

作りましょう 0.7

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 0.7

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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U+7600 to U+89FF

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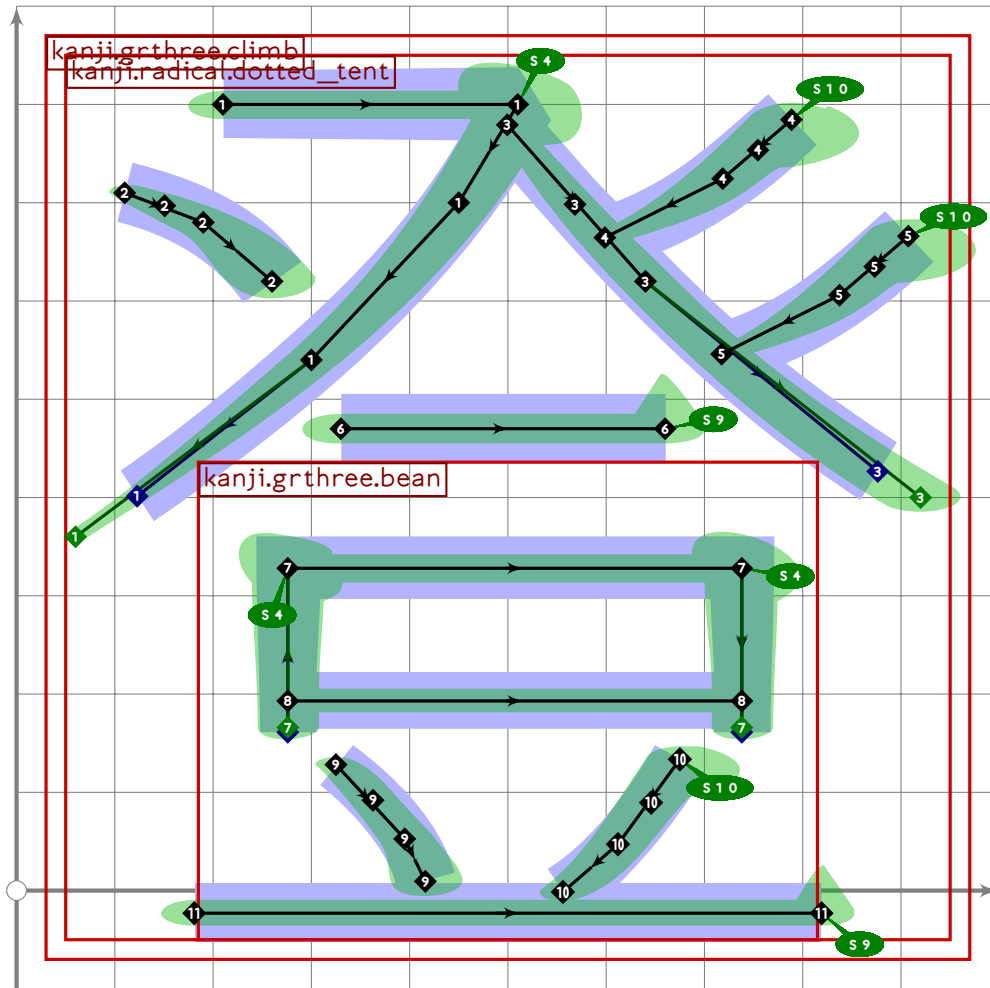

```
1 %
2 % Unicode page 76 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input 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
46 do_late_includes;
47
48 

---

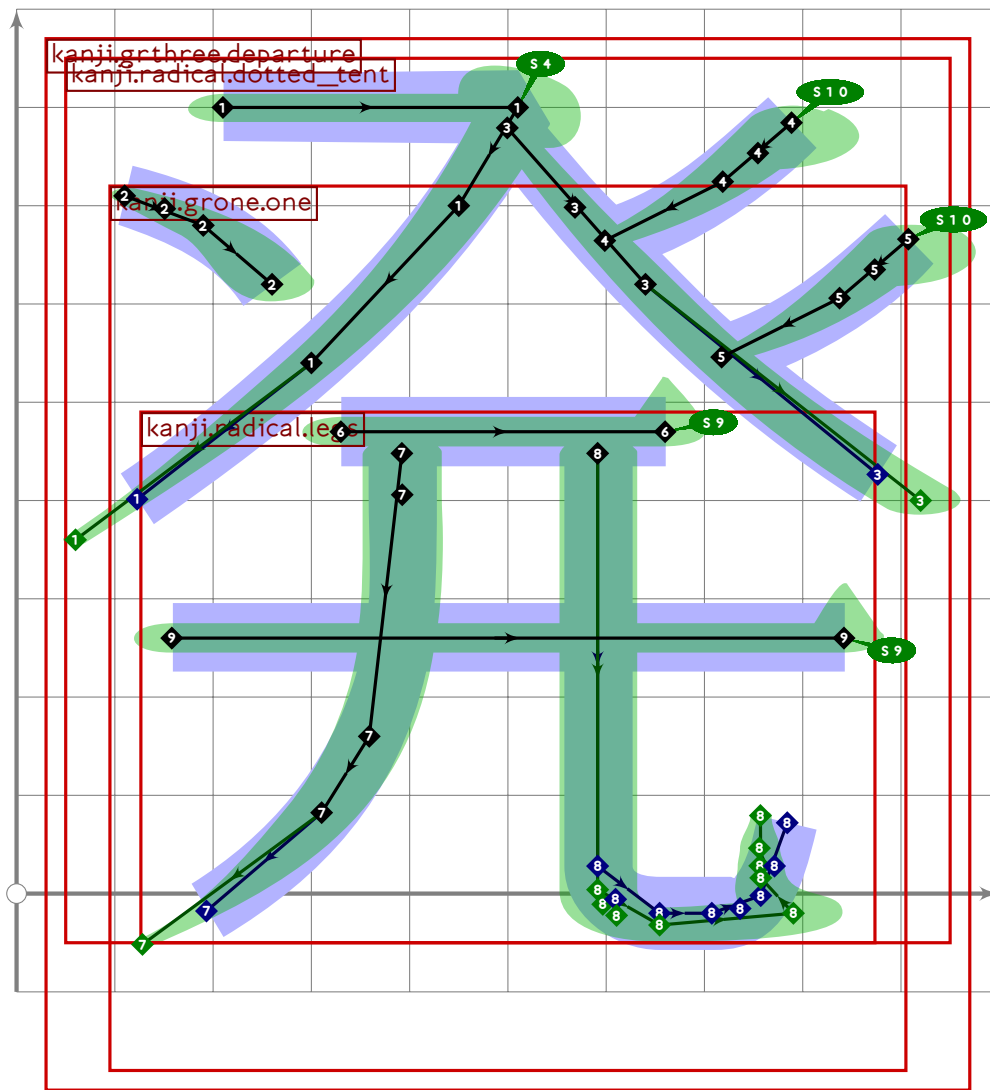

```



```

49
50 vardef kanji.grthree.climb =
51   push_pbox__toexpand("kanji.grthree.climb");
52   kanji.radical.dotted_tent;
53   tsu_xform(identity shifted (-500,50) xyscaled (0.7,0.54) shifted (500,-50))
54     (kanji.grthree.bean);
55   obstacktype[find_whatsoever(otstroke,-5)]:=otnull;
56   replace_stroke(0)(oldp shifted (-500,0) xscaled 1.2 shifted (500,0));
57   expand_pbox;
58 enddef;

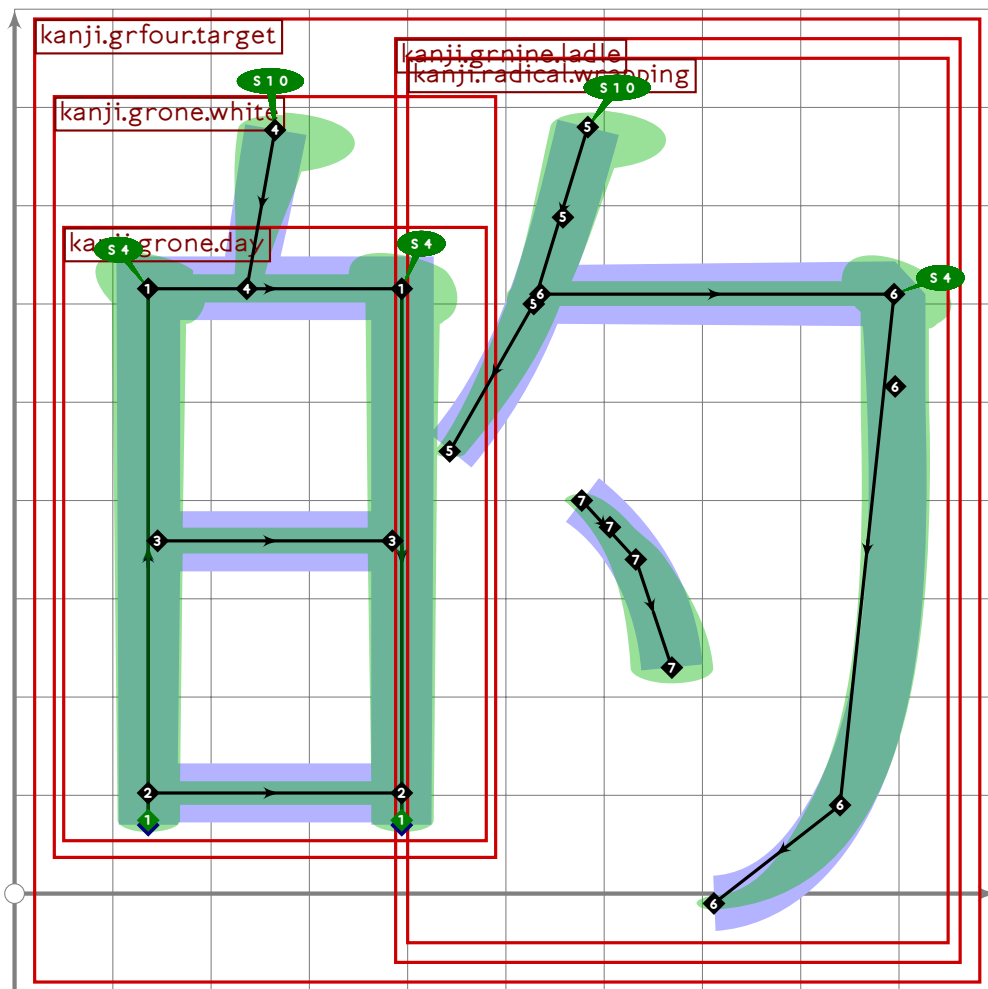
```



```

59
60 vardef kanji.grthree.departure =
61   push_pbox_toexpand("kanji.grthree.departure");
62   build_kanji.level(
63     kanji.radical.dotted_tent;
64     tsu_xform(identity shifted (-500,50) xyscaled (0.83,0.6) shifted (500,-50))
65     (kanji.radical.legs);
66     build_kanji.sscale(xscaled 0.9 shifted (0,-130))(kanji.grone.one));
67   expand_pbox;
68 enddef;
69
70

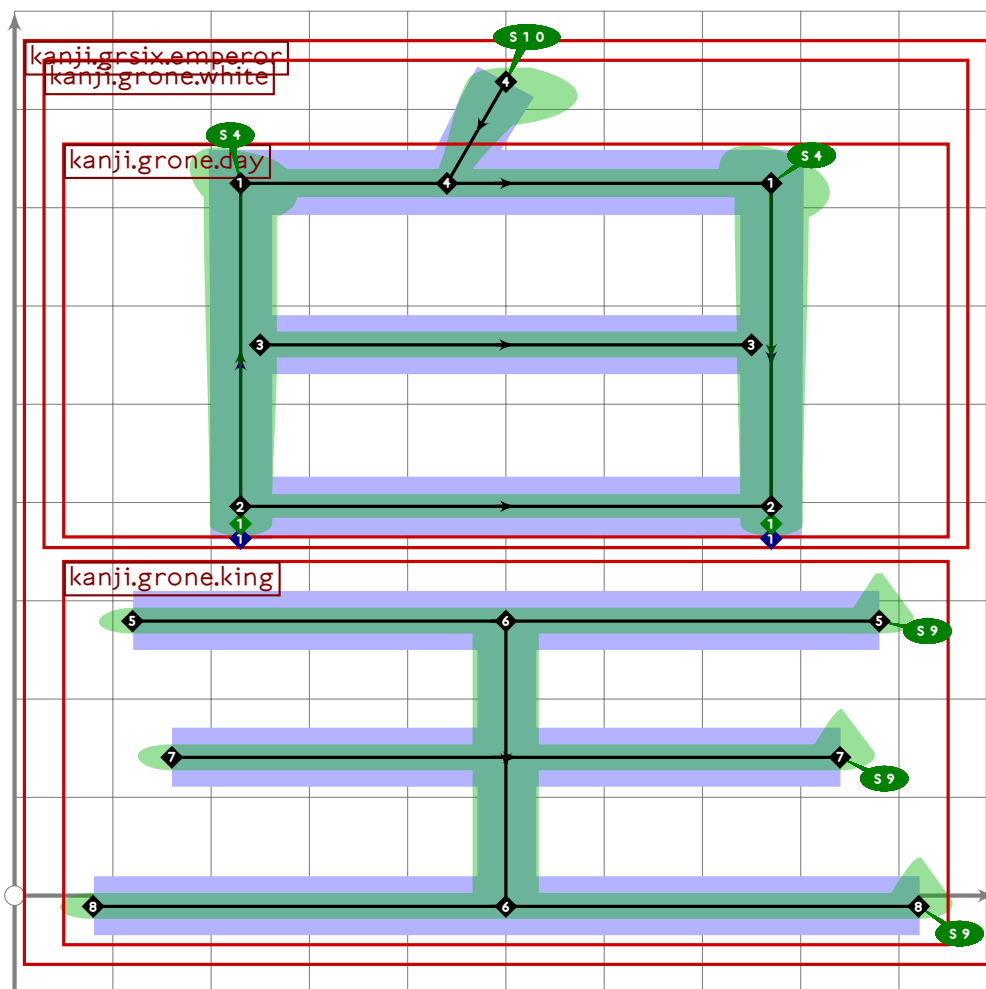
```



```

71
72 vardef kanji.grfour.target =
73   push_pbox_toexpand("kanji.grfour.target");
74   build_kanji.level(build_kanji.lr(440,80)
75     (build_kanji.sscale(yscaled 0.85 shifted (0,30))
76       (kanji.grone.white)
77       (kanji.grnine.ladle));
78   expand_pbox;
79 enddef;
80
81

```



```

82
83 vardef kanji.grsix.emperor =
84   push_pbox_toexpand("kanji.grsix.emperor");
85   build_kanji.tb(350,-20)
86     (kanji.grone.white)
87     (kanji.grone.king);
88   expand_pbox;
89 enddef;
90
91
92
93 % "dotted tent" radical (macro includes floor inside tent)
94 begintsuglyph("uni7676",118);
95   kanji.radical.dotted_tent;
96   tsu_render;
97 endtsuglyph;
98
99 % hatsu/ta "departure"
100 begintsuglyph("uni767A",122);
101   kanji.grthree.departure;
102   tsu_render;

```

[see page 663]

[see page 2341]

```

103 endtsuglyph;
104
105 % tou/nobo "climb"
106 begintsuglyph("uni767B";123); [see page 2340]
107   kanji.grthree.climb;
108   tsu_render;
109 endtsuglyph;
110
111 % shiro "white"
112 begintsuglyph("uni767D";125); [see page 475]
113   kanji.grone.white;
114   tsu_render;
115 endtsuglyph;
116
117 % hyako/momo "hundred"
118 begintsuglyph("uni767E";126); [see page 437]
119   kanji.grone.hundred;
120   tsu_render;
121 endtsuglyph;
122
123 % teki/mato "target" and adjective ending
124 begintsuglyph("uni7684";132); [see page 2342]
125   kanji.grfour.target;
126   tsu_render;
127 endtsuglyph;
128
129 % kai/minna "everybody"
130 begintsuglyph("uni7686";134); [see page 708]
131   kanji.greight.everybody;
132   tsu_render;
133 endtsuglyph;
134
135 % kou "emperor"
136 begintsuglyph("uni7687";135); [see page 2343]
137   kanji.grsix.emperor;
138   tsu_render;
139 endtsuglyph;
140
141 % hi/kawa "pelt"
142 begintsuglyph("uni76AE";174); [see page 580]
143   kanji.grthree.pelt;
144   tsu_render;
145 endtsuglyph;
146
147 % bei/sara "dish"
148 begintsuglyph("uni76BF";191); [see page 560]
149   kanji.grthree.dish;
150   tsu_render;

```

```

151 endtsuglyph;
152
153 % moku/me "eye"
154 begintsuglyph("uni76EE";238); [see page 429]
155   kanji.grone.ey;
156   tsu_render;
157 endtsuglyph;
158
159 % choku/nao multiple meanings including "straight" and "honesty"
160 % "The 'nao' in Naota is for honesty"
161 begintsuglyph("uni76F4";244); [see page 538]
162   kanji.grtwo.straight;
163   tsu_render;
164 endtsuglyph;
165
166 % sou/ai "mutual" but also "indication seen by fortune teller"
167 begintsuglyph("uni76F8";248); [see page 559]
168   kanji.grthree.correlation;
169   tsu_render;
170 endtsuglyph;
171
172 _____
173
174 endfont;
175
176 _____

```

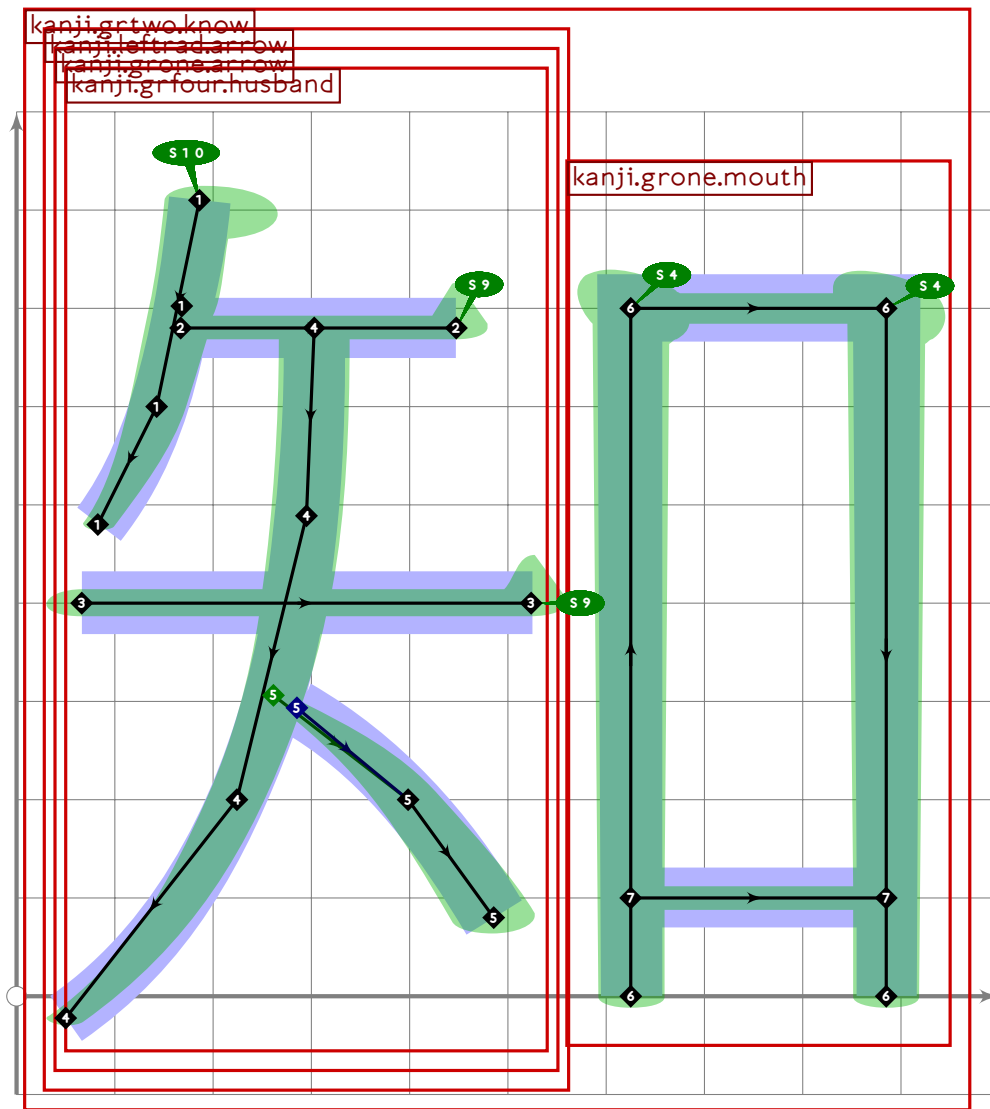
```
1 %
2 % Unicode page 77 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

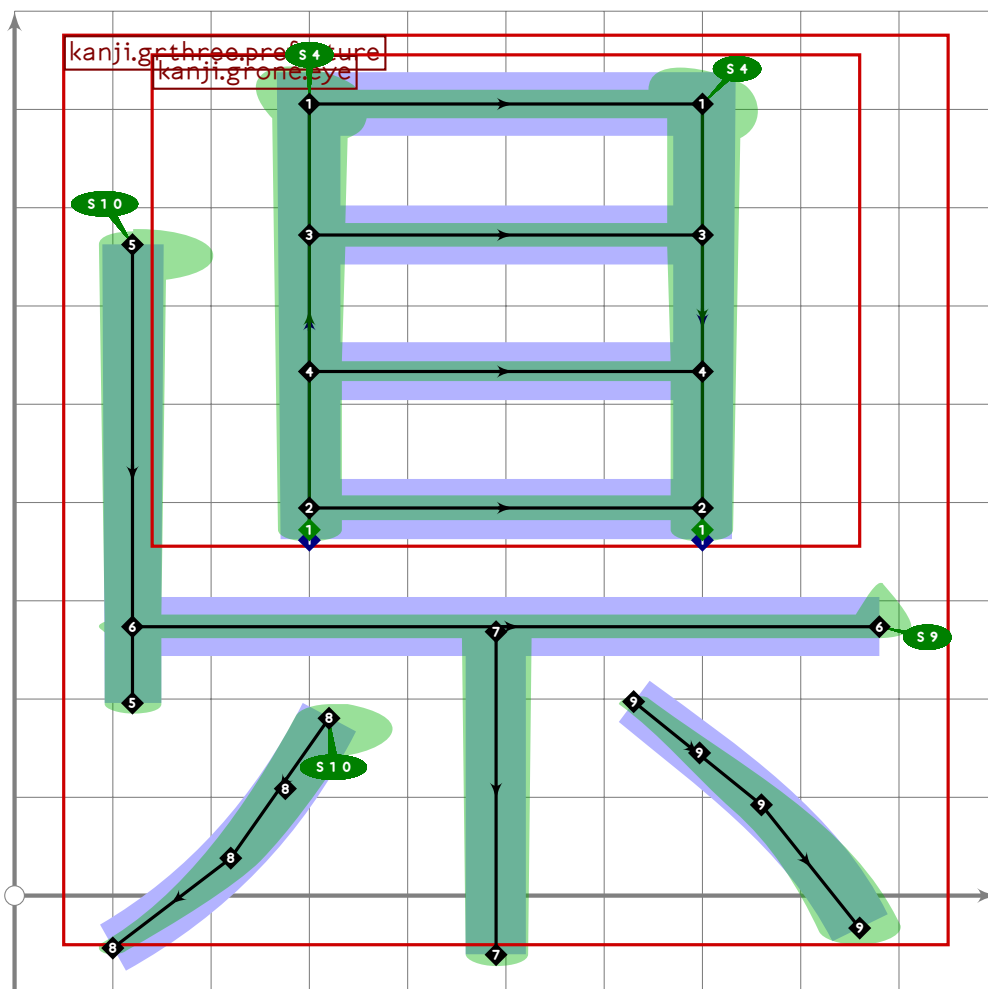

```



```

46
47 vardef kanji.grtwo.know =
48   push_pbox_toexpand("kanji.grtwo.know");
49   build_kanji.level(build_kanji.lr(550;-20)
50     (kanji.leftrad.arrow)
51     (kanji.grone.mouth));
52   expand_pbox;
53 enddef;
54
55

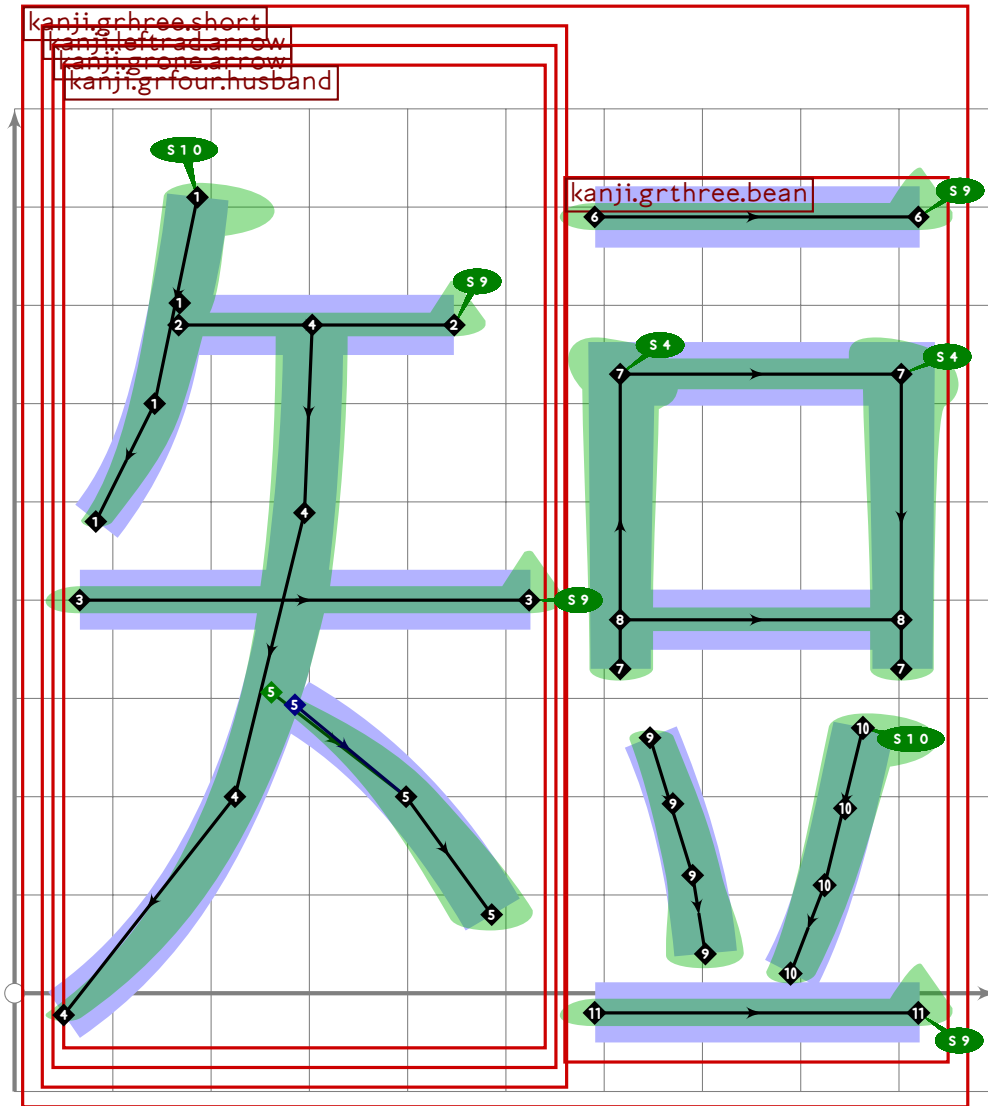
```



```

56
57 vardef kanji.grthree.prefecture =
58   push_pbox__toexpand("kanji.grthree.prefecture");
59   build_kanji.level(build_kanji.tb(240,30)
60     (build_kanji.scale(scaled 0.80 shifted (0,100))(kanji.grone.ey);
61     build_kanji.cup((120,580),(880,20));
62     set_bosize(-1,0);
63     set_bosetif(0,1,9))
64     (push_stroke((490,890)-(490,-80),(1.6,1.6)-(1.5,1.5));
65     push_stroke((320,630)..tension 1.3..(220,210)..(100,-60),
66       (1.6,1.6)-(1.5,1.5)-(1,1));
67     set_bosetif(0,0,10);
68     push_stroke((630,680)..tension 1.3..(760,370)..(860,0),
69       (1,1)-(1.5,1.5)-(1.8,1.8))));
70   expand__pbox;
71 enddef;

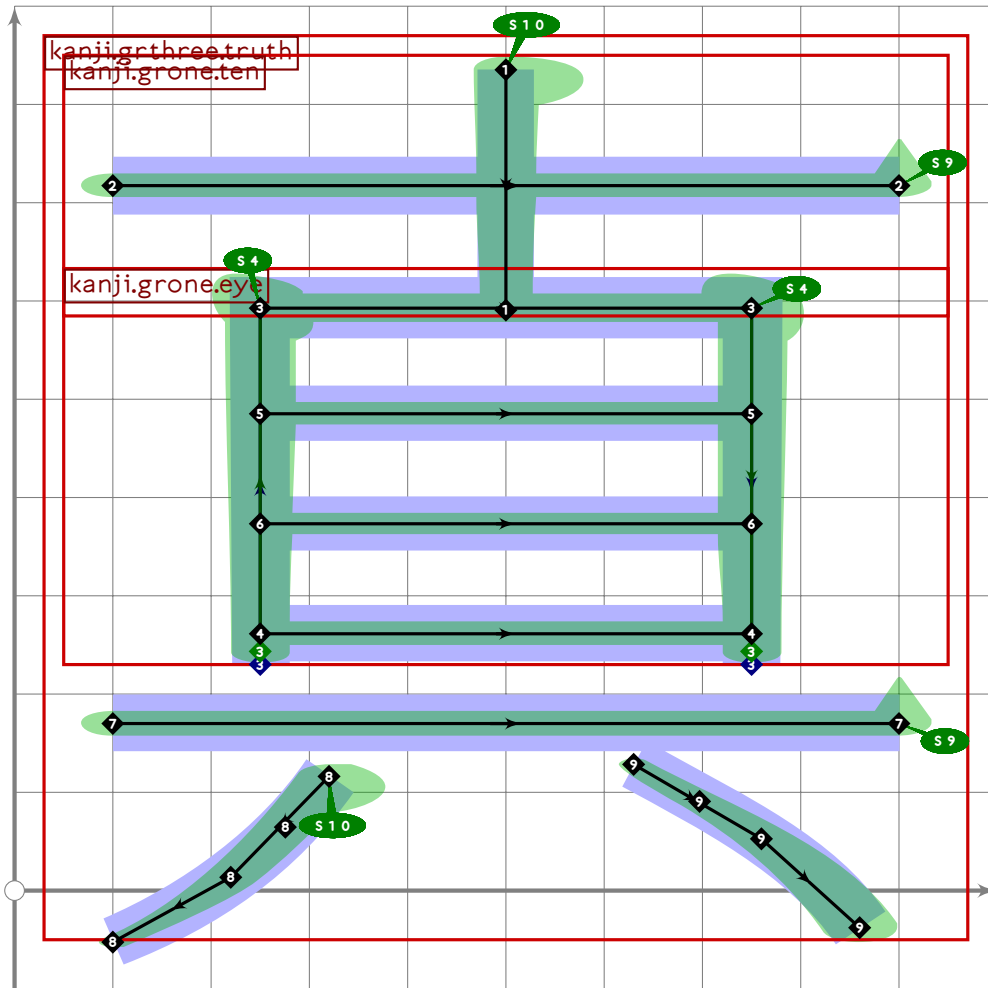
```



```

72
73 vardef kanji.grthree.short =
74   push_pbox_toexpand("kanji.grthree.short");
75   build_kanji.level(build_kanji.lr(550;20)
76     (kanji.leftrad.arrow)
77     (tsu_xform(identity shifted (0,-20))(kanji.grthree.bean)));
78   expand_pbox;
79 enddef;

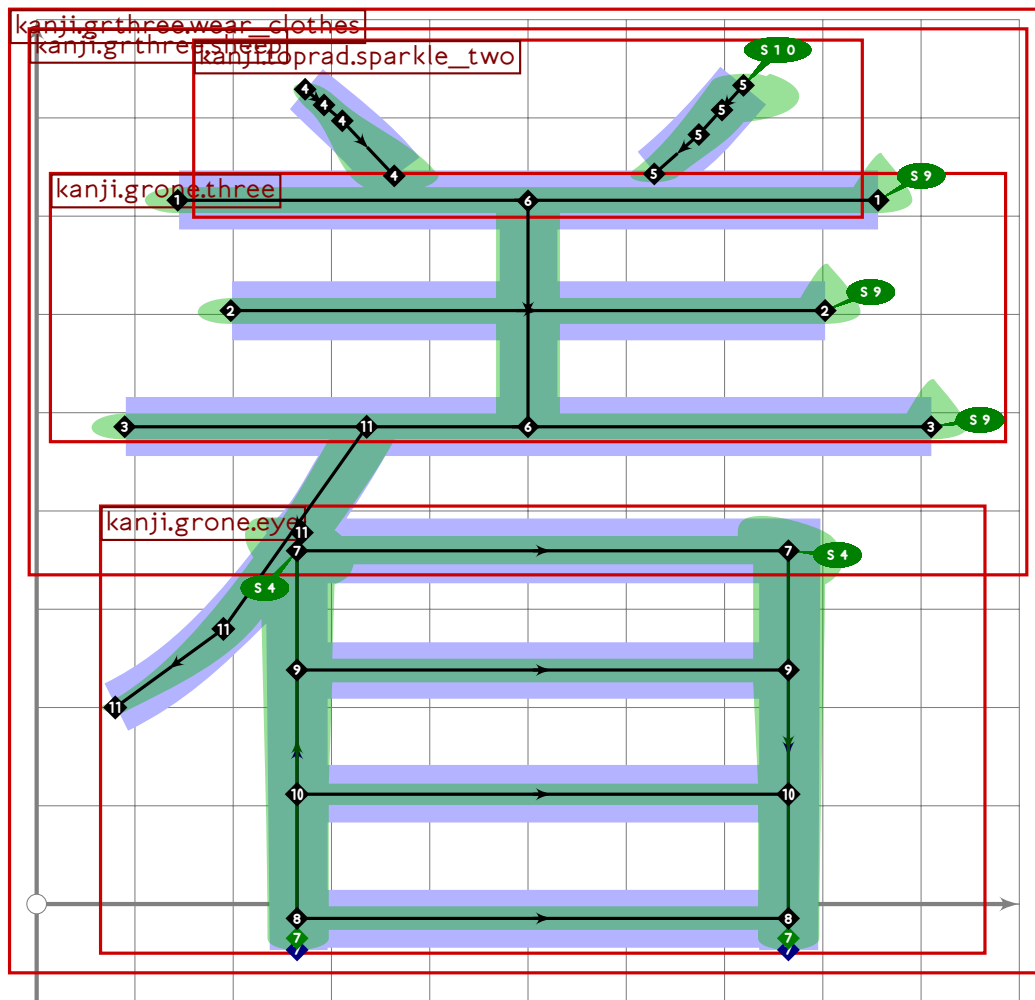
```



```

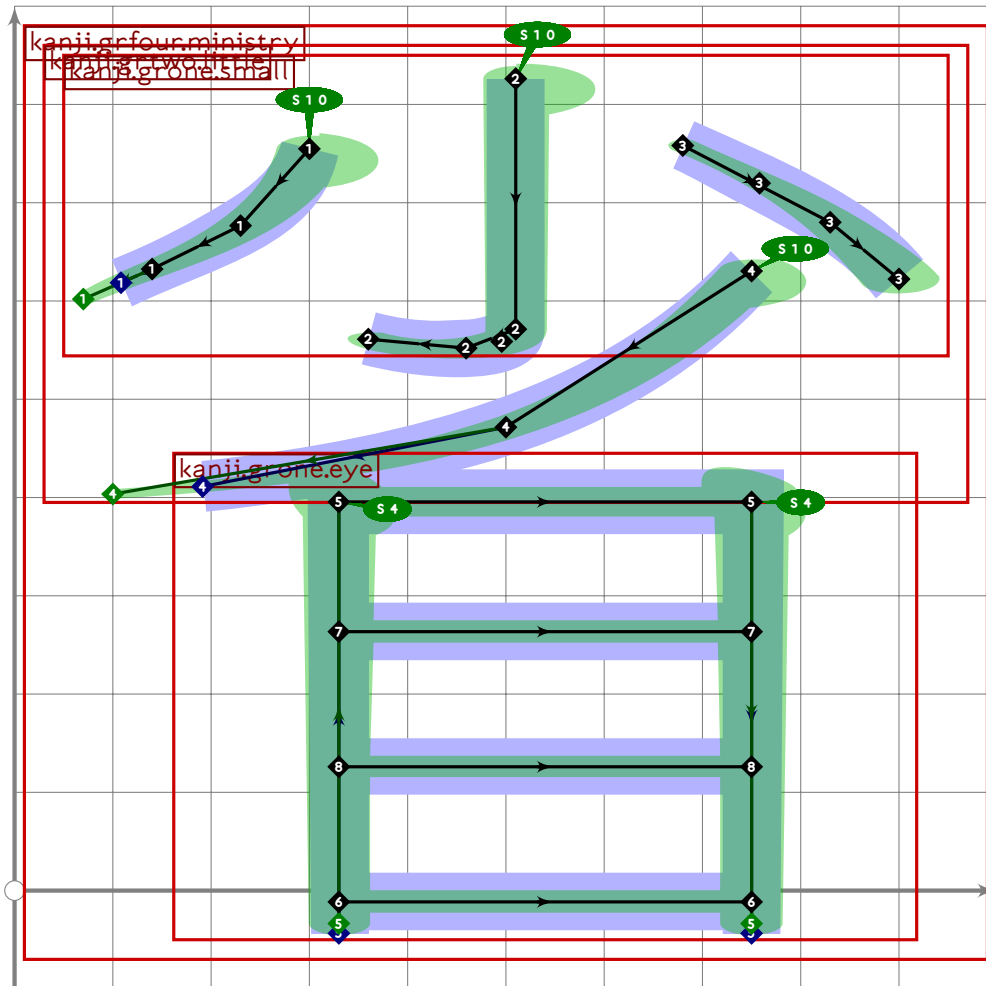
80
81 vardef kanji.grthree.truth =
82   push_pbox_toexpand("kanji.grthree.truth");
83   build_kanji.level(build_kanji.tb(200,-60)
84     (build_kanji.tb(500,70)
85       (kanji.grone.ten)
86       (kanji.grone.ey))
87   (push_stroke((100,850)-(900,850),(1.6,1.6)-(1.6,1.6));
88     set_boserif(0,1,9);
89     push_stroke((320,630)..tension 1.3..(220,210)..(100,-60),
90       (1.6,1.6)-(1.5,1.5)-(1,1));
91     set_boserif(0,0,10);
92     push_stroke((630,680)..tension 1.3..(760,370)..(860,0),
93       (1,1)-(1.5,1.5)-(1.8,1.8))));
94   expand_pbox;
95 enddef;

```



```

96
97 vardef kanji.grthree.wear_clothes =
98   push_pbox_toexpand("kanji.grthree.wear_clothes");
99   build_kanji.level(
100     build_kanji.tb(370,70)
101     (build_kanji.sscale(xscaled 1.08)
102       (kanji.grthree.sheep;
103         replace_stroke(0)((point 0 of oldp)
104           -(oldp intersectionpoint get_stroke(3))))))
105     (tsu_xform(identity shifted (15,0))(kanji.grthree.eye));
106   push_stroke(
107     (point 0.30 of get_stroke(7)).tension 1.2..(190,280)..(80,200),
108     (1.6,1.6)-(14,14)-(1,1));
109   expand_pbox;
110 enddef;
111
112
```

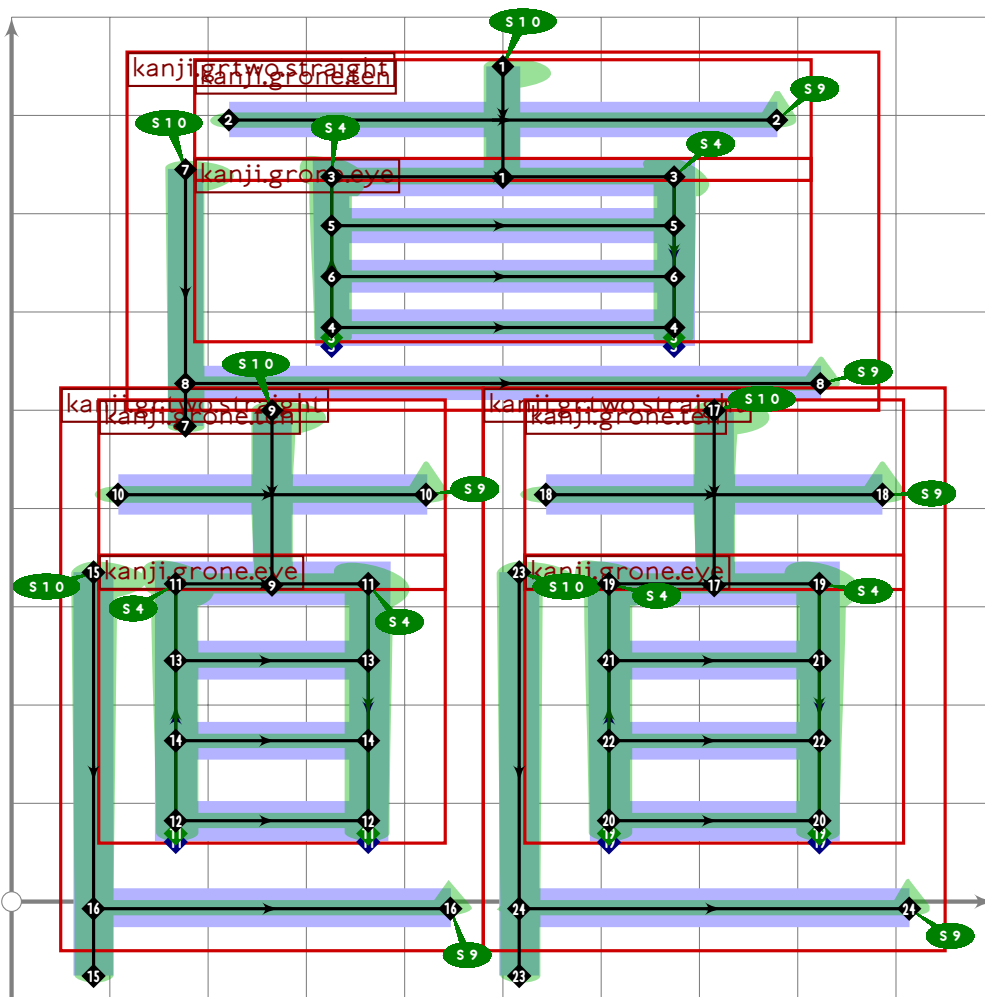


```

113
114 vardef kanji.grfour.ministry =
115   push_pbox_toexpand("kanji.grfour.ministry");
116   build_kanji.level(build_kanji.tb(420,50)
117     (kanji.grtwo.little)
118     (build_kanji.sscale(xscaled 0.84 shifted (40,0))(kanji.grone.eye)));
119   expand_pbox;
120 enddef;
121
122
123
124 vardef kanji.leftrad.arrow =
125   push_pbox_toexpand("kanji.leftrad.arrow");
126   kanji.grtwo.arrow;
127   replace_strokep(0)((point 1.6 of get_strokep(-1)).(690,200)..(850,80));
128   replace_strokeq(0)((0.9,0.9)-(1.5,1.5)-(1.8,1.8));
129   expand_pbox;
130 enddef;
131
132
133

```

134 % sei/kaeri "ministry"	
135 begintsuglyph("uni7701";1);	[see page 2352]
136 kanji.grfour.ministry;	
137 tsu_render;	
138 endtsuglyph;	
139	
140 % ken/ka "prefecture"	
141 begintsuglyph("uni770C";12);	[see page 2348]
142 kanji.grthree.prefecture;	
143 tsu_render;	
144 endtsuglyph;	
145	
146 % shin/ma "truth"	
147 begintsuglyph("uni771F";31);	[see page 2350]
148 kanji.grthree.truth;	
149 tsu_render;	
150 endtsuglyph;	
151	
152 % chaku/ki/tsu "wear clothes"	
153 begintsuglyph("uni7740";64);	[see page 2351]
154 kanji.grthree.wear_clothes;	
155 tsu_render;	
156 endtsuglyph;	
157	



```

158 % extra: "luxuriance"
159 begintsuglyph("uni77D7";215);
160   build_kanji.tricuster(0.85)
161     (build_kanji.thickness(0.7)(kanji.grtwo.straight))
162     (build_kanji.thickness(0.8)(kanji.grtwo.straight))
163     (build_kanji.thickness(0.8)(kanji.grtwo.straight));
164   tsu_render;
165 endtsuglyph;
166
167 % shi/ya "arrow"
168 begintsuglyph("uni77E2";226);
169   kanji.grtwo.arrow;
170   tsu_render;
171 endtsuglyph;
172
173 % chi/shi "to know"
174 begintsuglyph("uni77E5";229);
175   kanji.grtwo.know;
176   tsu_render;
177 endtsuglyph;
178

```

[see page 478]

[see page 2347]

```
179 % tan/mijika "short"
180 begintsuglyph("uni77ED";237);
181   kanji.grthree.short;
182   tsu_render;
183 endtsuglyph;
184
185 % seki/ishi "stone"
186 begintsuglyph("uni77F3";243);
187   kanji.grone.stone;
188   tsu_render;
189 endtsuglyph;
190
191 _____
192
193 endfont;
194
195 _____
```

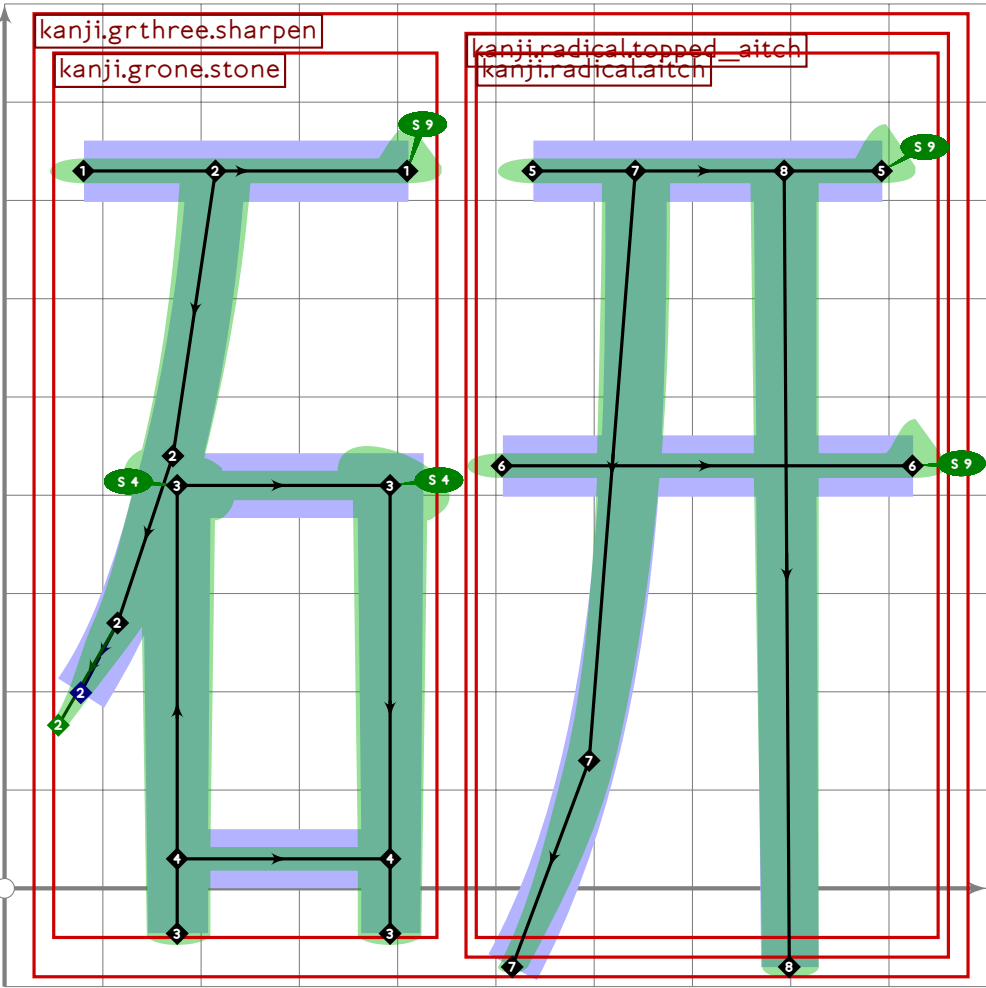
[see page 2349]

[see page 466]

tsuku-78.mp

78

```
1 %
2 % Unicode page 78 (Kanji) for Tsukurimashou
3 % Copyright (C) 2012 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 radical.mp;
39
40 do_late_includes;
41
42 -----
```



```

44 vardef kanji.grthree.sharpen =
45   push_pbox_toexpand("kanji.grthree.sharpen");
46   build_kanji.level(build_kanji.lr(460,-40)
47     (kanji.grone.stone)
48     (kanji.radical.topped_aitch));
49   expand_pbox;
50 enddef;
51
52 _____
53
54 % ken/to "sharpen"
55 begintsuglyph("uni7814";20); [see page 2357]
56   kanji.grthree.sharpen;
57   tsu_render;
58 endtsuglyph;
59
60 _____
61
62 endfont;
63
64 _____

```

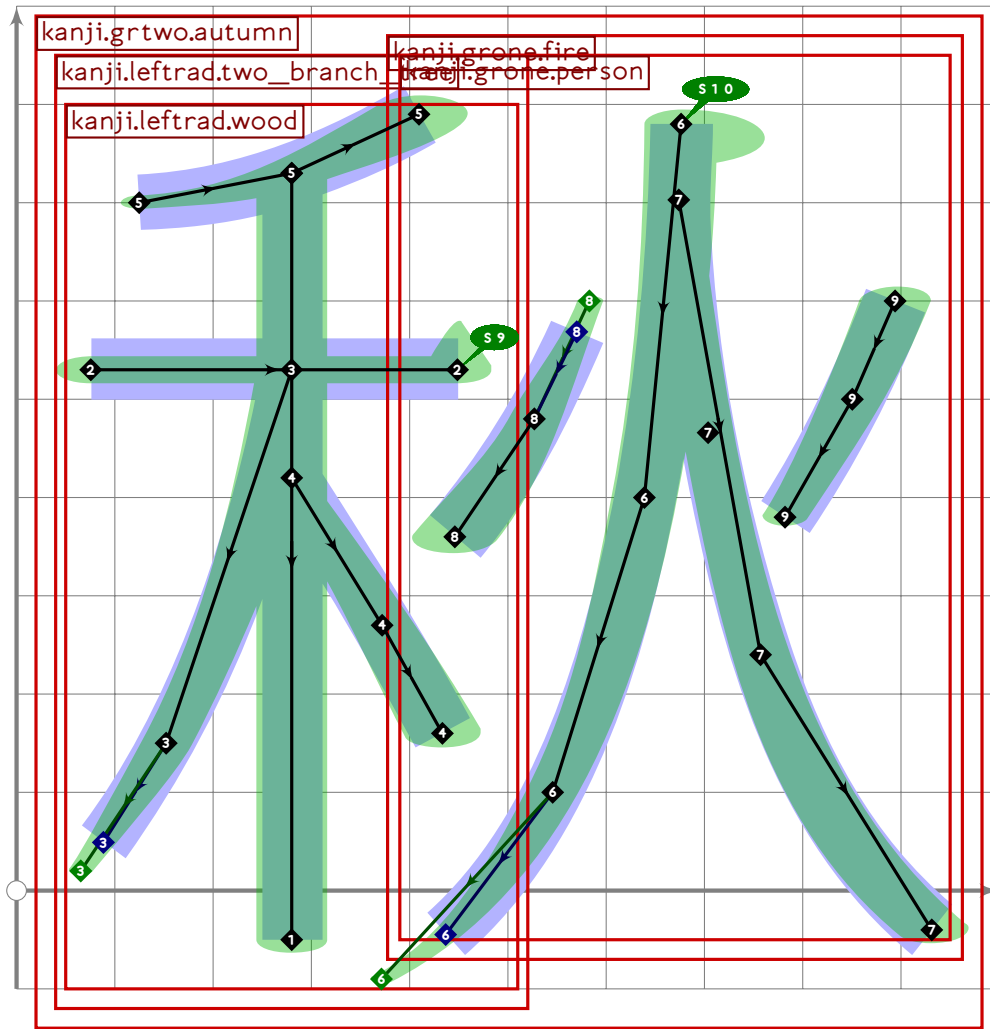
```
1 %
2 % Unicode page 79 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input 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
47 do_late_includes;
48
49 

---

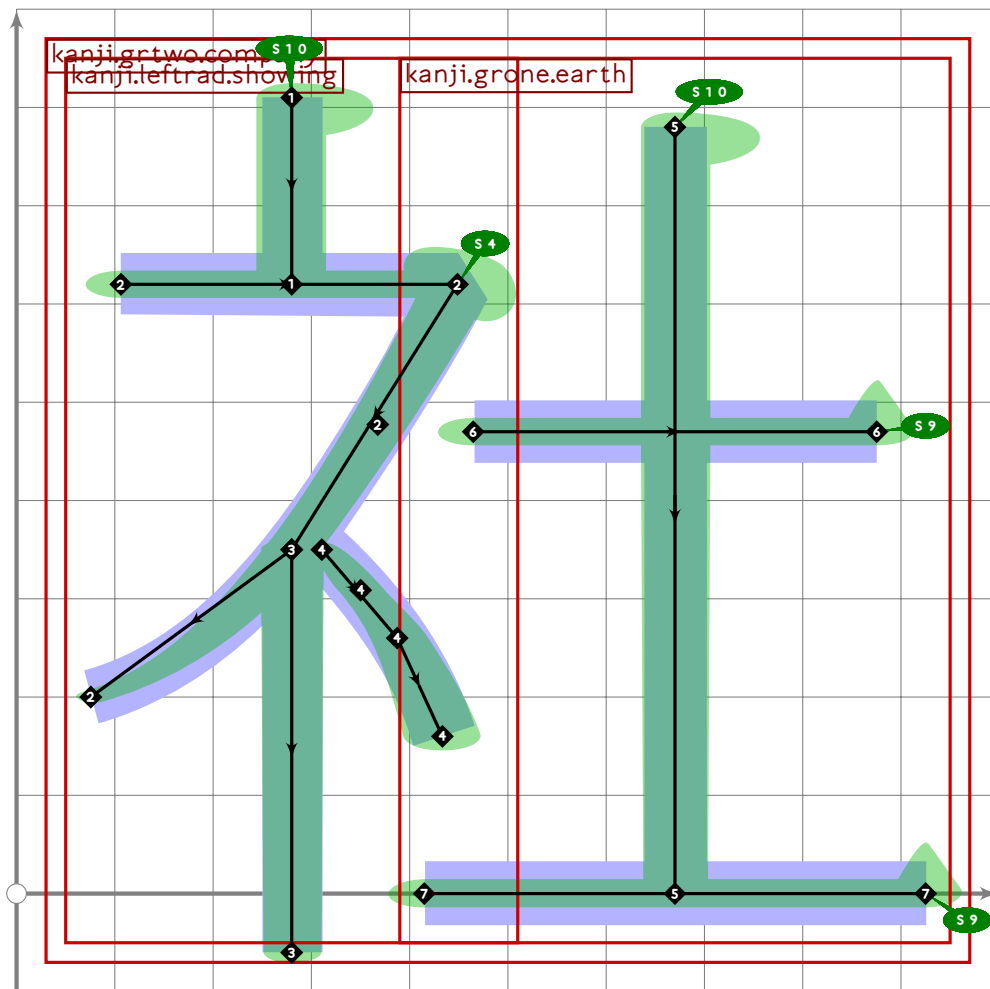

```



```

50
51 vardef kanji.grtwo.autumn =
52   push_pbox_toexpand("kanji.grtwo.autumn");
53   build_kanji.lr(450,120)
54     (kanji.leftrad.two_branch_tree)
55     (kanji.grone.fire);
56   expand_pbox;
57 enddef;

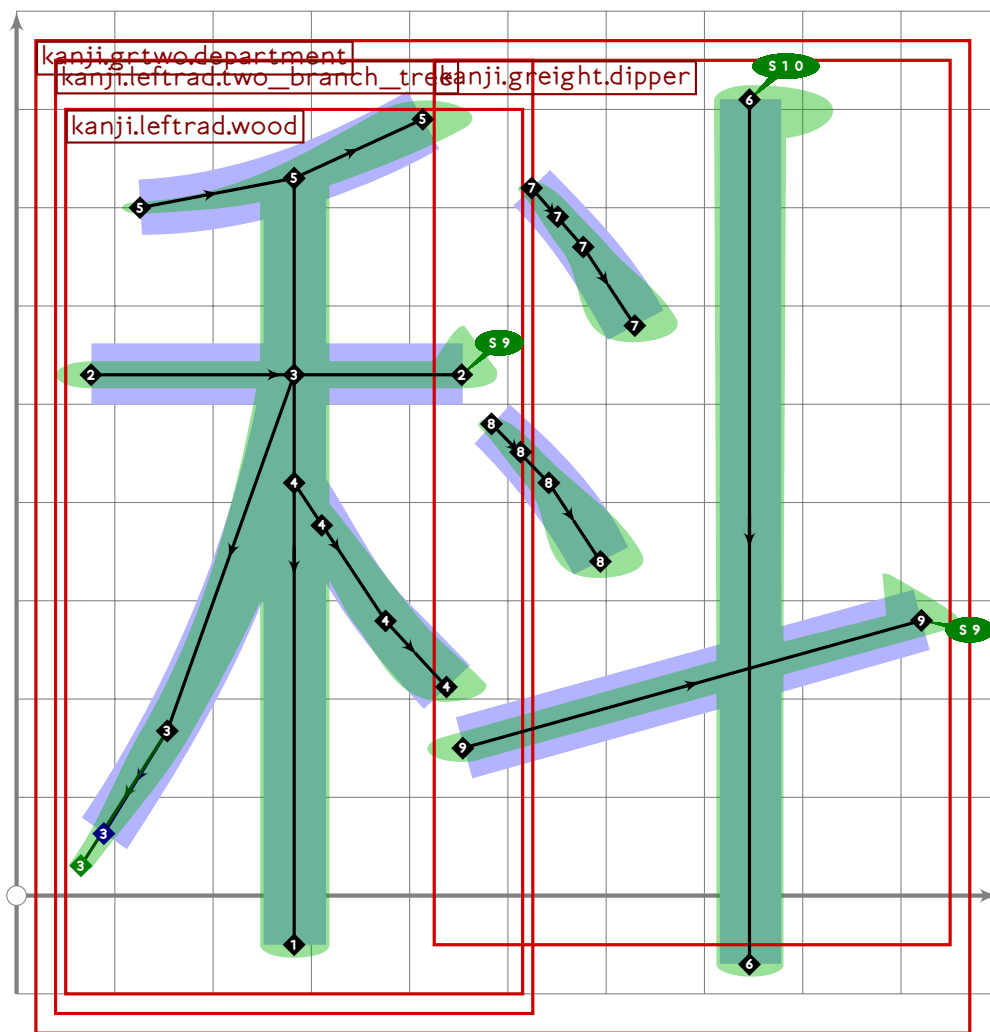
```



```

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

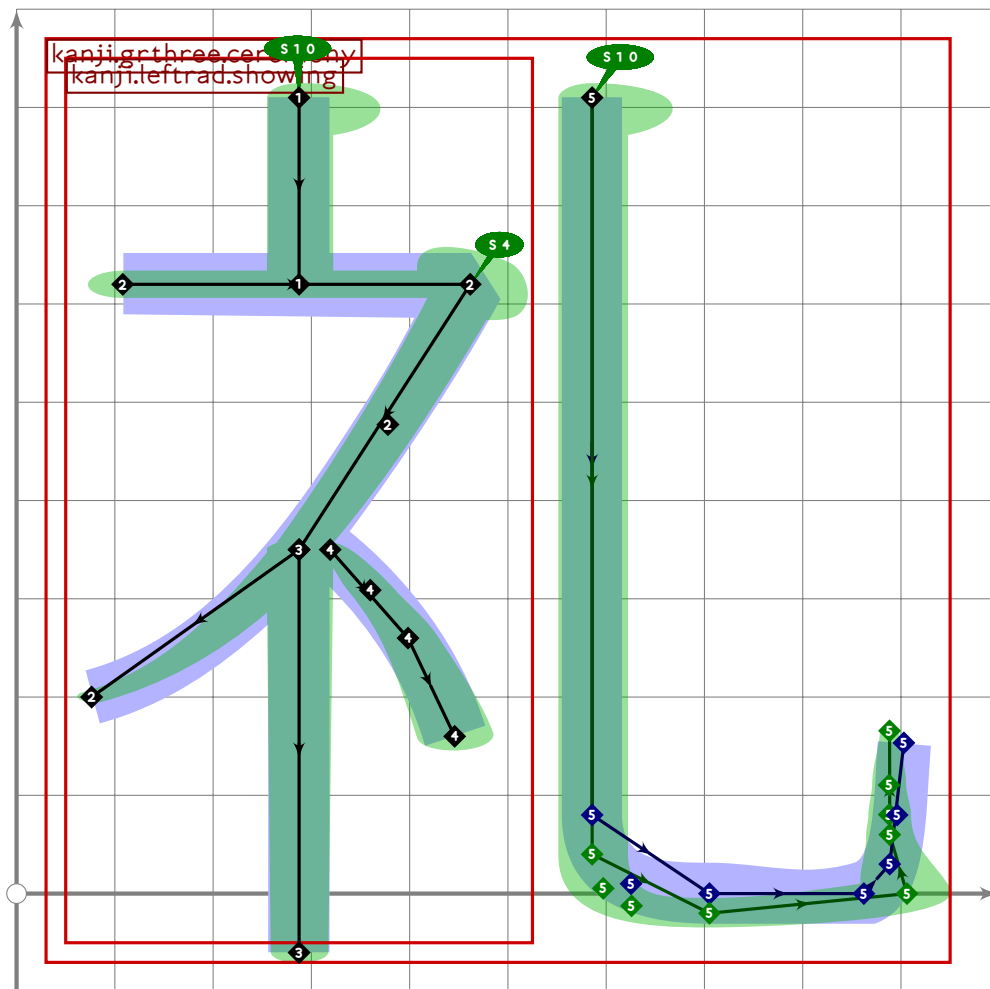
```



```

66
67 vardef kanji.grtwo.department =
68   push_pbox_toexpand("kanji.grtwo.department");
69   build_kanji.lr(470,90)
70     (build_kanji.lift_skirt(300,140)
71       (kanji.leftrad.two_branch_tree);
72     replace_stroke(-4)((point 0 of oldp)..(xpart point 1 of oldp,-50)))
73     (kanji.greight.dipper);
74   expand_pbox;
75 enddef;
76
77

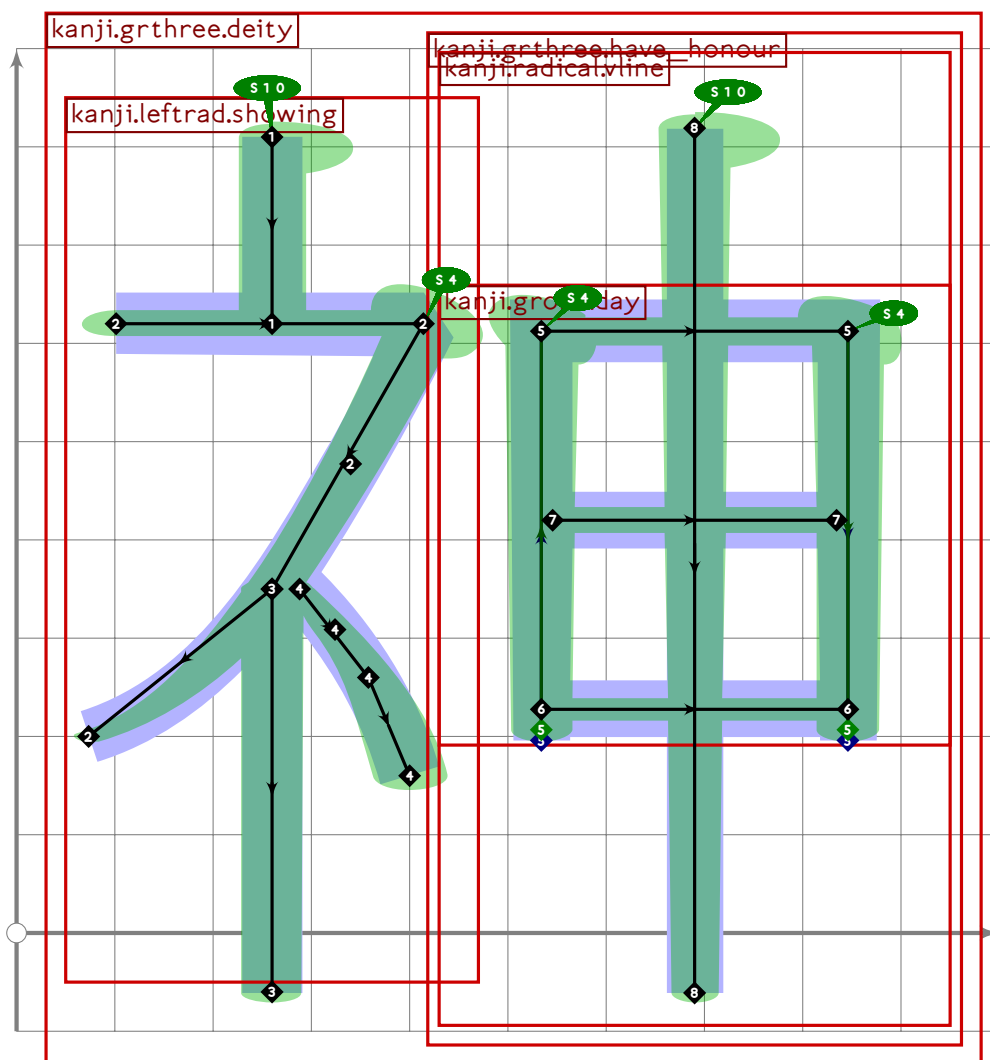
```



```

78
79 vardef kanji.grthree.ceremony =
80   push_pbox__toexpand("kanji.grthree.ceremony");
81   build_kanji.lr(540,-30)
82     (kanji.leftrad.showing)
83     (push_stroke((120,810),(1.6,1.6));
84       set_boserif(0,0,10);
85       build_kanji.add_ltail(0));
86   expand_pbox;
87 enddef;

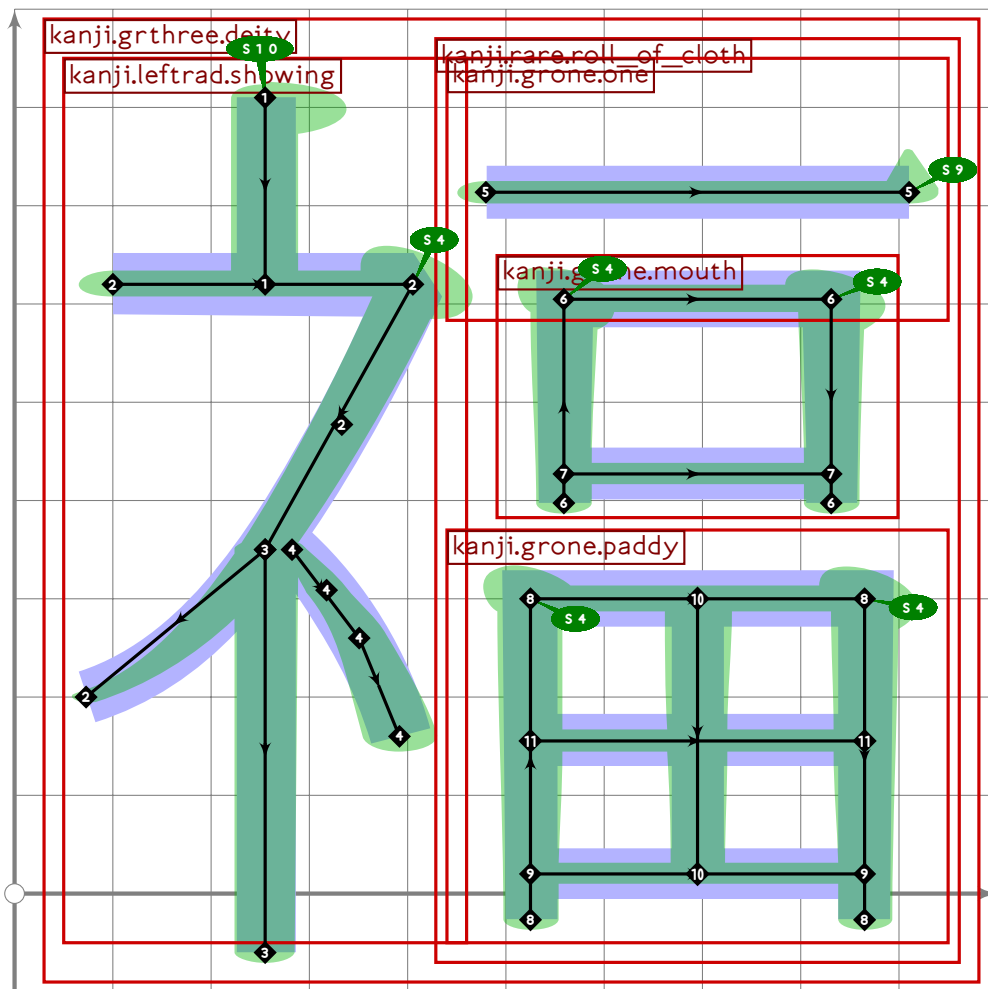
```



```

88
89 vardef kanji.grthree.deity =
90   push_pbox_toexpand("kanji.grthree.deity");
91   build_kanji.lr(450,40)
92     (kanji.leftrad.showing)
93     (kanji.grthree.have_honour);
94   expand_pbox;
95 enddef;

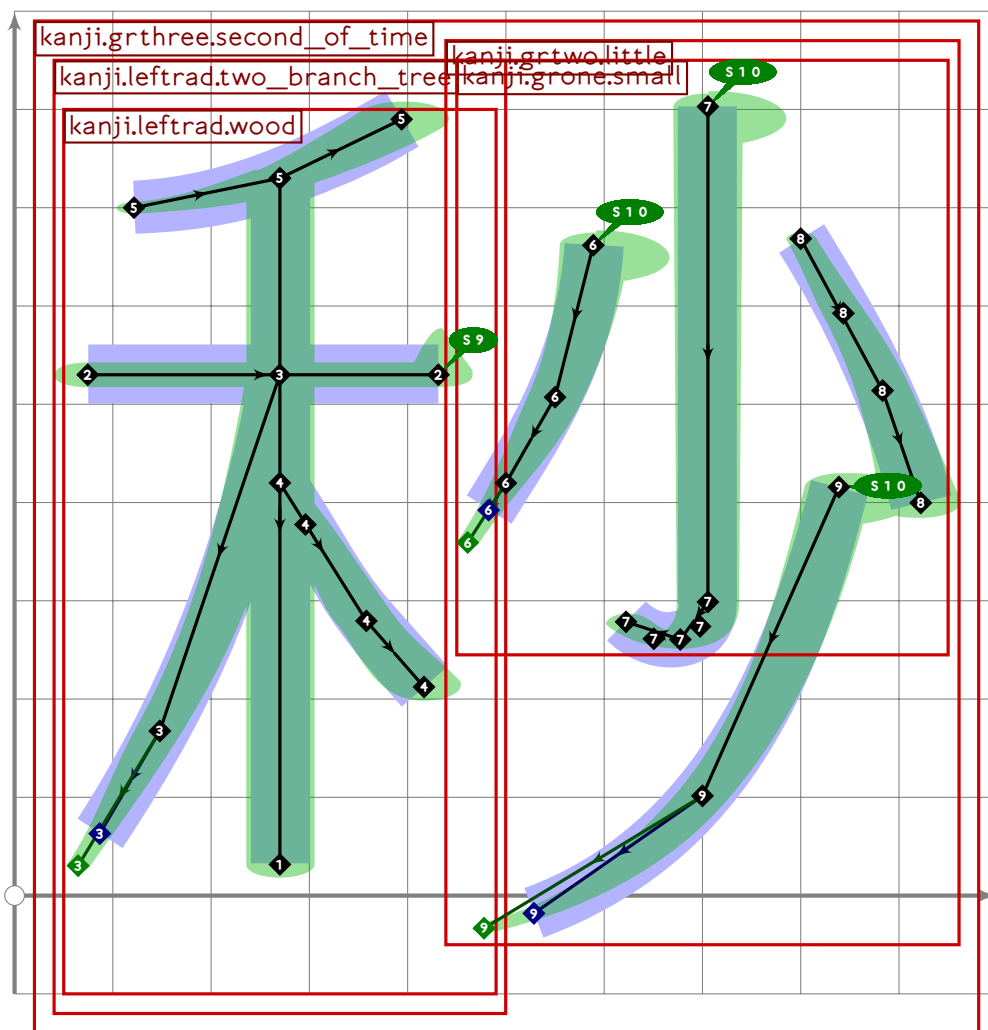
```



```

96
97 vardef kanji.grthree.good_luck =
98   push_pbox_toexpand("kanji.grthree.deity");
99   build_kanji.lr(450,20)
100   (kanji.leftrad.showing)
101   (kanji.rare.roll_of_cloth);
102   expand_pbox;
103 enddef;

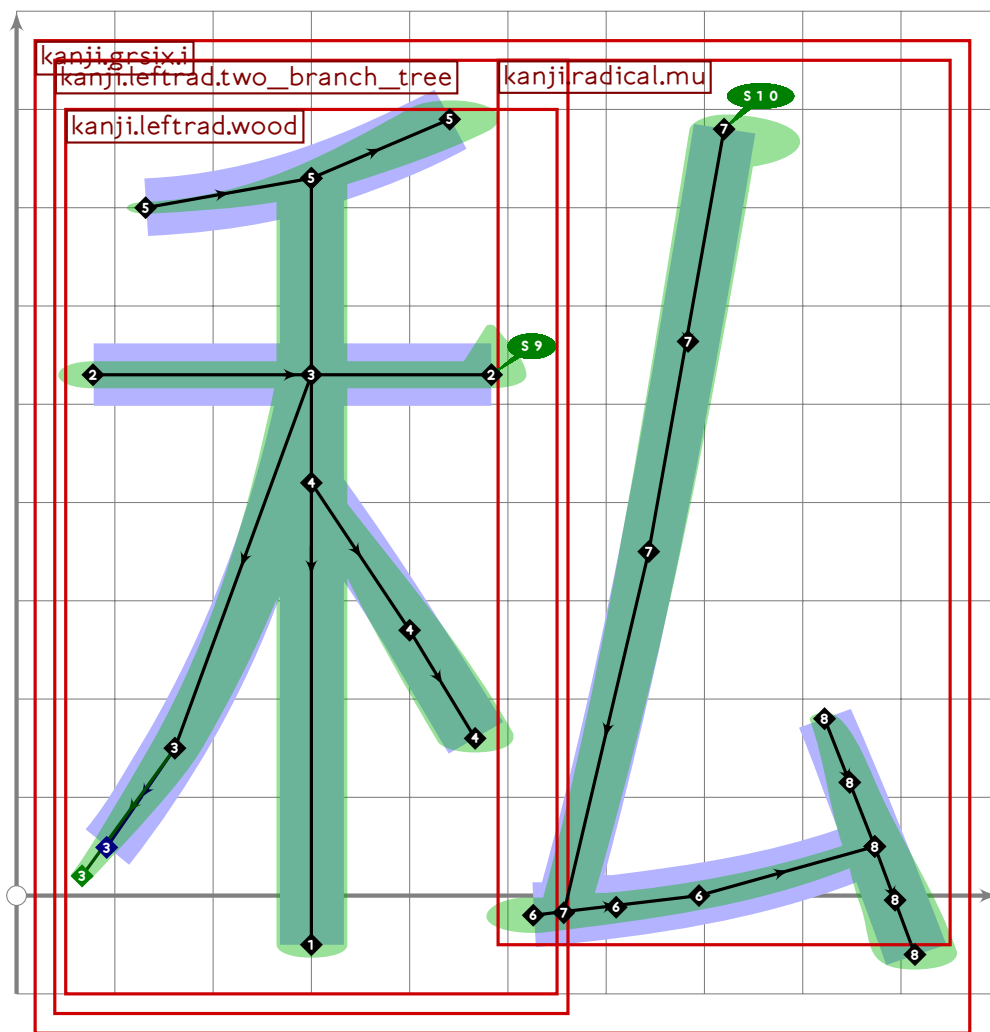
```



```

104
105 vardef kanji.grthree.second_of_time =
106   push_pbox_toexpand("kanji.grthree.second_of_time");
107   build_kanji.level(build_kanji.lr(470,40)
108     (build_kanji.lift_skirt(300,140)
109       (kanji.leftrad.two_branch_tree))
110     (kanji.grtwo.little));
111   expand_pbox;
112 enddef;
113
114

```



```

115
116 vardef kanji.grsix.i =
117   push_pbox_toexpand("kanji.grsix.i");
118   build_kanji.lr(520,60)
119     (kanji.leftrad.two_branch_tree)
120     (kanji.radical.mu);
121   expand_pbox;
122 enddef;
123
124
125
126 % ji/shime "show" (also older radical form)
127 begintsuglyph("uni793A";58);
128   kanji.grfive.showing;
129   tsu_render;
130 endtsuglyph;
131
132 % "showing" radical (simple, more popular form)
133 begintsuglyph("uni793B";59);
134   kanji.leftrad.showing;

```

[see page 627]

[see page 652]

135 tsu_render;
 136 endtsuglyph;
 137
 138 % rei "ceremony"
 139 begintsuglyph("uni793C";60); [see page 2362]
 140 kanji.grthree.ceremony;
 141 tsu_render;
 142 endtsuglyph;
 143
 144 % sha/yashiro "company"
 145 begintsuglyph("uni793E";62); [see page 2360]
 146 kanji.grtwo.company;
 147 tsu_render;
 148 endtsuglyph;
 149
 150 % shin/kami "deity"
 151 begintsuglyph("uni795E";94); [see page 2363]
 152 kanji.grthree.deity;
 153 tsu_render;
 154 endtsuglyph;
 155
 156 % sei/matsuri "festival"
 157 begintsuglyph("uni796D";109); [see page 564]
 158 kanji.grthree.festival;
 159 tsu_render;
 160 endtsuglyph;
 161
 162 % fuku/toshi "good luck"
 163 begintsuglyph("uni798F";143); [see page 2364]
 164 kanji.grthree.good_luck;
 165 tsu_render;
 166 endtsuglyph;
 167
 168 % ka/ine little meaning by itself, called "two-branch tree" as a radical
 169 begintsuglyph("uni79BE";190); [see page 758]
 170 kanji.grnine.two_branch_tree;
 171 tsu_render;
 172 endtsuglyph;
 173
 174 % shi/watashi "first person pronoun"
 175 begintsuglyph("uni79C1";193); [see page 2366]
 176 kanji.grsix.i;
 177 tsu_render;
 178 endtsuglyph;
 179
 180 % shuu/aki "autumn"
 181 begintsuglyph("uni79CB";203); [see page 2359]
 182 kanji.grtwo.autumn;

```
183   tsu_render;
184 endtsuglyph;
185
186 % ka "department"
187 begintsuglyph("uni79D1";209); [see page 2361]
188   kanji.grtwo.department;
189   tsu_render;
190 endtsuglyph;
191
192 % byou "second of time"
193 begintsuglyph("uni79D2";210); [see page 2365]
194   kanji.grthree.second_of_time;
195   tsu_render;
196 endtsuglyph;
197
198 _____
199
200 endfont;
201
202 _____
```

tsuku-7a.mp

7A

```
1 %  
2 % Unicode page 7A (Kanji) for Tsukurimashou  
3 % Copyright (C) 2011, 2012 Matthew Skala  
4 %  
5-29 [Standard copyright notice]  
30  
31 

---

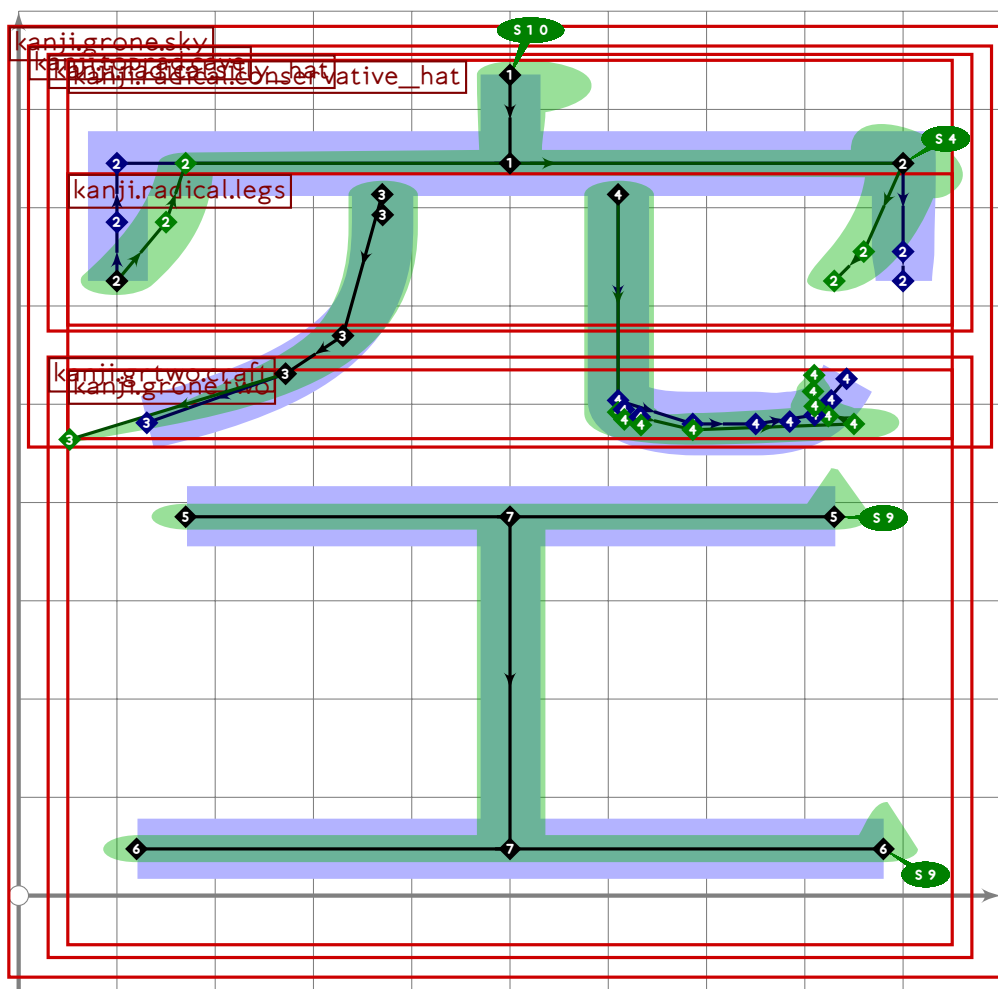
  
32  
33 beginfont  
34  
35 % AUTODEPS  
36 input buildkanji.mp;  
37 input gradefive.mp;  
38 input gradeone.mp;  
39 input gradethree.mp;  
40 input gradetwo.mp;  
41 input leftrad.mp;  
42 input radical.mp;  
43 input toprad.mp;  
44  
45 do_late_includes;  
46  
47 

---


```

U+7A7A
tsuku.uni7A7A

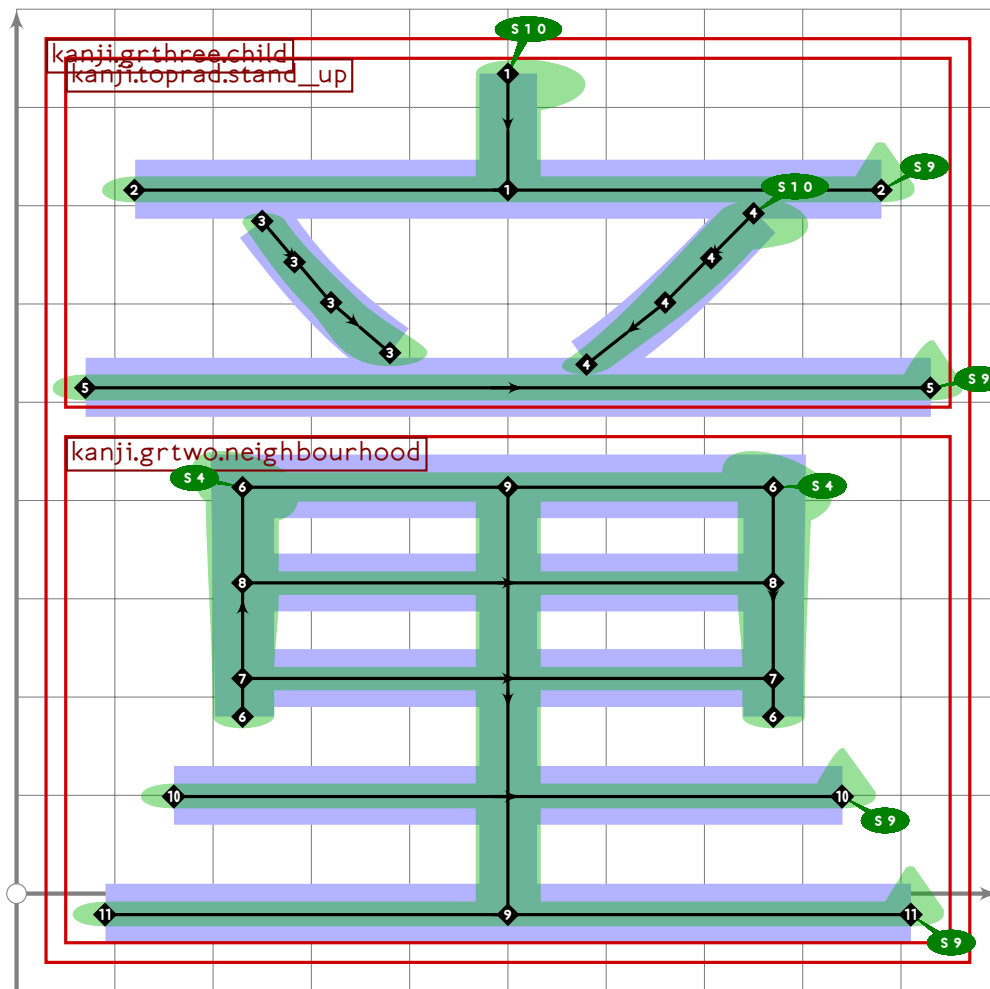
7A



```

48
49 vardef kanji.grone.sky =
50   push_pbox_toexpand("kanji.grone.sky");
51   build_kanji.level(build_kanji.tb(500,70)
52     (kanji.toprad.cave)
53     (kanji.grtwo.craft));
54   expand_pbox;
55 enddef;
56
57

```



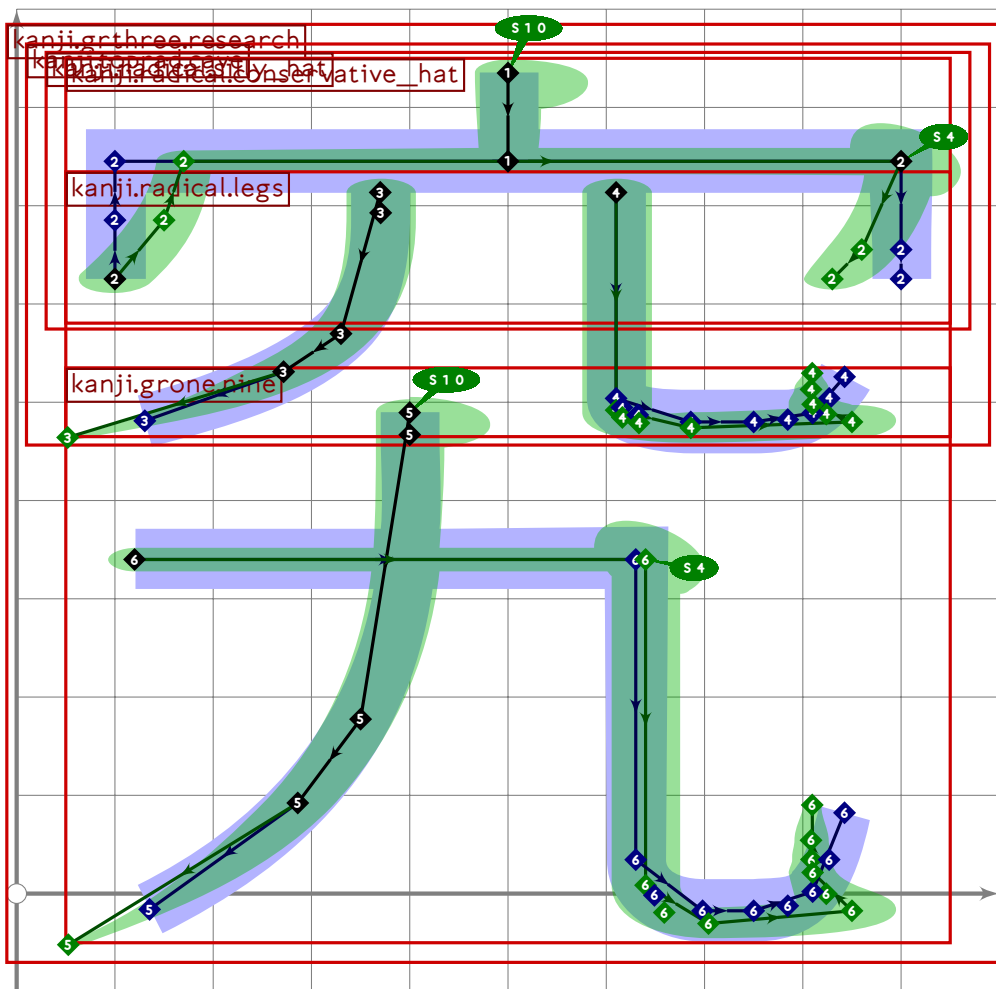
7A

```

58
59 vardef kanji.grthree.child =
60   push_pbox_toexpand("kanji.grthree.child");
61   build_kanji.level(build_kanji.tb(480;-30)
62     (kanji.toprad.stand_up)
63     (kanji.grtwo.neighbourhood ));
64   expand_pbox;
65 enddef;

```

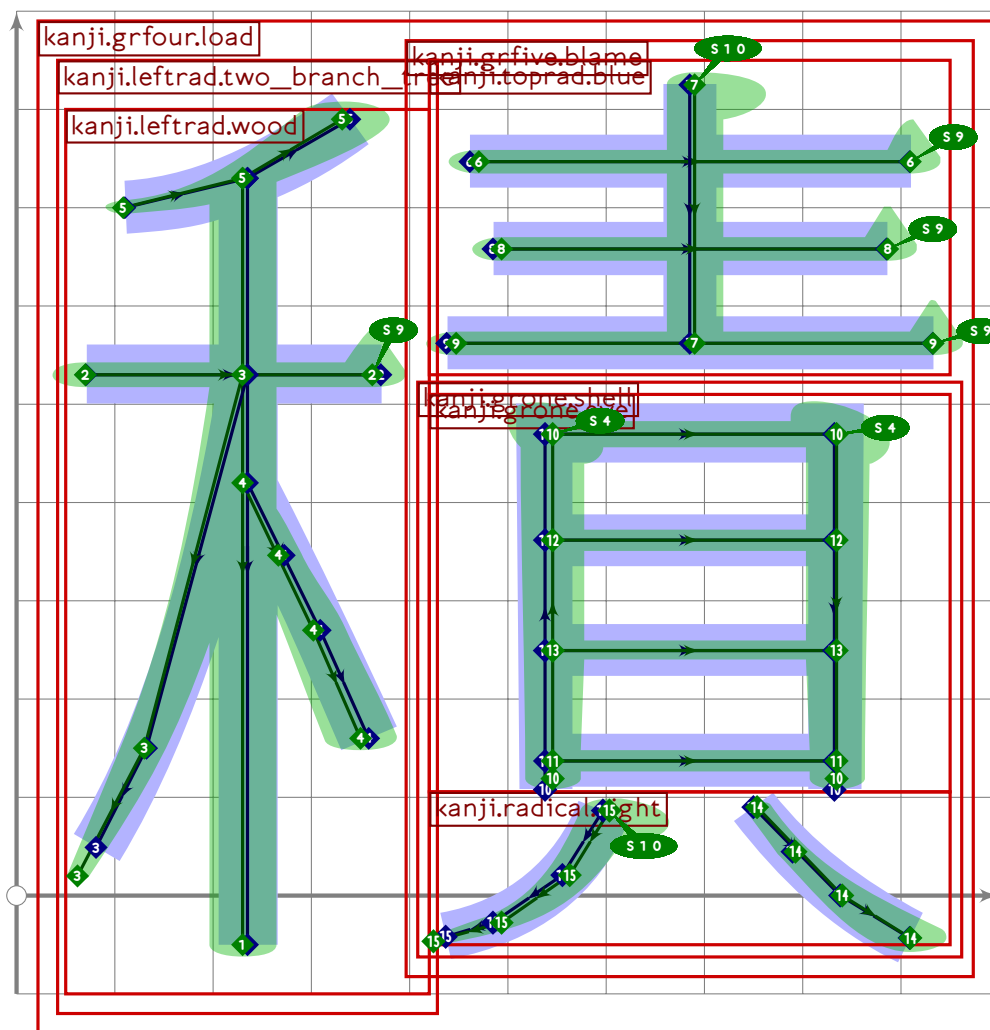
7A



```

66
67 vardef kanji.grthree.research =
68   push_pbox_toexpand("kanji.grthree.research");
69   build_kanji.level(build_kanji.tb(500,70)
70     (kanji.toprad.cave)
71     (kanji.grone.nine));
72   expand_pbox;
73 enddef;
74
75

```

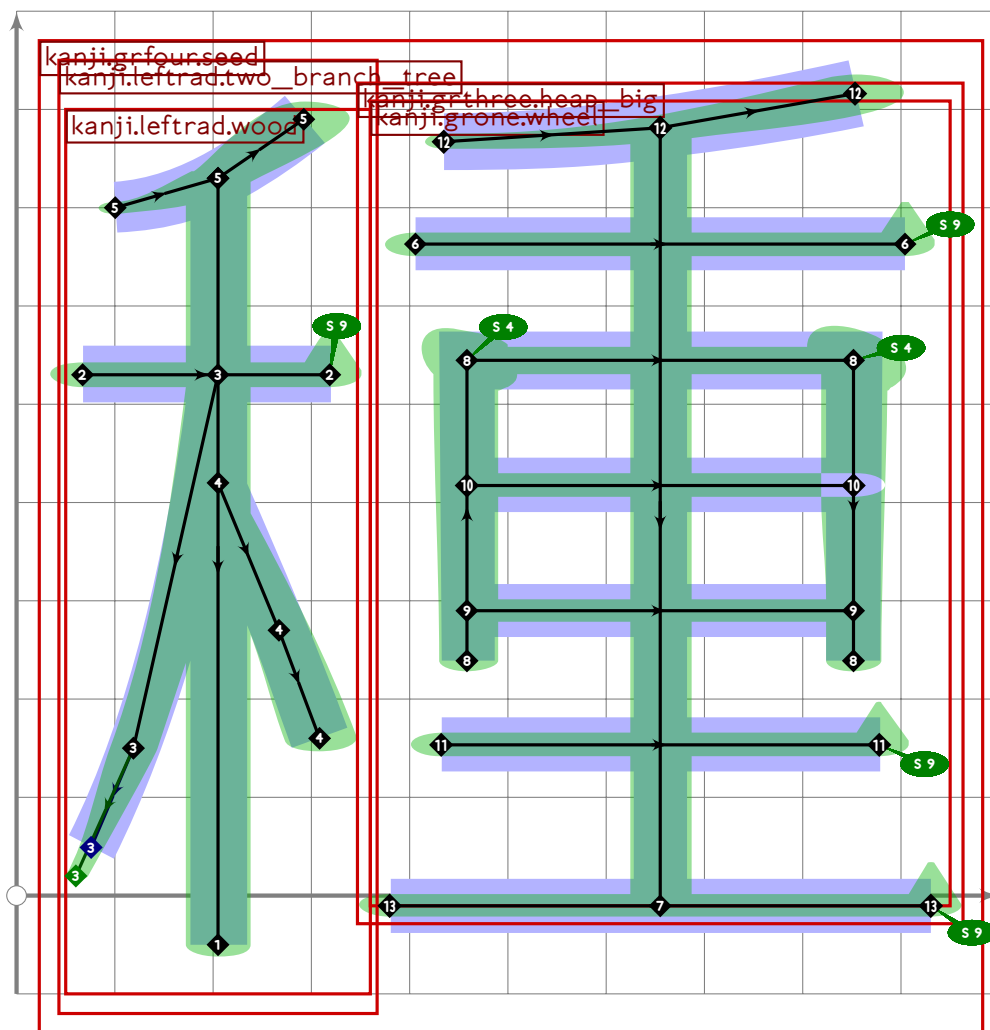


7A

```

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

```



```

84
85 vardef kanji.grfour.seed =
86   push_pbox_toexpand("kanji.grfour.seed");
87   build_kanji.lr(360,0)
88     (kanji.leftrad.two_branch_tree)
89     (build_kanji.sscale(yscaled 0.91)(kanji.grthree.heap_big));
90   expand_pbox;
91 enddef;
92
93
94
95 % shu/tane "seed"
96 begintsuglyph("uni7A2E";46);
97   kanji.grfour.seed;
98   tsu_render;
99 endtsuglyph;
100
101 % seki/tsu "load"
102 begintsuglyph("uni7A4D";77);
103   kanji.grfour.load;

```

[see page 2374]

[see page 2373]

```

104  tsu_render;
105 endtsuglyph;
106
107 % kyu/kiwa "research"
108 begintsuglyph("uni7A76";118); [see page 2372]
109  kanji.grthree.research;
110  tsu_render;
111 endtsuglyph;
112
113 % kara/sora "sky"
114 begintsuglyph("uni7A7A";122); [see page 2370]
115  kanji.grone.sky;
116  tsu_render;
117 endtsuglyph;
118
119 % ta "stand up"
120 begintsuglyph("uni7ACB";203); [see page 465]
121  kanji.grone.stand_up;
122  tsu_render;
123 endtsuglyph;
124
125 % shou/aki "chapter"
126 begintsuglyph("uni7AE0";224); [see page 557]
127  kanji.grthree.chapter;
128  tsu_render;
129 endtsuglyph;
130
131 % dou/warabe "child"
132 begintsuglyph("uni7AE5";229); [see page 2371]
133  kanji.grthree.child;
134  tsu_render;
135 endtsuglyph;
136
137 % chiku/take "bamboo"
138 begintsuglyph("uni7AF9";249); [see page 413]
139  kanji.grone.bamboo;
140  tsu_render;
141 endtsuglyph;
142
143 _____
144
145 endfont;
146
147 _____

```

tsuku-7b.mp

7B

```
1 %  
2 % Unicode page 7B (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 gradefour.mp;
```

```
38 input gradeone.mp;
```

```
39 input gradesix.mp;
```

```
40 input gradethree.mp;
```

```
41 input gradetwo.mp;
```

```
42 input leftrad.mp;
```

```
43 input radical.mp;
```

```
44 input rare.mp;
```

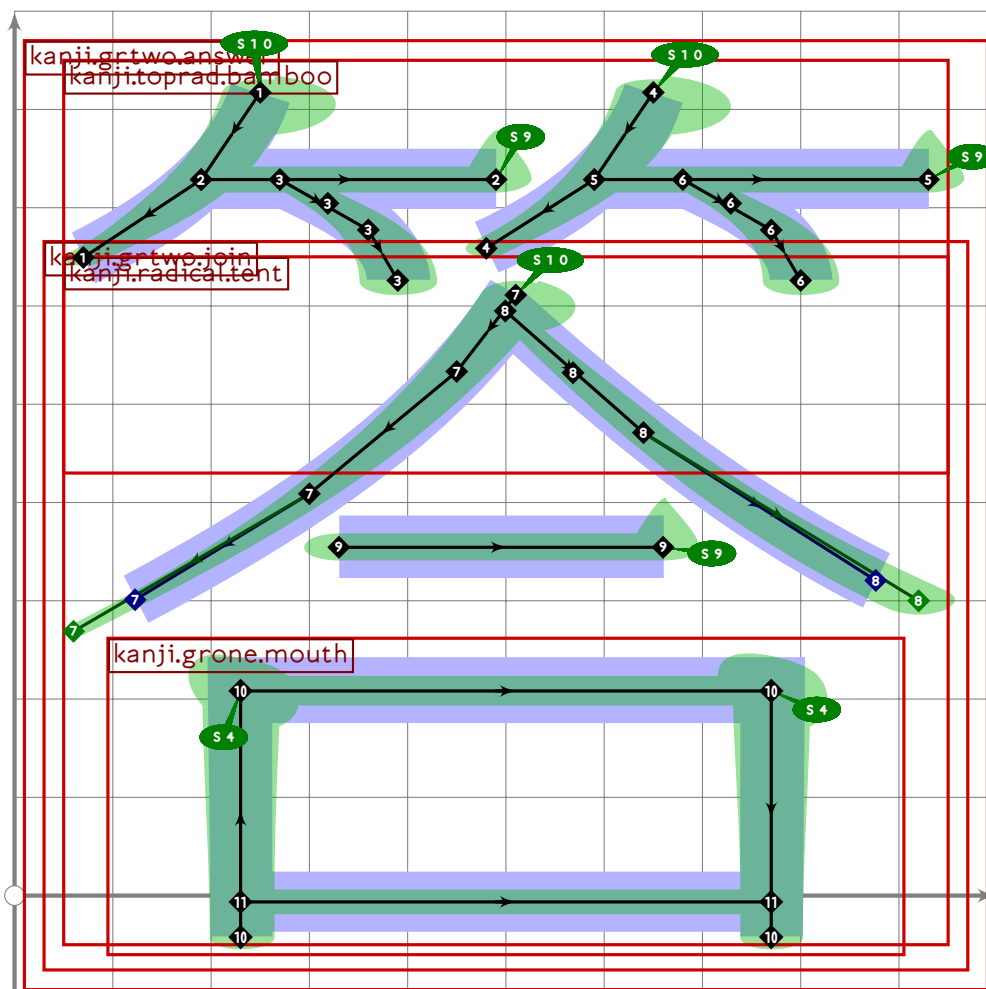
```
45 input toprad.mp;
```

```
46
```

```
47 do_late_includes;
```

```
48
```

```
49
```

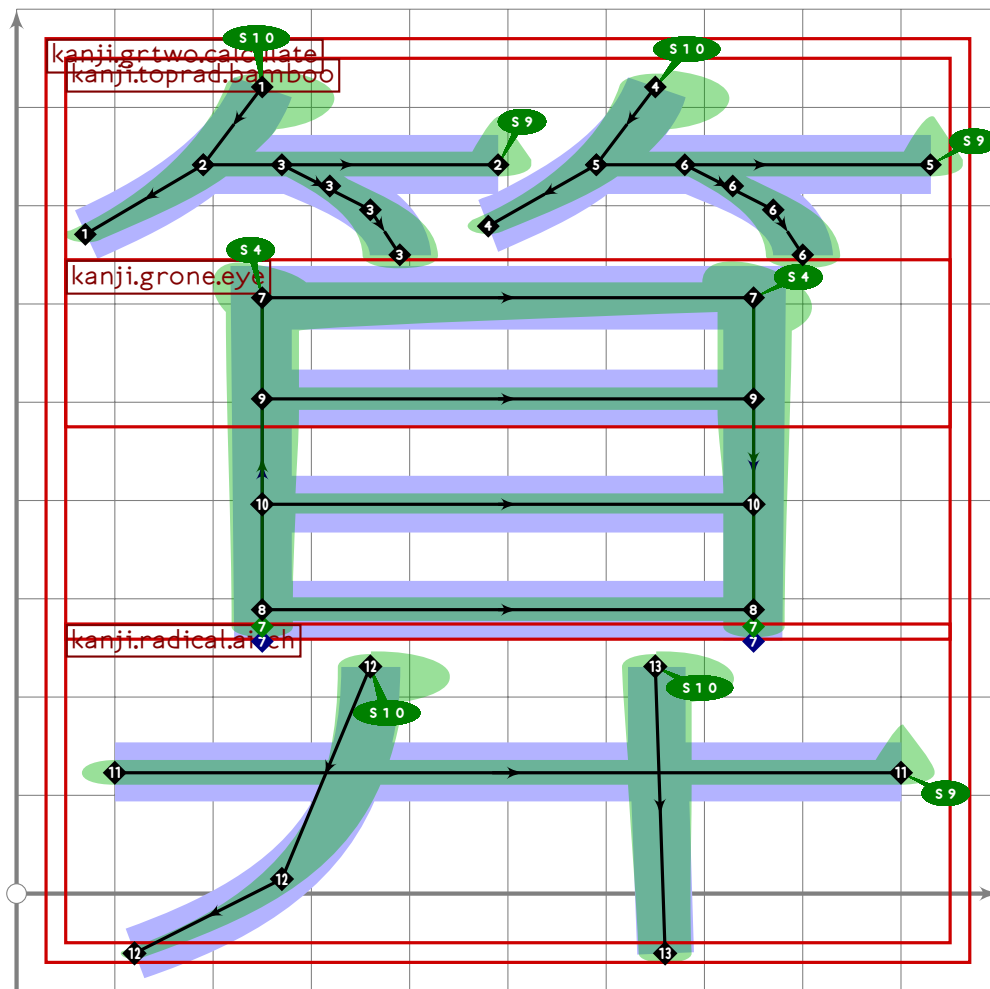


7B

```

50
51 vardef kanji.grtwo.answer =
52   push_pbox_toexpand("kanji.grtwo.answer");
53   build_kanji.level(build_kanji.tb(540,220)
54     (kanji.toprad.bamboo)
55     (kanji.grtwo.join));
56   expand_pbox;
57 enddef;

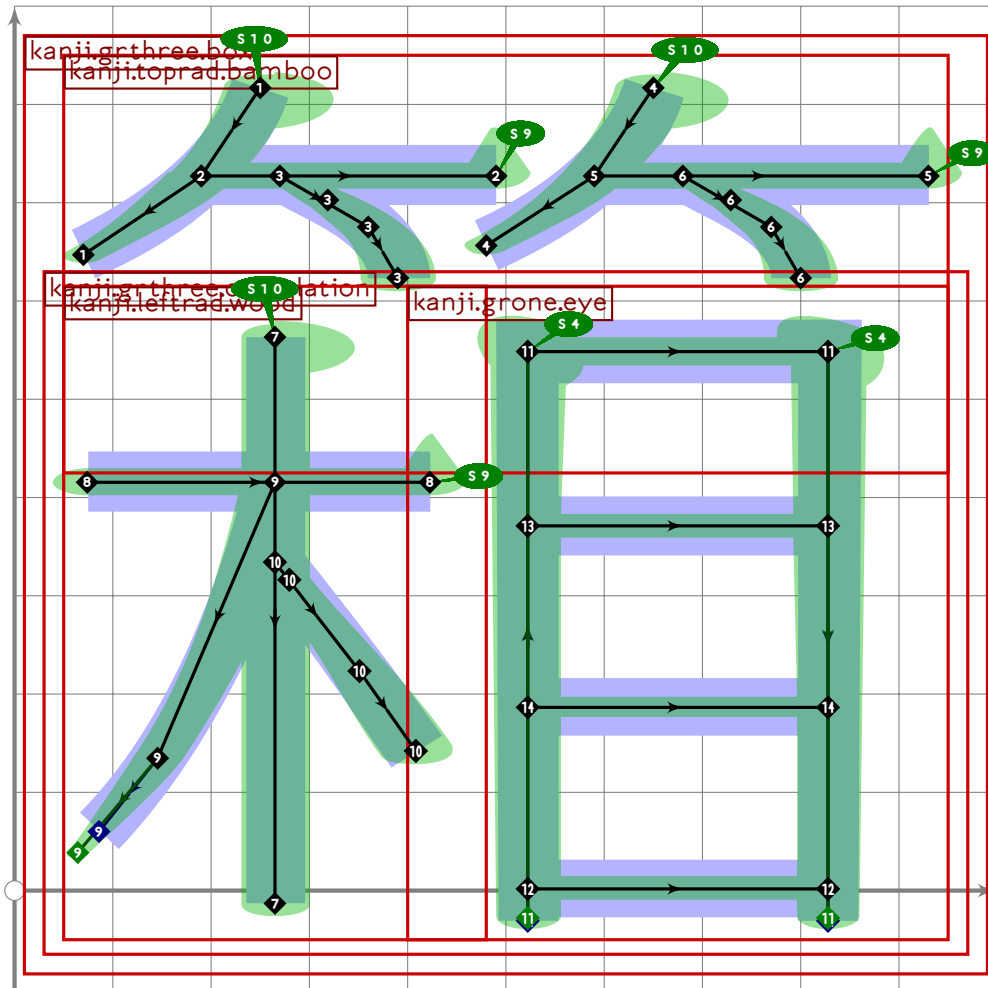
```



```

58
59 vardef kanji.grtwo.calculate =
60   push_pbox_toexpand("kanji.grtwo.calculate");
61   build_kanji.level(build_kanji.tb(560,170)
62     (kanji.toprad.bamboo)
63     (build_kanji.tb(360,20)
64       (kanji.grone.eye)
65       (kanji.radical.aitch)));
66   expand_pbox;
67 enddef;
68
69

```

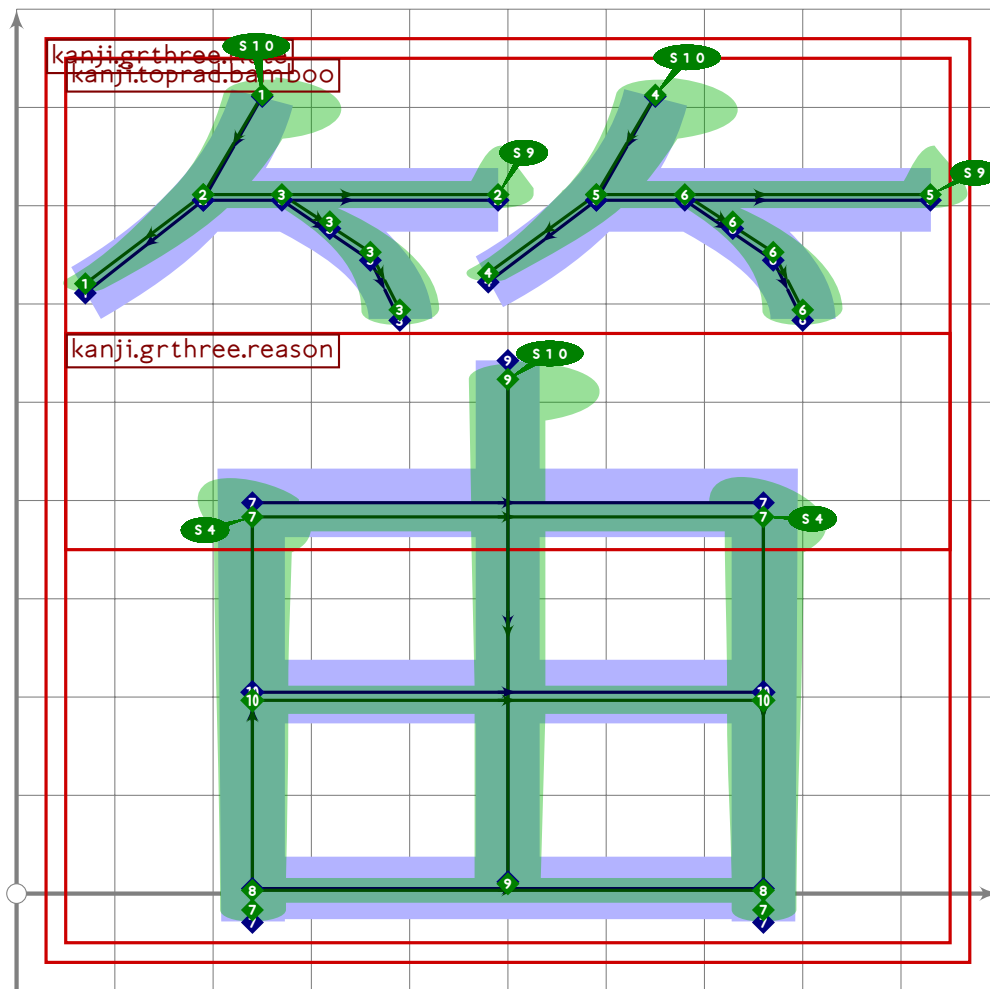


7B

```

70
71 vardef kanji.grthree.box =
72   push_pbox_toexpand("kanji.grthree.box");
73   build_kanji.level(build_kanji.tb(520,190)
74     (kanji.toprad.bamboo)
75     (kanji.grthree.correlation));
76   expand_pbox;
77 enddef;

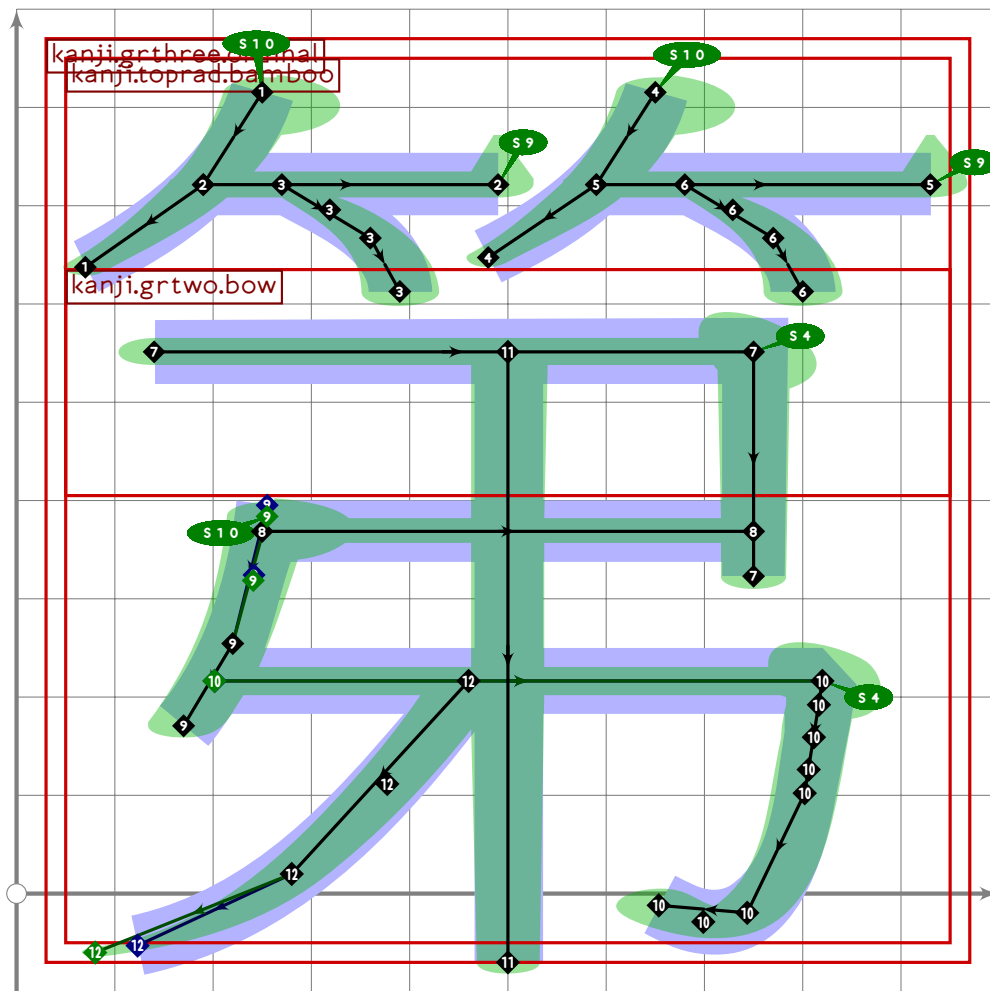
```



```

78
79 vardef kanji.grthree.flute =
80   push_pbox__toexpand("kanji.grthree.flute");
81   build_kanji.level(build_kanji.tb(460,220-40*mincho)
82     (kanji.toprad.bamboo)
83     (kanji.grthree.reason));
84   expand_pbox;
85 enddef;

```



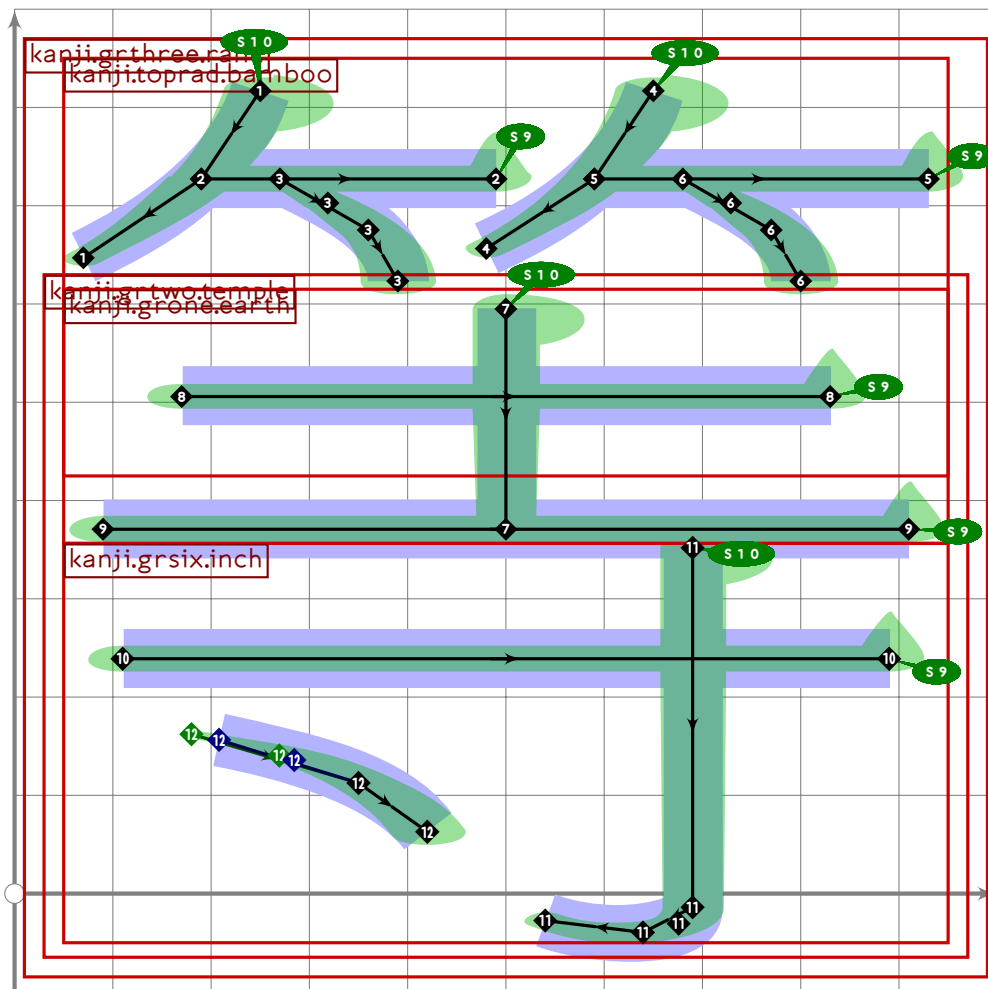
7B

```

86
87 vardef kanji.grthree.ordinal =
88   push_pbox_toexpand("kanji.grthree.ordinal");
89   build_kanji.level(build_kanji.tb(520,230)
90     (kanji.toprad.bamboo)
91     (kanji.grtwo.bow));
92   push_stroke((500,y part 0 of get_stroke(-3))-(500,-70),
93     (1.6,1.6)-(1.4,1.4));
94   replace_stroke(-1)((point 0 of oldp)-
95     ((subpath (1,infinity) of oldp)
96       shifted (-820,0) xscaled 0.45 shifted (820,0)));
97   push_stroke(((get_stroke(0) intersectionpoint get_stroke(-1))+(-40,0)).
98     tension 1.2..(280,20)..(80,-60),
99     (1.6,1.6)-(1.4,1.4)-(0.9,0.9));
100   expand_pbox;
101 enddef;

```

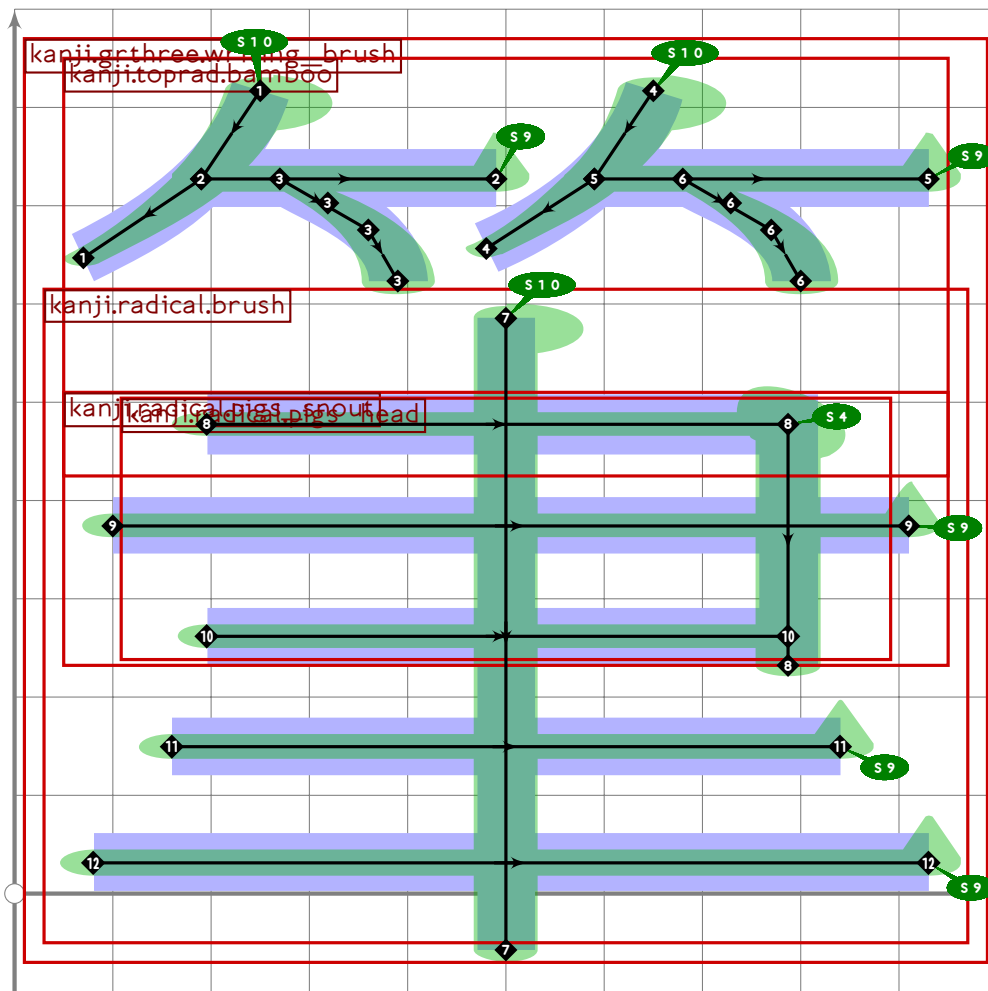
7B



```

102
103 vardef kanji.grthree.rank =
104   push_pbox_toexpand("kanji.grthree.rank");
105   build_kanji.level(build_kanji.tb(520,190)
106     (kanji.toprad.bamboo)
107     (kanji.grtwo.temple));
108   expand_pbox;
109 enddef;

```

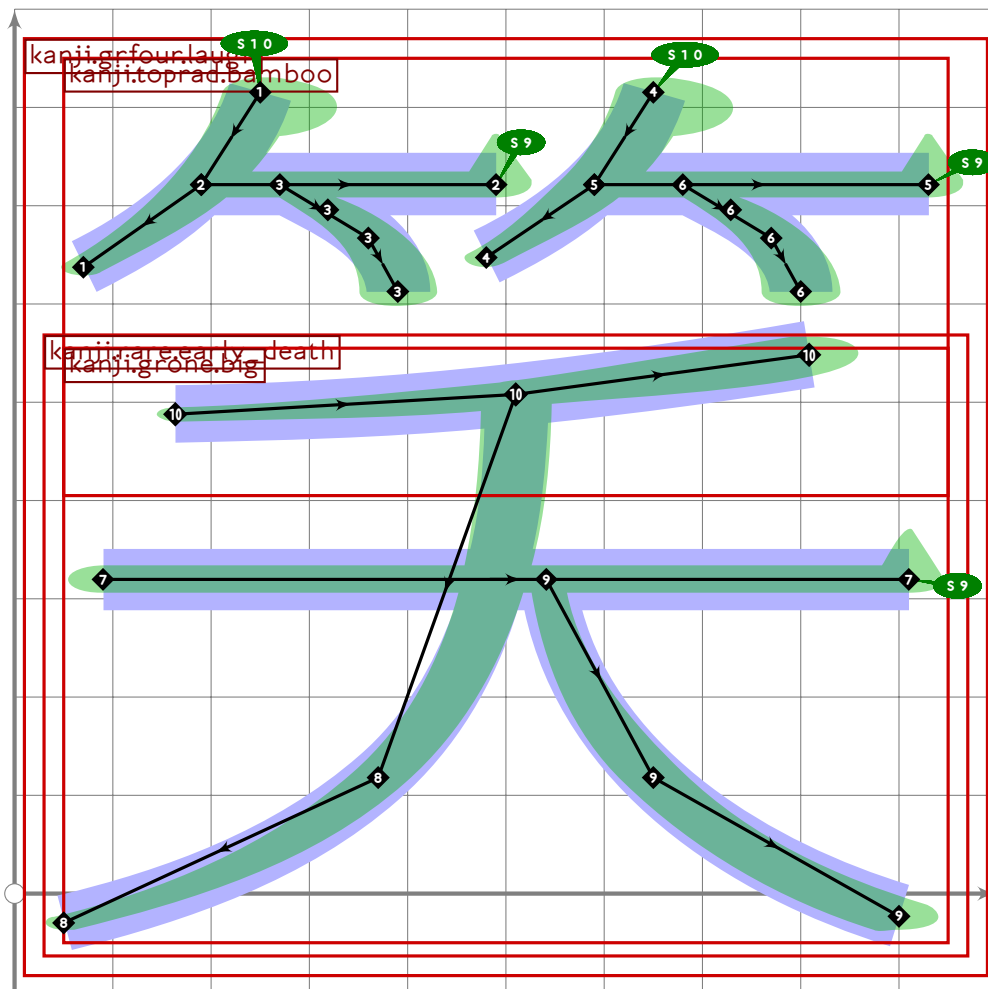


7B

```

110
111 vardef kanji.grthree.writing_brush =
112   push_pbox_toexpand("kanji.grthree.writing_brush");
113   build_kanji.level(build_kanji.tb(520,190)
114     (kanji.toprad.bamboo)
115     (kanji.radical.brush));
116   expand_pbox;
117 enddef;
118
119

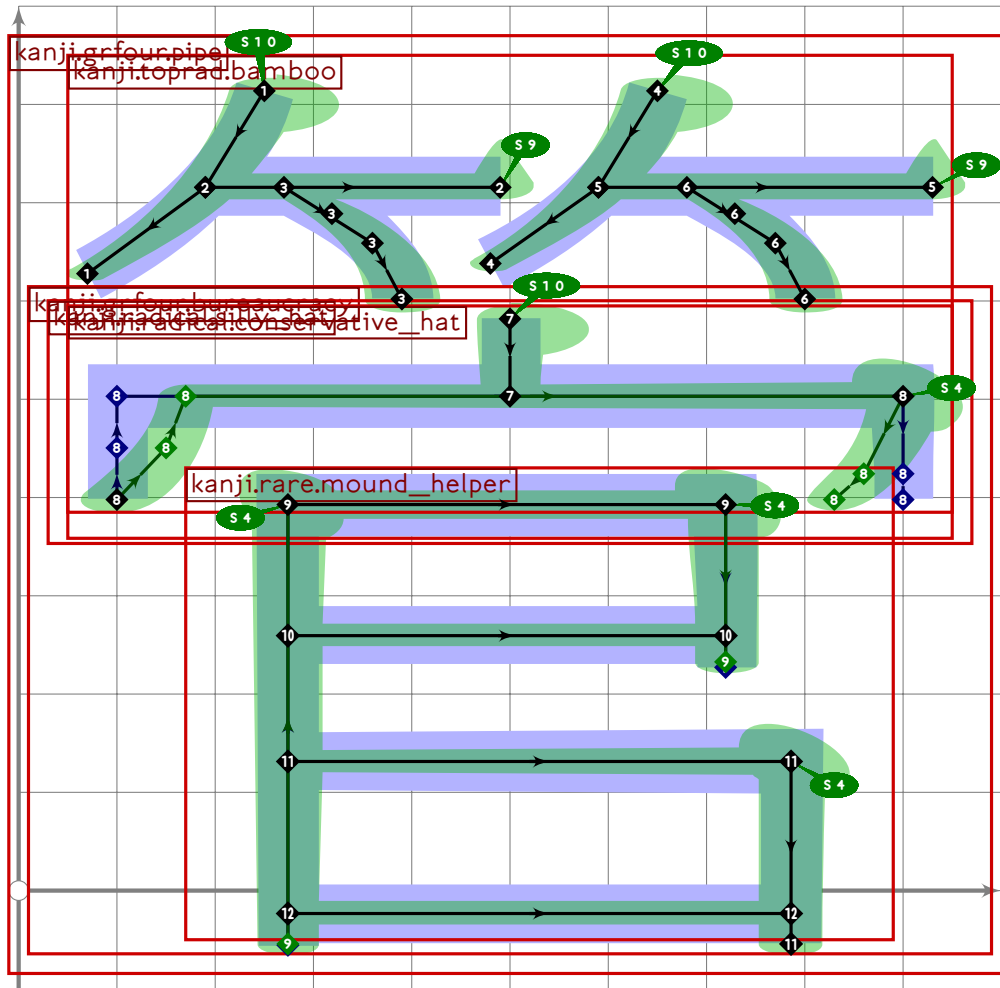
```



```

120
121 vardef kanji.grfour.laugh =
122   push_pbox_toexpand("kanji.grfour.laugh");
123   build_kanji.level(build_kanji.tb(480,150)
124     (kanji.toprad.bamboo)
125     (kanji.rare.early_death));
126   expand_pbox;
127 enddef;

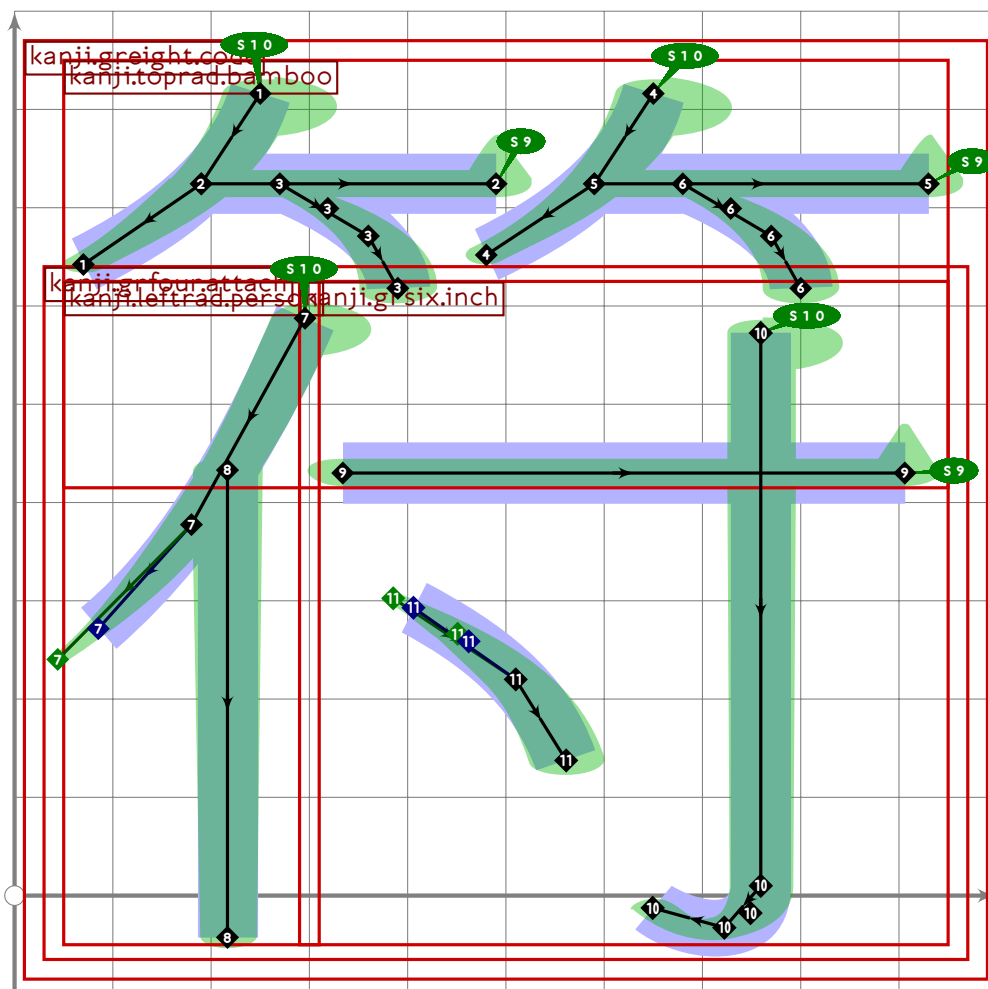
```



7B

```

128
129 vardef kanji.grfour.pipe =
130   push_pbox_toexpand("kanji.grfour.pipe");
131   build_kanji.level(build_kanji.tb(490,210)
132     (kanji.toprad.bamboo)
133     (kanji.grfour.bureaucracy));
134   expand_pbox;
135 enddef;
136
137
```



```

138
139 vardef kanji.greight.code =
140   push_pbox_toexpand("kanji.greight.code");
141   build_kanji.level(build_kanji.tb(520,210)
142     (kanji.toprad.bamboo)
143     (kanji.grfour.attach));
144   expand_pbox;
145 enddef;
146
147
148
149 % shou/wara "laugh"
150 beginsuglyph("uni7B11";17);
151   kanji.grfour.laugh;
152   tsu_render;
153 endsuglyph;
154
155 % teki/fue "flute"
156 beginsuglyph("uni7B1B";27);
157   kanji.grthree.flute;
158   tsu_render;

```

[see page 2384]

[see page 2380]

159	endtsuglyph;	
160		
161	% fu "code"	
162	begintsuglyph("uni7B26";38);	[see page 2386]
163	kanji.greight.code;	
164	tsu_render;	
165	endtsuglyph;	
166		
167	% dai "ordinal number"	
168	begintsuglyph("uni7B2C";44);	[see page 2381]
169	kanji.grthree.ordinal;	
170	tsu_render;	
171	endtsuglyph;	
172		
173	% hitsu/fude "writing brush"	
174	begintsuglyph("uni7B46";70);	[see page 2383]
175	kanji.grthree.writing_brush;	
176	tsu_render;	
177	endtsuglyph;	
178		
179	% tou/hito "rank"	
180	begintsuglyph("uni7B49";73);	[see page 2382]
181	kanji.grthree.rank;	
182	tsu_render;	
183	endtsuglyph;	
184		
185	% tou/kota "answer"	
186	begintsuglyph("uni7B54";84);	[see page 2377]
187	kanji.grtwo.answer;	
188	tsu_render;	
189	endtsuglyph;	
190		
191	% sen/soru "calculate"	
192	begintsuglyph("uni7B97";151);	[see page 2378]
193	kanji.grtwo.calculate;	
194	tsu_render;	
195	endtsuglyph;	
196		
197	% kan/kuda "pipe" or "jurisdiction"	
198	begintsuglyph("uni7BA1";161);	[see page 2385]
199	kanji.grfour.pipe;	
200	tsu_render;	
201	endtsuglyph;	
202		
203	% sou/hako "box"	
204	begintsuglyph("uni7BB1";177);	[see page 2379]
205	kanji.grthree.box;	
206	tsu_render;	

207 endtsuglyph;

208

209

210

211 endfont;

212

213

tsuku-7c.mp

7C

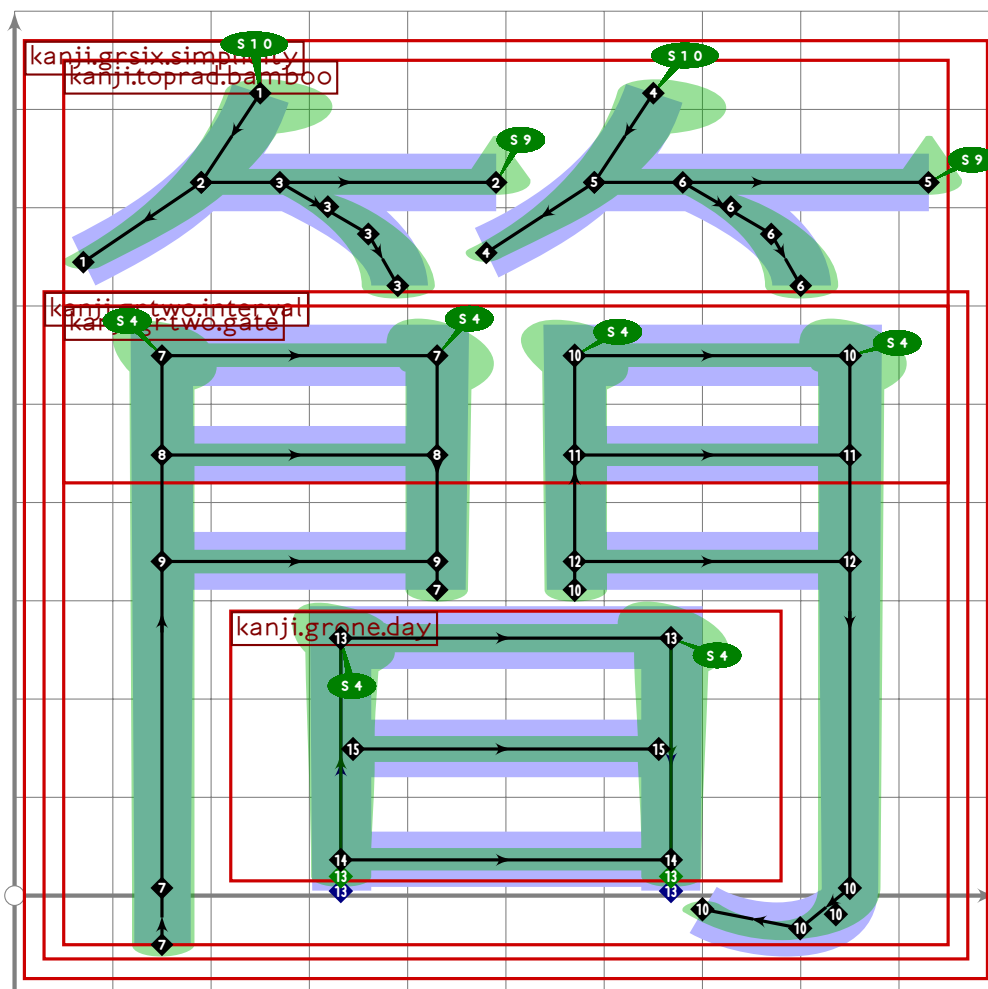
```
1 %
2 % Unicode page 7C (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---


```



```

46
47 vardef kanji.grsix.simplicity =
48   push_pbox_toexpand("kanji.grsix.simplicity");
49   build_kanji.level(build_kanji.tb(510,180)
50     (kanji.toprad.bamboo)
51     (kanji.grtwo.interval));
52   expand_pbox;
53 enddef;
54
55
56
57 % kan/era "simplicity"
58 beginsuglyph("uni7C21";33);
59   kanji.grsix.simplicity;
60   tsu_render;
61 endtsuglyph;
62
63 % bei/kome "rice", also "USA" and "metre"
64 beginsuglyph("uni7C73";115);
65   kanji.grtwo.rice;
66   tsu_render;

```

[see page 2390]

[see page 534]

```

67 endtsuglyph;
68
69 % shi/ito "thread"
70 begintsuglyph("uni7CF8";248); [see page 468]
71   kanji.grone.thread;
72   tsu_render;
73 endtsuglyph;
74
75 % kei "lineage"
76 begintsuglyph("uni7CFB";251); [see page 612]
77   kanji.grfour.lineage;
78   tsu_render;
79 endtsuglyph;
80
81 _____
82
83 endfont;
84
85 _____

```

tsuku-7d.mp

7D

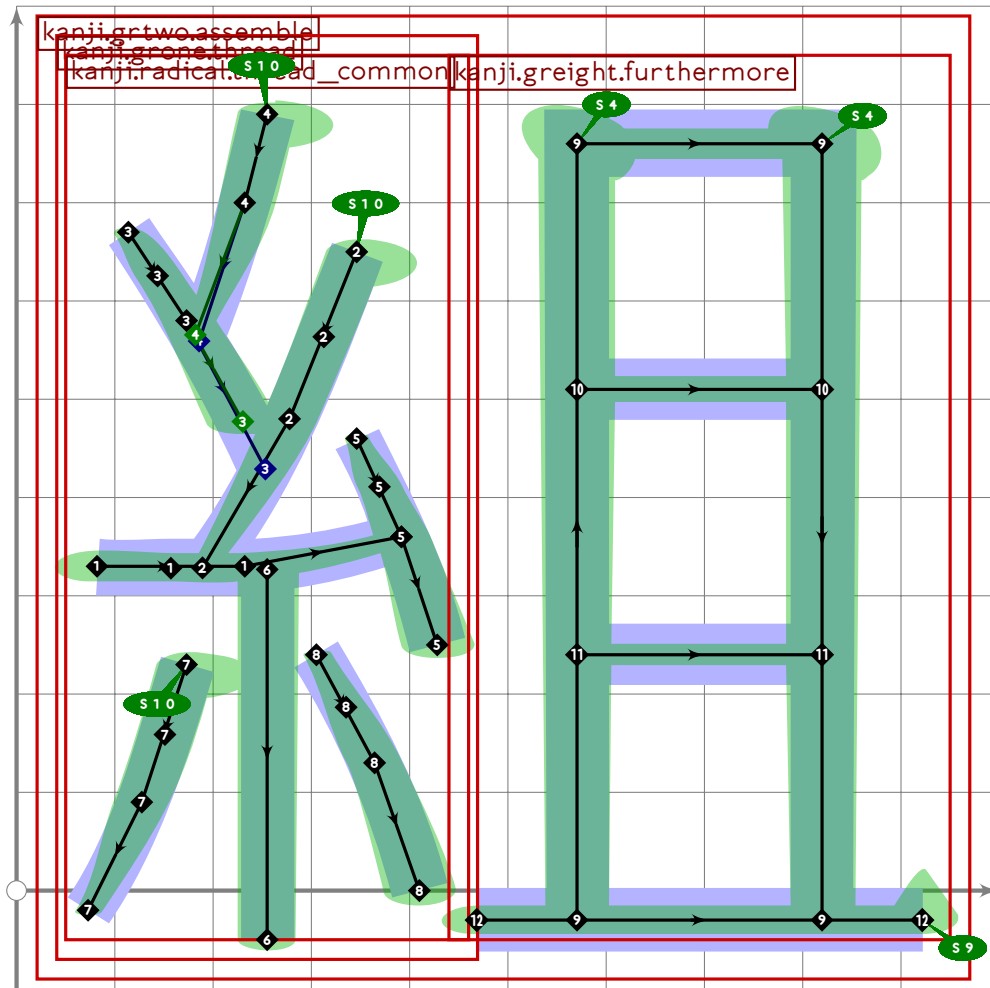
```
1 %
2 % Unicode page 7D (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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 rightrad.mp;
45
46 do_late_includes;
47
48 

---


```



7D

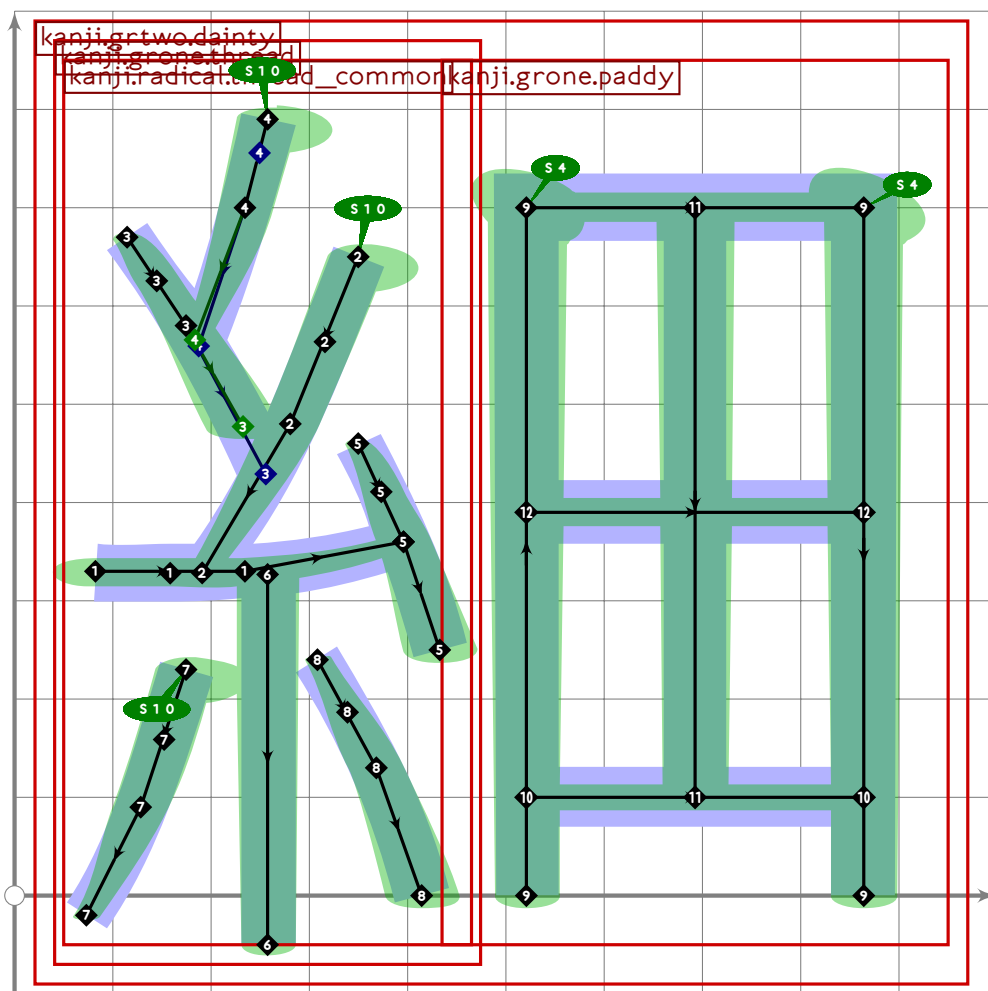
```

49
50 vardef kanji.grtwo.assemble =
51   push_pbox_toexpand("kanji.grtwo.assemble");
52   build_kanji.lr(450,20)
53   (kanji.grone.thread)
54   (kanji.greight.furthermore);
55   expand_pbox;
56 enddef;

```

U+7D30
tsuku.uni7D30

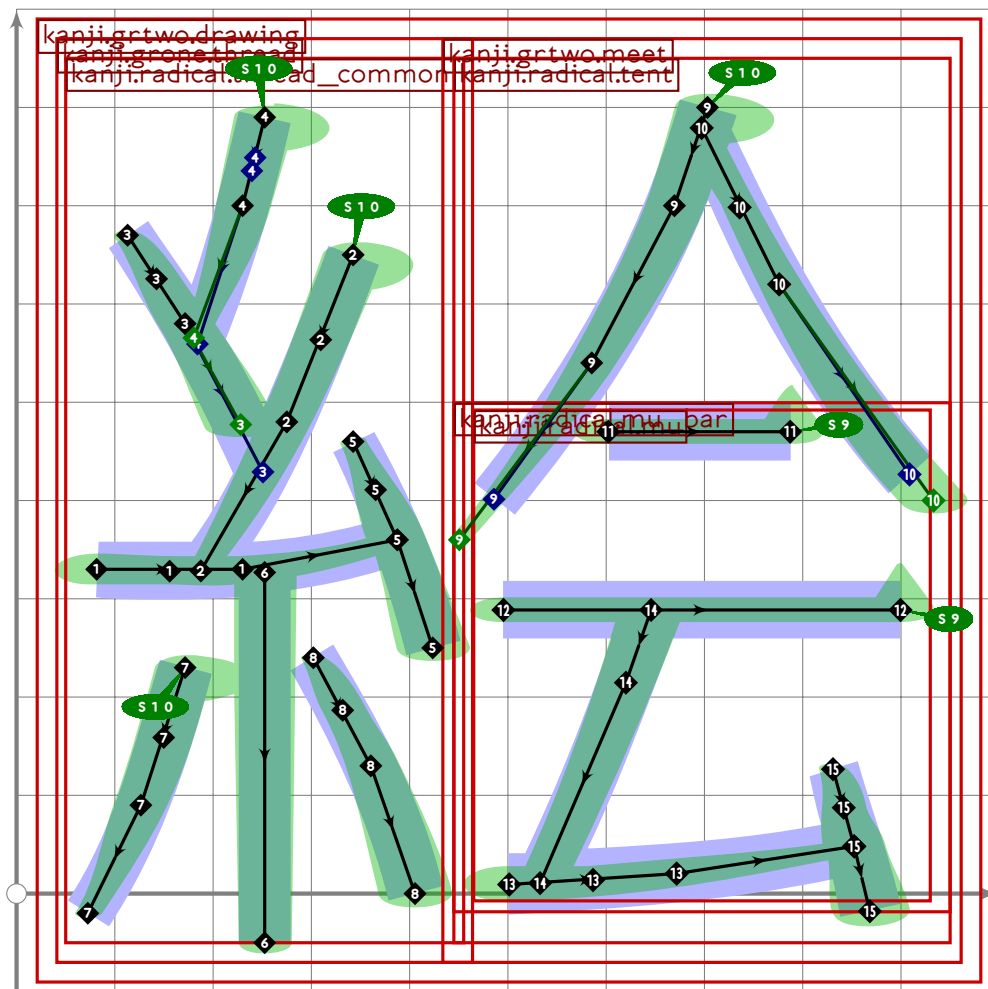
7D



```

57
58 vardef kanji.grtwo.dainty =
59   push_pbox_toexpand("kanji.grtwo.dainty");
60   build_kanji.lr(450,30)
61     (kanji.grone.thread)
62     (kanji.grone.paddy);
63   expand_pbox;
64 enddef;
65

```



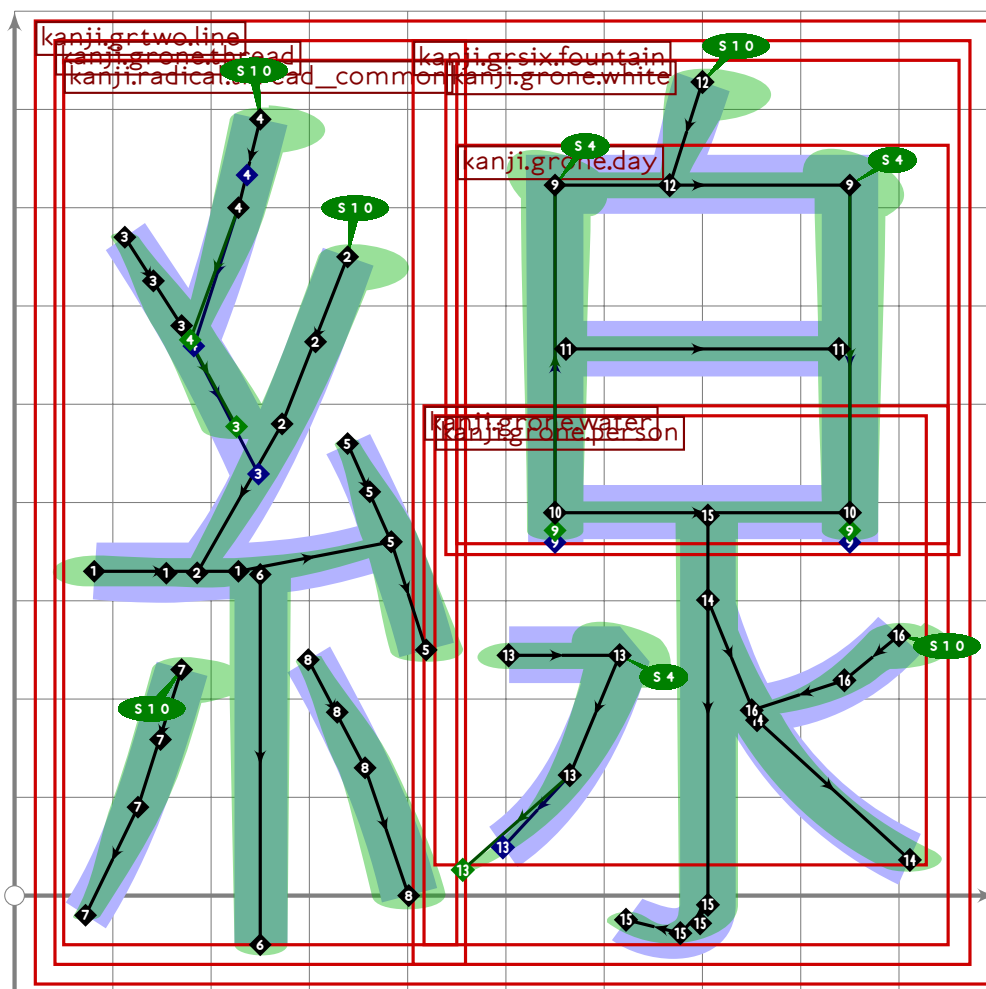
7D

```

66 % "picture" is a reserved word
67 vardef kanji.grtwo.drawing =
68   push_pbox_toexpand("kanji.grtwo.drawing");
69   build_kanji.lr(450,10)
70   (kanji.grone.thread)
71   (kanji.grtwo.meet);
72   expand_pbox;
73 enddef;

```

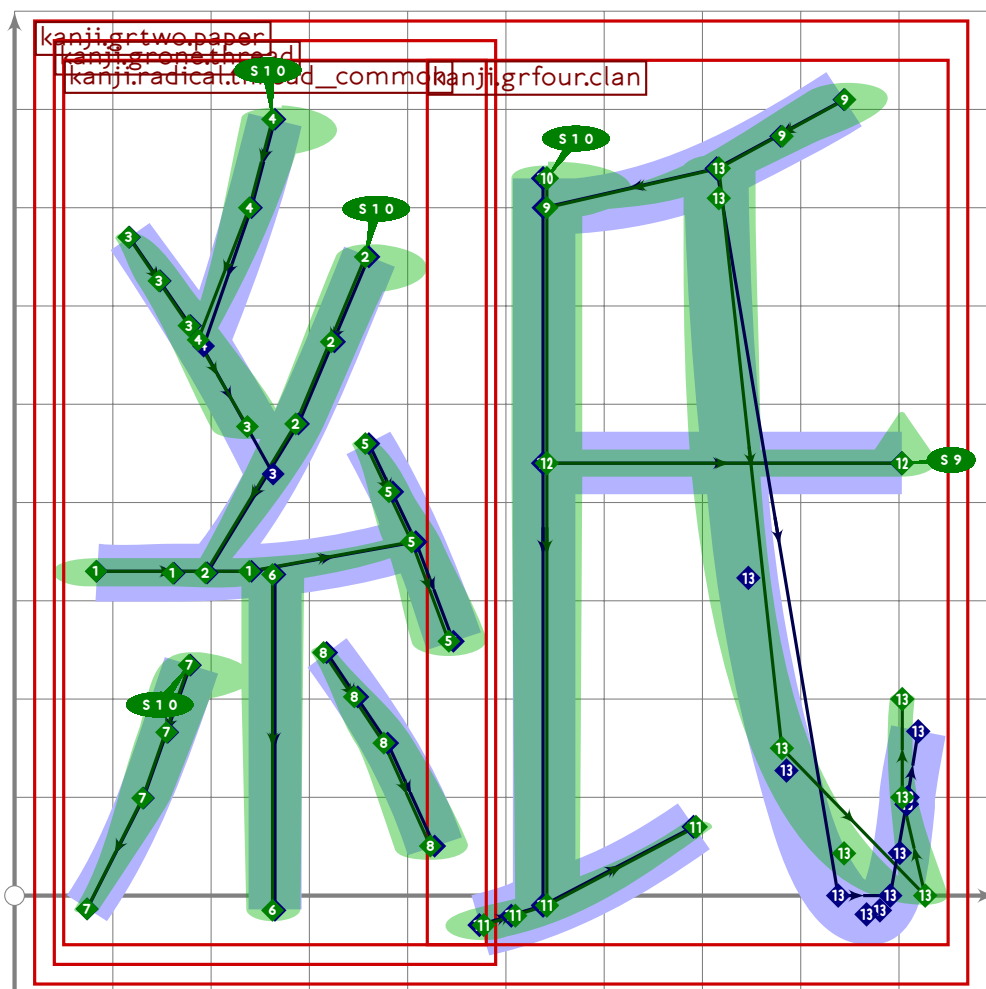
7D



```

74
75 vardef kanji.grtwo.line =
76   push_pbox_toexpand("kanji.grtwo.line");
77   build_kanji.lr(450,0)
78     (kanji.grone.thread)
79     (kanji.grsix.fountain);
80   expand_pbox;
81 enddef;

```



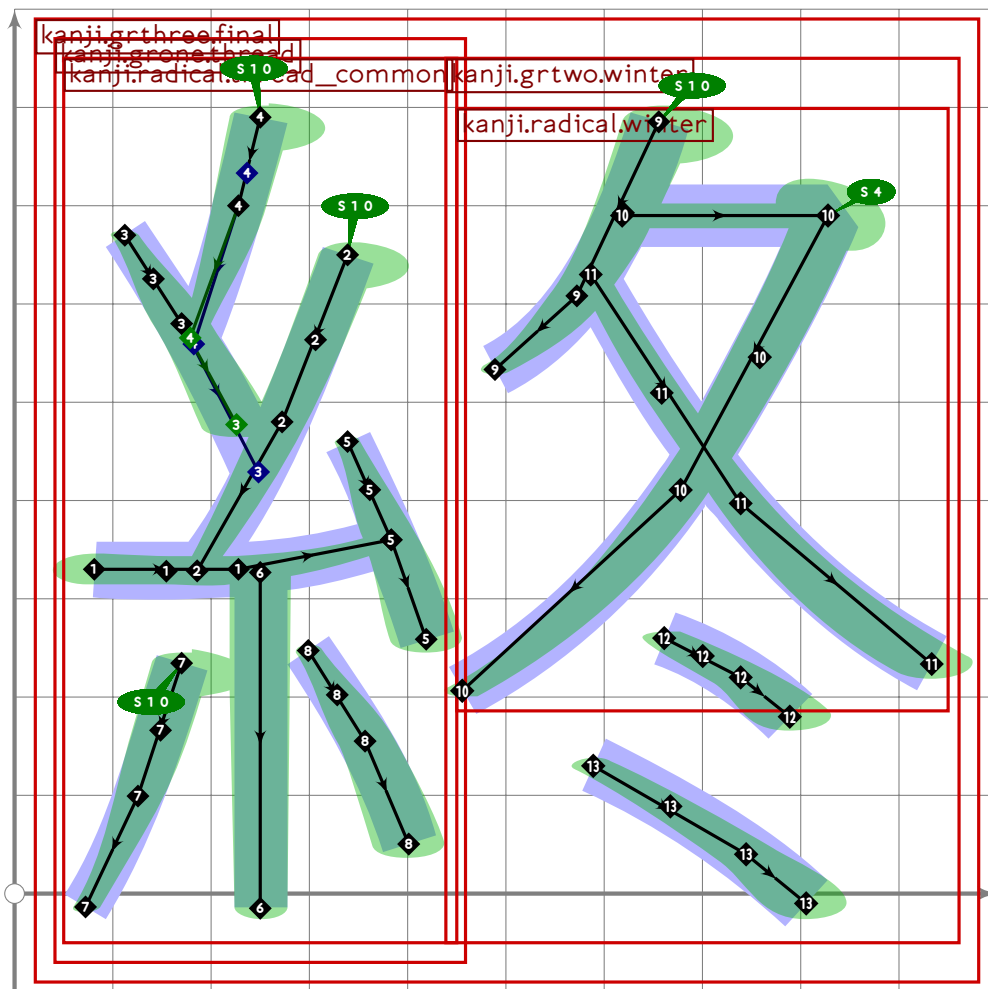
7D

```

82
83 vardef kanji.grtwo.paper =
84   push_pbox_toexpand("kanji.grtwo.paper");
85   build_kanji.lr(450,60-10*mincho)
86     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
87     (kanji.grfour.clan);
88   expand_pbox;
89 enddef;
90
91

```

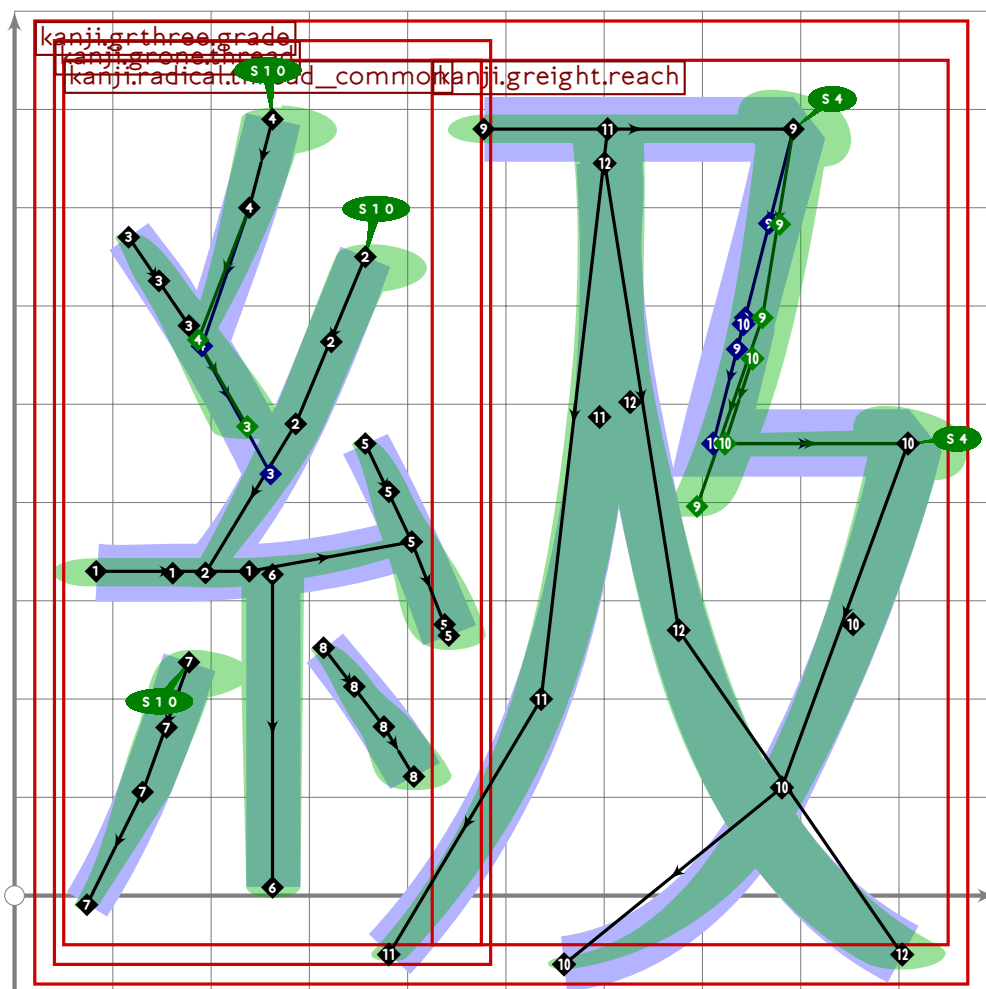
7D



```

92
93 vardef kanji.grthree.final =
94   push_pbox_toexpand("kanji.grthree.final");
95   build_kanji.lr(450,0)
96     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
97     (kanji.grtwo.winter);
98   expand_pbox;
99 enddef;

```

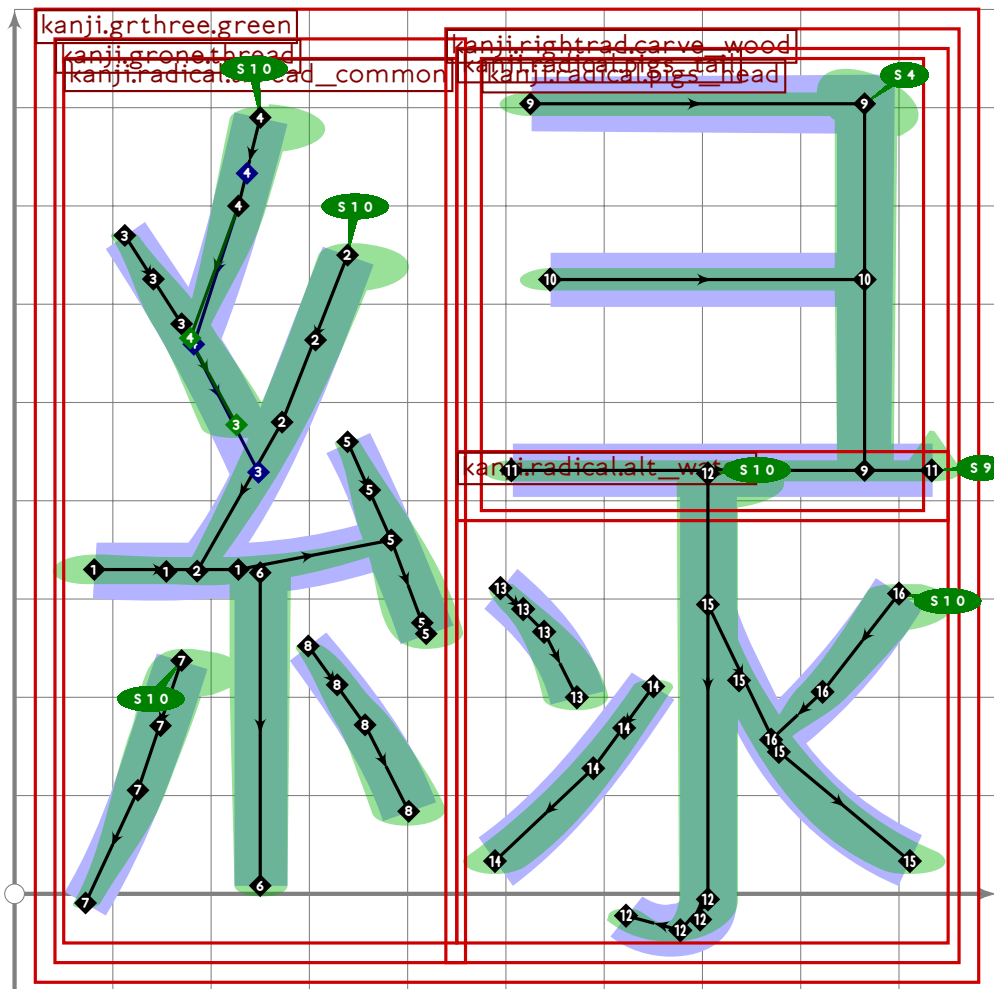


7D

```

100
101 vardef kanji.grthree.grade =
102   push_pbox_toexpand("kanji.grthree.grade");
103   build_kanji.lr(450,50)
104     (build_kanji.lift_skirt(300,100)
105       (kanji.grone.thread;
106         replace_stroke(0)(subpath (0,1.6) of oldp)))
107     (kanji.greight.reach);
108   replace_stroke(-1)((point 0 of oldp)..tension 1.2..
109     ((0,-90)+point 1 of oldp)..((-50,0)+point 2 of oldp));
110   expand_pbox;
111 enddef;

```

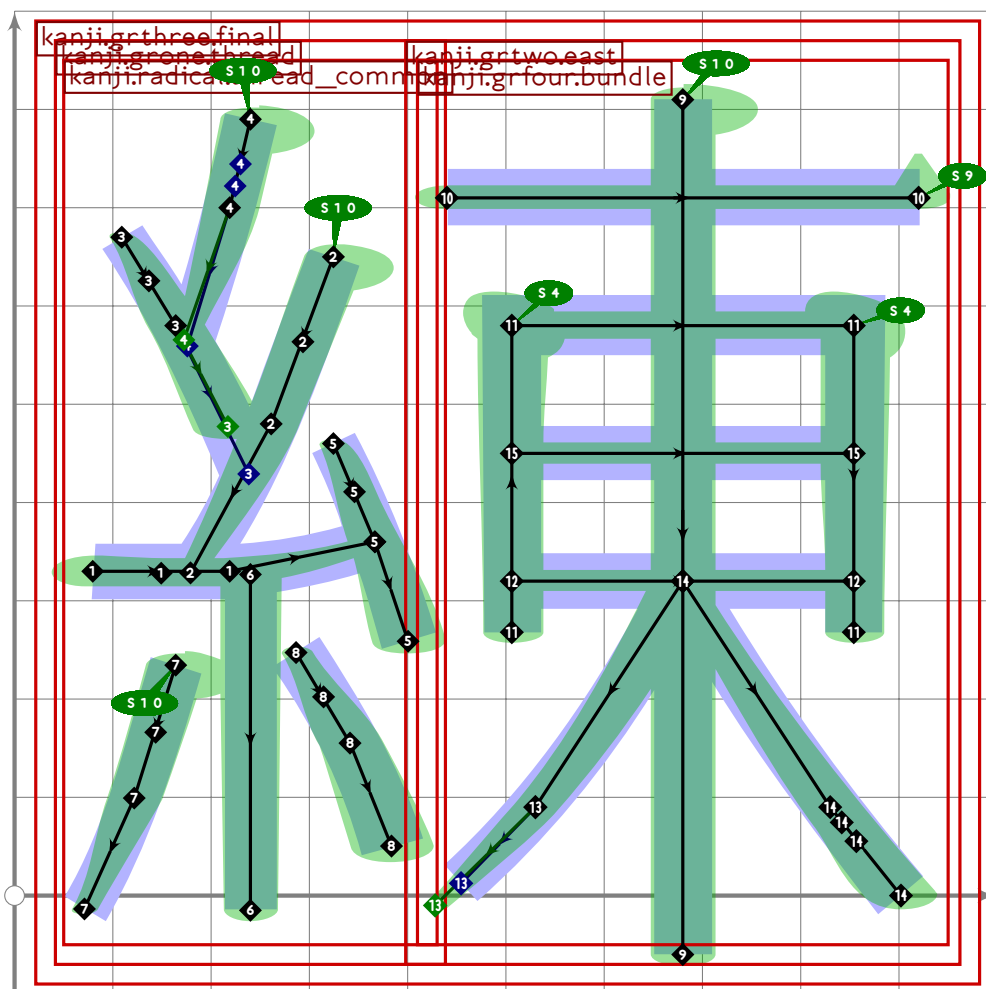


7D

```

112
113 vardef kanji.grthree.green =
114   push_pbox_toexpand("kanji.grthree.green");
115   build_kanji.lr(450,0)
116     (build_kanji.lift_skirt(300,100)(kanji.grone.thread))
117     (kanji.rightrad.carve_wood);
118   expand_pbox;
119 enddef;

```



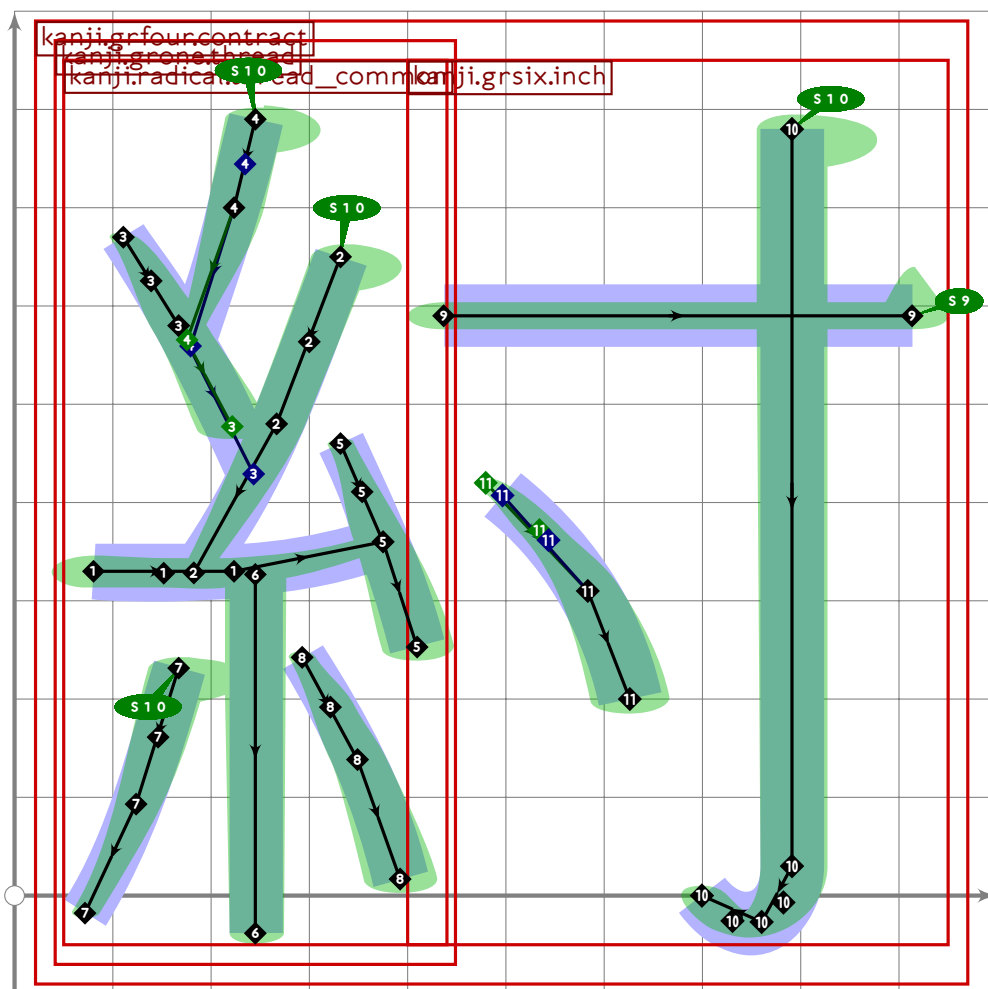
7D

```

120
121 vardef kanji.grthree.knead =
122   push_pbox_toexpand("kanji.grthree.final");
123   build_kanji.lr(420,20)
124     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
125     (kanji.grtwo.east);
126   expand_pbox;
127 enddef;
128
129
130

```

U+7D04
tsuku.uni7D04

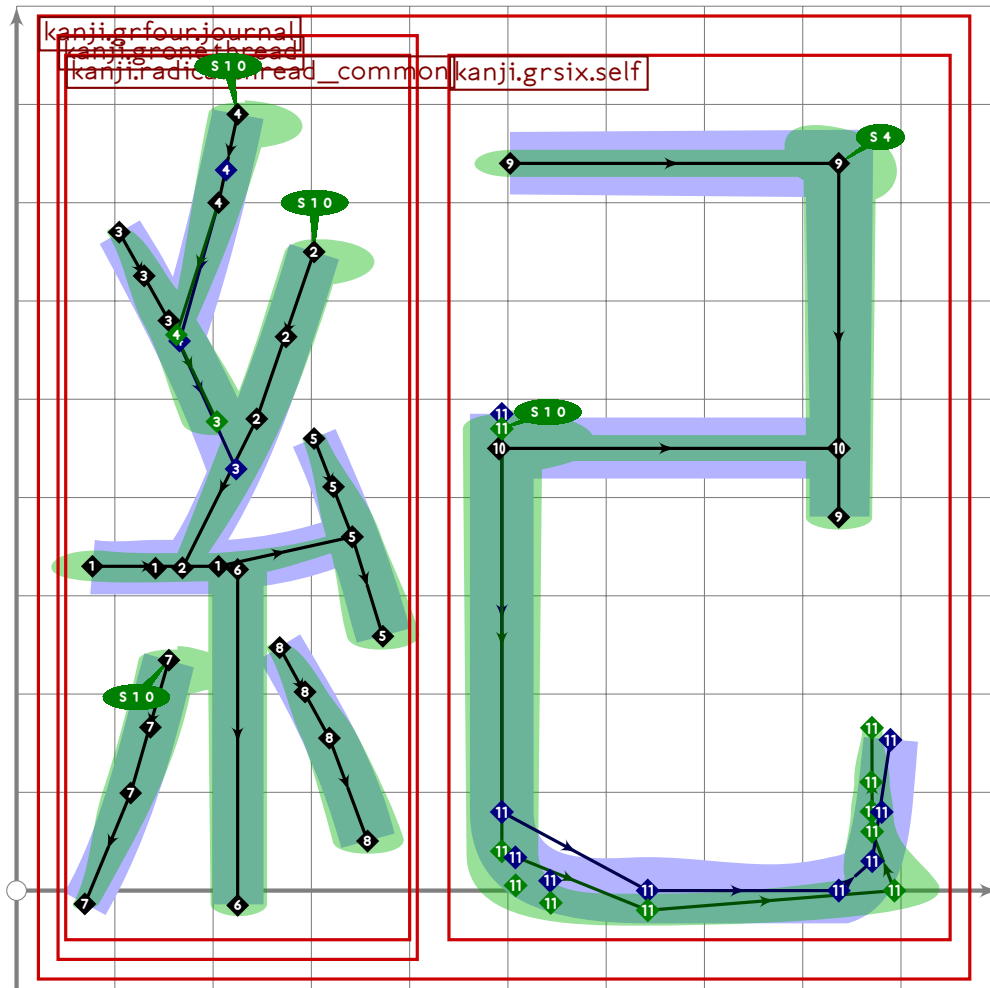


7D

```

131 % both "shrink" and "agreement"!
132 vardef kanji.grfour.contract =
133   push_pbox_toexpand("kanji.grfour.contract");
134   build_kanji.lr(420,40)
135     (build_kanji.lift_skirt(300,20)(kanji.grone.thread))
136     (kanji.grsix.inch);
137   expand_pbox;
138 enddef;

```

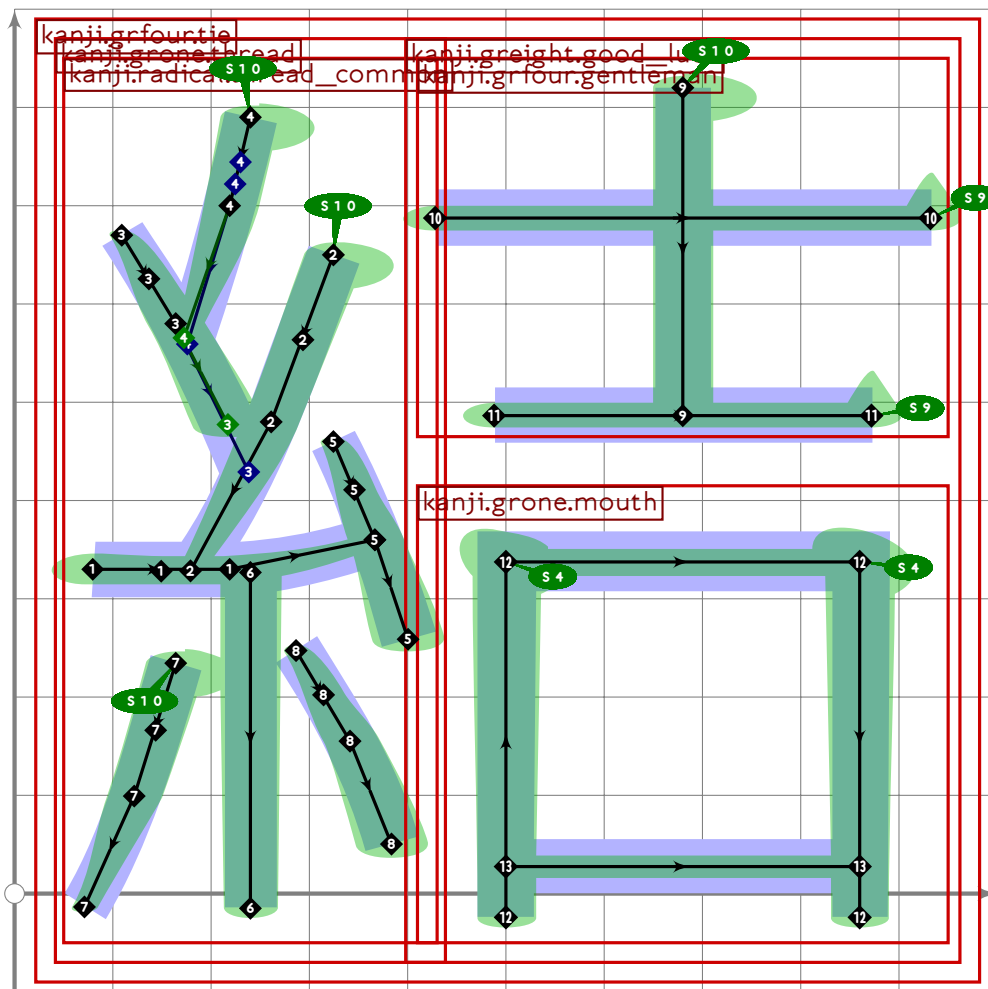


7D

```

139
140 vardef kanji.grfour.journal =
141   push_pbox_toexpand("kanji.grfour.journal");
142   build_kanji.lr(420,-40)
143   (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
144   (kanji.grsix.self);
145   expand_pbox;
146 enddef;

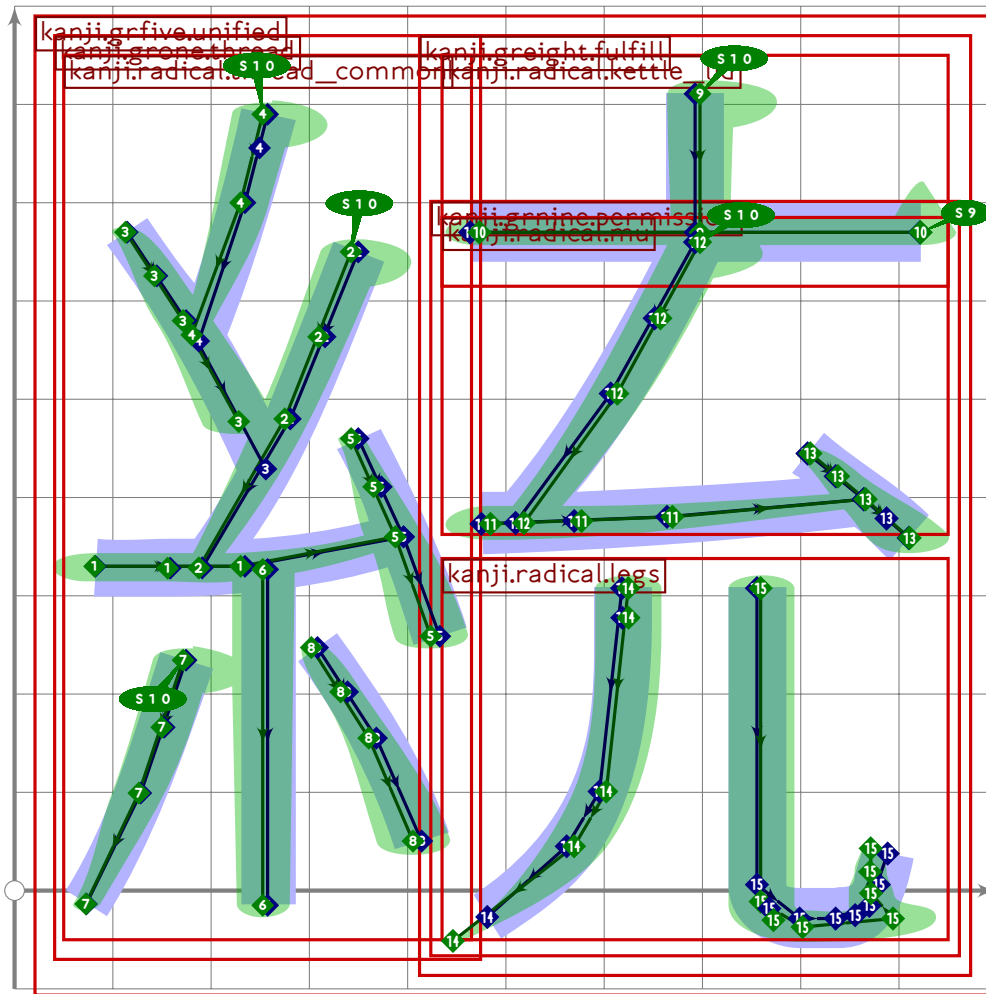
```



7D

```

147
148 vardef kanji.grfourtie =
149   push_pbox_toexpand("kanji.grfourtie");
150   build_kanji.lr(420,20)
151     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
152     (kanji.greight.good_luck);
153   expand_pbox;
154 enddef;
155
156
```



7D

```

157
158 vardef kanji.grfive.unified =
159   push_pbox_toexpand("kanji.grfive.unified");
160   build_kanji.lr(450,30-20*mincho)
161     (build_kanji.lift_skirt(300,60)(kanji.grone.thread))
162     (kanji.greight.fulfill);
163   expand_pbox;
164 enddef;
165
166
167
168 % ki "journal"
169 begintsuglyph("uni7D00"0);
170   kanji.grfour.journal;
171   tsu_render;
172 endtsuglyph;
173
174 % yaku/tsudzu "contract"
175 begintsuglyph("uni7D04"4);
176   kanji.grfour.contract;
177   tsu_render;

```

[see page 2403]

[see page 2402]

```

178 endtsuglyph;
179
180 % shi/kami "paper"
181 begintsuglyph("uni7D19";25); [see page 2397]
182   kanji.grtwo.paper;
183   tsu_render;
184 endtsuglyph;
185
186 % kyu "grade"
187 begintsuglyph("uni7D1A";26); [see page 2399]
188   kanji.grthree.grade;
189   tsu_render;
190 endtsuglyph;
191
192 % dai/hoso "dainty"
193 begintsuglyph("uni7D30";48); [see page 2394]
194   kanji.grtwo.dainty;
195   tsu_render;
196 endtsuglyph;
197
198 % shuu/o "final"
199 begintsuglyph("uni7D42";66); [see page 2398]
200   kanji.grthree.final;
201   tsu_render;
202 endtsuglyph;
203
204 % so/ku "assemble"
205 begintsuglyph("uni7D44";68); [see page 2393]
206   kanji.grtwo.assemble;
207   tsu_render;
208 endtsuglyph;
209
210 % ketsu/musu "tie"
211 begintsuglyph("uni7D50";80); [see page 2404]
212   kanji.grfour.tie;
213   tsu_render;
214 endtsuglyph;
215
216 % tou/su "unified"
217 begintsuglyph("uni7D71";113); [see page 2405]
218   kanji.grfive.unified;
219   tsu_render;
220 endtsuglyph;
221
222 % kai/e "picture"
223 begintsuglyph("uni7D75";117); [see page 2395]
224   kanji.grtwo.drawing;
225   tsu_render;

```

```

226 endtsuglyph;
227
228 % ryoku/midori "green"
229 begintsuglyph("uni7DD1";209); [see page 2400]
230   kanji.grthree.green;
231   tsu_render;
232 endtsuglyph;
233
234 % sen/suji "line" (geometric, rail, telephone)
235 begintsuglyph("uni7DDA";218); [see page 2396]
236   kanji.grtwo.line;
237   tsu_render;
238 endtsuglyph;
239
240 % ren/nuri "knead" or "paste"
241 begintsuglyph("uni7DF4";244); [see page 2401]
242   kanji.grthree.knead;
243   tsu_render;
244 endtsuglyph;
245
246 _____
247
248 endfont;
249
250 _____

```

tsuku-7f.mp

7F

```
1 %  
2 % Unicode page 7F (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 gradeone.mp;
```

```
38 input gradethree.mp;
```

```
39 input gradetwo.mp;
```

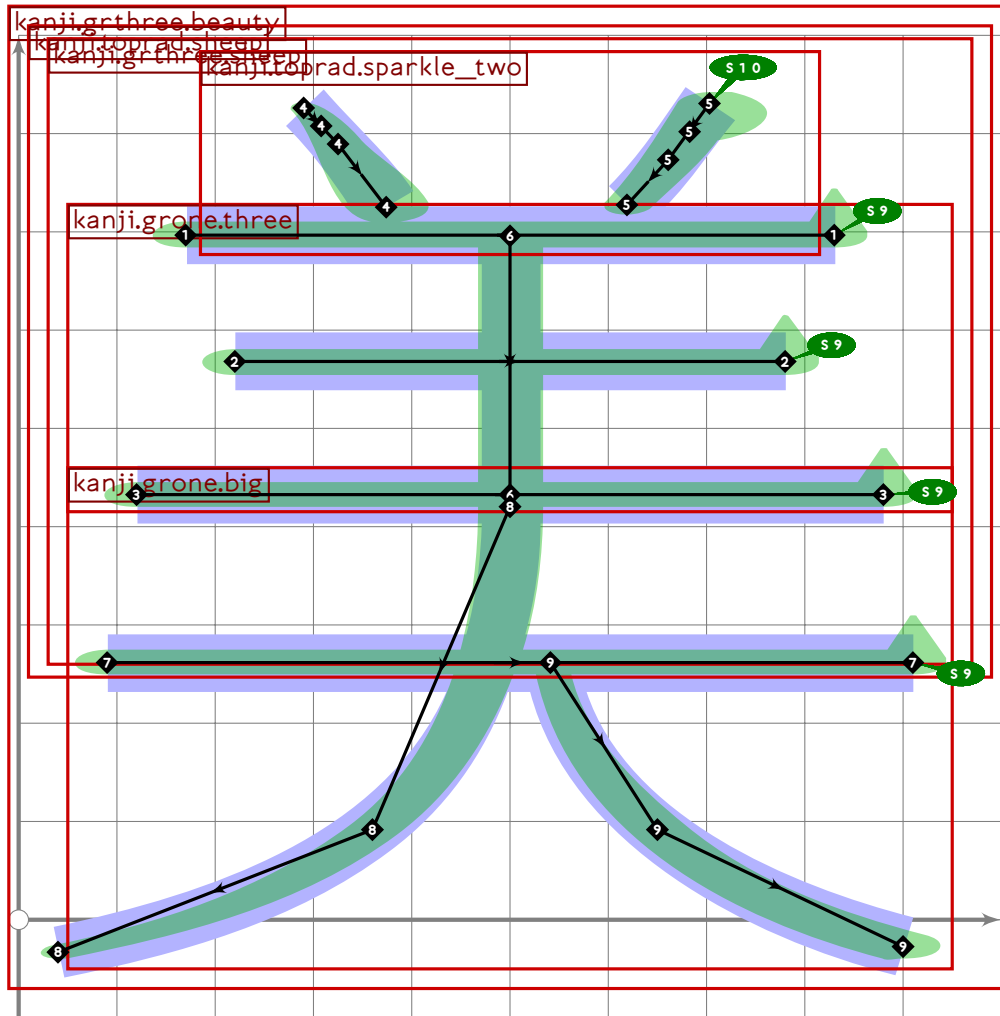
```
40 input toprad.mp;
```

```
41
```

```
42 do_late_includes;
```

```
43
```

```
44
```

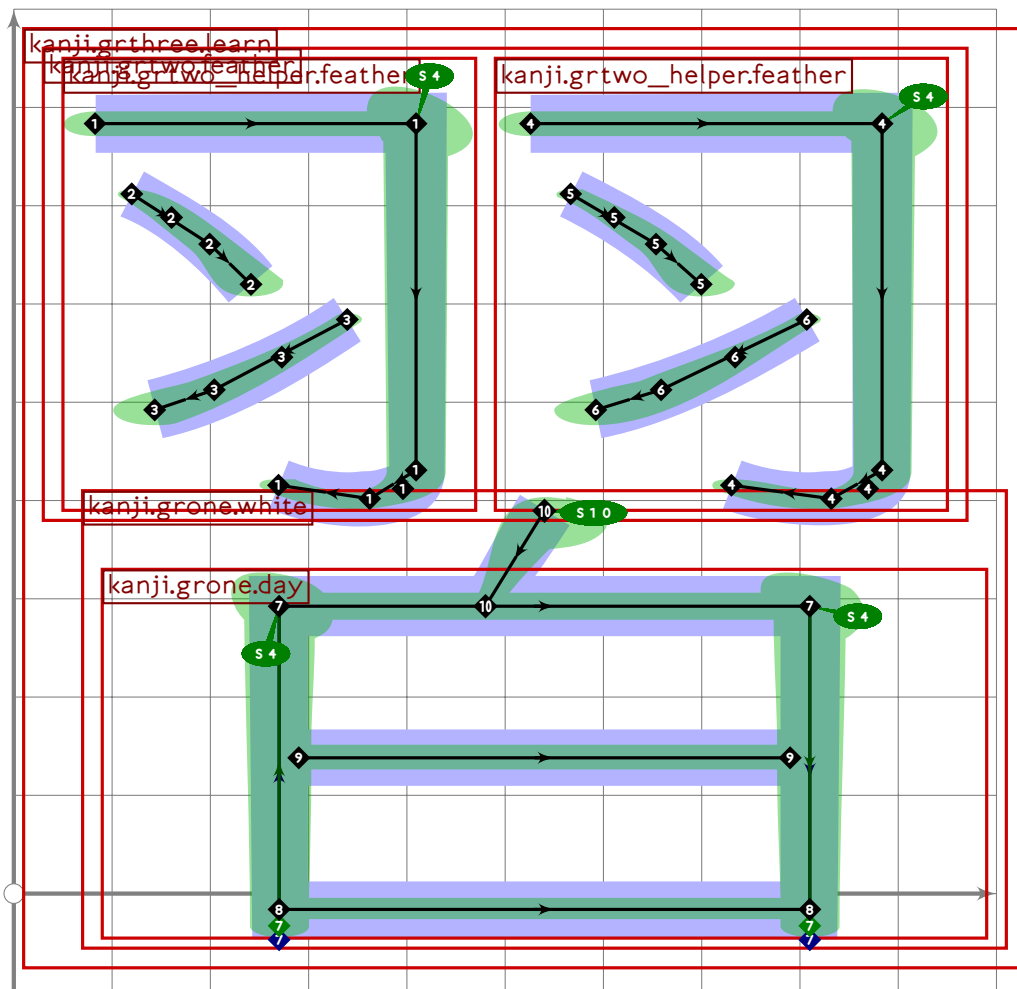


7F

```

45
46 vardef kanji.grthree.beauty =
47   push_pbox_toexpand("kanji.grthree.beauty");
48   build_kanji.level(build_kanji.tb(360,200)
49     (kanji.toprad.sparkle_two)
50     (kanji.grone.big;
51       replace_stroke(-1)(oldp shifted (-10,0))));
52   expand_pbox;
53 enddef;

```

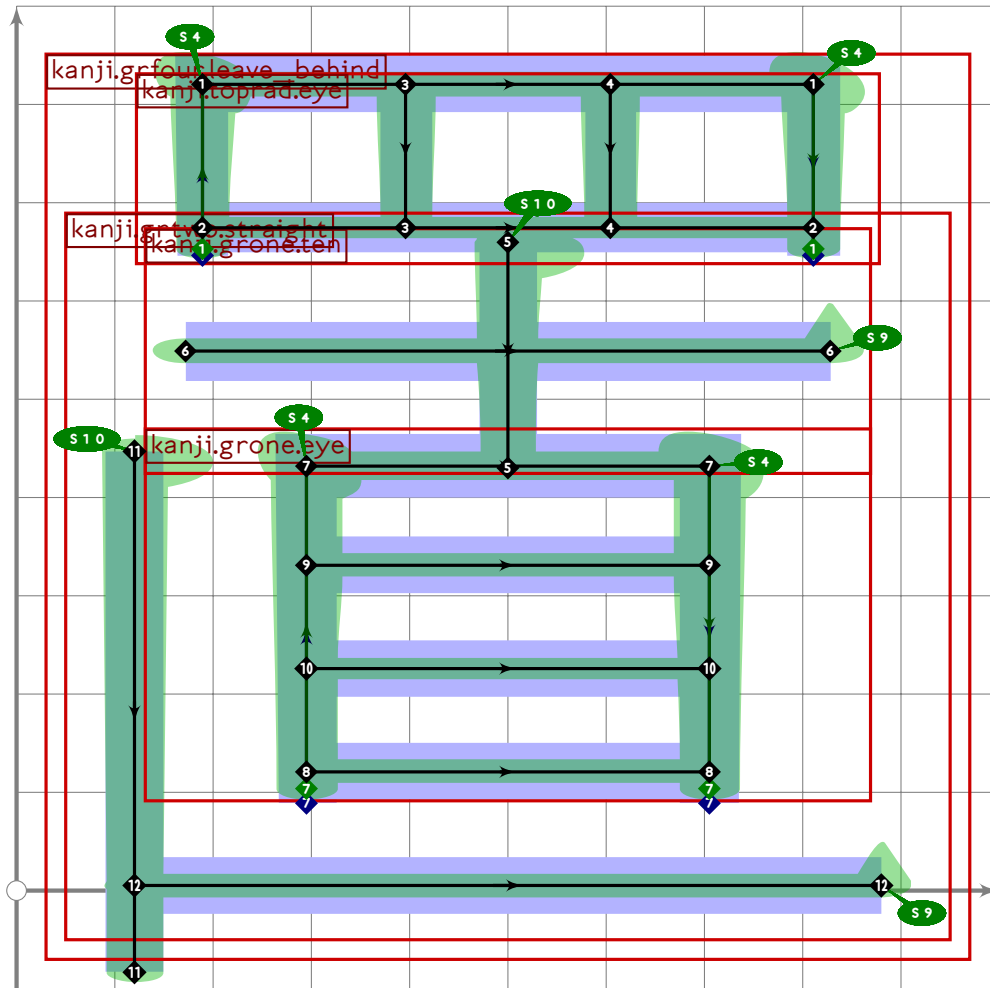


7F

```

54
55 vardef kanji.grthree.learn =
56   push_pbox_toexpand("kanji.grthree.learn");
57   build_kanji.level(build_kanji.tb(400,20)
58     (kanji.grtwo.feather)
59     (tsu_xform(identity shifted (40,0))(kanji.grone.white)));
60   expand_pbox;
61 enddef;
62
63

```



7F

```

64
65 vardef kanji.grfour.leave_behind =
66   push_pbox_toexpand("kanji.grfour.leave_behind");
67   build_kanji.tb(640,40)
68   (build_kanji.sscale(scaled 0.84)(kanji.toprad.ey))
69   (kanji.grtwo.straight);
70   expand_pbox;
71 enddef;
72
73
74
75 % chi/o "desert" or "leave behind"
76 begintsuglyph("uni7F6E",110);
77   kanji.grfour.leave_behind;
78   tsu_render;
79 endtsuglyph;
80
81 % you/hitsuji "sheep"
82 begintsuglyph("uni7F8A",138);
83   kanji.grthree.sheep;
84   tsu_render;

```

[see page 2411]

[see page 583]

```

85 endtsuglyph;
86
87 % bi/utsuku "beauty"
88 begintsuglyph("uni7F8E";142); [see page 2409]
89   kanji.grthree.beauty;
90   tsu_render;
91 endtsuglyph;
92
93 % u/hane "feather"
94 begintsuglyph("uni7FBD";189); [see page 496]
95   kanji.grtwo.feather;
96   tsu_render;
97 endtsuglyph;
98
99 % shuu/nara "learn"
100 begintsuglyph("uni7FD2";210); [see page 2410]
101   kanji.grthree.learn;
102   tsu_render;
103 endtsuglyph;
104
105 _____
106
107 endfont;
108
109 _____

```

tsuku-80.mp

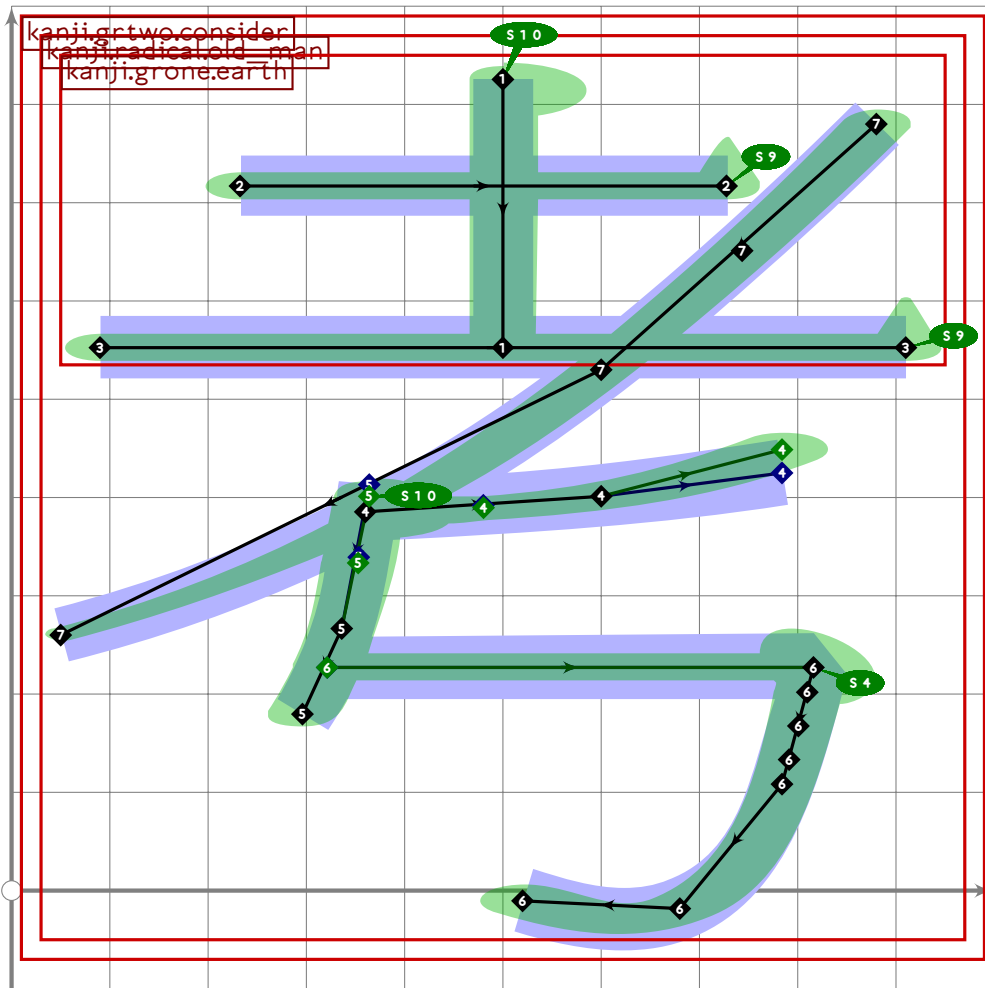
```
1 %
2 % Unicode page 80 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input 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 radical.mp;
46 input toprad.mp;
47
48 do_late_includes;
49
50 

---


```

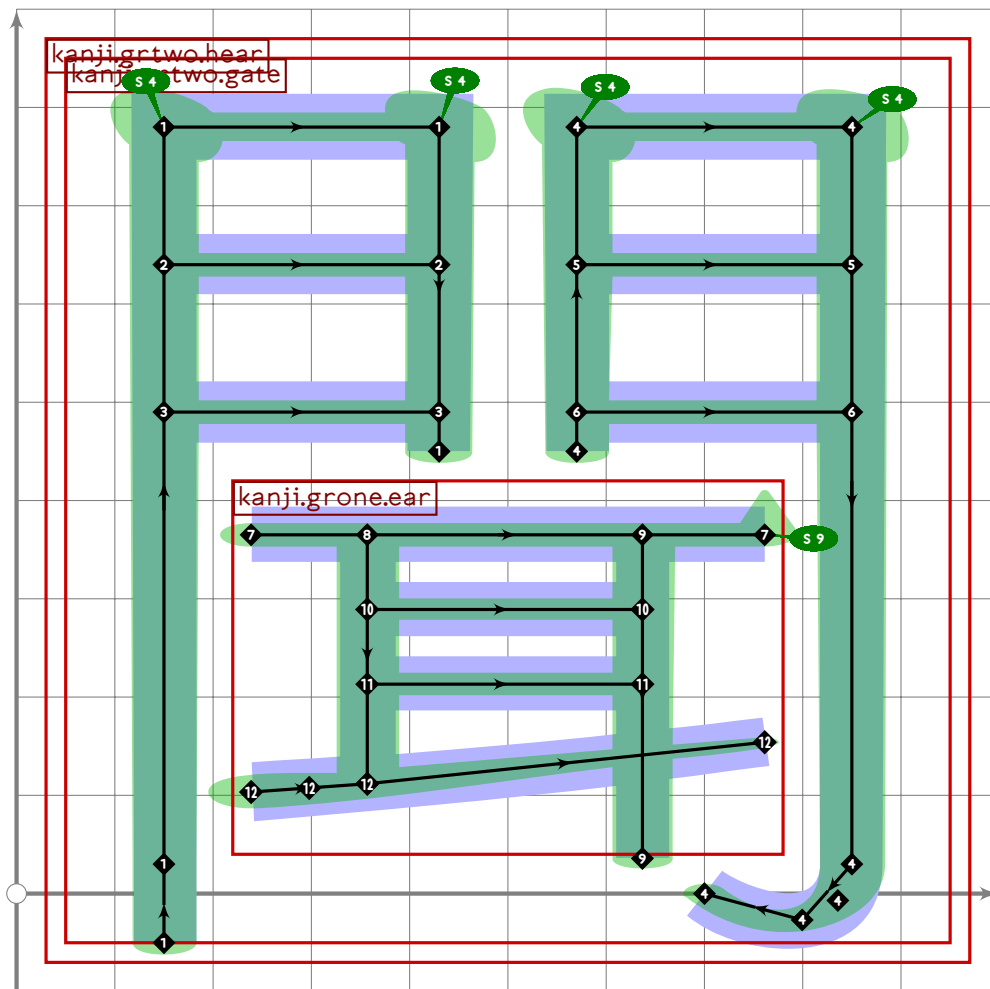


80

```

51
52 vardef kanji.grtwo.consider =
53   push_pbox_toexpand("kanji.grtwo.consider");
54   kanji.radical.old_man(
55     build_kanji.sscale(xyscaled (0.8,1.5) shifted (60,220))
56     (push_stroke((250,500)..tension 1.2..(550,520)..(780,550+30*mincho),
57       (1.5,1.5)–(1.5,1.5)–(1.9,1.9));
58     push_stroke((255,535–15*mincho)..tension 1.2..(220,350)..(170,240),
59       (1.7,1.7)–(1.6,1.6)–(1.6,1.6));
60     set_boserif(0,0,10);
61     push_stroke((get_stroke(0) intersectionpoint ((0,300)–(1000,300)))–
62       (820,300)..tension 1.7..(780,150)..(650,–10)..{curl 0.1}(450,0),
63       (1.6,1.6)–(1.6,1.6)–(1.5,1.5)–(1.7,1.7)–(1.8,1.8));
64     set_botip(0,1,1);
65     set_boserif(0,1,4));
66   expand_pbox;
67 enddef;

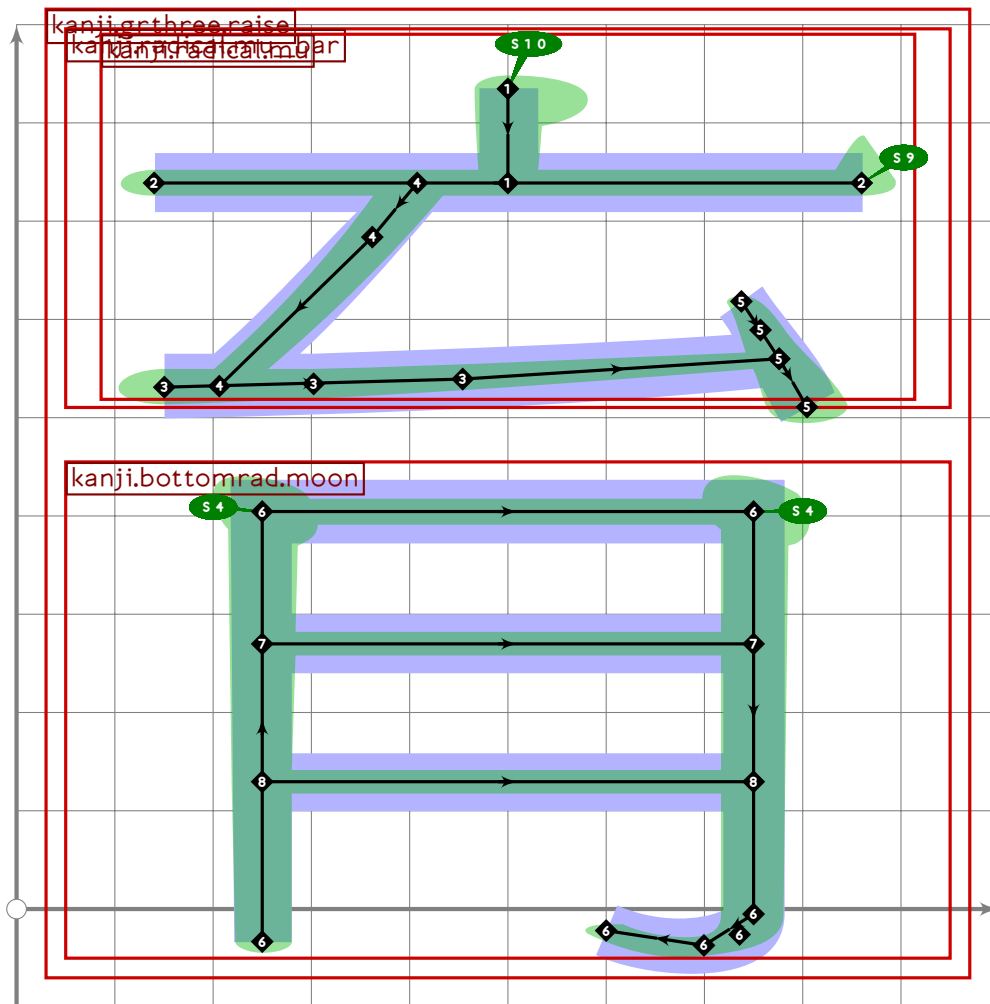
```



```

68
69 vardef kanji.grtwo.hear =
70   push_pbox_toexpand("kanji.grtwo.hear");
71   build_kanji.gate_enclose(kanji.grone.ear);
72   expand_pbox;
73 enddef;
74
75

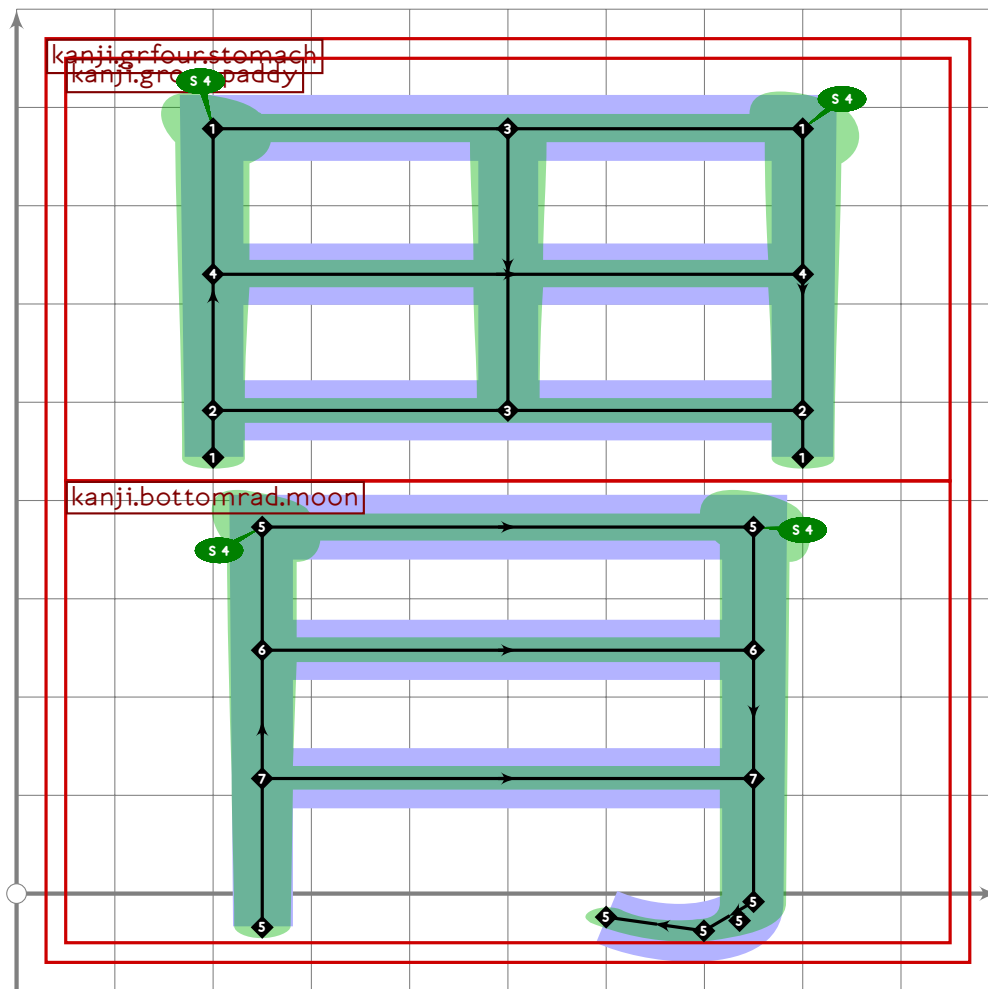
```



```

76
77 vardef kanji.grthree.raise =
78   push_pbox_toexpand("kanji.grthree.raise");
79   build_kanji.level(build_kanji.tb(480,-50)
80     (push_stroke((500,810)-(500,560),(1.6,1.6)-(1.5,1.5));
81     set_boserif(0,0,10);
82     tsu_xform(identity yscaled (560/780))(kanji.radical.mu_bar))
83     (kanji.bottomrad.moon));
84   expand_pbox;
85 enddef;
86
87

```

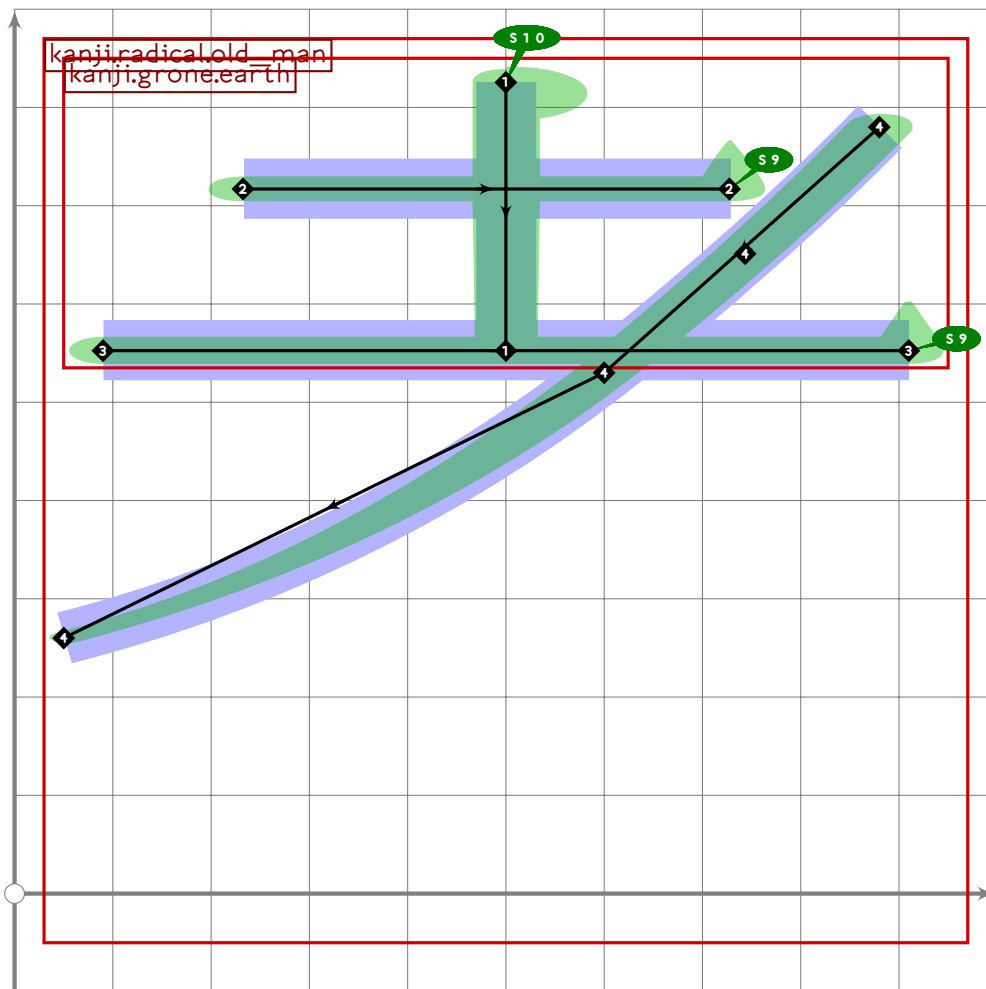


```

88
89 vardef kanji.grfour.stomach =
90   push_pbox_toexpand("kanji.grfour.stomach");
91   build_kanji.level(build_kanji.tb(420,0)
92     (kanji.grone.paddy)
93     (kanji.bottomrad.moon));
94   expand_pbox;
95 enddef;
96
97
98
99 % rou/o "old man"
100 begintsuglyph("uni8001";1);
101   kanji.grfour.old_man;
102   tsu_render;
103 endtsuglyph;
104

```

[see page 614]



```

105 % "old man without a spoon" radical
106 begintsuglyph("uni8002";2);
107   kanji.radical.old_man();
108   tsu_render;
109 endtsuglyph;
110
111 % kou/kanga "consider"
112 begintsuglyph("uni8003";3);
113   kanji.grtwo.consider;
114   tsu_render;
115 endtsuglyph;
116
117 % sha/mono "person" or "thing"
118 begintsuglyph("uni8005";5);
119   kanji.grthree.person;
120   tsu_render;
121 endtsuglyph;
122
123 % ken/mi "ear"
124 begintsuglyph("uni8033";51);
125   kanji.grone.ear;

```

[see page 2414]

[see page 581]

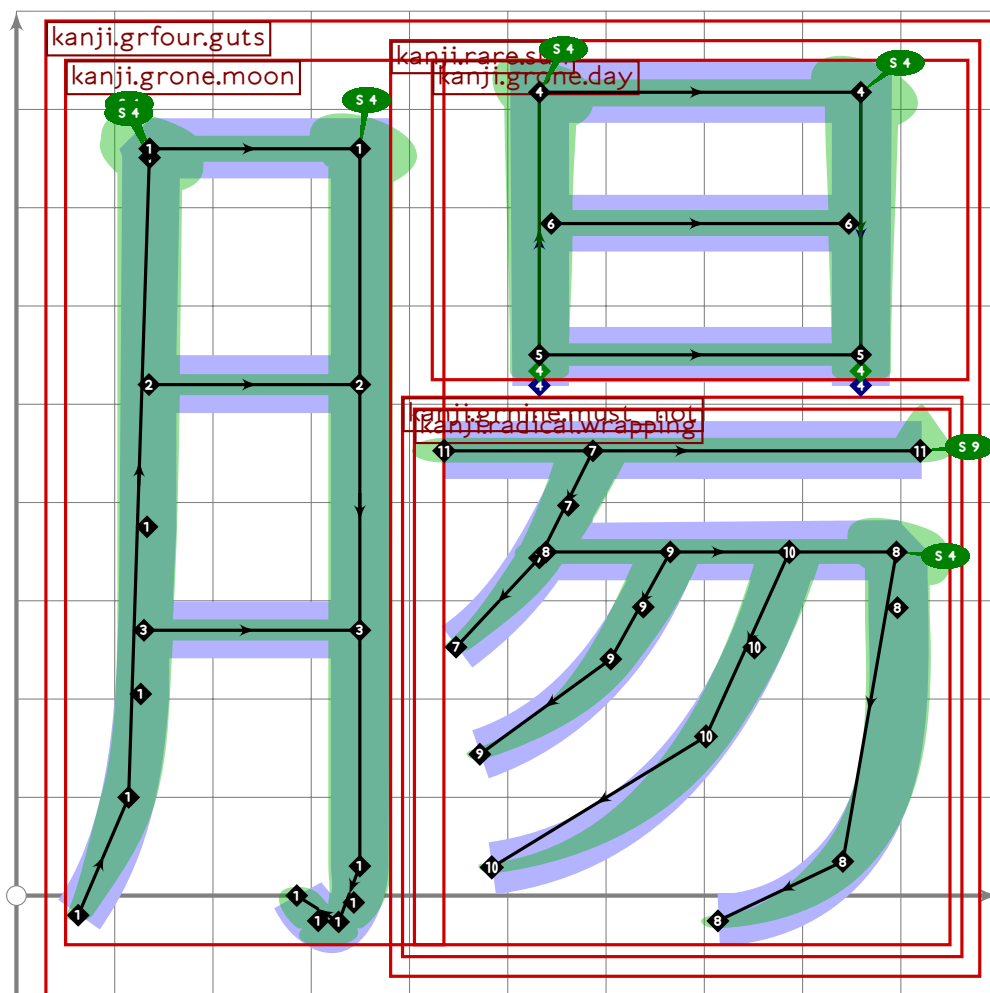
[see page 424]

126	tsu_render;	
127	endtsuglyph;	
128		
129	% bun/ki "hear"	
130	begintsuglyph("uni805E";94);	[see page 2415]
131	kanji.grtwo.hear;	
132	tsu_render;	
133	endtsuglyph;	
134		
135	% brush radical	
136	begintsuglyph("uni807F";127);	[see page 658]
137	kanji.radical.brush;	
138	tsu_render;	
139	endtsuglyph;	
140		
141	% niku "meat"	
142	begintsuglyph("uni8089";137);	[see page 517]
143	kanji.grtwo.meat;	
144	tsu_render;	
145	endtsuglyph;	
146		
147	% shou/ayaka "resemblance"	
148	begintsuglyph("uni8096";150);	[see page 724]
149	kanji.greight.resemblance;	
150	tsu_render;	
151	endtsuglyph;	
152		
153	% iku/soda "raise"	
154	begintsuglyph("uni80B2";178);	[see page 2416]
155	kanji.grthree.raise;	
156	tsu_render;	
157	endtsuglyph;	
158		
159	% i "stomach"	
160	begintsuglyph("uni80C3";195);	[see page 2417]
161	kanji.grfour.stomach;	
162	tsu_render;	
163	endtsuglyph;	
164		
165	% ko/nanzo "barbarian"	
166	begintsuglyph("uni80E1";225);	[see page 735]
167	kanji.grnine.barbarian;	
168	tsu_render;	
169	endtsuglyph;	
170		
171	% nou/yo "talent"	
172	begintsuglyph("uni80FD";253);	[see page 629]
173	kanji.grfive.talent;	

```
174  tsu_render;  
175  endtsuglyph;  
176  
177  _____  
178  
179  endfont;  
180  
181  _____
```

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 gradenine.mp;
38 input gradeone.mp;
39 input gradesix.mp;
40 input gradetwo.mp;
41 input radical.mp;
42 input rare.mp;
43
44 do_late_includes;
45
46
```

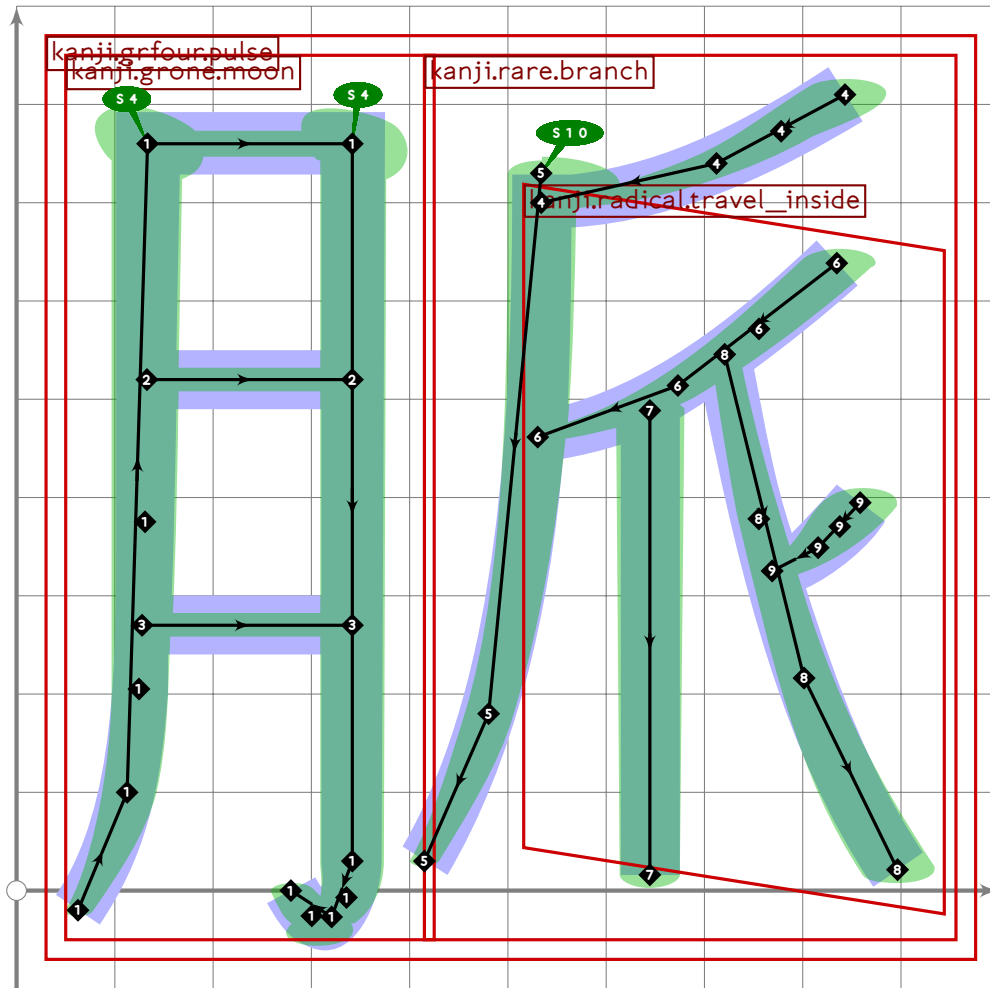


81

```

47
48 vardef kanji.grfour.guts =
49   push_pbox_toexpand("kanji.grfour.guts");
50   build_kanji.level(build_kanji.lr(420,30)
51     (kanji.grone.moon)
52     (kanji.rare.sun));
53   expand_pbox;
54 enddef;

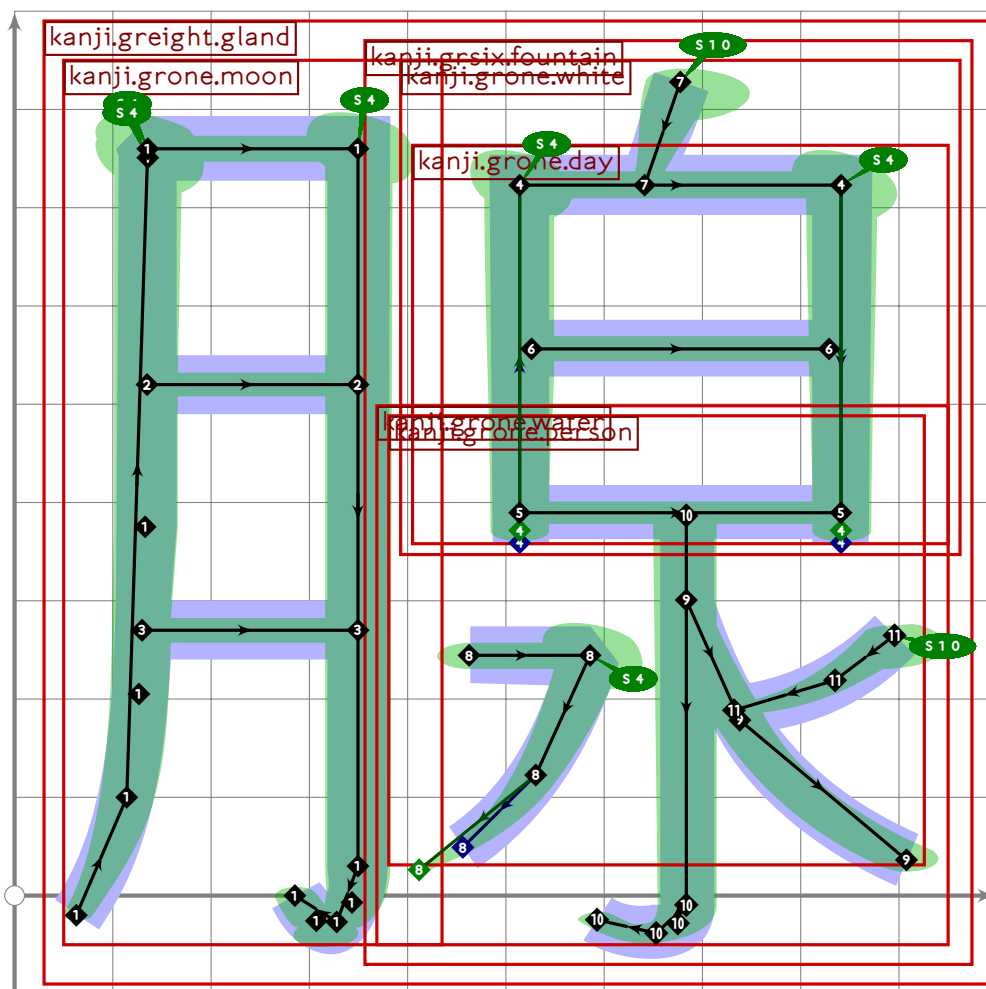
```



```

55
56 vardef kanji.grfour.pulse =
57   push_pbox_toexpand("kanji.grfour.pulse");
58   build_kanji.level(build_kanji.lr(420,10)
59     (kanji.grone.moon)
60     (kanji.rare.branch));
61   expand_pbox;
62 enddef;
63
64

```



```

65
66 vardef kanji.greight.gland =
67   push_pbox_toexpand("kanji.greight.gland");
68   build_kanji.lr(420,30)
69   (kanji.grone.moon)
70   (kanji.grsix.fountain);
71   expand_pbox;
72 enddef;
73
74
75
76 % myaku/suji "pulse"
77 begintsuglyph("uni8108";8);
78 kanji.grfour.pulse;
79 tsu_render;
80 endtsuglyph;
81
82 % chou/harawata "guts"
83 begintsuglyph("uni8178";120);
84 kanji.grfour.guts;
85 tsu_render;

```

[see page 2423]

[see page 2422]

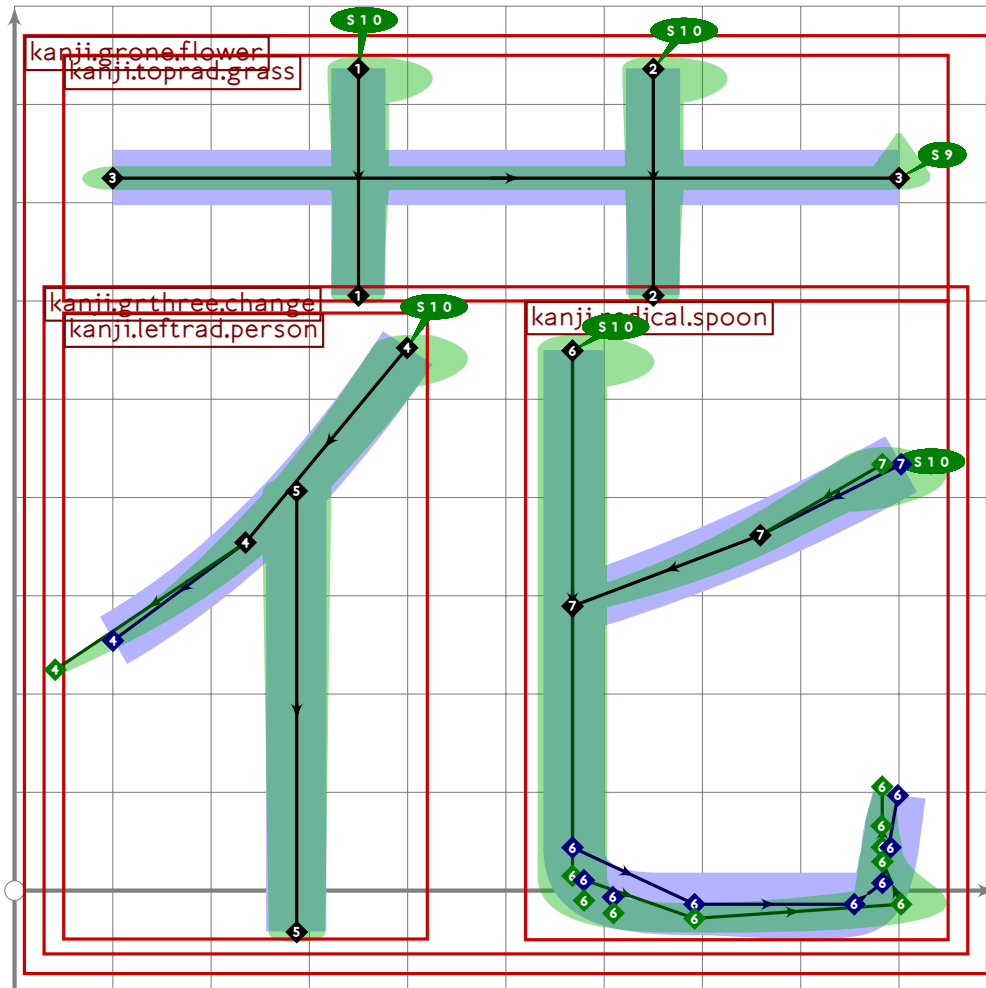
```

86 endtsuglyph;
87
88 % sen "gland"
89 begintsuglyph("uni817A";122); [see page 2424]
90 kanji.greight.gland;
91 tsu_render;
92 endtsuglyph;
93
94 % ji as in jibun "self"
95 begintsuglyph("uni81EA";234); [see page 536]
96 kanji.grtwo.self;
97 tsu_render;
98 endtsuglyph;
99
100 % shi/ita "climax"
101 begintsuglyph("uni81F3";243); [see page 633]
102 kanji.grsix.climax;
103 tsu_render;
104 endtsuglyph;
105
106 _____
107
108 endfont;
109
110 _____

```

tsuku-82.mp

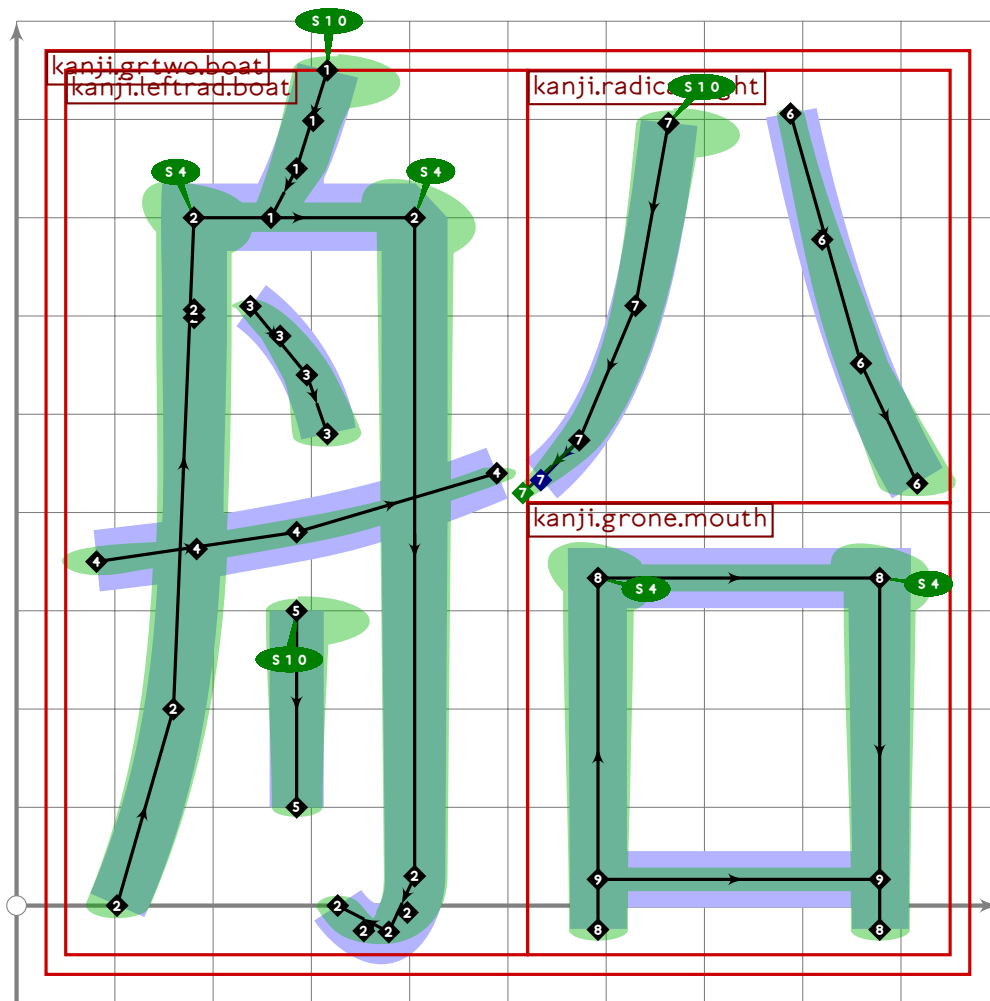
```
1 %
2 % Unicode page 82 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 _____
32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradeeight.mp;
38 input gradefive.mp;
39 input gradefour.mp;
40 input gradenine.mp;
41 input gradeone.mp;
42 input gradethree.mp;
43 input gradetwo.mp;
44 input leftrad.mp;
45 input radical.mp;
46 input rare.mp;
47 input toprad.mp;
48
49 do_late_includes;
50
51 _____
```



```

52
53 vardef kanji.grone.flower =
54   push_pbox_toexpand("kanji.grone.flower");
55   build_kanji.tb(600,0)
56     (kanji.toprad.grass)
57     (kanji.grthree.change);
58   expand_pbox;
59 enddef;
60
61

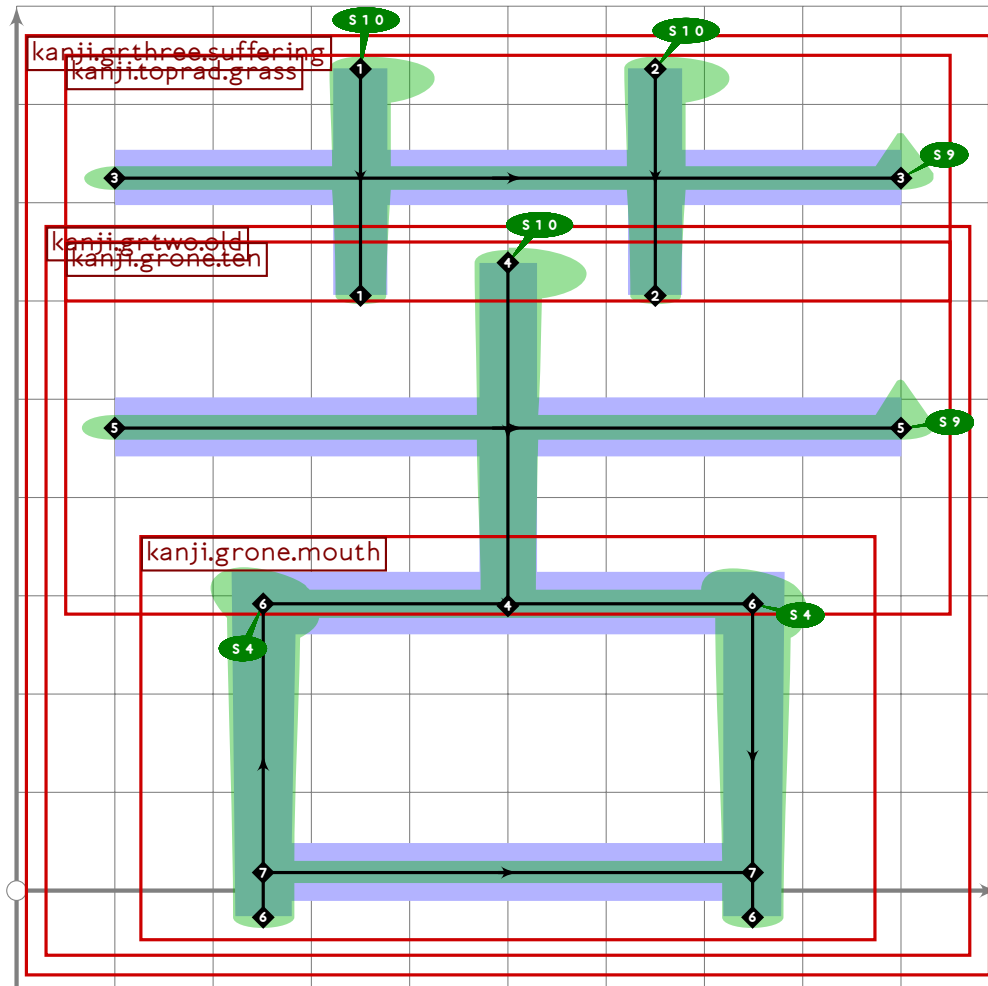
```



```

62
63 vardef kanji.grtwo.boat =
64   push_pbox__toexpand("kanji.grtwo.boat");
65   build_kanji.lr(520,0)
66     (kanji.leftrad.boat)
67     (build_kanji.level(build_kanji.tb(410,0)
68       (kanji.radical.eight)
69       (kanji.grone.mouth)));
70   expand_pbox;
71 enddef;
72
73

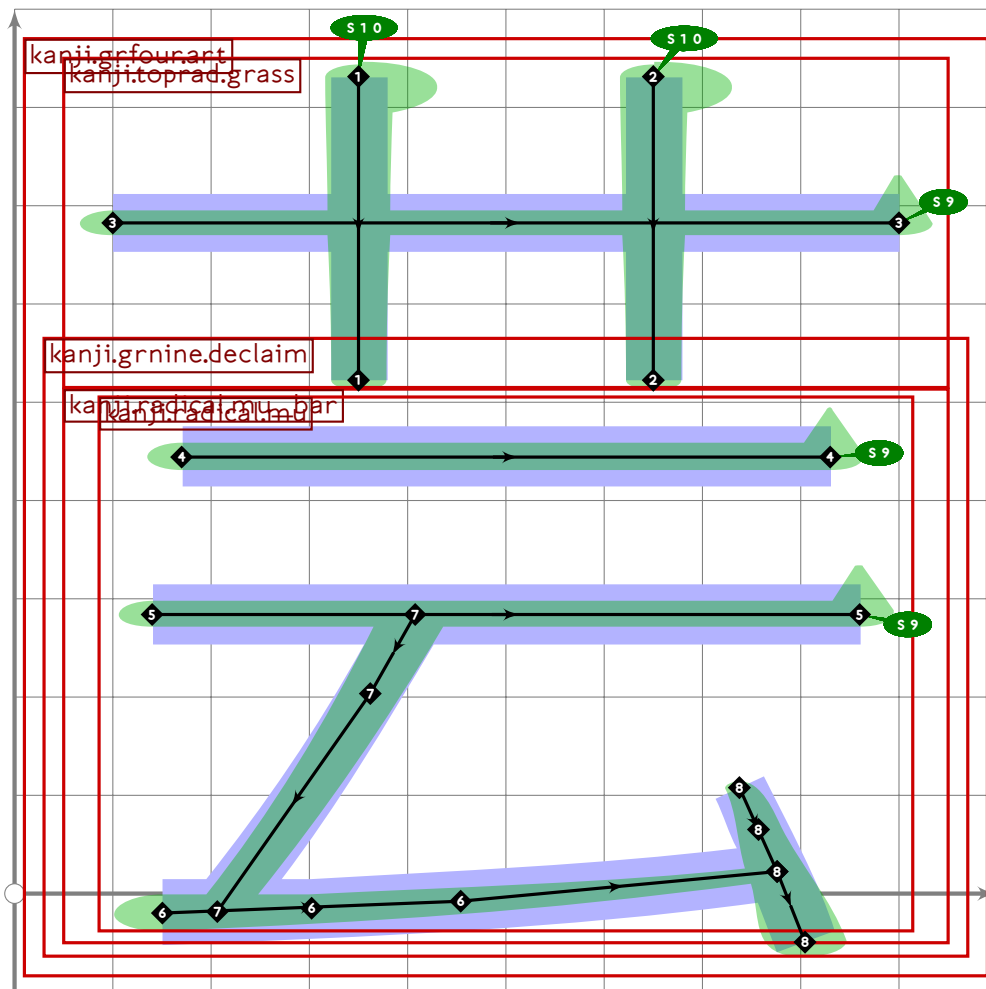
```



```

74
75 vardef kanji.grthree.suffering =
76   push_pbox_toexpand("kanji.grthree.suffering");
77   build_kanji.tb(630,60)
78     (kanji.toprad.grass)
79     (kanji.grtwo.old);
80   expand_pbox;
81 enddef;
82
83

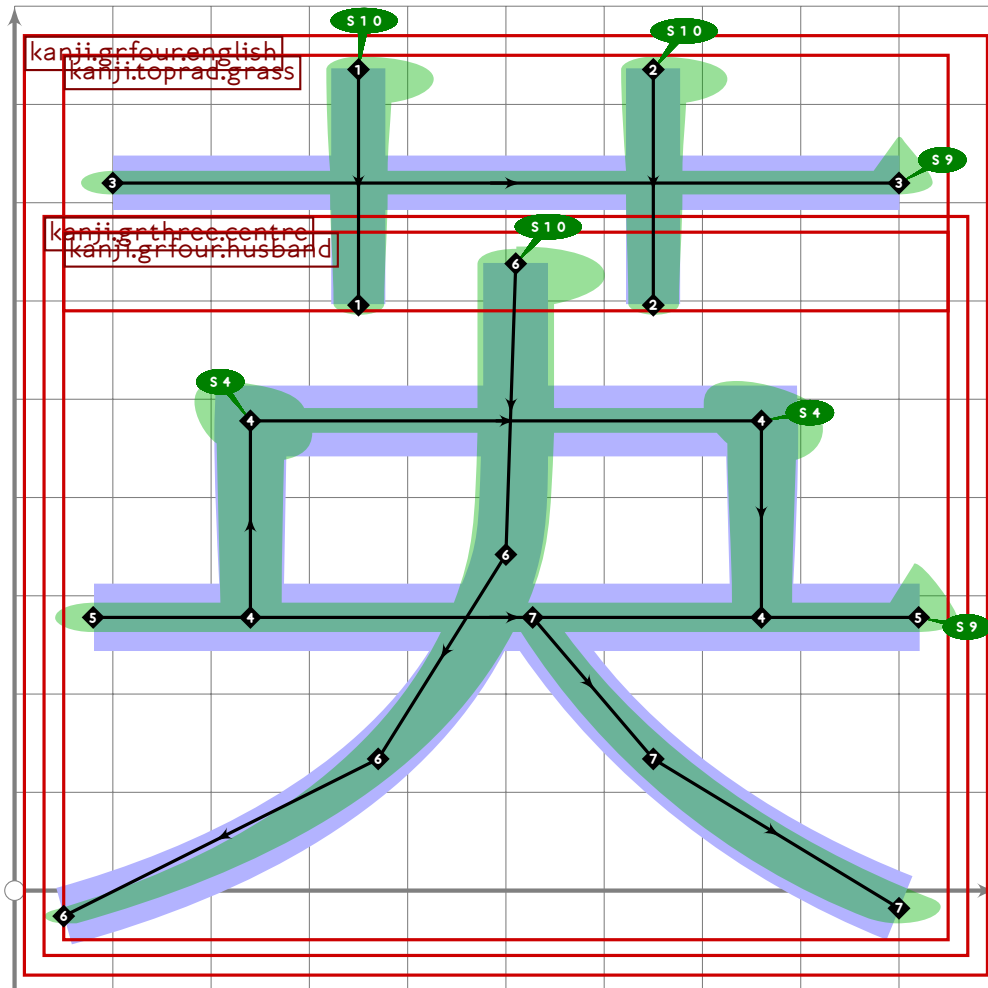
```



```

84
85 vardef kanji.grfour.art =
86   push_pbox_toexpand("kanji.grfour.art");
87   build_kanji.tb(540,50)
88     (kanji.toprad.grass)
89     (kanji.grnine.declaim);
90   expand_pbox;
91 enddef;

```

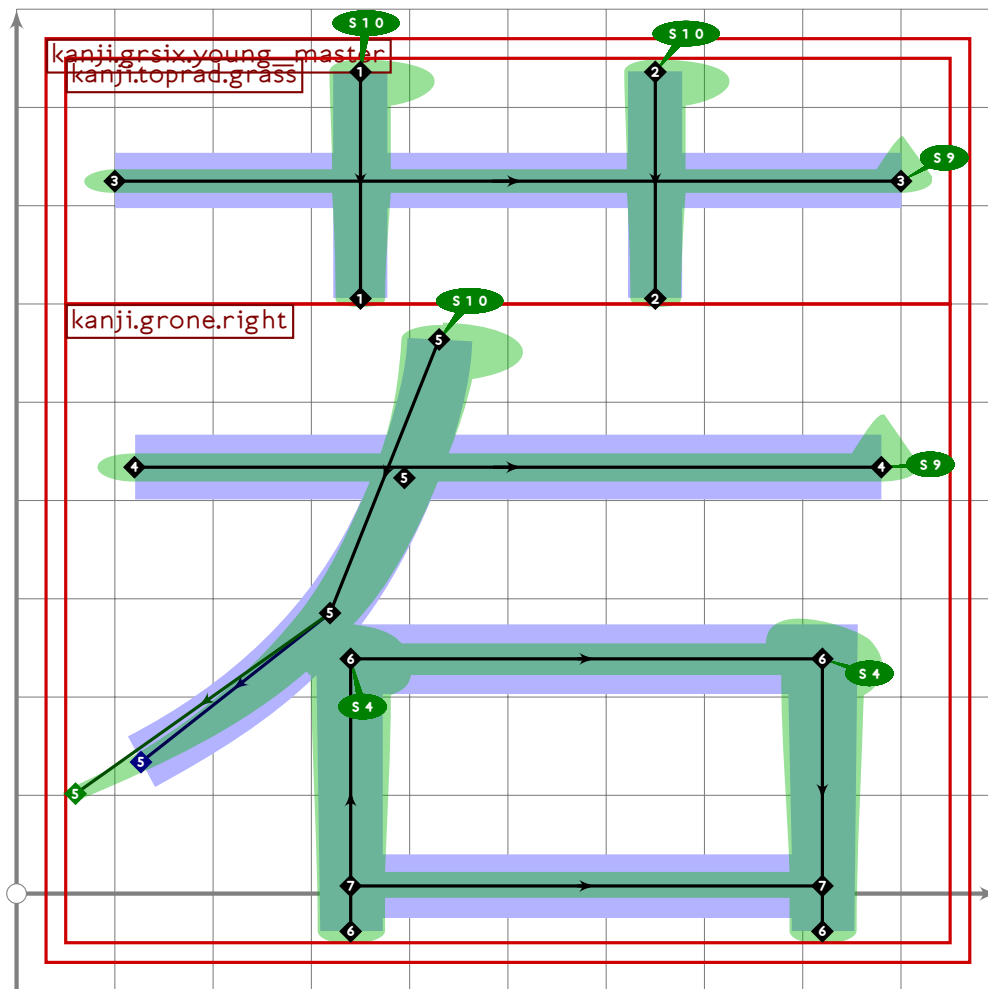


```

92
93 vardef kanji.grfour.english =
94   push_pbox_toexpand("kanji.grfour.english");
95   build_kanji.tb(630,80)
96     (kanji.toprad.grass)
97     (kanji.grthree.centre);
98   expand_pbox;
99 enddef;
100
101

```

U+82E5
tsuku.uni82E5



```

102
103 vardef kanji.grsix.young_master =
104   push_pbox_toexpand("kanji.grsix.young_master");
105   build_kanji.tb(600,0)
106     (kanji.toprad.grass)
107     (kanji.grone.right);
108   expand_pbox;
109 enddef;
110
111
112
113 % zetsu/shita "tongue"
114 beginsuglyph("uni820C";12);
115   kanji.grfive.tongue;
116   tsu_render;
117 endtsuglyph;
118
119 % shuu/fune "boat"
120 beginsuglyph("uni821F";31);
121   kanji.greight.boat;
122   tsu_render;

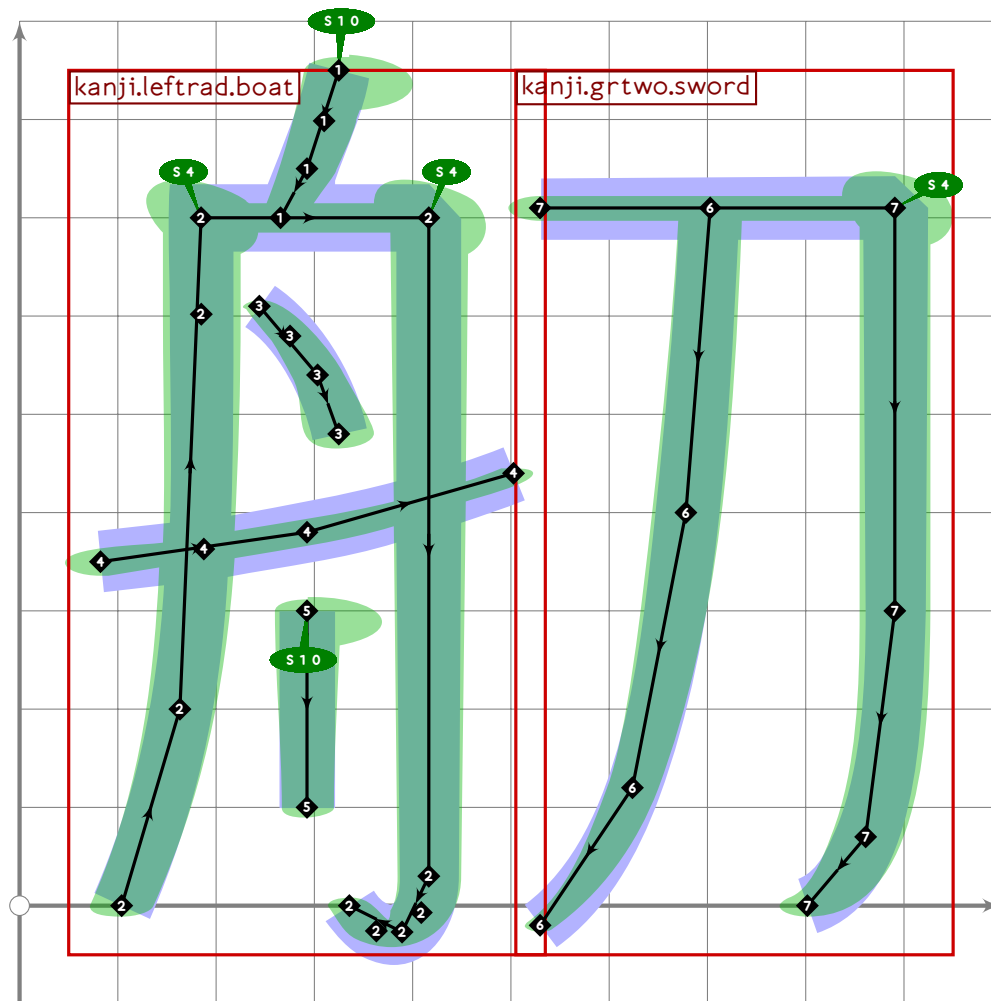
```

[see page 630]

[see page 701]

123 endtsuglyph;

124



125 % extra

126 begintsuglyph("uni8220";32);

127 build_kanji.lr(520,30)

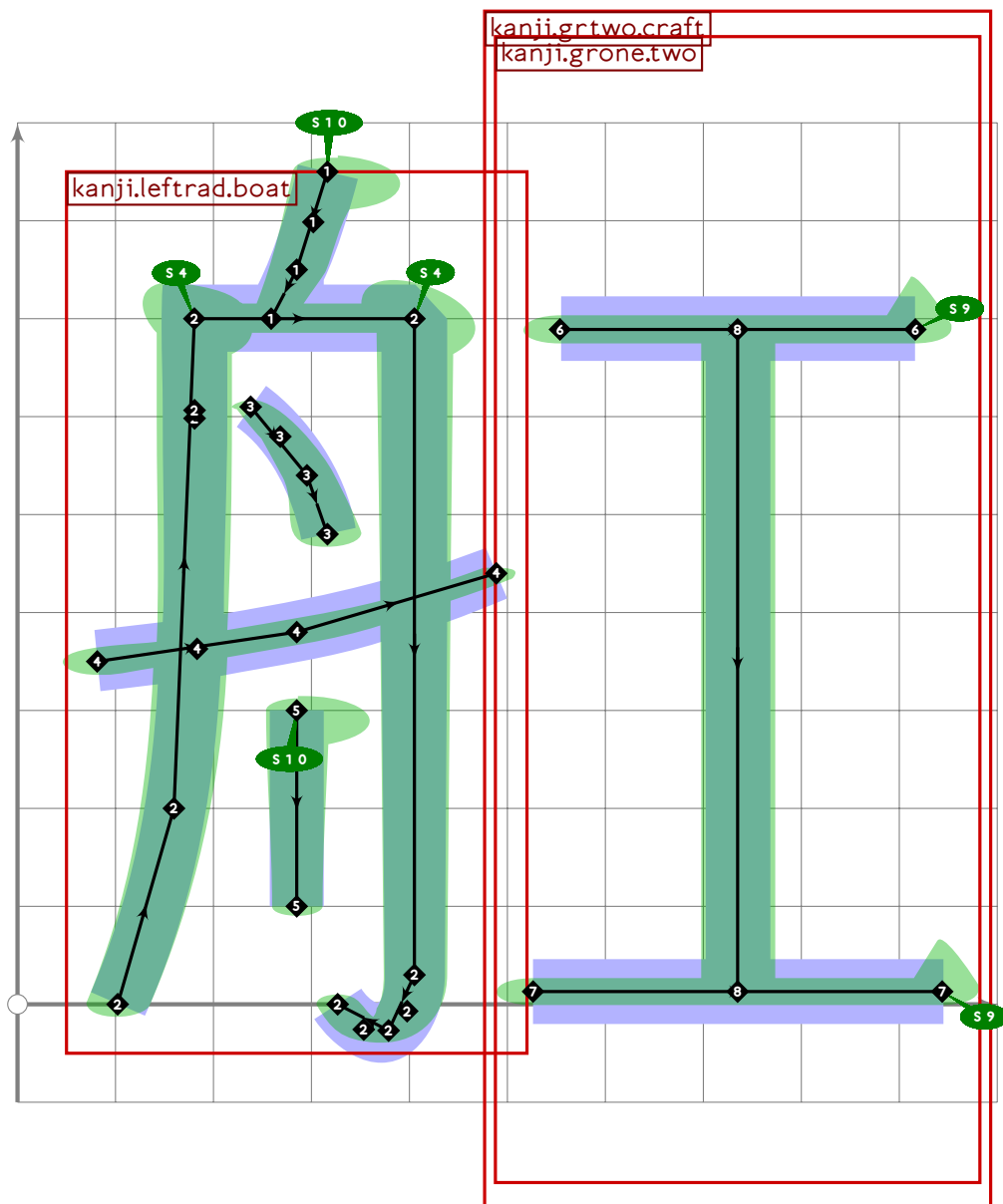
128 (kanji.leftrad.boat)

129 (kanji.grtwo.sword);

130 tsu_render;

131 endtsuglyph;

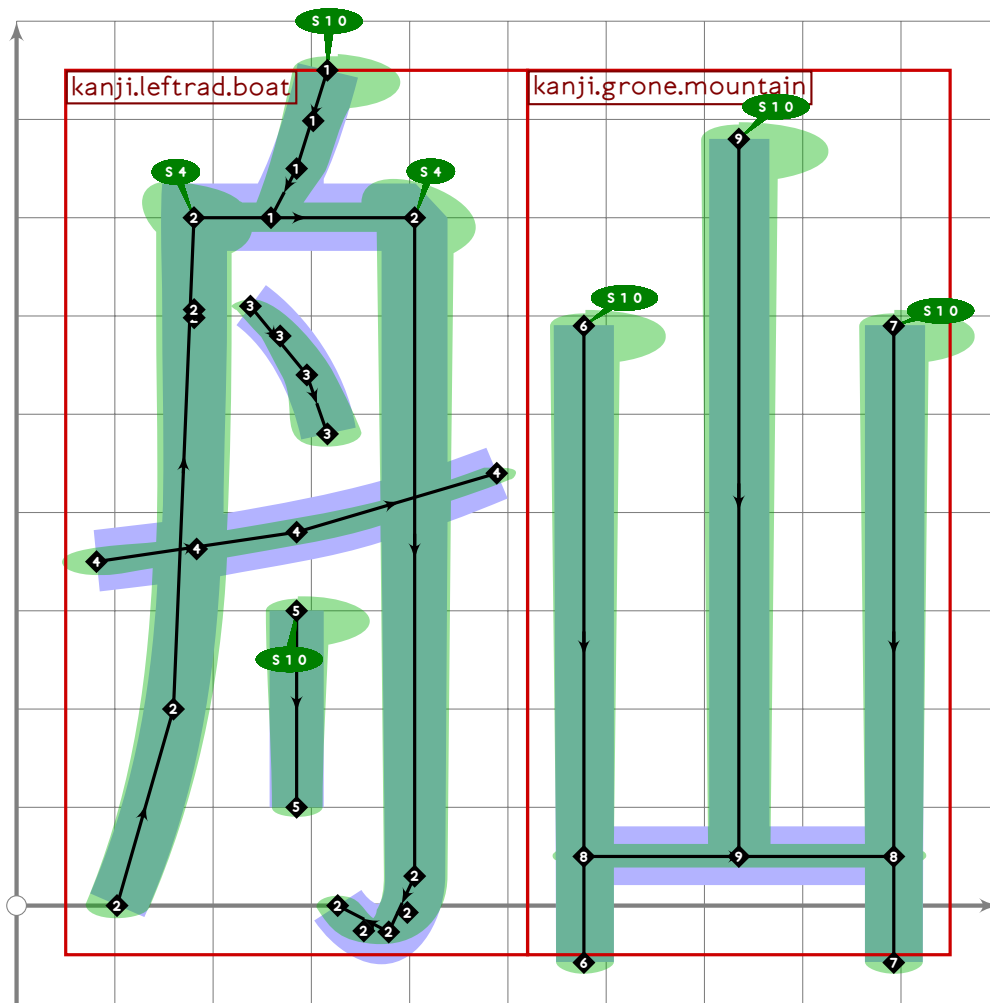
132



```

133 % extra: boat
134 begintsuglyph("uni8221";33);
135 build_kanji.lr(520,0)
136   (kanji.leftrad.boat)
137   (build_kanji.sscale(xyscaled (1.15,1.3))(kanji.grtwo.craft));
138 tsu_render;
139 endtsuglyph;
140

```

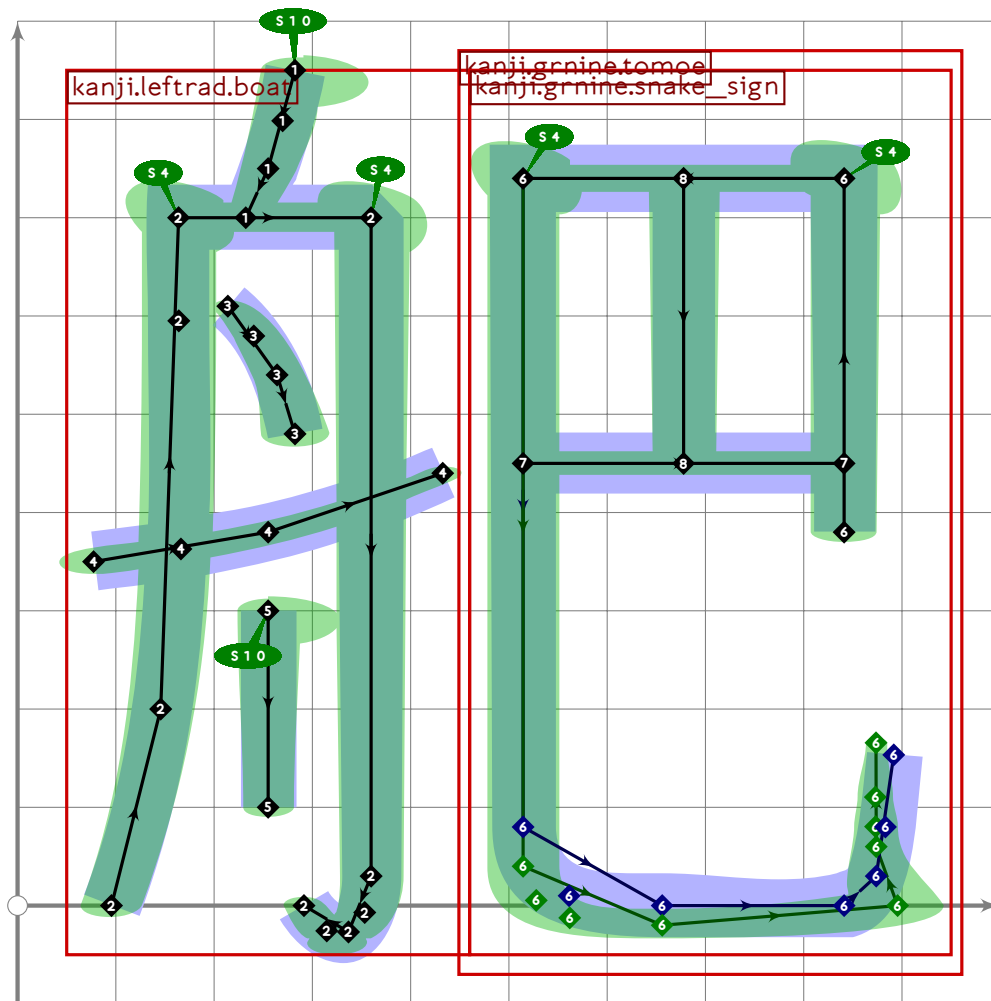


```

141 % extra: "English" meaning is "sampan"
142 begintsuglyph("uni8222";34);
143   build_kanji.lr(520,0)
144     (kanji.leftrad.boat)
145     (kanji.grone.mountain);
146   tsu_render;
147 endtsuglyph;
148

```

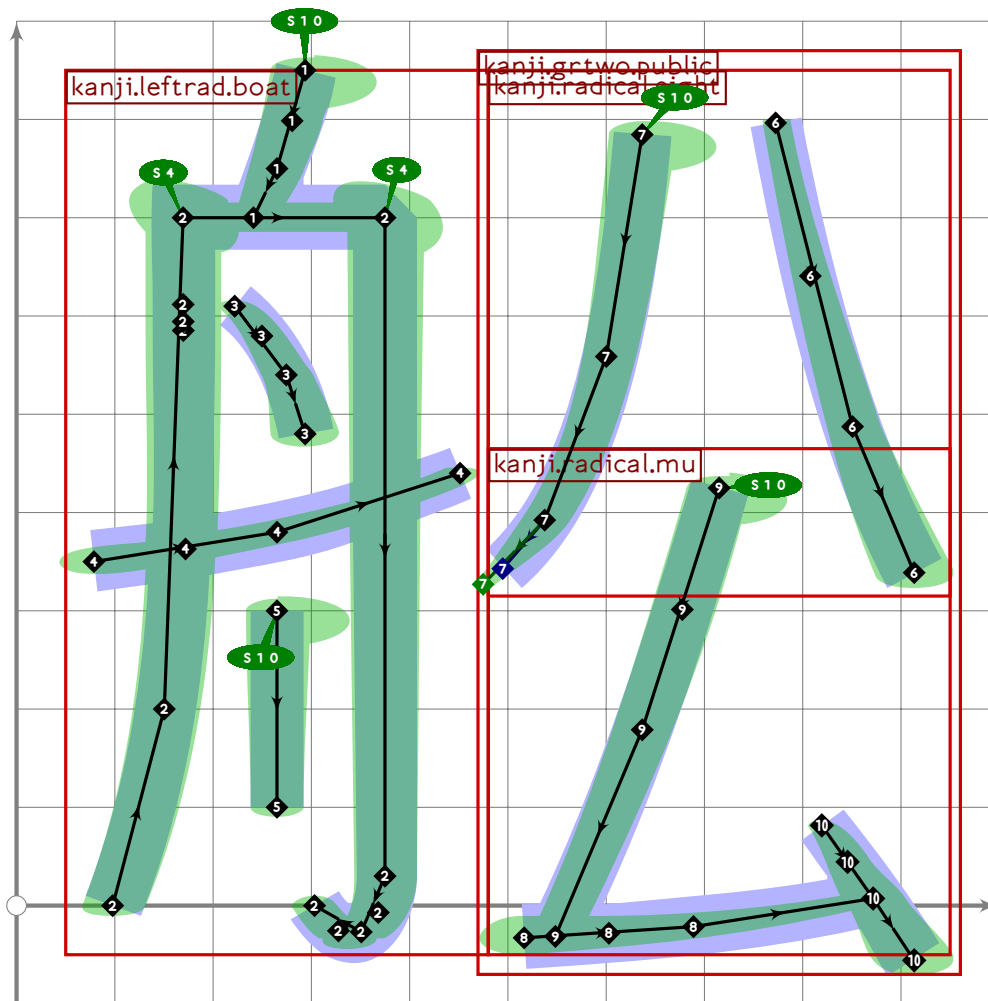
U+8225
tsuku.uni8225



```

149 % extra
150 begintsuglyph("uni8225";37);
151   build_kanji.lr(460,0)
152     (kanji.leftrad.boat)
153     (kanji.grnine.tomoe);
154   tsu_render;
155 endtsuglyph;
156

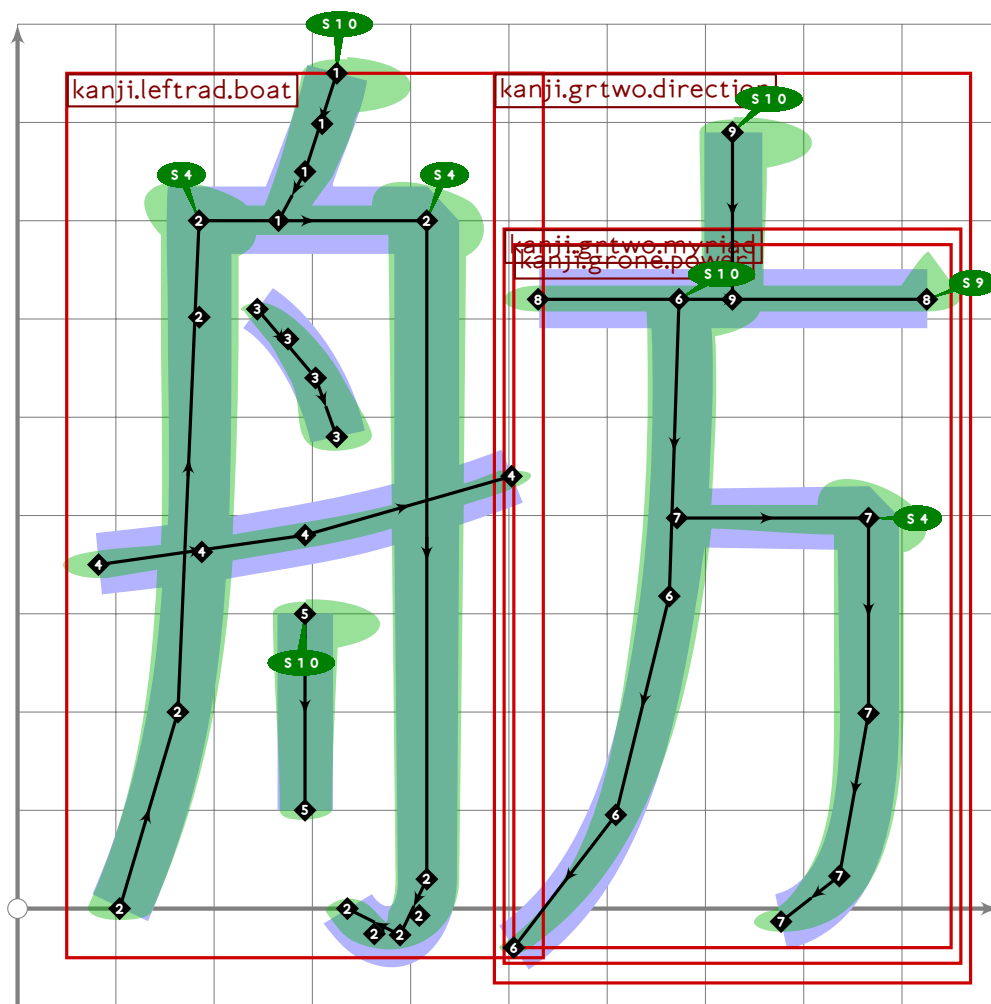
```



```

157 % extra: boat
158 begintsuglyph("uni8229";41);
159   build_kanji.lr(480,0)
160     (kanji.leftrad.boat)
161     (kanji.grtwo.public);
162   tsu_render;
163 endtsuglyph;
164

```



```

165 % extra: moor/berth
166 begintsuglyph("uni822B";43);
167   build_kanji.lr(520,30)
168     (kanji.leftrad.boat)
169     (kanji.grtwo.direction);
170   tsu_render;
171 endtsuglyph;
172
173 % sen/fune "boat"
174 begintsuglyph("uni8239";57);
175   kanji.grtwo.boat;
176   tsu_render;
177 endtsuglyph;
178
179 % kon/ushitora "northeast"
180 begintsuglyph("uni826E";110);
181   kanji.radical.northeast;
182   tsu_render;
183 endtsuglyph;
184
185 % ryou/yo "good"

```

[see page 2428]

[see page 673]

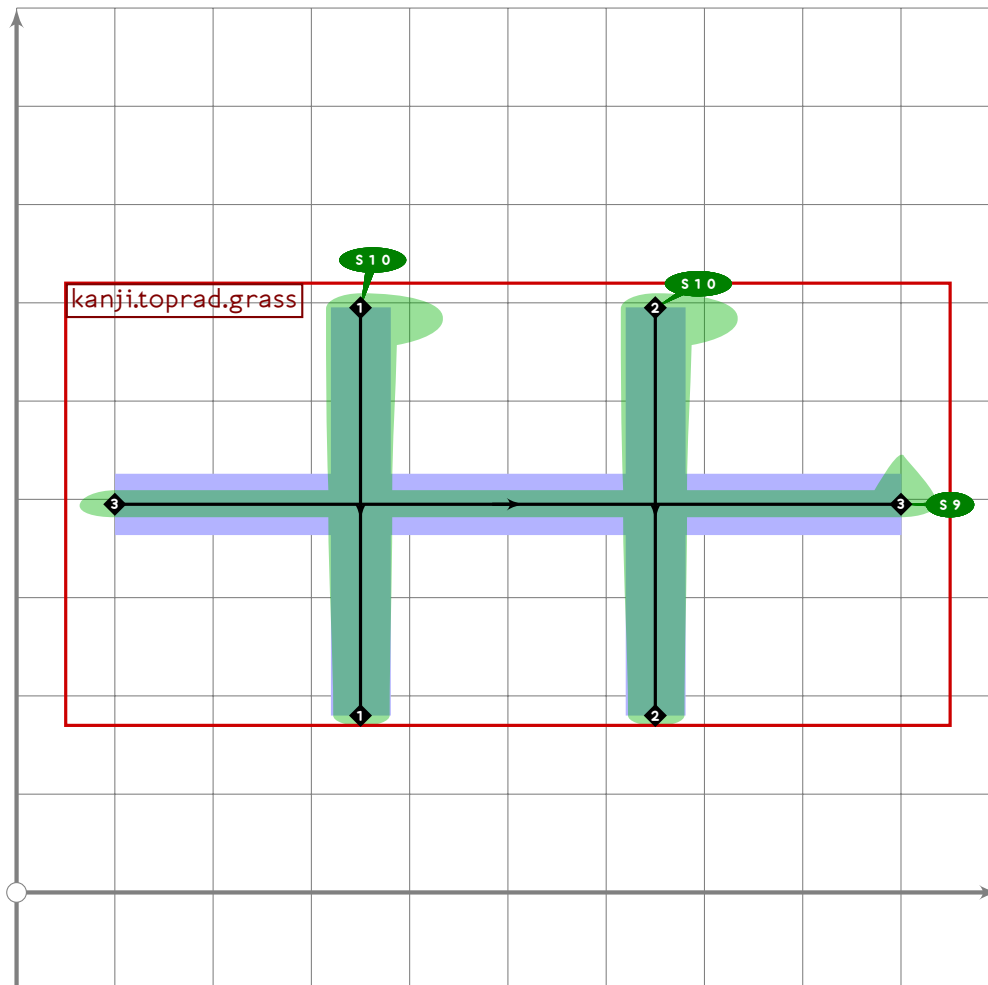
```

186 begintsuglyph("uni826F";111);
187   kanji.grfour.good;
188   tsu_render;
189 endtsuglyph;
190
191 % shoku/iro "colour"
192 begintsuglyph("uni8272";114);
193   kanji.grtwo.colour;
194   tsu_render;
195 endtsuglyph;
196

```

[see page 607]

[see page 485]

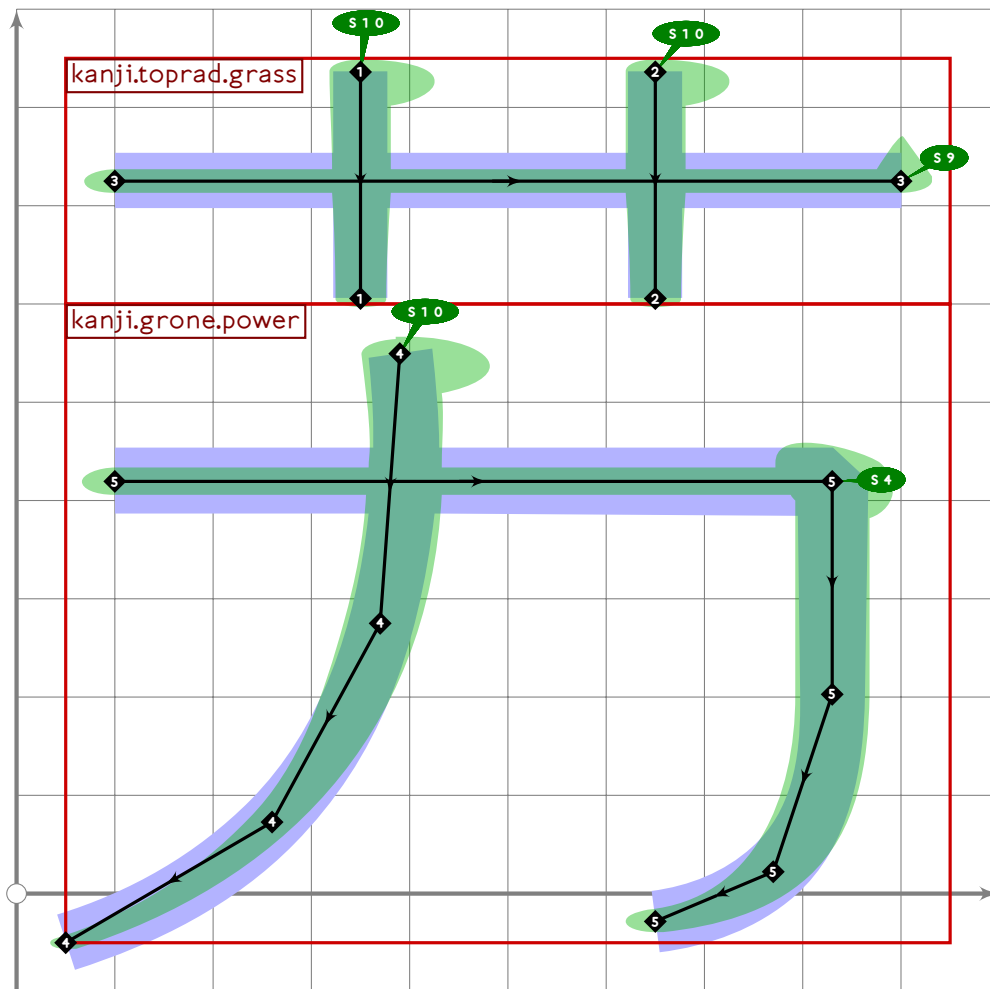


```

197 % extra "naked grass radical"
198 begintsuglyph("uni8279";121);
199   build_kanji.sscale(yscaled 0.5)(kanji.toprad.grass);
200   tsu_render;
201 endtsuglyph;
202

```

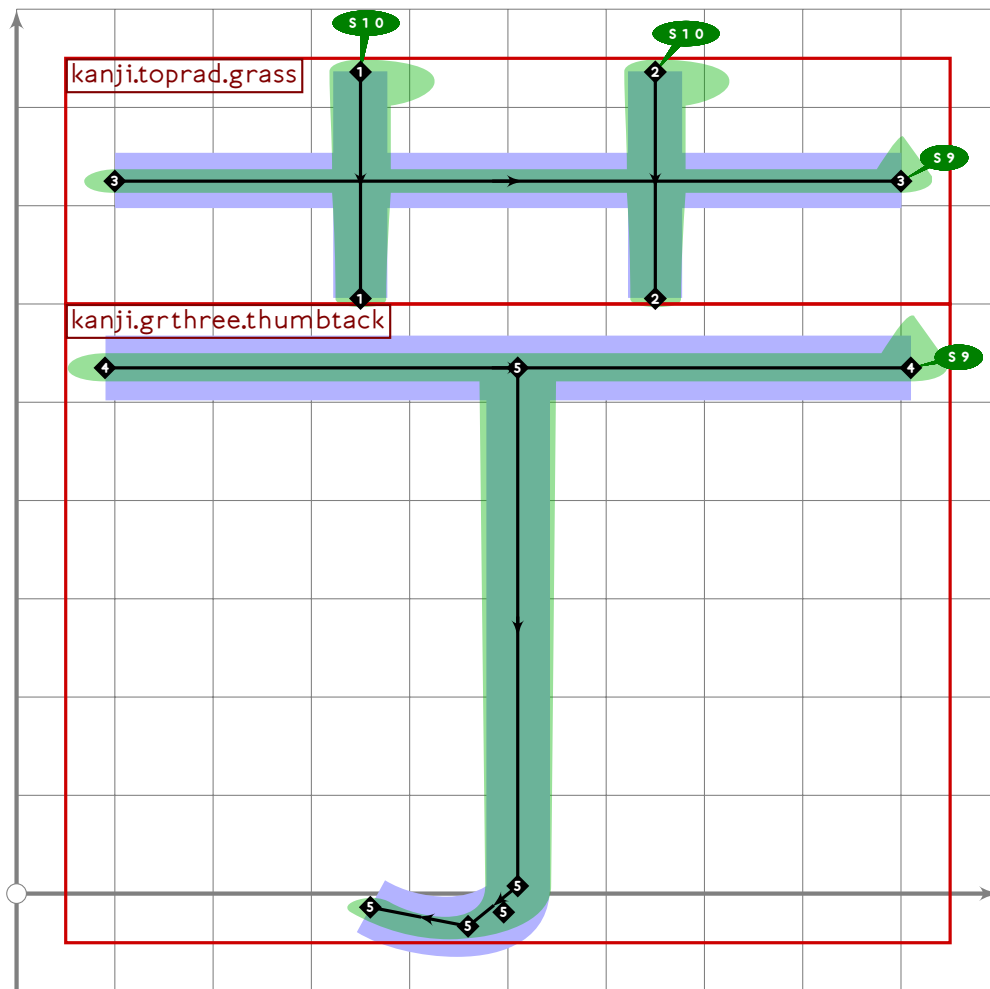
U+827B
tsuku.uni827B



```

203 % extra
204 begintsuglyph("uni827B";123);
205   build_kanji.tb(600,0)
206     (kanji.toprad.grass)
207     (kanji.grone.power);
208   tsu_render;
209 endtsuglyph;
210

```

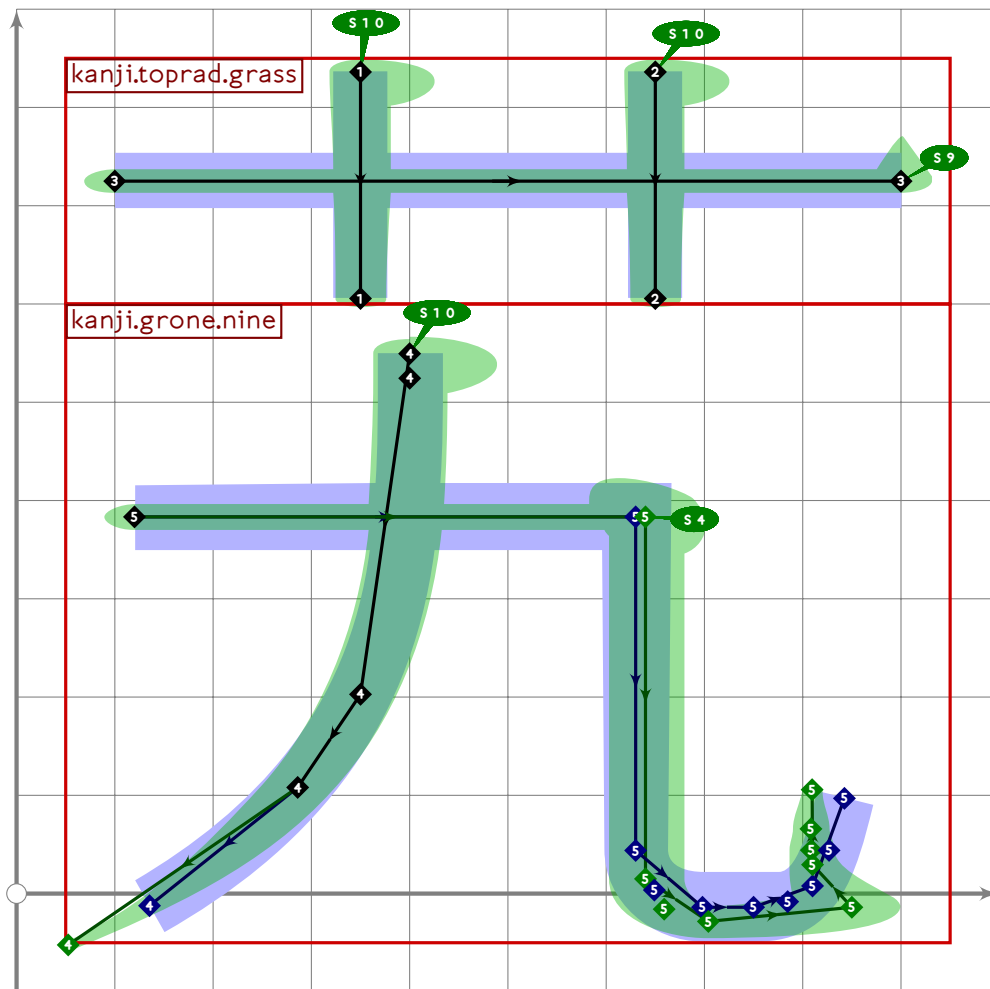


```

211 % extra
212 begintsuglyph("uni827C";124);
213   build_kanji.tb(600,0)
214     (kanji.toprad.grass)
215     (kanji.grthree.thumbtack);
216   tsu_render;
217 endtsuglyph;
218

```

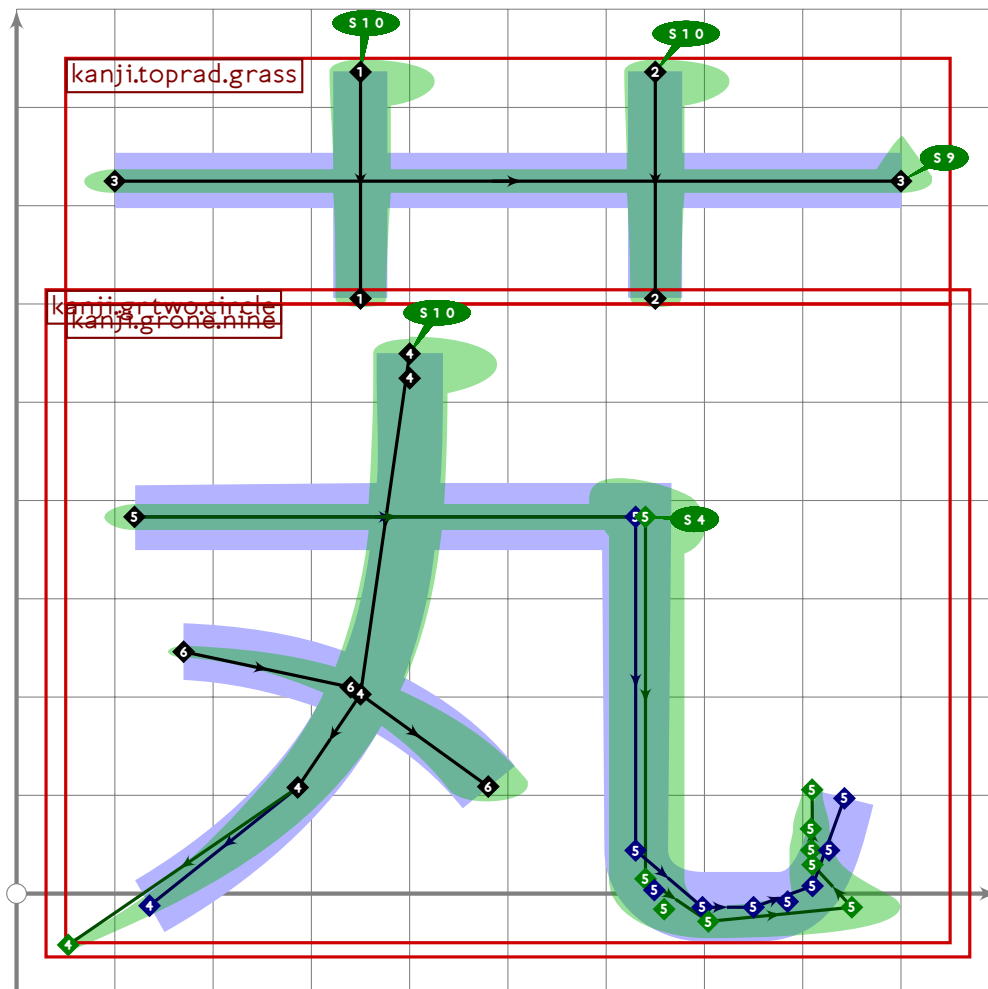
U+827D
tsuku.uni827D



```

219 % extra
220 begintsuglyph("uni827D";125);
221   build_kanji.tb(600,0)
222     (kanji.toprad.grass)
223     (kanji.grone.nine);
224   tsu_render;
225 endtsuglyph;
226

```

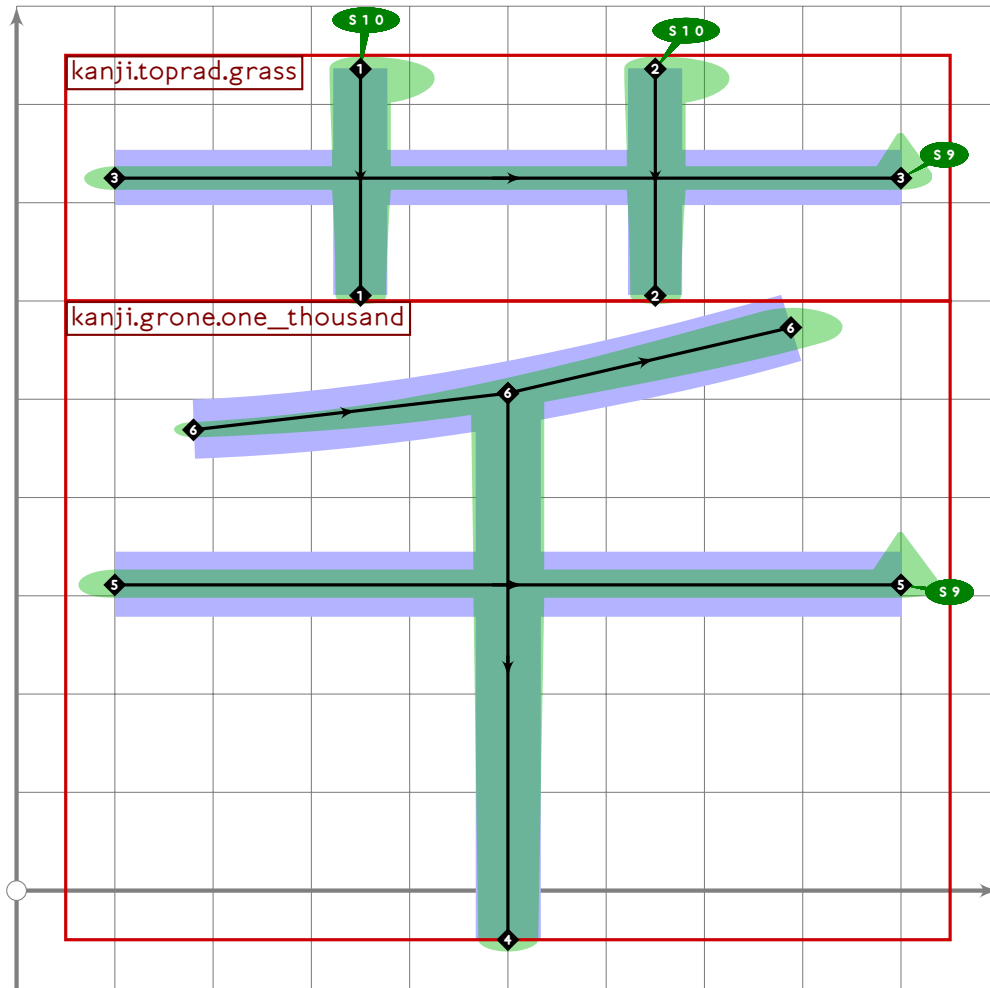


```

227 % extra
228 begintsuglyph("uni8284",132);
229   build_kanji.tb(600,0)
230     (kanji.toprad.grass)
231     (kanji.grtwo.circle);
232   tsu_render;
233 endtsuglyph;
234

```

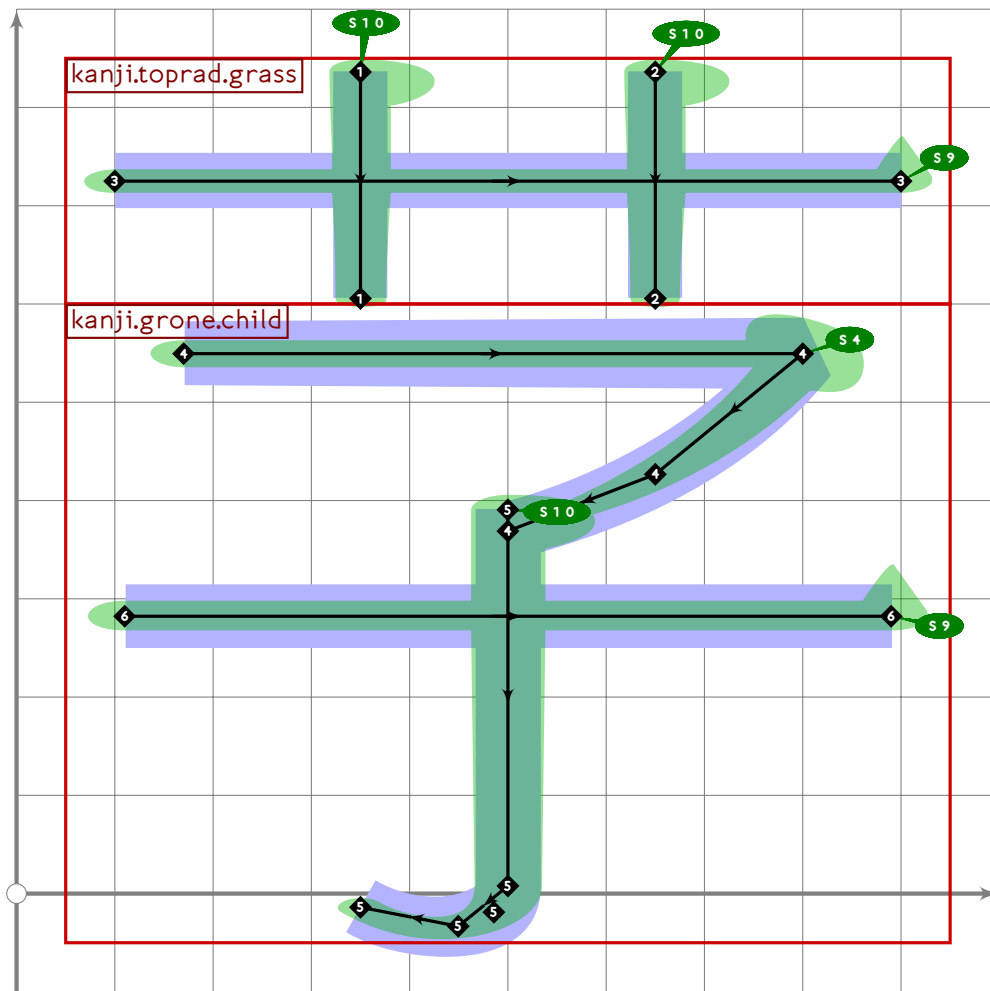
U+828A
tsuku.uni828A



```

235 % extra
236 begintsuglyph("uni828A";138);
237   build_kanji.tb(600,0)
238     (kanji.toprad.grass)
239     (kanji.grone.one_thousand);
240   tsu_render;
241 endtsuglyph;
242

```

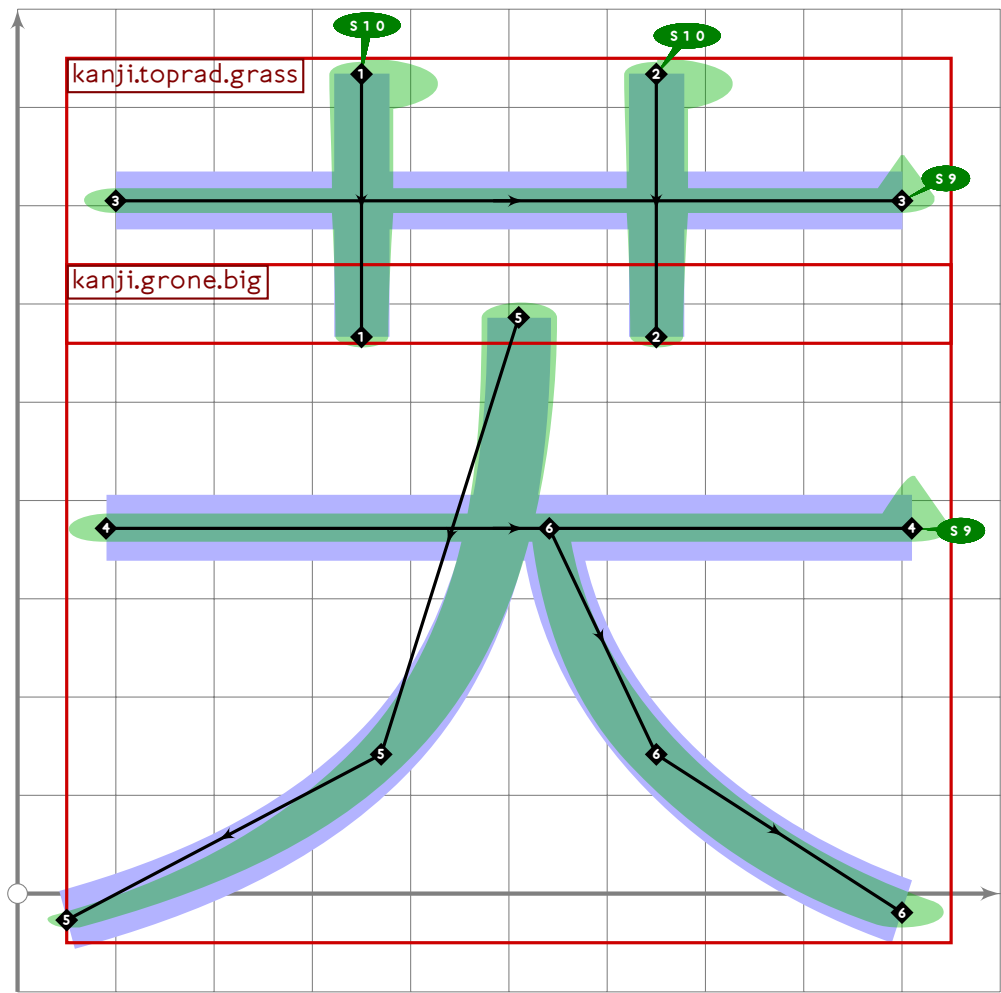


```

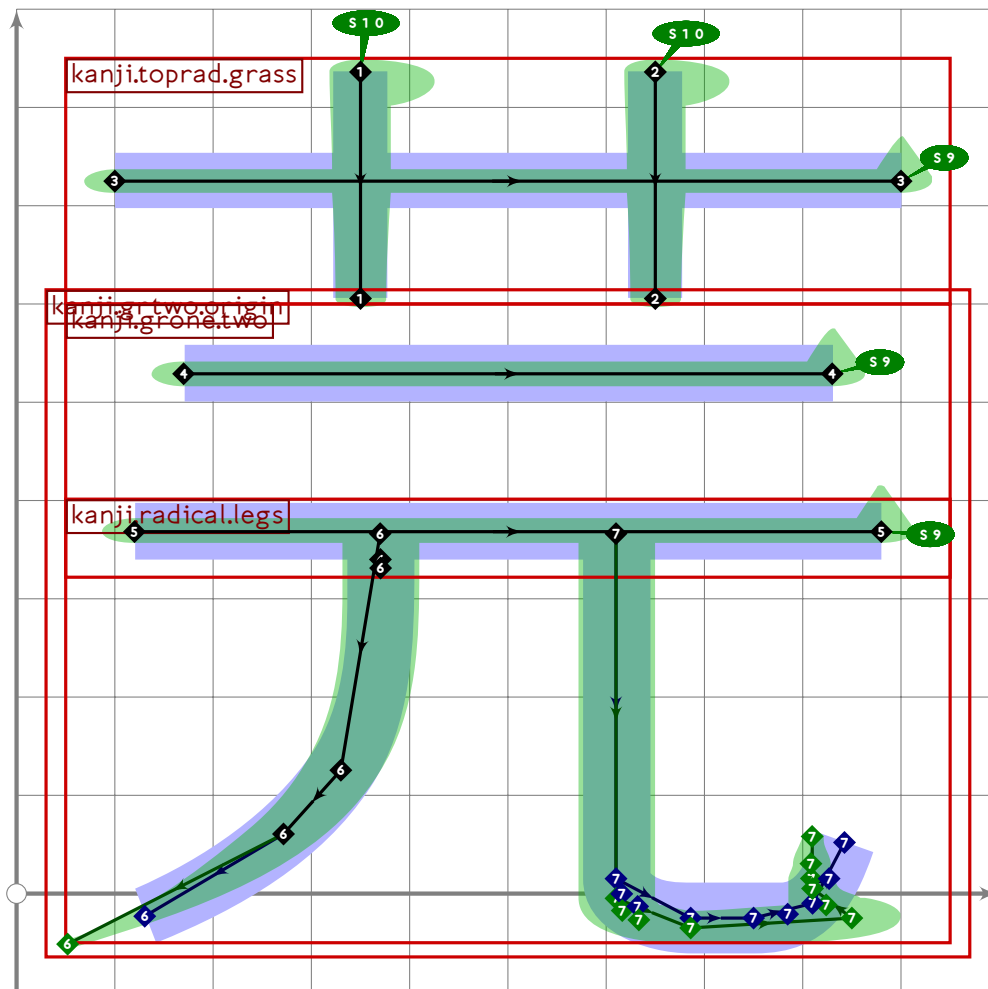
243 % extra
244 begintsuglyph("uni8293",147);
245   build_kanji.tb(600,0)
246     (kanji.toprad.grass)
247     (kanji.grone.child);
248   tsu_render;
249 endtsuglyph;
250

```

U+8296
tsuku.uni8296



```
251 % extra
252 begintsuglyph("uni8296";150);
253   build_kanji.tb(600,80)
254     (kanji.toprad.grass)
255     (kanji.grone.big);
256   tsu_render;
257 endtsuglyph;
258
```



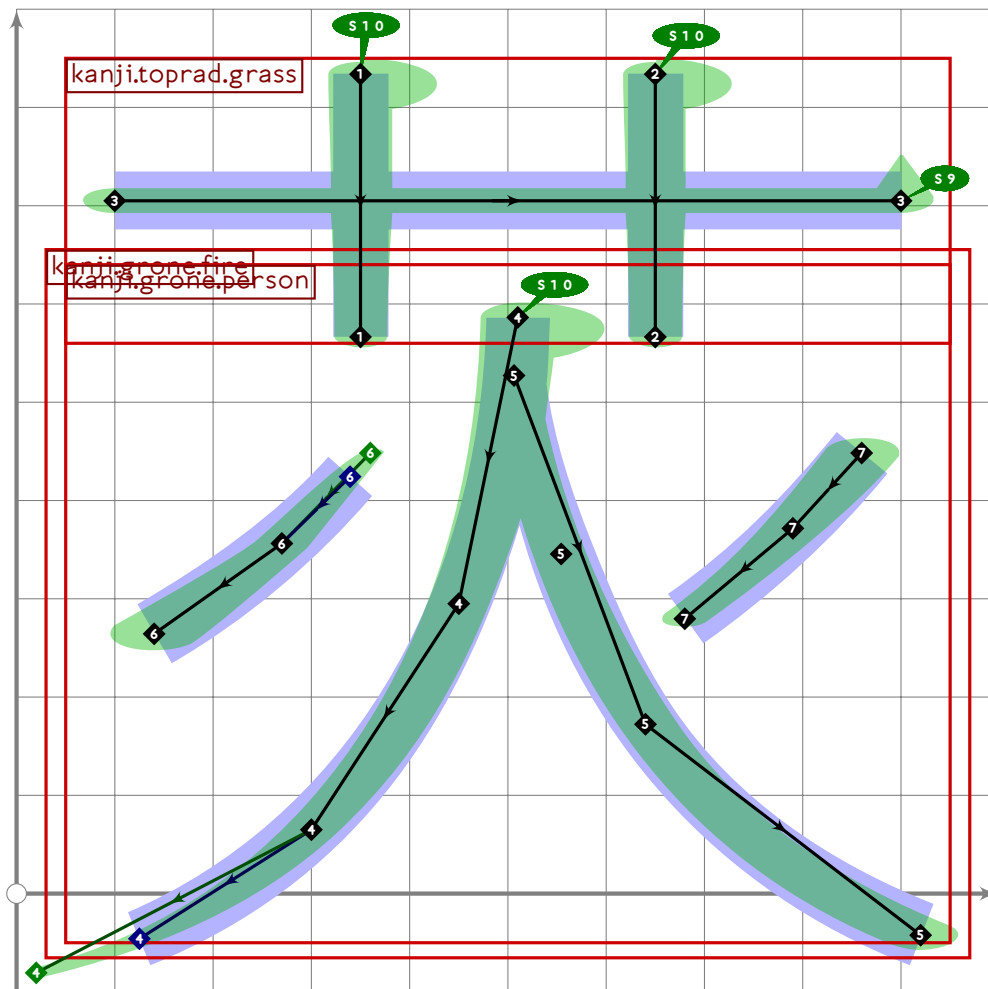
```

259 % extra
260 begintsuglyph("uni82AB",171);
261   build_kanji.tb(600,0)
262     (kanji.toprad.grass)
263     (kanji.grtwo.origin);
264   tsu_render;
265 endtsuglyph;
266
267 % hana "flower"
268 begintsuglyph("uni82B1",177);
269   kanji.grone.flower;
270   tsu_render;
271 endtsuglyph;
272
273 % gei/u "art"
274 begintsuglyph("uni82B8",184);
275   kanji.grfour.art;
276   tsu_render;
277 endtsuglyph;
278

```

[see page 2427]

[see page 2430]

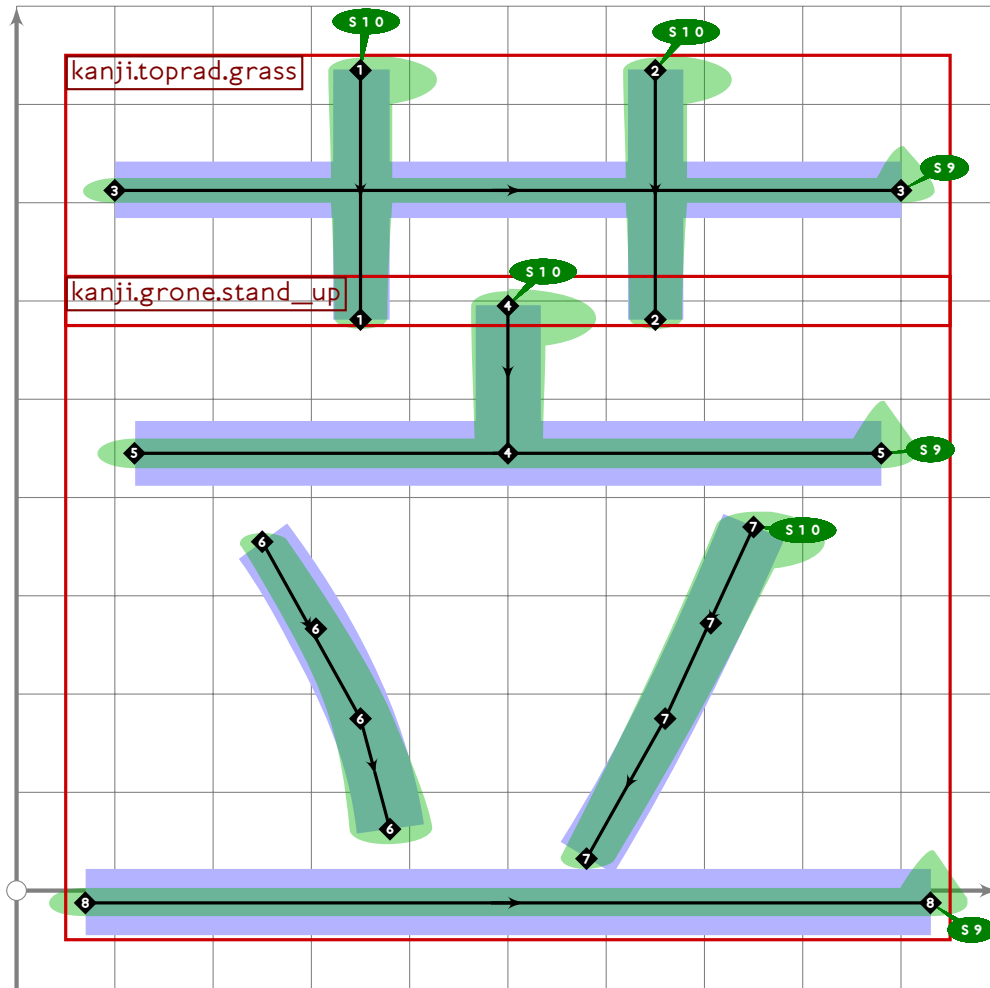


```

279 % extra
280 begintsuglyph("uni82C2";194);
281   build_kanji.tb(600,80)
282     (kanji.toprad.grass)
283     (kanji.grone.fire);
284   tsu_render;
285 endtsuglyph;
286
287 % byo/nae "rice seedling"
288 begintsuglyph("uni82D7";215);
289   kanji.greight.seedling;
290   tsu_render;
291 endtsuglyph;
292

```

[see page 725]

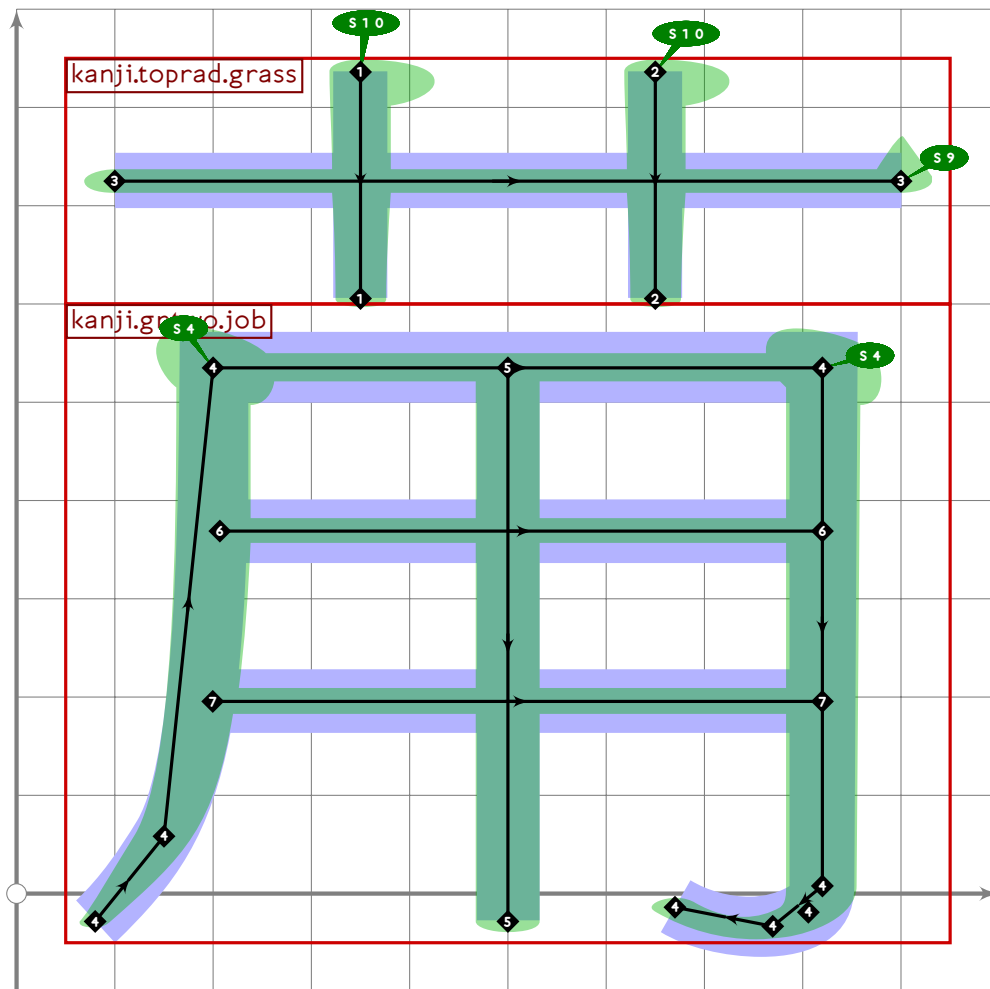


```

293 % extra
294 begintsuglyph("uni82D9";217);
295   build_kanji.tb(600,50)
296     (kanji.toprad.grass)
297     (kanji.grone.stand_up);
298   tsu_render;
299 endtsuglyph;
300

```

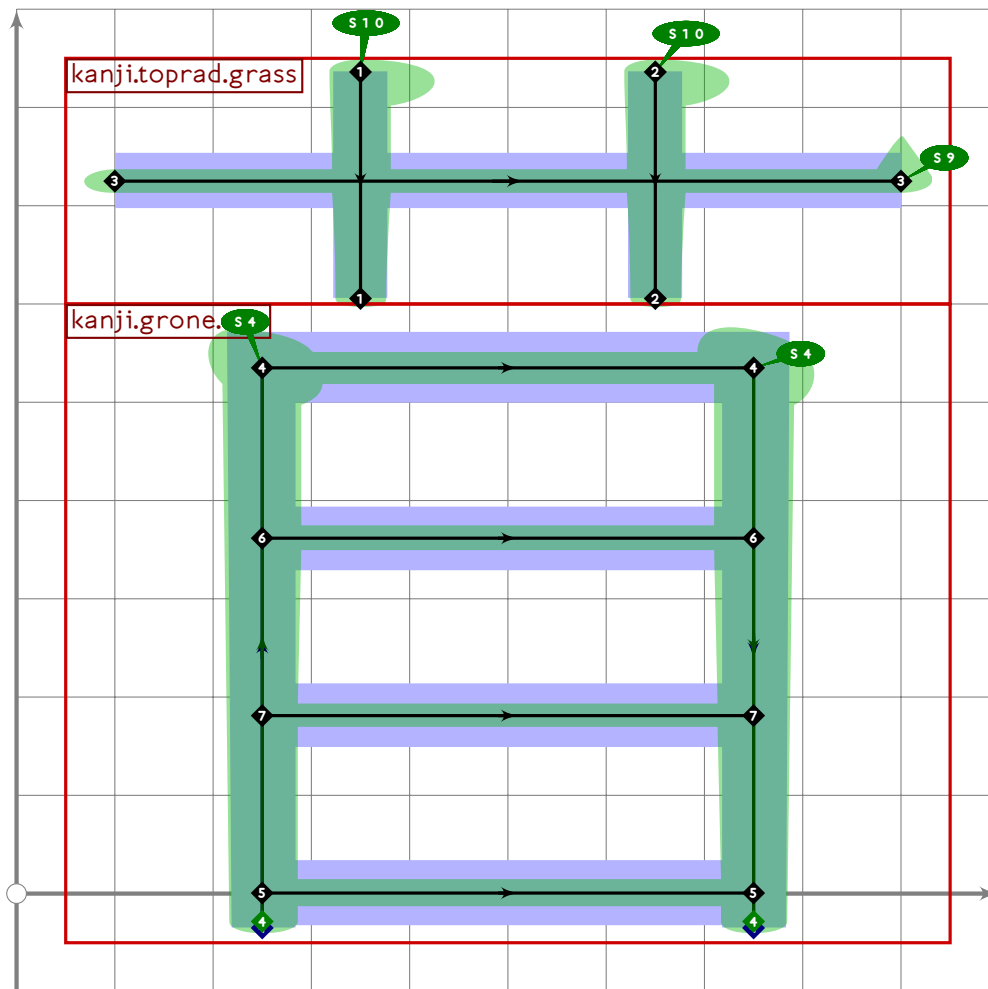
U+82DA
tsuku.uni82DA



```

301 % extra
302 begintsuglyph("uni82DA";218);
303   build_kanji.tb(600,0)
304     (kanji.toprad.grass)
305     (kanji.grtwo.job);
306   tsu_render;
307 endtsuglyph;
308

```



```

309 % extra
310 begintsuglyph("uni82DC",220);
311   build_kanji.tb(600,0)
312     (kanji.toprad.grass)
313     (kanji.grone.ey);
314   tsu_render;
315 endtsuglyph;
316
317 % kou/iyashiku "in the least"
318 begintsuglyph("uni82DF",223);
319   kanji.rare.in_the_least;
320   tsu_render;
321 endtsuglyph;
322
323 % waka "young master"
324 begintsuglyph("uni82E5",229);
325   kanji.grsix.young_master;
326   tsu_render;
327 endtsuglyph;
328
329 % ku/kuru "suffering"

```

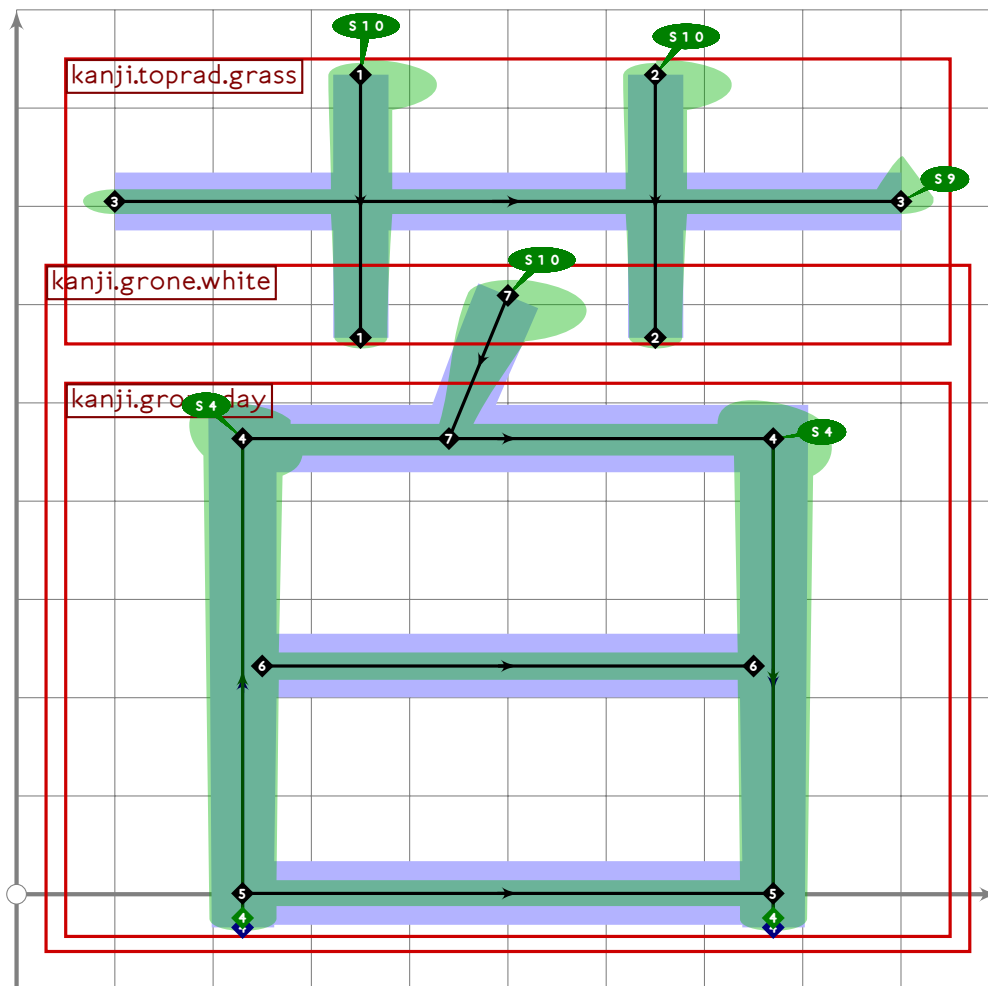
[see page 775]

[see page 2432]

U+82E9
tsuku.uni82E9

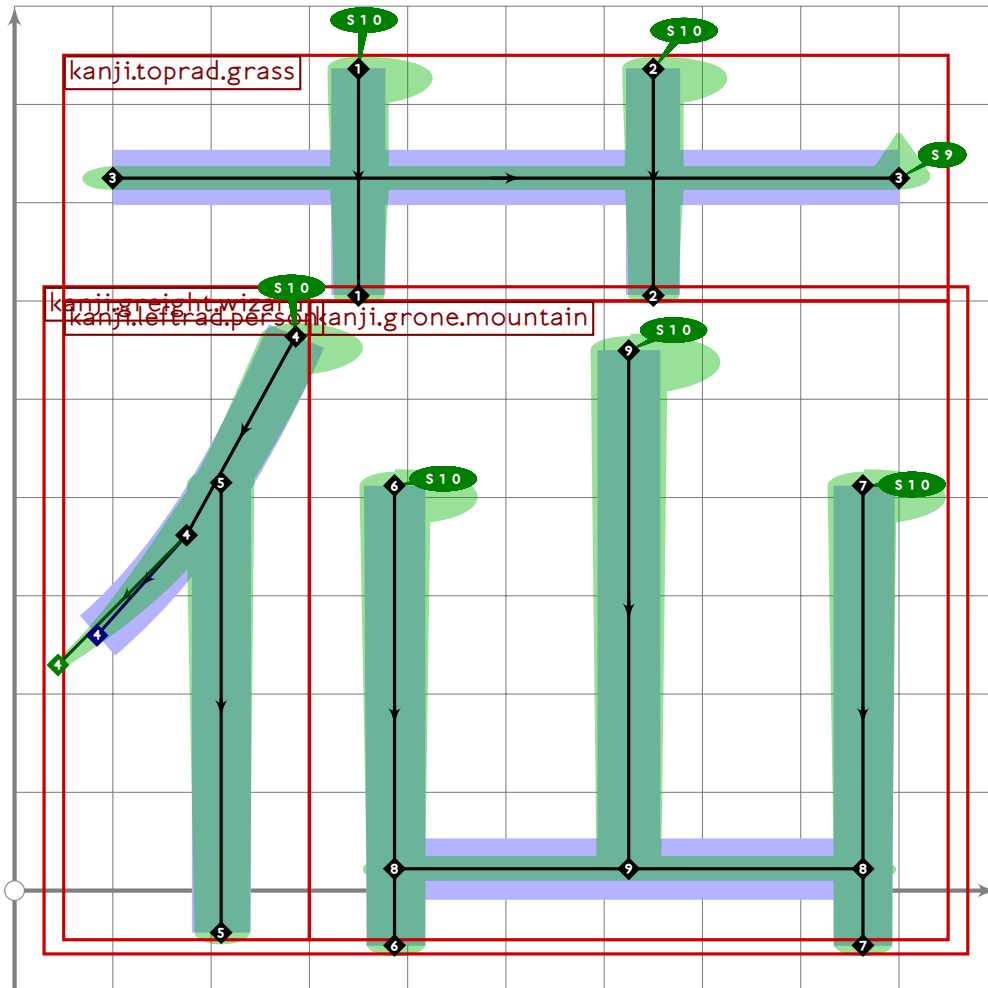
```
330 begintsuglyph("uni82E6";230);
331   kanji.grthree.suffering;
332   tsu_render;
333 endtsuglyph;
334
```

[see page 2429]



82

```
335 % extra
336 begintsuglyph("uni82E9";233);
337   build_kanji.tb(600,80)
338     (kanji.toprad.grass)
339     (kanji.grone.white);
340   tsu_render;
341 endtsuglyph;
342
```

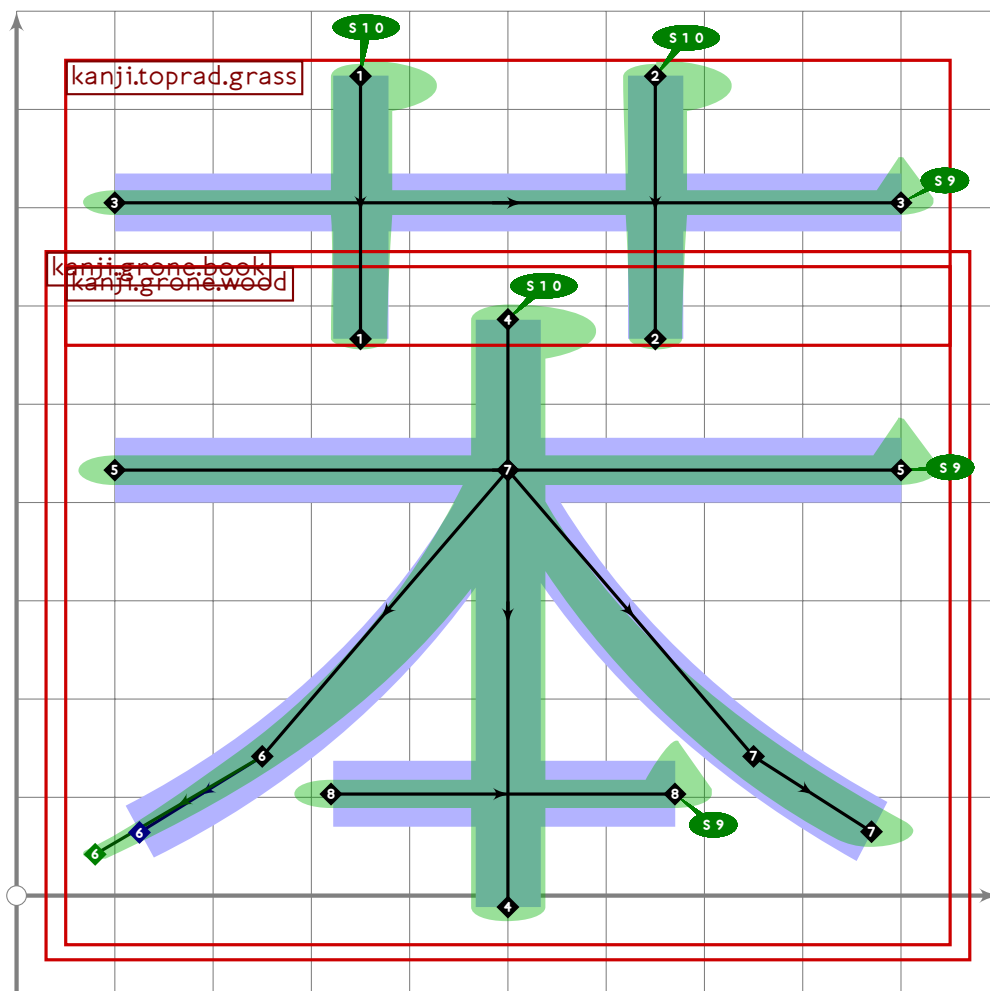


```

343 % extra
344 begintsuglyph("uni82EE",238);
345     build_kanji.tb(600,0)
346         (kanji.toprad.grass)
347         (kanji.greight.wizard);
348     tsu_render;
349 endtsuglyph;
350

```

U+82EF
tsuku.uni82EF

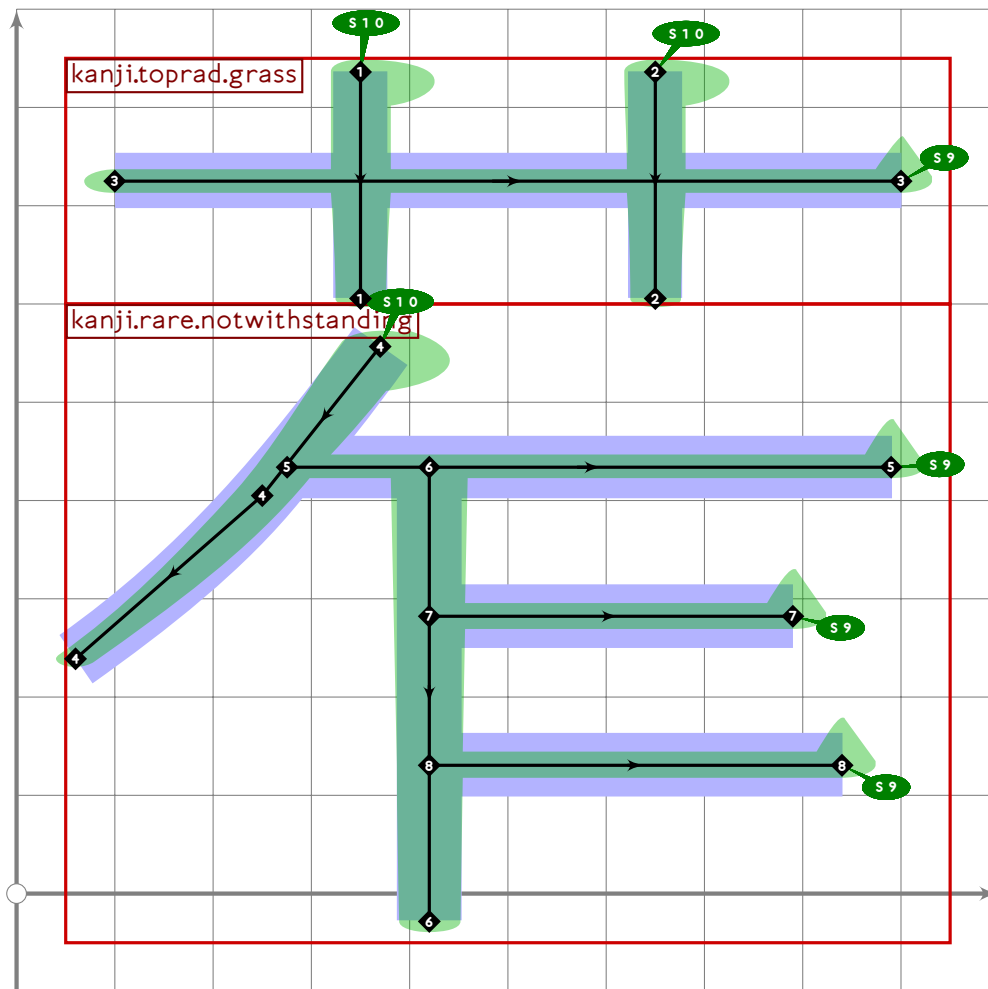


```

351 % extra
352 begintsuglyph("uni82EF";239);
353   build_kanji.tb(600,80)
354     (kanji.toprad.grass)
355     (kanji.grone.book);
356   tsu_render;
357 endtsuglyph;
358
359 % ei "English"
360 begintsuglyph("uni82F1";241);
361   kanji.grfour.english;
362   tsu_render;
363 endtsuglyph;
364

```

[see page 2431]

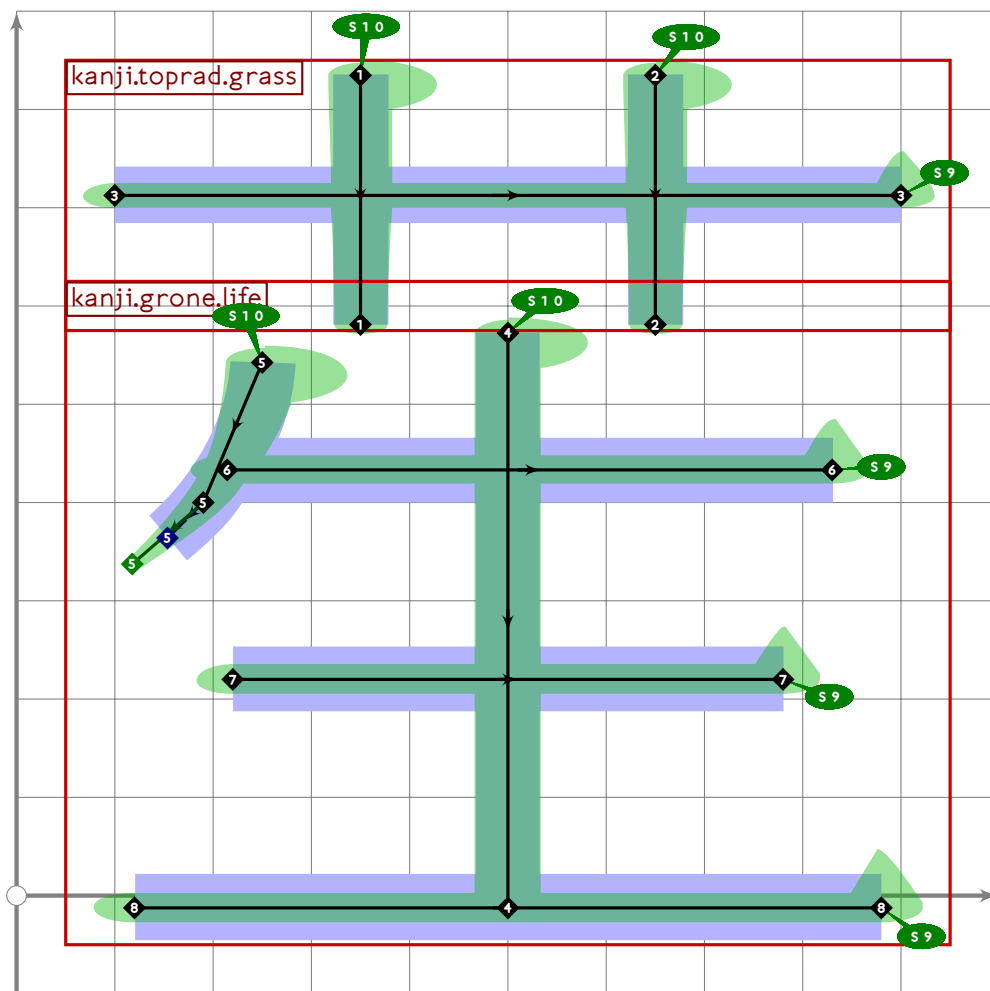


```

365 % extra
366 begintsuglyph("uni82F2";242);
367   build_kanji.tb(600,0)
368     (kanji.toprad.grass)
369     (kanji.rare.notwithstanding);
370   tsu_render;
371 endtsuglyph;
372

```

U+82FC
tsuku.uni82FC



```

373 % extra
374 begintsuglyph("uni82FC";252);
375   build_kanji.tb(600,50)
376     (kanji.toprad.grass)
377     (kanji.grone.life);
378   tsu_render;
379 endtsuglyph;
380
381
382
383 endfont;
384
385

```

tsuku-83.mp

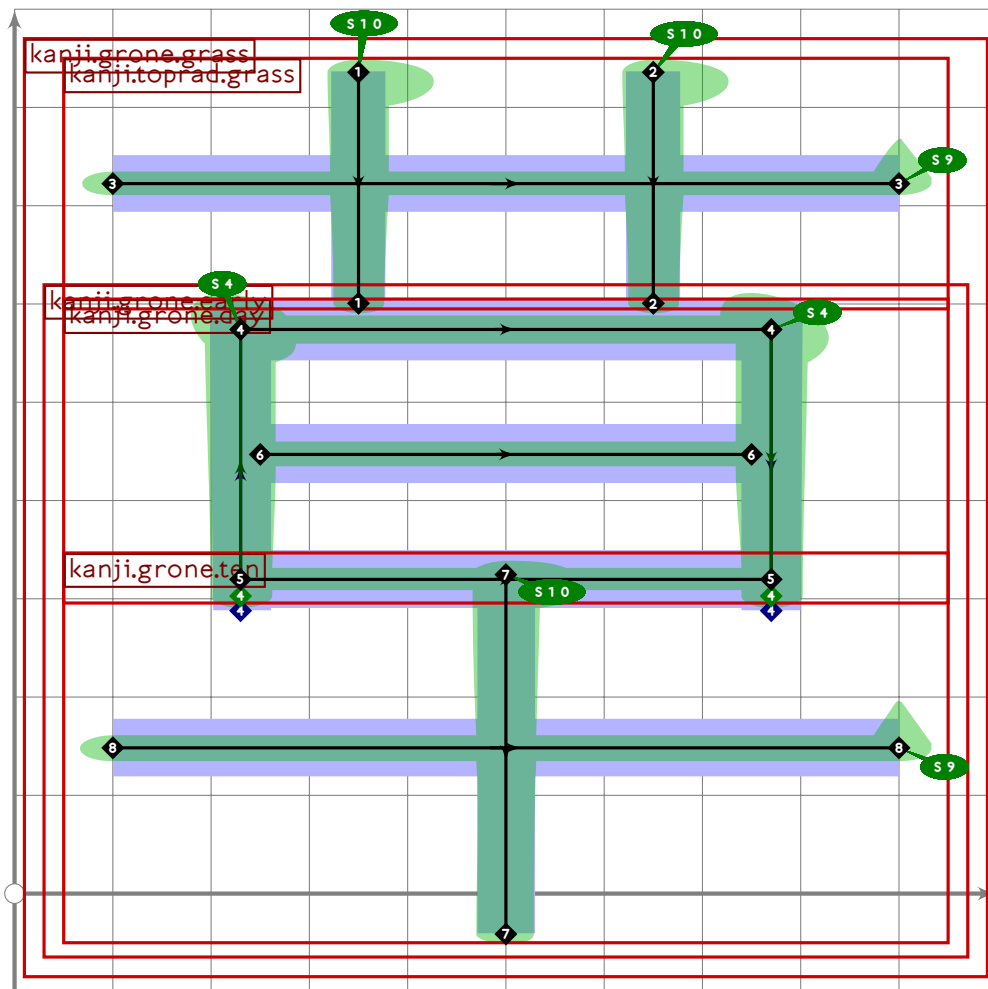
```
1 %
2 % Unicode page 83 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

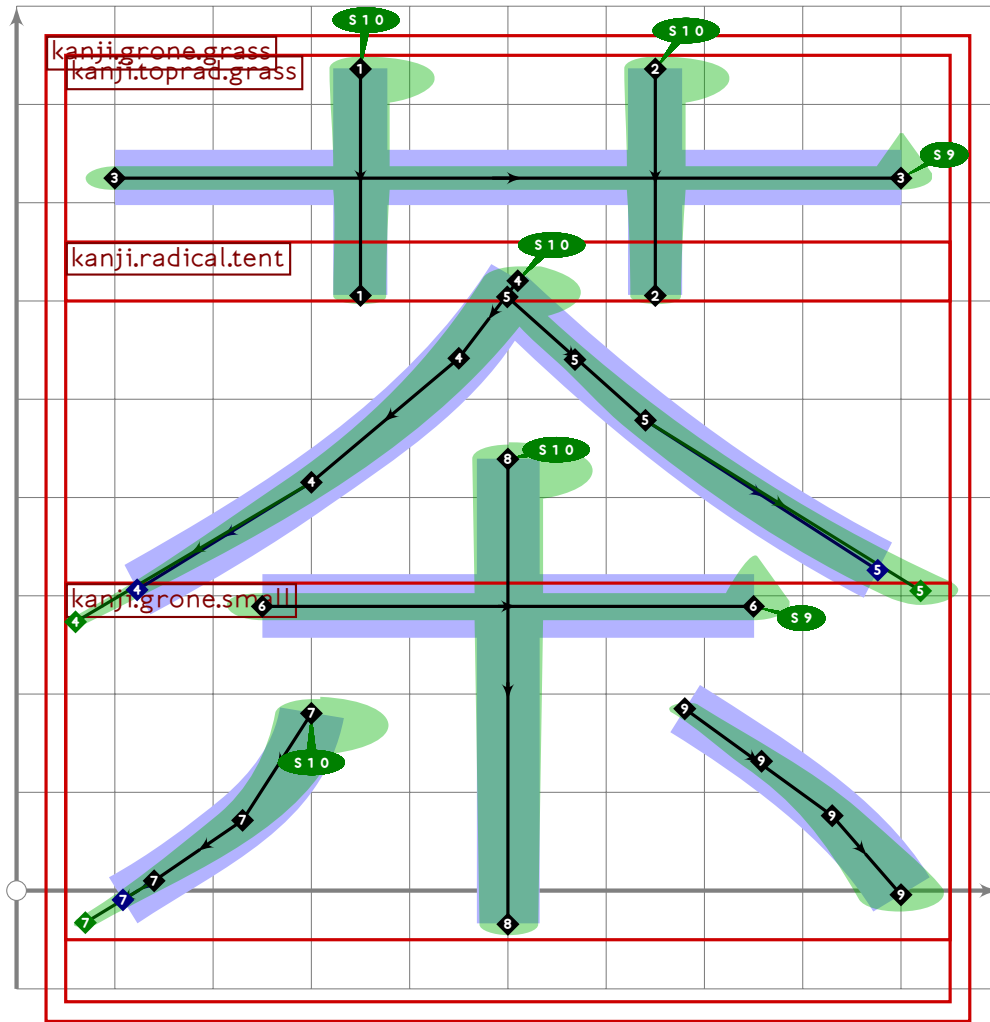

```



```

50
51 vardef kanji.grone.grass =
52   push_pbox_toexpand("kanji.grone.grass");
53   build_kanji.tb(600,10)
54     (kanji.toprad.grass)
55     (kanji.grone.early);
56   expand_pbox;
57 enddef;
58
59

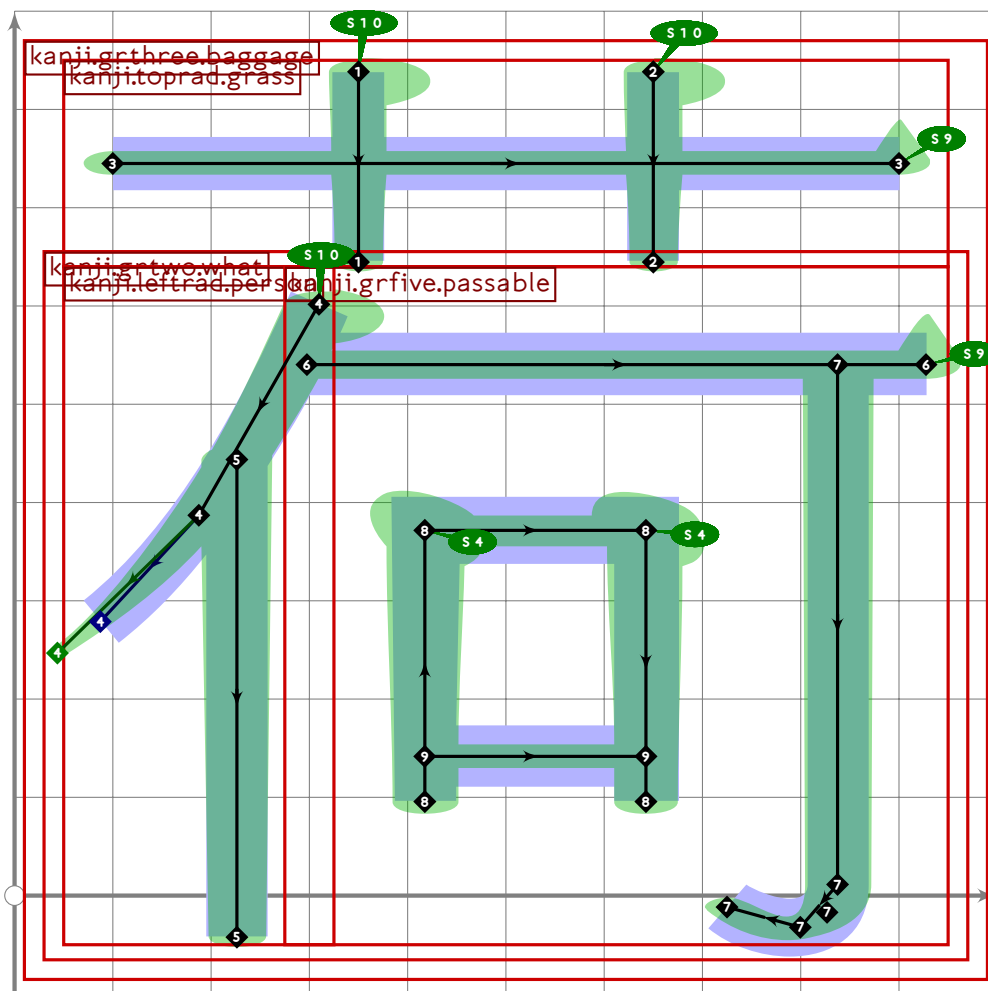
```



```

60
61 vardef kanji.grtwo.tea =
62   push_pbox_toexpand("kanji.grone.grass");
63   build_kanji.tb(630,60)
64   (kanji.toprad.grass)
65   (build_kanji.level(
66     kanji.radical.tent;
67     replace_strokep(0)((250,380)-(750,380));
68     tsu_xform(identity yscaled 0.6 shifted (0,-100))
69     (kanji.grone.small);
70     replace_strokep(-1)((500,570)-(500,-30));
71     replace_strokeq(-1)((1.6,1.6)-(1.4,1.4));
72   ));
73   expand_pbox;
74 enddef;
75
76

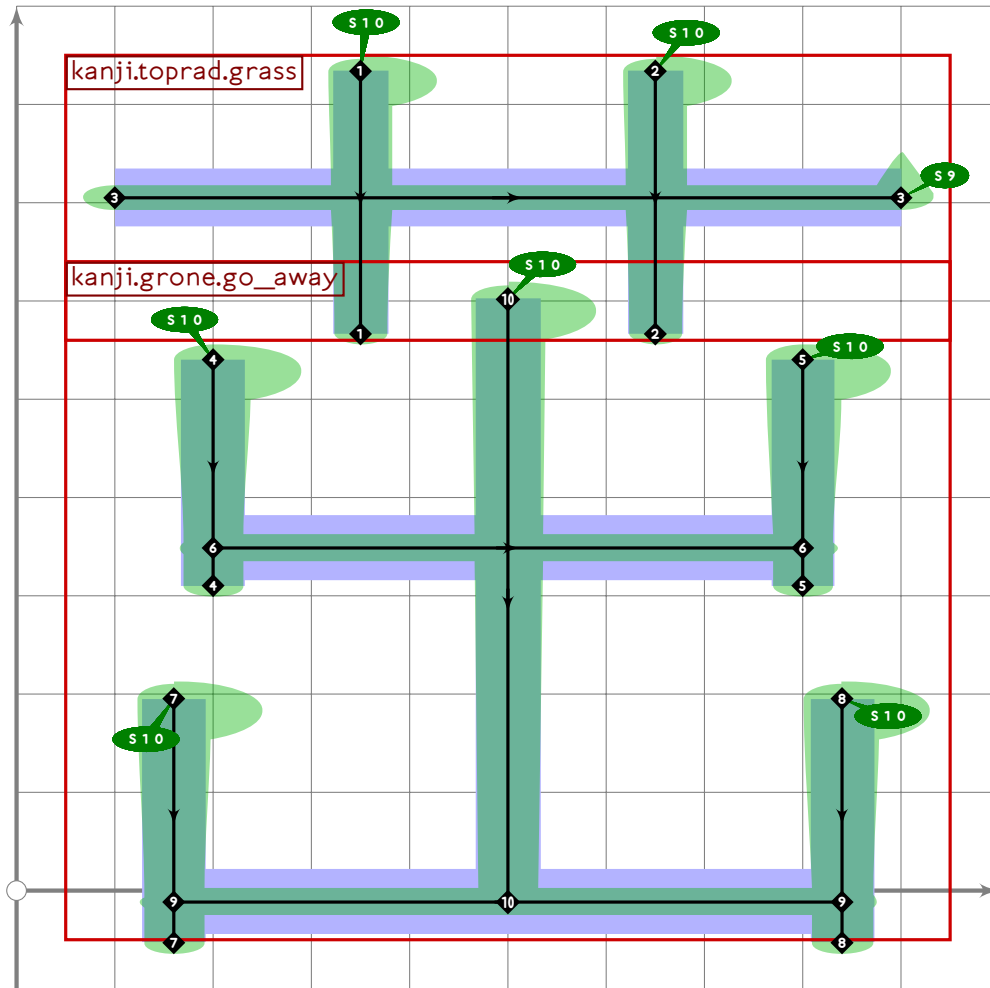
```



```

77
78 vardef kanji.grthree.baggage =
79   push_pbox_toexpand("kanji.grthree.baggage");
80   build_kanji.tb(640,0)
81     (kanji.toprad.grass)
82     (kanji.grtwo.what);
83   expand_pbox;
84 enddef;
85
86
87

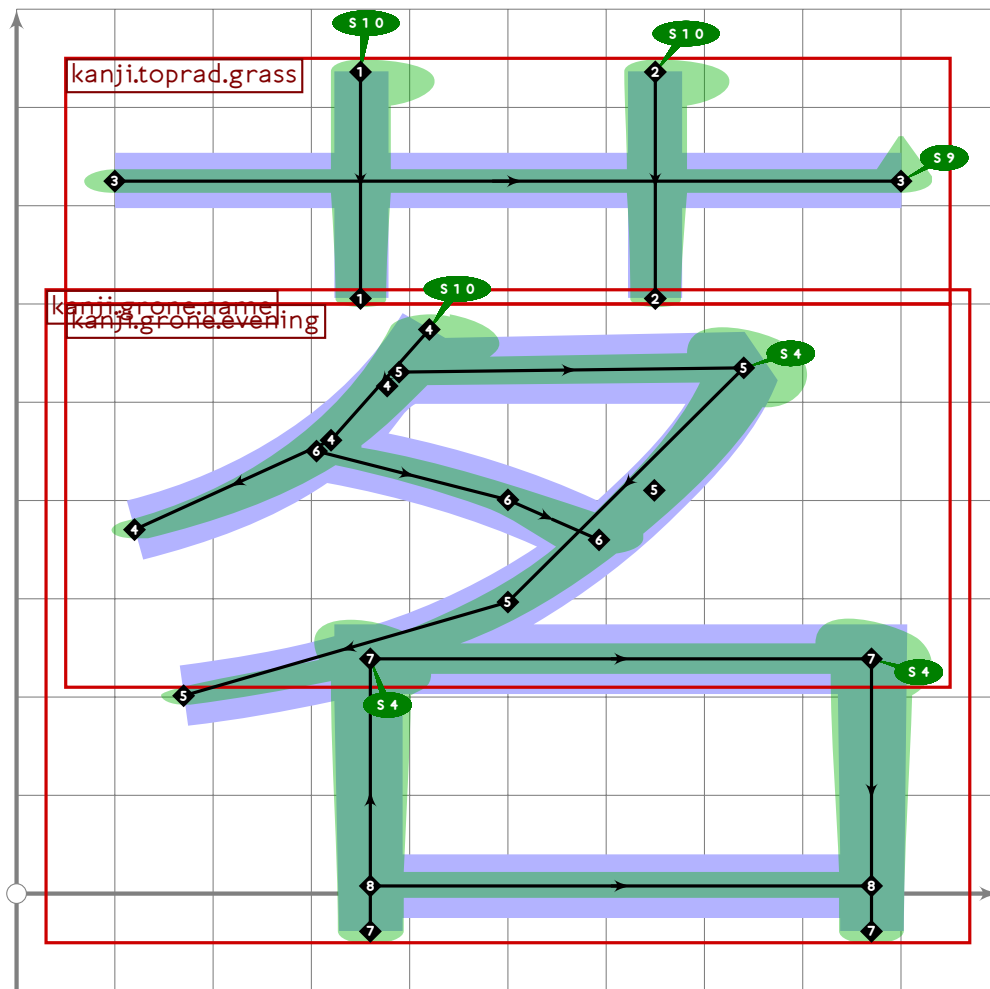
```



```

88 % extra
89 begintsuglyph("uni8301",1);
90 build_kanji.tb(600,80)
91   (kanji.toprad.grass)
92   (kanji.grone.go_away);
93   tsu_render;
94 endtsuglyph;
95

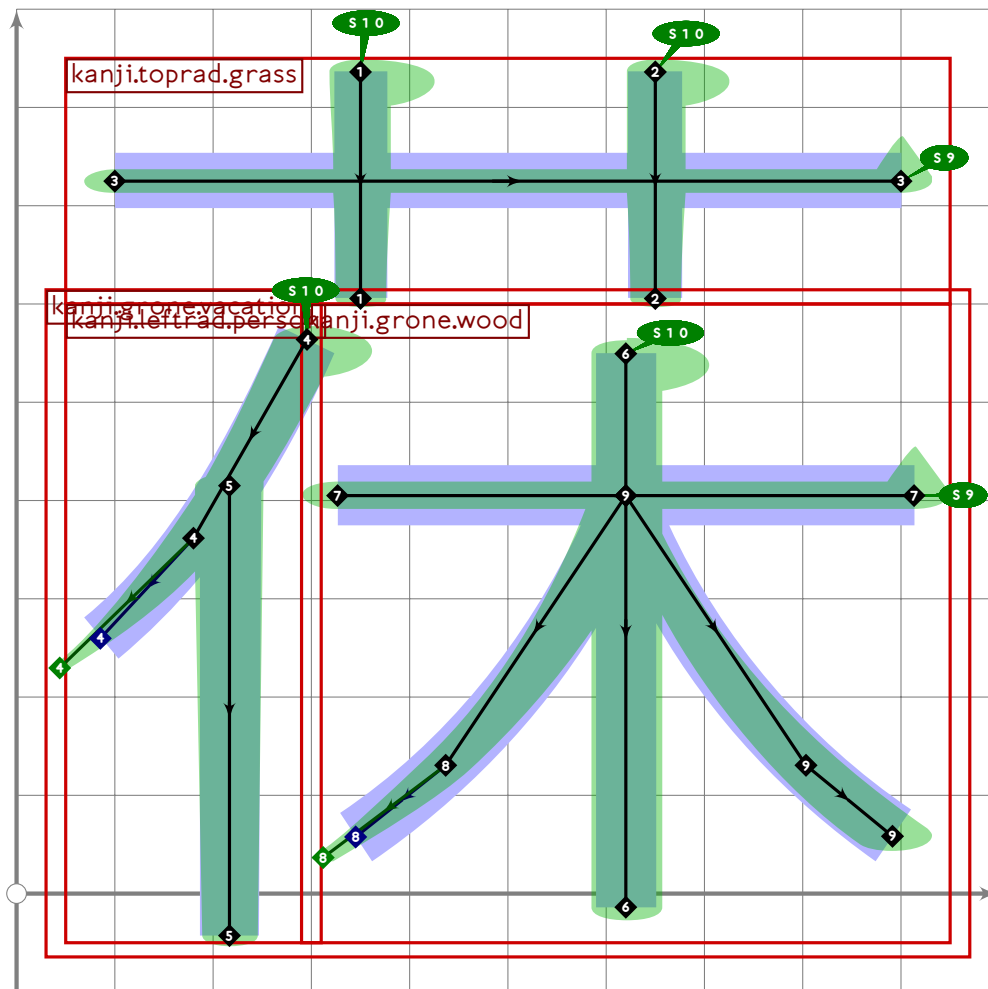
```



```

96 % myou/cha "tea"
97 begintsuglyph("uni8317";23);
98   build_kanji.tb(600,0)
99     (kanji.toprad.grass)
100     (kanji.grone.name);
101   tsu_render;
102 endtsuglyph;
103

```

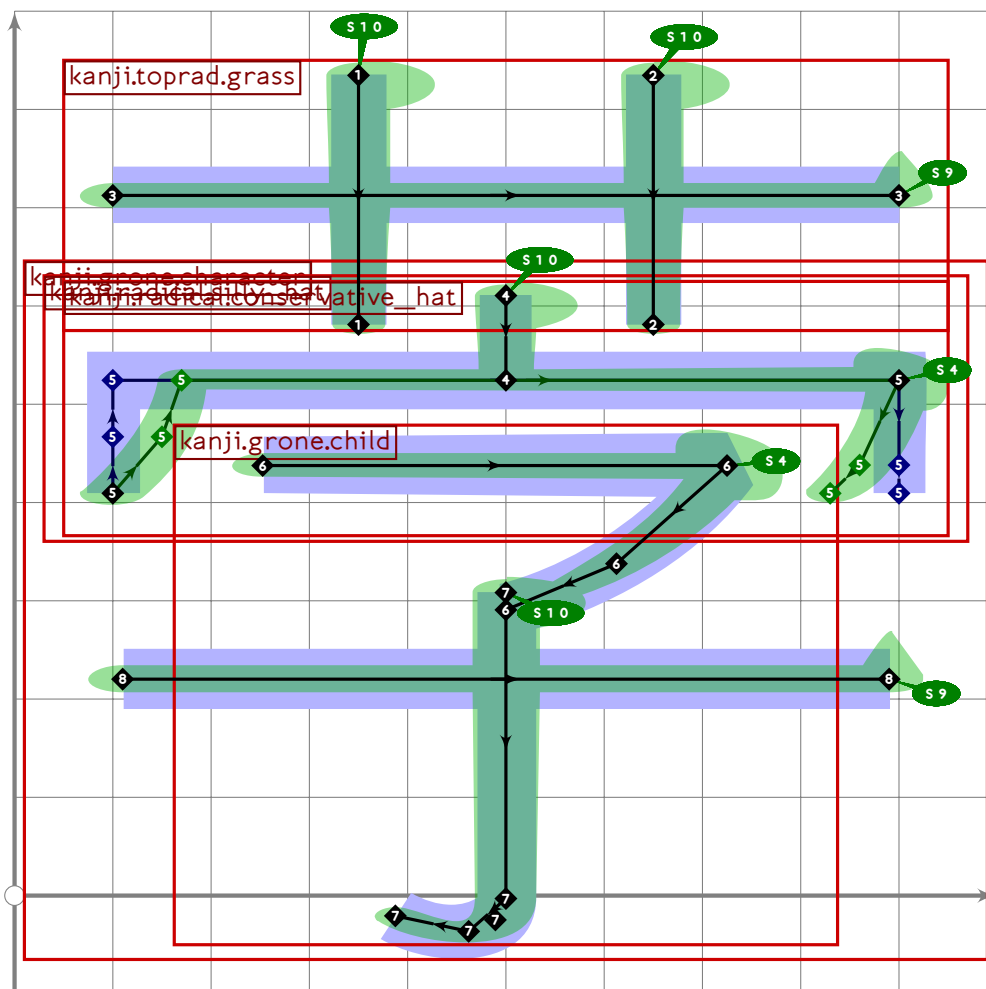


```

104 % extra
105 begintsuglyph("uni8320";32);
106   build_kanji.tb(600,0)
107     (kanji.toprad.grass)
108     (kanji.grone.vacation);
109   tsu_render;
110 endtsuglyph;
111

```

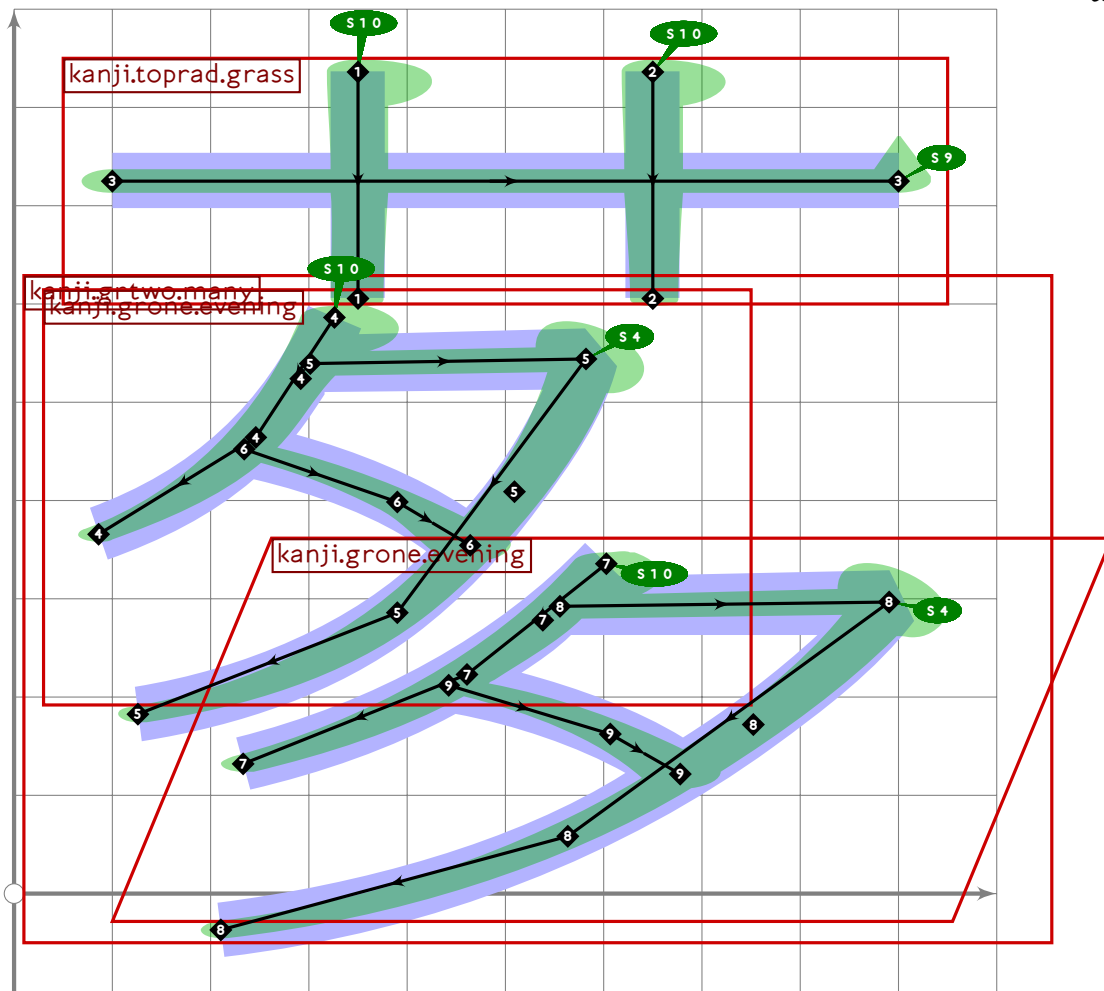
U+8321
tsuku.uni8321



```

112 % extra
113 begintsuglyph("uni8321",33);
114   build_kanji.tb(600,50)
115     (kanji.toprad.grass)
116     (kanji.grone.character);
117   tsu_render;
118 endtsuglyph;
119

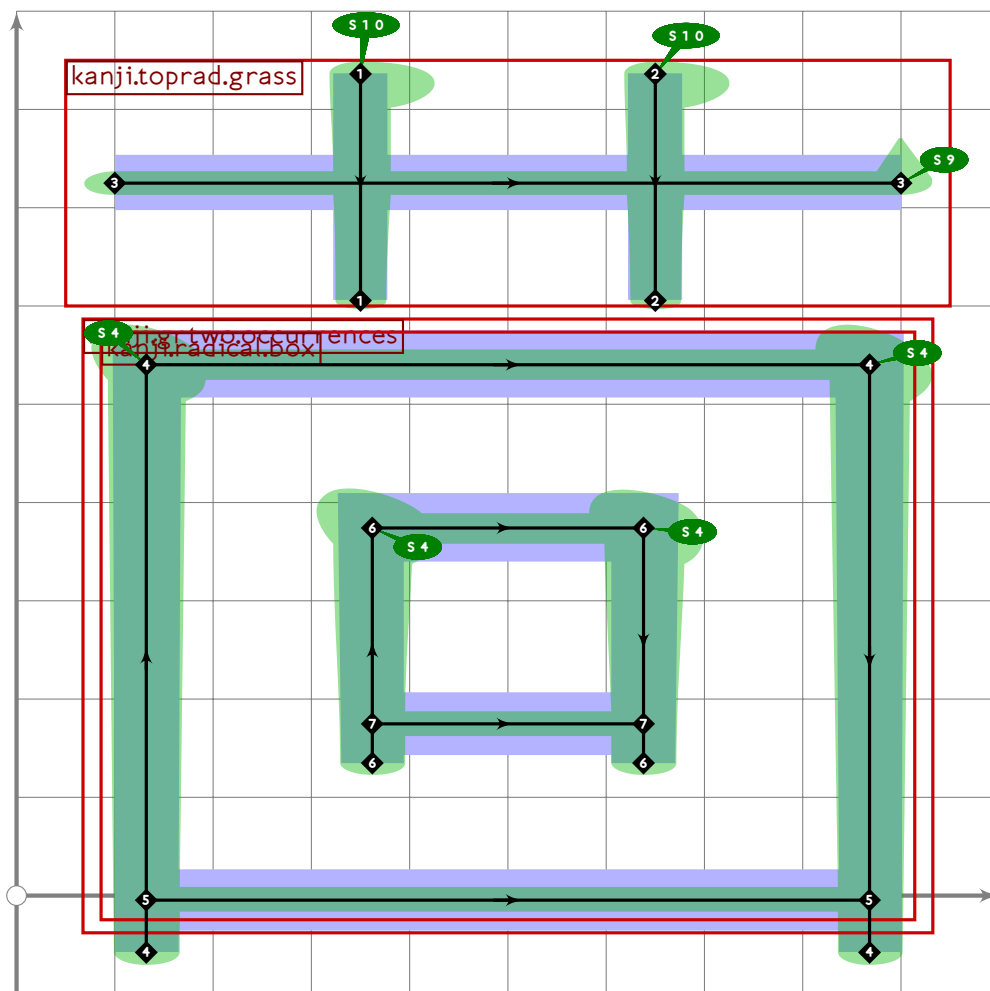
```



```

120 % extra
121 begintsuglyph("uni8324",36);
122   build_kanji.tb(600,0)
123     (kanji.toprad.grass)
124     (kanji.grtwo.many);
125   tsu_render;
126 endtsuglyph;
127

```

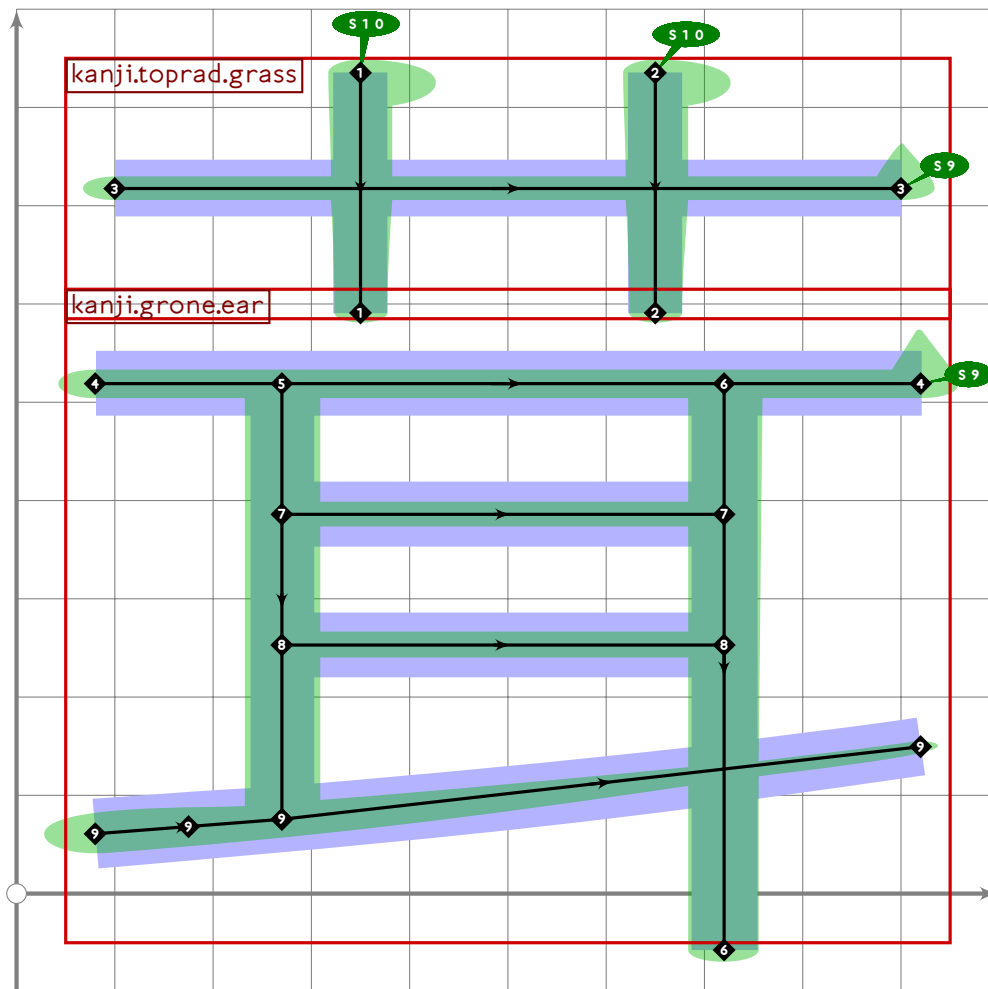


```

128 % extra
129 begintsuglyph("uni8334";52);
130   build_kanji.tb(600,0)
131     (kanji.toprad.grass)
132     (build_kanji.sscale(scaled 0.92)(kanji.grtwo.occurrences));
133   tsu_render;
134 endtsuglyph;
135
136 % cha/sa "tea"
137 begintsuglyph("uni8336";54);
138   kanji.grtwo.tea;
139   tsu_render;
140 endtsuglyph;
141

```

[see page 2459]



```

142 % extra
143 begintsuglyph("uni8338";56);
144   build_kanji.tb(600,30)
145     (kanji.toprad.grass)
146     (kanji.grone.ear);
147   tsu_render;
148 endtsuglyph;
149
150 % sou/kusa "grass"
151 begintsuglyph("uni8349";73);
152   kanji.grone.grass;
153   tsu_render;
154 endtsuglyph;
155
156 % ka/ni "baggage"
157 begintsuglyph("uni8377";119);
158   kanji.grthree.baggage;
159   tsu_render;
160 endtsuglyph;
161
162 % hoku/wazurawashii "no meaning given, but needed to build 'boku'"

```

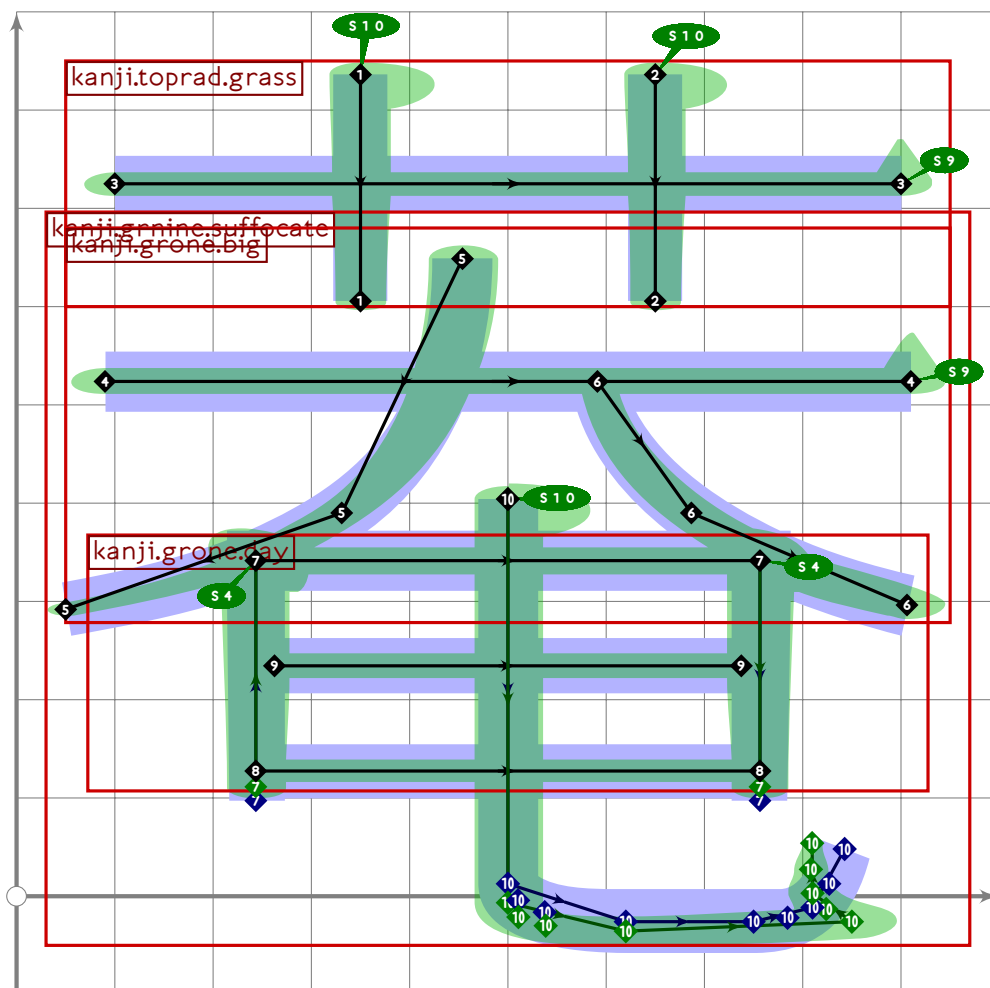
[see page 2458]

[see page 2460]

U+83F4
tsuku.uni83F4

```
163 begintsuglyph("uni83D0";208);
164   kanji.rare.eight_three_dee_zero;
165   tsu_render;
166 endtsuglyph;
167
```

[see page 774]



83

```
168 % extra an/iori "hermitage"
169 begintsuglyph("uni83F4";244);
170   build_kanji.tb(640,80)
171     (kanji.toprad.grass)
172     (kanji.grnine.suffocate);
173   tsu_render;
174 endtsuglyph;
175
176
177
178 endfont;
179
180
```

tsuku-84.mp

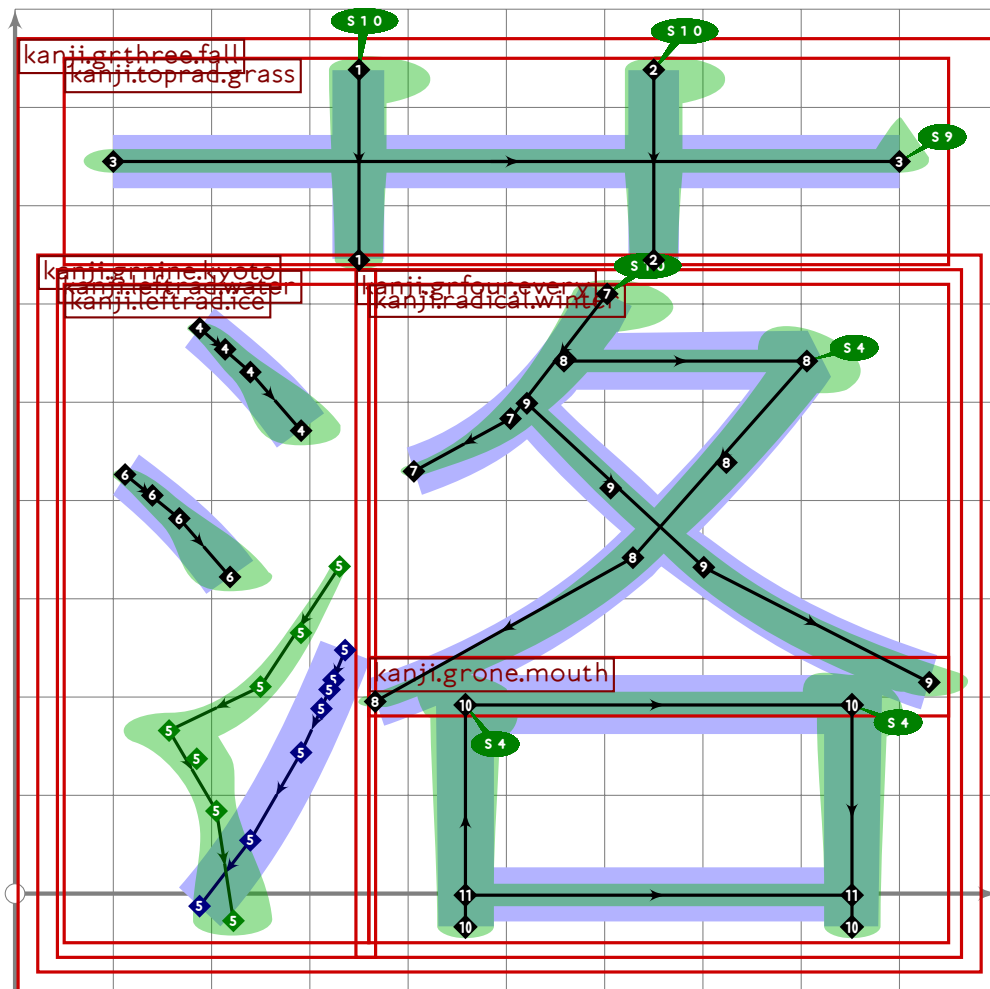
```
1 %
2 % Unicode page 84 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


32
33 beginfont
34
35 % AUTODEPS
36 input buildkanji.mp;
37 input gradefour.mp;
38 input gradenine.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 

---

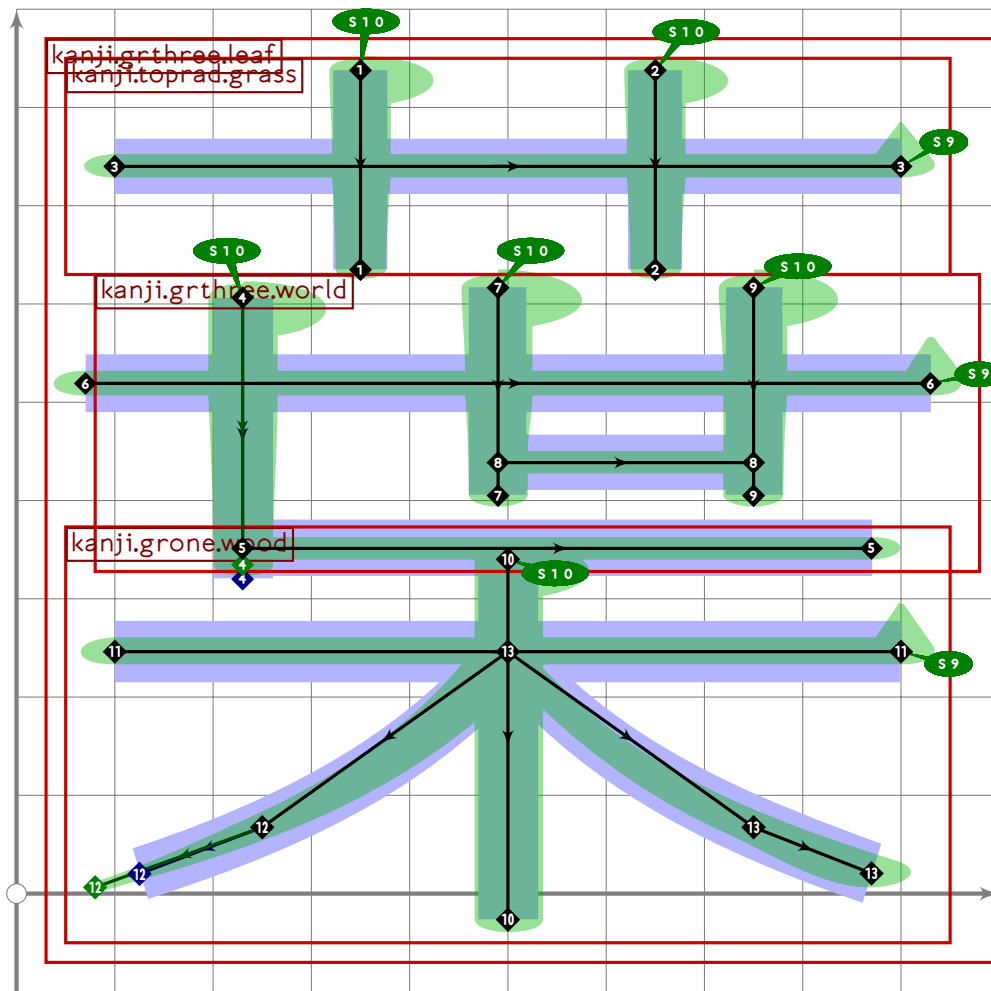

```



```

49
50 vardef kanji.grthree.fall =
51   push_pbox_toexpand("kanji.grthree.fall");
52   build_kanji.tb(630,-20)
53     (kanji.toprad.grass)
54     (kanji.grnine.kyoto);
55   expand_pbox;
56 enddef;

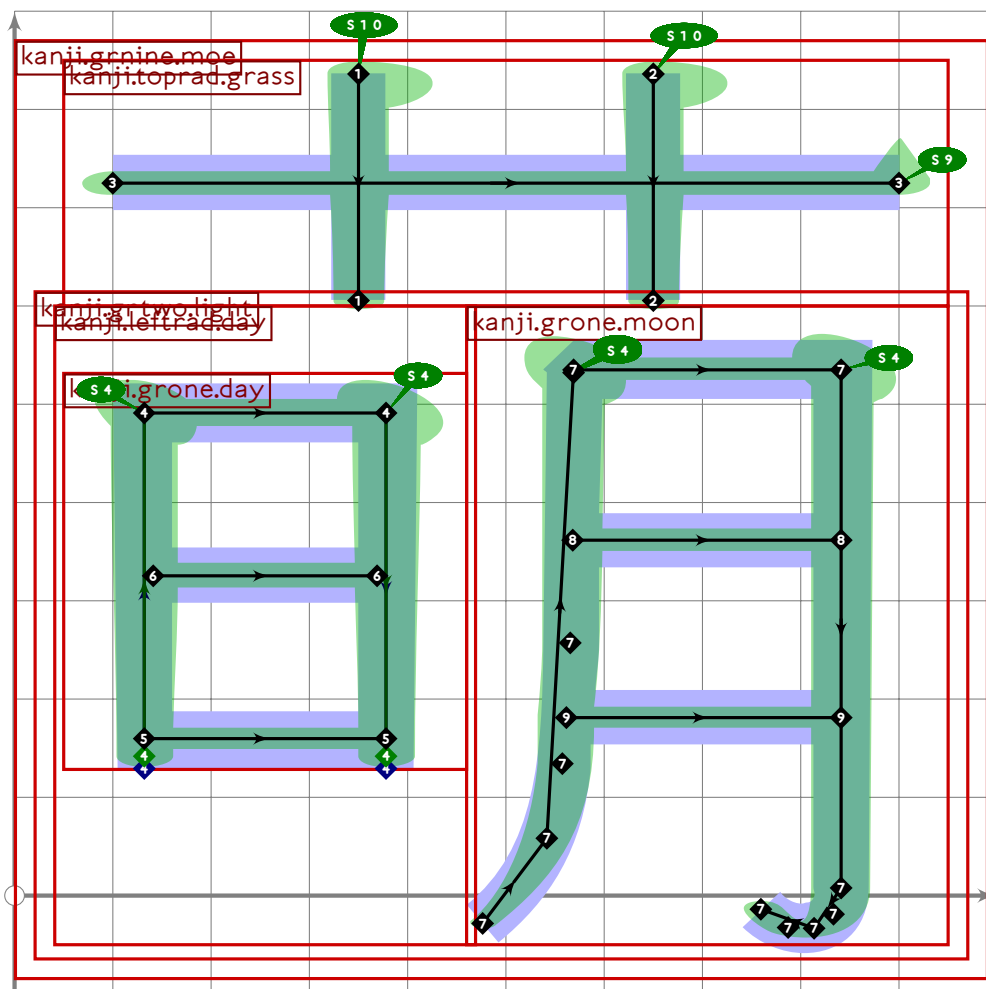
```



```

57
58 vardef kanji.grthree.leaf =
59   push_pbox_toexpand("kanji.grthree.leaf");
60   build_kanji.tb(630,0)
61     (kanji.toprad.grass)
62     (build_kanji.tb(480,60)
63       (tsu_xform(identity shifted (30,0))(kanji.grthree.world))
64       (kanji.grone.wood));
65   expand_pbox;
66 enddef;
67
68

```



```

69
70 vardef kanji.grnine.moe =
71   push_pbox_toexpand("kanji.grnine.moe");
72   build_kanji.tb(600,0)
73   (kanji.toprad.grass)
74   (kanji.grtwo.light);
75   expand_pbox;
76 enddef;

```

```

77
78
79
80 % moe (untranslatable)
81 begintsuglyph("uni840C";12);
82 kanji.grnine.moe;
83 tsu_render;
84 endtsuglyph;
85
86 % raku/o "fall" or "drop"
87 begintsuglyph("uni843D";61);
88 kanji.grthree.fall;
89 tsu_render;

```

[see page 2472]

[see page 2470]

```
90 endtsuglyph;
91
92 % you/ha "leaf"
93 begintsuglyph("uni8449;73); [see page 2471]
94   kanji.grthree.leaf;
95   tsu_render;
96 endtsuglyph;
97
98 

---


99
100 endfont;
101
102 

---

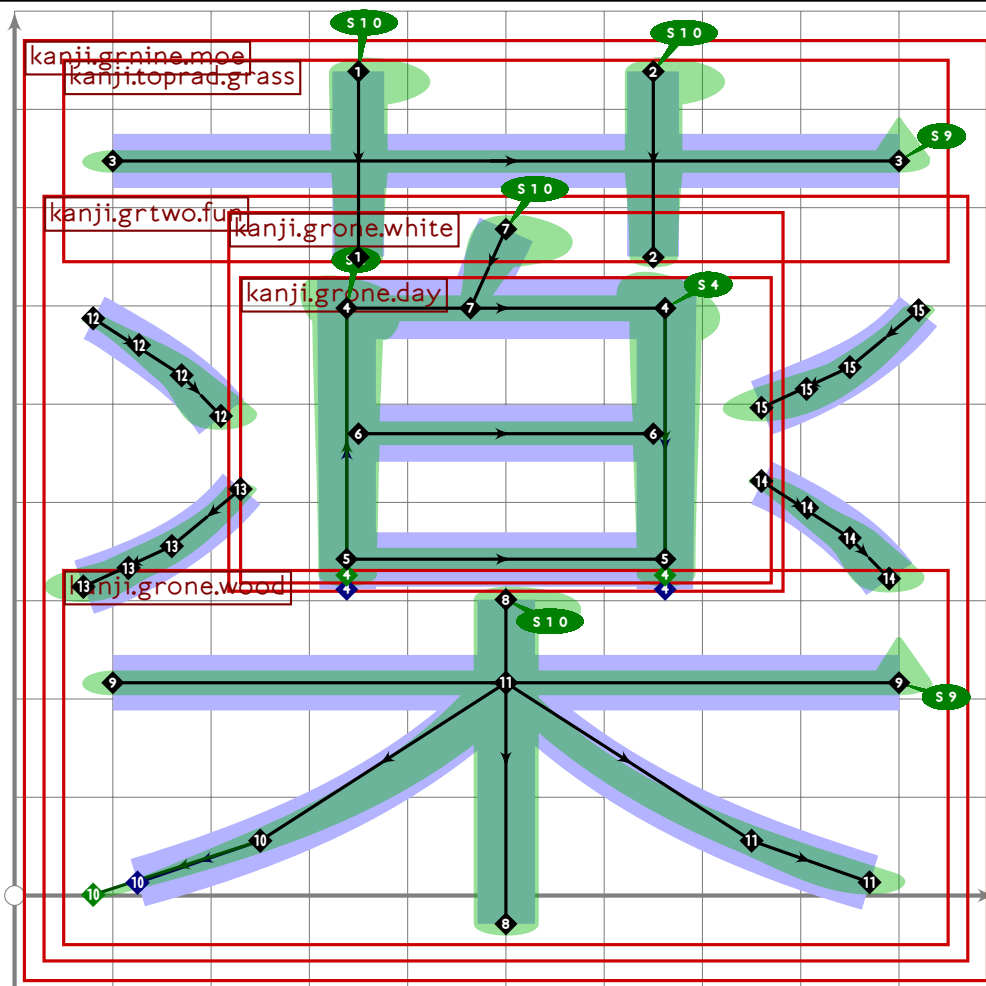

```

tsuku-85.mp

```

1 %
2 % Unicode page 85 (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 gradeone.mp;
38 input gradetwo.mp;
39 input toprad.mp;
40
41 do_late_includes;
42
43 _____

```



```

44
45 vardef kanji.grthree.medicine =
46   push_pbox_toexpand("kanji.grnine.moe");
47   build_kanji.tb(670,50)
48     (kanji.toprad.grass)
49     (kanji.grtwo.fun);
50   expand_pbox;
51 enddef;
52
53 _____
54
55 % yaku/kusuri "medicine"
56 begintsuglyph("uni85AC";172); [see page 2475]
57   kanji.grthree.medicine;
58   tsu_render;
59 endtsuglyph;
60
61 _____
62
63 endfont;
64
65 _____

```

tsuku-86.mp

```
1 %
2 % Unicode page 86 (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 gradeone.mp;
38
39 do_late_includes;
40
41 

---


42
43 % mushi "bug"
44 begintsuglyph("uni866B";107); [see page 417]
45   kanji.grone.bug;
46   tsu_render;
47 endtsuglyph;
48
49 

---


50
51 endfont;
52
53 

---


```

tsuku-88.mp

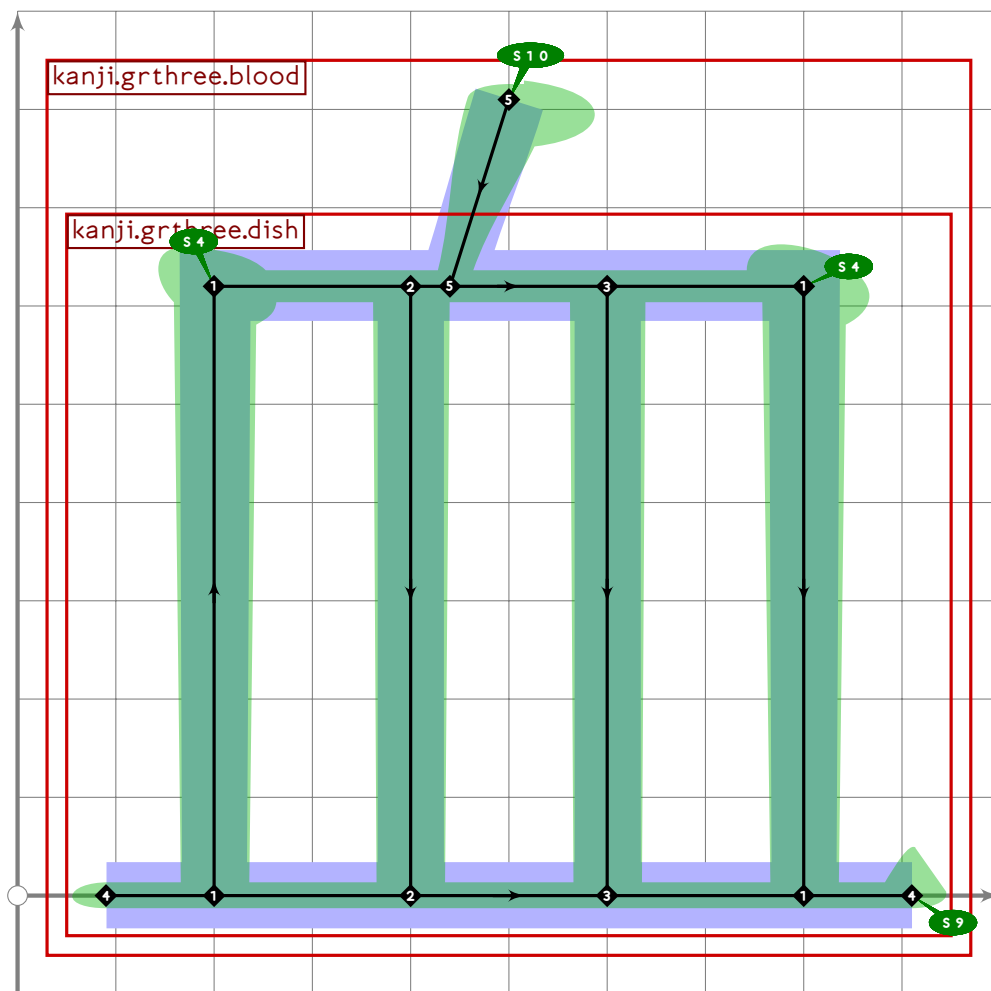
```
1 %
2 % Unicode page 88 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012, 2013 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---

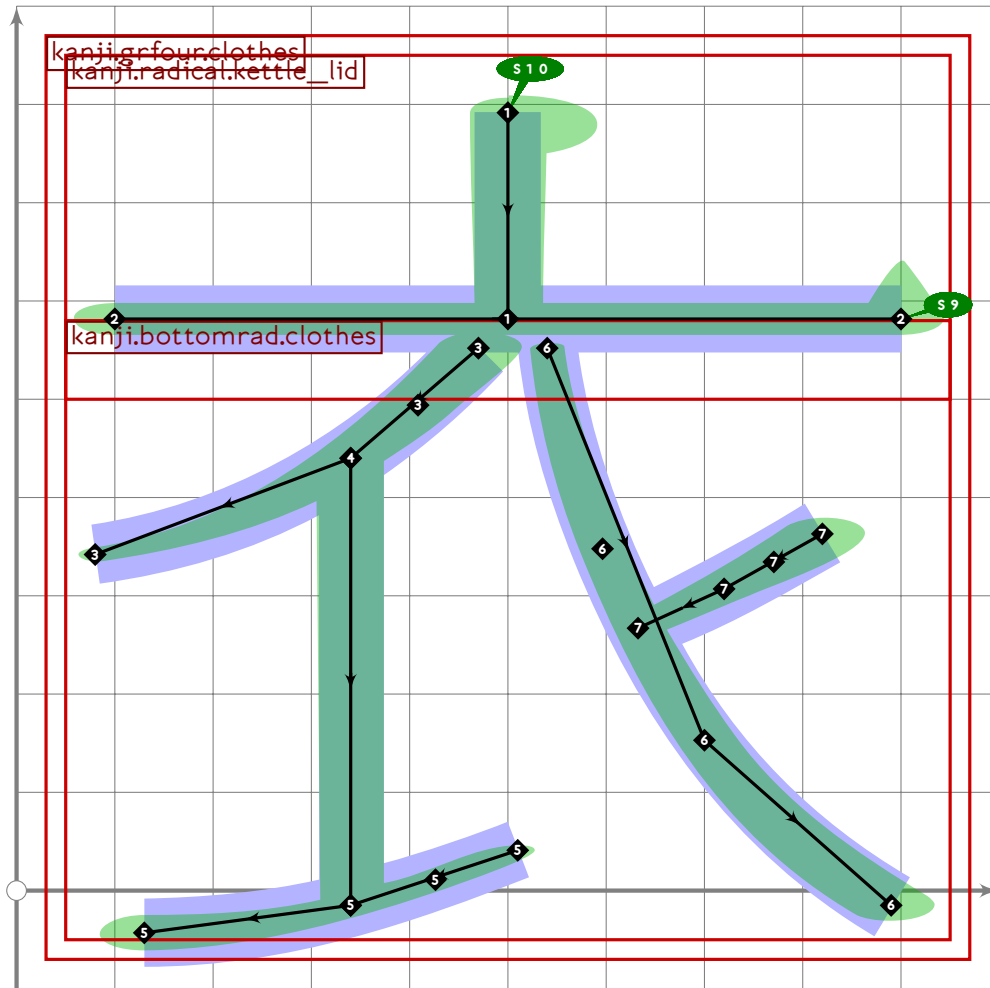

```



```

48
49 vardef kanji.grthree.blood =
50   push_pbox_toexpand("kanji.grthree.blood");
51   build_kanji.attach_tick(620)(kanji.grthree.dish);
52   expand_pbox;
53 enddef;
54
55

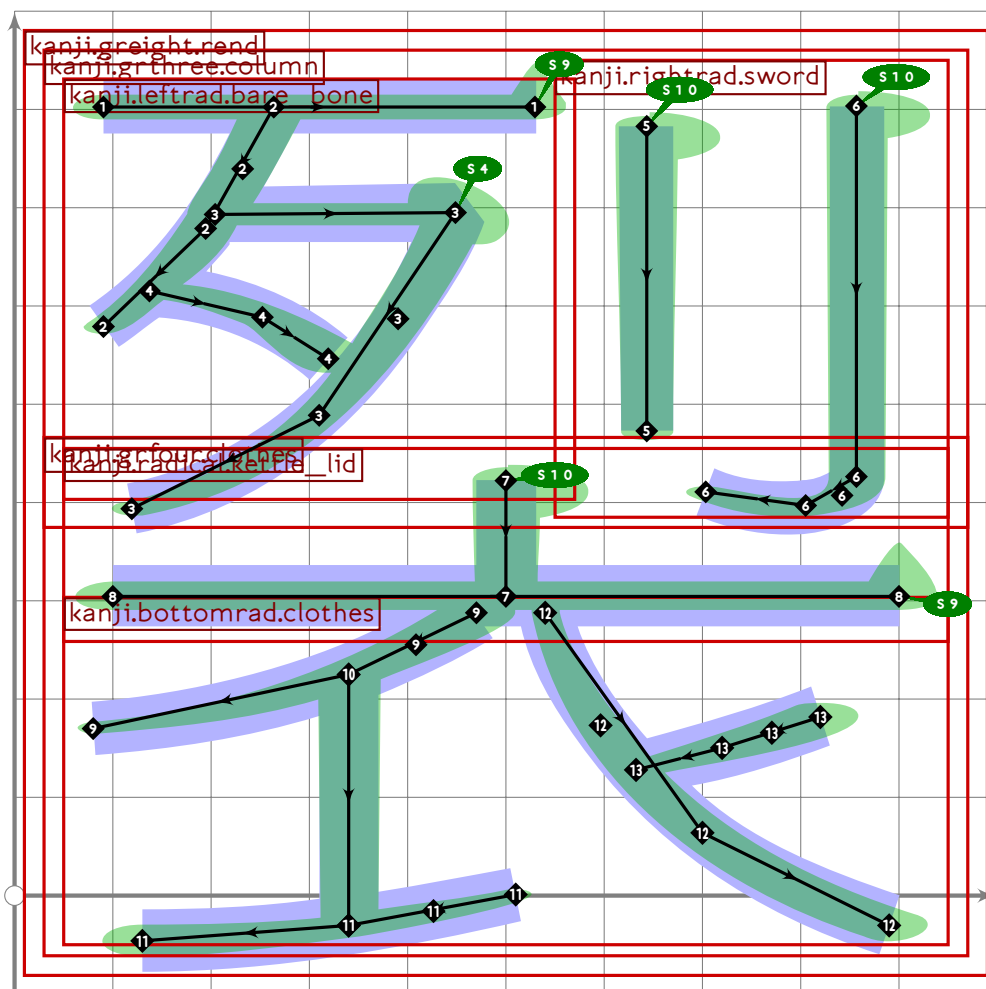
```



```

56
57 vardef kanji.grfour.clothes =
58   push_pbox_toexpand("kanji.grfour.clothes");
59   build_kanji.level(build_kanji.tb(540,80)
60     (kanji.radical.kettle_lid)
61     (kanji.bottomrad.clothes));
62   expand_pbox;
63 enddef;
64
65

```



```

66
67 vardef kanji.greight.rend =
68   push_pbox_toexpand("kanji.greight.rend");
69   build_kanji.tb(420,70)
70     (kanji.grthree.column)
71     (kanji.grfour.clothes);
72   expand_pbox;
73 enddef;
74
75
76
77 % ketsu/chi "blood"
78 beginsuglyph("uni8840";64);
79   kanji.grthree.blood;
80   tsu_render;
81 endtsuglyph;
82
83 % kou/i(ku) "go"
84 beginsuglyph("uni884C";76);
85   kanji.grtwo.go;
86   tsu_render;

```

[see page 2478]

[see page 503]

```

87 endtsuglyph;
88
89 % i/koromo "clothes"
90 begintsuglyph("uni8863";99); [see page 2479]
91   kanji.grfour.clothes;
92   tsu_render;
93 endtsuglyph;
94
95 % hyou/omote "surface"
96 begintsuglyph("uni8868";104); [see page 584]
97   kanji.grthree.surface;
98   tsu_render;
99 endtsuglyph;
100
101 % retsu/sa "rend"
102 begintsuglyph("uni88C2";194); [see page 2480]
103   kanji.greight.rend;
104   tsu_render;
105 endtsuglyph;
106
107 _____
108
109 endfont;
110
111 _____

```

tsuku-89.mp

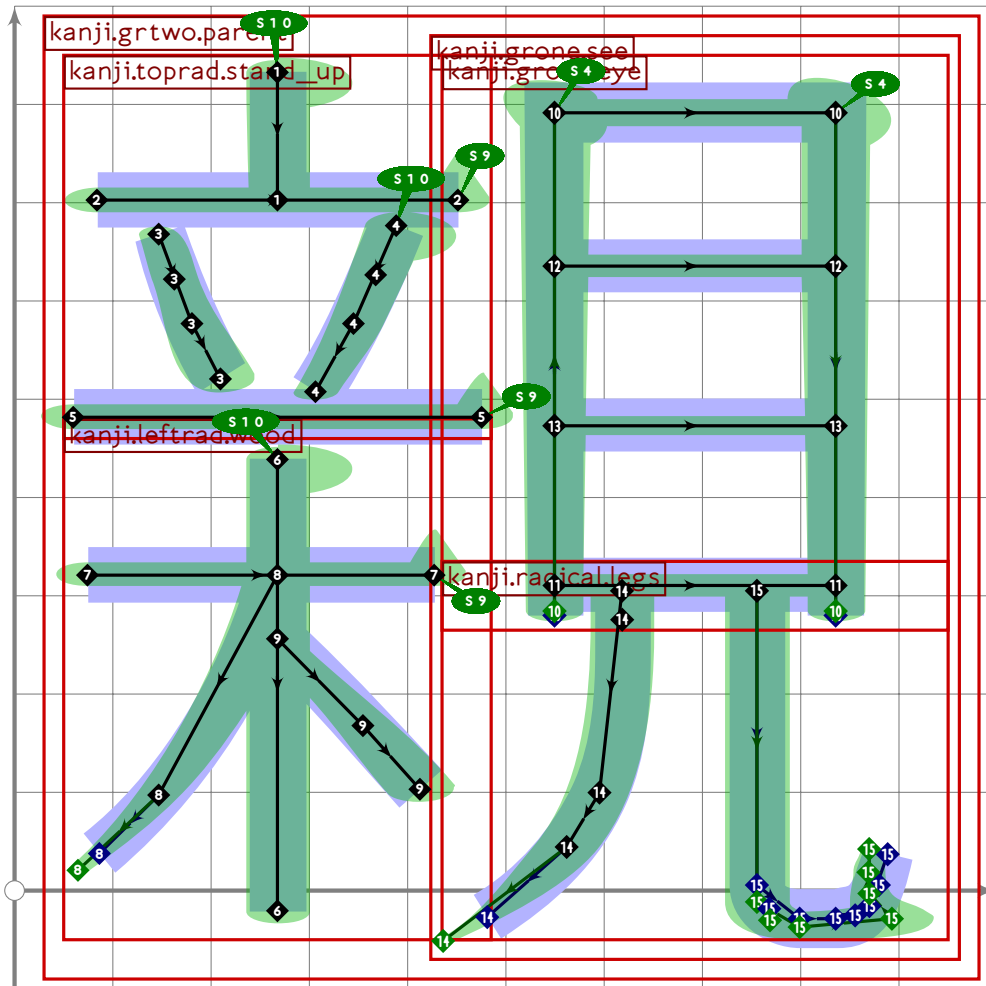
```
1 %
2 % Unicode page 89 (Kanji) for Tsukurimashou
3 % Copyright (C) 2011, 2012 Matthew Skala
4 %
5-29 [Standard copyright notice]
30
31 

---


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

---


```

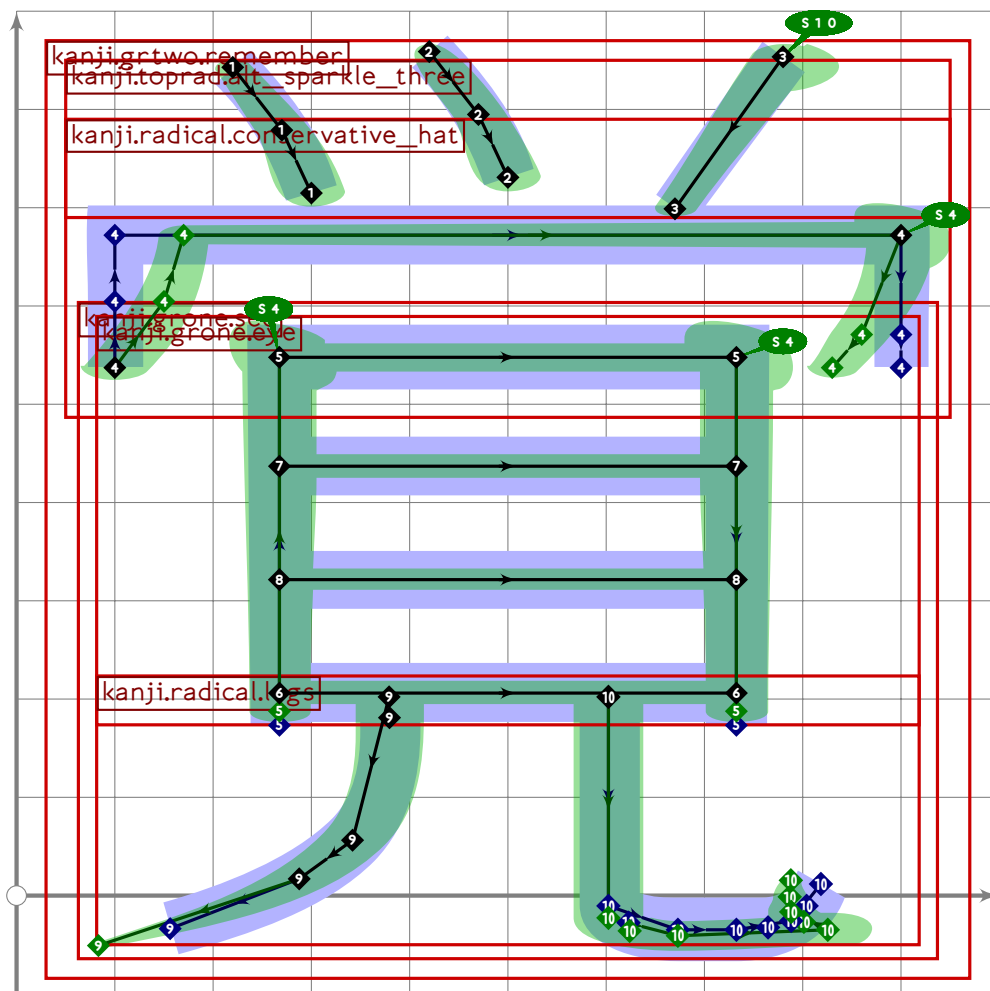


```

46
47 vardef kanji.grtwo.parent =
48   push_pbox_toexpand("kanji.grtwo.parent");
49   build_kanji.level(build_kanji.lr(460,50)
50     (build_kanji.tb(470,20)
51       (kanji.toprad.stand_up)
52       (kanji.leftrad.wood))
53     (kanji.grone.see));
54   expand_pbox;
55 enddef;
56
57

```

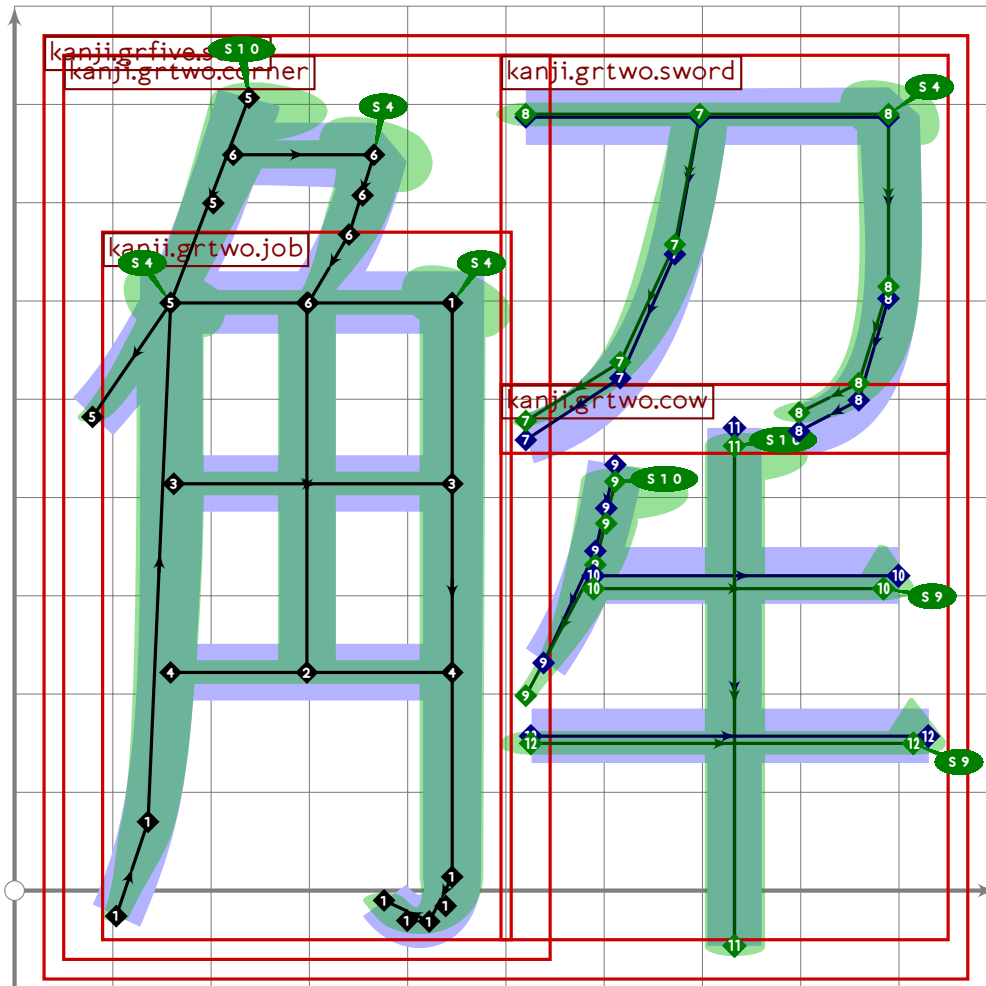
U+899A
tsuku.uni899A



```

58
59 vardef kanji.grfour.remember =
60   push_pbox_toexpand("kanji.grtwo.remember");
61   build_kanji.tb(740,100)
62     (kanji.toprad.alt_sparkle_three)
63     (build_kanji.tb(580,110)
64       (kanji.radical.conservative_hat)
65       (build_kanji.sscale(xscaled 0.93)(kanji.grone.see)));
66   expand_pbox;
67 enddef;
68
69

```



```

70
71 vardef kanji.grfive.solve =
72   push_pbox_toexpand("kanji.grfive.solve");
73   build_kanji.lr(520,50)
74     (kanji.grtwo.corner)
75     (build_kanji.level(build_kanji.tb(480,70-40*mincho)
76       (kanji.grtwo.sword)
77       (kanji.grtwo.cow)));
78   expand_pbox;
79 enddef;

```

80

81

82

83 % sai/nishi "West" or "Spain"

84 begintsuglyph("uni897F";127);

[see page 543]

85 kanji.grtwo.west;

86 tsu_render;

87 endtsuglyph;

88

89 % ken/mi "see"

90 begintsuglyph("uni898B";139);

[see page 459]

```

91  kanji.grone.see;
92  tsu_render;
93 endtsuglyph;
94
95 % kaku/obo "remember"
96 begintsuglyph("uni899A";154); [see page 2484]
97  kanji.grfour.remember;
98  tsu_render;
99 endtsuglyph;
100
101 % shin/oya/shita "parent"
102 begintsuglyph("uni89AA";170); [see page 2483]
103  kanji.grtwo.parent;
104  tsu_render;
105 endtsuglyph;
106
107 % kaku/kado "corner"
108 begintsuglyph("uni89D2";210); [see page 487]
109  kanji.grtwo.corner;
110  tsu_render;
111 endtsuglyph;
112
113 % kai/to "solve"
114 begintsuglyph("uni89E3";227); [see page 2485]
115  kanji.grfive.solve;
116  tsu_render;
117 endtsuglyph;
118
119 _____
120
121 endfont;
122
123 _____

```