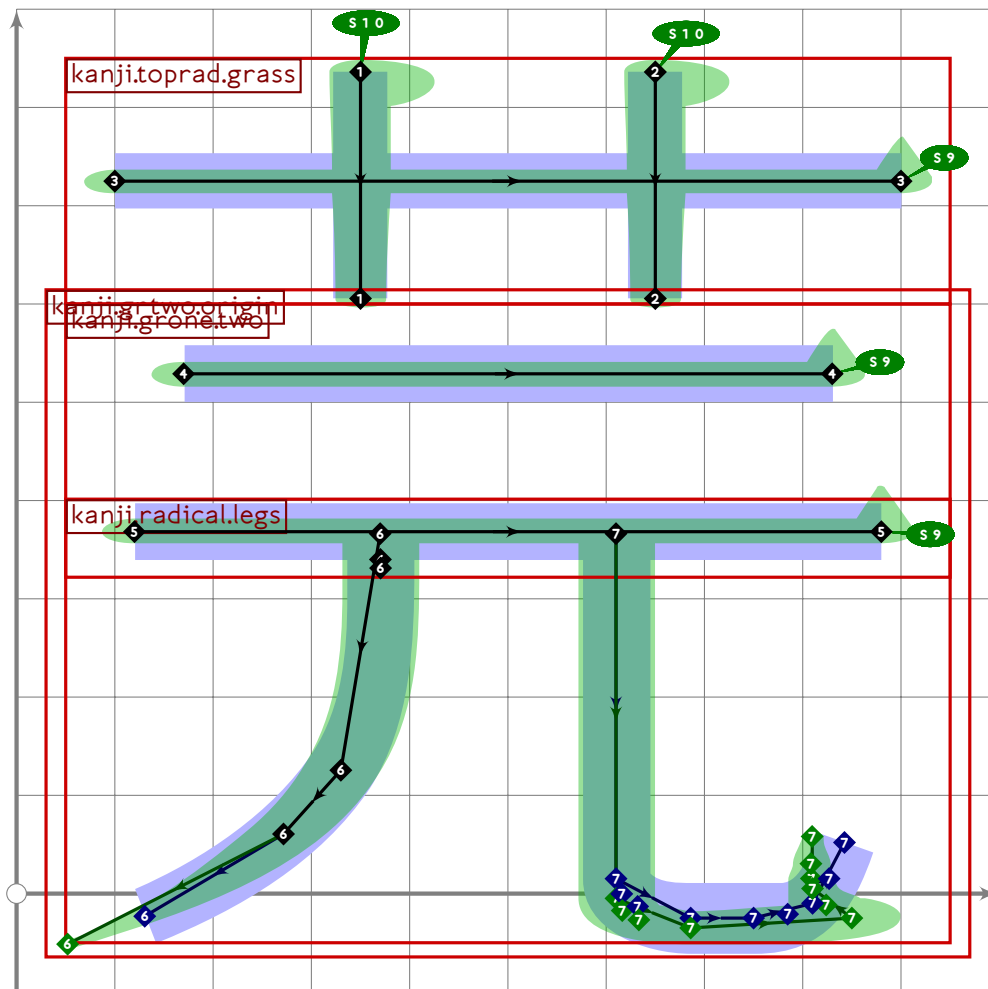

U+8296
tsuku.uni8296



```

310 % extra
311 begint Suglyph("uni8296";150);
312   build_kanji.tb(600,80)
313     (kanji.toprad.grass)
314     (kanji.grone.big);
315   tsu_render;
316 endtsuglyph;
317

```



```

318 % extra
319 begintsuglyph("uni82AB",171);
320   build_kanji.tb(600,0)
321     (kanji.toprad.grass)
322     (kanji.grtwo.origin);
323   tsu_render;
324 endtsuglyph;
325
326 % hana "flower"
327 begintsuglyph("uni82B1",177);
328   kanji.grone.flower;
329   tsu_render;
330 endtsuglyph;
331
332 % gei/u "art"
333 begintsuglyph("uni82B8",184);
334   kanji.grfour.art;
335   tsu_render;
336 endtsuglyph;
337
338 % ga/me "sprout"

```

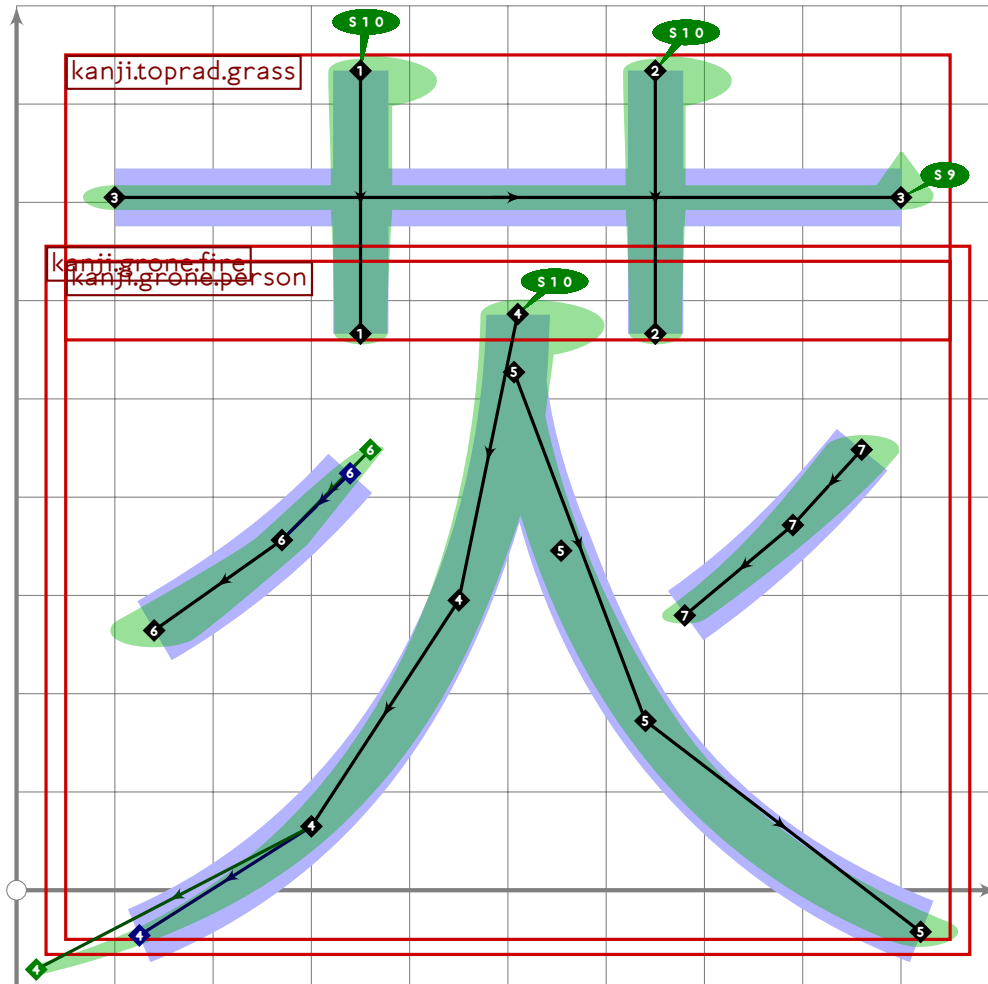
[see page 440]

[see page 3349]

U+82C2
tsuku.uni82C2

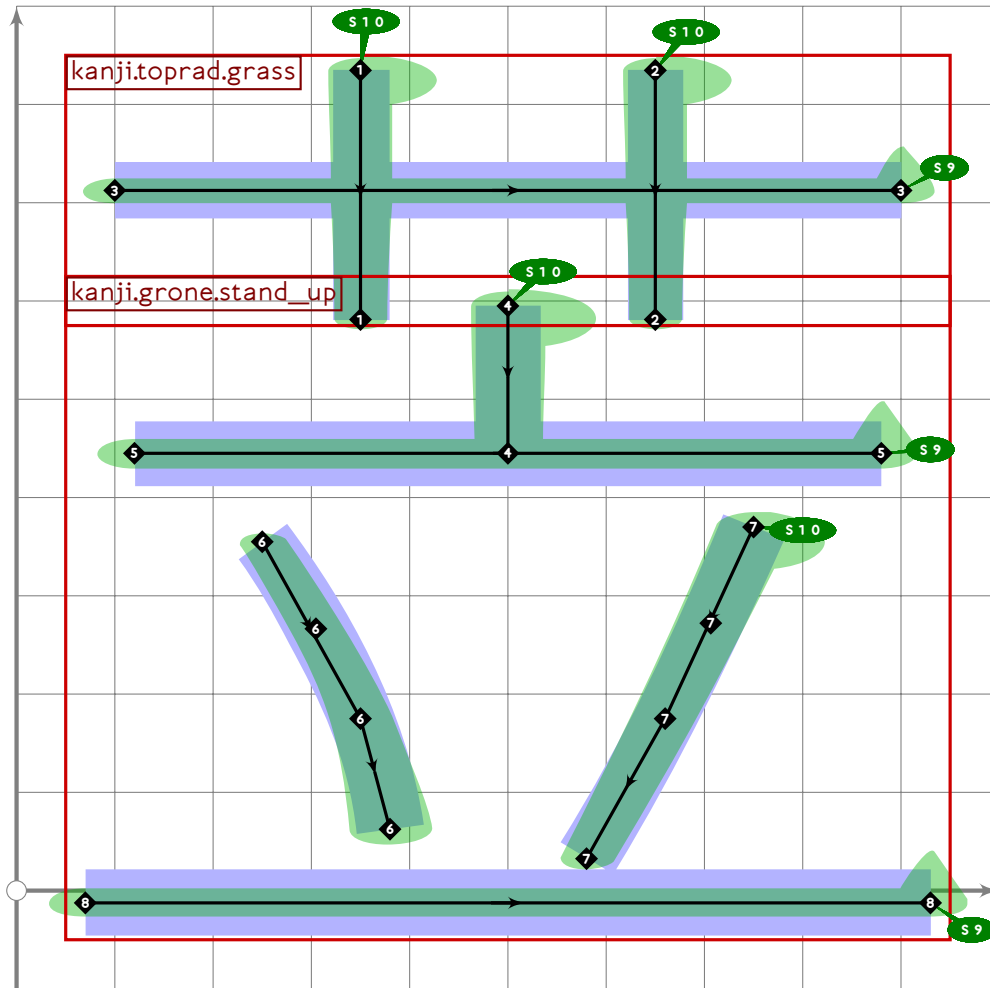
```
339 begintsuglyph("uni82BD",189);  
340 kanji.grfour.sprout;  
341 tsu_render;  
342 endtsuglyph;  
343
```

[see page 3351]



```
344 % extra  
345 begintsuglyph("uni82C2",194);  
346 build_kanji.tb(600,80)  
347 (kanji.toprad.grass)  
348 (kanji.grone.fire);  
349 tsu_render;  
350 endtsuglyph;  
351  
352 % byo/nae "rice seedling"  
353 begintsuglyph("uni82D7",215);  
354 kanji.greight.seedling;  
355 tsu_render;  
356 endtsuglyph;  
357
```

[see page 926]

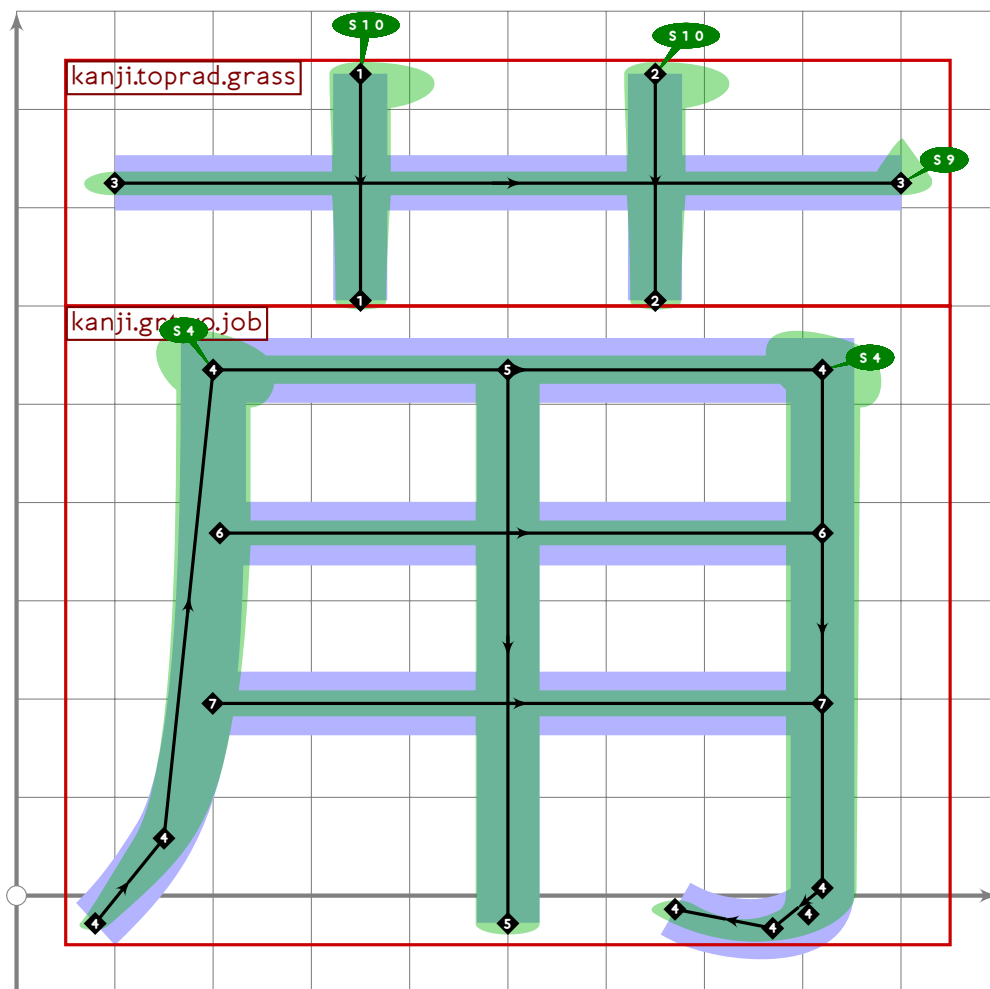


```

358 % extra
359 begintsuglyph("uni82D9";217);
360   build_kanji.tb(600,50)
361     (kanji.toprad.grass)
362     (kanji.grone.stand_up);
363   tsu_render;
364 endtsuglyph;
365

```

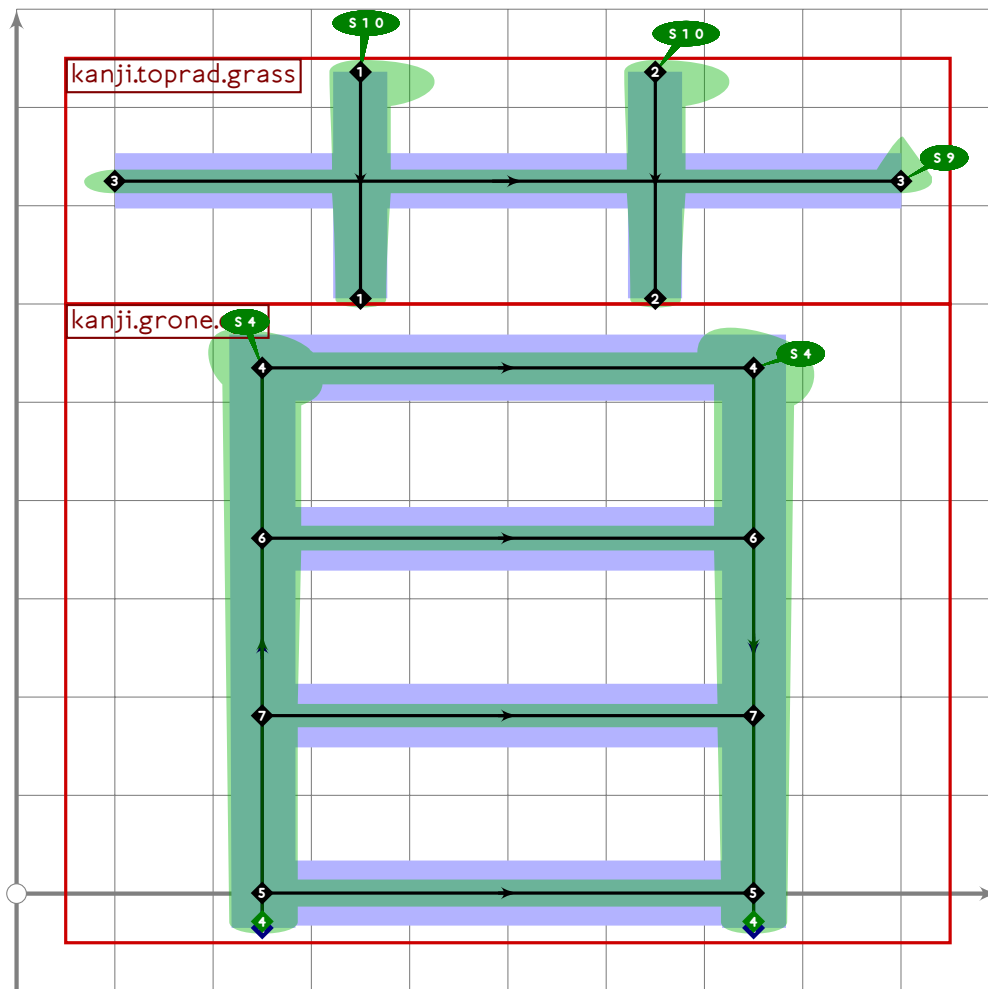
U+82DA
tsuku.uni82DA



```

366 % extra
367 begintsuglyph("uni82DA";218);
368   build_kanji.tb(600,0)
369     (kanji.toprad.grass)
370     (kanji.grtwo.job);
371   tsu_render;
372 endtsuglyph;
373

```



```

374 % extra
375 begintsuglyph("uni82DC";220);
376   build_kanji.tb(600,0)
377     (kanji.toprad.grass)
378     (kanji.grone.eyeye);
379   tsu_render;
380 endtsuglyph;
381
382 % kou/iyashiku "in the least"
383 begintsuglyph("uni82DF";223);
384   kanji.rare.in_the_least;
385   tsu_render;
386 endtsuglyph;
387
388 % waka "young master"
389 begintsuglyph("uni82E5";229);
390   kanji.grsix.young_master;
391   tsu_render;
392 endtsuglyph;
393
394 % ku/kuru "suffering"

```

[see page 1024]

[see page 804]

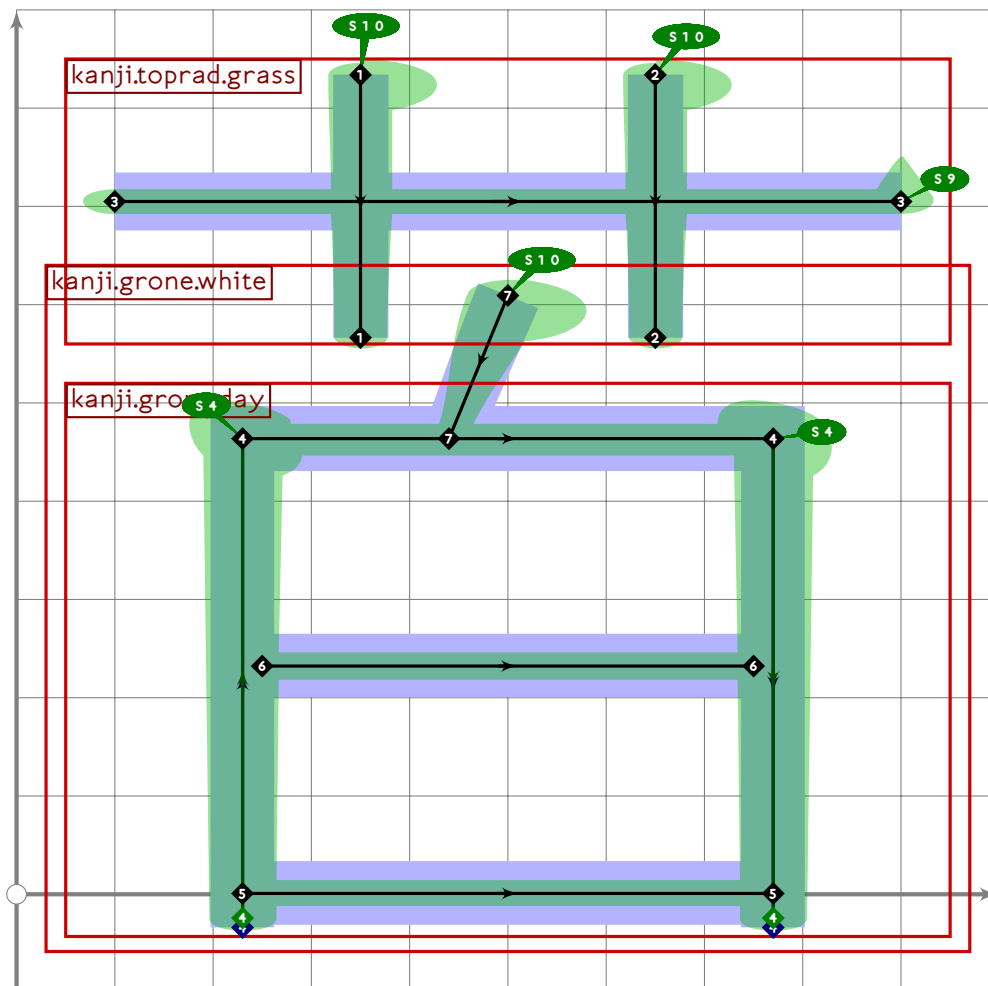
U+82E9
tsuku.uni82E9

```

395 begint Suglyph("uni82E6";230);
396   kanji.grthree.suffering;
397   tsu_render;
398 endtsuglyph;
399

```

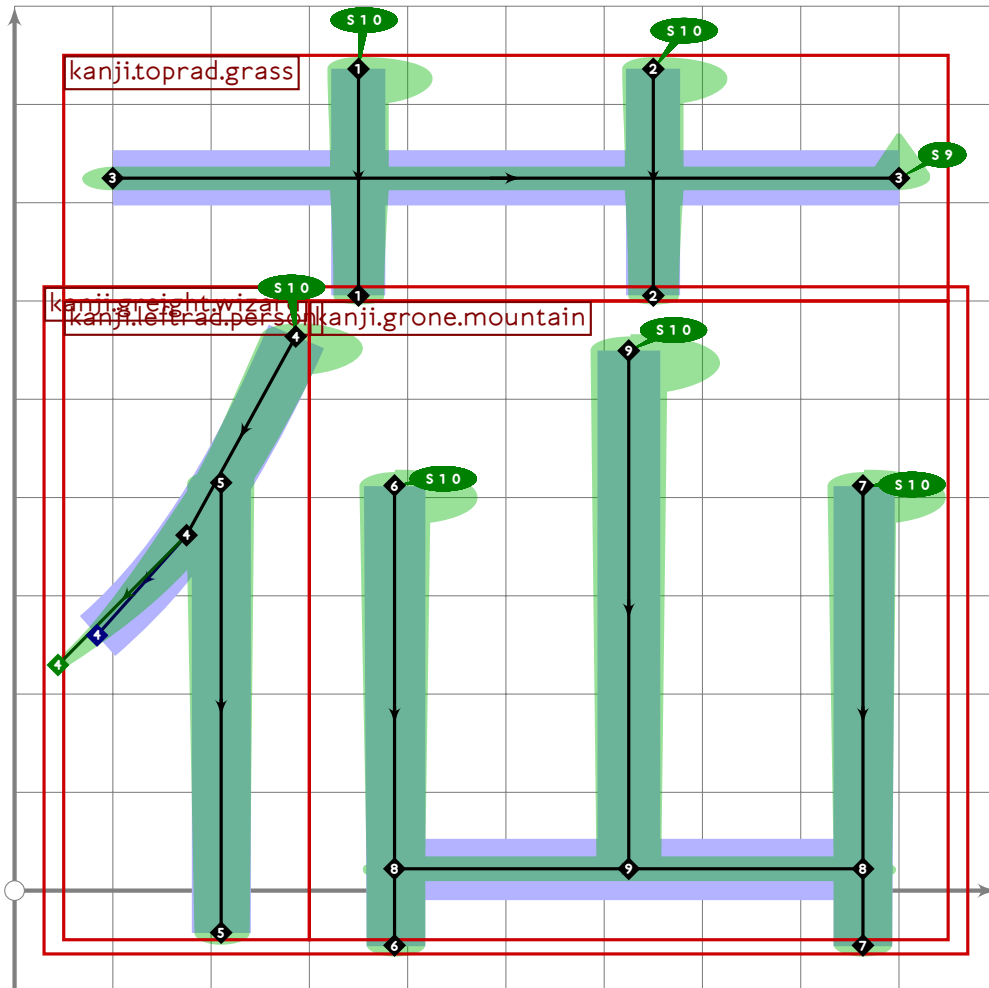
[see page 659]



```

400 % extra
401 begint Suglyph("uni82E9";233);
402   build_kanji.tb(600,80)
403     (kanji.toprad.grass)
404     (kanji.grone.white);
405   tsu_render;
406 endtsuglyph;
407

```

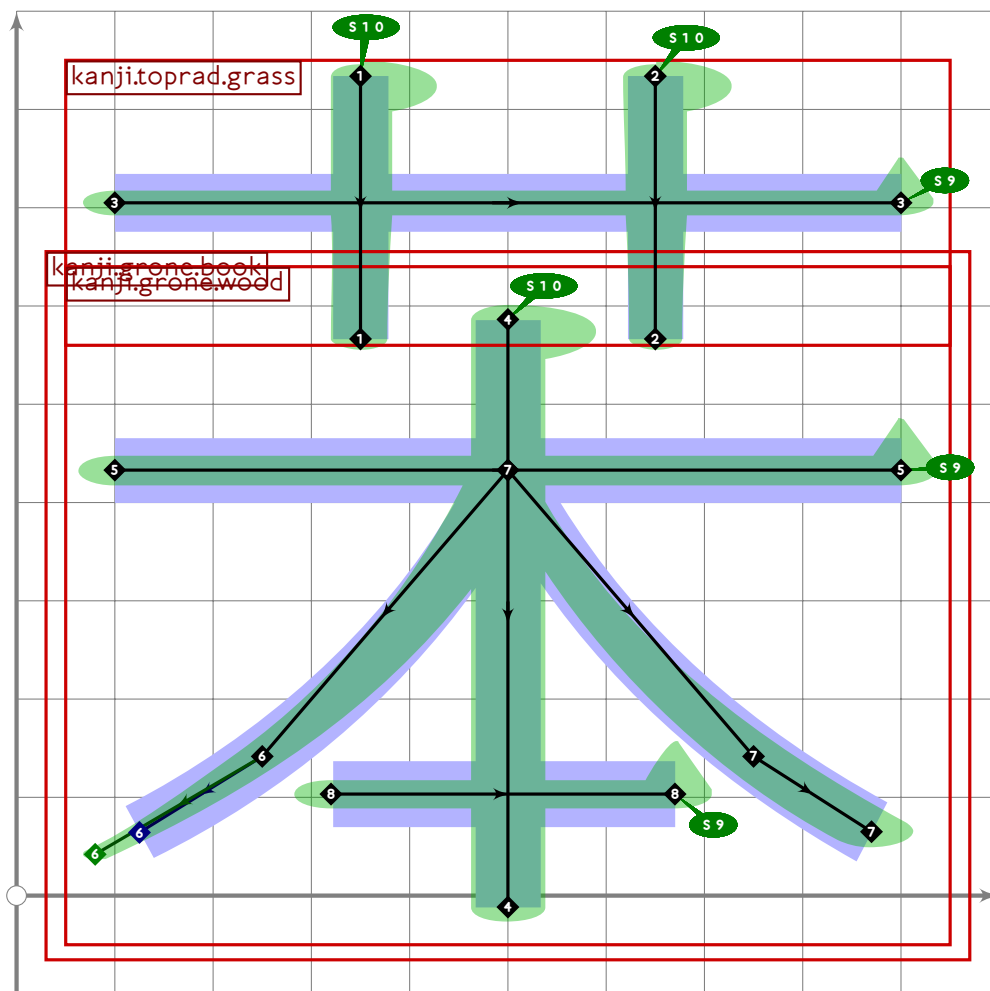


```

408 % extra
409 begintsuglyph("uni82EE";238);
410     build_kanji.tb(600,0)
411         (kanji.toprad.grass)
412         (kanji.greight.wizard);
413     tsu_render;
414 endtsuglyph;
415

```


U+82EF
tsuku.uni82EF

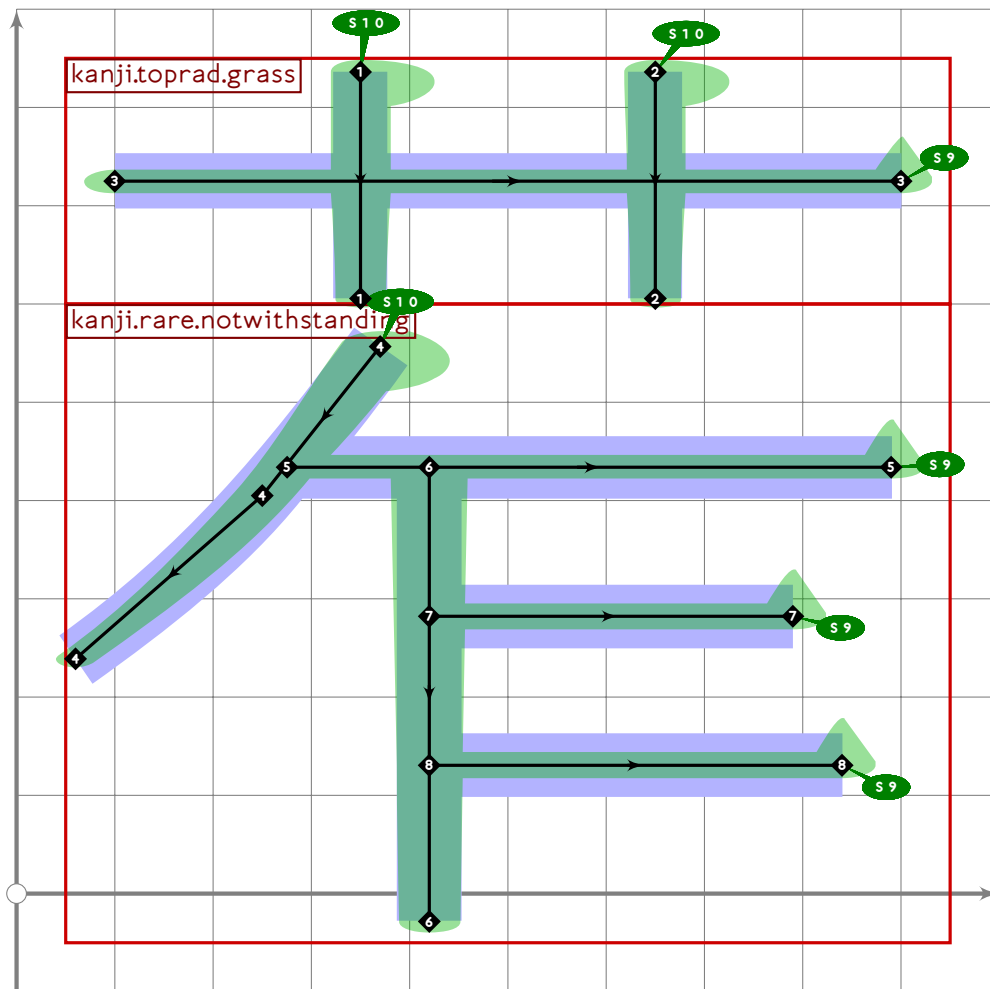


```

416 % extra
417 begintsuglyph("uni82EF",239);
418   build_kanji.tb(600,80)
419     (kanji.toprad.grass)
420     (kanji.grone.book);
421   tsu_render;
422 endtsuglyph;
423
424 % ei "English"
425 begintsuglyph("uni82F1",241);
426   kanji.grfour.english;
427   tsu_render;
428 endtsuglyph;
429

```

[see page 691]

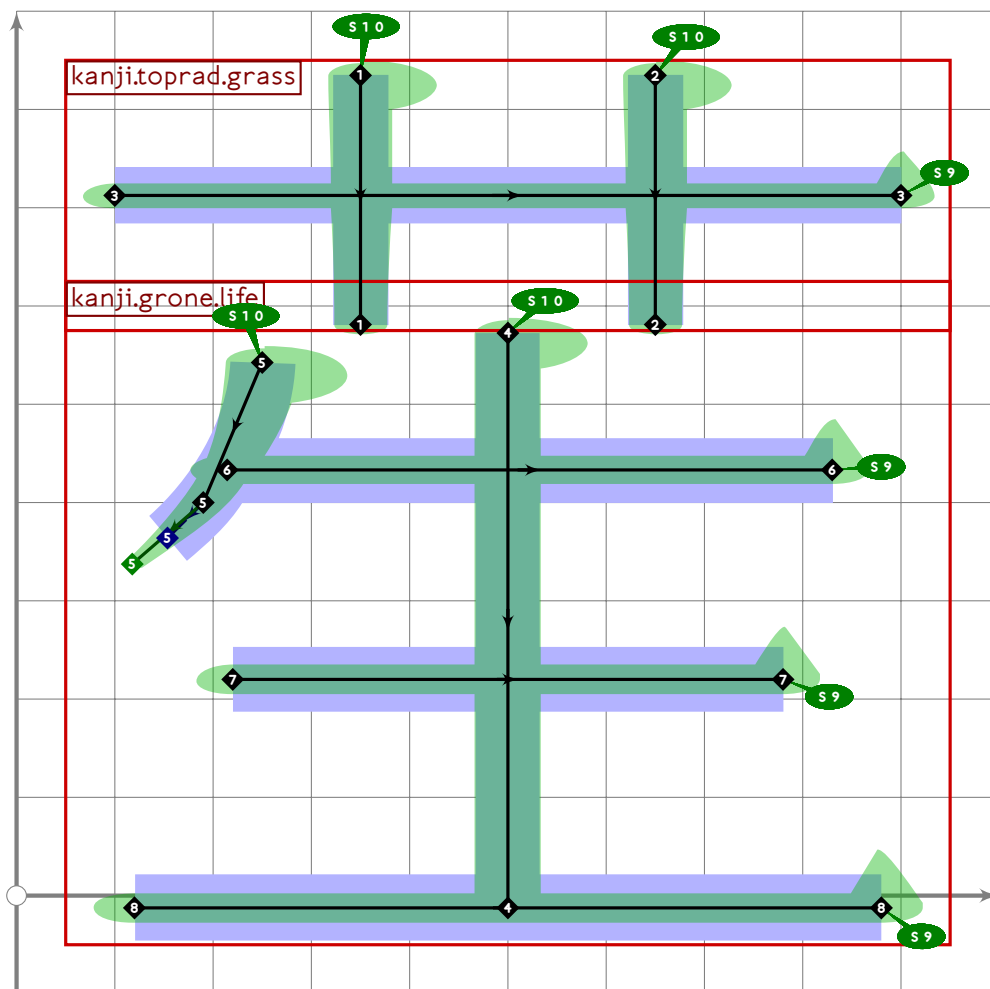


```

430 % extra
431 begint Suglyph("uni82F2",242);
432 build_kanji.tb(600,0)
433   (kanji.toprad.grass)
434   (kanji.rare.notwithstanding);
435   tsu_render;
436 endtsuglyph;
437

```

U+82FC
tsuku.uni82FC



```

438 % extra
439 begintsuglyph("uni82FC";252);
440   build_kanji.tb(600,50)
441     (kanji.toprad.grass)
442     (kanji.grone.life);
443   tsu_render;
444 endtsuglyph;
445
446
447
448 endfont;
449
450

```

tsuku-83.mp

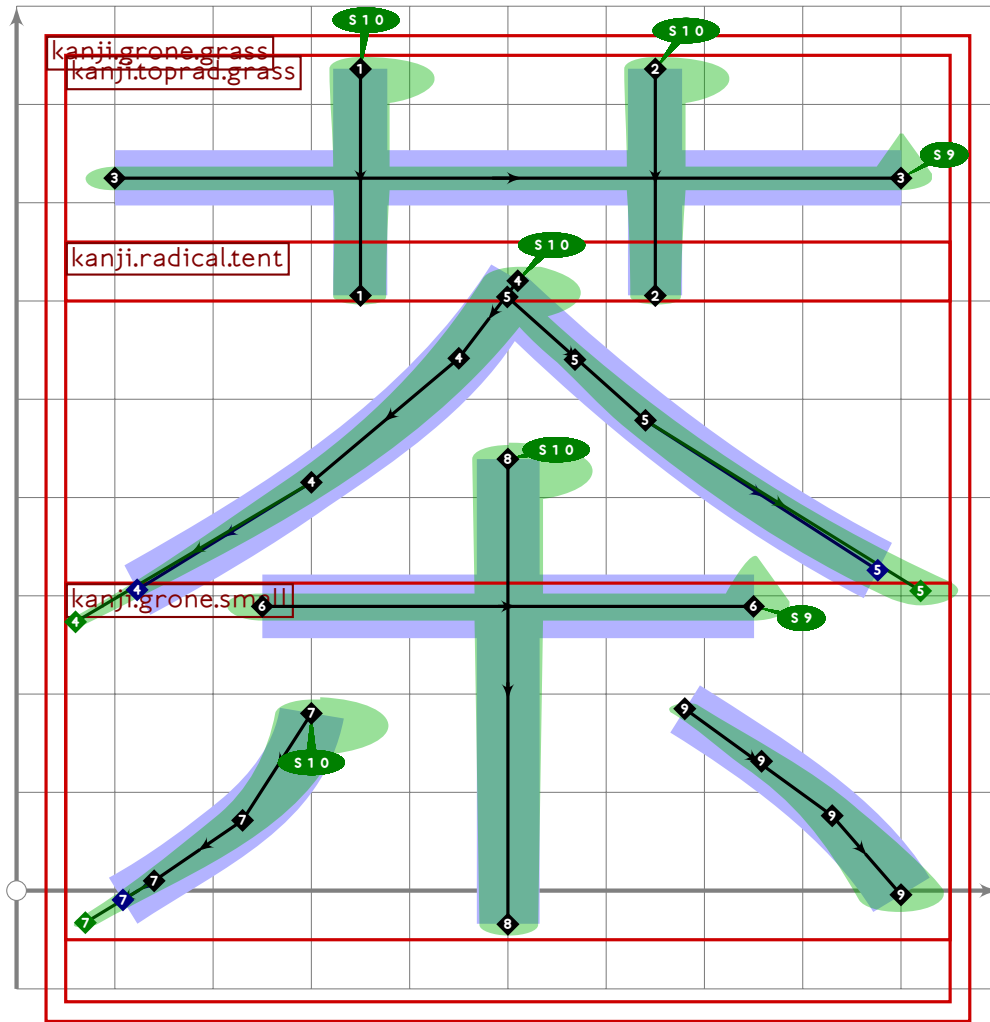
```
1 %
2 % Unicode page 83 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013, 2016, 2017 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

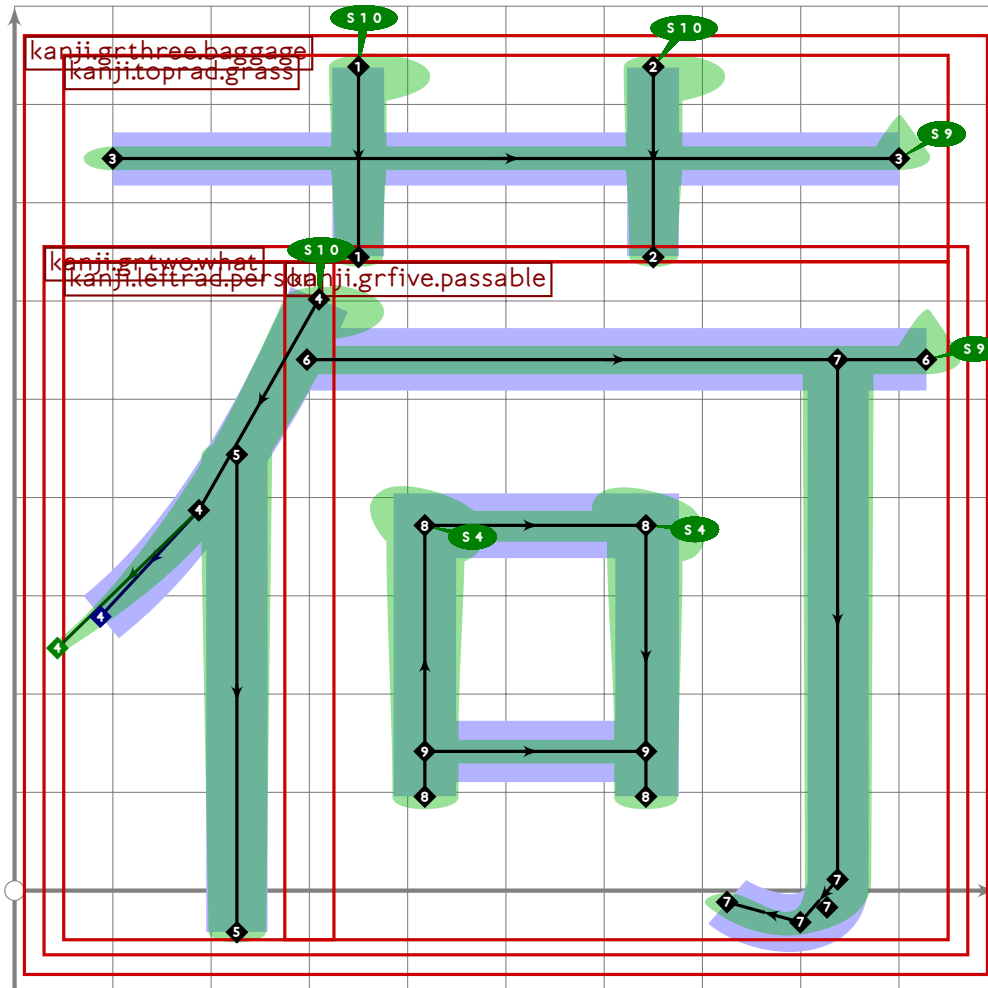

```



```

51
52 vardef kanji.grtwotea =
53   push_pbox_toexpand("kanji.grone.grass");
54   build_kanji.tb(630,60)
55   (kanji.toprad.grass)
56   (build_kanji.level(
57     kanji.radical.tent;
58     replace_strokep(0)((250,380)-(750,380));
59     tsu_xform(identity yscaled 0.6 shifted (0,-100))
60     (kanji.grone.small);
61     replace_strokep(-1)((500,570)-(500,-30));
62     replace_strokeq(-1)((1.6,1.6)-(1.4,1.4));
63   ));
64   expand_pbox;
65 enddef;
66
67

```

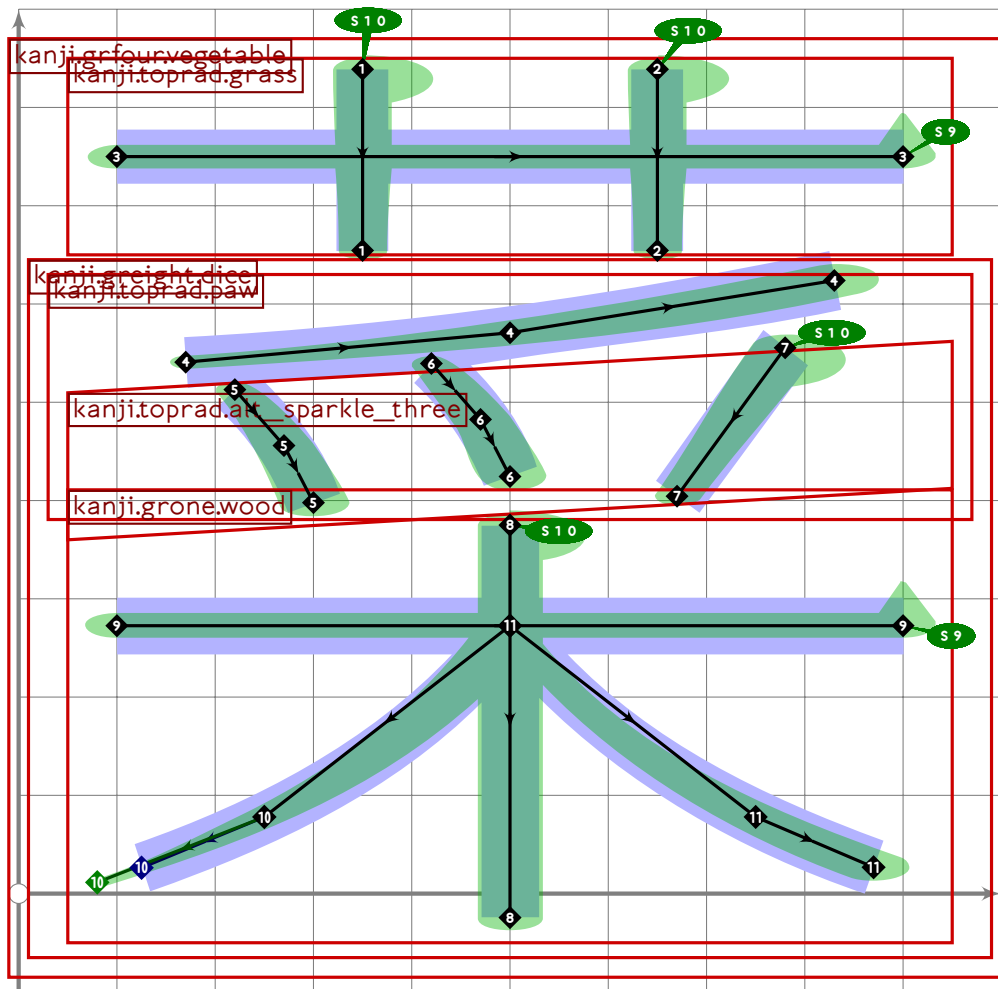


```

68
69 vardef kanji.grthree.baggage =
70   push_pbox_toexpand("kanji.grthree.baggage");
71   build_kanji.tb(640,0)
72     (kanji.toprad.grass)
73     (kanji.grtwo.what);
74   expand_pbox;
75 enddef;
76
77

```

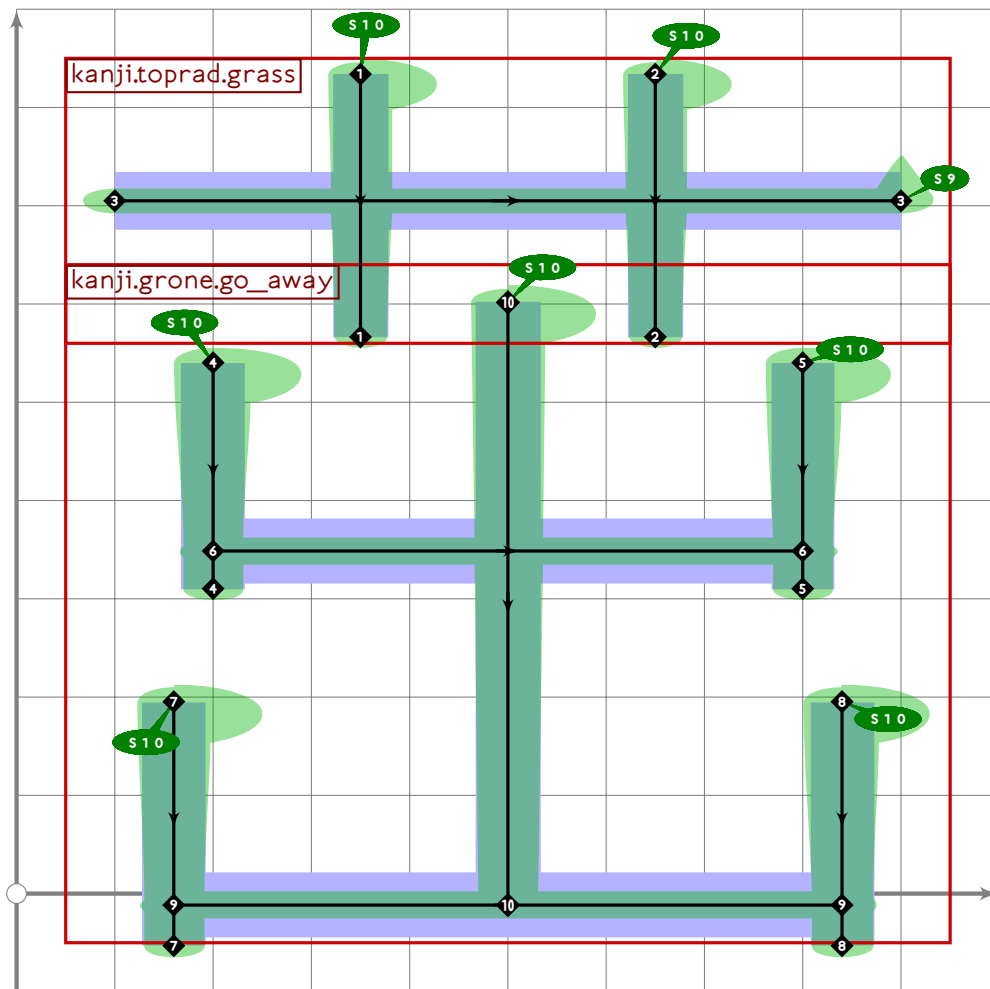
U+83DC
tsuku.uni83DC



```

78
79 vardef kanji.grfour.vegetable =
80   push_pbox_toexpand("kanji.grfour.vegetable");
81   build_kanji.tb(640,-20)
82     (kanji.toprad.grass)
83     (kanji.greight.dice);
84   expand_pbox;
85 enddef;
86
87
88

```

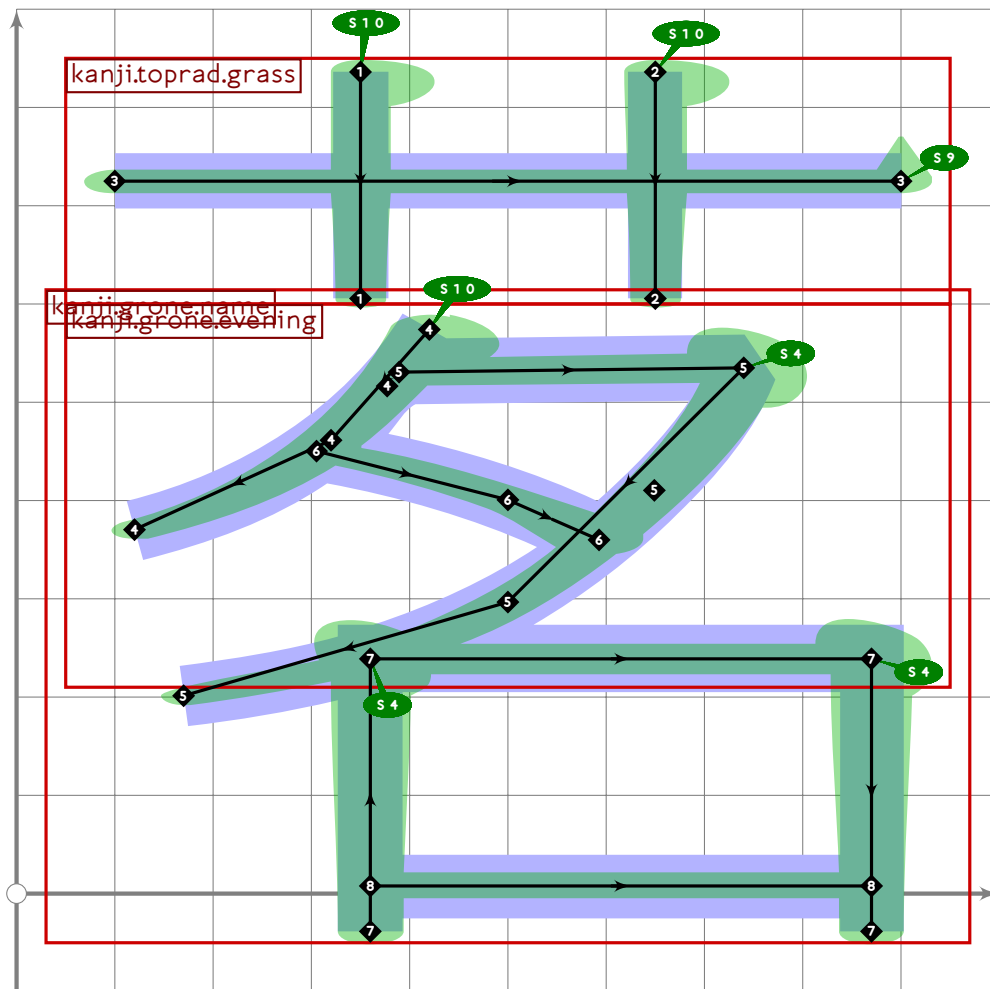


```

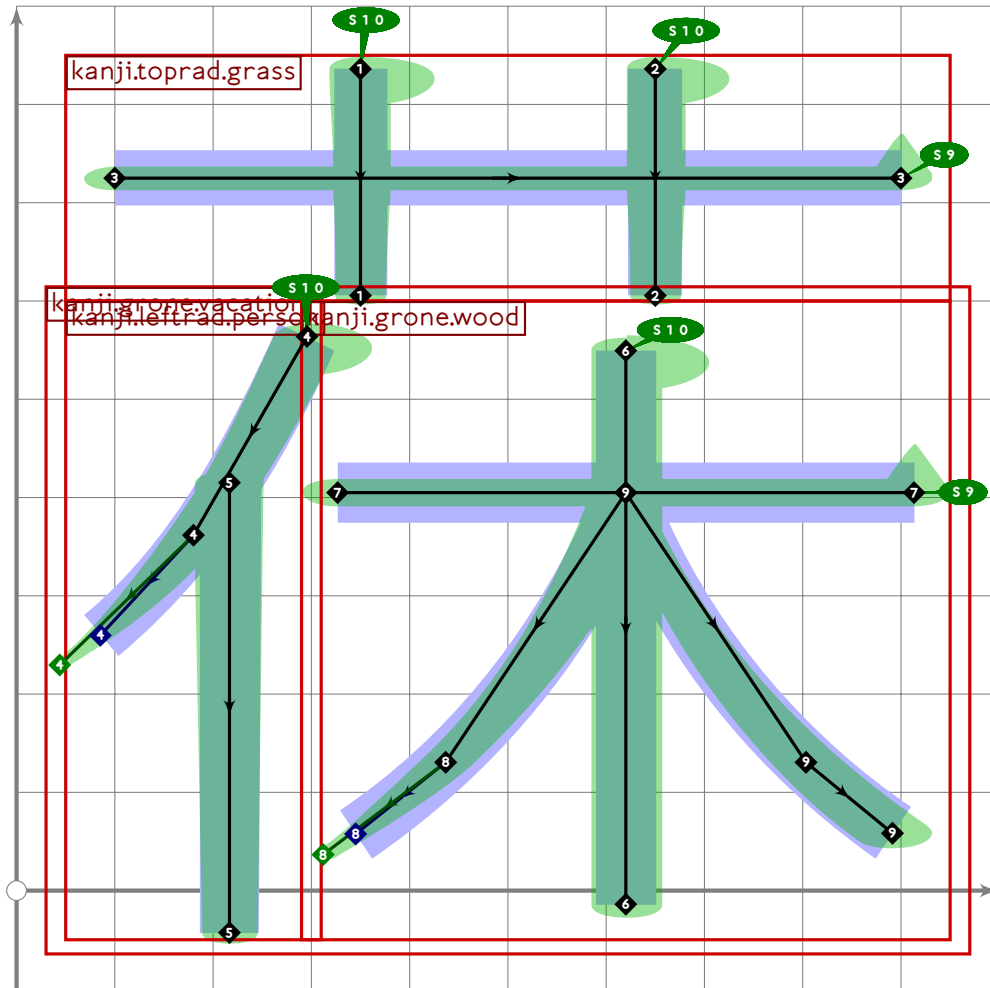
89 % extra
90 begintsuglyph("uni8301",1);
91   build_kanji.tb(600,80)
92     (kanji.toprad.grass)
93     (kanji.grone.go_away);
94   tsu_render;
95 endtsuglyph;
96

```


U+8317
tsuku.uni8317



```
97 % myou/cha "tea"  
98 begintsuglyph("uni8317";23);  
99 build_kanji.tb(600,0)  
100 (kanji.toprad.grass)  
101 (kanji.grone.name);  
102 tsu_render;  
103 endsuglyph;  
104
```

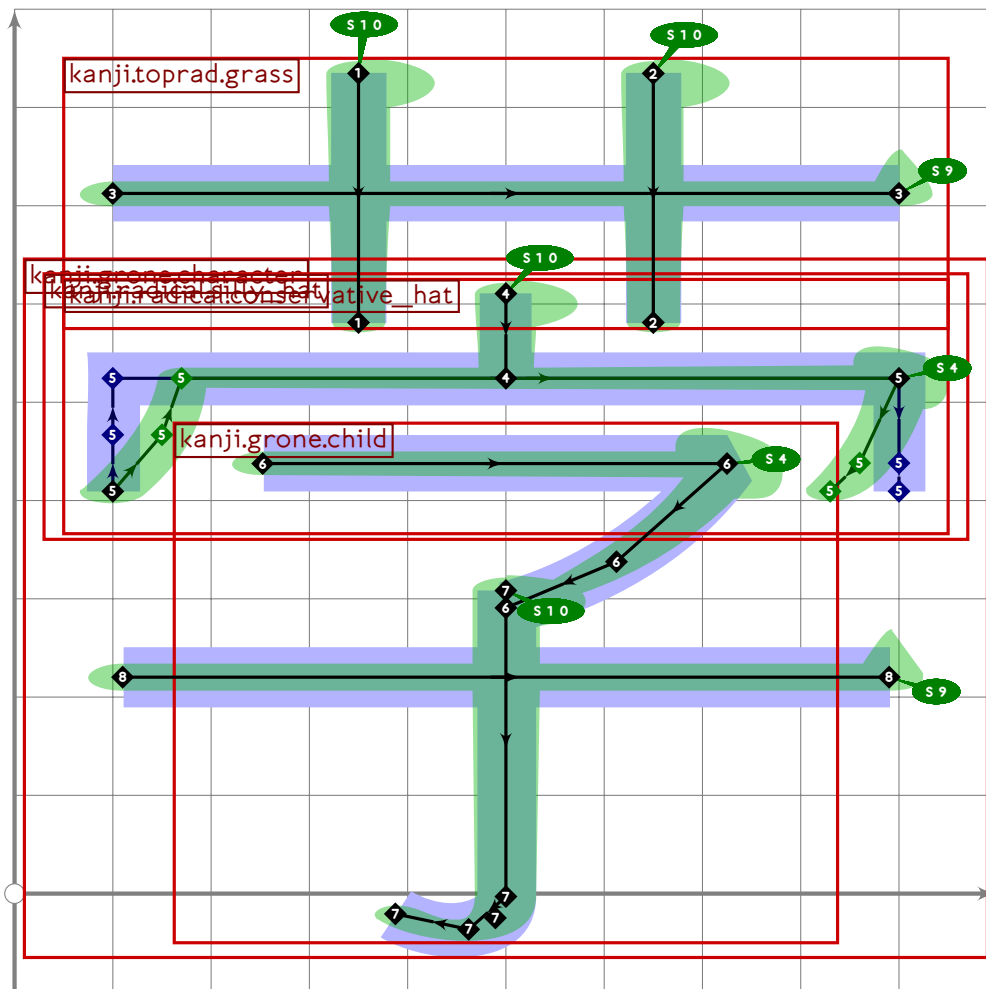


```

105 % extra
106 begintsuglyph("uni8320",32);
107   build_kanji.tb(600,0)
108     (kanji.toprad.grass)
109     (kanji.grone.vacation);
110   tsu_render;
111 endtsuglyph;
112

```

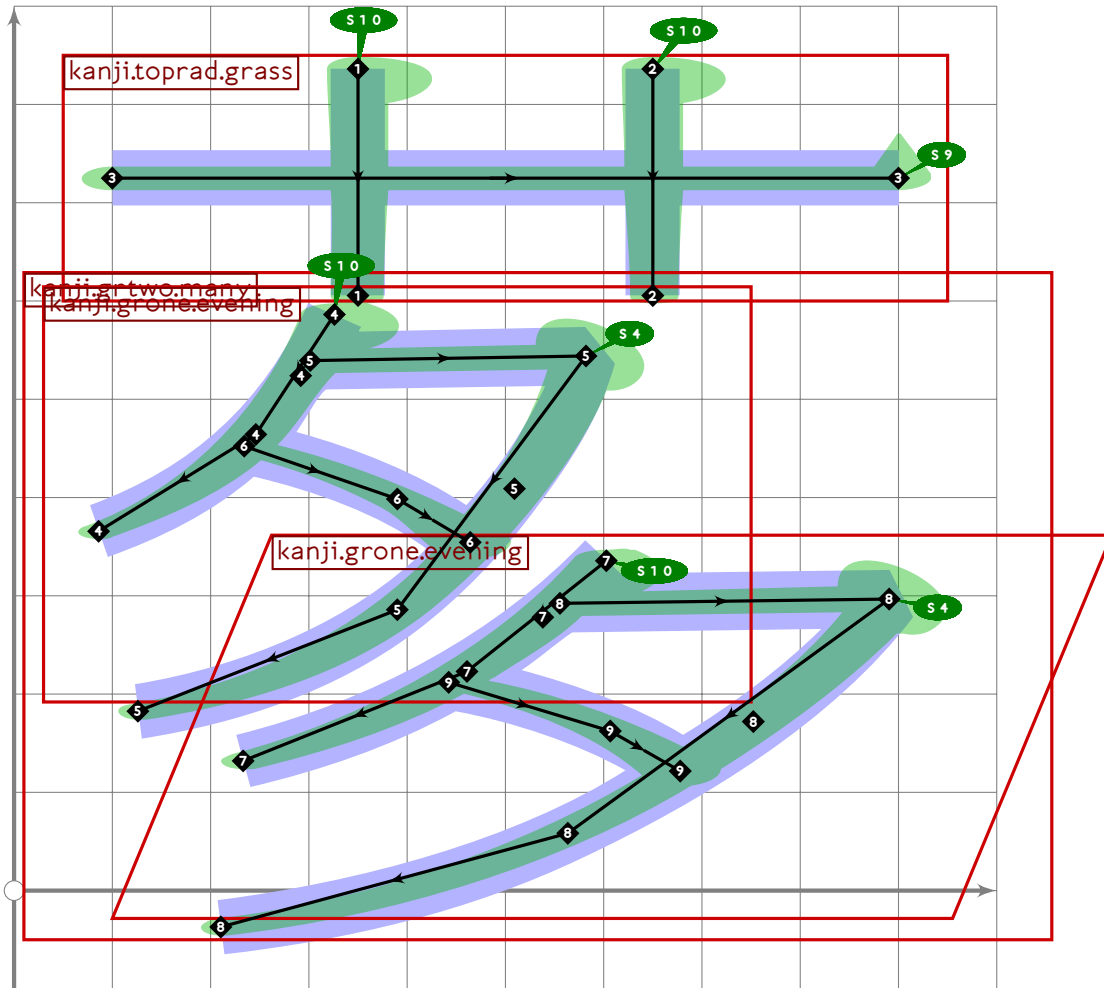
U+8321
tsuku.uni8321



```

113 % extra
114 begintsuglyph("uni8321";33);
115   build_kanji.tb(600,50)
116     (kanji.toprad.grass)
117     (kanji.grone.character);
118   tsu_render;
119 endtsuglyph;
120

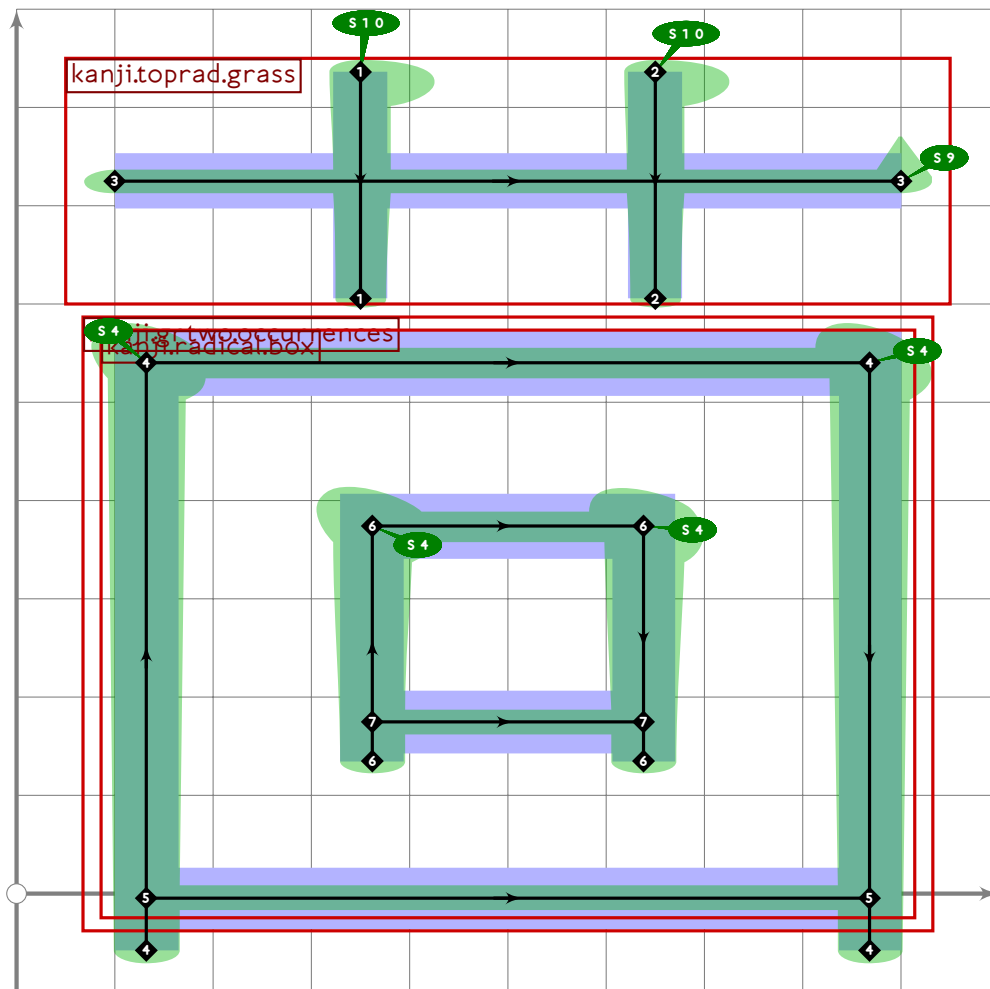
```



```

121 % extra
122 beginsuglyph("uni8324";36);
123   build_kanji.tb(600,0)
124     (kanji.toprad.grass)
125     (kanji.grtwo.many);
126   tsu_render;
127 endsuglyph;
128

```

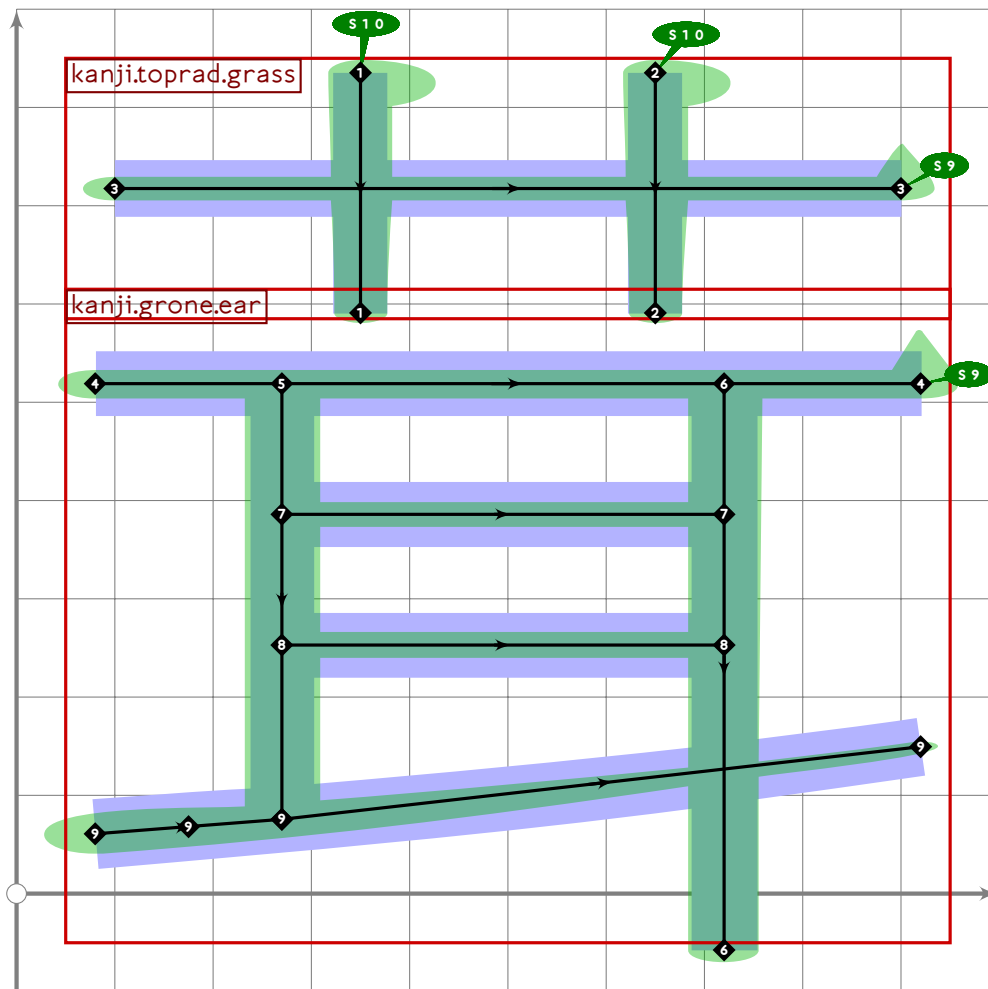


```

129 % extra
130 begintsuglyph("uni8334";52);
131   build_kanji.tb(600,0)
132     (kanji.toprad.grass)
133     (build_kanji.sscale(scaled 0.92)(kanji.grtwo.occurrences));
134   tsu_render;
135 endtsuglyph;
136
137 % cha/sa "tea"
138 begintsuglyph("uni8336";54);
139   kanji.grtwo.tea;
140   tsu_render;
141 endtsuglyph;
142

```

[see page 3380]



```

143 % extra
144 begintsuglyph("uni8338",56);
145   build_kanji.tb(600,30)
146     (kanji.toprad.grass)
147     (kanji.grone.ear);
148   tsu_render;
149 endtsuglyph;
150
151 % sou/kusa "grass"
152 begintsuglyph("uni8349",73);
153   kanji.grone.grass;
154   tsu_render;
155 endtsuglyph;
156
157 % ka/ni "baggage"
158 begintsuglyph("uni8377",119);
159   kanji.grthree.baggage;
160   tsu_render;
161 endtsuglyph;
162
163 % baku/kure "must not" but that is taken; also used in the name of this nut

```

[see page 445]

[see page 3381]

U+83F4
tsuku.uni83F4

```
164 begintsuglyph("uni83AB";171);
```

[see page 961]

```
165 kanji.grnine.malva_nut;
```

```
166 tsu_render;
```

```
167 endtsuglyph;
```

```
168
```

```
169 % hoku/wazurawashii "no meaning given, but needed to build 'boku'"
```

```
170 begintsuglyph("uni83D0";208);
```

[see page 1023]

```
171 kanji.rare.eight_three_dee_zero;
```

```
172 tsu_render;
```

```
173 endtsuglyph;
```

```
174
```

```
175 % sai/na "vegetable"
```

```
176 begintsuglyph("uni83DC";220);
```

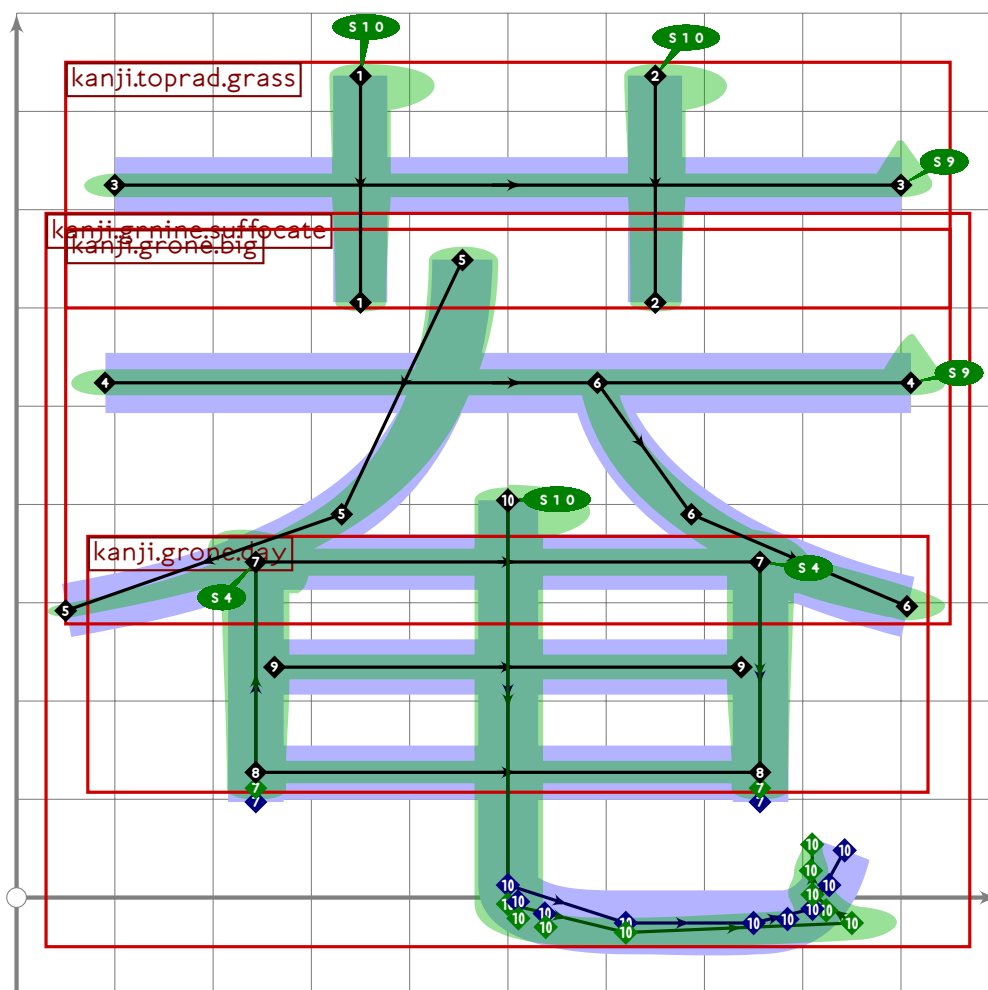
[see page 3382]

```
177 kanji.grfour.vegetable;
```

```
178 tsu_render;
```

```
179 endtsuglyph;
```

```
180
```



```
181 % extra an/iori "hermitage"
```

```
182 begintsuglyph("uni83F4";244);
```

```
183 build_kanji.tb(640,80)
```

```
184 (kanji.toprad.grass)
```

```
185     (kanji.grnine.suffocate);  
186   tsu_render;  
187 endtsuglyph;  
188  
189 _____  
190  
191 endfont;  
192  
193 _____
```