

DOKUMENTACJA TECHNICZNA
FONTU MUCHA WER. I

Na następnych stronach zamieszczone są sformatowane listingi źródłowych plików fontu MUCHAI (*Musical Characters*, ver. i). Font został przygotowany za pomocą systemu METATYPE1 (bazującego na systemie METAPOST; <http://ctan.org/tex-archive/fonts/utilities/metatype1>).

Na font składają się cztery pliki `muchai.mp` (plik sterujący), `muchai.mpe` (plik definiujący kodowanie), `muchai.mph` (plik definiujący nagłówki fontu) oraz `muchai.mpg` (plik definiujący obwiednie znaków). Listing ostatniego z plików zawiera ilustracje pokazujące szczegółowo konstrukcję poszczególnych znaków.

Na końcu podane jest dodatkowo testowe zestawienie („wglądówka”) wszystkich znaków w foncie.

LISTING PLIKU muchai.mp

```
input fontbase;  
use_emergency_turningnumber;  
input muchai.mpe;  
beginfont  
maybeinput "muchai.mph";  
maybeinput "muchai.mpg";  
endfont
```

LISTING PLIKU muchai.mpe

% ENCODING

```
encode("c3_3")(33);
encode("c3_4")(34);
encode("c3_5")(35);
encode("c3_6")(36);
encode("c3_7")(37);
encode("c3_8")(38);
encode("c3_9")(39);
encode("c4_0")(40);
encode("c4_1")(41);
encode("c4_2")(42);
encode("c4_3")(43);
encode("c4_4")(44);
encode("c4_5")(45);
encode("c4_6")(46);
encode("c4_8")(48);
encode("c4_9")(49);
encode("c5_0")(50);
encode("c5_1")(51);
encode("c5_2")(52);
encode("c5_3")(53);
encode("c5_4")(54);
encode("c5_5")(55);
encode("c5_6")(56);
encode("c5_7")(57);
encode("c5_8")(58);
encode("c5_9")(59);
encode("c6_0")(60);
encode("c6_1")(61);
encode("c6_2")(62);
encode("c6_3")(63);
encode("c6_4")(64);
encode("c6_5")(65);
encode("c6_6")(66);
encode("c6_7")(67);
encode("c6_8")(68);
encode("c6_9")(69);
encode("c7_0")(70);
encode("c7_1")(71);
encode("c7_2")(72);
encode("c7_3")(73);
encode("c8_0")(80);
encode("c8_1")(81);
encode("c8_2")(82);
encode("c8_3")(83);
encode("c8_4")(84);
encode("c8_5")(85);
encode("c8_6")(86);
encode("c8_7")(87);
encode("c9_0")(90);
encode("c9_1")(91);
encode("c9_2")(92);
encode("c9_3")(93);
encode("c9_4")(94);
encode("c9_5")(95);
encode("c9_6")(96);
encode("c1_0_0")(100);
encode("c1_0_1")(101);
```

```
encode("c1_0_2")(102);
encode("c1_0_3")(103);
encode("c1_0_4")(104);
encode("c1_0_5")(105);
encode("c1_0_6")(106);
encode("c1_0_7")(107);
encode("c1_0_8")(108);
encode("c1_0_9")(109);
encode("c1_1_0")(110);
encode("c1_1_1")(111);
encode("c1_1_2")(112);
encode("c1_1_3")(113);
encode("c1_1_4")(114);
encode("c1_1_5")(115);
encode("c1_1_6")(116);
encode("c1_1_7")(117);
encode("c1_1_8")(118);
encode("c1_1_9")(119);
encode("c1_2_0")(120);
encode("c1_2_1")(121);
encode("c1_2_2")(122);
encode("c1_2_3")(123);
encode("c1_2_4")(124);
encode("c1_3_0")(130);
encode("c1_3_1")(131);
encode("c1_3_2")(132);
encode("c1_3_3")(133);
encode("c1_3_4")(134);
encode("c1_3_5")(135);
encode("c1_3_6")(136);
encode("c1_3_7")(137);
encode("c1_7_0")(170);
encode("c1_7_1")(171);
encode("c1_7_2")(172);
encode("c1_7_3")(173);
encode("c1_7_4")(174);
encode("c1_7_5")(175);
encode("c1_7_6")(176);
encode("c1_8_0")(180);
encode("c1_8_1")(181);
encode("c1_8_2")(182);
encode("c1_8_3")(183);
encode("c1_8_4")(184);
encode("c1_8_5")(185);
encode("c1_8_6")(186);
encode("c1_8_7")(187);
encode("c1_8_8")(188);
encode("c1_9_1")(191);
encode("c1_9_2")(192);
encode("c1_9_3")(193);
encode("c1_9_6")(196);
encode("c1_9_7")(197);
encode("c2_0_0")(200);
encode("c2_0_1")(201);
encode("c2_0_2")(202);
encode("c2_0_3")(203);
encode("c2_0_4")(204);
encode("c2_0_5")(205);
```

```
encode("c2_0_6")(206);  
encode("c2_0_7")(207);  
encode("c2_0_8")(208);  
encode("c2_1_0")(210);  
encode("c2_1_1")(211);  
encode("c2_1_2")(212);  
encode("c2_1_3")(213);  
encode("c2_1_4")(214);  
encode("c2_1_5")(215);  
encode("c2_1_6")(216);  
encode("c2_1_7")(217);  
encode("c2_1_8")(218);  
endinput
```

LISTING PLIKU muchai.mph

```

% FONT INFORMATIONS
pf_info_familyname "Musical_Characters";
pf_info_weight "Normal";
pf_info_fontname "Musical-Characters", "Musical_Characters";
pf_info_version "I";
pf_info_encoding "Windows";
pf_info_italicangle 0;
pf_info_underline -264, 0;
pf_info_fixedpitch false;
pf_info_ascender416;
pf_info_descender0;
pf_info_adl 1000, 500, 0;
blue_scale := 0.022727273;
pf_info_overshoots(0, -10), (3, 2), (111, 44), (350, 660);
pf_info_capheight 373;
pf_info_xheight 127;
pf_info_creationdate;
italic_shift := 0;
% UniqueID
% FontMatrix 0.001 0 0 0.001 0 0
% FontBBox -71 -1200 1002 1359
% StdHW 33
% StdVW 23
% StemSnapH 33
% StemSnapV 23

% INTRODUCE CHARS
standard_introduce("c3_3"); assign_name c 3_3("c33");
standard_introduce("c3_4"); assign_name c 3_4("c34");
standard_introduce("c3_5"); assign_name c 3_5("c35");
standard_introduce("c3_6"); assign_name c 3_6("c36");
standard_introduce("c3_7"); assign_name c 3_7("c37");
standard_introduce("c3_8"); assign_name c 3_8("c38");
standard_introduce("c3_9"); assign_name c 3_9("c39");
standard_introduce("c4_0"); assign_name c 4_0("c40");
standard_introduce("c4_1"); assign_name c 4_1("c41");
standard_introduce("c4_2"); assign_name c 4_2("c42");
standard_introduce("c4_3"); assign_name c 4_3("c43");
standard_introduce("c4_4"); assign_name c 4_4("c44");
standard_introduce("c4_5"); assign_name c 4_5("c45");
standard_introduce("c4_6"); assign_name c 4_6("c46");
standard_introduce("c4_8"); assign_name c 4_8("c48");
standard_introduce("c4_9"); assign_name c 4_9("c49");
standard_introduce("c5_0"); assign_name c 5_0("c50");
standard_introduce("c5_1"); assign_name c 5_1("c51");
standard_introduce("c5_2"); assign_name c 5_2("c52");
standard_introduce("c5_3"); assign_name c 5_3("c53");
standard_introduce("c5_4"); assign_name c 5_4("c54");
standard_introduce("c5_5"); assign_name c 5_5("c55");
standard_introduce("c5_6"); assign_name c 5_6("c56");
standard_introduce("c5_7"); assign_name c 5_7("c57");
standard_introduce("c5_8"); assign_name c 5_8("c58");
standard_introduce("c5_9"); assign_name c 5_9("c59");
standard_introduce("c6_0"); assign_name c 6_0("c60");
standard_introduce("c6_1"); assign_name c 6_1("c61");
standard_introduce("c6_2"); assign_name c 6_2("c62");
standard_introduce("c6_3"); assign_name c 6_3("c63");
standard_introduce("c6_4"); assign_name c 6_4("c64");

```

```

standard_introduce("c6_5"); assign_name c 6_5("c65");
standard_introduce("c6_6"); assign_name c 6_6("c66");
standard_introduce("c6_7"); assign_name c 6_7("c67");
standard_introduce("c6_8"); assign_name c 6_8("c68");
standard_introduce("c6_9"); assign_name c 6_9("c69");
standard_introduce("c7_0"); assign_name c 7_0("c70");
standard_introduce("c7_1"); assign_name c 7_1("c71");
standard_introduce("c7_2"); assign_name c 7_2("c72");
standard_introduce("c7_3"); assign_name c 7_3("c73");
standard_introduce("c8_0"); assign_name c 8_0("c80");
standard_introduce("c8_1"); assign_name c 8_1("c81");
standard_introduce("c8_2"); assign_name c 8_2("c82");
standard_introduce("c8_3"); assign_name c 8_3("c83");
standard_introduce("c8_4"); assign_name c 8_4("c84");
standard_introduce("c8_5"); assign_name c 8_5("c85");
standard_introduce("c8_6"); assign_name c 8_6("c86");
standard_introduce("c8_7"); assign_name c 8_7("c87");
standard_introduce("c9_0"); assign_name c 9_0("c90");
standard_introduce("c9_1"); assign_name c 9_1("c91");
standard_introduce("c9_2"); assign_name c 9_2("c92");
standard_introduce("c9_3"); assign_name c 9_3("c93");
standard_introduce("c9_4"); assign_name c 9_4("c94");
standard_introduce("c9_5"); assign_name c 9_5("c95");
standard_introduce("c9_6"); assign_name c 9_6("c96");
standard_introduce("c1_0_0"); assign_name c 1_0_0("c100");
standard_introduce("c1_0_1"); assign_name c 1_0_1("c101");
standard_introduce("c1_0_2"); assign_name c 1_0_2("c102");
standard_introduce("c1_0_3"); assign_name c 1_0_3("c103");
standard_introduce("c1_0_4"); assign_name c 1_0_4("c104");
standard_introduce("c1_0_5"); assign_name c 1_0_5("c105");
standard_introduce("c1_0_6"); assign_name c 1_0_6("c106");
standard_introduce("c1_0_7"); assign_name c 1_0_7("c107");
standard_introduce("c1_0_8"); assign_name c 1_0_8("c108");
standard_introduce("c1_0_9"); assign_name c 1_0_9("c109");
standard_introduce("c1_1_0"); assign_name c 1_1_0("c110");
standard_introduce("c1_1_1"); assign_name c 1_1_1("c111");
standard_introduce("c1_1_2"); assign_name c 1_1_2("c112");
standard_introduce("c1_1_3"); assign_name c 1_1_3("c113");
standard_introduce("c1_1_4"); assign_name c 1_1_4("c114");
standard_introduce("c1_1_5"); assign_name c 1_1_5("c115");
standard_introduce("c1_1_6"); assign_name c 1_1_6("c116");
standard_introduce("c1_1_7"); assign_name c 1_1_7("c117");
standard_introduce("c1_1_8"); assign_name c 1_1_8("c118");
standard_introduce("c1_1_9"); assign_name c 1_1_9("c119");
standard_introduce("c1_2_0"); assign_name c 1_2_0("c120");
standard_introduce("c1_2_1"); assign_name c 1_2_1("c121");
standard_introduce("c1_2_2"); assign_name c 1_2_2("c122");
standard_introduce("c1_2_3"); assign_name c 1_2_3("c123");
standard_introduce("c1_2_4"); assign_name c 1_2_4("c124");
standard_introduce("c1_3_0"); assign_name c 1_3_0("c130");
standard_introduce("c1_3_1"); assign_name c 1_3_1("c131");
standard_introduce("c1_3_2"); assign_name c 1_3_2("c132");
standard_introduce("c1_3_3"); assign_name c 1_3_3("c133");
standard_introduce("c1_3_4"); assign_name c 1_3_4("c134");
standard_introduce("c1_3_5"); assign_name c 1_3_5("c135");
standard_introduce("c1_3_6"); assign_name c 1_3_6("c136");
standard_introduce("c1_3_7"); assign_name c 1_3_7("c137");
standard_introduce("c1_7_0"); assign_name c 1_7_0("c170");

```

```

standard_introduce("c1_7_1"); assign_name c 1_7.1("c171");
standard_introduce("c1_7_2"); assign_name c 1_7.2("c172");
standard_introduce("c1_7_3"); assign_name c 1_7.3("c173");
standard_introduce("c1_7_4"); assign_name c 1_7.4("c174");
standard_introduce("c1_7_5"); assign_name c 1_7.5("c175");
standard_introduce("c1_7_6"); assign_name c 1_7.6("c176");
standard_introduce("c1_8_0"); assign_name c 1_8.0("c180");
standard_introduce("c1_8_1"); assign_name c 1_8.1("c181");
standard_introduce("c1_8_2"); assign_name c 1_8.2("c182");
standard_introduce("c1_8_3"); assign_name c 1_8.3("c183");
standard_introduce("c1_8_4"); assign_name c 1_8.4("c184");
standard_introduce("c1_8_5"); assign_name c 1_8.5("c185");
standard_introduce("c1_8_6"); assign_name c 1_8.6("c186");
standard_introduce("c1_8_7"); assign_name c 1_8.7("c187");
standard_introduce("c1_8_8"); assign_name c 1_8.8("c188");
standard_introduce("c1_9_1"); assign_name c 1_9.1("c191");
standard_introduce("c1_9_2"); assign_name c 1_9.2("c192");
standard_introduce("c1_9_3"); assign_name c 1_9.3("c193");
standard_introduce("c1_9_6"); assign_name c 1_9.6("c196");
standard_introduce("c1_9_7"); assign_name c 1_9.7("c197");
standard_introduce("c2_0_0"); assign_name c 2_0.0("c200");
standard_introduce("c2_0_1"); assign_name c 2_0.1("c201");
standard_introduce("c2_0_2"); assign_name c 2_0.2("c202");
standard_introduce("c2_0_3"); assign_name c 2_0.3("c203");
standard_introduce("c2_0_4"); assign_name c 2_0.4("c204");
standard_introduce("c2_0_5"); assign_name c 2_0.5("c205");
standard_introduce("c2_0_6"); assign_name c 2_0.6("c206");
standard_introduce("c2_0_7"); assign_name c 2_0.7("c207");
standard_introduce("c2_0_8"); assign_name c 2_0.8("c208");
standard_introduce("c2_1_0"); assign_name c 2_1.0("c210");
standard_introduce("c2_1_1"); assign_name c 2_1.1("c211");
standard_introduce("c2_1_2"); assign_name c 2_1.2("c212");
standard_introduce("c2_1_3"); assign_name c 2_1.3("c213");
standard_introduce("c2_1_4"); assign_name c 2_1.4("c214");
standard_introduce("c2_1_5"); assign_name c 2_1.5("c215");
standard_introduce("c2_1_6"); assign_name c 2_1.6("c216");
standard_introduce("c2_1_7"); assign_name c 2_1.7("c217");
standard_introduce("c2_1_8"); assign_name c 2_1.8("c218");

```

% METRICS

```

note_wd = 300;
note_ht = 875;
line_wd = 26;
small_spread = 160; % for "small equal", c83

line_wd' = round(line_wd * sqrt 2);
line_wd' := line_wd' - (line_wd' mod 2);

equal_line_wd = round(1.85line_wd);
equal_line_wd := equal_line_wd - (equal_line_wd mod 2);
equal_spread = 200;
equal_wd = 360;

wd.c 3_3 = 422;
wd.c 3_4 = 420;
wd.c 3_5 = 636;
wd.c 3_6 = 666;
wd.c 3_7 = 674;
wd.c 3_8 = 583;

```

$wd.c\ 3_{-9} = 495;$
 $wd.c\ 4_{-0} = 175;$
 $wd.c\ 4_{-1} = 225;$
 $wd.c\ 4_{-2} = 199;$
 $wd.c\ 4_{-3} = 266;$
 $wd.c\ 4_{-4} = 366;$
 $wd.c\ 4_{-5} = 713;$
 $wd.c\ 4_{-6} = 361;$
 $wd.c\ 4_{-8} = 361;$
 $wd.c\ 4_{-9} = 250;$
 $wd.c\ 5_{-0} = 340;$
 $wd.c\ 5_{-1} = 324;$
 $wd.c\ 5_{-2} = 328;$
 $wd.c\ 5_{-3} = 301;$
 $wd.c\ 5_{-4} = 334;$
 $wd.c\ 5_{-5} = 342;$
 $wd.c\ 5_{-6} = 326;$
 $wd.c\ 5_{-7} = 336;$
 $wd.c\ 5_{-8} = 1000;$
 $wd.c\ 5_{-9} = 500;$
 $wd.c\ 6_{-0} = 148;$
 $wd.c\ 6_{-1} = 313;$
 $wd.c\ 6_{-2} = 313;$
 $wd.c\ 6_{-3} = 563;$
 $wd.c\ 6_{-4} = 563;$
 $wd.c\ 6_{-5} = 256;$
 $wd.c\ 6_{-6} = 282;$
 $wd.c\ 6_{-7} = 349;$
 $wd.c\ 6_{-8} = 417;$
 $wd.c\ 6_{-9} = 484;$
 $wd.c\ 7_{-0} = 282;$
 $wd.c\ 7_{-1} = 282;$
 $wd.c\ 7_{-2} = 658;$
 $wd.c\ 7_{-3} = 658;$
 $wd.c\ 8_{-0} = note_wd;$
 $wd.c\ 8_{-1} = note_wd;$
 $wd.c\ 8_{-2} = note_wd;$
 $wd.c\ 8_{-3} = note_wd;$
 $wd.c\ 8_{-4} = 210;$
 $wd.c\ 8_{-5} = 210;$
 $wd.c\ 8_{-6} = 210;$
 $wd.c\ 8_{-7} = 210;$
 $wd.c\ 9_{-0} = 299;$
 $wd.c\ 9_{-1} = 299;$
 $wd.c\ 9_{-2} = 301;$
 $wd.c\ 9_{-3} = 299;$
 $wd.c\ 9_{-4} = 299;$
 $wd.c\ 9_{-5} = 301;$
 $wd.c\ 9_{-6} = 299;$
 $wd.c\ 1_{-0,0} = 129;$
 $wd.c\ 1_{-0,1} = 129;$
 $wd.c\ 1_{-0,2} = 227;$
 $wd.c\ 1_{-0,3} = 299;$
 $wd.c\ 1_{-0,4} = 299;$
 $wd.c\ 1_{-0,5} = 262;$
 $wd.c\ 1_{-0,6} = 262;$
 $wd.c\ 1_{-0,7} = 277;$
 $wd.c\ 1_{-0,8} = 277;$

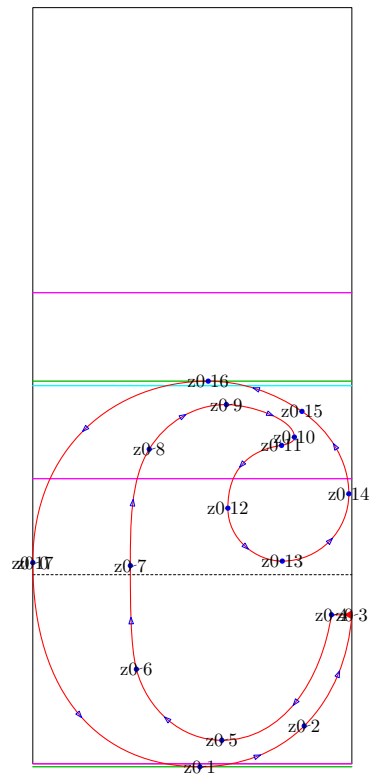
$wd.c\ 1_{-0_9} = 299;$
 $wd.c\ 1_{-1_0} = 299;$
 $wd.c\ 1_{-1_1} = 229;$
 $wd.c\ 1_{-1_2} = 229;$
 $wd.c\ 1_{-1_3} = 416;$
 $wd.c\ 1_{-1_4} = 416;$
 $wd.c\ 1_{-1_5} = 340;$
 $wd.c\ 1_{-1_6} = 340;$
 $wd.c\ 1_{-1_7} = 122;$
 $wd.c\ 1_{-1_8} = 94;$
 $wd.c\ 1_{-1_9} = 119;$
 $wd.c\ 1_{-2_0} = 180;$
 $wd.c\ 1_{-2_1} = 610;$
 $wd.c\ 1_{-2_2} = 512;$
 $wd.c\ 1_{-2_3} = 174;$
 $wd.c\ 1_{-2_4} = 122;$
 $wd.c\ 1_{-3_0} = 467;$
 $wd.c\ 1_{-3_1} = 496;$
 $wd.c\ 1_{-3_2} = 605;$
 $wd.c\ 1_{-3_3} = 586;$
 $wd.c\ 1_{-3_4} = 852;$
 $wd.c\ 1_{-3_5} = 637;$
 $wd.c\ 1_{-3_6} = 637;$
 $wd.c\ 1_{-3_7} = 414;$
 $wd.c\ 1_{-7_0} = 412;$
 $wd.c\ 1_{-7_1} = 298;$
 $wd.c\ 1_{-7_2} = 298;$
 $wd.c\ 1_{-7_3} = 548;$
 $wd.c\ 1_{-7_4} = 558;$
 $wd.c\ 1_{-7_5} = 560;$
 $wd.c\ 1_{-7_6} = 560;$
 $wd.c\ 1_{-8_0} = 301;$
 $wd.c\ 1_{-8_1} = 299;$
 $wd.c\ 1_{-8_2} = 299;$
 $wd.c\ 1_{-8_3} = 301;$
 $wd.c\ 1_{-8_4} = 299;$
 $wd.c\ 1_{-8_5} = 299;$

 $wd.c\ 1_{-8_6} = note_wd;$
 $wd.c\ 1_{-8_7} = 548;$
 $wd.c\ 1_{-8_8} = 548;$
 $wd.c\ 1_{-9_1} = note_wd;$
 $wd.c\ 1_{-9_2} = note_wd;$
 $wd.c\ 1_{-9_3} = note_wd;$

 $wd.c\ 1_{-9_6} = 569;$
 $wd.c\ 1_{-9_7} = 299;$
 $wd.c\ 2_{-0_0} = 274;$
 $wd.c\ 2_{-0_1} = 284;$
 $wd.c\ 2_{-0_2} = 274;$
 $wd.c\ 2_{-0_3} = 284;$
 $wd.c\ 2_{-0_4} = 277;$
 $wd.c\ 2_{-0_5} = 277;$
 $wd.c\ 2_{-0_6} = 299;$
 $wd.c\ 2_{-0_7} = 299;$
 $wd.c\ 2_{-0_8} = 299;$
 $wd.c\ 2_{-1_0} = 250;$
 $wd.c\ 2_{-1_1} = 1000;$
 $wd.c\ 2_{-1_2} = line_wd;$

```
wd.c 2-1_3 = 150;  
  
% full pause revolved  
wd.c 2-1_4 = 313;  
wd.c 2-1_5 = 137;  
  
% grace note with the stem down and a proper slash  
wd.c 2-1_6 = 398;  
  
% equal (wider than c83) and approximate equal, i.e., double tilde  
wd.c 2-1_7 = equal_wd;  
wd.c 2-1_8 = equal_wd;  
  
endinput
```


LISTING PLIKU muchai.mpg

Construction of the character c_{33} :| Konstrukcja znaku c_{33} :

```

beginglyph(c 3.3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 16)$ ;  $z_{0\ 0a} = (0, -159)$ ;  $z_{0\ 1b} = (89, -254)$ ;
   $z_{0\ 1} = (221, -254)$ ;  $z_{0\ 1a} = (273, -254)$ ;  $z_{0\ 2b} = (323, -236)$ ;
   $z_{0\ 2} = (359, -200)$ ;  $z_{0\ 2a} = (398, -161)$ ;  $z_{0\ 3b} = (418, -108)$ ;
   $z_{0\ 3} = (422, -53)$ ;
   $z_{0\ 4} = (395, -53)$ ;  $z_{0\ 4a} = (382, -139)$ ;  $z_{0\ 5b} = (331, -219)$ ;
   $z_{0\ 5} = (250, -219)$ ;  $z_{0\ 5a} = (196, -219)$ ;  $z_{0\ 6b} = (151, -178)$ ;
   $z_{0\ 6} = (137, -125)$ ;  $z_{0\ 6a} = (129, -94)$ ;  $z_{0\ 7b} = (129, -34)$ ;
   $z_{0\ 7} = (129, 12)$ ;  $z_{0\ 7a} = (129, 65)$ ;  $z_{0\ 8b} = (129, 126)$ ;
   $z_{0\ 8} = (154, 166)$ ;  $z_{0\ 8a} = (176, 202)$ ;  $z_{0\ 9b} = (214, 225)$ ;
   $z_{0\ 9} = (256, 225)$ ;  $z_{0\ 9a} = (287, 225)$ ;  $z_{0\ 10b} = (346, 206)$ ;
   $z_{0\ 10} = (346, 182)$ ;  $z_{0\ 10a} = (346, 175)$ ;  $z_{0\ 11b} = (337, 173)$ ;
   $z_{0\ 11} = (329, 171)$ ;  $z_{0\ 11a} = (286, 165)$ ;  $z_{0\ 12b} = (258, 139)$ ;
   $z_{0\ 12} = (258, 88)$ ;  $z_{0\ 12a} = (258, 47)$ ;  $z_{0\ 13b} = (295, 18)$ ;
   $z_{0\ 13} = (330, 18)$ ;  $z_{0\ 13a} = (379, 18)$ ;  $z_{0\ 14b} = (418, 58)$ ;
   $z_{0\ 14} = (418, 107)$ ;  $z_{0\ 14a} = (418, 151)$ ;  $z_{0\ 15b} = (392, 191)$ ;
   $z_{0\ 15} = (356, 216)$ ;  $z_{0\ 15a} = (319, 241)$ ;  $z_{0\ 16b} = (276, 256)$ ;
   $z_{0\ 16} = (232, 256)$ ;  $z_{0\ 16a} = (109, 256)$ ;  $z_{0\ 17b} = (0, 169)$ ;
   $z_{0\ 17} = (0, 16)$ ;
   $p_0 = \text{compose\_path}_{z_0}(17)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

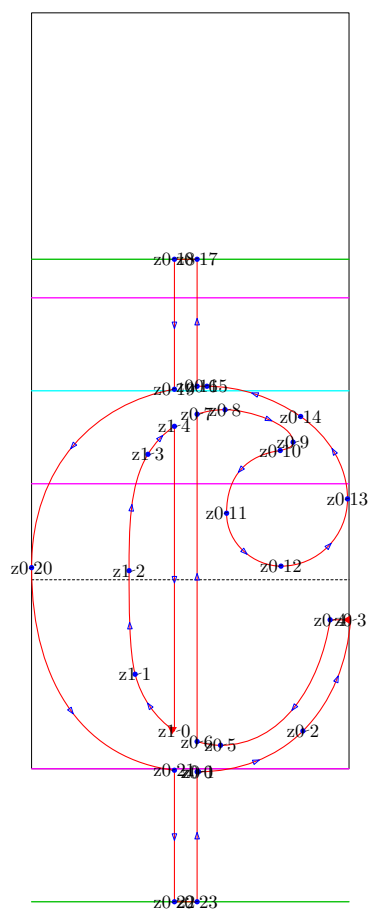
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(35)( $p_0$ ) $\text{candidate\_list}(y)(-254, -219)$ ;
  fix_hstem(31)( $p_0$ ) $\text{candidate\_list}(y)(225, 256)$ ;
  fix_vstem(72)( $p_0$ ) $\text{candidate\_list}(x)(346, 418)$ ;
  fix_vstem(129)( $p_0$ ) $\text{candidate\_list}(x)(0, 129)$ ;
  standard_exact_hsbw("c3_3");
endglyph;

```

Construction of the character c34:

| Konstrukcja znaku c34:



```

beginlyph(c 3.4);
  save p; path p[];

  z0 0 = (219, -254); z0 0a = (219, -254); z0 1b = (221, -254);
  z0 1 = (221, -254); z0 1a = (273, -254); z0 2b = (323, -236);
  z0 2 = (359, -200); z0 2a = (398, -161); z0 3b = (418, -108);
  z0 3 = (422, -53);
  z0 4 = (395, -53); z0 4a = (382, -139); z0 5b = (331, -219);
  z0 5 = (250, -219); z0 5a = (239, -219); z0 6b = (229, -217);
  z0 6 = (219, -214);
  z0 7 = (219, 219); z0 7a = (231, 223); z0 8b = (243, 225);
  z0 8 = (256, 225); z0 8a = (287, 225); z0 9b = (346, 206);
  z0 9 = (346, 182); z0 9a = (346, 175); z0 10b = (337, 173);
  z0 10 = (329, 171); z0 10a = (286, 165); z0 11b = (258, 139);
  z0 11 = (258, 88); z0 11a = (258, 47); z0 12b = (295, 18);
  z0 12 = (330, 18); z0 12a = (379, 18); z0 13b = (418, 58);
  z0 13 = (418, 107); z0 13a = (418, 151); z0 14b = (392, 191);
  z0 14 = (356, 216); z0 14a = (319, 241); z0 15b = (276, 256);
  z0 15 = (232, 256); z0 15a = (228, 256); z0 16b = (223, 256);
  z0 16 = (219, 256);
  z0 17 = (219, 424);
  z0 18 = (189, 424);
  z0 19 = (189, 252); z0 19a = (85, 234); z0 20b = (0, 151);
  z0 20 = (0, 16); z0 20a = (0, -144); z0 21b = (75, -238);
  z0 21 = (189, -252);
  z0 22 = (189, -426);
  z0 23 = (219, -426);
  p0 = compose_path_z0(23);

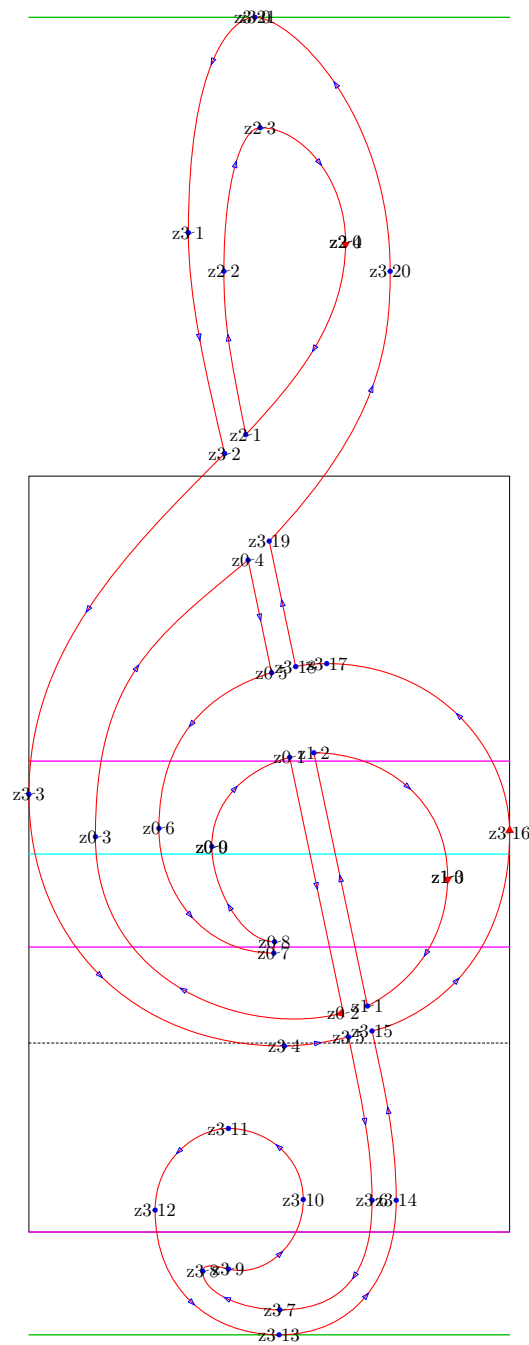
  z1 0 = (189, -200); z1 0a = (164, -183); z1 1b = (145, -156);
  z1 1 = (137, -125); z1 1a = (129, -94); z1 2b = (129, -34);
  z1 2 = (129, 12); z1 2a = (129, 65); z1 3b = (129, 126);
  z1 3 = (154, 166); z1 3a = (163, 181); z1 4b = (175, 194);
  z1 4 = (189, 203);
  p1 = compose_path_z1(4);

  correct_path_directions(p0, p1)(p);

  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;

  fix_hstem(35)(p0, p1)candidate_list(y)(-254, -219);
  fix_hstem(31)(p0, p1)candidate_list(y)(225, 256);
  fix_vstem(72)(p0, p1)candidate_list(x)(346, 418);
  fix_vstem(129)(p0, p1)candidate_list(x)(0, 129);
  fix_vstem(30)(p0, p1)candidate_list(x)(189, 219);
  ghost_stem top;
  standard_exact_hsbw("c3_4");
endglyph;

```

Construction of the character c_{35} :| Konstrukcja znaku c_{35} :

```

beginlyph(c 3.5);
save p; path p[];

z0 0 = (242, 260); z0 0a = (242, 320); z0 1b = (287, 362);
z0 1 = (345, 378);
z0 2 = (416, 40); z0 2a = (291, 6); z0 3b = (88, 76);
z0 3 = (88, 273); z0 3a = (88, 482); z0 4b = (165, 535);
z0 4 = (290, 639); z0 4a = (300, 589); z0 5b = (310, 542);
z0 5 = (321, 490); z0 5a = (239, 465); z0 6b = (172, 405);
z0 6 = (172, 284); z0 6a = (172, 201); z0 7b = (229, 119);
z0 7 = (324, 119);
z0 8 = (325, 134); z0 8a = (279, 134); z0 9b = (242, 211);
z0 9 = (242, 260);
p0 = compose_pathz0(9);

z1 0 = (554, 220); z1 0a = (554, 146); z1 1b = (515, 84);
z1 1 = (448, 49);
z1 2 = (377, 384); z1 2a = (470, 384); z1 3b = (554, 321);
z1 3 = (554, 220);
p1 = compose_pathz1(3);

z2 0 = (419, 1060); z2 0a = (419, 954); z2 1b = (354, 877);
z2 1 = (287, 805); z2 1a = (264, 919); z2 2b = (258, 957);
z2 2 = (258, 1021); z2 2a = (258, 1142); z2 3b = (282, 1211);
z2 3 = (306, 1211); z2 3a = (362, 1211); z2 4b = (419, 1141);
z2 4 = (419, 1060);
p2 = compose_pathz2(4);

z3 0 = (299, 1357); z3 0a = (268, 1357); z3 1b = (211, 1299);
z3 1 = (211, 1072); z3 1a = (211, 986); z3 2b = (233, 890);
z3 2 = (259, 780); z3 2a = (124, 645); z3 3b = (0, 518);
z3 3 = (0, 329); z3 3a = (0, 137); z3 4b = (136, -4);
z3 4 = (338, -4); z3 4a = (365, -4); z3 5b = (397, 2);
z3 5 = (423, 8); z3 5a = (439, -73); z3 6b = (454, -134);
z3 6 = (454, -208); z3 6a = (454, -278); z3 7b = (435, -353);
z3 7 = (332, -353); z3 7a = (285, -353); z3 8b = (230, -332);
z3 8 = (230, -302); z3 8a = (230, -290); z3 9b = (253, -296);
z3 9 = (264, -299); z3 9a = (312, -311); z3 10b = (363, -266);
z3 10 = (363, -207); z3 10a = (363, -149); z3 11b = (312, -113);
z3 11 = (264, -113); z3 11a = (221, -113); z3 12b = (167, -155);
z3 12 = (167, -221); z3 12a = (167, -325); z3 13b = (240, -386);
z3 13 = (331, -386); z3 13a = (430, -386); z3 14b = (486, -310);
z3 14 = (486, -208); z3 14a = (486, -123); z3 15b = (469, -54);
z3 15 = (454, 16); z3 15a = (508, 28); z3 16b = (636, 92);
z3 16 = (636, 278); z3 16a = (636, 390); z3 17b = (540, 502);
z3 17 = (394, 502); z3 17a = (381, 502); z3 18b = (366, 501);
z3 18 = (353, 498); z3 18a = (341, 554); z3 19b = (330, 608);
z3 19 = (318, 664); z3 19a = (465, 819); z3 20b = (478, 924);
z3 20 = (478, 1021); z3 20a = (478, 1229); z3 21b = (348, 1357);
z3 21 = (299, 1357);
p3 = compose_pathz3(21);

correct_path_directions(p0, p1, p2, p3)(p);

if turningnumber p0 > 0: Fill else: unFill fi p0;
if turningnumber p1 > 0: Fill else: unFill fi p1;
if turningnumber p2 > 0: Fill else: unFill fi p2;
if turningnumber p3 > 0: Fill else: unFill fi p3;

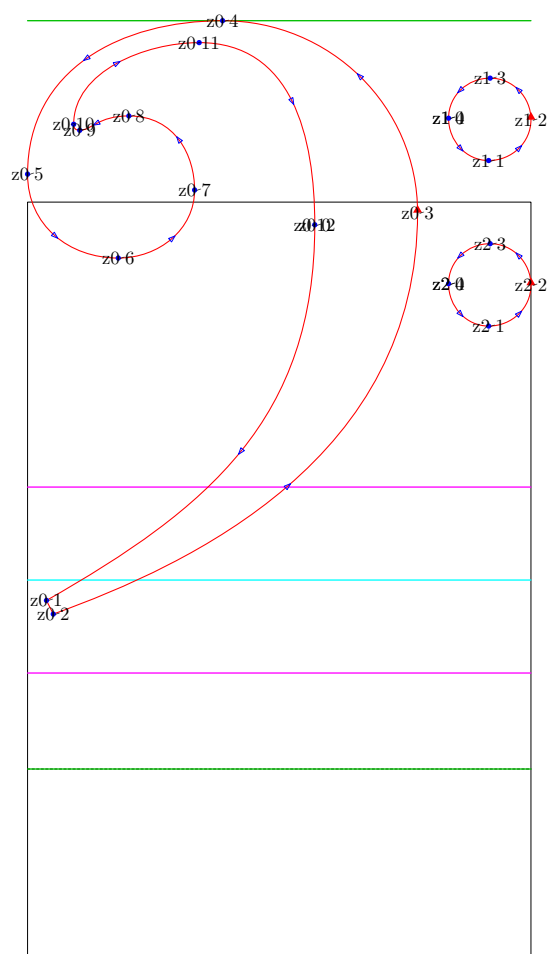
fix_hstem(146)(p0, p1, p2, p3)candidate_list(y)(1211, 1357);
fix_hstem(15)(p0, p1, p2, p3)candidate_list(y)(119, 134);

```

```

fix_hstem(33)(p0, p1, p2, p3)candidate_list(y)(−386, −353);
fix_hstem(118)(p0, p1, p2, p3)candidate_list(y)(384, 502);
fix_vstem(82)(p0, p1, p2, p3)candidate_list(x)(554, 636);
fix_vstem(47)(p0, p1, p2, p3)candidate_list(x)(211, 258);
fix_vstem(88)(p0, p1, p2, p3)candidate_list(x)(0, 88);
fix_vstem(32)(p0, p1, p2, p3)candidate_list(x)(454, 486);
standard_exact_hsbw("c3_5");
endglyph;

```


Construction of the character $\mathbf{c36}$:| Konstrukcja znaku $\mathbf{c36}$:

```

beginlyph(c 3.6);
save p; path p[];

z0 0 = (380, 720); z0 0a = (380, 463); z0 1b = (239, 345);
z0 1 = (25, 223);
z0 2 = (34, 205); z0 2a = (217, 271); z0 3b = (516, 412);
z0 3 = (516, 736); z0 3a = (516, 877); z0 4b = (400, 990);
z0 4 = (258, 990); z0 4a = (124, 990); z0 5b = (0, 926);
z0 5 = (0, 787); z0 5a = (0, 719); z0 6b = (55, 676);
z0 6 = (120, 676); z0 6a = (174, 676); z0 7b = (221, 714);
z0 7 = (221, 766); z0 7a = (221, 811); z0 8b = (196, 864);
z0 8 = (134, 864); z0 8a = (93, 864); z0 9b = (85, 845);
z0 9 = (69, 845); z0 9a = (64, 845); z0 10b = (61, 847);
z0 10 = (61, 853); z0 10a = (61, 923); z0 11b = (156, 961);
z0 11 = (227, 961); z0 11a = (350, 961); z0 12b = (380, 837);
z0 12 = (380, 720);
p0 = compose_path_z0(12);

z1 0 = (557, 861); z1 0a = (557, 831); z1 1b = (580, 805);
z1 1 = (610, 805); z1 1a = (641, 805); z1 2b = (666, 829);
z1 2 = (666, 859); z1 2a = (666, 889); z1 3b = (642, 914);
z1 3 = (612, 914); z1 3a = (582, 914); z1 4b = (557, 891);
z1 4 = (557, 861);
p1 = compose_path_z1(4);

z2 0 = (557, 642); z2 0a = (557, 612); z2 1b = (580, 586);
z2 1 = (610, 586); z2 1a = (641, 586); z2 2b = (666, 610);
z2 2 = (666, 640); z2 2a = (666, 670); z2 3b = (642, 695);
z2 3 = (612, 695); z2 3a = (582, 695); z2 4b = (557, 672);
z2 4 = (557, 642);
p2 = compose_path_z2(4);

correct_path_directions(p0, p1, p2)(p);

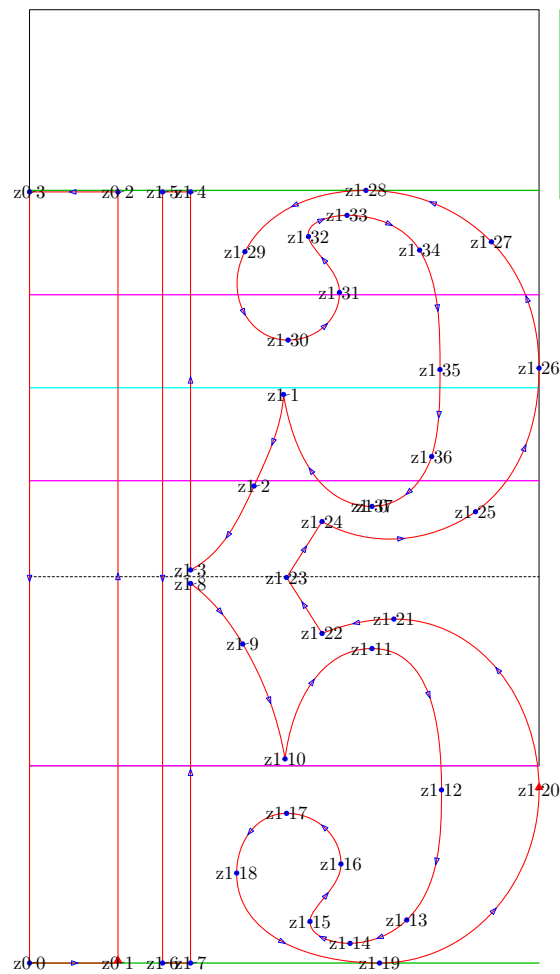
if turningnumber p0 > 0: Fill else: unFill fi p0;
if turningnumber p1 > 0: Fill else: unFill fi p1;
if turningnumber p2 > 0: Fill else: unFill fi p2;

fix_hstem(29)(p0, p1, p2)candidate_list(y)(961, 990);
fix_hstem(109)(p0, p1, p2)candidate_list(y)(586, 695, 805, 914);
fix_vstem(61)(p0, p1, p2)candidate_list(x)(0, 61);
fix_vstem(109)(p0, p1, p2)candidate_list(x)(557, 666);
fix_vstem(136)(p0, p1, p2)candidate_list(x)(380, 516);
standard_exact_hsbw("c3_6");
endglyph;

```

Construction of the character c37:

| Konstrukcja znaku c37:



```

beginlyph(c 3.7);
save p; path p[];

z0 0 = (0, -511);
z0 1 = (117, -511);
z0 2 = (117, 509);
z0 3 = (0, 509);
p0 = compose_path_z0(3);

z1 0 = (453, 93); z1 0a = (384, 93); z1 1b = (348, 167);
z1 1 = (336, 241); z1 1a = (334, 199); z1 2b = (315, 159);
z1 2 = (297, 120); z1 2a = (277, 76); z1 3b = (255, 30);
z1 3 = (213, 9);
z1 4 = (213, 509);
z1 5 = (176, 509);
z1 6 = (176, -511);
z1 7 = (213, -511);
z1 8 = (213, -9); z1 8a = (242, -30); z1 9b = (264, -58);
z1 9 = (282, -89); z1 9a = (310, -136); z1 10b = (329, -187);
z1 10 = (338, -241); z1 10a = (347, -167); z1 11b = (385, -95);
z1 11 = (453, -95); z1 11a = (530, -95); z1 12b = (545, -193);
z1 12 = (545, -282); z1 12a = (545, -344); z1 13b = (543, -411);
z1 13 = (499, -454); z1 13a = (479, -474); z1 14b = (452, -484);
z1 14 = (424, -485); z1 14a = (401, -485); z1 15b = (371, -476);
z1 15 = (371, -456); z1 15a = (371, -437); z1 16b = (412, -411);
z1 16 = (412, -380); z1 16a = (412, -342); z1 17b = (379, -313);
z1 17 = (340, -313); z1 17a = (301, -313); z1 18b = (274, -350);
z1 18 = (274, -392); z1 18a = (274, -474); z1 19b = (369, -511);
z1 19 = (463, -511); z1 19a = (583, -511); z1 20b = (674, -405);
z1 20 = (674, -282); z1 20a = (674, -163); z1 21b = (595, -56);
z1 21 = (482, -56); z1 21a = (449, -56); z1 22b = (417, -63);
z1 22 = (387, -75); z1 22a = (371, -50); z1 23b = (356, -26);
z1 23 = (340, -1); z1 23a = (356, 24); z1 24b = (371, 48);
z1 24 = (387, 73); z1 24a = (451, 37); z1 25b = (530, 44);
z1 25 = (590, 86); z1 25a = (650, 129); z1 26b = (674, 202);
z1 26 = (674, 276); z1 26a = (674, 338); z1 27b = (654, 399);
z1 27 = (611, 443); z1 27a = (567, 488); z1 28b = (507, 511);
z1 28 = (445, 511); z1 28a = (380, 511); z1 29b = (315, 487);
z1 29 = (285, 430); z1 29a = (257, 376); z1 30b = (288, 313);
z1 30 = (342, 313); z1 30a = (379, 313); z1 31b = (410, 340);
z1 31 = (410, 376); z1 31a = (410, 407); z1 32b = (371, 432);
z1 32 = (369, 450); z1 32a = (365, 469); z1 33b = (398, 478);
z1 33 = (420, 478); z1 33a = (458, 478); z1 34b = (496, 464);
z1 34 = (516, 432); z1 34a = (543, 387); z1 35b = (543, 329);
z1 35 = (543, 274); z1 35a = (543, 235); z1 36b = (543, 196);
z1 36 = (532, 159); z1 36a = (520, 123); z1 37b = (491, 93);
z1 37 = (453, 93);
p1 = compose_path_z1(37);

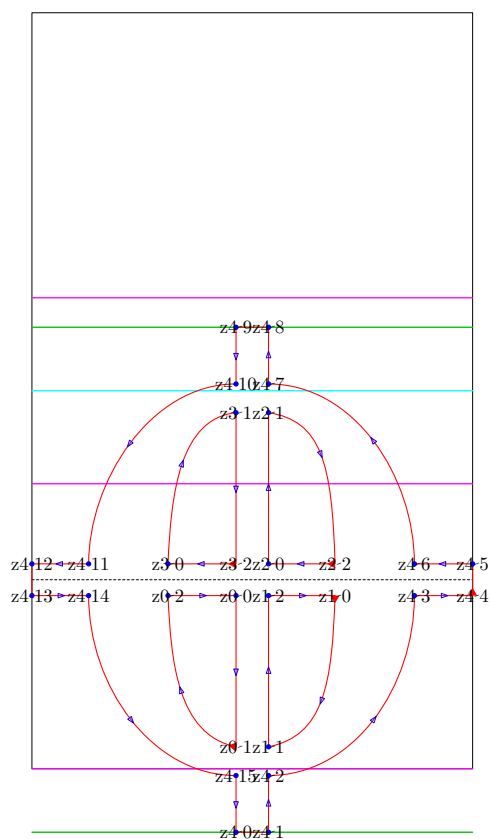
correct_path_directions(p0, p1)(p);

if turningnumber p0 > 0: Fill else: unFill fi p0;
if turningnumber p1 > 0: Fill else: unFill fi p1;

fix_hstem(26)(p0, p1)candidate_list(y)(-511, -485);
fix_hstem(39)(p0, p1)candidate_list(y)(-95, -56);
fix_hstem(33)(p0, p1)candidate_list(y)(478, 511);
fix_vstem(138)(p0, p1)candidate_list(x)(274, 412);
fix_vstem(37)(p0, p1)candidate_list(x)(176, 213);
fix_vstem(131)(p0, p1)candidate_list(x)(543, 674);

```

```
fix_vstem(117)(p0, p1)candidate_list(x)(0, 117);  
standard_exact_hsbw("c3_7");  
endglyph;
```


Construction of the character c_{38} :| Konstrukcja znaku c_{38} :

```

beginlyph(c 3.8);
  save p; path p[];

  z0 0 = (270, -21);
  z0 1 = (270, -221); z0 1a = (192, -205); z0 2b = (184, -107);
  z0 2 = (180, -21);
  p0 = compose_path_z0(2);

  z1 0 = (401, -21); z1 0a = (397, -137); z1 1b = (387, -206);
  z1 1 = (313, -221);
  z1 2 = (313, -21);
  p1 = compose_path_z1(2);

  z2 0 = (313, 21);
  z2 1 = (313, 221); z2 1a = (383, 210); z2 2b = (397, 155);
  z2 2 = (401, 21);
  p2 = compose_path_z2(2);

  z3 0 = (180, 21); z3 0a = (184, 113); z3 1b = (195, 213);
  z3 1 = (270, 221);
  z3 2 = (270, 21);
  p3 = compose_path_z3(2);

  z4 0 = (270, -334);
  z4 1 = (313, -334);
  z4 2 = (313, -259); z4 2a = (426, -259); z4 3b = (506, -142);
  z4 3 = (506, -21);
  z4 4 = (583, -21);
  z4 5 = (583, 21);
  z4 6 = (506, 21); z4 6a = (506, 137); z4 7b = (426, 259);
  z4 7 = (313, 259);
  z4 8 = (313, 334);
  z4 9 = (270, 334);
  z4 10 = (270, 259); z4 10a = (156, 259); z4 11b = (75, 129);
  z4 11 = (75, 21);
  z4 12 = (0, 21);
  z4 13 = (0, -21);
  z4 14 = (75, -21); z4 14a = (75, -141); z4 15b = (159, -259);
  z4 15 = (270, -259);
  p4 = compose_path_z4(15);

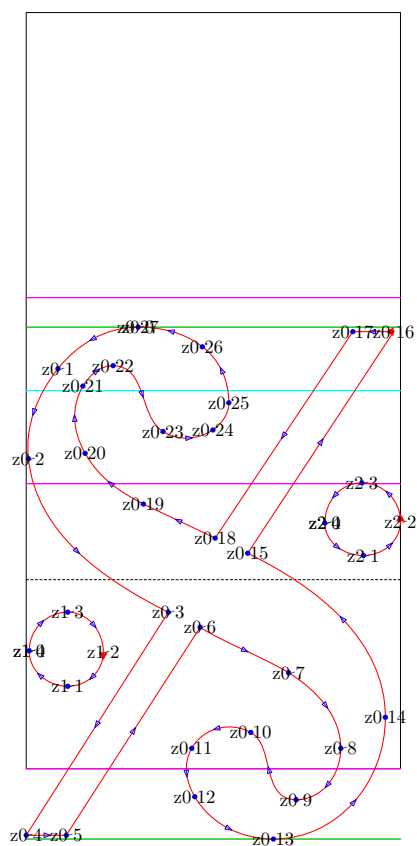
  correct_path_directions(p0, p1, p2, p3, p4)(p);

  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;
  if turningnumber p2 > 0: Fill else: unFill fi p2;
  if turningnumber p3 > 0: Fill else: unFill fi p3;
  if turningnumber p4 > 0: Fill else: unFill fi p4;

  fix_hstem(42)(p0, p1, p2, p3, p4)candidate_list(y)(-21, 21);
  fix_vstem(105)(p0, p1, p2, p3, p4)candidate_list(x)(75, 180, 401, 506);
  fix_vstem(43)(p0, p1, p2, p3, p4)candidate_list(x)(270, 313);
  standard_exact_hsbw("c3_8");
endglyph;

```

| Konstrukcja znaku c39:



```

beginlyph(c 3.9);
save p; path p[];

z0 0 = (148, 334); z0 0a = (106, 334); z0 1b = (68, 312);
z0 1 = (42, 279); z0 1a = (15, 245); z0 2b = (-2, 203);
z0 2 = (3, 160); z0 2a = (13, 63); z0 3b = (100, 1);
z0 3 = (188, -43); z0 3a = (125, -141); z0 4b = (63, -240);
z0 4 = (0, -338);
z0 5 = (53, -338);
z0 6 = (230, -63); z0 6a = (267, -86); z0 7b = (309, -100);
z0 7 = (347, -123); z0 7a = (384, -146); z0 8b = (416, -180);
z0 8 = (416, -223); z0 8a = (416, -259); z0 9b = (391, -291);
z0 9 = (357, -291); z0 9a = (310, -291); z0 10b = (329, -219);
z0 10 = (297, -202); z0 10a = (269, -187); z0 11b = (234, -196);
z0 11 = (219, -223); z0 11a = (207, -243); z0 12b = (211, -267);
z0 12 = (223, -287); z0 12a = (244, -323); z0 13b = (284, -343);
z0 13 = (327, -343); z0 13a = (411, -343); z0 14b = (475, -269);
z0 14 = (475, -182); z0 14a = (475, -81); z0 15b = (387, -11);
z0 15 = (293, 35); z0 15a = (357, 133); z0 16b = (422, 230);
z0 16 = (486, 328);
z0 17 = (432, 328); z0 17a = (371, 237); z0 18b = (311, 146);
z0 18 = (250, 55); z0 18a = (218, 70); z0 19b = (155, 100);
z0 19 = (155, 100); z0 19a = (125, 116); z0 20b = (98, 132);
z0 20 = (78, 167); z0 20a = (61, 197); z0 21b = (59, 228);
z0 21 = (75, 256); z0 21a = (84, 271); z0 22b = (98, 283);
z0 22 = (115, 283); z0 22a = (160, 283); z0 23b = (149, 215);
z0 23 = (181, 196); z0 23a = (201, 183); z0 24b = (227, 185);
z0 24 = (247, 198); z0 24a = (259, 207); z0 25b = (268, 219);
z0 25 = (268, 234); z0 25a = (268, 263); z0 26b = (256, 291);
z0 26 = (233, 308); z0 26a = (209, 327); z0 27b = (178, 334);
z0 27 = (148, 334);
p0 = compose_path_z0(27);

z1 0 = (4, -94); z1 0a = (4, -121); z1 1b = (28, -141);
z1 1 = (55, -141); z1 1a = (81, -141); z1 2b = (102, -121);
z1 2 = (102, -96); z1 2a = (102, -68); z1 3b = (82, -43);
z1 3 = (55, -43); z1 3a = (27, -43); z1 4b = (4, -66);
z1 4 = (4, -94);
p1 = compose_path_z1(4);

z2 0 = (395, 75); z2 0a = (395, 50); z2 1b = (419, 32);
z2 1 = (446, 32); z2 1a = (472, 32); z2 2b = (495, 51);
z2 2 = (495, 77); z2 2a = (495, 105); z2 3b = (472, 128);
z2 3 = (444, 128); z2 3a = (416, 128); z2 4b = (395, 104);
z2 4 = (395, 75);
p2 = compose_path_z2(4);

correct_path_directions(p0, p1, p2)(p);

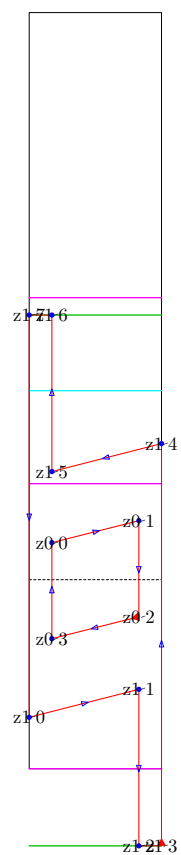
if turningnumber p0 > 0: Fill else: unFill fi p0;
if turningnumber p1 > 0: Fill else: unFill fi p1;
if turningnumber p2 > 0: Fill else: unFill fi p2;

fix_hstem(96)(p0, p1, p2)candidate_list(y)(32, 128);
fix_hstem(98)(p0, p1, p2)candidate_list(y)(-141, -43);
fix_hstem(51)(p0, p1, p2)candidate_list(y)(283, 334);
fix_hstem(52)(p0, p1, p2)candidate_list(y)(-343, -291);
fix_vstem(59)(p0, p1, p2)candidate_list(x)(416, 475);
fix_vstem(98)(p0, p1, p2)candidate_list(x)(4, 102);
standard_exact_hsbw("c3_9");
endglyph;

```

Construction of the character c_{40} :

| Konstrukcja znaku c_{40} :



```

beginglyph(c 4_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (30, 49)$ ;
   $z_{0\ 1} = (145, 78)$ ;
   $z_{0\ 2} = (145, -49)$ ;
   $z_{0\ 3} = (30, -78)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

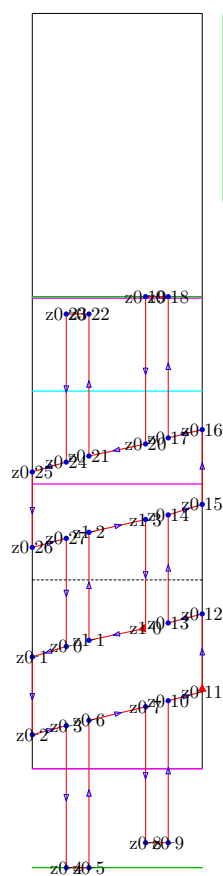
   $z_{1\ 0} = (0, -182)$ ;  $z_{1\ 0a} = (48, -170)$ ;  $z_{1\ 1b} = (97, -157)$ ;
   $z_{1\ 1} = (145, -145)$ ;
   $z_{1\ 2} = (145, -352)$ ;
   $z_{1\ 3} = (175, -352)$ ;
   $z_{1\ 4} = (175, 180)$ ;
   $z_{1\ 5} = (30, 143)$ ;
   $z_{1\ 6} = (30, 350)$ ;
   $z_{1\ 7} = (0, 350)$ ;
   $p_1 = \text{compose\_path}_{z_1}(7)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_vstem(30)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 30, 145, 175)$ ;
  ghost_stem  $\text{top}$ ;
  standard_exact_hsbw("c4_0");
endglyph;

```

Construction of the character c_{41} :| Konstrukcja znaku c_{41} :

```

beginglyph(c 4_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (45, -88)$ ;
   $z_{0\ 1} = (0, -102)$ ;
   $z_{0\ 2} = (0, -205)$ ;
   $z_{0\ 3} = (45, -193)$ ;
   $z_{0\ 4} = (45, -381)$ ;
   $z_{0\ 5} = (75, -381)$ ;
   $z_{0\ 6} = (75, -186)$ ;
   $z_{0\ 7} = (150, -168)$ ;
   $z_{0\ 8} = (150, -348)$ ;
   $z_{0\ 9} = (180, -348)$ ;
   $z_{0\ 10} = (180, -160)$ ;
   $z_{0\ 11} = (225, -148)$ ;
   $z_{0\ 12} = (225, -45)$ ;
   $z_{0\ 13} = (180, -57)$ ;
   $z_{0\ 14} = (180, 86)$ ;
   $z_{0\ 15} = (225, 100)$ ;
   $z_{0\ 16} = (225, 199)$ ;
   $z_{0\ 17} = (180, 188)$ ;
   $z_{0\ 18} = (180, 375)$ ;
   $z_{0\ 19} = (150, 375)$ ;
   $z_{0\ 20} = (150, 180)$ ;
   $z_{0\ 21} = (75, 164)$ ;
   $z_{0\ 22} = (75, 352)$ ;
   $z_{0\ 23} = (45, 352)$ ;
   $z_{0\ 24} = (45, 156)$ ;
   $z_{0\ 25} = (0, 143)$ ;
   $z_{0\ 26} = (0, 43)$ ;
   $z_{0\ 27} = (45, 55)$ ;
   $p_0 = \text{compose\_path}_{z_0}(27)$ ;

   $z_{1\ 0} = (150, -64)$ ;
   $z_{1\ 1} = (75, -80)$ ;
   $z_{1\ 2} = (75, 63)$ ;
   $z_{1\ 3} = (150, 80)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

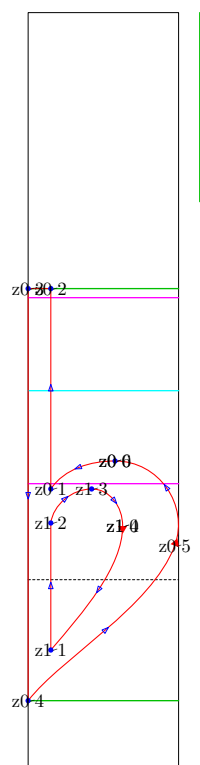
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_vstem(30)( $p_0, p_1$ ) $\text{candidate\_list}(x)(45, 75, 150, 180)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c4_1");
endglyph;

```

Construction of the character c42:

| Konstrukcja znaku c42:



```

beginglyph(c 4_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (115, 157)$ ;  $z_{0\ 0a} = (83, 157)$ ;  $z_{0\ 1b} = (48, 147)$ ;
   $z_{0\ 1} = (30, 120)$ ;
   $z_{0\ 2} = (30, 385)$ ;
   $z_{0\ 3} = (0, 385)$ ;
   $z_{0\ 4} = (0, -160)$ ;  $z_{0\ 4a} = (45, -102)$ ;  $z_{0\ 5b} = (162, -38)$ ;
   $z_{0\ 5} = (194, 45)$ ;  $z_{0\ 5a} = (213, 99)$ ;  $z_{0\ 6b} = (173, 157)$ ;
   $z_{0\ 6} = (115, 157)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

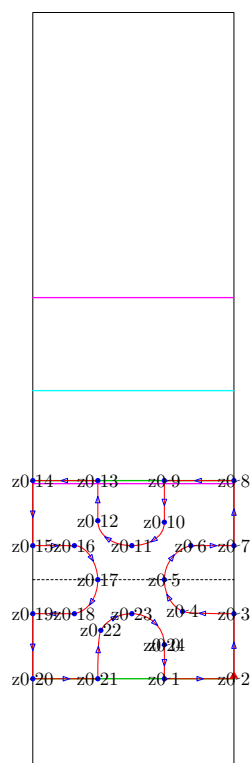
   $z_{1\ 0} = (125, 71)$ ;  $z_{1\ 0a} = (125, 17)$ ;  $z_{1\ 1b} = (73, -43)$ ;
   $z_{1\ 1} = (30, -93)$ ;
   $z_{1\ 2} = (30, 75)$ ;  $z_{1\ 2a} = (33, 99)$ ;  $z_{1\ 3b} = (58, 120)$ ;
   $z_{1\ 3} = (84, 120)$ ;  $z_{1\ 3a} = (108, 120)$ ;  $z_{1\ 4b} = (125, 97)$ ;
   $z_{1\ 4} = (125, 71)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(37)( $p_0, p_1$ ) $\text{candidate\_list}(y)(120, 157)$ ;
  fix_vstem(30)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 30)$ ;
  ghost_stem  $\text{top}$ ;
  standard_exact_hsbw("c4_2");
endglyph;

```

Construction of the character c_{43} :| Konstrukcja znaku c_{43} :

```

beginglyph(c 4_3);
  save  $p$ ; path  $p[]$ ;

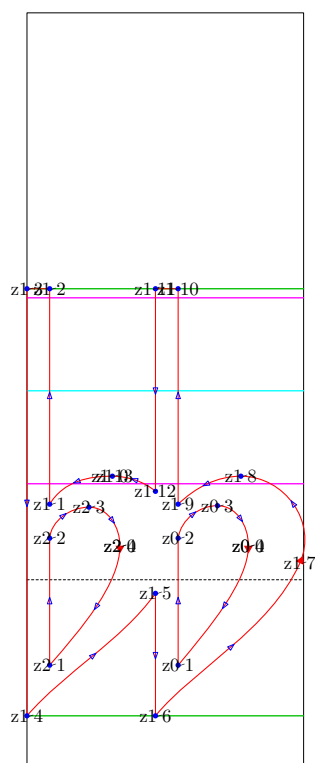
   $z_{0\ 0} = (174, -86)$ ;
   $z_{0\ 1} = (174, -131)$ ;
   $z_{0\ 2} = (266, -131)$ ;
   $z_{0\ 3} = (266, -45)$ ;  $z_{0\ 3a} = (243, -45)$ ;  $z_{0\ 4b} = (204, -45)$ ;
   $z_{0\ 4} = (198, -42)$ ;  $z_{0\ 4a} = (182, -34)$ ;  $z_{0\ 5b} = (174, -17)$ ;
   $z_{0\ 5} = (174, 0)$ ;  $z_{0\ 5a} = (174, 21)$ ;  $z_{0\ 6b} = (188, 40)$ ;
   $z_{0\ 6} = (209, 45)$ ;
   $z_{0\ 7} = (266, 45)$ ;
   $z_{0\ 8} = (266, 131)$ ;
   $z_{0\ 9} = (174, 131)$ ;
   $z_{0\ 10} = (174, 76)$ ;  $z_{0\ 10a} = (174, 56)$ ;  $z_{0\ 11b} = (153, 45)$ ;
   $z_{0\ 11} = (131, 45)$ ;  $z_{0\ 11a} = (108, 45)$ ;  $z_{0\ 12b} = (86, 57)$ ;
   $z_{0\ 12} = (86, 78)$ ;
   $z_{0\ 13} = (86, 131)$ ;
   $z_{0\ 14} = (0, 131)$ ;
   $z_{0\ 15} = (0, 45)$ ;
   $z_{0\ 16} = (55, 45)$ ;  $z_{0\ 16a} = (73, 45)$ ;  $z_{0\ 17b} = (86, 18)$ ;
   $z_{0\ 17} = (86, 0)$ ;  $z_{0\ 17a} = (86, -21)$ ;  $z_{0\ 18b} = (75, -41)$ ;
   $z_{0\ 18} = (55, -45)$ ;
   $z_{0\ 19} = (0, -45)$ ;
   $z_{0\ 20} = (0, -131)$ ;
   $z_{0\ 21} = (86, -131)$ ;  $z_{0\ 21a} = (86, -109)$ ;  $z_{0\ 22b} = (86, -75)$ ;
   $z_{0\ 22} = (90, -67)$ ;  $z_{0\ 22a} = (98, -53)$ ;  $z_{0\ 23b} = (114, -45)$ ;
   $z_{0\ 23} = (131, -45)$ ;  $z_{0\ 23a} = (154, -45)$ ;  $z_{0\ 24b} = (174, -63)$ ;
   $z_{0\ 24} = (174, -86)$ ;
   $p_0 = \text{compose\_path}_{z_0}(24)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(90)( $p_0$ ) $\text{candidate\_list}(y)(-45, 45)$ ;
  fix_hstem(86)( $p_0$ ) $\text{candidate\_list}(y)(-131, -45, 45, 131)$ ;
  fix_vstem(92)( $p_0$ ) $\text{candidate\_list}(x)(174, 266)$ ;
  fix_vstem(86)( $p_0$ ) $\text{candidate\_list}(x)(0, 86)$ ;
  fix_vstem(88)( $p_0$ ) $\text{candidate\_list}(x)(86, 174)$ ;
  standard_exact_hsbw("c4_3");
endglyph;

```

Construction of the character c_{44} :| Konstrukcja znaku c_{44} :

```

beginglyph(c 4_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (293, 45)$ ;  $z_{0\ 0a} = (293, -2)$ ;  $z_{0\ 1b} = (241, -64)$ ;
   $z_{0\ 1} = (200, -113)$ ;
   $z_{0\ 2} = (200, 55)$ ;  $z_{0\ 2a} = (204, 81)$ ;  $z_{0\ 3b} = (229, 98)$ ;
   $z_{0\ 3} = (252, 98)$ ;  $z_{0\ 3a} = (277, 98)$ ;  $z_{0\ 4b} = (293, 72)$ ;
   $z_{0\ 4} = (293, 45)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

   $z_{1\ 0} = (113, 137)$ ;  $z_{1\ 0a} = (82, 137)$ ;  $z_{1\ 1b} = (49, 131)$ ;
   $z_{1\ 1} = (30, 100)$ ;
   $z_{1\ 2} = (30, 385)$ ;
   $z_{1\ 3} = (0, 385)$ ;
   $z_{1\ 4} = (0, -180)$ ;  $z_{1\ 4a} = (51, -121)$ ;  $z_{1\ 5b} = (124, -82)$ ;
   $z_{1\ 5} = (170, -18)$ ;
   $z_{1\ 6} = (170, -180)$ ;  $z_{1\ 6a} = (221, -118)$ ;  $z_{1\ 7b} = (321, -67)$ ;
   $z_{1\ 7} = (361, 22)$ ;  $z_{1\ 7a} = (385, 76)$ ;  $z_{1\ 8b} = (341, 137)$ ;
   $z_{1\ 8} = (283, 137)$ ;  $z_{1\ 8a} = (251, 137)$ ;  $z_{1\ 9b} = (223, 122)$ ;
   $z_{1\ 9} = (200, 100)$ ;
   $z_{1\ 10} = (200, 385)$ ;
   $z_{1\ 11} = (170, 385)$ ;
   $z_{1\ 12} = (170, 117)$ ;  $z_{1\ 12a} = (155, 130)$ ;  $z_{1\ 13b} = (133, 137)$ ;
   $z_{1\ 13} = (113, 137)$ ;
   $p_1 = \text{compose\_path}_{z_1}(13)$ ;

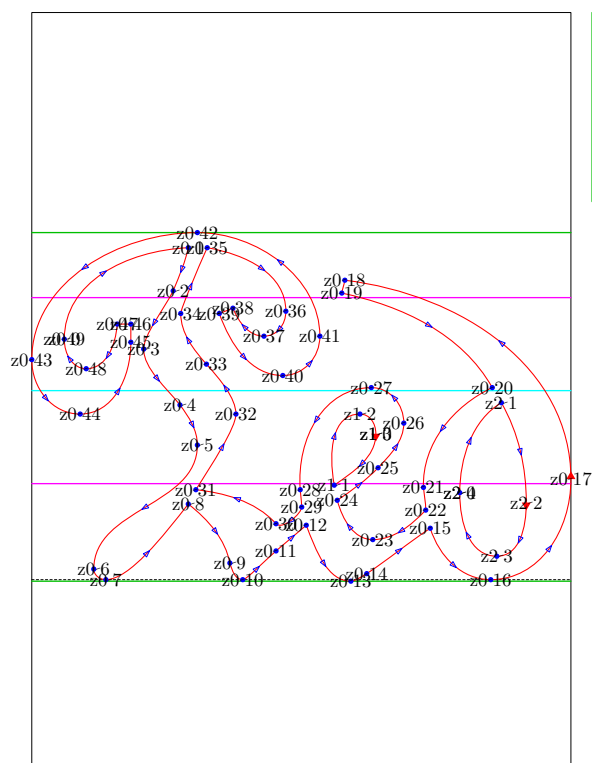
   $z_{2\ 0} = (123, 45)$ ;  $z_{2\ 0a} = (123, -5)$ ;  $z_{2\ 1b} = (72, -65)$ ;
   $z_{2\ 1} = (30, -113)$ ;
   $z_{2\ 2} = (30, 55)$ ;  $z_{2\ 2a} = (32, 78)$ ;  $z_{2\ 3b} = (57, 96)$ ;
   $z_{2\ 3} = (82, 96)$ ;  $z_{2\ 3a} = (108, 96)$ ;  $z_{2\ 4b} = (123, 69)$ ;
   $z_{2\ 4} = (123, 45)$ ;
   $p_2 = \text{compose\_path}_{z_2}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1, p_2)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;
  if turningnumber  $p_2 > 0$ : Fill else: unFill fi  $p_2$ ;

  fix_hstem(39)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(y)(98, 137)$ ;
  fix_vstem(30)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(x)(0, 30, 170, 200)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c4_4");
endglyph;

```

Construction of the character c_{45} :| Konstrukcja znaku c_{45} :

beginglyph(c 4.5);

save p ; path $p[]$;

$z_{0\ 0} = (43, 318)$; $z_{0\ 0a} = (43, 393)$; $z_{0\ 1b} = (124, 435)$;
 $z_{0\ 1} = (207, 439)$; $z_{0\ 1a} = (203, 420)$; $z_{0\ 2b} = (196, 404)$;
 $z_{0\ 2} = (187, 382)$; $z_{0\ 2a} = (174, 356)$; $z_{0\ 3b} = (148, 324)$;
 $z_{0\ 3} = (148, 305)$; $z_{0\ 3a} = (148, 279)$; $z_{0\ 4b} = (178, 254)$;
 $z_{0\ 4} = (196, 231)$; $z_{0\ 4a} = (208, 215)$; $z_{0\ 5b} = (219, 198)$;
 $z_{0\ 5} = (219, 178)$; $z_{0\ 5a} = (219, 97)$; $z_{0\ 6b} = (82, 95)$;
 $z_{0\ 6} = (82, 14)$; $z_{0\ 6a} = (82, 6)$; $z_{0\ 7b} = (90, 0)$;
 $z_{0\ 7} = (98, 0)$; $z_{0\ 7a} = (129, 0)$; $z_{0\ 8b} = (174, 58)$;
 $z_{0\ 8} = (207, 100)$; $z_{0\ 8a} = (234, 79)$; $z_{0\ 9b} = (256, 53)$;
 $z_{0\ 9} = (262, 22)$; $z_{0\ 9a} = (265, 12)$; $z_{0\ 10b} = (269, 0)$;
 $z_{0\ 10} = (279, 0)$; $z_{0\ 10a} = (284, 0)$; $z_{0\ 11b} = (307, 24)$;
 $z_{0\ 11} = (323, 38)$; $z_{0\ 11a} = (338, 51)$; $z_{0\ 12b} = (350, 61)$;
 $z_{0\ 12} = (363, 72)$; $z_{0\ 12a} = (376, 38)$; $z_{0\ 13b} = (391, -2)$;
 $z_{0\ 13} = (422, -2)$; $z_{0\ 13a} = (428, -2)$; $z_{0\ 14b} = (436, 4)$;
 $z_{0\ 14} = (443, 8)$; $z_{0\ 14a} = (472, 27)$; $z_{0\ 15b} = (498, 49)$;
 $z_{0\ 15} = (527, 68)$; $z_{0\ 15a} = (539, 30)$; $z_{0\ 16b} = (569, 0)$;
 $z_{0\ 16} = (607, 0)$; $z_{0\ 16a} = (671, 0)$; $z_{0\ 17b} = (713, 64)$;
 $z_{0\ 17} = (713, 133)$; $z_{0\ 17a} = (713, 280)$; $z_{0\ 18b} = (570, 377)$;
 $z_{0\ 18} = (414, 396)$; $z_{0\ 18a} = (413, 390)$; $z_{0\ 19b} = (411, 385)$;
 $z_{0\ 19} = (410, 379)$; $z_{0\ 19a} = (490, 362)$; $z_{0\ 20b} = (569, 325)$;
 $z_{0\ 20} = (609, 254)$; $z_{0\ 20a} = (558, 230)$; $z_{0\ 21b} = (516, 180)$;
 $z_{0\ 21} = (518, 122)$; $z_{0\ 21a} = (519, 112)$; $z_{0\ 22b} = (521, 102)$;
 $z_{0\ 22} = (521, 92)$; $z_{0\ 22a} = (502, 72)$; $z_{0\ 23b} = (479, 53)$;
 $z_{0\ 23} = (451, 53)$; $z_{0\ 23a} = (426, 53)$; $z_{0\ 24b} = (411, 79)$;
 $z_{0\ 24} = (404, 105)$; $z_{0\ 24a} = (423, 118)$; $z_{0\ 25b} = (442, 131)$;
 $z_{0\ 25} = (458, 148)$; $z_{0\ 25a} = (474, 165)$; $z_{0\ 26b} = (492, 183)$;
 $z_{0\ 26} = (492, 207)$; $z_{0\ 26a} = (492, 232)$; $z_{0\ 27b} = (474, 254)$;
 $z_{0\ 27} = (449, 254)$; $z_{0\ 27a} = (387, 254)$; $z_{0\ 28b} = (350, 188)$;
 $z_{0\ 28} = (355, 119)$; $z_{0\ 28a} = (356, 112)$; $z_{0\ 29b} = (357, 96)$;
 $z_{0\ 29} = (357, 96)$; $z_{0\ 29a} = (357, 88)$; $z_{0\ 30b} = (332, 65)$;
 $z_{0\ 30} = (323, 74)$; $z_{0\ 30a} = (295, 105)$; $z_{0\ 31b} = (252, 115)$;
 $z_{0\ 31} = (217, 119)$; $z_{0\ 31a} = (238, 152)$; $z_{0\ 32b} = (270, 201)$;
 $z_{0\ 32} = (270, 219)$; $z_{0\ 32a} = (270, 240)$; $z_{0\ 33b} = (249, 265)$;
 $z_{0\ 33} = (231, 285)$; $z_{0\ 33a} = (214, 304)$; $z_{0\ 34b} = (197, 326)$;
 $z_{0\ 34} = (197, 352)$; $z_{0\ 34a} = (197, 358)$; $z_{0\ 35b} = (219, 410)$;
 $z_{0\ 35} = (232, 439)$; $z_{0\ 35a} = (284, 430)$; $z_{0\ 36b} = (336, 404)$;
 $z_{0\ 36} = (336, 355)$; $z_{0\ 36a} = (336, 337)$; $z_{0\ 37b} = (324, 322)$;
 $z_{0\ 37} = (307, 322)$; $z_{0\ 37a} = (287, 322)$; $z_{0\ 38b} = (274, 340)$;
 $z_{0\ 38} = (266, 359)$; $z_{0\ 38a} = (260, 357)$; $z_{0\ 39b} = (254, 354)$;
 $z_{0\ 39} = (248, 352)$; $z_{0\ 39a} = (263, 310)$; $z_{0\ 40b} = (290, 270)$;
 $z_{0\ 40} = (332, 270)$; $z_{0\ 40a} = (360, 270)$; $z_{0\ 41b} = (381, 294)$;
 $z_{0\ 41} = (381, 322)$; $z_{0\ 41a} = (381, 400)$; $z_{0\ 42b} = (297, 459)$;
 $z_{0\ 42} = (219, 459)$; $z_{0\ 42a} = (116, 459)$; $z_{0\ 43b} = (0, 394)$;
 $z_{0\ 43} = (0, 291)$; $z_{0\ 43a} = (0, 253)$; $z_{0\ 44b} = (27, 219)$;
 $z_{0\ 44} = (64, 219)$; $z_{0\ 44a} = (107, 219)$; $z_{0\ 45b} = (131, 266)$;
 $z_{0\ 45} = (131, 314)$;
 $z_{0\ 46} = (131, 338)$;
 $z_{0\ 47} = (113, 338)$; $z_{0\ 47a} = (111, 309)$; $z_{0\ 48b} = (98, 279)$;
 $z_{0\ 48} = (72, 279)$; $z_{0\ 48a} = (54, 279)$; $z_{0\ 49b} = (43, 298)$;
 $z_{0\ 49} = (43, 318)$;
 $p_0 = \text{compose_path}_{z_0}(49)$;
 $z_{1\ 0} = (455, 193)$; $z_{1\ 0a} = (455, 162)$; $z_{1\ 1b} = (426, 143)$;
 $z_{1\ 1} = (400, 125)$; $z_{1\ 1a} = (392, 170)$; $z_{1\ 2b} = (397, 219)$;
 $z_{1\ 2} = (434, 219)$; $z_{1\ 2a} = (447, 219)$; $z_{1\ 3b} = (455, 207)$;
 $z_{1\ 3} = (455, 193)$;

```


$p_1 = \text{compose\_path}_{z_1}(3);$



$z_{2\ 0} = (566, 115); z_{2\ 0a} = (566, 160); z_{2\ 1b} = (582, 211);$   

 $z_{2\ 1} = (621, 234); z_{2\ 1a} = (644, 194); z_{2\ 2b} = (654, 148);$   

 $z_{2\ 2} = (654, 102); z_{2\ 2a} = (654, 68); z_{2\ 3b} = (645, 31);$   

 $z_{2\ 3} = (615, 31); z_{2\ 3a} = (579, 31); z_{2\ 4b} = (566, 74);$   

 $z_{2\ 4} = (566, 115);$   

 $p_2 = \text{compose\_path}_{z_2}(4);$



$\text{correct\_path\_directions}(p_0, p_1, p_2)(p);$



if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;  

if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;  

if turningnumber  $p_2 > 0$ : Fill else: unFill fi  $p_2$ ;



fix_hstem(35)( $p_0, p_1, p_2$ )candidate_list( $y$ )(219, 254);  

fix_hstem(31)( $p_0, p_1, p_2$ )candidate_list( $y$ )(0, 31);  

fix_hstem(52)( $p_0, p_1, p_2$ )candidate_list( $y$ )(270, 322);  

fix_vstem(18)( $p_0, p_1, p_2$ )candidate_list( $x$ )(113, 131);  

fix_vstem(45)( $p_0, p_1, p_2$ )candidate_list( $x$ )(336, 381, 521, 566);  

fix_vstem(37)( $p_0, p_1, p_2$ )candidate_list( $x$ )(455, 492);  

fix_vstem(49)( $p_0, p_1, p_2$ )candidate_list( $x$ )(148, 197);  

fix_vstem(59)( $p_0, p_1, p_2$ )candidate_list( $x$ )(654, 713);  

fix_vstem(51)( $p_0, p_1, p_2$ )candidate_list( $x$ )(219, 270);  

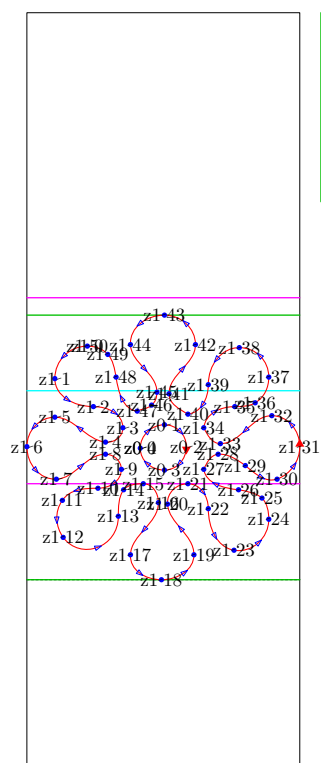
fix_vstem(43)( $p_0, p_1, p_2$ )candidate_list( $x$ )(0, 43);  

ghost_stem top;  

standard_exact_hsbw("c4_5");  

endglyph;


```


Construction of the character c_{46} :| Konstrukcja znaku c_{46} :

beginglyph(c 4.6);

save p ; path $p[]$;

$z_{0\ 0} = (150, 174)$; $z_{0\ 0a} = (150, 191)$; $z_{0\ 1b} = (165, 205)$;

$z_{0\ 1} = (182, 205)$; $z_{0\ 1a} = (198, 205)$; $z_{0\ 2b} = (211, 192)$;

$z_{0\ 2} = (211, 176)$; $z_{0\ 2a} = (211, 159)$; $z_{0\ 3b} = (198, 145)$;

$z_{0\ 3} = (182, 145)$; $z_{0\ 3a} = (165, 145)$; $z_{0\ 4b} = (150, 157)$;

$z_{0\ 4} = (150, 174)$;

$p_0 = \text{compose_path}_{z_0}(4)$;

$z_{1\ 0} = (80, 309)$; $z_{1\ 0a} = (56, 309)$; $z_{1\ 1b} = (37, 290)$;

$z_{1\ 1} = (37, 266)$; $z_{1\ 1a} = (37, 243)$; $z_{1\ 2b} = (62, 229)$;

$z_{1\ 2} = (88, 229)$; $z_{1\ 2a} = (108, 229)$; $z_{1\ 3b} = (127, 219)$;

$z_{1\ 3} = (127, 201)$; $z_{1\ 3a} = (127, 189)$; $z_{1\ 4b} = (116, 181)$;

$z_{1\ 4} = (104, 182)$; $z_{1\ 4a} = (78, 185)$; $z_{1\ 5b} = (63, 215)$;

$z_{1\ 5} = (37, 215)$; $z_{1\ 5a} = (16, 215)$; $z_{1\ 6b} = (0, 197)$;

$z_{1\ 6} = (0, 176)$; $z_{1\ 6a} = (0, 153)$; $z_{1\ 7b} = (17, 132)$;

$z_{1\ 7} = (39, 133)$; $z_{1\ 7a} = (64, 134)$; $z_{1\ 8b} = (78, 166)$;

$z_{1\ 8} = (104, 166)$; $z_{1\ 8a} = (115, 166)$; $z_{1\ 9b} = (125, 157)$;

$z_{1\ 9} = (125, 146)$; $z_{1\ 9a} = (125, 131)$; $z_{1\ 10b} = (110, 121)$;

$z_{1\ 10} = (94, 121)$; $z_{1\ 10a} = (76, 121)$; $z_{1\ 11b} = (57, 120)$;

$z_{1\ 11} = (47, 105)$; $z_{1\ 11a} = (36, 90)$; $z_{1\ 12b} = (38, 70)$;

$z_{1\ 12} = (48, 56)$; $z_{1\ 12a} = (71, 25)$; $z_{1\ 13b} = (121, 42)$;

$z_{1\ 13} = (121, 84)$; $z_{1\ 13a} = (121, 96)$; $z_{1\ 14b} = (121, 109)$;

$z_{1\ 14} = (128, 119)$; $z_{1\ 14a} = (134, 126)$; $z_{1\ 15b} = (144, 127)$;

$z_{1\ 15} = (154, 127)$; $z_{1\ 15a} = (166, 127)$; $z_{1\ 16b} = (174, 115)$;

$z_{1\ 16} = (174, 102)$; $z_{1\ 16a} = (174, 74)$; $z_{1\ 17b} = (138, 60)$;

$z_{1\ 17} = (137, 33)$; $z_{1\ 17a} = (136, 13)$; $z_{1\ 18b} = (156, 0)$;

$z_{1\ 18} = (178, 0)$; $z_{1\ 18a} = (200, 0)$; $z_{1\ 19b} = (221, 13)$;

$z_{1\ 19} = (221, 33)$; $z_{1\ 19a} = (221, 60)$; $z_{1\ 20b} = (188, 74)$;

$z_{1\ 20} = (186, 100)$; $z_{1\ 20a} = (185, 115)$; $z_{1\ 21b} = (198, 127)$;

$z_{1\ 21} = (213, 127)$; $z_{1\ 21a} = (229, 127)$; $z_{1\ 22b} = (240, 111)$;

$z_{1\ 22} = (240, 94)$; $z_{1\ 22a} = (240, 69)$; $z_{1\ 23b} = (251, 43)$;

$z_{1\ 23} = (274, 39)$; $z_{1\ 23a} = (298, 35)$; $z_{1\ 24b} = (320, 55)$;

$z_{1\ 24} = (320, 80)$; $z_{1\ 24a} = (320, 90)$; $z_{1\ 25b} = (318, 101)$;

$z_{1\ 25} = (311, 108)$; $z_{1\ 25a} = (303, 115)$; $z_{1\ 26b} = (291, 117)$;

$z_{1\ 26} = (280, 119)$; $z_{1\ 26a} = (260, 121)$; $z_{1\ 27b} = (237, 127)$;

$z_{1\ 27} = (234, 146)$; $z_{1\ 27a} = (238, 155)$; $z_{1\ 28b} = (243, 165)$;

$z_{1\ 28} = (253, 166)$; $z_{1\ 28a} = (266, 167)$; $z_{1\ 29b} = (278, 159)$;

$z_{1\ 29} = (289, 151)$; $z_{1\ 29a} = (302, 140)$; $z_{1\ 30b} = (316, 128)$;

$z_{1\ 30} = (331, 133)$; $z_{1\ 30a} = (349, 140)$; $z_{1\ 31b} = (361, 157)$;

$z_{1\ 31} = (361, 176)$; $z_{1\ 31a} = (361, 198)$; $z_{1\ 32b} = (345, 217)$;

$z_{1\ 32} = (324, 217)$; $z_{1\ 32a} = (297, 217)$; $z_{1\ 33b} = (283, 180)$;

$z_{1\ 33} = (256, 180)$; $z_{1\ 33a} = (245, 180)$; $z_{1\ 34b} = (239, 191)$;

$z_{1\ 34} = (234, 201)$; $z_{1\ 34a} = (236, 219)$; $z_{1\ 35b} = (255, 229)$;

$z_{1\ 35} = (275, 229)$; $z_{1\ 35a} = (284, 229)$; $z_{1\ 36b} = (294, 229)$;

$z_{1\ 36} = (302, 234)$; $z_{1\ 36a} = (314, 241)$; $z_{1\ 37b} = (320, 254)$;

$z_{1\ 37} = (320, 268)$; $z_{1\ 37a} = (320, 290)$; $z_{1\ 38b} = (303, 307)$;

$z_{1\ 38} = (281, 307)$; $z_{1\ 38a} = (257, 307)$; $z_{1\ 39b} = (240, 284)$;

$z_{1\ 39} = (240, 258)$; $z_{1\ 39a} = (240, 239)$; $z_{1\ 40b} = (230, 221)$;

$z_{1\ 40} = (213, 219)$; $z_{1\ 40a} = (201, 226)$; $z_{1\ 41b} = (188, 233)$;

$z_{1\ 41} = (188, 246)$; $z_{1\ 41a} = (188, 272)$; $z_{1\ 42b} = (223, 285)$;

$z_{1\ 42} = (223, 311)$; $z_{1\ 42a} = (223, 333)$; $z_{1\ 43b} = (204, 350)$;

$z_{1\ 43} = (182, 350)$; $z_{1\ 43a} = (158, 350)$; $z_{1\ 44b} = (136, 334)$;

$z_{1\ 44} = (137, 311)$; $z_{1\ 44a} = (138, 286)$; $z_{1\ 45b} = (172, 274)$;

$z_{1\ 45} = (172, 248)$; $z_{1\ 45a} = (172, 241)$; $z_{1\ 46b} = (170, 235)$;

$z_{1\ 46} = (165, 231)$; $z_{1\ 46a} = (160, 226)$; $z_{1\ 47b} = (152, 226)$;

$z_{1\ 47} = (146, 223)$; $z_{1\ 47a} = (127, 225)$; $z_{1\ 48b} = (121, 248)$;

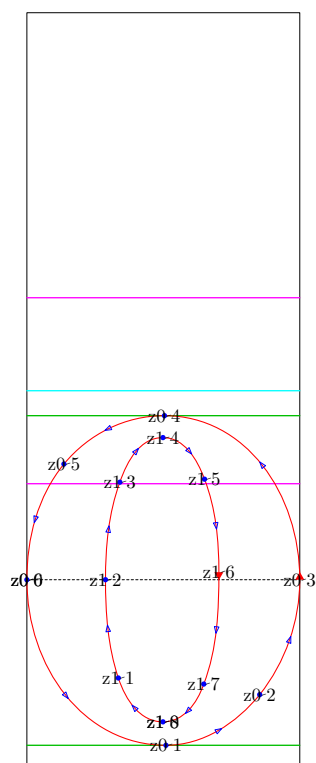
$z_{1\ 48} = (118, 268)$; $z_{1\ 48a} = (116, 279)$; $z_{1\ 49b} = (114, 291)$;

```

 $z_{1\ 49} = (107, 298); \ z_{1\ 49a} = (100, 306); \ z_{1\ 50b} = (90, 309);$ 
 $z_{1\ 50} = (80, 309);$ 
 $p_1 = \text{compose\_path}_{z_1}(50);$ 
 $\text{correct\_path\_directions}(p_0, p_1)(p);$ 
if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

fix_hstem(80)( $p_0, p_1$ ) $\text{candidate\_list}(y)(229, 309);$ 
fix_hstem(18)( $p_0, p_1$ ) $\text{candidate\_list}(y)(127, 145);$ 
fix_hstem(49)( $p_0, p_1$ ) $\text{candidate\_list}(y)(166, 215);$ 
fix_vstem(80)( $p_0, p_1$ ) $\text{candidate\_list}(x)(240, 320);$ 
fix_vstem(25)( $p_0, p_1$ ) $\text{candidate\_list}(x)(125, 150);$ 
fix_vstem(16)( $p_0, p_1$ ) $\text{candidate\_list}(x)(172, 188);$ 
ghost_stem  $\text{top}, \text{bot};$ 
standard_exact_hsbw("c4_6");
endglyph;

```


Construction of the character c_{48} :| Konstrukcja znaku c_{48} :

```

beginglyph(c 4_8);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 0)$ ;  $z_{0\ 0a} = (0, -115)$ ;  $z_{0\ 1b} = (75, -219)$ ;
   $z_{0\ 1} = (184, -219)$ ;  $z_{0\ 1a} = (233, -219)$ ;  $z_{0\ 2b} = (277, -190)$ ;
   $z_{0\ 2} = (308, -152)$ ;  $z_{0\ 2a} = (342, -109)$ ;  $z_{0\ 3b} = (361, -55)$ ;
   $z_{0\ 3} = (361, 0)$ ;  $z_{0\ 3a} = (361, 114)$ ;  $z_{0\ 4b} = (289, 217)$ ;
   $z_{0\ 4} = (182, 217)$ ;  $z_{0\ 4a} = (130, 217)$ ;  $z_{0\ 5b} = (82, 193)$ ;
   $z_{0\ 5} = (49, 153)$ ;  $z_{0\ 5a} = (14, 110)$ ;  $z_{0\ 6b} = (0, 55)$ ;
   $z_{0\ 6} = (0, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

   $z_{1\ 0} = (180, -188)$ ;  $z_{1\ 0a} = (150, -188)$ ;  $z_{1\ 1b} = (131, -160)$ ;
   $z_{1\ 1} = (121, -130)$ ;  $z_{1\ 1a} = (107, -88)$ ;  $z_{1\ 2b} = (104, -44)$ ;
   $z_{1\ 2} = (104, 0)$ ;  $z_{1\ 2a} = (104, 44)$ ;  $z_{1\ 3b} = (108, 88)$ ;
   $z_{1\ 3} = (123, 129)$ ;  $z_{1\ 3a} = (133, 158)$ ;  $z_{1\ 4b} = (150, 188)$ ;
   $z_{1\ 4} = (180, 188)$ ;  $z_{1\ 4a} = (208, 188)$ ;  $z_{1\ 5b} = (225, 160)$ ;
   $z_{1\ 5} = (235, 133)$ ;  $z_{1\ 5a} = (250, 94)$ ;  $z_{1\ 6b} = (254, 52)$ ;
   $z_{1\ 6} = (254, 10)$ ;  $z_{1\ 6a} = (254, -40)$ ;  $z_{1\ 7b} = (252, -91)$ ;
   $z_{1\ 7} = (234, -138)$ ;  $z_{1\ 7a} = (225, -164)$ ;  $z_{1\ 8b} = (207, -188)$ ;
   $z_{1\ 8} = (180, -188)$ ;
   $p_1 = \text{compose\_path}_{z_1}(8)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

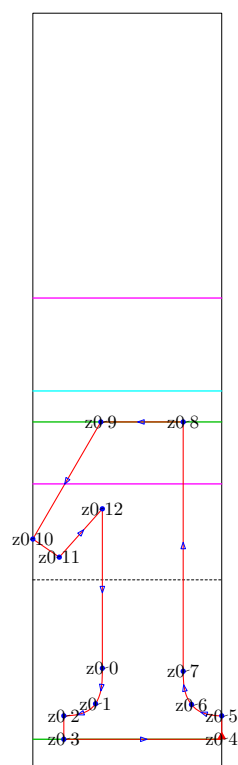
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(29)( $p_0, p_1$ ) $\text{candidate\_list}(y)(188, 217)$ ;
  fix_hstem(31)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-219, -188)$ ;
  fix_vstem(104)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 104)$ ;
  fix_vstem(107)( $p_0, p_1$ ) $\text{candidate\_list}(x)(254, 361)$ ;
  standard_exact_hsbw("c4_8");
endglyph;

```

Construction of the character c_{49} :

| Konstrukcja znaku c_{49} :



```

beginglyph(c 4_9);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (92, -117)$ ;  $z_{0\ 0a} = (92, -133)$ ;  $z_{0\ 1b} = (92, -150)$ ;
   $z_{0\ 1} = (83, -164)$ ;  $z_{0\ 1a} = (74, -177)$ ;  $z_{0\ 2b} = (57, -180)$ ;
   $z_{0\ 2} = (41, -180)$ ;
   $z_{0\ 3} = (41, -211)$ ;
   $z_{0\ 4} = (250, -211)$ ;
   $z_{0\ 5} = (250, -180)$ ;  $z_{0\ 5a} = (235, -180)$ ;  $z_{0\ 6b} = (219, -177)$ ;
   $z_{0\ 6} = (210, -165)$ ;  $z_{0\ 6a} = (200, -153)$ ;  $z_{0\ 7b} = (199, -137)$ ;
   $z_{0\ 7} = (199, -121)$ ;
   $z_{0\ 8} = (199, 209)$ ;
   $z_{0\ 9} = (90, 209)$ ;
   $z_{0\ 10} = (0, 54)$ ;
   $z_{0\ 11} = (35, 30)$ ;
   $z_{0\ 12} = (92, 94)$ ;
   $p_0 = \text{compose\_path}_{z_0}(12)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

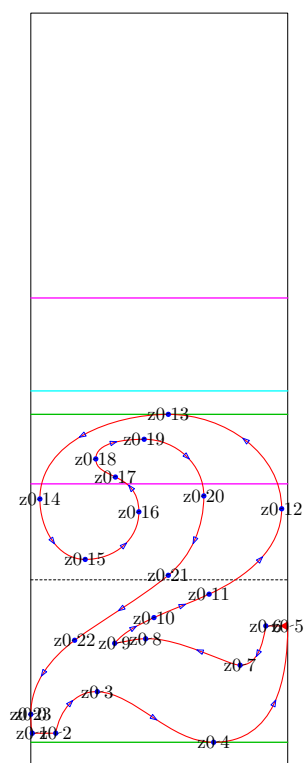
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(31)( $p_0$ ) $\text{candidate\_list}(y)(-211, -180)$ ;
  fix_vstem(107)( $p_0$ ) $\text{candidate\_list}(x)(92, 199)$ ;
  standard_exact_hsbw("c4_9");
endglyph;

```

Construction of the character c50:

| Konstrukcja znaku c50:



```

beginglyph(c 5_0);
  save  $p$ ; path  $p[]$ ;

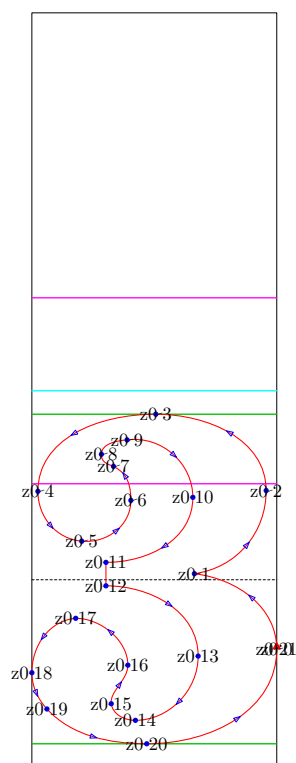
   $z_{0\ 0} = (0, -178)$ ;  $z_{0\ 0a} = (0, -186)$ ;  $z_{0\ 1b} = (0, -195)$ ;
   $z_{0\ 1} = (2, -203)$ ;
   $z_{0\ 2} = (33, -203)$ ;  $z_{0\ 2a} = (38, -173)$ ;  $z_{0\ 3b} = (59, -147)$ ;
   $z_{0\ 3} = (88, -148)$ ;  $z_{0\ 3a} = (138, -150)$ ;  $z_{0\ 4b} = (184, -215)$ ;
   $z_{0\ 4} = (242, -215)$ ;  $z_{0\ 4a} = (324, -215)$ ;  $z_{0\ 5b} = (340, -131)$ ;
   $z_{0\ 5} = (340, -61)$ ;
   $z_{0\ 6} = (311, -61)$ ;  $z_{0\ 6a} = (307, -86)$ ;  $z_{0\ 7b} = (300, -113)$ ;
   $z_{0\ 7} = (277, -113)$ ;  $z_{0\ 7a} = (261, -113)$ ;  $z_{0\ 8b} = (196, -76)$ ;
   $z_{0\ 8} = (152, -78)$ ;  $z_{0\ 8a} = (138, -78)$ ;  $z_{0\ 9b} = (125, -82)$ ;
   $z_{0\ 9} = (111, -84)$ ;  $z_{0\ 9a} = (124, -68)$ ;  $z_{0\ 10b} = (144, -59)$ ;
   $z_{0\ 10} = (163, -50)$ ;  $z_{0\ 10a} = (187, -39)$ ;  $z_{0\ 11b} = (212, -30)$ ;
   $z_{0\ 11} = (236, -19)$ ;  $z_{0\ 11a} = (286, 4)$ ;  $z_{0\ 12b} = (332, 41)$ ;
   $z_{0\ 12} = (332, 94)$ ;  $z_{0\ 12a} = (332, 167)$ ;  $z_{0\ 13b} = (257, 219)$ ;
   $z_{0\ 13} = (182, 219)$ ;  $z_{0\ 13a} = (108, 219)$ ;  $z_{0\ 14b} = (12, 183)$ ;
   $z_{0\ 14} = (12, 107)$ ;  $z_{0\ 14a} = (12, 68)$ ;  $z_{0\ 15b} = (35, 27)$ ;
   $z_{0\ 15} = (72, 27)$ ;  $z_{0\ 15a} = (112, 27)$ ;  $z_{0\ 16b} = (143, 54)$ ;
   $z_{0\ 16} = (143, 90)$ ;  $z_{0\ 16a} = (143, 118)$ ;  $z_{0\ 17b} = (127, 129)$ ;
   $z_{0\ 17} = (112, 136)$ ;  $z_{0\ 17a} = (98, 143)$ ;  $z_{0\ 18b} = (86, 147)$ ;
   $z_{0\ 18} = (86, 160)$ ;  $z_{0\ 18a} = (86, 182)$ ;  $z_{0\ 19b} = (124, 186)$ ;
   $z_{0\ 19} = (150, 186)$ ;  $z_{0\ 19a} = (193, 186)$ ;  $z_{0\ 20b} = (229, 152)$ ;
   $z_{0\ 20} = (229, 111)$ ;  $z_{0\ 20a} = (229, 71)$ ;  $z_{0\ 21b} = (213, 32)$ ;
   $z_{0\ 21} = (182, 6)$ ;  $z_{0\ 21a} = (143, -26)$ ;  $z_{0\ 22b} = (99, -50)$ ;
   $z_{0\ 22} = (58, -80)$ ;  $z_{0\ 22a} = (26, -104)$ ;  $z_{0\ 23b} = (0, -137)$ ;
   $z_{0\ 23} = (0, -178)$ ;
   $p_0 = \text{compose\_path}_{z_0}(23)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(33)( $p_0$ ) $\text{candidate\_list}(y)(186, 219)$ ;
  fix_hstem(70)( $p_0$ ) $\text{candidate\_list}(y)(-148, -78)$ ;
  fix_vstem(74)( $p_0$ ) $\text{candidate\_list}(x)(12, 86)$ ;
  fix_vstem(103)( $p_0$ ) $\text{candidate\_list}(x)(229, 332)$ ;
  standard_exact_hsbw("c5_0");
endglyph;

```

Construction of the character c_{51} :| Konstrukcja znaku c_{51} :

```

beginglyph(c 5_1);
  save p; path p[];

  z0 0 = (324, -92); z0 0a = (324, -37); z0 1b = (273, 1);
  z0 1 = (215, 8); z0 1a = (272, 16); z0 2b = (310, 63);
  z0 2 = (310, 118); z0 2a = (310, 186); z0 3b = (232, 219);
  z0 3 = (164, 219); z0 3a = (86, 219); z0 4b = (8, 186);
  z0 4 = (8, 117); z0 4a = (8, 83); z0 5b = (32, 54);
  z0 5 = (66, 51); z0 5a = (100, 48); z0 6b = (131, 72);
  z0 6 = (131, 105); z0 6a = (131, 136); z0 7b = (119, 144);
  z0 7 = (108, 150); z0 7a = (100, 153); z0 8b = (92, 155);
  z0 8 = (92, 166); z0 8a = (92, 180); z0 9b = (112, 184);
  z0 9 = (126, 185); z0 9a = (173, 191); z0 10b = (213, 153);
  z0 10 = (213, 109); z0 10a = (213, 53); z0 11b = (154, 23);
  z0 11 = (98, 23);
  z0 12 = (98, -8); z0 12a = (156, -8); z0 13b = (220, -41);
  z0 13 = (220, -101); z0 13a = (220, -147); z0 14b = (181, -186);
  z0 14 = (137, -186); z0 14a = (122, -186); z0 15b = (107, -178);
  z0 15 = (105, -164); z0 15a = (103, -147); z0 16b = (127, -133);
  z0 16 = (127, -113); z0 16a = (127, -80); z0 17b = (91, -51);
  z0 17 = (58, -51); z0 17a = (23, -54); z0 18b = (0, -87);
  z0 18 = (0, -123); z0 18a = (0, -141); z0 19b = (8, -158);
  z0 19 = (20, -171); z0 19a = (53, -207); z0 20b = (104, -217);
  z0 20 = (152, -217); z0 20a = (240, -217); z0 21b = (324, -171);
  z0 21 = (324, -92);
  p0 = compose_pathz0(21);

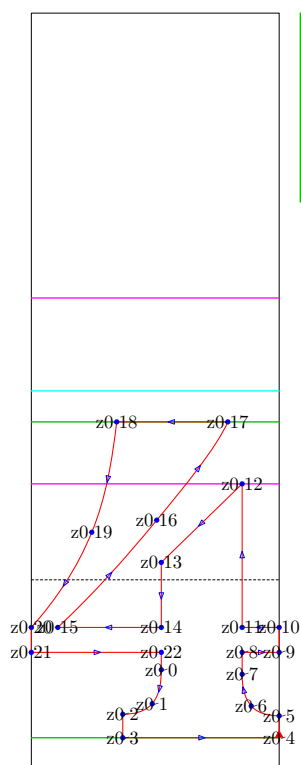
  correct_path_directions(p0)(p);

  if turningnumber p0 > 0: Fill else: unFill fi p0;

  fix_hstem(31)(p0)candidate_list(y)(-217, -186, -8, 23);
  fix_vstem(84)(p0)candidate_list(x)(8, 92);
  fix_vstem(97)(p0)candidate_list(x)(213, 310);
  standard_exact_hsbw("c5_1");
endglyph;

```

| Konstrukcja znaku c52:



```

beginglyph(c 5_2);
  save  $p$ ; path  $p[]$ ;

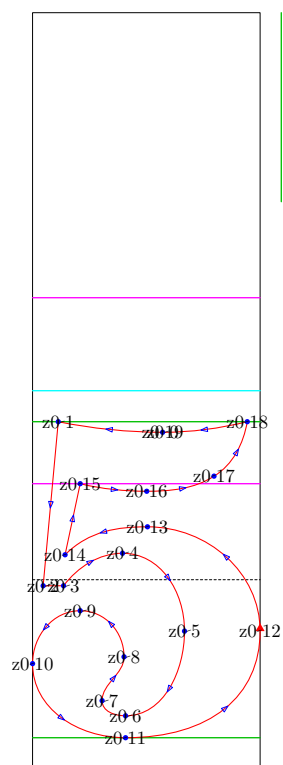
   $z_{0\ 0} = (172, -119)$ ;  $z_{0\ 0a} = (172, -135)$ ;  $z_{0\ 1b} = (170, -152)$ ;
   $z_{0\ 1} = (160, -164)$ ;  $z_{0\ 1a} = (150, -175)$ ;  $z_{0\ 2b} = (135, -178)$ ;
   $z_{0\ 2} = (121, -178)$ ;
   $z_{0\ 3} = (121, -209)$ ;
   $z_{0\ 4} = (328, -209)$ ;
   $z_{0\ 5} = (328, -180)$ ;  $z_{0\ 5a} = (314, -180)$ ;  $z_{0\ 6b} = (300, -177)$ ;
   $z_{0\ 6} = (291, -167)$ ;  $z_{0\ 6a} = (281, -155)$ ;  $z_{0\ 7b} = (279, -140)$ ;
   $z_{0\ 7} = (279, -125)$ ;
   $z_{0\ 8} = (279, -96)$ ;
   $z_{0\ 9} = (328, -96)$ ;
   $z_{0\ 10} = (328, -63)$ ;
   $z_{0\ 11} = (279, -63)$ ;
   $z_{0\ 12} = (279, 127)$ ;
   $z_{0\ 13} = (172, 23)$ ;
   $z_{0\ 14} = (172, -63)$ ;
   $z_{0\ 15} = (35, -63)$ ;  $z_{0\ 15a} = (82, -19)$ ;  $z_{0\ 16b} = (125, 29)$ ;
   $z_{0\ 16} = (166, 79)$ ;  $z_{0\ 16a} = (200, 120)$ ;  $z_{0\ 17b} = (246, 176)$ ;
   $z_{0\ 17} = (260, 209)$ ;
   $z_{0\ 18} = (113, 209)$ ;  $z_{0\ 18a} = (107, 159)$ ;  $z_{0\ 19b} = (99, 109)$ ;
   $z_{0\ 19} = (80, 63)$ ;  $z_{0\ 19a} = (61, 16)$ ;  $z_{0\ 20b} = (33, -26)$ ;
   $z_{0\ 20} = (0, -63)$ ;
   $z_{0\ 21} = (0, -96)$ ;
   $z_{0\ 22} = (172, -96)$ ;
   $p_0 = \text{compose\_path}_{z_0}(22)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(29)( $p_0$ )candidate_list( $y$ )(-209, -180);
  fix_hstem(33)( $p_0$ )candidate_list( $y$ )(-96, -63);
  fix_vstem(107)( $p_0$ )candidate_list( $x$ )(172, 279);
  standard_exact_hsbw("c5_2");
endglyph;

```

Construction of the character c_{53} :| Konstrukcja znaku c_{53} :

```

beginlyph(c 5_3);
  save p; path p[];

  z0 0 = (172, 195); z0 0a = (127, 195); z0 1b = (78, 200);
  z0 1 = (34, 209);
  z0 2 = (14, -8);
  z0 3 = (41, -8); z0 3a = (60, 17); z0 4b = (88, 35);
  z0 4 = (119, 35); z0 4a = (169, 35); z0 5b = (201, -15);
  z0 5 = (201, -68); z0 5a = (201, -120); z0 6b = (174, -180);
  z0 6 = (123, -180); z0 6a = (108, -180); z0 7b = (92, -174);
  z0 7 = (92, -160); z0 7a = (92, -137); z0 8b = (121, -125);
  z0 8 = (121, -102); z0 8a = (121, -69); z0 9b = (96, -41);
  z0 9 = (63, -41); z0 9a = (27, -41); z0 10b = (0, -74);
  z0 10 = (0, -111); z0 10a = (0, -170); z0 11b = (59, -209);
  z0 11 = (123, -209); z0 11a = (235, -209); z0 12b = (301, -154);
  z0 12 = (301, -68); z0 12a = (301, 9); z0 13b = (232, 70);
  z0 13 = (152, 70); z0 13a = (113, 70); z0 14b = (75, 65);
  z0 14 = (43, 33);
  z0 15 = (63, 127); z0 15a = (91, 120); z0 16b = (123, 117);
  z0 16 = (151, 117); z0 16a = (182, 117); z0 17b = (214, 120);
  z0 17 = (240, 137); z0 17a = (265, 152); z0 18b = (279, 180);
  z0 18 = (284, 209); z0 18a = (247, 200); z0 19b = (210, 195);
  z0 19 = (172, 195);
  p0 = compose_path_z0(19);

  correct_path_directions(p0)(p);

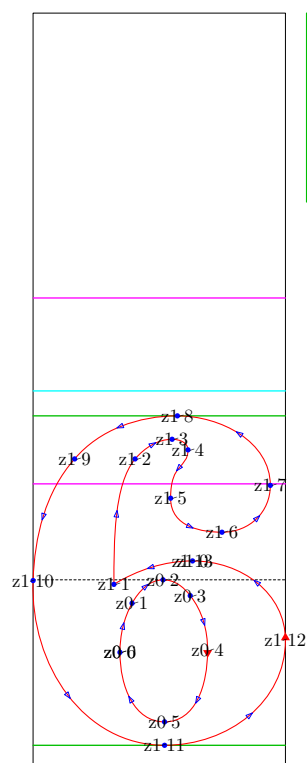
  if turningnumber p0 > 0: Fill else: unFill fi p0;

  fix_hstem(35)(p0)candidate_list(y)(35, 70);
  fix_hstem(29)(p0)candidate_list(y)(-209, -180);
  fix_hstem(78)(p0)candidate_list(y)(117, 195);
  fix_vstem(100)(p0)candidate_list(x)(201, 301);
  fix_vstem(121)(p0)candidate_list(x)(0, 121);
  standard_exact_hsbw("c5_3");
endglyph;

```

Construction of the character c54:

| Konstrukcja znaku c54:



```

beginglyph(c 5_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (115, -96)$ ;  $z_{0\ 0a} = (115, -73)$ ;  $z_{0\ 1b} = (120, -51)$ ;
   $z_{0\ 1} = (131, -31)$ ;  $z_{0\ 1a} = (140, -15)$ ;  $z_{0\ 2b} = (154, 0)$ ;
   $z_{0\ 2} = (172, 0)$ ;  $z_{0\ 2a} = (187, 0)$ ;  $z_{0\ 3b} = (199, -9)$ ;
   $z_{0\ 3} = (208, -21)$ ;  $z_{0\ 3a} = (224, -41)$ ;  $z_{0\ 4b} = (231, -67)$ ;
   $z_{0\ 4} = (231, -93)$ ;  $z_{0\ 4a} = (231, -140)$ ;  $z_{0\ 5b} = (215, -188)$ ;
   $z_{0\ 5} = (174, -188)$ ;  $z_{0\ 5a} = (134, -188)$ ;  $z_{0\ 6b} = (115, -142)$ ;
   $z_{0\ 6} = (115, -96)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

   $z_{1\ 0} = (211, 25)$ ;  $z_{1\ 0a} = (174, 25)$ ;  $z_{1\ 1b} = (138, 13)$ ;
   $z_{1\ 1} = (107, -6)$ ;  $z_{1\ 1a} = (107, 52)$ ;  $z_{1\ 2b} = (107, 126)$ ;
   $z_{1\ 2} = (135, 160)$ ;  $z_{1\ 2a} = (148, 175)$ ;  $z_{1\ 3b} = (165, 186)$ ;
   $z_{1\ 3} = (184, 186)$ ;  $z_{1\ 3a} = (195, 186)$ ;  $z_{1\ 4b} = (205, 181)$ ;
   $z_{1\ 4} = (205, 172)$ ;  $z_{1\ 4a} = (205, 147)$ ;  $z_{1\ 5b} = (182, 156)$ ;
   $z_{1\ 5} = (182, 108)$ ;  $z_{1\ 5a} = (182, 69)$ ;  $z_{1\ 6b} = (225, 63)$ ;
   $z_{1\ 6} = (250, 63)$ ;  $z_{1\ 6a} = (287, 63)$ ;  $z_{1\ 7b} = (314, 90)$ ;
   $z_{1\ 7} = (314, 125)$ ;  $z_{1\ 7a} = (314, 183)$ ;  $z_{1\ 8b} = (248, 217)$ ;
   $z_{1\ 8} = (191, 217)$ ;  $z_{1\ 8a} = (140, 217)$ ;  $z_{1\ 9b} = (88, 199)$ ;
   $z_{1\ 9} = (55, 160)$ ;  $z_{1\ 9a} = (16, 116)$ ;  $z_{1\ 10b} = (2, 57)$ ;
   $z_{1\ 10} = (0, -1)$ ;  $z_{1\ 10a} = (-4, -114)$ ;  $z_{1\ 11b} = (68, -219)$ ;
   $z_{1\ 11} = (174, -219)$ ;  $z_{1\ 11a} = (259, -219)$ ;  $z_{1\ 12b} = (334, -161)$ ;
   $z_{1\ 12} = (334, -80)$ ;  $z_{1\ 12a} = (334, -18)$ ;  $z_{1\ 13b} = (276, 25)$ ;
   $z_{1\ 13} = (211, 25)$ ;
   $p_1 = \text{compose\_path}_{z_1}(13)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

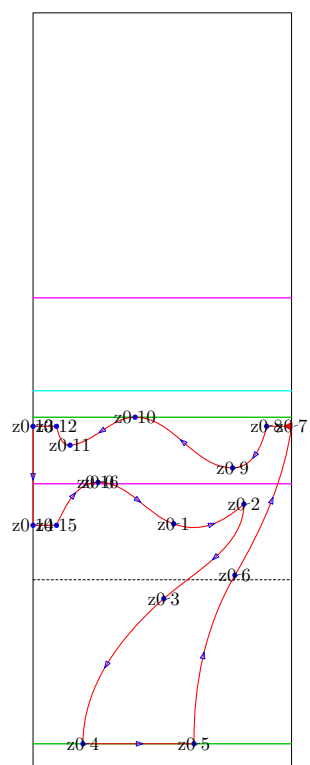
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(31)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-219, -188, 186, 217)$ ;
  fix_hstem(25)( $p_0, p_1$ ) $\text{candidate\_list}(y)(0, 25)$ ;
  fix_vstem(103)( $p_0, p_1$ ) $\text{candidate\_list}(x)(231, 334)$ ;
  fix_vstem(107)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 107)$ ;
  standard_exact_hsbw("c5_4");
endglyph;

```

Construction of the character c55:

| Konstrukcja znaku c55:



```

beginglyph(c 5_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (86, 129)$ ;  $z_{0\ 0a} = (127, 129)$ ;  $z_{0\ 1b} = (150, 86)$ ;
   $z_{0\ 1} = (186, 74)$ ;  $z_{0\ 1a} = (222, 61)$ ;  $z_{0\ 2b} = (250, 75)$ ;
   $z_{0\ 2} = (279, 100)$ ;  $z_{0\ 2a} = (279, 44)$ ;  $z_{0\ 3b} = (215, 12)$ ;
   $z_{0\ 3} = (173, -25)$ ;  $z_{0\ 3a} = (115, -76)$ ;  $z_{0\ 4b} = (66, -141)$ ;
   $z_{0\ 4} = (66, -217)$ ;
   $z_{0\ 5} = (213, -217)$ ;  $z_{0\ 5a} = (212, -139)$ ;  $z_{0\ 6b} = (228, -61)$ ;
   $z_{0\ 6} = (267, 6)$ ;  $z_{0\ 6a} = (305, 70)$ ;  $z_{0\ 7b} = (333, 137)$ ;
   $z_{0\ 7} = (342, 203)$ ;
   $z_{0\ 8} = (309, 203)$ ;  $z_{0\ 8a} = (303, 176)$ ;  $z_{0\ 9b} = (290, 148)$ ;
   $z_{0\ 9} = (264, 148)$ ;  $z_{0\ 9a} = (213, 148)$ ;  $z_{0\ 10b} = (186, 215)$ ;
   $z_{0\ 10} = (135, 215)$ ;  $z_{0\ 10a} = (103, 215)$ ;  $z_{0\ 11b} = (81, 181)$ ;
   $z_{0\ 11} = (49, 178)$ ;  $z_{0\ 11a} = (38, 177)$ ;  $z_{0\ 12b} = (34, 191)$ ;
   $z_{0\ 12} = (31, 203)$ ;
   $z_{0\ 13} = (0, 203)$ ;
   $z_{0\ 14} = (0, 72)$ ;
   $z_{0\ 15} = (31, 72)$ ;  $z_{0\ 15a} = (43, 99)$ ;  $z_{0\ 16b} = (58, 129)$ ;
   $z_{0\ 16} = (86, 129)$ ;
   $p_0 = \text{compose\_path}_{z_0}(16)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

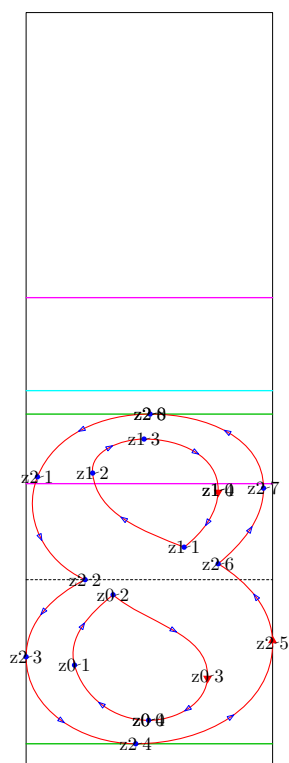
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(19)( $p_0$ ) $\text{candidate\_list}(y)(129, 148)$ ;
  fix_vstem(147)( $p_0$ ) $\text{candidate\_list}(x)(66, 213)$ ;
  standard_exact_hsbw("c5_5");
endglyph;

```

Construction of the character c56:

| Konstrukcja znaku c56:



```

beginglyph(c 5_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (162, -186)$ ;  $z_{0\ 0a} = (117, -186)$ ;  $z_{0\ 1b} = (76, -156)$ ;
   $z_{0\ 1} = (64, -113)$ ;  $z_{0\ 1a} = (54, -76)$ ;  $z_{0\ 2b} = (84, -45)$ ;
   $z_{0\ 2} = (115, -20)$ ;  $z_{0\ 2a} = (159, -58)$ ;  $z_{0\ 3b} = (240, -70)$ ;
   $z_{0\ 3} = (240, -127)$ ;  $z_{0\ 3a} = (240, -164)$ ;  $z_{0\ 4b} = (198, -186)$ ;
   $z_{0\ 4} = (162, -186)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

   $z_{1\ 0} = (254, 119)$ ;  $z_{1\ 0a} = (254, 88)$ ;  $z_{1\ 1b} = (233, 62)$ ;
   $z_{1\ 1} = (209, 43)$ ;  $z_{1\ 1a} = (155, 64)$ ;  $z_{1\ 2b} = (93, 87)$ ;
   $z_{1\ 2} = (88, 141)$ ;  $z_{1\ 2a} = (84, 170)$ ;  $z_{1\ 3b} = (126, 186)$ ;
   $z_{1\ 3} = (156, 186)$ ;  $z_{1\ 3a} = (205, 186)$ ;  $z_{1\ 4b} = (254, 163)$ ;
   $z_{1\ 4} = (254, 119)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $z_{2\ 0} = (164, 219)$ ;  $z_{2\ 0a} = (101, 219)$ ;  $z_{2\ 1b} = (38, 193)$ ;
   $z_{2\ 1} = (15, 136)$ ;  $z_{2\ 1a} = (-6, 83)$ ;  $z_{2\ 2b} = (24, 24)$ ;
   $z_{2\ 2} = (78, 0)$ ;  $z_{2\ 2a} = (36, -21)$ ;  $z_{2\ 3b} = (0, -56)$ ;
   $z_{2\ 3} = (0, -102)$ ;  $z_{2\ 3a} = (0, -172)$ ;  $z_{2\ 4b} = (74, -217)$ ;
   $z_{2\ 4} = (145, -217)$ ;  $z_{2\ 4a} = (237, -217)$ ;  $z_{2\ 5b} = (326, -168)$ ;
   $z_{2\ 5} = (326, -84)$ ;  $z_{2\ 5a} = (326, -39)$ ;  $z_{2\ 6b} = (293, -3)$ ;
   $z_{2\ 6} = (254, 21)$ ;  $z_{2\ 6a} = (285, 47)$ ;  $z_{2\ 7b} = (314, 80)$ ;
   $z_{2\ 7} = (314, 121)$ ;  $z_{2\ 7a} = (314, 187)$ ;  $z_{2\ 8b} = (239, 219)$ ;
   $z_{2\ 8} = (164, 219)$ ;
   $p_2 = \text{compose\_path}_{z_2}(8)$ ;

   $\text{correct\_path\_directions}(p_0, p_1, p_2)(p)$ ;

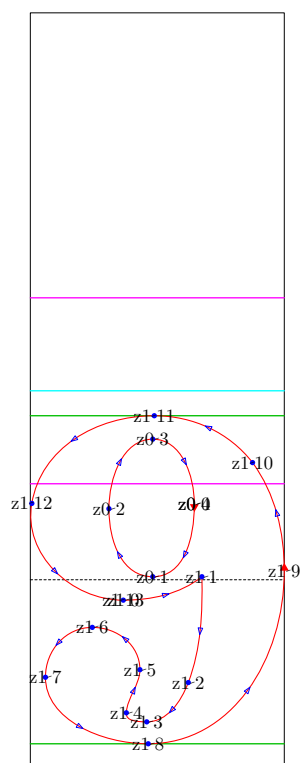
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;
  if turningnumber  $p_2 > 0$ : Fill else: unFill fi  $p_2$ ;

  fix_hstem(31)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(y)(-217, -186)$ ;
  fix_hstem(33)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(y)(186, 219)$ ;
  fix_vstem(60)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(x)(254, 314)$ ;
  standard_exact_hsbw("c5_6");
endglyph;

```

Construction of the character c57:

| Konstrukcja znaku c57:



```

beginglyph(c 5_7);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (217, 100)$ ;  $z_{0\ 0a} = (217, 53)$ ;  $z_{0\ 1b} = (203, 4)$ ;
   $z_{0\ 1} = (162, 4)$ ;  $z_{0\ 1a} = (122, 4)$ ;  $z_{0\ 2b} = (104, 49)$ ;
   $z_{0\ 2} = (104, 94)$ ;  $z_{0\ 2a} = (104, 134)$ ;  $z_{0\ 3b} = (122, 186)$ ;
   $z_{0\ 3} = (162, 186)$ ;  $z_{0\ 3a} = (200, 186)$ ;  $z_{0\ 4b} = (217, 138)$ ;
   $z_{0\ 4} = (217, 100)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

   $z_{1\ 0} = (123, -27)$ ;  $z_{1\ 0a} = (160, -27)$ ;  $z_{1\ 1b} = (198, -19)$ ;
   $z_{1\ 1} = (227, 4)$ ;  $z_{1\ 1a} = (228, -43)$ ;  $z_{1\ 2b} = (226, -91)$ ;
   $z_{1\ 2} = (209, -136)$ ;  $z_{1\ 2a} = (199, -162)$ ;  $z_{1\ 3b} = (181, -188)$ ;
   $z_{1\ 3} = (154, -188)$ ;  $z_{1\ 3a} = (141, -188)$ ;  $z_{1\ 4b} = (126, -187)$ ;
   $z_{1\ 4} = (127, -176)$ ;  $z_{1\ 4a} = (128, -156)$ ;  $z_{1\ 5b} = (145, -139)$ ;
   $z_{1\ 5} = (145, -119)$ ;  $z_{1\ 5a} = (145, -87)$ ;  $z_{1\ 6b} = (116, -63)$ ;
   $z_{1\ 6} = (82, -63)$ ;  $z_{1\ 6a} = (47, -63)$ ;  $z_{1\ 7b} = (20, -93)$ ;
   $z_{1\ 7} = (20, -129)$ ;  $z_{1\ 7a} = (20, -185)$ ;  $z_{1\ 8b} = (94, -217)$ ;
   $z_{1\ 8} = (156, -217)$ ;  $z_{1\ 8a} = (266, -217)$ ;  $z_{1\ 9b} = (336, -106)$ ;
   $z_{1\ 9} = (336, 12)$ ;  $z_{1\ 9a} = (336, 63)$ ;  $z_{1\ 10b} = (324, 114)$ ;
   $z_{1\ 10} = (294, 155)$ ;  $z_{1\ 10a} = (263, 195)$ ;  $z_{1\ 11b} = (215, 217)$ ;
   $z_{1\ 11} = (164, 217)$ ;  $z_{1\ 11a} = (87, 217)$ ;  $z_{1\ 12b} = (14, 174)$ ;
   $z_{1\ 12} = (2, 101)$ ;  $z_{1\ 12a} = (-10, 34)$ ;  $z_{1\ 13b} = (54, -27)$ ;
   $z_{1\ 13} = (123, -27)$ ;
   $p_1 = \text{compose\_path}_{z_1}(13)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

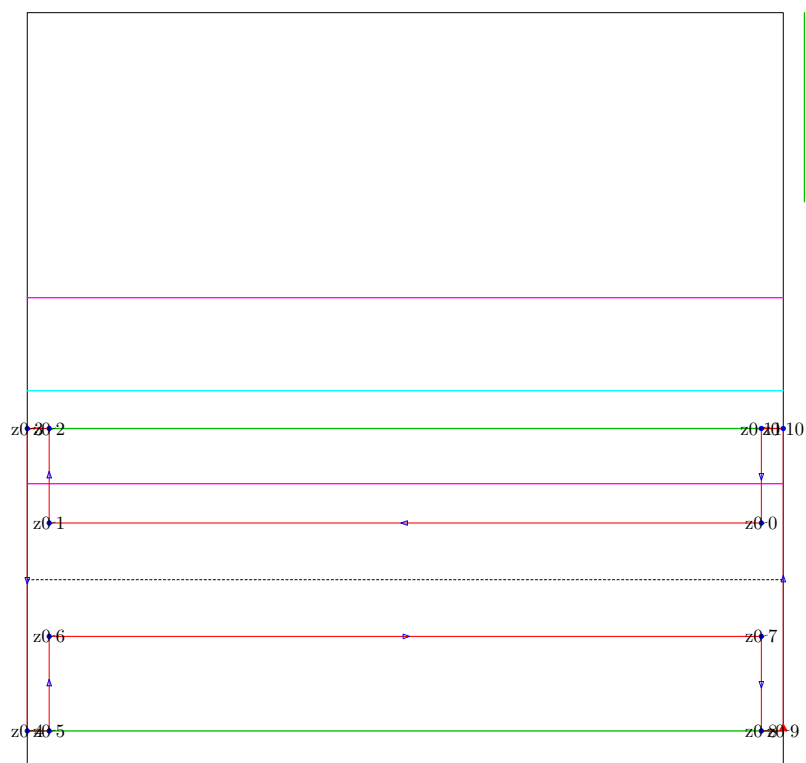
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(29)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-217, -188)$ ;
  fix_hstem(31)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-27, 4, 186, 217)$ ;
  fix_vstem(125)( $p_0, p_1$ ) $\text{candidate\_list}(x)(20, 145)$ ;
  fix_vstem(109)( $p_0, p_1$ ) $\text{candidate\_list}(x)(227, 336)$ ;
  standard_exact_hsbw("c5_7");
endglyph;

```

Construction of the character c58:

| Konstrukcja znaku c58:



```

beginglyph(c 5_8);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (971, 75)$ ;
   $z_0\ 1 = (29, 75)$ ;
   $z_0\ 2 = (29, 200)$ ;
   $z_0\ 3 = (0, 200)$ ;
   $z_0\ 4 = (0, -200)$ ;
   $z_0\ 5 = (29, -200)$ ;
   $z_0\ 6 = (29, -75)$ ;
   $z_0\ 7 = (971, -75)$ ;
   $z_0\ 8 = (971, -200)$ ;
   $z_0\ 9 = (1000, -200)$ ;
   $z_0\ 10 = (1000, 200)$ ;
   $z_0\ 11 = (971, 200)$ ;
   $p_0 = \text{compose\_path}_{z_0}(11)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

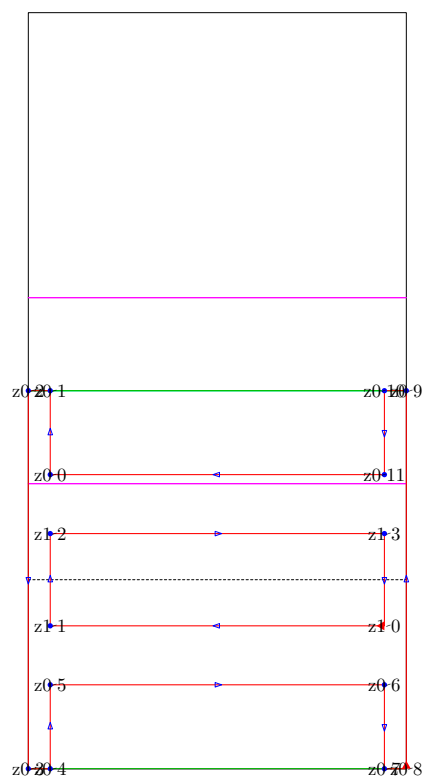
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(150)( $p_0$ ) $\text{candidate\_list}(y)(-75, 75)$ ;
  fix_vstem(29)( $p_0$ ) $\text{candidate\_list}(x)(0, 29, 971, 1000)$ ;
  standard_exact_hsbw("c5_8");
endglyph;

```

Construction of the character c59:

| Konstrukcja znaku c59:



```

beginglyph(c 5_9);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (29, 139)$ ;
   $z_{0\ 1} = (29, 250)$ ;
   $z_{0\ 2} = (0, 250)$ ;
   $z_{0\ 3} = (0, -250)$ ;
   $z_{0\ 4} = (29, -250)$ ;
   $z_{0\ 5} = (29, -139)$ ;
   $z_{0\ 6} = (471, -139)$ ;
   $z_{0\ 7} = (471, -250)$ ;
   $z_{0\ 8} = (500, -250)$ ;
   $z_{0\ 9} = (500, 250)$ ;
   $z_{0\ 10} = (471, 250)$ ;
   $z_{0\ 11} = (471, 139)$ ;
   $p_0 = \text{compose\_path}_{z_0}(11)$ ;

   $z_{1\ 0} = (471, -61)$ ;
   $z_{1\ 1} = (29, -61)$ ;
   $z_{1\ 2} = (29, 61)$ ;
   $z_{1\ 3} = (471, 61)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(78)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-139, -61, 61, 139)$ ;
  fix_vstem(29)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 29, 471, 500)$ ;
  standard_exact_hsbw("c5_9");
endglyph;

```



```

beginglyph(c 6_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 125)$ ;
   $z_{0\ 1} = (0, -125)$ ;
   $z_{0\ 2} = (148, -125)$ ;
   $z_{0\ 3} = (148, 125)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

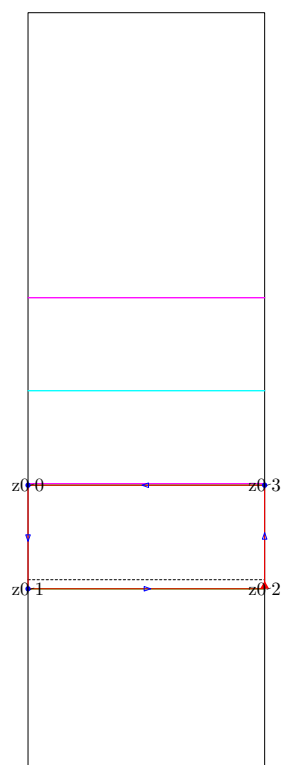
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(250)( $p_0$ ) $\text{candidate\_list}(y)(-125, 125)$ ;
  fix_vstem(148)( $p_0$ ) $\text{candidate\_list}(x)(0, 148)$ ;
  standard_exact_hsbw("c6_0");
endglyph;

```

Construction of the character c_61 :

| Konstrukcja znaku c_61 :



```

beginglyph(c 6_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 125)$ ;
   $z_{0\ 1} = (0, -12)$ ;
   $z_{0\ 2} = (313, -12)$ ;
   $z_{0\ 3} = (313, 125)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

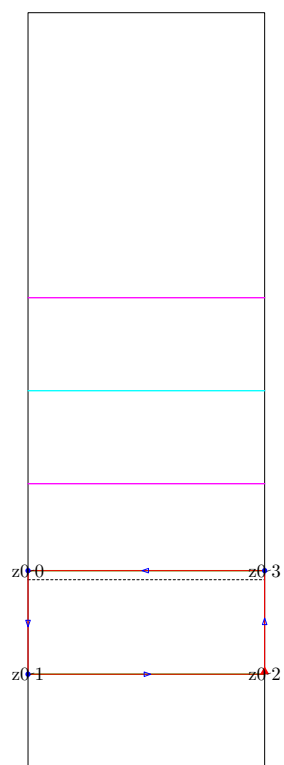
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(137)( $p_0$ ) $\text{candidate\_list}(y)(-12, 125)$ ;
  fix_vstem(313)( $p_0$ ) $\text{candidate\_list}(x)(0, 313)$ ;
  standard_exact_hsbw("c6_1");
endglyph;

```

Construction of the character c_62 :

| Konstrukcja znaku c_62 :



```

beginglyph(c 6_2);
  save  $p$ ; path  $p[]$ ;

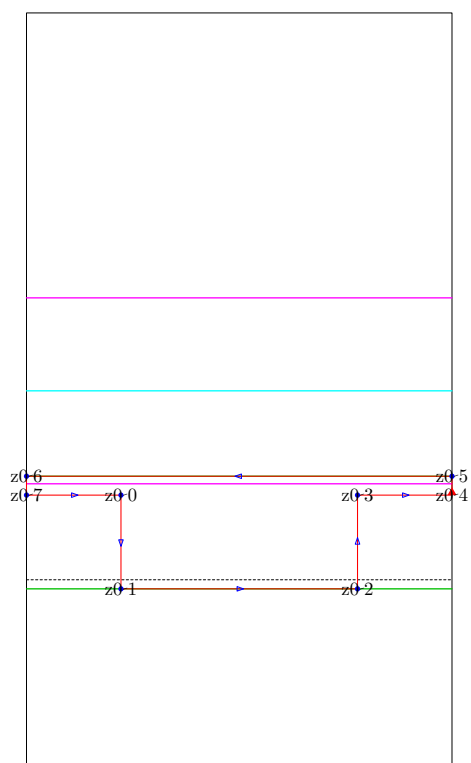
   $z_{0\ 0} = (0, 12)$ ;
   $z_{0\ 1} = (0, -125)$ ;
   $z_{0\ 2} = (313, -125)$ ;
   $z_{0\ 3} = (313, 12)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(137)( $p_0$ ) $\text{candidate\_list}(y)(-125, 12)$ ;
  fix_vstem(313)( $p_0$ ) $\text{candidate\_list}(x)(0, 313)$ ;
  standard_exact_hsbw("c6_2");
endglyph;

```

| Konstrukcja znaku c63:

```

beginglyph(c 6_3);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (125, 112)$ ;
   $z_0\ 1 = (125, -12)$ ;
   $z_0\ 2 = (438, -12)$ ;
   $z_0\ 3 = (438, 112)$ ;
   $z_0\ 4 = (563, 112)$ ;
   $z_0\ 5 = (563, 137)$ ;
   $z_0\ 6 = (0, 137)$ ;
   $z_0\ 7 = (0, 112)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

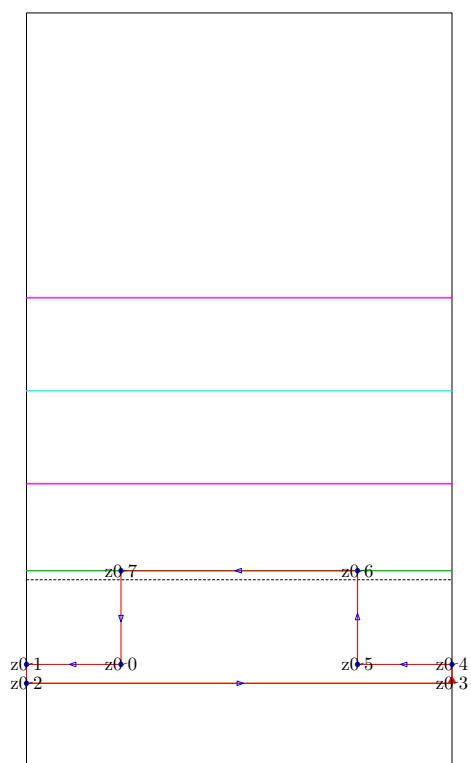
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(25)( $p_0$ )candidate_list( $y$ )(112, 137);
  fix_vstem(313)( $p_0$ )candidate_list( $x$ )(125, 438);
  standard_exact_hsbw("c6_3");
endglyph;

```

Construction of the character c_{64} :

| Konstrukcja znaku c_{64} :



```

beginglyph(c 6_4);
  save  $p$ ; path  $p[]$ ;

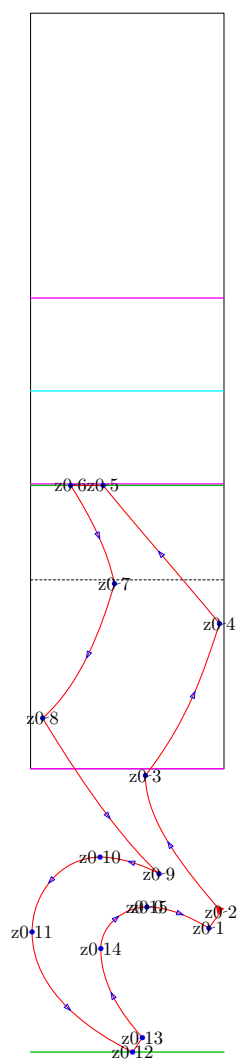
   $z_{0\ 0} = (125, -112)$ ;
   $z_{0\ 1} = (0, -112)$ ;
   $z_{0\ 2} = (0, -137)$ ;
   $z_{0\ 3} = (563, -137)$ ;
   $z_{0\ 4} = (563, -112)$ ;
   $z_{0\ 5} = (438, -112)$ ;
   $z_{0\ 6} = (438, 12)$ ;
   $z_{0\ 7} = (125, 12)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(149)( $p_0$ ) $\text{candidate\_list}(y)(-137, 12)$ ;
  fix_vstem(313)( $p_0$ ) $\text{candidate\_list}(x)(125, 438)$ ;
  standard_exact_hsbw("c6_4");
endglyph;

```

Construction of the character c_{65} :| Konstrukcja znaku c_{65} :

```

beginglyph(c 6_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (154, -433)$ ;  $z_{0\ 0a} = (183, -433)$ ;  $z_{0\ 1b} = (211, -446)$ ;
   $z_{0\ 1} = (236, -461)$ ;
   $z_{0\ 2} = (252, -439)$ ;  $z_{0\ 2a} = (206, -385)$ ;  $z_{0\ 3b} = (152, -320)$ ;
   $z_{0\ 3} = (152, -259)$ ;  $z_{0\ 3a} = (210, -184)$ ;  $z_{0\ 4b} = (230, -119)$ ;
   $z_{0\ 4} = (250, -58)$ ;  $z_{0\ 4a} = (197, 7)$ ;  $z_{0\ 5b} = (149, 60)$ ;
   $z_{0\ 5} = (96, 125)$ ;
   $z_{0\ 6} = (53, 125)$ ;  $z_{0\ 6a} = (80, 83)$ ;  $z_{0\ 7b} = (103, 36)$ ;
   $z_{0\ 7} = (111, -5)$ ;  $z_{0\ 7a} = (95, -61)$ ;  $z_{0\ 8b} = (67, -138)$ ;
   $z_{0\ 8} = (16, -183)$ ;  $z_{0\ 8a} = (78, -286)$ ;  $z_{0\ 9b} = (131, -354)$ ;
   $z_{0\ 9} = (170, -389)$ ;  $z_{0\ 9a} = (153, -379)$ ;  $z_{0\ 10b} = (119, -367)$ ;
   $z_{0\ 10} = (92, -367)$ ;  $z_{0\ 10a} = (41, -367)$ ;  $z_{0\ 11b} = (2, -414)$ ;
   $z_{0\ 11} = (2, -466)$ ;  $z_{0\ 11a} = (2, -546)$ ;  $z_{0\ 12b} = (82, -599)$ ;
   $z_{0\ 12} = (135, -625)$ ;
   $z_{0\ 13} = (148, -606)$ ;  $z_{0\ 13a} = (118, -572)$ ;  $z_{0\ 14b} = (93, -534)$ ;
   $z_{0\ 14} = (93, -488)$ ;  $z_{0\ 14a} = (93, -457)$ ;  $z_{0\ 15b} = (124, -433)$ ;
   $z_{0\ 15} = (154, -433)$ ;
   $p_0 = \text{compose\_path}_{z_0}(15)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

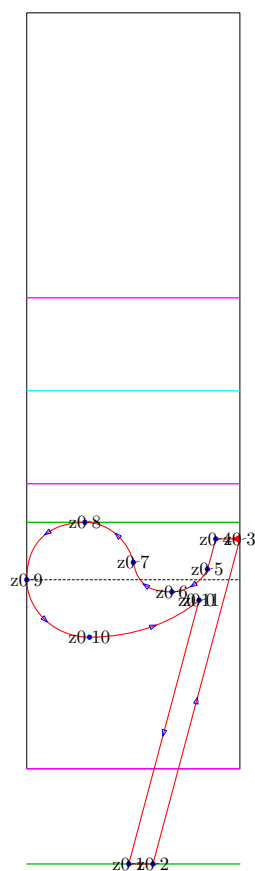
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_vstem(91)( $p_0$ ) $\text{candidate\_list}(x)(2, 93)$ ;
  ghost_stem  $\text{top}$ ;
  standard_exact_hsbw("c6_5");
endglyph;

```

Construction of the character c66:

| Konstrukcja znaku c66:



```

beginglyph(c 6_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (228, -27)$ ;
   $z_{0\ 1} = (135, -376)$ ;
   $z_{0\ 2} = (167, -376)$ ;
   $z_{0\ 3} = (282, 54)$ ;
   $z_{0\ 4} = (250, 54)$ ;  $z_{0\ 4a} = (250, 54)$ ;  $z_{0\ 5b} = (243, 26)$ ;
   $z_{0\ 5} = (239, 14)$ ;  $z_{0\ 5a} = (234, 0)$ ;  $z_{0\ 6b} = (213, -16)$ ;
   $z_{0\ 6} = (192, -16)$ ;  $z_{0\ 6a} = (165, -16)$ ;  $z_{0\ 7b} = (147, -9)$ ;
   $z_{0\ 7} = (141, 23)$ ;  $z_{0\ 7a} = (137, 45)$ ;  $z_{0\ 8b} = (113, 76)$ ;
   $z_{0\ 8} = (77, 76)$ ;  $z_{0\ 8a} = (50, 76)$ ;  $z_{0\ 9b} = (0, 66)$ ;
   $z_{0\ 9} = (0, 0)$ ;  $z_{0\ 9a} = (0, -37)$ ;  $z_{0\ 10b} = (34, -76)$ ;
   $z_{0\ 10} = (83, -76)$ ;  $z_{0\ 10a} = (143, -76)$ ;  $z_{0\ 11b} = (196, -55)$ ;
   $z_{0\ 11} = (228, -27)$ ;
   $p_0 = \text{compose\_path}_{z_0}(11)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

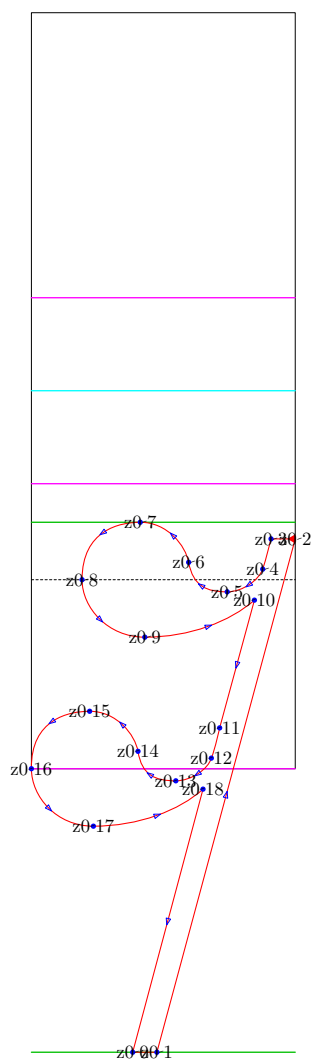
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(152)( $p_0$ ) $\text{candidate\_list}(y)(-76, 76)$ ;
  standard_exact_hsbw("c6_6");
endglyph;

```

Construction of the character c67:

| Konstrukcja znaku c67:



```

beginglyph(c 6_7);
  save  $p$ ; path  $p[]$ ;

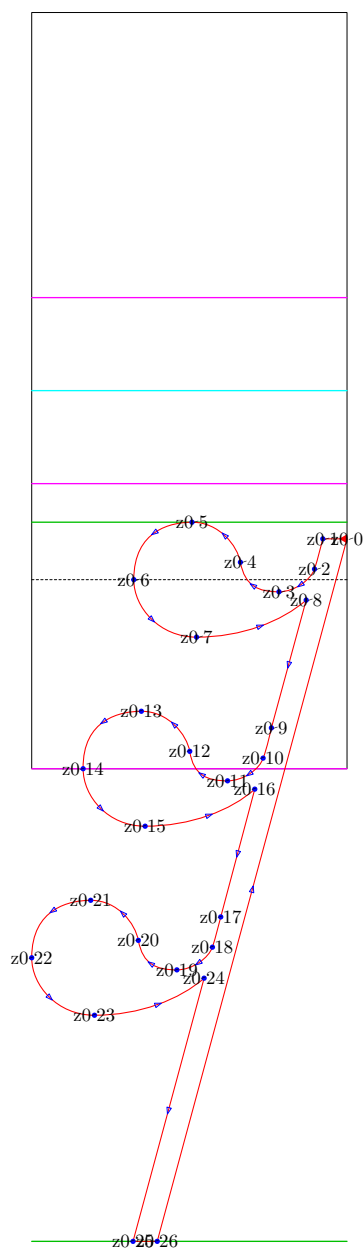
   $z_{0\ 0} = (134, -625)$ ;
   $z_{0\ 1} = (166, -625)$ ;
   $z_{0\ 2} = (349, 54)$ ;
   $z_{0\ 3} = (317, 54)$ ;  $z_{0\ 3a} = (317, 54)$ ;  $z_{0\ 4b} = (310, 26)$ ;
   $z_{0\ 4} = (306, 14)$ ;  $z_{0\ 4a} = (301, 0)$ ;  $z_{0\ 5b} = (280, -16)$ ;
   $z_{0\ 5} = (259, -16)$ ;  $z_{0\ 5a} = (232, -16)$ ;  $z_{0\ 6b} = (214, -9)$ ;
   $z_{0\ 6} = (208, 23)$ ;  $z_{0\ 6a} = (204, 45)$ ;  $z_{0\ 7b} = (180, 76)$ ;
   $z_{0\ 7} = (144, 76)$ ;  $z_{0\ 7a} = (117, 76)$ ;  $z_{0\ 8b} = (67, 66)$ ;
   $z_{0\ 8} = (67, 0)$ ;  $z_{0\ 8a} = (67, -37)$ ;  $z_{0\ 9b} = (101, -76)$ ;
   $z_{0\ 9} = (150, -76)$ ;  $z_{0\ 9a} = (210, -76)$ ;  $z_{0\ 10b} = (263, -55)$ ;
   $z_{0\ 10} = (295, -27)$ ;
   $z_{0\ 11} = (249, -196)$ ;  $z_{0\ 11a} = (249, -196)$ ;  $z_{0\ 12b} = (243, -224)$ ;
   $z_{0\ 12} = (238, -236)$ ;  $z_{0\ 12a} = (234, -250)$ ;  $z_{0\ 13b} = (212, -266)$ ;
   $z_{0\ 13} = (191, -266)$ ;  $z_{0\ 13a} = (164, -266)$ ;  $z_{0\ 14b} = (146, -259)$ ;
   $z_{0\ 14} = (141, -227)$ ;  $z_{0\ 14a} = (137, -205)$ ;  $z_{0\ 15b} = (113, -174)$ ;
   $z_{0\ 15} = (77, -174)$ ;  $z_{0\ 15a} = (50, -174)$ ;  $z_{0\ 16b} = (-1, -184)$ ;
   $z_{0\ 16} = (0, -250)$ ;  $z_{0\ 16a} = (0, -287)$ ;  $z_{0\ 17b} = (33, -326)$ ;
   $z_{0\ 17} = (82, -326)$ ;  $z_{0\ 17a} = (142, -326)$ ;  $z_{0\ 18b} = (196, -305)$ ;
   $z_{0\ 18} = (227, -277)$ ;
   $p_0 = \text{compose\_path}_{z_0}(18)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(60)( $p_0$ ) $\text{candidate\_list}(y)(-76, -16, -326, -266)$ ;
  standard_exact_hsbw("c6_7");
endglyph;

```

| Konstrukcja znaku c68:

```

beginglyph(c 6_8);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (417, 54)$ ;
   $z_{0\ 1} = (385, 54)$ ;  $z_{0\ 1a} = (385, 54)$ ;  $z_{0\ 2b} = (378, 26)$ ;
   $z_{0\ 2} = (374, 14)$ ;  $z_{0\ 2a} = (369, 0)$ ;  $z_{0\ 3b} = (348, -16)$ ;
   $z_{0\ 3} = (327, -16)$ ;  $z_{0\ 3a} = (300, -16)$ ;  $z_{0\ 4b} = (282, -9)$ ;
   $z_{0\ 4} = (276, 23)$ ;  $z_{0\ 4a} = (272, 45)$ ;  $z_{0\ 5b} = (248, 76)$ ;
   $z_{0\ 5} = (212, 76)$ ;  $z_{0\ 5a} = (185, 76)$ ;  $z_{0\ 6b} = (135, 66)$ ;
   $z_{0\ 6} = (135, 0)$ ;  $z_{0\ 6a} = (135, -37)$ ;  $z_{0\ 7b} = (169, -76)$ ;
   $z_{0\ 7} = (218, -76)$ ;  $z_{0\ 7a} = (278, -76)$ ;  $z_{0\ 8b} = (331, -55)$ ;
   $z_{0\ 8} = (363, -27)$ ;
   $z_{0\ 9} = (317, -196)$ ;  $z_{0\ 9a} = (317, -196)$ ;  $z_{0\ 10b} = (311, -224)$ ;
   $z_{0\ 10} = (306, -236)$ ;  $z_{0\ 10a} = (302, -250)$ ;  $z_{0\ 11b} = (280, -266)$ ;
   $z_{0\ 11} = (259, -266)$ ;  $z_{0\ 11a} = (232, -266)$ ;  $z_{0\ 12b} = (214, -259)$ ;
   $z_{0\ 12} = (209, -227)$ ;  $z_{0\ 12a} = (205, -205)$ ;  $z_{0\ 13b} = (181, -174)$ ;
   $z_{0\ 13} = (145, -174)$ ;  $z_{0\ 13a} = (118, -174)$ ;  $z_{0\ 14b} = (67, -184)$ ;
   $z_{0\ 14} = (68, -250)$ ;  $z_{0\ 14a} = (68, -287)$ ;  $z_{0\ 15b} = (101, -326)$ ;
   $z_{0\ 15} = (150, -326)$ ;  $z_{0\ 15a} = (210, -326)$ ;  $z_{0\ 16b} = (264, -305)$ ;
   $z_{0\ 16} = (295, -277)$ ;
   $z_{0\ 17} = (250, -446)$ ;  $z_{0\ 17a} = (250, -446)$ ;  $z_{0\ 18b} = (243, -474)$ ;
   $z_{0\ 18} = (239, -486)$ ;  $z_{0\ 18a} = (234, -500)$ ;  $z_{0\ 19b} = (213, -516)$ ;
   $z_{0\ 19} = (192, -516)$ ;  $z_{0\ 19a} = (165, -516)$ ;  $z_{0\ 20b} = (147, -509)$ ;
   $z_{0\ 20} = (141, -477)$ ;  $z_{0\ 20a} = (137, -455)$ ;  $z_{0\ 21b} = (114, -424)$ ;
   $z_{0\ 21} = (78, -424)$ ;  $z_{0\ 21a} = (51, -424)$ ;  $z_{0\ 22b} = (0, -434)$ ;
   $z_{0\ 22} = (0, -500)$ ;  $z_{0\ 22a} = (0, -537)$ ;  $z_{0\ 23b} = (34, -576)$ ;
   $z_{0\ 23} = (83, -576)$ ;  $z_{0\ 23a} = (143, -576)$ ;  $z_{0\ 24b} = (196, -555)$ ;
   $z_{0\ 24} = (228, -527)$ ;
   $z_{0\ 25} = (134, -875)$ ;
   $z_{0\ 26} = (166, -875)$ ;
   $p_0 = \text{compose\_path}_{z_0}(26)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

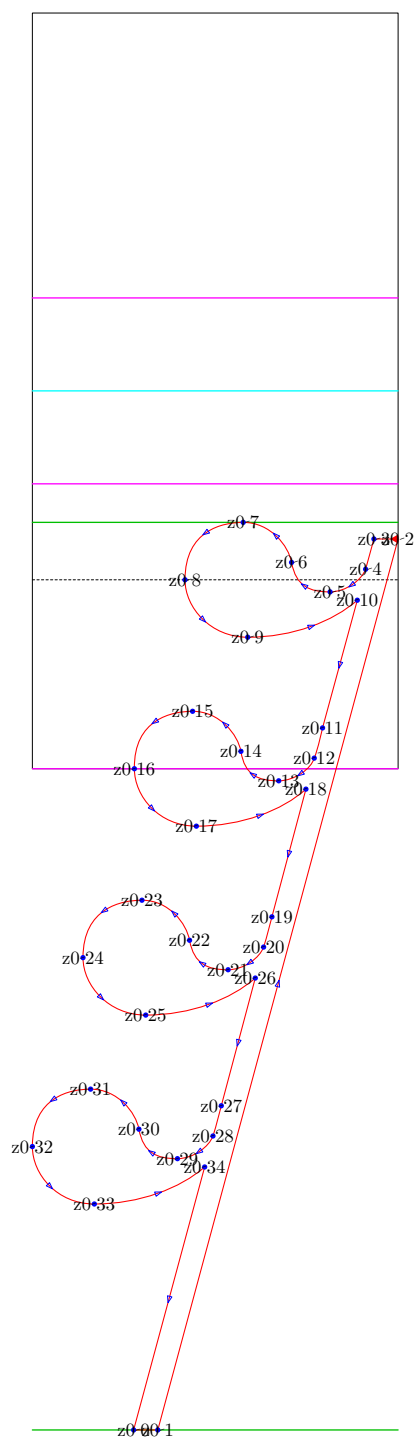
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(152)( $p_0$ ) $\text{candidate\_list}(y)(-76, 76, -326, -174, -576, -424)$ ;
  standard_exact_hsbw("c6_8");
endglyph;

```

Construction of the character c69:

| Konstrukcja znaku c69:



```

beginlyph(c 6_9);
  save p; path p[];

  z0 0 = (134, -1125);
  z0 1 = (166, -1125);
  z0 2 = (484, 54);
  z0 3 = (452, 54);
  z0 4 = (441, 14); z0 4a = (436, 0); z0 5b = (415, -16);
  z0 5 = (394, -16); z0 5a = (367, -16); z0 6b = (349, -9);
  z0 6 = (343, 23); z0 6a = (339, 45); z0 7b = (315, 76);
  z0 7 = (279, 76); z0 7a = (252, 76); z0 8b = (202, 66);
  z0 8 = (202, 0); z0 8a = (202, -37); z0 9b = (236, -76);
  z0 9 = (285, -76); z0 9a = (345, -76); z0 10b = (398, -55);
  z0 10 = (430, -27);
  z0 11 = (384, -196); z0 11a = (384, -196); z0 12b = (378, -224);
  z0 12 = (373, -236); z0 12a = (369, -250); z0 13b = (347, -266);
  z0 13 = (326, -266); z0 13a = (299, -266); z0 14b = (281, -259);
  z0 14 = (276, -227); z0 14a = (272, -205); z0 15b = (248, -174);
  z0 15 = (212, -174); z0 15a = (185, -174); z0 16b = (134, -184);
  z0 16 = (135, -250); z0 16a = (135, -287); z0 17b = (168, -326);
  z0 17 = (217, -326); z0 17a = (277, -326); z0 18b = (331, -305);
  z0 18 = (362, -277);
  z0 19 = (317, -446); z0 19a = (317, -446); z0 20b = (310, -474);
  z0 20 = (306, -486); z0 20a = (301, -500); z0 21b = (280, -516);
  z0 21 = (259, -516); z0 21a = (232, -516); z0 22b = (214, -509);
  z0 22 = (208, -477); z0 22a = (204, -455); z0 23b = (181, -424);
  z0 23 = (145, -424); z0 23a = (118, -424); z0 24b = (67, -434);
  z0 24 = (67, -500); z0 24a = (67, -537); z0 25b = (101, -576);
  z0 25 = (150, -576); z0 25a = (210, -576); z0 26b = (263, -555);
  z0 26 = (295, -527);
  z0 27 = (250, -696); z0 27a = (250, -696); z0 28b = (243, -724);
  z0 28 = (239, -736); z0 28a = (234, -750); z0 29b = (213, -766);
  z0 29 = (192, -766); z0 29a = (165, -766); z0 30b = (147, -759);
  z0 30 = (141, -727); z0 30a = (137, -705); z0 31b = (113, -674);
  z0 31 = (77, -674); z0 31a = (50, -674); z0 32b = (0, -684);
  z0 32 = (0, -750); z0 32a = (0, -787); z0 33b = (33, -826);
  z0 33 = (82, -826); z0 33a = (142, -826); z0 34b = (196, -805);
  z0 34 = (228, -777);
  p0 = compose_path_z0(34);

  correct_path_directions(p0)(p);

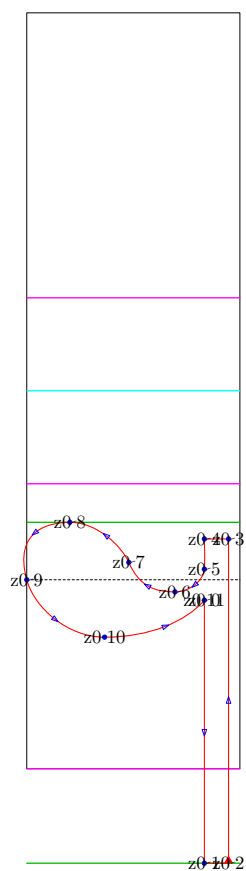
  if turningnumber p0 > 0: Fill else: unFill fi p0;

  fix_hstem(152)(p0)candidate_list(y)(-76, 76);
  fix_hstem(60)(p0)candidate_list(y)(-326, -266, -576, -516, -826, -766);
  standard_exact_hsbw("c6_9");
endglyph;

```

Construction of the character c_{70} :

| Konstrukcja znaku c_{70} :



```

beginglyph(c 7_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (235, -27)$ ;
   $z_{0\ 1} = (235, -375)$ ;
   $z_{0\ 2} = (267, -375)$ ;
   $z_{0\ 3} = (267, 54)$ ;
   $z_{0\ 4} = (235, 54)$ ;  $z_{0\ 4a} = (235, 54)$ ;  $z_{0\ 5b} = (236, 26)$ ;
   $z_{0\ 5} = (235, 14)$ ;  $z_{0\ 5a} = (234, 0)$ ;  $z_{0\ 6b} = (217, -16)$ ;
   $z_{0\ 6} = (196, -16)$ ;  $z_{0\ 6a} = (169, -16)$ ;  $z_{0\ 7b} = (149, -9)$ ;
   $z_{0\ 7} = (135, 23)$ ;  $z_{0\ 7a} = (125, 45)$ ;  $z_{0\ 8b} = (93, 76)$ ;
   $z_{0\ 8} = (57, 76)$ ;  $z_{0\ 8a} = (30, 76)$ ;  $z_{0\ 9b} = (-18, 66)$ ;
   $z_{0\ 9} = (0, 0)$ ;  $z_{0\ 9a} = (10, -37)$ ;  $z_{0\ 10b} = (54, -76)$ ;
   $z_{0\ 10} = (103, -76)$ ;  $z_{0\ 10a} = (163, -76)$ ;  $z_{0\ 11b} = (211, -55)$ ;
   $z_{0\ 11} = (235, -27)$ ;
   $p_0 = \text{compose\_path}_{z_0}(11)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

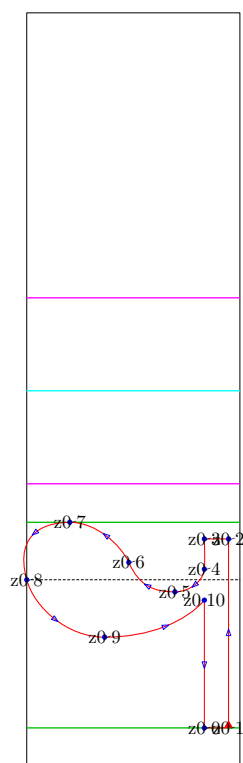
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(60)( $p_0$ ) $\text{candidate\_list}(y)(-76, -16)$ ;
  fix_vstem(32)( $p_0$ ) $\text{candidate\_list}(x)(235, 267)$ ;
  standard_exact_hsbw("c7_0");
endglyph;

```

Construction of the character c_{71} :

| Konstrukcja znaku c_{71} :



```

beginglyph(c 7_1);
  save  $p$ ; path  $p[]$ ;

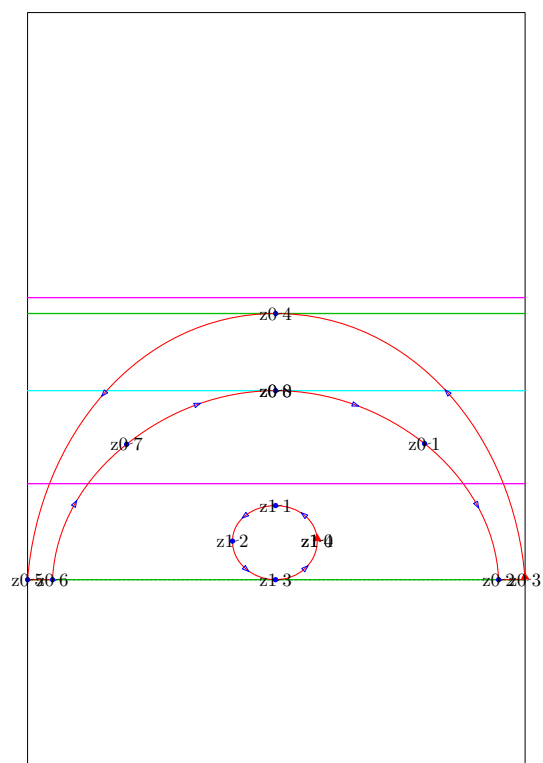
   $z_{0\ 0} = (235, -196)$ ;
   $z_{0\ 1} = (267, -196)$ ;
   $z_{0\ 2} = (267, 54)$ ;
   $z_{0\ 3} = (235, 54)$ ;  $z_{0\ 3a} = (235, 54)$ ;  $z_{0\ 4b} = (236, 26)$ ;
   $z_{0\ 4} = (235, 14)$ ;  $z_{0\ 4a} = (234, 0)$ ;  $z_{0\ 5b} = (217, -16)$ ;
   $z_{0\ 5} = (196, -16)$ ;  $z_{0\ 5a} = (169, -16)$ ;  $z_{0\ 6b} = (149, -9)$ ;
   $z_{0\ 6} = (135, 23)$ ;  $z_{0\ 6a} = (125, 45)$ ;  $z_{0\ 7b} = (93, 76)$ ;
   $z_{0\ 7} = (57, 76)$ ;  $z_{0\ 7a} = (30, 76)$ ;  $z_{0\ 8b} = (-18, 66)$ ;
   $z_{0\ 8} = (0, 0)$ ;  $z_{0\ 8a} = (10, -37)$ ;  $z_{0\ 9b} = (54, -76)$ ;
   $z_{0\ 9} = (103, -76)$ ;  $z_{0\ 9a} = (163, -76)$ ;  $z_{0\ 10b} = (211, -55)$ ;
   $z_{0\ 10} = (235, -27)$ ;
   $p_0 = \text{compose\_path}_{z_0}(10)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(60)( $p_0$ ) $\text{candidate\_list}(y)(-76, -16)$ ;
  fix_vstem(32)( $p_0$ ) $\text{candidate\_list}(x)(235, 267)$ ;
  standard_exact_hsbw("c7_1");
endglyph;

```

Construction of the character c_{72} :| Konstrukcja znaku c_{72} :

```

beginglyph(c 7_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (328, 250)$ ;  $z_{0\ 0a} = (400, 250)$ ;  $z_{0\ 1b} = (469, 224)$ ;
   $z_{0\ 1} = (525, 180)$ ;  $z_{0\ 1a} = (581, 135)$ ;  $z_{0\ 2b} = (620, 71)$ ;
   $z_{0\ 2} = (623, 0)$ ;
   $z_{0\ 3} = (658, 0)$ ;  $z_{0\ 3a} = (644, 189)$ ;  $z_{0\ 4b} = (510, 352)$ ;
   $z_{0\ 4} = (328, 352)$ ;  $z_{0\ 4a} = (147, 352)$ ;  $z_{0\ 5b} = (15, 189)$ ;
   $z_{0\ 5} = (0, 0)$ ;
   $z_{0\ 6} = (33, 0)$ ;  $z_{0\ 6a} = (36, 71)$ ;  $z_{0\ 7b} = (75, 135)$ ;
   $z_{0\ 7} = (131, 179)$ ;  $z_{0\ 7a} = (187, 224)$ ;  $z_{0\ 8b} = (256, 250)$ ;
   $z_{0\ 8} = (328, 250)$ ;
   $p_0 = \text{compose\_path}_{z_0}(8)$ ;

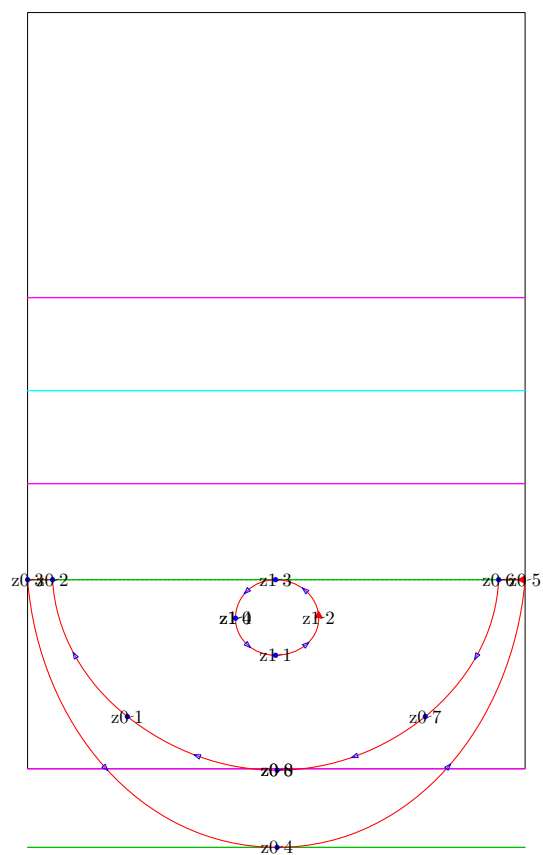
   $z_{1\ 0} = (383, 51)$ ;  $z_{1\ 0a} = (383, 79)$ ;  $z_{1\ 1b} = (357, 98)$ ;
   $z_{1\ 1} = (328, 98)$ ;  $z_{1\ 1a} = (298, 98)$ ;  $z_{1\ 2b} = (271, 79)$ ;
   $z_{1\ 2} = (271, 51)$ ;  $z_{1\ 2a} = (271, 22)$ ;  $z_{1\ 3b} = (298, 0)$ ;
   $z_{1\ 3} = (328, 0)$ ;  $z_{1\ 3a} = (358, 0)$ ;  $z_{1\ 4b} = (383, 22)$ ;
   $z_{1\ 4} = (383, 51)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(102)( $p_0, p_1$ ) $\text{candidate\_list}(y)(250, 352)$ ;
  fix_hstem(98)( $p_0, p_1$ ) $\text{candidate\_list}(y)(0, 98)$ ;
  fix_vstem(35)( $p_0, p_1$ ) $\text{candidate\_list}(x)(623, 658)$ ;
  fix_vstem(112)( $p_0, p_1$ ) $\text{candidate\_list}(x)(271, 383)$ ;
  fix_vstem(33)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 33)$ ;
  standard_exact_hsbw("c7_2");
endglyph;

```

Construction of the character $c73$:| Konstrukcja znaku $c73$:

```

beginglyph(c 7_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (330, -252)$ ;  $z_{0\ 0a} = (258, -252)$ ;  $z_{0\ 1b} = (189, -226)$ ;
   $z_{0\ 1} = (132, -181)$ ;  $z_{0\ 1a} = (76, -137)$ ;  $z_{0\ 2b} = (37, -72)$ ;
   $z_{0\ 2} = (33, 0)$ ;
   $z_{0\ 3} = (0, 0)$ ;  $z_{0\ 3a} = (15, -190)$ ;  $z_{0\ 4b} = (148, -354)$ ;
   $z_{0\ 4} = (330, -354)$ ;  $z_{0\ 4a} = (511, -354)$ ;  $z_{0\ 5b} = (642, -189)$ ;
   $z_{0\ 5} = (658, 0)$ ;
   $z_{0\ 6} = (623, 0)$ ;  $z_{0\ 6a} = (620, -72)$ ;  $z_{0\ 7b} = (581, -136)$ ;
   $z_{0\ 7} = (526, -181)$ ;  $z_{0\ 7a} = (470, -226)$ ;  $z_{0\ 8b} = (401, -252)$ ;
   $z_{0\ 8} = (330, -252)$ ;
   $p_0 = \text{compose\_path}_{z_0}(8)$ ;

   $z_{1\ 0} = (275, -51)$ ;  $z_{1\ 0a} = (275, -79)$ ;  $z_{1\ 1b} = (299, -100)$ ;
   $z_{1\ 1} = (328, -100)$ ;  $z_{1\ 1a} = (358, -100)$ ;  $z_{1\ 2b} = (385, -80)$ ;
   $z_{1\ 2} = (385, -51)$ ;  $z_{1\ 2a} = (385, -22)$ ;  $z_{1\ 3b} = (358, 0)$ ;
   $z_{1\ 3} = (328, 0)$ ;  $z_{1\ 3a} = (299, 0)$ ;  $z_{1\ 4b} = (275, -22)$ ;
   $z_{1\ 4} = (275, -51)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

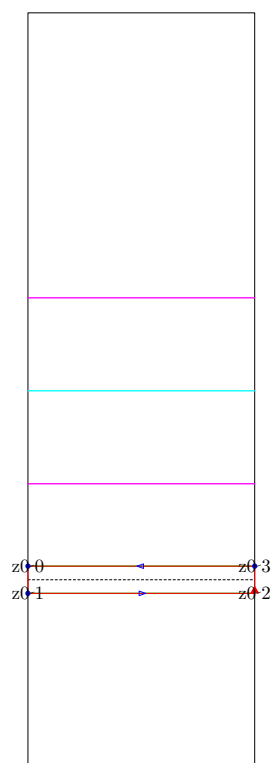
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(100)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-100, 0)$ ;
  fix_hstem(102)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-354, -252)$ ;
  fix_vstem(35)( $p_0, p_1$ ) $\text{candidate\_list}(x)(623, 658)$ ;
  fix_vstem(110)( $p_0, p_1$ ) $\text{candidate\_list}(x)(275, 385)$ ;
  fix_vstem(33)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 33)$ ;
  standard_exact_hsbw("c7_3");
endglyph;

```

Construction of the character c_{80} :

| Konstrukcja znaku c_{80} :



```

beginglyph(c 8_0);
  save  $p$ ; path  $p[]$ ;

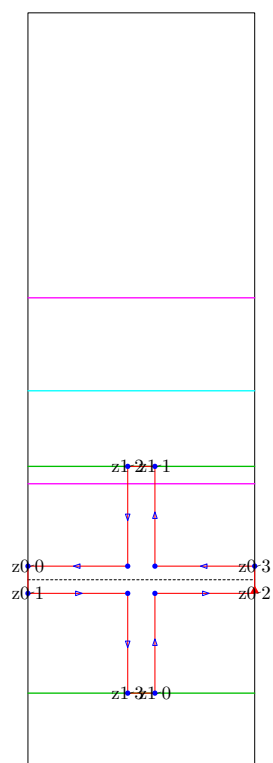
   $z_{0\ 0} = (0, \frac{1}{2} \textit{line\_wd}')$ ;
   $z_{0\ 1} = (0, -\frac{1}{2} \textit{line\_wd}')$ ;
   $z_{0\ 2} = (\textit{note\_wd}, -\frac{1}{2} \textit{line\_wd}')$ ;
   $z_{0\ 3} = (\textit{note\_wd}, \frac{1}{2} \textit{line\_wd}')$ ;
   $p_0 = \textit{compose\_path}_{z_0}(3)$ ;

   $\textit{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem( $\textit{line\_wd}'$ )( $p_0$ );
  fix_vstem( $\textit{note\_wd}$ )( $p_0$ );
  standard_exact_hsbw("c8_0");
endglyph;

```

Construction of the character c_{81} :| Konstrukcja znaku c_{81} :

```

beginglyph(c 8_1);
  save  $p, r$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, \frac{1}{2} \text{line\_wd}')$ ;
   $z_{0\ 1} = (0, -\frac{1}{2} \text{line\_wd}')$ ;
   $z_{0\ 2} = (\text{note\_wd}, -\frac{1}{2} \text{line\_wd}')$ ;
   $z_{0\ 3} = (\text{note\_wd}, \frac{1}{2} \text{line\_wd}')$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (\frac{1}{2} \text{note\_wd} + \frac{1}{2} \text{line\_wd}', -\frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 1} = (\frac{1}{2} \text{note\_wd} + \frac{1}{2} \text{line\_wd}', \frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 2} = (\frac{1}{2} \text{note\_wd} - \frac{1}{2} \text{line\_wd}', \frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 3} = (\frac{1}{2} \text{note\_wd} - \frac{1}{2} \text{line\_wd}', -\frac{1}{2} \text{note\_wd})$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

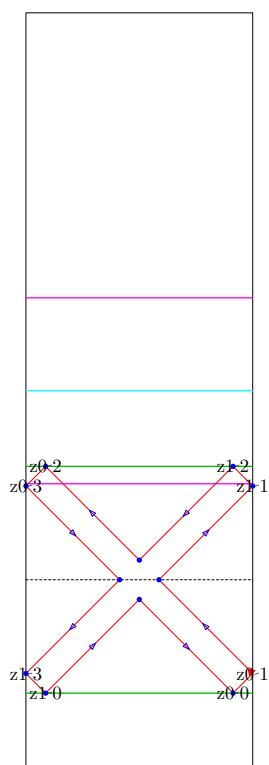
  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ;

  fix_hstem( $\text{line\_wd}'$ )( $r_1$ ); fix_vstem( $\text{line\_wd}'$ )( $r_1$ );
  ghost_stem  $\text{top}, \text{bot}$ ;
  standard_exact_hsbw("c8_1");
endglyph;

```

Construction of the character c82:

| Konstrukcja znaku c82:



```

beginglyph(c 8_2);
  save  $p, r$ ; path  $p[]$ ;
   $z_{0\ 0} = (\text{note\_wd} - \text{line\_wd}, 0 - \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 1} = (\text{note\_wd}, \text{line\_wd} - \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 2} = (\text{line\_wd}, \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 3} = (0, \frac{1}{2} \text{note\_wd} - \text{line\_wd})$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (\text{line\_wd}, -\frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 1} = (\text{note\_wd}, \frac{1}{2} \text{note\_wd} - \text{line\_wd})$ ;
   $z_{1\ 2} = (\text{note\_wd} - \text{line\_wd}, \frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 3} = (0, \text{line\_wd} - \frac{1}{2} \text{note\_wd})$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

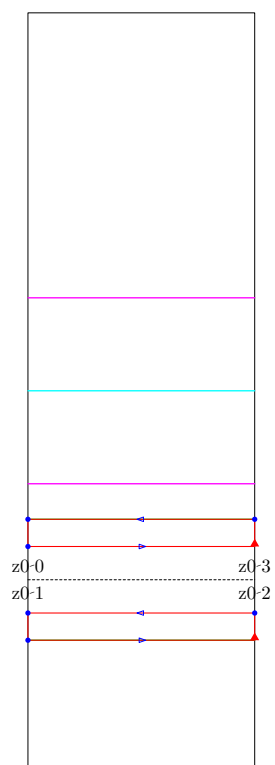
  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ;

  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c8_2");
endglyph;

```

Construction of the character c83:

| Konstrukcja znaku c83:



```

beginglyph(c 8_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, \frac{1}{2} \textit{line\_wd}')$ ;
   $z_{0\ 1} = (0, -\frac{1}{2} \textit{line\_wd}')$ ;
   $z_{0\ 2} = (\textit{note\_wd}, -\frac{1}{2} \textit{line\_wd}')$ ;
   $z_{0\ 3} = (\textit{note\_wd}, \frac{1}{2} \textit{line\_wd}')$ ;
   $p_0 = \textit{compose\_path}_{z_0}(3)$ ;

   $p_1 = p_0$  shifted  $(0, \frac{1}{2} (\textit{small\_spread} - \textit{line\_wd}'))$ ;
   $p_2 = p_0$  shifted  $(0, -\frac{1}{2} (\textit{small\_spread} - \textit{line\_wd}'))$ ;

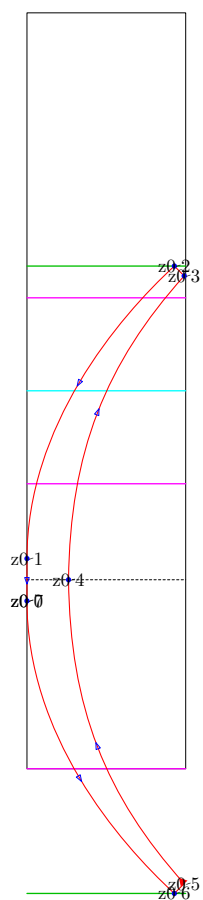
  Fill  $p_1, p_2$ ;

  fix_hstem $(\textit{line\_wd}')(p_1, p_2)$ ;
  fix_vstem $(\textit{note\_wd})(p_1)$ ;
  standard_exact_hsbw("c8_3");
endglyph;

```

Construction of the character c_{84} :

| Konstrukcja znaku c_{84} :



```

beginglyph(c 8_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -28)$ ;
   $z_{0\ 1} = (0, 28)$ ;  $z_{0\ 1a} = (0, 203)$ ;  $z_{0\ 2b} = (120, 346)$ ;
   $z_{0\ 2} = (195, 415)$ ;
   $z_{0\ 3} = (208, 402)$ ;  $z_{0\ 3a} = (104, 286)$ ;  $z_{0\ 4b} = (57, 169)$ ;
   $z_{0\ 4} = (55, 0)$ ;  $z_{0\ 4a} = (57, -169)$ ;  $z_{0\ 5b} = (104, -286)$ ;
   $z_{0\ 5} = (208, -402)$ ;
   $z_{0\ 6} = (195, -415)$ ;  $z_{0\ 6a} = (120, -346)$ ;  $z_{0\ 7b} = (0, -205)$ ;
   $z_{0\ 7} = (0, -28)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

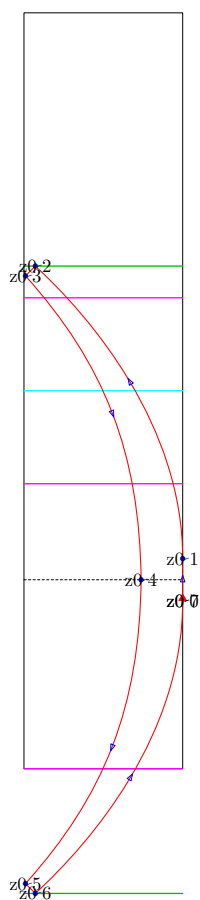
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top$ ;
  standard\_exact\_hsbw("c8_4");
endglyph;

```

Construction of the character c85:

| Konstrukcja znaku c85:



```

beginglyph(c 8_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (210, -28)$ ;
   $z_{0\ 1} = (210, 28)$ ;  $z_{0\ 1a} = (210, 203)$ ;  $z_{0\ 2b} = (90, 346)$ ;
   $z_{0\ 2} = (15, 415)$ ;
   $z_{0\ 3} = (2, 402)$ ;  $z_{0\ 3a} = (106, 286)$ ;  $z_{0\ 4b} = (153, 169)$ ;
   $z_{0\ 4} = (155, 0)$ ;  $z_{0\ 4a} = (153, -169)$ ;  $z_{0\ 5b} = (106, -286)$ ;
   $z_{0\ 5} = (2, -402)$ ;
   $z_{0\ 6} = (15, -415)$ ;  $z_{0\ 6a} = (90, -346)$ ;  $z_{0\ 7b} = (210, -205)$ ;
   $z_{0\ 7} = (210, -28)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

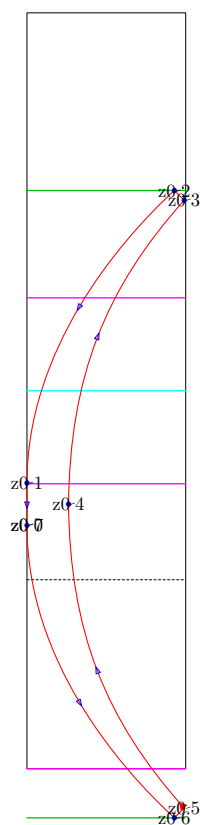
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_vstem(55)( $p_0$ ) $\text{candidate\_list}(x)(155, 210)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c8_5");
endglyph;

```

Construction of the character c_{86} :

| Konstrukcja znaku c_{86} :



```

beginglyph(c 8_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 72)$ ;
   $z_{0\ 1} = (0, 128)$ ;  $z_{0\ 1a} = (0, 303)$ ;  $z_{0\ 2b} = (120, 446)$ ;
   $z_{0\ 2} = (195, 515)$ ;
   $z_{0\ 3} = (208, 502)$ ;  $z_{0\ 3a} = (104, 386)$ ;  $z_{0\ 4b} = (57, 269)$ ;
   $z_{0\ 4} = (55, 100)$ ;  $z_{0\ 4a} = (57, -69)$ ;  $z_{0\ 5b} = (104, -186)$ ;
   $z_{0\ 5} = (208, -302)$ ;
   $z_{0\ 6} = (195, -315)$ ;  $z_{0\ 6a} = (120, -246)$ ;  $z_{0\ 7b} = (0, -105)$ ;
   $z_{0\ 7} = (0, 72)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

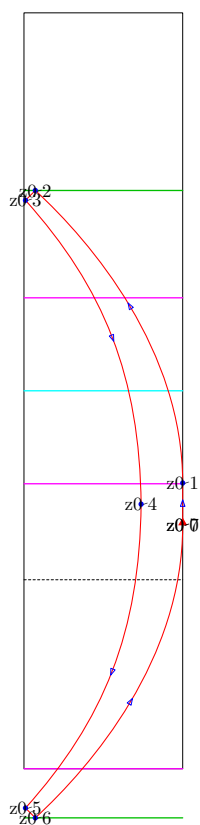
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost_stem  $top$ ;
  standard_exact_hsbw("c8_6");
endglyph;

```

Construction of the character c87:

| Konstrukcja znaku c87:



```

beginglyph(c 8_7);
  save  $p$ ; path  $p[]$ ;

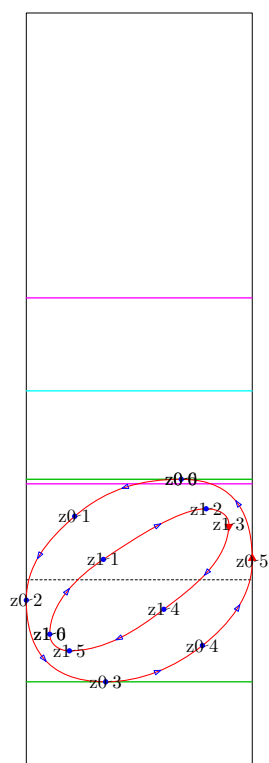
   $z_{0\ 0} = (210, 72)$ ;
   $z_{0\ 1} = (210, 128)$ ;  $z_{0\ 1a} = (210, 303)$ ;  $z_{0\ 2b} = (90, 446)$ ;
   $z_{0\ 2} = (15, 515)$ ;
   $z_{0\ 3} = (2, 502)$ ;  $z_{0\ 3a} = (106, 386)$ ;  $z_{0\ 4b} = (153, 269)$ ;
   $z_{0\ 4} = (155, 100)$ ;  $z_{0\ 4a} = (153, -69)$ ;  $z_{0\ 5b} = (106, -186)$ ;
   $z_{0\ 5} = (2, -302)$ ;
   $z_{0\ 6} = (15, -315)$ ;  $z_{0\ 6a} = (90, -246)$ ;  $z_{0\ 7b} = (210, -105)$ ;
   $z_{0\ 7} = (210, 72)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_vstem(55)( $p_0$ ) $\text{candidate\_list}(x)(155, 210)$ ;
  ghost_stem  $\text{top}$ ;
  standard_exact_hsbw("c8_7");
endglyph;

```

Construction of the character c_{90} :| Konstrukcja znaku c_{90} :

```

beginglyph(c 9_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (205, 133)$ ;  $z_{0\ 0a} = (154, 133)$ ;  $z_{0\ 1b} = (108, 122)$ ;
   $z_{0\ 1} = (64, 84)$ ;  $z_{0\ 1a} = (26, 51)$ ;  $z_{0\ 2b} = (0, 18)$ ;
   $z_{0\ 2} = (0, -27)$ ;  $z_{0\ 2a} = (0, -87)$ ;  $z_{0\ 3b} = (25, -135)$ ;
   $z_{0\ 3} = (105, -135)$ ;  $z_{0\ 3a} = (152, -135)$ ;  $z_{0\ 4b} = (196, -116)$ ;
   $z_{0\ 4} = (233, -87)$ ;  $z_{0\ 4a} = (269, -59)$ ;  $z_{0\ 5b} = (299, -21)$ ;
   $z_{0\ 5} = (299, 25)$ ;  $z_{0\ 5a} = (299, 81)$ ;  $z_{0\ 6b} = (281, 133)$ ;
   $z_{0\ 6} = (205, 133)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

   $z_{1\ 0} = (31, -72)$ ;  $z_{1\ 0a} = (31, -32)$ ;  $z_{1\ 1b} = (67, 4)$ ;
   $z_{1\ 1} = (102, 27)$ ;  $z_{1\ 1a} = (145, 56)$ ;  $z_{1\ 2b} = (203, 94)$ ;
   $z_{1\ 2} = (238, 94)$ ;  $z_{1\ 2a} = (253, 94)$ ;  $z_{1\ 3b} = (268, 87)$ ;
   $z_{1\ 3} = (268, 74)$ ;  $z_{1\ 3a} = (268, 26)$ ;  $z_{1\ 4b} = (221, -10)$ ;
   $z_{1\ 4} = (182, -39)$ ;  $z_{1\ 4a} = (146, -67)$ ;  $z_{1\ 5b} = (104, -94)$ ;
   $z_{1\ 5} = (57, -94)$ ;  $z_{1\ 5a} = (43, -94)$ ;  $z_{1\ 6b} = (31, -85)$ ;
   $z_{1\ 6} = (31, -72)$ ;
   $p_1 = \text{compose\_path}_{z_1}(6)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

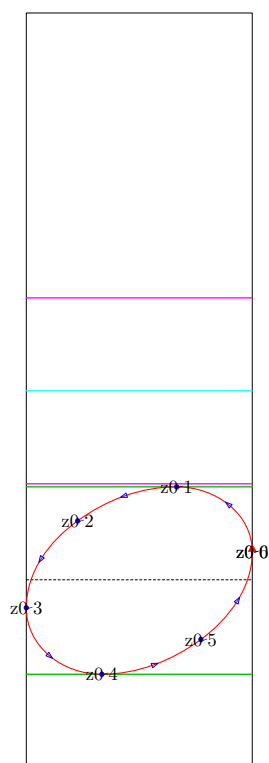
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(39)( $p_0, p_1$ ) $\text{candidate\_list}(y)(94, 133)$ ;
  fix_hstem(41)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-135, -94)$ ;
  fix_vstem(31)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 31, 268, 299)$ ;
  standard_exact_hsbw("c9_0");
endglyph;

```

Construction of the character χ_1 :

| Konstrukcja znaku χ_1 :



```

beginglyph(c 9_1);
  save  $p$ ; path  $p[]$ ;

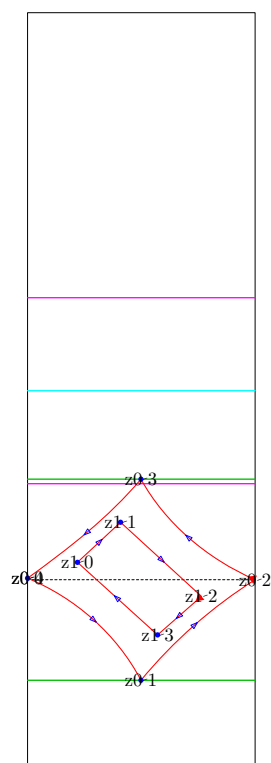
   $z_{0\ 0} = (299, 37)$ ;  $z_{0\ 0a} = (299, 88)$ ;  $z_{0\ 1b} = (250, 123)$ ;
   $z_{0\ 1} = (199, 123)$ ;  $z_{0\ 1a} = (152, 123)$ ;  $z_{0\ 2b} = (106, 106)$ ;
   $z_{0\ 2} = (68, 78)$ ;  $z_{0\ 2a} = (30, 51)$ ;  $z_{0\ 3b} = (0, 10)$ ;
   $z_{0\ 3} = (0, -37)$ ;  $z_{0\ 3a} = (0, -88)$ ;  $z_{0\ 4b} = (47, -125)$ ;
   $z_{0\ 4} = (100, -125)$ ;  $z_{0\ 4a} = (147, -125)$ ;  $z_{0\ 5b} = (193, -107)$ ;
   $z_{0\ 5} = (231, -79)$ ;  $z_{0\ 5a} = (269, -51)$ ;  $z_{0\ 6b} = (299, -10)$ ;
   $z_{0\ 6} = (299, 37)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(248)( $p_0$ ) $\text{candidate\_list}(y)(-125, 123)$ ;
  fix_vstem(299)( $p_0$ ) $\text{candidate\_list}(x)(0, 299)$ ;
  standard_exact_hsbw("c9_1");
endglyph;

```

Construction of the character c_9 :| Konstrukcja znaku c_9 :

```

beginglyph(c 9_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 2)$ ;  $z_{0\ 0a} = (63, -24)$ ;  $z_{0\ 1b} = (118, -72)$ ;
   $z_{0\ 1} = (150, -133)$ ;  $z_{0\ 1a} = (193, -81)$ ;  $z_{0\ 2b} = (244, -36)$ ;
   $z_{0\ 2} = (301, 0)$ ;  $z_{0\ 2a} = (237, 28)$ ;  $z_{0\ 3b} = (182, 75)$ ;
   $z_{0\ 3} = (150, 133)$ ;  $z_{0\ 3a} = (107, 82)$ ;  $z_{0\ 4b} = (54, 41)$ ;
   $z_{0\ 4} = (0, 2)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

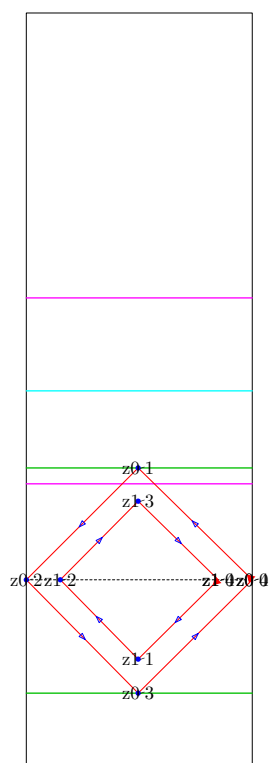
   $z_{1\ 0} = (66, 23)$ ;
   $z_{1\ 1} = (123, 76)$ ;
   $z_{1\ 2} = (230, -22)$ ;
   $z_{1\ 3} = (172, -73)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  ghost\_stem top;
  standard\_exact\_hsbw("c9_2");
endglyph;

```

Construction of the character c_9 :| Konstrukcja znaku c_9 :

```

beginglyph(c 9_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (299, 0)$ ;
   $z_{0\ 1} = (148, 148)$ ;
   $z_{0\ 2} = (0, 0)$ ;  $z_{0\ 2a} = (49, -50)$ ;  $z_{0\ 3b} = (99, -100)$ ;
   $z_{0\ 3} = (148, -150)$ ;  $z_{0\ 3a} = (198, -100)$ ;  $z_{0\ 4b} = (249, -50)$ ;
   $z_{0\ 4} = (299, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

   $z_{1\ 0} = (254, 0)$ ;  $z_{1\ 0a} = (219, -35)$ ;  $z_{1\ 1b} = (183, -70)$ ;
   $z_{1\ 1} = (148, -105)$ ;  $z_{1\ 1a} = (114, -70)$ ;  $z_{1\ 2b} = (79, -35)$ ;
   $z_{1\ 2} = (45, 0)$ ;  $z_{1\ 2a} = (79, 35)$ ;  $z_{1\ 3b} = (114, 69)$ ;
   $z_{1\ 3} = (148, 104)$ ;  $z_{1\ 3a} = (183, 69)$ ;  $z_{1\ 4b} = (219, 35)$ ;
   $z_{1\ 4} = (254, 0)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

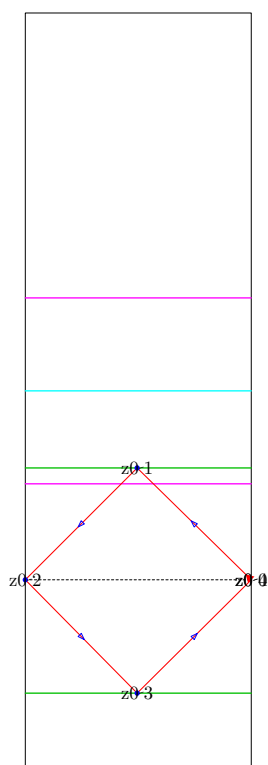
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  ghost\_stem  $top$ ;
  standard\_exact\_hsbw("c9_3");
endglyph;

```

Construction of the character c_9 :

| Konstrukcja znaku c_9 :



```

beginglyph(c 9_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (299, 0)$ ;
   $z_{0\ 1} = (148, 148)$ ;
   $z_{0\ 2} = (0, 0)$ ;  $z_{0\ 2a} = (49, -50)$ ;  $z_{0\ 3b} = (99, -100)$ ;
   $z_{0\ 3} = (148, -150)$ ;  $z_{0\ 3a} = (198, -100)$ ;  $z_{0\ 4b} = (249, -50)$ ;
   $z_{0\ 4} = (299, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

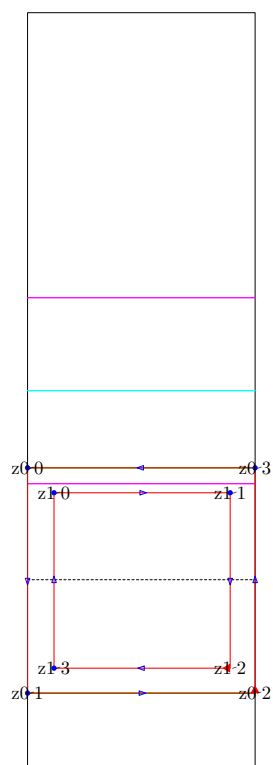
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top$ ;
  standard\_exact\_hsbw("c9_4");
endglyph;

```

Construction of the character c95:

| Konstrukcja znaku c95:



```

beginglyph(c 9_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 148)$ ;
   $z_{0\ 1} = (0, -150)$ ;
   $z_{0\ 2} = (301, -150)$ ;
   $z_{0\ 3} = (301, 148)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (35, 115)$ ;
   $z_{1\ 1} = (268, 115)$ ;
   $z_{1\ 2} = (268, -117)$ ;
   $z_{1\ 3} = (35, -117)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(33)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-150, -117, 115, 148)$ ;
  fix_vstem(35)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 35)$ ;
  fix_vstem(33)( $p_0, p_1$ ) $\text{candidate\_list}(x)(268, 301)$ ;
  standard_exact_hsbw("c9_5");
endglyph;

```



```

beginglyph(c 9_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 148)$ ;
   $z_{0\ 1} = (0, -150)$ ;
   $z_{0\ 2} = (299, -150)$ ;
   $z_{0\ 3} = (299, 148)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

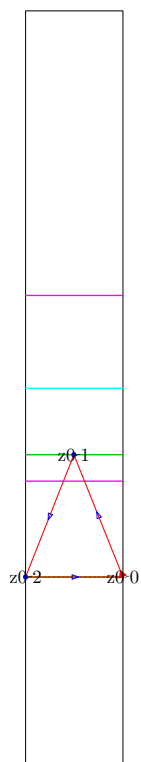
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(298)( $p_0$ ) $\text{candidate\_list}(y)(-150, 148)$ ;
  fix_vstem(299)( $p_0$ ) $\text{candidate\_list}(x)(0, 299)$ ;
  standard_exact_hsbw("c9_6");
endglyph;

```

Construction of the character $\mathbf{c}_{100}$:

| Konstrukcja znaku $\mathbf{c}_{100}$:



```

beginglyph(c 1_0_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (129, 0)$ ;  $z_{0\ 0a} = (107, 54)$ ;  $z_{0\ 1b} = (86, 108)$ ;
   $z_{0\ 1} = (64, 162)$ ;  $z_{0\ 1a} = (43, 108)$ ;  $z_{0\ 2b} = (21, 54)$ ;
   $z_{0\ 2} = (0, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(2)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

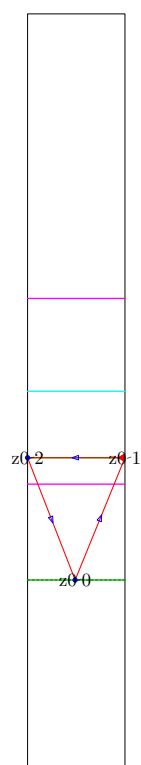
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $bot$ ;
  standard\_exact\_hsbw("c1_0_0");
endglyph;

```

Construction of the character c_{101} :

| Konstrukcja znaku c_{101} :



```

beginglyph(c 1_0_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (63, 0)$ ;
   $z_{0\ 1} = (129, 162)$ ;
   $z_{0\ 2} = (0, 162)$ ;
   $p_0 = \text{compose\_path}_{z_0}(2)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

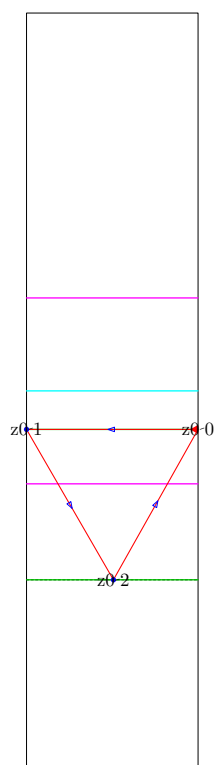
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $bot$ ;
  standard\_exact\_hsbw("c1_0_1");
endglyph;

```

Construction of the character c_{102} :

| Konstrukcja znaku c_{102} :



```

beginglyph(c 1_0_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (227, 199)$ ;
   $z_{0\ 1} = (0, 199)$ ;
   $z_{0\ 2} = (115, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(2)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

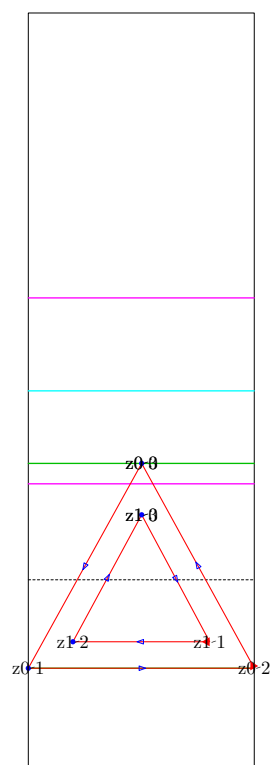
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $bot$ ;
  standard\_exact\_hsbw("c1_0_2");
endglyph;

```

Construction of the character c_{103} :

| Konstrukcja znaku c_{103} :



```

beginglyph(c 1_0_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (150, 154)$ ;
   $z_{0\ 1} = (0, -117)$ ;
   $z_{0\ 2} = (299, -117)$ ;  $z_{0\ 2a} = (249, -27)$ ;  $z_{0\ 3b} = (200, 64)$ ;
   $z_{0\ 3} = (150, 154)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (150, 86)$ ;
   $z_{1\ 1} = (240, -82)$ ;
   $z_{1\ 2} = (59, -82)$ ;  $z_{1\ 2a} = (89, -26)$ ;  $z_{1\ 3b} = (120, 30)$ ;
   $z_{1\ 3} = (150, 86)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

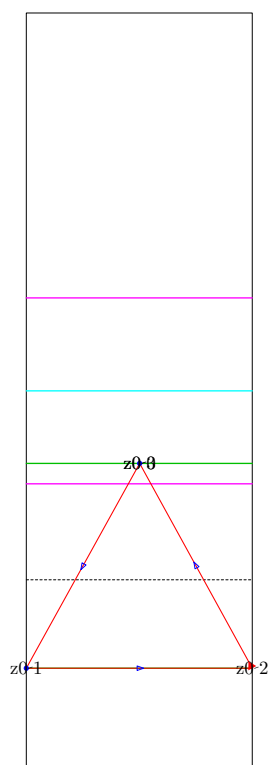
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(35)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-117, -82)$ ;
  ghost_stem  $\text{top}$ ;
  standard_exact_hsbw("c1_0_3");
endglyph;

```

Construction of the character c104:

| Konstrukcja znaku c104:



```

beginglyph(c 1_0_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (150, 154)$ ;
   $z_{0\ 1} = (0, -117)$ ;
   $z_{0\ 2} = (299, -117)$ ;  $z_{0\ 2a} = (249, -27)$ ;  $z_{0\ 3b} = (200, 64)$ ;
   $z_{0\ 3} = (150, 154)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

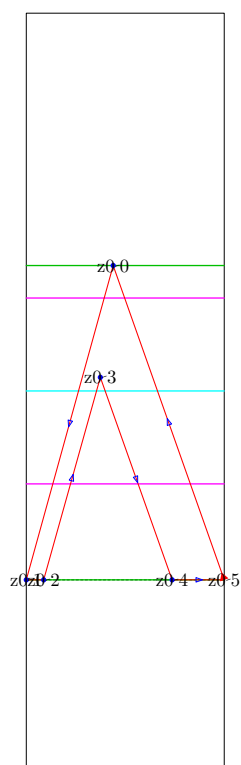
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top$ ;
  standard\_exact\_hsbw("c1_0_4");
endglyph;

```

Construction of the character c105:

| Konstrukcja znaku c105:



```

beginglyph(c 1_0_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (115, 416)$ ;  $z_{0\ 0a} = (77, 277)$ ;  $z_{0\ 1b} = (38, 139)$ ;
   $z_{0\ 1} = (0, 0)$ ;
   $z_{0\ 2} = (23, 0)$ ;
   $z_{0\ 3} = (98, 268)$ ;  $z_{0\ 3a} = (130, 179)$ ;  $z_{0\ 4b} = (161, 89)$ ;
   $z_{0\ 4} = (193, 0)$ ;
   $z_{0\ 5} = (262, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

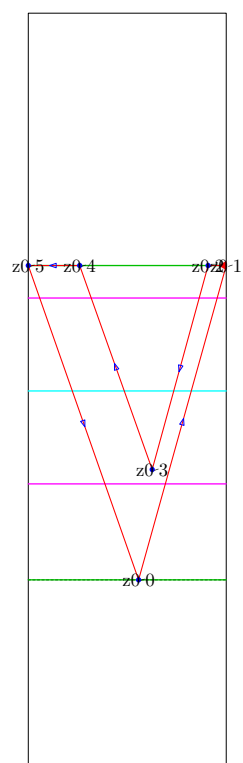
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top$ ,  $bot$ ;
  standard\_exact\_hsbw("c1_0_5");
endglyph;

```

Construction of the character c106:

| Konstrukcja znaku c106:



```

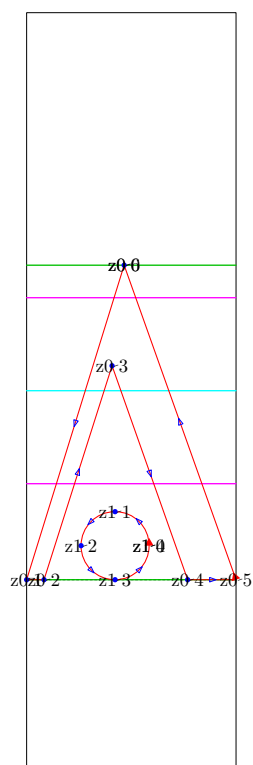
beginglyph(c 1_0_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (146, 0)$ ;
   $z_{0\ 1} = (262, 416)$ ;
   $z_{0\ 2} = (238, 416)$ ;  $z_{0\ 2a} = (213, 326)$ ;  $z_{0\ 3b} = (189, 236)$ ;
   $z_{0\ 3} = (164, 146)$ ;
   $z_{0\ 4} = (68, 416)$ ;
   $z_{0\ 5} = (0, 416)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c1_0_6");
endglyph;

```

Construction of the character c_{107} :| Konstrukcja znaku c_{107} :

```

beginglyph(c 1_0_7);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (129, 416)$ ;
   $z_{0\ 1} = (0, 0)$ ;
   $z_{0\ 2} = (23, 0)$ ;
   $z_{0\ 3} = (113, 283)$ ;  $z_{0\ 3a} = (146, 189)$ ;  $z_{0\ 4b} = (180, 94)$ ;
   $z_{0\ 4} = (213, 0)$ ;
   $z_{0\ 5} = (277, 0)$ ;  $z_{0\ 5a} = (228, 139)$ ;  $z_{0\ 6b} = (178, 277)$ ;
   $z_{0\ 6} = (129, 416)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

   $z_{1\ 0} = (162, 45)$ ;  $z_{1\ 0a} = (162, 70)$ ;  $z_{1\ 1b} = (142, 90)$ ;
   $z_{1\ 1} = (117, 90)$ ;  $z_{1\ 1a} = (92, 90)$ ;  $z_{1\ 2b} = (72, 70)$ ;
   $z_{1\ 2} = (72, 45)$ ;  $z_{1\ 2a} = (72, 20)$ ;  $z_{1\ 3b} = (92, 0)$ ;
   $z_{1\ 3} = (117, 0)$ ;  $z_{1\ 3a} = (142, 0)$ ;  $z_{1\ 4b} = (162, 20)$ ;
   $z_{1\ 4} = (162, 45)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

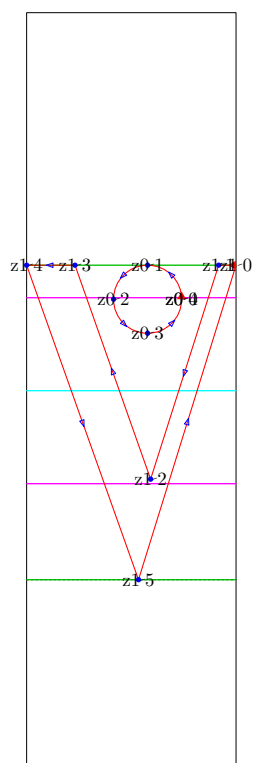
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(90)( $p_0, p_1$ ) $\text{candidate\_list}(y)(0, 90)$ ;
  fix_vstem(90)( $p_0, p_1$ ) $\text{candidate\_list}(x)(72, 162)$ ;
  ghost_stem  $\text{top}$ ;
  standard_exact_hsbw("c1_0_7");
endglyph;

```

Construction of the character c108:

| Konstrukcja znaku c108:



```

beginglyph(c 1_0_8);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (205, 371)$ ;  $z_{0\ 0a} = (205, 396)$ ;  $z_{0\ 1b} = (185, 416)$ ;
   $z_{0\ 1} = (160, 416)$ ;  $z_{0\ 1a} = (135, 416)$ ;  $z_{0\ 2b} = (115, 396)$ ;
   $z_{0\ 2} = (115, 371)$ ;  $z_{0\ 2a} = (115, 346)$ ;  $z_{0\ 3b} = (135, 326)$ ;
   $z_{0\ 3} = (160, 326)$ ;  $z_{0\ 3a} = (185, 326)$ ;  $z_{0\ 4b} = (205, 346)$ ;
   $z_{0\ 4} = (205, 371)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

   $z_{1\ 0} = (277, 416)$ ;
   $z_{1\ 1} = (254, 416)$ ;
   $z_{1\ 2} = (164, 133)$ ;  $z_{1\ 2a} = (131, 227)$ ;  $z_{1\ 3b} = (97, 322)$ ;
   $z_{1\ 3} = (64, 416)$ ;
   $z_{1\ 4} = (0, 416)$ ;  $z_{1\ 4a} = (49, 277)$ ;  $z_{1\ 5b} = (99, 139)$ ;
   $z_{1\ 5} = (148, 0)$ ;
   $p_1 = \text{compose\_path}_{z_1}(5)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

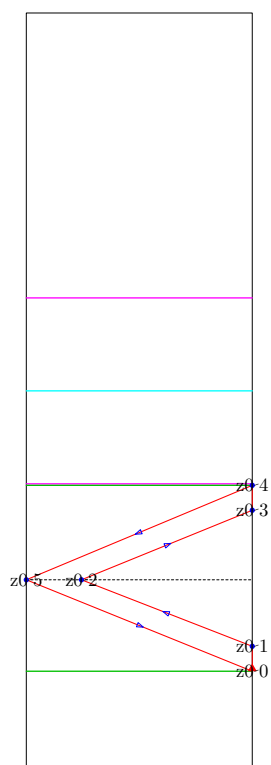
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(90)( $p_0, p_1$ ) $\text{candidate\_list}(y)(326, 416)$ ;
  fix_vstem(90)( $p_0, p_1$ ) $\text{candidate\_list}(x)(115, 205)$ ;
  ghost_stem  $bot$ ;
  standard_exact_hsbw("c1_0_8");
endglyph;

```

Construction of the character c_{109} :

| Konstrukcja znaku c_{109} :



```

beginglyph(c 1_0_9);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (299, -121)$ ;
   $z_0\ 1 = (299, -88)$ ;
   $z_0\ 2 = (73, 0)$ ;
   $z_0\ 3 = (299, 92)$ ;
   $z_0\ 4 = (299, 125)$ ;
   $z_0\ 5 = (0, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

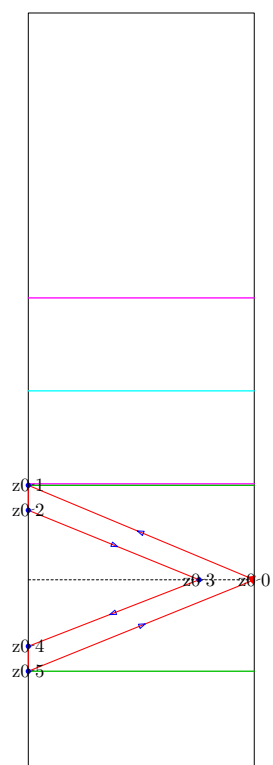
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top$ ;
  standard\_exact\_hsbw("c1_0_9");
endglyph;

```

Construction of the character c110:

| Konstrukcja znaku c110:



```

beginglyph(c 1_1_0);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (299, 0)$ ;
   $z_0\ 1 = (0, 125)$ ;
   $z_0\ 2 = (0, 92)$ ;
   $z_0\ 3 = (226, 0)$ ;
   $z_0\ 4 = (0, -88)$ ;
   $z_0\ 5 = (0, -121)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

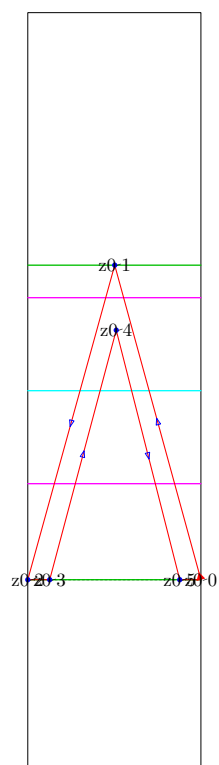
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost_stem  $top$ ;
  standard_exact_hsbw("c1_1_0");
endglyph;

```

Construction of the character c_{111} :

| Konstrukcja znaku c_{111} :



```

beginglyph(c 1_1_1);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (229, 0)$ ;
   $z_0\ 1 = (115, 416)$ ;
   $z_0\ 2 = (0, 0)$ ;
   $z_0\ 3 = (29, 0)$ ;
   $z_0\ 4 = (117, 330)$ ;
   $z_0\ 5 = (201, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

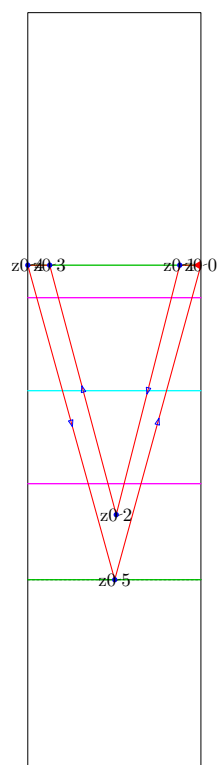
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c1_1_1");
endglyph;

```

Construction of the character c_{112} :

| Konstrukcja znaku c_{112} :



```

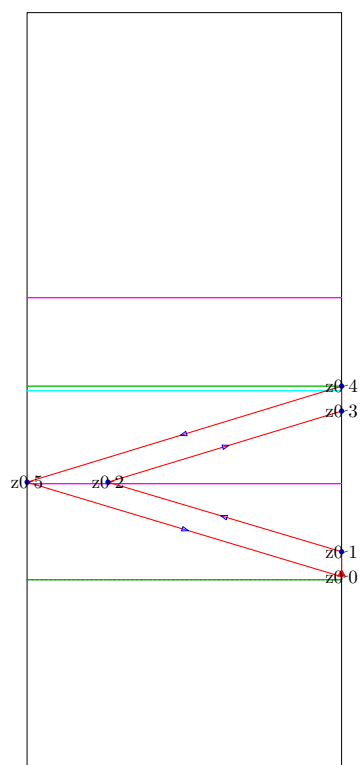
beginglyph(c 1_1_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (229, 416)$ ;
   $z_{0\ 1} = (201, 416)$ ;
   $z_{0\ 2} = (117, 86)$ ;
   $z_{0\ 3} = (29, 416)$ ;
   $z_{0\ 4} = (0, 416)$ ;
   $z_{0\ 5} = (115, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top, bot$ ;
  standard\_exact\_hsbw("c1_1_2");
endglyph;

```

Construction of the character c_{113} :| Konstrukcja znaku c_{113} :

```

beginglyph(c 1_1_3);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (416, 4)$ ;
   $z_0\ 1 = (416, 37)$ ;
   $z_0\ 2 = (107, 129)$ ;
   $z_0\ 3 = (416, 223)$ ;
   $z_0\ 4 = (416, 256)$ ;
   $z_0\ 5 = (0, 129)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

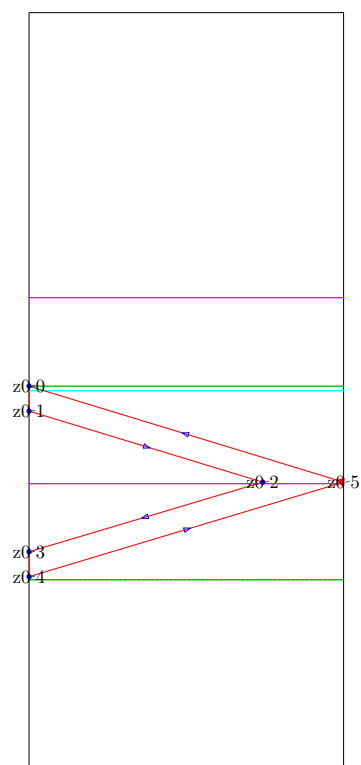
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  standard\_exact\_hsbw("c1_1_3");
endglyph;

```

Construction of the character c_{114} :

| Konstrukcja znaku c_{114} :



```

beginglyph(c 1_1_4);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (0, 256)$ ;
   $z_0\ 1 = (0, 223)$ ;
   $z_0\ 2 = (309, 129)$ ;
   $z_0\ 3 = (0, 37)$ ;
   $z_0\ 4 = (0, 4)$ ;
   $z_0\ 5 = (416, 129)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

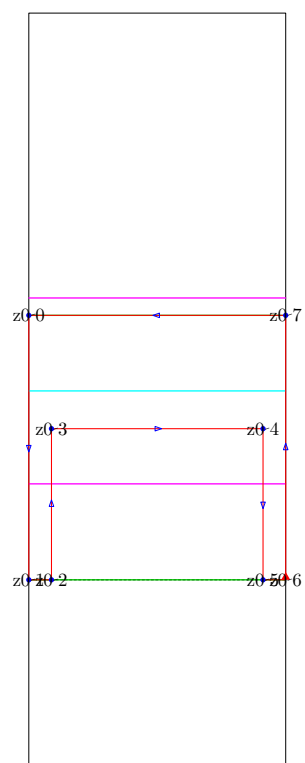
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  standard\_exact\_hsbw("c1_1_4");
endglyph;

```

Construction of the character c115:

| Konstrukcja znaku c115:



```

beginglyph(c 1_1_5);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (0, 350)$ ;
   $z_0\ 1 = (0, 0)$ ;
   $z_0\ 2 = (30, 0)$ ;
   $z_0\ 3 = (30, 200)$ ;
   $z_0\ 4 = (310, 200)$ ;
   $z_0\ 5 = (310, 0)$ ;
   $z_0\ 6 = (340, 0)$ ;
   $z_0\ 7 = (340, 350)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

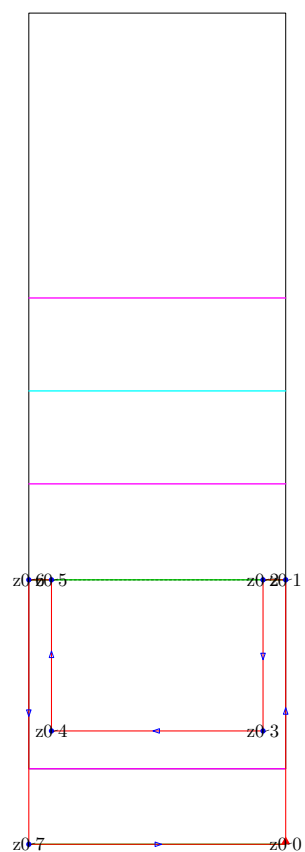
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(150)( $p_0$ ) $\text{candidate\_list}(y)(200, 350)$ ;
  fix_vstem(30)( $p_0$ ) $\text{candidate\_list}(x)(0, 30, 310, 340)$ ;
  ghost_stem  $bot$ ;
  standard_exact_hsbw("c1_1_5");
endglyph;

```

Construction of the character c116:

| Konstrukcja znaku c116:



```

beginglyph(c 1_1_6);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (340, -350)$ ;
   $z_0\ 1 = (340, 0)$ ;
   $z_0\ 2 = (310, 0)$ ;
   $z_0\ 3 = (310, -200)$ ;
   $z_0\ 4 = (30, -200)$ ;
   $z_0\ 5 = (30, 0)$ ;
   $z_0\ 6 = (0, 0)$ ;
   $z_0\ 7 = (0, -350)$ ;
   $p_0 = \text{compose\_path}_{z_0}(7)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

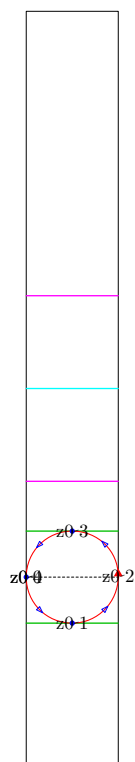
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(150)( $p_0$ ) $\text{candidate\_list}(y)(-350, -200)$ ;
  fix_vstem(30)( $p_0$ ) $\text{candidate\_list}(x)(0, 30, 310, 340)$ ;
  standard_exact_hsbw("c1_1_6");
endglyph;

```

Construction of the character c_{117} :

| Konstrukcja znaku c_{117} :



```

beginglyph(c 1_1_7);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 0)$ ;  $z_{0\ 0a} = (0, -34)$ ;  $z_{0\ 1b} = (27, -61)$ ;
   $z_{0\ 1} = (61, -61)$ ;  $z_{0\ 1a} = (95, -61)$ ;  $z_{0\ 2b} = (122, -33)$ ;
   $z_{0\ 2} = (122, 1)$ ;  $z_{0\ 2a} = (122, 35)$ ;  $z_{0\ 3b} = (95, 61)$ ;
   $z_{0\ 3} = (61, 61)$ ;  $z_{0\ 3a} = (27, 61)$ ;  $z_{0\ 4b} = (0, 34)$ ;
   $z_{0\ 4} = (0, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

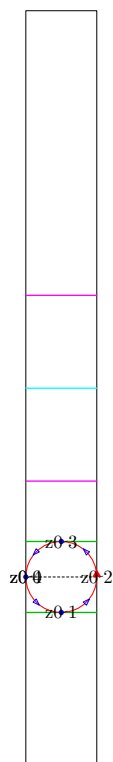
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(122)( $p_0$ ) $\text{candidate\_list}(y)(-61, 61)$ ;
  fix_vstem(122)( $p_0$ ) $\text{candidate\_list}(x)(0, 122)$ ;
  standard_exact_hsbw("c1_1_7");
endglyph;

```

Construction of the character c_{118} :

| Konstrukcja znaku c_{118} :



```

beginglyph(c 1_1_8);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 0)$ ;  $z_{0\ 0a} = (0, -26)$ ;  $z_{0\ 1b} = (21, -47)$ ;
   $z_{0\ 1} = (47, -47)$ ;  $z_{0\ 1a} = (73, -47)$ ;  $z_{0\ 2b} = (94, -26)$ ;
   $z_{0\ 2} = (94, 0)$ ;  $z_{0\ 2a} = (94, 26)$ ;  $z_{0\ 3b} = (73, 47)$ ;
   $z_{0\ 3} = (47, 47)$ ;  $z_{0\ 3a} = (21, 47)$ ;  $z_{0\ 4b} = (0, 26)$ ;
   $z_{0\ 4} = (0, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;
   $\text{correct\_path\_directions}(p_0)(p)$ ;

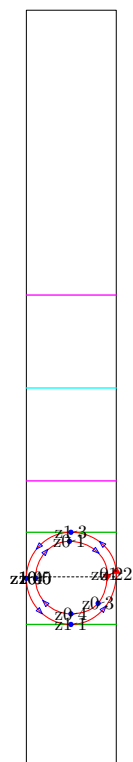
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(94)( $p_0$ )candidate_list( $y$ )(-47, 47);
  fix_vstem(94)( $p_0$ )candidate_list( $x$ )(0, 94);
  standard_exact_hsbw("c1_1_8");
endglyph;

```

Construction of the character c_{119} :

| Konstrukcja znaku c_{119} :



```

beginglyph(c 1_1_9);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (12, -2)$ ;  $z_{0\ 0a} = (12, 24)$ ;  $z_{0\ 1b} = (31, 47)$ ;
   $z_{0\ 1} = (57, 47)$ ;  $z_{0\ 1a} = (83, 47)$ ;  $z_{0\ 2b} = (107, 29)$ ;
   $z_{0\ 2} = (107, 4)$ ;  $z_{0\ 2a} = (107, -10)$ ;  $z_{0\ 3b} = (104, -24)$ ;
   $z_{0\ 3} = (95, -35)$ ;  $z_{0\ 3a} = (86, -45)$ ;  $z_{0\ 4b} = (73, -49)$ ;
   $z_{0\ 4} = (59, -49)$ ;  $z_{0\ 4a} = (33, -49)$ ;  $z_{0\ 5b} = (12, -28)$ ;
   $z_{0\ 5} = (12, -2)$ ;
   $p_0 = \text{compose-path}_{z_0}(5)$ ;

   $z_{1\ 0} = (0, -2)$ ;  $z_{1\ 0a} = (0, -35)$ ;  $z_{1\ 1b} = (26, -63)$ ;
   $z_{1\ 1} = (59, -63)$ ;  $z_{1\ 1a} = (93, -63)$ ;  $z_{1\ 2b} = (119, -32)$ ;
   $z_{1\ 2} = (119, 4)$ ;  $z_{1\ 2a} = (119, 35)$ ;  $z_{1\ 3b} = (91, 59)$ ;
   $z_{1\ 3} = (59, 59)$ ;  $z_{1\ 3a} = (26, 59)$ ;  $z_{1\ 4b} = (0, 31)$ ;
   $z_{1\ 4} = (0, -2)$ ;
   $p_1 = \text{compose-path}_{z_1}(4)$ ;

   $\text{correct-path-directions}(p_0, p_1)(p)$ ;

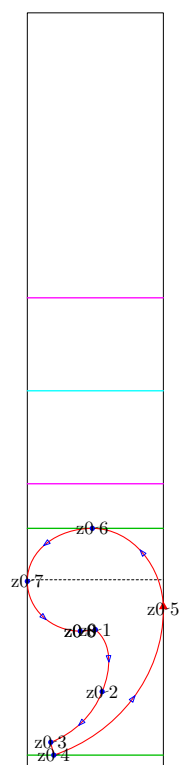
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(12)( $p_0, p_1$ ) $\text{candidate\_list}(y)(47, 59)$ ;
  fix_hstem(14)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-63, -49)$ ;
  fix_vstem(12)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 12, 107, 119)$ ;
  standard_exact_hsbw("c1_1_9");
endglyph;

```

Construction of the character c_{120} :

| Konstrukcja znaku c_{120} :



```

beginglyph(c 1_2_0);
  save  $p$ ; path  $p[]$ ;

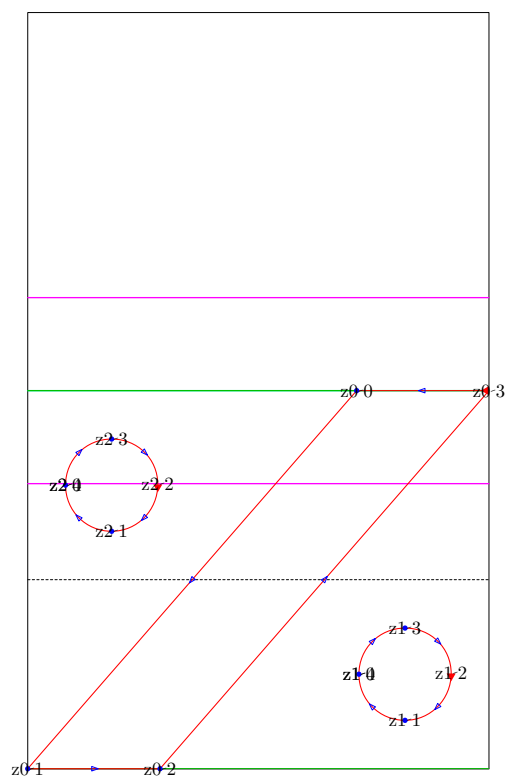
   $z_{0\ 0} = (70, -68)$ ;  $z_{0\ 0a} = (76, -68)$ ;  $z_{0\ 1b} = (83, -67)$ ;
   $z_{0\ 1} = (90, -66)$ ;  $z_{0\ 1a} = (113, -85)$ ;  $z_{0\ 2b} = (111, -119)$ ;
   $z_{0\ 2} = (99, -148)$ ;  $z_{0\ 2a} = (87, -179)$ ;  $z_{0\ 3b} = (62, -203)$ ;
   $z_{0\ 3} = (31, -215)$ ;  $z_{0\ 3a} = (32, -221)$ ;  $z_{0\ 4b} = (34, -226)$ ;
   $z_{0\ 4} = (35, -232)$ ;  $z_{0\ 4a} = (119, -204)$ ;  $z_{0\ 5b} = (180, -127)$ ;
   $z_{0\ 5} = (180, -39)$ ;  $z_{0\ 5a} = (180, 16)$ ;  $z_{0\ 6b} = (139, 68)$ ;
   $z_{0\ 6} = (86, 68)$ ;  $z_{0\ 6a} = (41, 68)$ ;  $z_{0\ 7b} = (0, 40)$ ;
   $z_{0\ 7} = (0, -2)$ ;  $z_{0\ 7a} = (0, -39)$ ;  $z_{0\ 8b} = (32, -68)$ ;
   $z_{0\ 8} = (70, -68)$ ;
   $p_0 = \text{compose\_path}_{z_0}(8)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(136)( $p_0$ ) $\text{candidate\_list}(y)(-68, 68)$ ;
  fix_vstem(180)( $p_0$ ) $\text{candidate\_list}(x)(0, 180)$ ;
  standard\_exact\_hsbw("c1_2_0");
endglyph;

```

Construction of the character c_{121} :| Konstrukcja znaku c_{121} :

```

beginglyph(c 1_2_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (435, 250)$ ;
   $z_{0\ 1} = (0, -250)$ ;
   $z_{0\ 2} = (175, -250)$ ;
   $z_{0\ 3} = (610, 250)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (438, -125)$ ;  $z_{1\ 0a} = (438, -159)$ ;  $z_{1\ 1b} = (465, -186)$ ;
   $z_{1\ 1} = (499, -186)$ ;  $z_{1\ 1a} = (533, -186)$ ;  $z_{1\ 2b} = (560, -158)$ ;
   $z_{1\ 2} = (560, -124)$ ;  $z_{1\ 2a} = (560, -90)$ ;  $z_{1\ 3b} = (533, -64)$ ;
   $z_{1\ 3} = (499, -64)$ ;  $z_{1\ 3a} = (465, -64)$ ;  $z_{1\ 4b} = (438, -91)$ ;
   $z_{1\ 4} = (438, -125)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

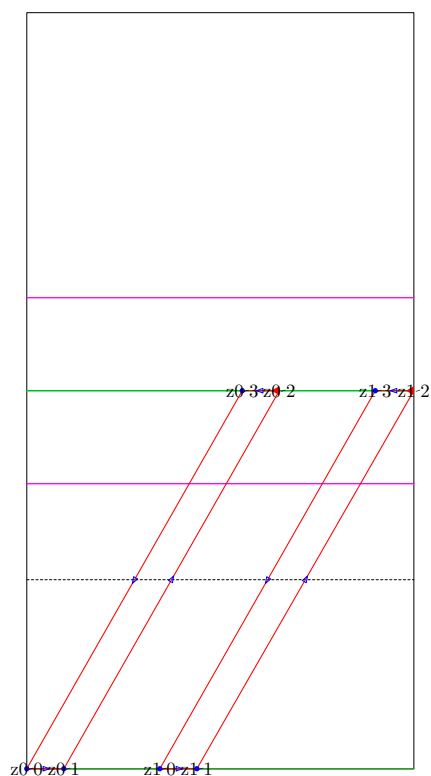
   $z_{2\ 0} = (50, 125)$ ;  $z_{2\ 0a} = (50, 91)$ ;  $z_{2\ 1b} = (77, 64)$ ;
   $z_{2\ 1} = (111, 64)$ ;  $z_{2\ 1a} = (145, 64)$ ;  $z_{2\ 2b} = (172, 92)$ ;
   $z_{2\ 2} = (172, 126)$ ;  $z_{2\ 2a} = (172, 160)$ ;  $z_{2\ 3b} = (145, 186)$ ;
   $z_{2\ 3} = (111, 186)$ ;  $z_{2\ 3a} = (77, 186)$ ;  $z_{2\ 4b} = (50, 159)$ ;
   $z_{2\ 4} = (50, 125)$ ;
   $p_2 = \text{compose\_path}_{z_2}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1, p_2)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;
  if turningnumber  $p_2 > 0$ : Fill else: unFill fi  $p_2$ ;

  fix_hstem(122)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(y)(-186, -64, 64, 186)$ ;
  fix_vstem(122)( $p_0, p_1, p_2$ ) $\text{candidate\_list}(x)(50, 172, 438, 560)$ ;
  standard_exact_hsbw("c1_2_1");
endglyph;

```

Construction of the character c_{122} :| Konstrukcja znaku c_{122} :

```

beginglyph(c 1_2_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -250)$ ;
   $z_{0\ 1} = (49, -250)$ ;
   $z_{0\ 2} = (334, 250)$ ;
   $z_{0\ 3} = (285, 250)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (176, -250)$ ;
   $z_{1\ 1} = (225, -250)$ ;
   $z_{1\ 2} = (512, 250)$ ;
   $z_{1\ 3} = (461, 250)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

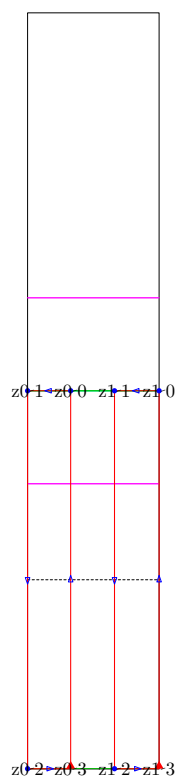
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  standard\_exact\_hsbw("c1_2_2");
endglyph;

```

Construction of the character c_{123} :

| Konstrukcja znaku c_{123} :



```

beginglyph(c 1_2_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (57, 250)$ ;
   $z_{0\ 1} = (0, 250)$ ;
   $z_{0\ 2} = (0, -250)$ ;
   $z_{0\ 3} = (57, -250)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (174, 250)$ ;
   $z_{1\ 1} = (115, 250)$ ;
   $z_{1\ 2} = (115, -250)$ ;
   $z_{1\ 3} = (174, -250)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

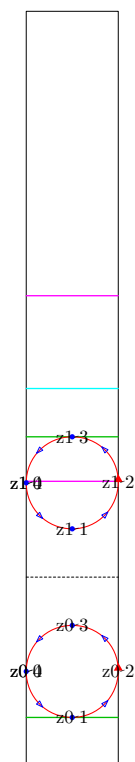
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_vstem(57)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 57)$ ;
  fix_vstem(59)( $p_0, p_1$ ) $\text{candidate\_list}(x)(115, 174)$ ;
  standard_exact_hsbw("c1_2_3");
endglyph;

```

Construction of the character c_{124} :

| Konstrukcja znaku c_{124} :



```

beginglyph(c 1_2_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -125)$ ;  $z_{0\ 0a} = (0, -159)$ ;  $z_{0\ 1b} = (27, -186)$ ;
   $z_{0\ 1} = (61, -186)$ ;  $z_{0\ 1a} = (95, -186)$ ;  $z_{0\ 2b} = (122, -158)$ ;
   $z_{0\ 2} = (122, -124)$ ;  $z_{0\ 2a} = (122, -90)$ ;  $z_{0\ 3b} = (95, -64)$ ;
   $z_{0\ 3} = (61, -64)$ ;  $z_{0\ 3a} = (27, -64)$ ;  $z_{0\ 4b} = (0, -91)$ ;
   $z_{0\ 4} = (0, -125)$ ;
   $p_0 = \text{compose\_path}_{z_0}(4)$ ;

   $z_{1\ 0} = (0, 125)$ ;  $z_{1\ 0a} = (0, 91)$ ;  $z_{1\ 1b} = (27, 64)$ ;
   $z_{1\ 1} = (61, 64)$ ;  $z_{1\ 1a} = (95, 64)$ ;  $z_{1\ 2b} = (122, 92)$ ;
   $z_{1\ 2} = (122, 126)$ ;  $z_{1\ 2a} = (122, 160)$ ;  $z_{1\ 3b} = (95, 186)$ ;
   $z_{1\ 3} = (61, 186)$ ;  $z_{1\ 3a} = (27, 186)$ ;  $z_{1\ 4b} = (0, 159)$ ;
   $z_{1\ 4} = (0, 125)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

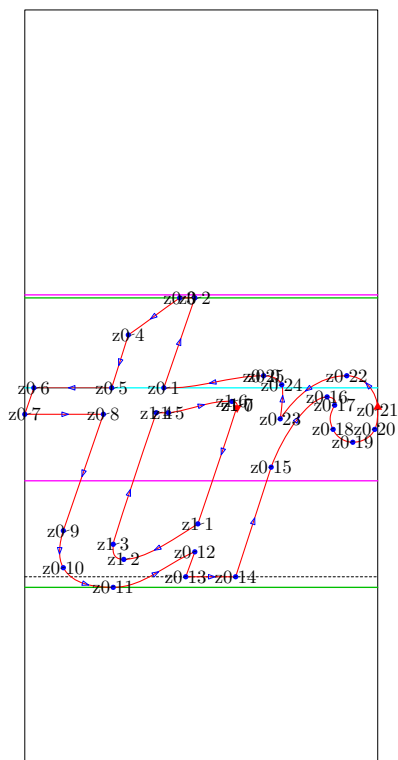
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(122)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-186, -64, 64, 186)$ ;
  fix_vstem(122)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 122)$ ;
  standard_exact_hsbw("c1_2_4");
endglyph;

```

Construction of the character c130:

| Konstrukcja znaku c130:



```

beginlyph(c 1_3_0);
  save p; path p[];

  z0 0 = (316, 266); z0 0a = (271, 266); z0 1b = (229, 248);
  z0 1 = (184, 250); z0 1a = (198, 290); z0 2b = (211, 329);
  z0 2 = (225, 369);
  z0 3 = (205, 369); z0 3a = (182, 353); z0 4b = (160, 336);
  z0 4 = (137, 320); z0 4a = (130, 297); z0 5b = (122, 273);
  z0 5 = (115, 250);
  z0 6 = (12, 250); z0 6a = (8, 238); z0 7b = (4, 227);
  z0 7 = (0, 215);
  z0 8 = (104, 215); z0 8a = (86, 164); z0 9b = (69, 112);
  z0 9 = (51, 61); z0 9a = (46, 46); z0 10b = (43, 25);
  z0 10 = (51, 12); z0 10a = (63, -10); z0 11b = (92, -14);
  z0 11 = (117, -14); z0 11a = (157, -14); z0 12b = (188, 18);
  z0 12 = (225, 33);
  z0 13 = (213, 0);
  z0 14 = (279, 0); z0 14a = (295, 48); z0 15b = (310, 97);
  z0 15 = (326, 145); z0 15a = (341, 187); z0 16b = (376, 238);
  z0 16 = (400, 238); z0 16a = (405, 238); z0 17b = (414, 235);
  z0 17 = (410, 227); z0 17a = (403, 214); z0 18b = (402, 207);
  z0 18 = (408, 195); z0 18a = (412, 185); z0 19b = (423, 178);
  z0 19 = (434, 178); z0 19a = (446, 178); z0 20b = (458, 184);
  z0 20 = (463, 195); z0 20a = (467, 203); z0 21b = (467, 212);
  z0 21 = (467, 221); z0 21a = (467, 245); z0 22b = (449, 266);
  z0 22 = (426, 266); z0 22a = (389, 266); z0 23b = (359, 240);
  z0 23 = (338, 209); z0 23a = (340, 224); z0 24b = (343, 246);
  z0 24 = (340, 254); z0 24a = (336, 263); z0 25b = (326, 266);
  z0 25 = (316, 266);
  p0 = compose_path_z0(25);

  z1 0 = (281, 227); z1 0a = (281, 223); z1 1b = (247, 123);
  z1 1 = (229, 70); z1 1a = (193, 47); z1 2b = (158, 23);
  z1 2 = (131, 23); z1 2a = (114, 23); z1 3b = (117, 37);
  z1 3 = (117, 43); z1 3a = (117, 48); z1 4b = (154, 159);
  z1 4 = (174, 217);
  z1 5 = (190, 217); z1 5a = (219, 220); z1 6b = (246, 234);
  z1 6 = (274, 232); z1 6a = (278, 232); z1 7b = (281, 230);
  z1 7 = (281, 227);
  p1 = compose_path_z1(7);

  correct_path_directions(p0, p1)(p);

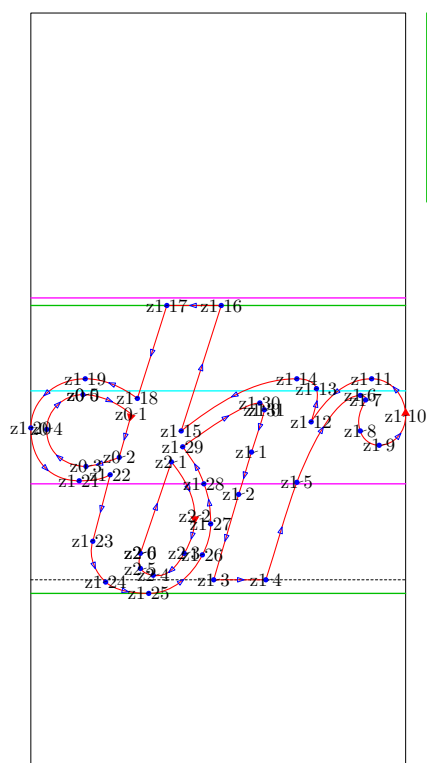
  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;

  fix_hstem(37)(p0, p1)candidate_list(y)(-14, 23);
  fix_hstem(34)(p0, p1)candidate_list(y)(232, 266);
  ghost_stem top;
  standard_exact_hsbw("c1_3_0");
endglyph;

```

Construction of the character c131:

| Konstrukcja znaku c131:



```

beginlyph(c 1_3_1);
save p; path p[];

z0 0 = (69, 245); z0 0a = (92, 245); z0 1b = (115, 234);
z0 1 = (133, 219); z0 1a = (128, 200); z0 2b = (122, 181);
z0 2 = (117, 162); z0 2a = (102, 156); z0 3b = (80, 150);
z0 3 = (73, 150); z0 3a = (50, 150); z0 4b = (21, 164);
z0 4 = (21, 199); z0 4a = (21, 224); z0 5b = (43, 245);
z0 5 = (69, 245);
p0 = compose_path_z0(5);

z1 0 = (309, 225); z1 0a = (309, 220); z1 1b = (299, 191);
z1 1 = (292, 169); z1 1a = (285, 147); z1 2b = (281, 131);
z1 2 = (275, 113); z1 2a = (264, 75); z1 3b = (253, 38);
z1 3 = (242, 0);
z1 4 = (311, 0); z1 4a = (325, 43); z1 5b = (336, 86);
z1 5 = (352, 129); z1 5a = (363, 158); z1 6b = (399, 244);
z1 6 = (436, 244); z1 6a = (439, 244); z1 7b = (445, 242);
z1 7 = (443, 238); z1 7a = (435, 223); z1 8b = (431, 211);
z1 8 = (436, 197); z1 8a = (439, 186); z1 9b = (449, 178);
z1 9 = (461, 178); z1 9a = (481, 178); z1 10b = (496, 196);
z1 10 = (496, 217); z1 10a = (496, 243); z1 11b = (477, 266);
z1 11 = (451, 266); z1 11a = (416, 266); z1 12b = (390, 239);
z1 12 = (371, 209); z1 12a = (375, 224); z1 13b = (382, 239);
z1 13 = (378, 253); z1 13a = (375, 263); z1 14b = (363, 266);
z1 14 = (352, 266); z1 14a = (294, 266); z1 15b = (244, 232);
z1 15 = (199, 197); z1 15a = (217, 252); z1 16b = (234, 308);
z1 16 = (252, 363);
z1 17 = (180, 363);
z1 18 = (141, 240); z1 18a = (121, 255); z1 19b = (97, 266);
z1 19 = (72, 266); z1 19a = (33, 266); z1 20b = (0, 238);
z1 20 = (0, 201); z1 20a = (0, 154); z1 21b = (29, 131);
z1 21 = (64, 131); z1 21a = (78, 131); z1 22b = (93, 132);
z1 22 = (105, 139); z1 22a = (97, 109); z1 23b = (91, 85);
z1 23 = (82, 51); z1 23a = (75, 29); z1 24b = (87, 8);
z1 24 = (99, -3); z1 24a = (111, -14); z1 25b = (134, -18);
z1 25 = (156, -18); z1 25a = (187, -18); z1 26b = (213, 5);
z1 26 = (227, 33); z1 26a = (234, 46); z1 27b = (238, 60);
z1 27 = (238, 74); z1 27a = (238, 92); z1 28b = (236, 110);
z1 28 = (229, 127); z1 28a = (223, 144); z1 29b = (219, 151);
z1 29 = (201, 176); z1 29a = (235, 200); z1 30b = (282, 234);
z1 30 = (303, 234); z1 30a = (307, 234); z1 31b = (309, 230);
z1 31 = (309, 225);
p1 = compose_path_z1(31);

z2 0 = (145, 35);
z2 1 = (186, 156); z2 1a = (203, 135); z2 2b = (217, 111);
z2 2 = (217, 84); z2 2a = (217, 67); z2 3b = (213, 52);
z2 3 = (203, 35); z2 3a = (194, 20); z2 4b = (182, 2);
z2 4 = (162, 6); z2 4a = (155, 7); z2 5b = (149, 9);
z2 5 = (145, 15); z2 5a = (141, 22); z2 6b = (145, 35);
z2 6 = (145, 35);
p2 = compose_path_z2(6);

correct_path_directions(p0, p1, p2)(p);

if turningnumber p0 > 0: Fill else: unFill fi p0;
if turningnumber p1 > 0: Fill else: unFill fi p1;
if turningnumber p2 > 0: Fill else: unFill fi p2;

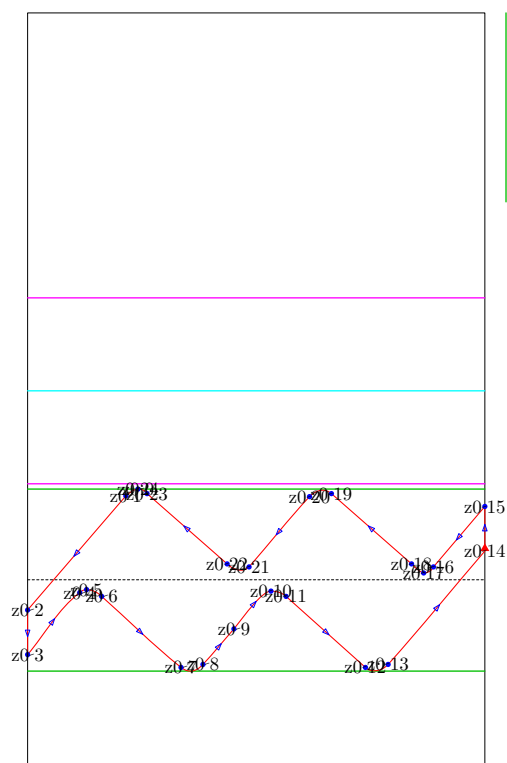
fix_hstem(19)(p0, p1, p2)candidate_list(y)(131, 150);

```

```
fix_hstem(32)(p0, p1, p2)candidate_list(y)(234, 266);  
fix_vstem(21)(p0, p1, p2)candidate_list(x)(0, 21, 217, 238);  
ghost_stem top;  
standard_exact_hsbw("c1_3_1");  
endglyph;
```


Construction of the character c132:

| Konstrukcja znaku c132:



```

beginglyph(c 1_3_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (146, 120)$ ;  $z_{0\ 0a} = (140, 120)$ ;  $z_{0\ 1b} = (135, 115)$ ;
   $z_{0\ 1} = (130, 111)$ ;  $z_{0\ 1a} = (126, 106)$ ;  $z_{0\ 2b} = (43, 10)$ ;
   $z_{0\ 2} = (0, -40)$ ;
   $z_{0\ 3} = (0, -99)$ ;  $z_{0\ 3a} = (23, -72)$ ;  $z_{0\ 4b} = (40, -39)$ ;
   $z_{0\ 4} = (69, -17)$ ;  $z_{0\ 4a} = (71, -15)$ ;  $z_{0\ 5b} = (74, -13)$ ;
   $z_{0\ 5} = (78, -13)$ ;  $z_{0\ 5a} = (86, -13)$ ;  $z_{0\ 6b} = (93, -17)$ ;
   $z_{0\ 6} = (98, -22)$ ;  $z_{0\ 6a} = (133, -53)$ ;  $z_{0\ 7b} = (162, -83)$ ;
   $z_{0\ 7} = (203, -116)$ ;  $z_{0\ 7a} = (212, -123)$ ;  $z_{0\ 8b} = (222, -123)$ ;
   $z_{0\ 8} = (232, -112)$ ;  $z_{0\ 8a} = (246, -97)$ ;  $z_{0\ 9b} = (259, -81)$ ;
   $z_{0\ 9} = (273, -65)$ ;  $z_{0\ 9a} = (288, -46)$ ;  $z_{0\ 10b} = (310, -15)$ ;
   $z_{0\ 10} = (322, -15)$ ;  $z_{0\ 10a} = (329, -15)$ ;  $z_{0\ 11b} = (337, -17)$ ;
   $z_{0\ 11} = (342, -22)$ ;  $z_{0\ 11a} = (377, -53)$ ;  $z_{0\ 12b} = (412, -85)$ ;
   $z_{0\ 12} = (447, -116)$ ;  $z_{0\ 12a} = (452, -122)$ ;  $z_{0\ 13b} = (467, -123)$ ;
   $z_{0\ 13} = (477, -112)$ ;  $z_{0\ 13a} = (521, -63)$ ;  $z_{0\ 14b} = (562, -12)$ ;
   $z_{0\ 14} = (605, 38)$ ;
   $z_{0\ 15} = (605, 97)$ ;
   $z_{0\ 16} = (537, 17)$ ;  $z_{0\ 16a} = (535, 12)$ ;  $z_{0\ 17b} = (529, 9)$ ;
   $z_{0\ 17} = (524, 9)$ ;  $z_{0\ 17a} = (519, 10)$ ;  $z_{0\ 18b} = (513, 16)$ ;
   $z_{0\ 18} = (508, 21)$ ;  $z_{0\ 18a} = (473, 52)$ ;  $z_{0\ 19b} = (455, 68)$ ;
   $z_{0\ 19} = (402, 114)$ ;  $z_{0\ 19a} = (394, 121)$ ;  $z_{0\ 20b} = (383, 120)$ ;
   $z_{0\ 20} = (373, 110)$ ;  $z_{0\ 20a} = (345, 80)$ ;  $z_{0\ 21b} = (320, 48)$ ;
   $z_{0\ 21} = (293, 17)$ ;  $z_{0\ 21a} = (285, 9)$ ;  $z_{0\ 22b} = (272, 13)$ ;
   $z_{0\ 22} = (264, 21)$ ;  $z_{0\ 22a} = (229, 52)$ ;  $z_{0\ 23b} = (193, 83)$ ;
   $z_{0\ 23} = (158, 114)$ ;  $z_{0\ 23a} = (156, 118)$ ;  $z_{0\ 24b} = (151, 120)$ ;
   $z_{0\ 24} = (146, 120)$ ;
   $p_0 = \text{compose\_path}_{z_0}(24)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

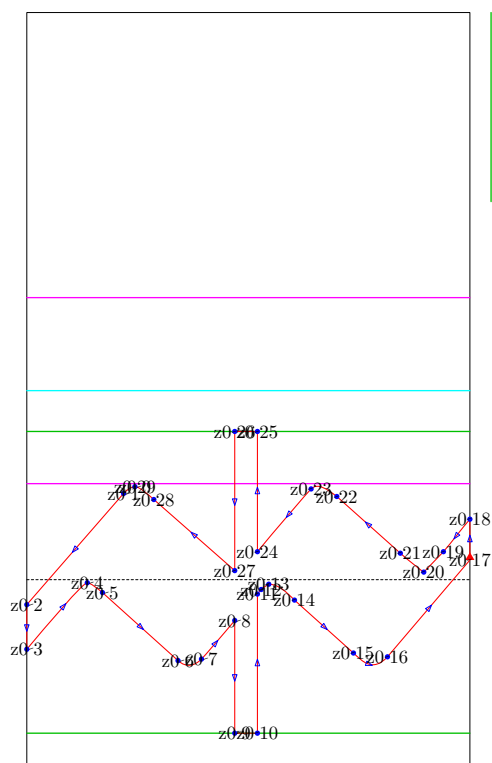
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost\_stem  $top$ ;
  standard\_exact\_hsbw("c1_3_2");
endglyph;

```

Construction of the character c133:

| Konstrukcja znaku c133:



```

beginlyph(c 1_3_3);
  save p; path p[];

  z0 0 = (143, 123); z0 0a = (137, 123); z0 1b = (132, 118);
  z0 1 = (128, 114); z0 1a = (113, 96); z0 2b = (43, 16);
  z0 2 = (0, -33);
  z0 3 = (0, -92); z0 3a = (27, -60); z0 4b = (74, -4);
  z0 4 = (80, -4); z0 4a = (84, -4); z0 5b = (94, -12);
  z0 5 = (100, -17); z0 5a = (129, -44); z0 6b = (163, -73);
  z0 6 = (200, -107); z0 6a = (211, -117); z0 7b = (222, -114);
  z0 7 = (231, -105); z0 7a = (236, -100); z0 8b = (259, -73);
  z0 8 = (275, -54);
  z0 9 = (275, -203);
  z0 10 = (305, -203);
  z0 11 = (305, -19); z0 11a = (305, -19); z0 12b = (308, -15);
  z0 12 = (310, -13); z0 12a = (313, -10); z0 13b = (320, -6);
  z0 13 = (320, -6); z0 13a = (333, -6); z0 14b = (344, -17);
  z0 14 = (354, -27); z0 14a = (380, -50); z0 15b = (406, -74);
  z0 15 = (432, -97); z0 15a = (444, -108); z0 16b = (457, -123);
  z0 16 = (477, -102); z0 16a = (477, -102); z0 17b = (547, -20);
  z0 17 = (586, 26);
  z0 18 = (586, 80); z0 18a = (574, 66); z0 19b = (563, 51);
  z0 19 = (551, 37); z0 19a = (542, 28); z0 20b = (525, 10);
  z0 20 = (525, 10); z0 20a = (523, 11); z0 21b = (504, 26);
  z0 21 = (494, 35);
  z0 22 = (410, 110); z0 22a = (398, 119); z0 23b = (385, 129);
  z0 23 = (376, 120); z0 23a = (370, 114); z0 24b = (328, 65);
  z0 24 = (305, 37);
  z0 25 = (305, 196);
  z0 26 = (275, 196);
  z0 27 = (275, 12); z0 27a = (239, 43); z0 28b = (204, 75);
  z0 28 = (168, 106); z0 28a = (160, 113); z0 29b = (149, 123);
  z0 29 = (143, 123);
  p0 = compose_path_z0(29);

  correct_path_directions(p0)(p);

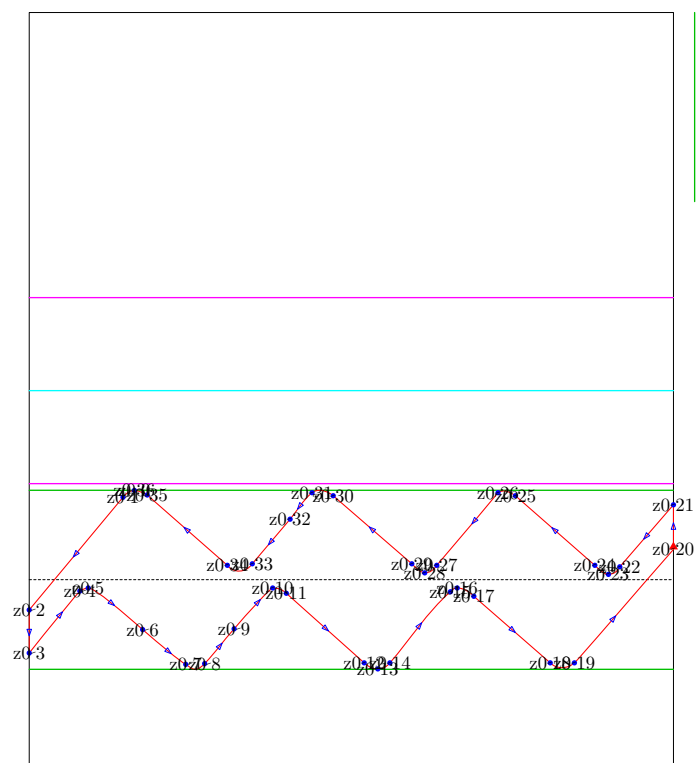
  if turningnumber p0 > 0: Fill else: unFill fi p0;

  fix_vstem(30)(p0)candidate_list(x)(275, 305);
  standard_exact_hsbw("c1_3_3");
endglyph;

```

Construction of the character c134:

| Konstrukcja znaku c134:



```

beginglyph(c 1_3_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (139, 118)$ ;  $z_{0\ 0a} = (133, 118)$ ;  $z_{0\ 1b} = (128, 114)$ ;
   $z_{0\ 1} = (124, 109)$ ;
   $z_{0\ 2} = (0, -40)$ ;
   $z_{0\ 3} = (0, -97)$ ;  $z_{0\ 3a} = (22, -69)$ ;  $z_{0\ 4b} = (63, -19)$ ;
   $z_{0\ 4} = (67, -15)$ ;  $z_{0\ 4a} = (71, -13)$ ;  $z_{0\ 5b} = (74, -11)$ ;
   $z_{0\ 5} = (78, -11)$ ;  $z_{0\ 5a} = (87, -11)$ ;  $z_{0\ 6b} = (126, -45)$ ;
   $z_{0\ 6} = (150, -66)$ ;  $z_{0\ 6a} = (172, -85)$ ;  $z_{0\ 7b} = (198, -107)$ ;
   $z_{0\ 7} = (207, -112)$ ;  $z_{0\ 7a} = (214, -116)$ ;  $z_{0\ 8b} = (219, -125)$ ;
   $z_{0\ 8} = (232, -111)$ ;  $z_{0\ 8a} = (248, -94)$ ;  $z_{0\ 9b} = (255, -83)$ ;
   $z_{0\ 9} = (271, -65)$ ;  $z_{0\ 9a} = (288, -45)$ ;  $z_{0\ 10b} = (319, -11)$ ;
   $z_{0\ 10} = (322, -11)$ ;  $z_{0\ 10a} = (329, -11)$ ;  $z_{0\ 11b} = (335, -13)$ ;
   $z_{0\ 11} = (340, -18)$ ;  $z_{0\ 11a} = (374, -49)$ ;  $z_{0\ 12b} = (398, -70)$ ;
   $z_{0\ 12} = (443, -110)$ ;  $z_{0\ 12a} = (449, -115)$ ;  $z_{0\ 13b} = (453, -118)$ ;
   $z_{0\ 13} = (461, -118)$ ;  $z_{0\ 13a} = (468, -118)$ ;  $z_{0\ 14b} = (473, -115)$ ;
   $z_{0\ 14} = (477, -110)$ ;  $z_{0\ 14a} = (504, -79)$ ;  $z_{0\ 15b} = (526, -43)$ ;
   $z_{0\ 15} = (557, -16)$ ;  $z_{0\ 15a} = (559, -13)$ ;  $z_{0\ 16b} = (562, -11)$ ;
   $z_{0\ 16} = (566, -11)$ ;  $z_{0\ 16a} = (575, -11)$ ;  $z_{0\ 17b} = (582, -16)$ ;
   $z_{0\ 17} = (588, -22)$ ;  $z_{0\ 17a} = (622, -51)$ ;  $z_{0\ 18b} = (655, -81)$ ;
   $z_{0\ 18} = (689, -110)$ ;  $z_{0\ 18a} = (698, -119)$ ;  $z_{0\ 19b} = (712, -118)$ ;
   $z_{0\ 19} = (721, -110)$ ;  $z_{0\ 19a} = (726, -106)$ ;  $z_{0\ 20b} = (808, -10)$ ;
   $z_{0\ 20} = (852, 40)$ ;
   $z_{0\ 21} = (852, 99)$ ;  $z_{0\ 21a} = (828, 72)$ ;  $z_{0\ 22b} = (805, 44)$ ;
   $z_{0\ 22} = (781, 17)$ ;  $z_{0\ 22a} = (778, 11)$ ;  $z_{0\ 23b} = (773, 7)$ ;
   $z_{0\ 23} = (766, 7)$ ;  $z_{0\ 23a} = (760, 7)$ ;  $z_{0\ 24b} = (753, 14)$ ;
   $z_{0\ 24} = (748, 19)$ ;  $z_{0\ 24a} = (713, 50)$ ;  $z_{0\ 25b} = (678, 80)$ ;
   $z_{0\ 25} = (643, 111)$ ;  $z_{0\ 25a} = (636, 116)$ ;  $z_{0\ 26b} = (627, 120)$ ;
   $z_{0\ 26} = (620, 115)$ ;  $z_{0\ 26a} = (619, 113)$ ;  $z_{0\ 27b} = (566, 51)$ ;
   $z_{0\ 27} = (539, 19)$ ;  $z_{0\ 27a} = (535, 13)$ ;  $z_{0\ 28b} = (530, 9)$ ;
   $z_{0\ 28} = (523, 9)$ ;  $z_{0\ 28a} = (518, 9)$ ;  $z_{0\ 29b} = (511, 16)$ ;
   $z_{0\ 29} = (506, 21)$ ;  $z_{0\ 29a} = (471, 51)$ ;  $z_{0\ 30b} = (437, 81)$ ;
   $z_{0\ 30} = (402, 111)$ ;  $z_{0\ 30a} = (393, 118)$ ;  $z_{0\ 31b} = (382, 121)$ ;
   $z_{0\ 31} = (374, 115)$ ;  $z_{0\ 31a} = (362, 105)$ ;  $z_{0\ 32b} = (354, 91)$ ;
   $z_{0\ 32} = (345, 80)$ ;
   $z_{0\ 33} = (295, 21)$ ;  $z_{0\ 33a} = (287, 9)$ ;  $z_{0\ 34b} = (270, 8)$ ;
   $z_{0\ 34} = (262, 19)$ ;  $z_{0\ 34a} = (227, 50)$ ;  $z_{0\ 35b} = (191, 81)$ ;
   $z_{0\ 35} = (156, 112)$ ;  $z_{0\ 35a} = (151, 115)$ ;  $z_{0\ 36b} = (144, 118)$ ;
   $z_{0\ 36} = (139, 118)$ ;
   $p_0 = \text{compose\_path}_{z_0}(36)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

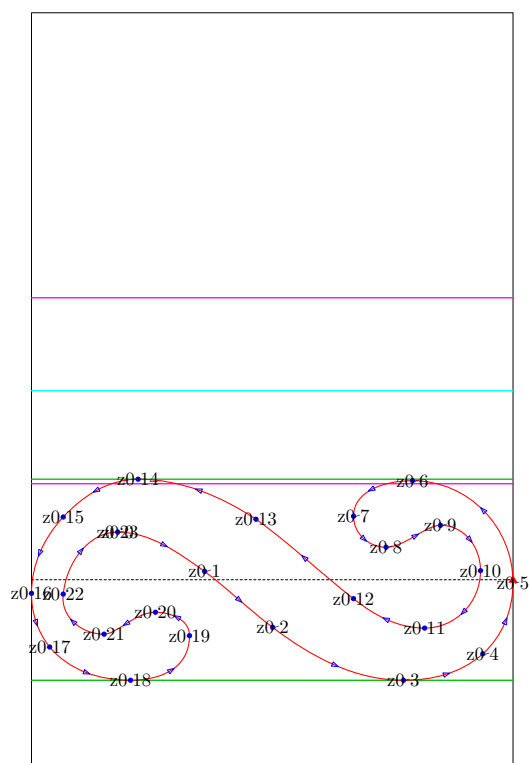
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(129)( $p_0$ ) $\text{candidate\_list}(y)(-11, 118)$ ;
  standard_exact_hsbw("c1_3_4");
endglyph;

```

Construction of the character c135:

| Konstrukcja znaku c135:



```

beginglyph(c 1_3_5);
  save p; path p[];

  z0 0 = (114, 63); z0 0a = (157, 63); z0 1b = (194, 36);
  z0 1 = (229, 11); z0 1a = (260, -12); z0 2b = (288, -40);
  z0 2 = (319, -63); z0 2a = (370, -102); z0 3b = (428, -133);
  z0 3 = (492, -133); z0 3a = (530, -133); z0 4b = (568, -124);
  z0 4 = (597, -98); z0 4a = (623, -75); z0 5b = (637, -40);
  z0 5 = (637, -4); z0 5a = (637, 70); z0 6b = (578, 131);
  z0 6 = (504, 131); z0 6a = (466, 131); z0 7b = (426, 117);
  z0 7 = (426, 84); z0 7a = (426, 61); z0 8b = (446, 43);
  z0 8 = (469, 43); z0 8a = (494, 43); z0 9b = (521, 72);
  z0 9 = (541, 72); z0 9a = (572, 72); z0 10b = (594, 44);
  z0 10 = (594, 12); z0 10a = (594, -30); z0 11b = (561, -64);
  z0 11 = (520, -64); z0 11a = (485, -64); z0 12b = (453, -47);
  z0 12 = (426, -25); z0 12a = (382, 9); z0 13b = (342, 48);
  z0 13 = (297, 80); z0 13a = (250, 111); z0 14b = (197, 133);
  z0 14 = (141, 133); z0 14a = (102, 133); z0 15b = (68, 111);
  z0 15 = (42, 83); z0 15a = (16, 55); z0 16b = (0, 20);
  z0 16 = (0, -18); z0 16a = (0, -44); z0 17b = (8, -69);
  z0 17 = (24, -89); z0 17a = (50, -120); z0 18b = (90, -133);
  z0 18 = (131, -133); z0 18a = (168, -133); z0 19b = (209, -119);
  z0 19 = (209, -74); z0 19a = (209, -52); z0 20b = (183, -43);
  z0 20 = (164, -43); z0 20a = (137, -43); z0 21b = (113, -72);
  z0 21 = (96, -72); z0 21a = (65, -72); z0 22b = (38, -48);
  z0 22 = (42, -19); z0 22a = (46, 22); z0 23b = (75, 63);
  z0 23 = (114, 63);
  p0 = compose_path_z0(23);

  correct_path_directions(p0)(p);

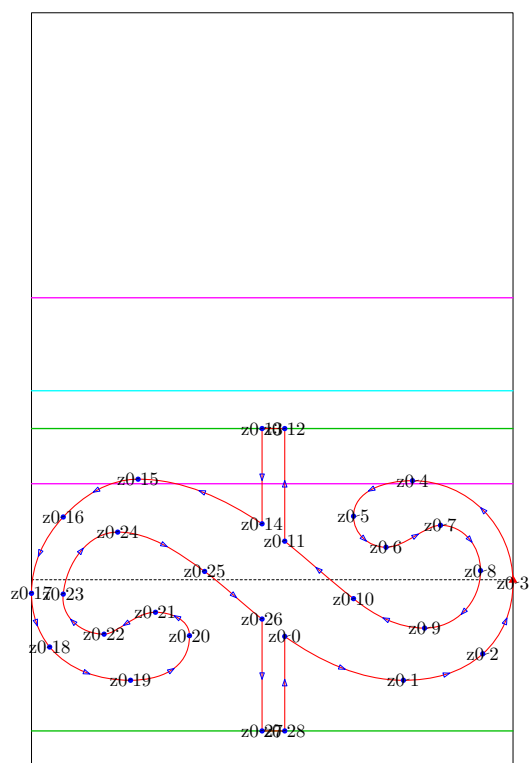
  if turningnumber p0 > 0: Fill else: unFill fi p0;

  fix_hstem(59)(p0)candidate_list(y)(72, 131);
  fix_hstem(61)(p0)candidate_list(y)(-133, -72);
  fix_vstem(43)(p0)candidate_list(x)(594, 637);
  standard_exact_hsbw("c1_3_5");
endglyph;

```

Construction of the character c136:

| Konstrukcja znaku c136:



```

beginlyph(c 1_3_6);
  save p; path p[];

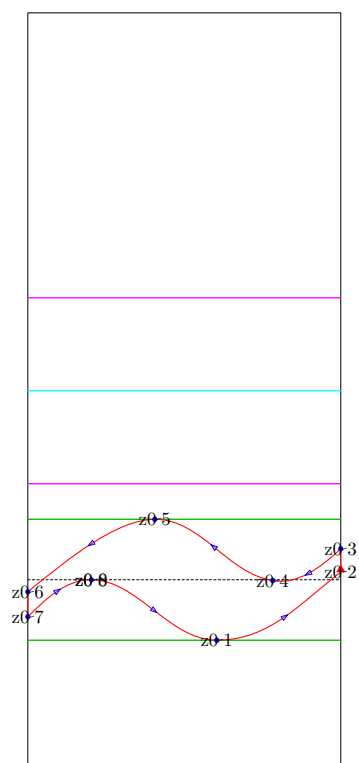
  z0 0 = (335, -75); z0 0a = (382, -108); z0 1b = (435, -133);
  z0 1 = (492, -133); z0 1a = (530, -133); z0 2b = (568, -124);
  z0 2 = (597, -98); z0 2a = (623, -75); z0 3b = (637, -40);
  z0 3 = (637, -4); z0 3a = (637, 70); z0 4b = (578, 131);
  z0 4 = (504, 131); z0 4a = (466, 131); z0 5b = (426, 117);
  z0 5 = (426, 84); z0 5a = (426, 61); z0 6b = (446, 43);
  z0 6 = (469, 43); z0 6a = (494, 43); z0 7b = (521, 72);
  z0 7 = (541, 72); z0 7a = (572, 72); z0 8b = (594, 44);
  z0 8 = (594, 12); z0 8a = (594, -30); z0 9b = (561, -64);
  z0 9 = (520, -64); z0 9a = (485, -64); z0 10b = (453, -47);
  z0 10 = (426, -25); z0 10a = (395, -1); z0 11b = (366, 26);
  z0 11 = (335, 51);
  z0 12 = (335, 200);
  z0 13 = (305, 200);
  z0 14 = (305, 74); z0 14a = (255, 107); z0 15b = (201, 133);
  z0 15 = (141, 133); z0 15a = (102, 133); z0 16b = (68, 111);
  z0 16 = (42, 83); z0 16a = (16, 55); z0 17b = (0, 20);
  z0 17 = (0, -18); z0 17a = (0, -44); z0 18b = (8, -69);
  z0 18 = (24, -89); z0 18a = (50, -120); z0 19b = (90, -133);
  z0 19 = (131, -133); z0 19a = (168, -133); z0 20b = (209, -119);
  z0 20 = (209, -74); z0 20a = (209, -52); z0 21b = (183, -43);
  z0 21 = (164, -43); z0 21a = (137, -43); z0 22b = (113, -72);
  z0 22 = (96, -72); z0 22a = (65, -72); z0 23b = (38, -48);
  z0 23 = (42, -19); z0 23a = (46, 22); z0 24b = (75, 63);
  z0 24 = (114, 63); z0 24a = (157, 63); z0 25b = (194, 36);
  z0 25 = (229, 11); z0 25a = (255, -8); z0 26b = (279, -32);
  z0 26 = (305, -52);
  z0 27 = (305, -200);
  z0 28 = (335, -200);
  p0 = compose_path_z0(28);

  correct_path_directions(p0)(p);

  if turningnumber p0 > 0: Fill else: unFill fi p0;

  fix_hstem(59)(p0)candidate_list(y)(72, 131);
  fix_hstem(61)(p0)candidate_list(y)(-133, -72);
  fix_vstem(30)(p0)candidate_list(x)(305, 335);
  fix_vstem(43)(p0)candidate_list(x)(594, 637);
  standard_exact_hsbw("c1_3_6");
endglyph;

```

Construction of the character c_{137} :| Konstrukcja znaku c_{137} :

```

beginglyph(c 1_3_7);
  save  $p$ ; path  $p[]$ ;

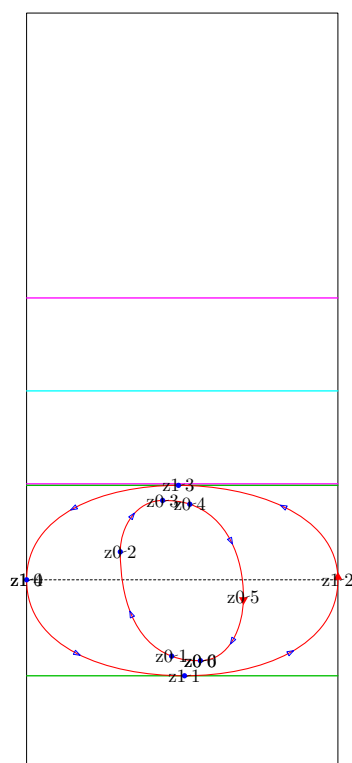
   $z_{0\ 0} = (84, 0)$ ;  $z_{0\ 0a} = (145, 0)$ ;  $z_{0\ 1b} = (187, -80)$ ;
   $z_{0\ 1} = (250, -80)$ ;  $z_{0\ 1a} = (321, -80)$ ;  $z_{0\ 2b} = (362, -29)$ ;
   $z_{0\ 2} = (414, 10)$ ;
   $z_{0\ 3} = (414, 41)$ ;  $z_{0\ 3a} = (388, 17)$ ;  $z_{0\ 4b} = (358, -7)$ ;
   $z_{0\ 4} = (324, -1)$ ;  $z_{0\ 4a} = (264, 8)$ ;  $z_{0\ 5b} = (230, 80)$ ;
   $z_{0\ 5} = (168, 80)$ ;  $z_{0\ 5a} = (118, 80)$ ;  $z_{0\ 6b} = (52, 27)$ ;
   $z_{0\ 6} = (0, -16)$ ;
   $z_{0\ 7} = (0, -49)$ ;  $z_{0\ 7a} = (24, -25)$ ;  $z_{0\ 8b} = (50, 0)$ ;
   $z_{0\ 8} = (84, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(8)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(80)( $p_0$ )candidate_list( $y$ )(0, 80);
  standard_exact_hsbw("c1_3_7");
endglyph;

```

Construction of the character $\mathbf{c170}$:| Konstrukcja znaku $\mathbf{c170}$:

```

beginglyph(c 1_7_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (230, -107)$ ;  $z_{0\ 0a} = (217, -107)$ ;  $z_{0\ 1b} = (204, -106)$ ;
   $z_{0\ 1} = (192, -101)$ ;  $z_{0\ 1a} = (141, -82)$ ;  $z_{0\ 2b} = (124, -21)$ ;
   $z_{0\ 2} = (124, 37)$ ;  $z_{0\ 2a} = (124, 71)$ ;  $z_{0\ 3b} = (146, 105)$ ;
   $z_{0\ 3} = (180, 105)$ ;  $z_{0\ 3a} = (192, 105)$ ;  $z_{0\ 4b} = (205, 104)$ ;
   $z_{0\ 4} = (216, 100)$ ;  $z_{0\ 4a} = (265, 84)$ ;  $z_{0\ 5b} = (287, 30)$ ;
   $z_{0\ 5} = (287, -23)$ ;  $z_{0\ 5a} = (287, -63)$ ;  $z_{0\ 6b} = (268, -107)$ ;
   $z_{0\ 6} = (230, -107)$ ;
   $p_0 = \text{compose\_path}_{z_0}(6)$ ;

   $z_{1\ 0} = (0, 0)$ ;  $z_{1\ 0a} = (0, -90)$ ;  $z_{1\ 1b} = (106, -127)$ ;
   $z_{1\ 1} = (209, -127)$ ;  $z_{1\ 1a} = (310, -127)$ ;  $z_{1\ 2b} = (412, -88)$ ;
   $z_{1\ 2} = (412, 0)$ ;  $z_{1\ 2a} = (412, 90)$ ;  $z_{1\ 3b} = (293, 125)$ ;
   $z_{1\ 3} = (201, 125)$ ;  $z_{1\ 3a} = (102, 125)$ ;  $z_{1\ 4b} = (0, 87)$ ;
   $z_{1\ 4} = (0, 0)$ ;
   $p_1 = \text{compose\_path}_{z_1}(4)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

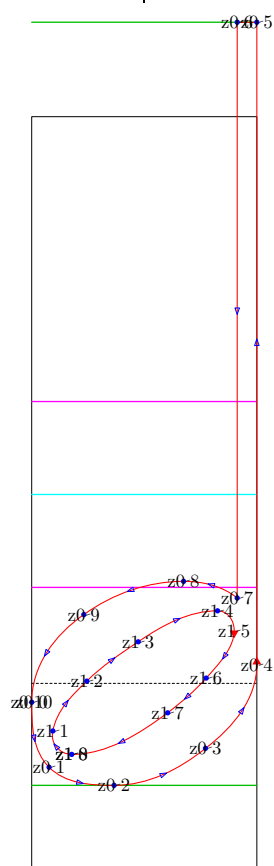
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_vstem(124)( $p_0, p_1$ ) $\text{candidate\_list}(x)(0, 124)$ ;
  fix_vstem(125)( $p_0, p_1$ ) $\text{candidate\_list}(x)(287, 412)$ ;
  ghost_stem bot, top;
  standard_exact_hsbw("c1_7_0");
endglyph;

```

Construction of the character c171:

| Konstrukcja znaku c171:



```

beginglyph(c 1_7_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -25)$ ;  $z_{0\ 0a} = (0, -56)$ ;  $z_{0\ 1b} = (1, -89)$ ;
   $z_{0\ 1} = (23, -111)$ ;  $z_{0\ 1a} = (45, -133)$ ;  $z_{0\ 2b} = (78, -135)$ ;
   $z_{0\ 2} = (109, -135)$ ;  $z_{0\ 2a} = (154, -135)$ ;  $z_{0\ 3b} = (195, -114)$ ;
   $z_{0\ 3} = (230, -86)$ ;  $z_{0\ 3a} = (267, -58)$ ;  $z_{0\ 4b} = (298, -20)$ ;
   $z_{0\ 4} = (298, 25)$ ;
   $z_{0\ 5} = (298, note\_ht)$ ;
   $z_{0\ 6} = (272, note\_ht)$ ;
   $z_{0\ 7} = (272, 113)$ ;  $z_{0\ 7a} = (252, 129)$ ;  $z_{0\ 8b} = (227, 135)$ ;
   $z_{0\ 8} = (201, 135)$ ;  $z_{0\ 8a} = (154, 135)$ ;  $z_{0\ 9b} = (108, 119)$ ;
   $z_{0\ 9} = (69, 91)$ ;  $z_{0\ 9a} = (30, 64)$ ;  $z_{0\ 10b} = (0, 23)$ ;
   $z_{0\ 10} = (0, -25)$ ;
   $p_0 = compose\_path_{z_0}(10)$ ;

   $z_{1\ 0} = (53, -94)$ ;  $z_{1\ 0a} = (37, -94)$ ;  $z_{1\ 1b} = (24, -79)$ ;
   $z_{1\ 1} = (28, -63)$ ;  $z_{1\ 1a} = (33, -36)$ ;  $z_{1\ 2b} = (53, -16)$ ;
   $z_{1\ 2} = (73, 3)$ ;  $z_{1\ 2a} = (93, 23)$ ;  $z_{1\ 3b} = (117, 39)$ ;
   $z_{1\ 3} = (141, 55)$ ;  $z_{1\ 3a} = (173, 77)$ ;  $z_{1\ 4b} = (208, 96)$ ;
   $z_{1\ 4} = (246, 96)$ ;  $z_{1\ 4a} = (259, 96)$ ;  $z_{1\ 5b} = (268, 84)$ ;
   $z_{1\ 5} = (268, 70)$ ;  $z_{1\ 5a} = (268, 47)$ ;  $z_{1\ 6b} = (248, 26)$ ;
   $z_{1\ 6} = (231, 7)$ ;  $z_{1\ 6a} = (216, -10)$ ;  $z_{1\ 7b} = (198, -25)$ ;
   $z_{1\ 7} = (180, -39)$ ;  $z_{1\ 7a} = (142, -67)$ ;  $z_{1\ 8b} = (100, -94)$ ;
   $z_{1\ 8} = (53, -94)$ ;
   $p_1 = compose\_path_{z_1}(8)$ ;

  correct_path_directions( $p_0, p_1$ )( $p$ );

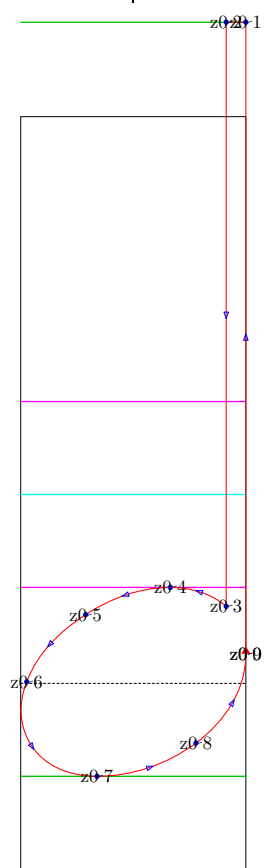
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(39)( $p_0, p_1$ )candidate_list( $y$ )(96, 135);
  fix_hstem(41)( $p_0, p_1$ )candidate_list( $y$ )(-135, -94);
  fix_vstem(line_wd)( $p_0$ )candidate_list( $x$ )(272, 298);
  ghost_stem top;
  standard_exact_hsbw("c1_7_1");
endglyph;

```

Construction of the character c172:

| Konstrukcja znaku c172:



```

beginglyph(c 1_7_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (298, 39)$ ;
   $z_{0\ 1} = (298, note\_ht)$ ;
   $z_{0\ 2} = (272, note\_ht)$ ;
   $z_{0\ 3} = (272, 102)$ ;  $z_{0\ 3a} = (252, 119)$ ;  $z_{0\ 4b} = (225, 127)$ ;
   $z_{0\ 4} = (198, 127)$ ;  $z_{0\ 4a} = (158, 127)$ ;  $z_{0\ 5b} = (120, 113)$ ;
   $z_{0\ 5} = (86, 91)$ ;  $z_{0\ 5a} = (52, 69)$ ;  $z_{0\ 6b} = (22, 40)$ ;
   $z_{0\ 6} = (8, 2)$ ;  $z_{0\ 6a} = (-16, -57)$ ;  $z_{0\ 7b} = (18, -123)$ ;
   $z_{0\ 7} = (101, -123)$ ;  $z_{0\ 7a} = (148, -123)$ ;  $z_{0\ 8b} = (194, -107)$ ;
   $z_{0\ 8} = (232, -79)$ ;  $z_{0\ 8a} = (271, -50)$ ;  $z_{0\ 9b} = (298, -8)$ ;
   $z_{0\ 9} = (298, 39)$ ;
   $p_0 = compose\_path_{z_0}(9)$ ;

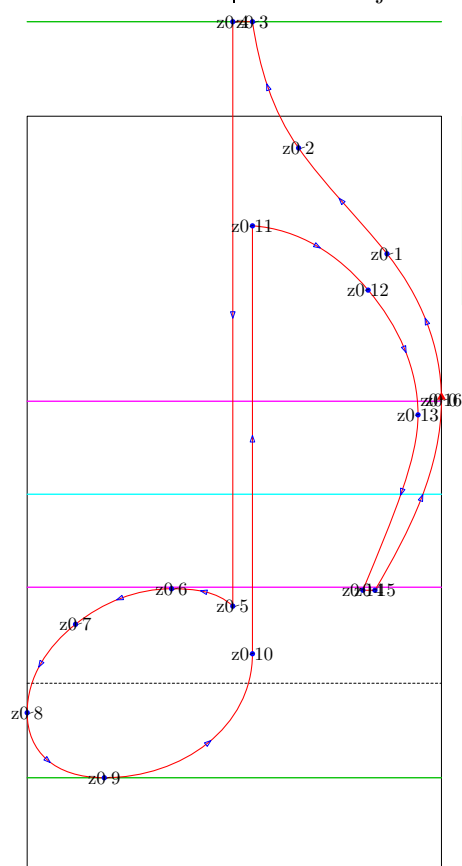
   $correct\_path\_directions(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(250)( $p_0$ ) $candidate\_list(y)(-123, 127)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(272, 298)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c1_7_2");
endglyph;

```

| Konstrukcja znaku c173:



```

beginglyph(c 1_7_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (548, 375)$ ;  $z_{0\ 0a} = (548, 446)$ ;  $z_{0\ 1b} = (520, 513)$ ;
   $z_{0\ 1} = (476, 568)$ ;  $z_{0\ 1a} = (438, 616)$ ;  $z_{0\ 2b} = (394, 658)$ ;
   $z_{0\ 2} = (359, 708)$ ;  $z_{0\ 2a} = (324, 757)$ ;  $z_{0\ 3b} = (307, 815)$ ;
   $z_{0\ 3} = (298, note\_ht)$ ;
   $z_{0\ 4} = (272, note\_ht)$ ;
   $z_{0\ 5} = (272, 102)$ ;  $z_{0\ 5a} = (251, 122)$ ;  $z_{0\ 6b} = (221, 125)$ ;
   $z_{0\ 6} = (191, 125)$ ;  $z_{0\ 6a} = (145, 125)$ ;  $z_{0\ 7b} = (100, 107)$ ;
   $z_{0\ 7} = (64, 78)$ ;  $z_{0\ 7a} = (27, 49)$ ;  $z_{0\ 8b} = (0, 8)$ ;
   $z_{0\ 8} = (0, -39)$ ;  $z_{0\ 8a} = (0, -90)$ ;  $z_{0\ 9b} = (36, -125)$ ;
   $z_{0\ 9} = (102, -125)$ ;  $z_{0\ 9a} = (205, -125)$ ;  $z_{0\ 10b} = (298, -58)$ ;
   $z_{0\ 10} = (298, 39)$ ;
   $z_{0\ 11} = (298, 605)$ ;  $z_{0\ 11a} = (359, 601)$ ;  $z_{0\ 12b} = (412, 567)$ ;
   $z_{0\ 12} = (451, 520)$ ;  $z_{0\ 12a} = (491, 473)$ ;  $z_{0\ 13b} = (517, 416)$ ;
   $z_{0\ 13} = (517, 355)$ ;  $z_{0\ 13a} = (517, 297)$ ;  $z_{0\ 14b} = (485, 222)$ ;
   $z_{0\ 14} = (444, 123)$ ;
   $z_{0\ 15} = (460, 123)$ ;  $z_{0\ 15a} = (506, 201)$ ;  $z_{0\ 16b} = (548, 284)$ ;
   $z_{0\ 16} = (548, 375)$ ;
   $p_0 = compose\_path_{z_0}(16)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

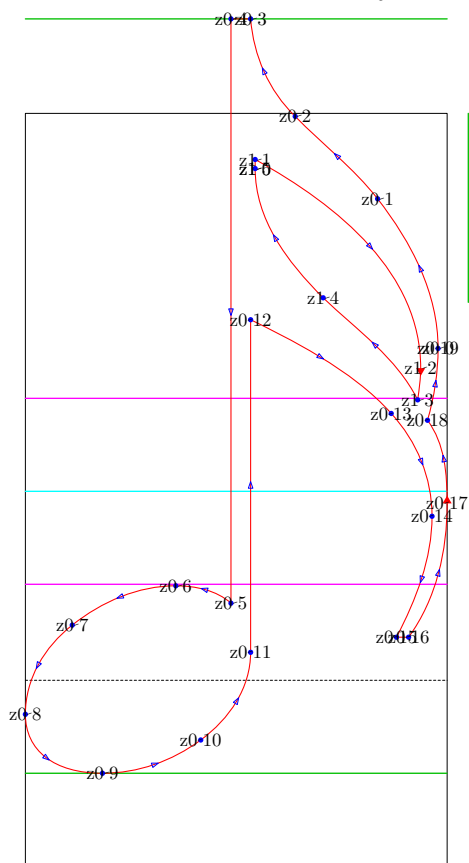
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(250)( $p_0$ ) $candidate\_list(y)(-125, 125)$ ;
  fix_vstem(31)( $p_0$ ) $candidate\_list(x)(517, 548)$ ;
  fix_vstem(line_wd)( $p_0$ ) $candidate\_list(x)(272, 298)$ ;
  ghost_stem top;
  standard_exact_hsbw("c1_7_3");
endglyph;

```

Construction of the character c174:

Konstrukcja znaku c174:



```

beginglyph(c 1_7_4);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (546, 439)$ ;  $z_{0\ 0a} = (546, 512)$ ;  $z_{0\ 1b} = (511, 579)$ ;
   $z_{0\ 1} = (466, 637)$ ;  $z_{0\ 1a} = (434, 678)$ ;  $z_{0\ 2b} = (393, 709)$ ;
   $z_{0\ 2} = (357, 746)$ ;  $z_{0\ 2a} = (322, 780)$ ;  $z_{0\ 3b} = (302, 826)$ ;
   $z_{0\ 3} = (298, note\_ht)$ ;
   $z_{0\ 4} = (272, note\_ht)$ ;
   $z_{0\ 5} = (272, 102)$ ;  $z_{0\ 5a} = (253, 119)$ ;  $z_{0\ 6b} = (225, 125)$ ;
   $z_{0\ 6} = (199, 125)$ ;  $z_{0\ 6a} = (149, 125)$ ;  $z_{0\ 7b} = (101, 104)$ ;
   $z_{0\ 7} = (62, 73)$ ;  $z_{0\ 7a} = (25, 44)$ ;  $z_{0\ 8b} = (0, 2)$ ;
   $z_{0\ 8} = (0, -45)$ ;  $z_{0\ 8a} = (0, -93)$ ;  $z_{0\ 9b} = (38, -123)$ ;
   $z_{0\ 9} = (102, -123)$ ;  $z_{0\ 9a} = (149, -123)$ ;  $z_{0\ 10b} = (194, -107)$ ;
   $z_{0\ 10} = (232, -79)$ ;  $z_{0\ 10a} = (270, -51)$ ;  $z_{0\ 11b} = (298, -10)$ ;
   $z_{0\ 11} = (298, 37)$ ;
   $z_{0\ 12} = (298, 477)$ ;  $z_{0\ 12a} = (345, 454)$ ;  $z_{0\ 13b} = (433, 411)$ ;
   $z_{0\ 13} = (484, 353)$ ;  $z_{0\ 13a} = (518, 316)$ ;  $z_{0\ 14b} = (538, 268)$ ;
   $z_{0\ 14} = (538, 217)$ ;  $z_{0\ 14a} = (538, 161)$ ;  $z_{0\ 15b} = (517, 107)$ ;
   $z_{0\ 15} = (491, 57)$ ;
   $z_{0\ 16} = (507, 57)$ ;  $z_{0\ 16a} = (544, 108)$ ;  $z_{0\ 17b} = (558, 171)$ ;
   $z_{0\ 17} = (558, 234)$ ;  $z_{0\ 17a} = (558, 273)$ ;  $z_{0\ 18b} = (555, 313)$ ;
   $z_{0\ 18} = (532, 344)$ ;  $z_{0\ 18a} = (541, 375)$ ;  $z_{0\ 19b} = (546, 407)$ ;
   $z_{0\ 19} = (546, 439)$ ;
   $p_0 = compose\_path_{z_0}(19)$ ;

   $z_{1\ 0} = (304, 677)$ ;
   $z_{1\ 1} = (304, 689)$ ;  $z_{1\ 1a} = (416, 627)$ ;  $z_{1\ 2b} = (523, 538)$ ;
   $z_{1\ 2} = (523, 413)$ ;  $z_{1\ 2a} = (523, 399)$ ;  $z_{1\ 3b} = (521, 385)$ ;
   $z_{1\ 3} = (519, 371)$ ;  $z_{1\ 3a} = (491, 427)$ ;  $z_{1\ 4b} = (439, 463)$ ;
   $z_{1\ 4} = (394, 506)$ ;  $z_{1\ 4a} = (346, 554)$ ;  $z_{1\ 5b} = (304, 610)$ ;
   $z_{1\ 5} = (304, 677)$ ;
   $p_1 = compose\_path_{z_1}(5)$ ;

   $correct\_path\_directions(p_0, p_1)(p)$ ;

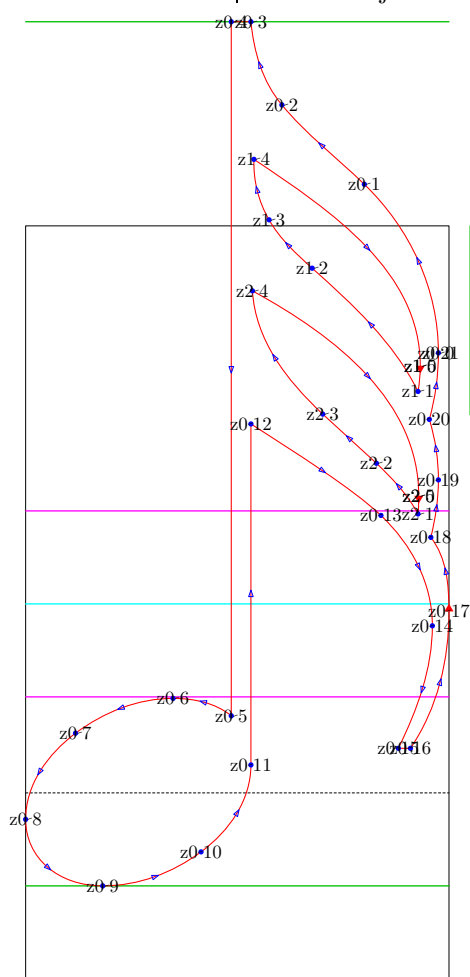
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(248)( $p_0, p_1$ ) $candidate\_list(y)(-123, 125)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(272, 298)$ ;
  fix_vstem(23)( $p_0, p_1$ ) $candidate\_list(x)(523, 546)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c1_7_4");
endglyph;

```

Construction of the character c175:

| Konstrukcja znaku c175:



```

beginlyph(c 1_7_5);
  save p; path p[];

  z0 0 = (546, 582); z0 0a = (546, 666); z0 1b = (509, 746);
  z0 1 = (448, 805); z0 1a = (412, 840); z0 2b = (371, 871);
  z0 2 = (339, 910); z0 2a = (313, 941); z0 3b = (302, 980);
  z0 3 = (298, 1020);
  z0 4 = (272, 1020);
  z0 5 = (272, 102); z0 5a = (251, 119); z0 6b = (223, 125);
  z0 6 = (195, 125); z0 6a = (148, 125); z0 7b = (104, 107);
  z0 7 = (66, 79); z0 7a = (29, 51); z0 8b = (0, 11);
  z0 8 = (0, -35); z0 8a = (0, -86); z0 9b = (43, -123);
  z0 9 = (102, -123); z0 9a = (149, -123); z0 10b = (194, -106);
  z0 10 = (232, -78); z0 10a = (270, -50); z0 11b = (298, -9);
  z0 11 = (298, 37);
  z0 12 = (298, 488); z0 12a = (357, 450); z0 13b = (432, 403);
  z0 13 = (470, 367); z0 13a = (511, 328); z0 14b = (538, 277);
  z0 14 = (538, 221); z0 14a = (538, 164); z0 15b = (518, 110);
  z0 15 = (493, 59);
  z0 16 = (509, 59); z0 16a = (545, 112); z0 17b = (560, 176);
  z0 17 = (560, 240); z0 17a = (560, 275); z0 18b = (557, 311);
  z0 18 = (536, 338); z0 18a = (542, 363); z0 19b = (546, 388);
  z0 19 = (546, 414); z0 19a = (546, 441); z0 20b = (542, 468);
  z0 20 = (534, 494); z0 20a = (542, 523); z0 21b = (546, 552);
  z0 21 = (546, 582);
  p0 = compose_path_z0(21);

  z1 0 = (522, 565); z1 0a = (522, 554); z1 1b = (521, 542);
  z1 1 = (519, 531); z1 1a = (487, 596); z1 2b = (433, 646);
  z1 2 = (379, 694); z1 2a = (358, 713); z1 3b = (336, 733);
  z1 3 = (322, 758); z1 3a = (308, 782); z1 4b = (301, 810);
  z1 4 = (302, 838); z1 4a = (407, 768); z1 5b = (522, 689);
  z1 5 = (522, 565);
  p1 = compose_path_z1(5);

  z2 0 = (520, 393); z2 0a = (520, 385); z2 1b = (520, 377);
  z2 1 = (519, 369); z2 1a = (505, 395); z2 2b = (485, 416);
  z2 2 = (464, 436); z2 2a = (440, 458); z2 3b = (416, 479);
  z2 3 = (393, 501); z2 3a = (345, 546); z2 4b = (304, 599);
  z2 4 = (300, 664); z2 4a = (412, 603); z2 5b = (520, 517);
  z2 5 = (520, 393);
  p2 = compose_path_z2(5);

  correct_path_directions(p0, p1, p2)(p);

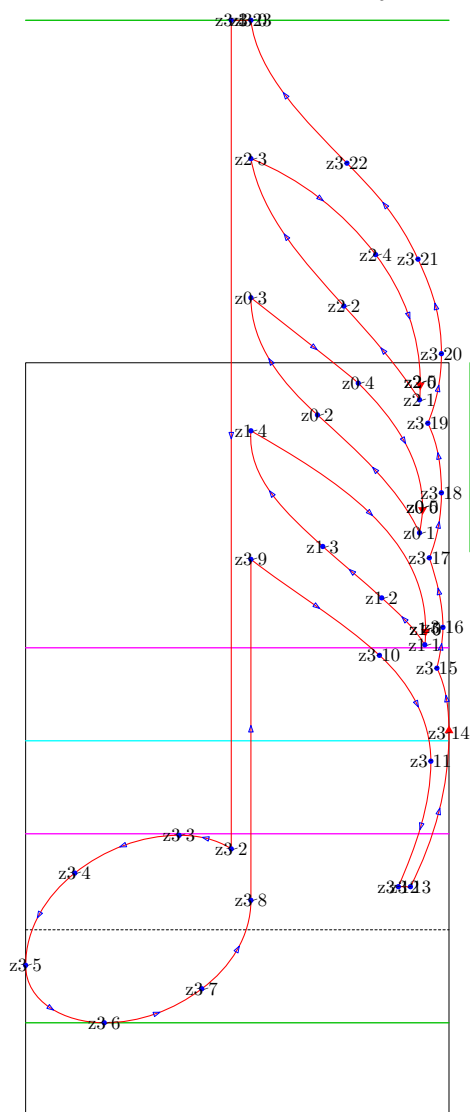
  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;
  if turningnumber p2 > 0: Fill else: unFill fi p2;

  fix_hstem(248)(p0, p1, p2)candidate_list(y)(-123, 125);
  fix_vstem(line_wd)(p0)candidate_list(x)(272, 298);
  fix_vstem(22)(p0, p1, p2)candidate_list(x)(538, 560);
  standard_exact_hsbw("c1_7_5");
endglyph;

```

Construction of the character c176:

Konstrukcja znaku c176:



```

beginlyph(c 1_7_6);
save p; path p[];

z0 0 = (525, 559); z0 0a = (525, 548); z0 1b = (523, 536);
z0 1 = (521, 525); z0 1a = (494, 584); z0 2b = (438, 634);
z0 2 = (386, 681); z0 2a = (340, 722); z0 3b = (298, 774);
z0 3 = (298, 836); z0 3a = (345, 799); z0 4b = (425, 737);
z0 4 = (440, 723); z0 4a = (486, 678); z0 5b = (525, 623);
z0 5 = (525, 559);
p0 = compose_path_z0(5);

z1 0 = (529, 398); z1 0a = (529, 391); z1 1b = (529, 384);
z1 1 = (528, 377); z1 1a = (513, 401); z1 2b = (492, 420);
z1 2 = (471, 439); z1 2a = (446, 462); z1 3b = (419, 484);
z1 3 = (393, 507); z1 3a = (346, 550); z1 4b = (293, 597);
z1 4 = (298, 660); z1 4a = (408, 597); z1 5b = (529, 522);
z1 5 = (529, 398);
p1 = compose_path_z1(5);

z2 0 = (522, 724); z2 0a = (522, 717); z2 1b = (522, 709);
z2 1 = (521, 701); z2 1a = (492, 746); z2 2b = (457, 786);
z2 2 = (421, 825); z2 2a = (369, 883); z2 3b = (312, 944);
z2 3 = (298, 1020); z2 3a = (363, 994); z2 4b = (421, 949);
z2 4 = (463, 893); z2 4a = (500, 844); z2 5b = (522, 786);
z2 5 = (522, 724);
p2 = compose_path_z2(5);

z3 0 = (298, 1203);
z3 1 = (272, 1203);
z3 2 = (272, 107); z3 2a = (252, 120); z3 3b = (228, 125);
z3 3 = (203, 125); z3 3a = (153, 125); z3 4b = (104, 106);
z3 4 = (65, 75); z3 4a = (27, 45); z3 5b = (0, 1);
z3 5 = (0, -47); z3 5a = (0, -95); z3 6b = (51, -123);
z3 6 = (104, -123); z3 6a = (151, -123); z3 7b = (196, -106);
z3 7 = (233, -78); z3 7a = (271, -50); z3 8b = (298, -8);
z3 8 = (298, 39);
z3 9 = (298, 490); z3 9a = (353, 447); z3 10b = (416, 411);
z3 10 = (468, 363); z3 10a = (508, 327); z3 11b = (536, 277);
z3 11 = (536, 223); z3 11a = (536, 165); z3 12b = (516, 110);
z3 12 = (493, 57);
z3 13 = (509, 57); z3 13a = (541, 120); z3 14b = (560, 189);
z3 14 = (560, 260); z3 14a = (560, 290); z3 15b = (557, 320);
z3 15 = (544, 346); z3 15a = (548, 364); z3 16b = (552, 382);
z3 16 = (552, 400); z3 16a = (552, 431); z3 17b = (544, 462);
z3 17 = (534, 492); z3 17a = (545, 519); z3 18b = (550, 549);
z3 18 = (550, 578); z3 18a = (550, 610); z3 19b = (546, 642);
z3 19 = (532, 670); z3 19a = (544, 699); z3 20b = (550, 730);
z3 20 = (550, 762); z3 20a = (550, 806); z3 21b = (541, 840);
z3 21 = (519, 887); z3 21a = (493, 944); z3 22b = (462, 976);
z3 22 = (425, 1014); z3 22a = (371, 1069); z3 23b = (306, 1133);
z3 23 = (298, 1203);
p3 = compose_path_z3(23);

correct_path_directions(p0, p1, p2, p3)(p);

if turningnumber p0 > 0: Fill else: unFill fi p0;
if turningnumber p1 > 0: Fill else: unFill fi p1;
if turningnumber p2 > 0: Fill else: unFill fi p2;
if turningnumber p3 > 0: Fill else: unFill fi p3;

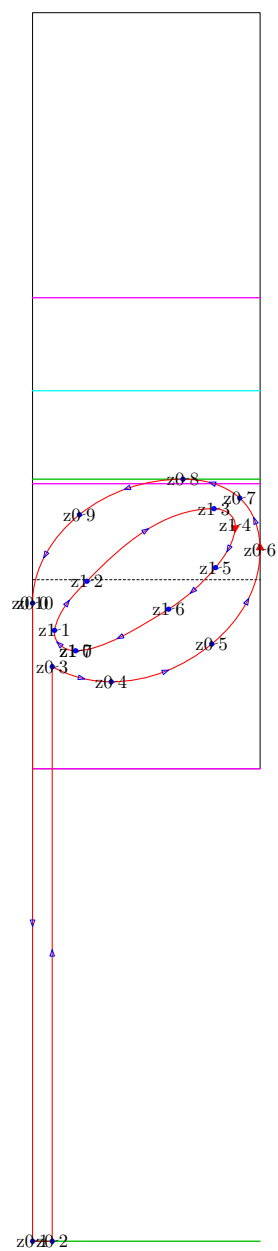
fix_hstem(248)(p0, p1, p2, p3)candidate_list(y)(-123, 125);

```

```
fix_vstem(24)(p0, p1, p2, p3)candidate_list(x)(536, 560);  
fix_vstem(line_wd)(p3)candidate_list(x)(272, 298);  
standard_exact_hsbw("c1_7_6");  
endglyph;
```


Construction of the character c180:

| Konstrukcja znaku c180:



```

beginglyph(c 1_8_0);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -31)$ ;
   $z_{0\ 1} = (0, -note\_ht)$ ;
   $z_{0\ 2} = (line\_wd, -note\_ht)$ ;
   $z_{0\ 3} = (line\_wd, -115)$ ;  $z_{0\ 3a} = (50, -128)$ ;  $z_{0\ 4b} = (76, -135)$ ;
   $z_{0\ 4} = (104, -135)$ ;  $z_{0\ 4a} = (153, -135)$ ;  $z_{0\ 5b} = (199, -116)$ ;
   $z_{0\ 5} = (237, -85)$ ;  $z_{0\ 5a} = (275, -54)$ ;  $z_{0\ 6b} = (301, -10)$ ;
   $z_{0\ 6} = (301, 39)$ ;  $z_{0\ 6a} = (301, 65)$ ;  $z_{0\ 7b} = (293, 91)$ ;
   $z_{0\ 7} = (274, 108)$ ;  $z_{0\ 7a} = (254, 126)$ ;  $z_{0\ 8b} = (226, 133)$ ;
   $z_{0\ 8} = (199, 133)$ ;  $z_{0\ 8a} = (149, 133)$ ;  $z_{0\ 9b} = (101, 117)$ ;
   $z_{0\ 9} = (62, 86)$ ;  $z_{0\ 9a} = (26, 57)$ ;  $z_{0\ 10b} = (0, 15)$ ;
   $z_{0\ 10} = (0, -31)$ ;
   $p_0 = compose\_path_{z_0}(10)$ ;

   $z_{1\ 0} = (57, -94)$ ;  $z_{1\ 0a} = (41, -94)$ ;  $z_{1\ 1b} = (27, -82)$ ;
   $z_{1\ 1} = (29, -67)$ ;  $z_{1\ 1a} = (34, -41)$ ;  $z_{1\ 2b} = (53, -21)$ ;
   $z_{1\ 2} = (72, -2)$ ;  $z_{1\ 2a} = (119, 47)$ ;  $z_{1\ 3b} = (173, 94)$ ;
   $z_{1\ 3} = (240, 94)$ ;  $z_{1\ 3a} = (254, 94)$ ;  $z_{1\ 4b} = (268, 85)$ ;
   $z_{1\ 4} = (268, 72)$ ;  $z_{1\ 4a} = (268, 51)$ ;  $z_{1\ 5b} = (255, 32)$ ;
   $z_{1\ 5} = (242, 16)$ ;  $z_{1\ 5a} = (224, -6)$ ;  $z_{1\ 6b} = (203, -24)$ ;
   $z_{1\ 6} = (180, -39)$ ;  $z_{1\ 6a} = (141, -63)$ ;  $z_{1\ 7b} = (92, -94)$ ;
   $z_{1\ 7} = (57, -94)$ ;
   $p_1 = compose\_path_{z_1}(7)$ ;

   $correct\_path\_directions(p_0, p_1)(p)$ ;

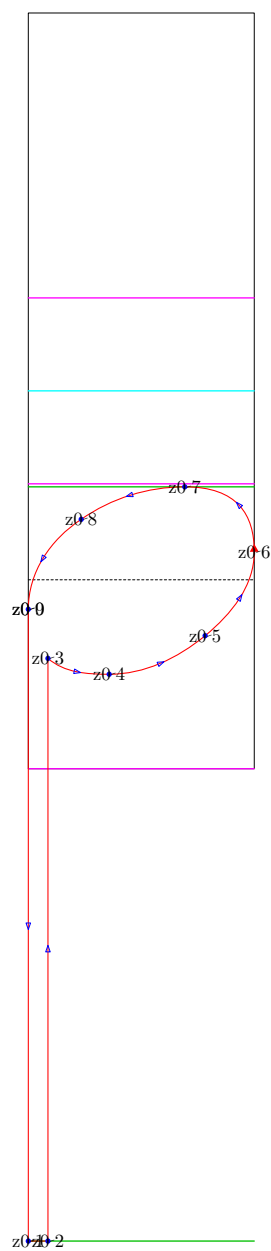
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(39)( $p_0, p_1$ ) $candidate\_list(y)(94, 133)$ ;
  fix_hstem(41)( $p_0, p_1$ ) $candidate\_list(y)(-135, -94)$ ;
  fix_vstem(33)( $p_0, p_1$ ) $candidate\_list(x)(268, 301)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(0, line\_wd)$ ;
  standard_exact_hsbw("c1_8_0");
endglyph;

```

Construction of the character c181:

| Konstrukcja znaku c181:



```

beginglyph(c 1_8_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -39)$ ;
   $z_{0\ 1} = (0, -note\_ht)$ ;
   $z_{0\ 2} = (line\_wd, -note\_ht)$ ;
   $z_{0\ 3} = (line\_wd, -104)$ ;  $z_{0\ 3a} = (48, -123)$ ;  $z_{0\ 4b} = (77, -125)$ ;
   $z_{0\ 4} = (107, -125)$ ;  $z_{0\ 4a} = (154, -125)$ ;  $z_{0\ 5b} = (197, -104)$ ;
   $z_{0\ 5} = (234, -74)$ ;  $z_{0\ 5a} = (269, -45)$ ;  $z_{0\ 6b} = (299, -8)$ ;
   $z_{0\ 6} = (299, 37)$ ;  $z_{0\ 6a} = (299, 86)$ ;  $z_{0\ 7b} = (277, 123)$ ;
   $z_{0\ 7} = (207, 123)$ ;  $z_{0\ 7a} = (158, 123)$ ;  $z_{0\ 8b} = (110, 108)$ ;
   $z_{0\ 8} = (70, 80)$ ;  $z_{0\ 8a} = (29, 53)$ ;  $z_{0\ 9b} = (0, 10)$ ;
   $z_{0\ 9} = (0, -39)$ ;
   $p_0 = compose\_path_{z_0}(9)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

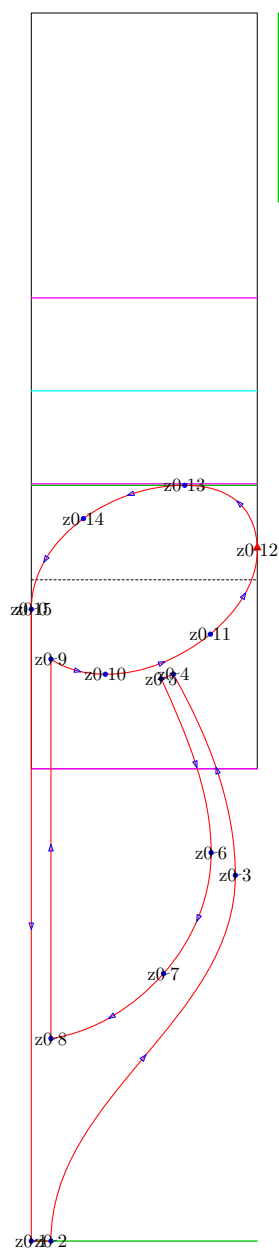
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(248)( $p_0$ ) $candidate\_list(y)(-125, 123)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(0, line\_wd)$ ;
  standard_exact_hsbw("c1_8_1");
endglyph;

```

Construction of the character c182:

| Konstrukcja znaku c182:



```

beginglyph(c 1_8_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -39)$ ;
   $z_{0\ 1} = (0, -note\_ht)$ ;
   $z_{0\ 2} = (line\_wd, -note\_ht)$ ;  $z_{0\ 2a} = (line\_wd, -683)$ ;  $z_{0\ 3b} = (270, -583)$ ;
   $z_{0\ 3} = (270, -391)$ ;  $z_{0\ 3a} = (270, -297)$ ;  $z_{0\ 4b} = (234, -207)$ ;
   $z_{0\ 4} = (188, -125)$ ;  $z_{0\ 4a} = (183, -127)$ ;  $z_{0\ 5b} = (177, -129)$ ;
   $z_{0\ 5} = (172, -131)$ ;  $z_{0\ 5a} = (205, -204)$ ;  $z_{0\ 6b} = (238, -280)$ ;
   $z_{0\ 6} = (238, -361)$ ;  $z_{0\ 6a} = (238, -420)$ ;  $z_{0\ 7b} = (214, -477)$ ;
   $z_{0\ 7} = (175, -521)$ ;  $z_{0\ 7a} = (135, -566)$ ;  $z_{0\ 8b} = (84, -598)$ ;
   $z_{0\ 8} = (line\_wd, -607)$ ;
   $z_{0\ 9} = (line\_wd, -105)$ ;  $z_{0\ 9a} = (47, -119)$ ;  $z_{0\ 10b} = (72, -125)$ ;
   $z_{0\ 10} = (98, -125)$ ;  $z_{0\ 10a} = (149, -125)$ ;  $z_{0\ 11b} = (197, -104)$ ;
   $z_{0\ 11} = (237, -72)$ ;  $z_{0\ 11a} = (271, -43)$ ;  $z_{0\ 12b} = (299, -5)$ ;
   $z_{0\ 12} = (299, 39)$ ;  $z_{0\ 12a} = (299, 88)$ ;  $z_{0\ 13b} = (270, 125)$ ;
   $z_{0\ 13} = (203, 125)$ ;  $z_{0\ 13a} = (155, 125)$ ;  $z_{0\ 14b} = (108, 109)$ ;
   $z_{0\ 14} = (69, 81)$ ;  $z_{0\ 14a} = (29, 52)$ ;  $z_{0\ 15b} = (0, 9)$ ;
   $z_{0\ 15} = (0, -39)$ ;
   $p_0 = compose\_path_{z_0}(15)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

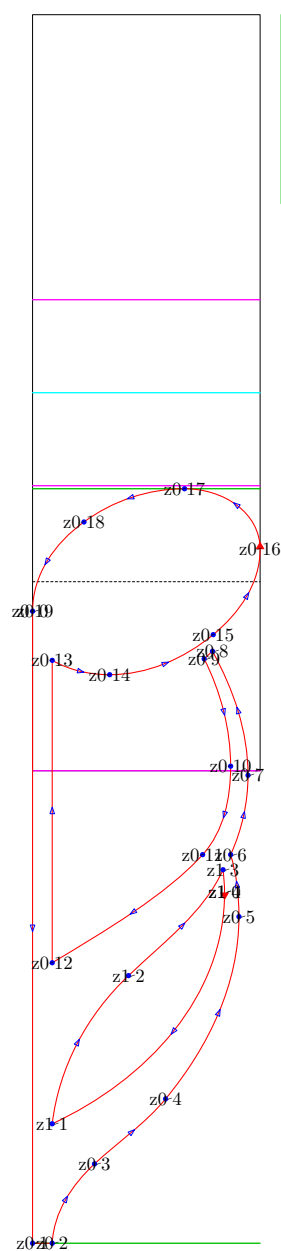
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(250)( $p_0$ ) $candidate\_list(y)(-125, 125)$ ;
  fix_vstem(32)( $p_0$ ) $candidate\_list(x)(238, 270)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(0, line\_wd)$ ;
  standard_exact_hsbw("c1_8_2");
endglyph;

```

Construction of the character c183:

| Konstrukcja znaku c183:



```

beginglyph(c 1_8_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, -39)$ ;
   $z_{0\ 1} = (0, -note\_ht)$ ;
   $z_{0\ 2} = (line\_wd, -note\_ht)$ ;  $z_{0\ 2a} = (28, -834)$ ;  $z_{0\ 3b} = (52, -798)$ ;
   $z_{0\ 3} = (82, -770)$ ;  $z_{0\ 3a} = (113, -741)$ ;  $z_{0\ 4b} = (149, -717)$ ;
   $z_{0\ 4} = (176, -684)$ ;  $z_{0\ 4a} = (233, -615)$ ;  $z_{0\ 5b} = (273, -532)$ ;
   $z_{0\ 5} = (273, -443)$ ;  $z_{0\ 5a} = (273, -415)$ ;  $z_{0\ 6b} = (270, -388)$ ;
   $z_{0\ 6} = (262, -361)$ ;  $z_{0\ 6a} = (277, -328)$ ;  $z_{0\ 7b} = (285, -292)$ ;
   $z_{0\ 7} = (285, -256)$ ;  $z_{0\ 7a} = (285, -198)$ ;  $z_{0\ 8b} = (266, -143)$ ;
   $z_{0\ 8} = (238, -92)$ ;  $z_{0\ 8a} = (234, -95)$ ;  $z_{0\ 9b} = (231, -99)$ ;
   $z_{0\ 9} = (227, -102)$ ;  $z_{0\ 9a} = (249, -146)$ ;  $z_{0\ 10b} = (262, -195)$ ;
   $z_{0\ 10} = (262, -244)$ ;  $z_{0\ 10a} = (262, -287)$ ;  $z_{0\ 11b} = (253, -330)$ ;
   $z_{0\ 11} = (225, -361)$ ;  $z_{0\ 11a} = (177, -414)$ ;  $z_{0\ 12b} = (96, -462)$ ;
   $z_{0\ 12} = (line\_wd, -504)$ ;
   $z_{0\ 13} = (line\_wd, -104)$ ;  $z_{0\ 13a} = (49, -117)$ ;  $z_{0\ 14b} = (75, -123)$ ;
   $z_{0\ 14} = (102, -123)$ ;  $z_{0\ 14a} = (152, -123)$ ;  $z_{0\ 15b} = (200, -102)$ ;
   $z_{0\ 15} = (239, -70)$ ;  $z_{0\ 15a} = (274, -41)$ ;  $z_{0\ 16b} = (301, -2)$ ;
   $z_{0\ 16} = (301, 43)$ ;  $z_{0\ 16a} = (301, 91)$ ;  $z_{0\ 17b} = (253, 123)$ ;
   $z_{0\ 17} = (201, 123)$ ;  $z_{0\ 17a} = (153, 123)$ ;  $z_{0\ 18b} = (106, 107)$ ;
   $z_{0\ 18} = (68, 79)$ ;  $z_{0\ 18a} = (29, 51)$ ;  $z_{0\ 19b} = (0, 9)$ ;
   $z_{0\ 19} = (0, -39)$ ;
   $p_0 = compose\_path_{z_0}(19)$ ;

   $z_{1\ 0} = (254, -411)$ ;  $z_{1\ 0a} = (254, -549)$ ;  $z_{1\ 1b} = (151, -659)$ ;
   $z_{1\ 1} = (line\_wd, -717)$ ;  $z_{1\ 1a} = (35, -642)$ ;  $z_{1\ 2b} = (72, -573)$ ;
   $z_{1\ 2} = (127, -521)$ ;  $z_{1\ 2a} = (174, -476)$ ;  $z_{1\ 3b} = (226, -438)$ ;
   $z_{1\ 3} = (252, -381)$ ;  $z_{1\ 3a} = (253, -391)$ ;  $z_{1\ 4b} = (254, -401)$ ;
   $z_{1\ 4} = (254, -411)$ ;
   $p_1 = compose\_path_{z_1}(4)$ ;

   $correct\_path\_directions(p_0, p_1)(p)$ ;

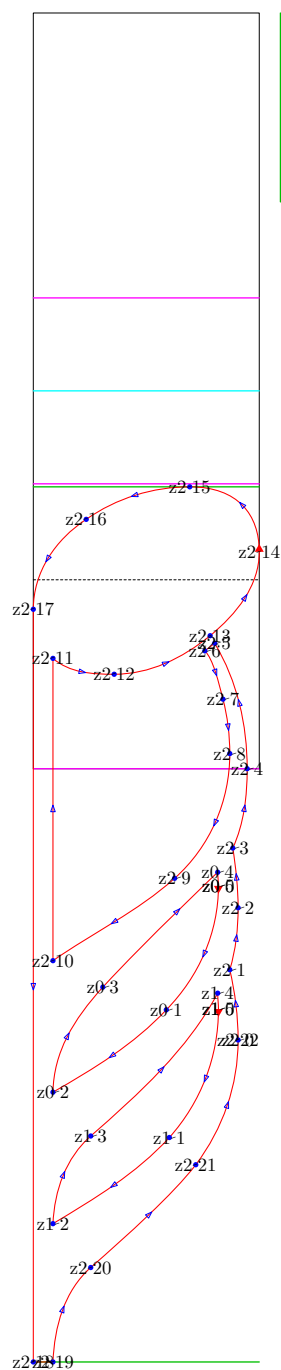
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(246)( $p_0, p_1$ ) $candidate\_list(y)(-123, 123)$ ;
  fix_vstem(23)( $p_0, p_1$ ) $candidate\_list(x)(262, 285)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(0, line\_wd)$ ;
  standard_exact_hsbw("c1_8_3");
endglyph;

```

Construction of the character c184:

| Konstrukcja znaku c184:



```

beginlyph(c 1_8_4);
  save p; path p[];

  z0 0 = (245, -405); z0 0a = (245, -467); z0 1b = (219, -525);
  z0 1 = (176, -569); z0 1a = (133, -615); z0 2b = (80, -647);
  z0 2 = (line_wd, -678); z0 2a = (27, -625); z0 3b = (53, -582);
  z0 3 = (92, -539); z0 3a = (150, -476); z0 4b = (244, -387);
  z0 4 = (244, -387); z0 4a = (244, -393); z0 5b = (245, -399);
  z0 5 = (245, -405);
  p0 = compose_path_z0(5);

  z1 0 = (245, -568); z1 0a = (245, -631); z1 1b = (222, -691);
  z1 1 = (180, -738); z1 1a = (136, -786); z1 2b = (81, -819);
  z1 2 = (line_wd, -852); z1 2a = (28, -808); z1 3b = (43, -765);
  z1 3 = (76, -736); z1 3a = (140, -680); z1 4b = (204, -622);
  z1 4 = (244, -547); z1 4a = (244, -554); z1 5b = (245, -561);
  z1 5 = (245, -568);
  p1 = compose_path_z1(5);

  z2 0 = (271, -609); z2 0a = (271, -578); z2 1b = (267, -546);
  z2 1 = (260, -516); z2 1a = (268, -489); z2 2b = (271, -462);
  z2 2 = (271, -434); z2 2a = (271, -408); z2 3b = (268, -381);
  z2 3 = (264, -355); z2 3a = (279, -322); z2 4b = (283, -286);
  z2 4 = (283, -250); z2 4a = (283, -192); z2 5b = (270, -134);
  z2 5 = (240, -84); z2 5a = (236, -87); z2 6b = (231, -91);
  z2 6 = (227, -94); z2 6a = (238, -105); z2 7b = (245, -135);
  z2 7 = (251, -158); z2 7a = (257, -181); z2 8b = (260, -206);
  z2 8 = (260, -230); z2 8a = (260, -293); z2 9b = (234, -353);
  z2 9 = (187, -395); z2 9a = (138, -439); z2 10b = (79, -467);
  z2 10 = (line_wd, -504);
  z2 11 = (line_wd, -104); z2 11a = (48, -123); z2 12b = (77, -125);
  z2 12 = (107, -125); z2 12a = (154, -125); z2 13b = (197, -104);
  z2 13 = (234, -74); z2 13a = (269, -45); z2 14b = (299, -8);
  z2 14 = (299, 37); z2 14a = (299, 86); z2 15b = (271, 123);
  z2 15 = (207, 123); z2 15a = (158, 123); z2 16b = (110, 108);
  z2 16 = (70, 80); z2 16a = (29, 53); z2 17b = (0, 10);
  z2 17 = (0, -39);
  z2 18 = (0, -1035);
  z2 19 = (line_wd, -1035); z2 19a = (28, -988); z2 20b = (41, -941);
  z2 20 = (76, -910); z2 20a = (125, -867); z2 21b = (185, -813);
  z2 21 = (215, -774); z2 21a = (251, -726); z2 22b = (271, -669);
  z2 22 = (271, -609);
  p2 = compose_path_z2(22);

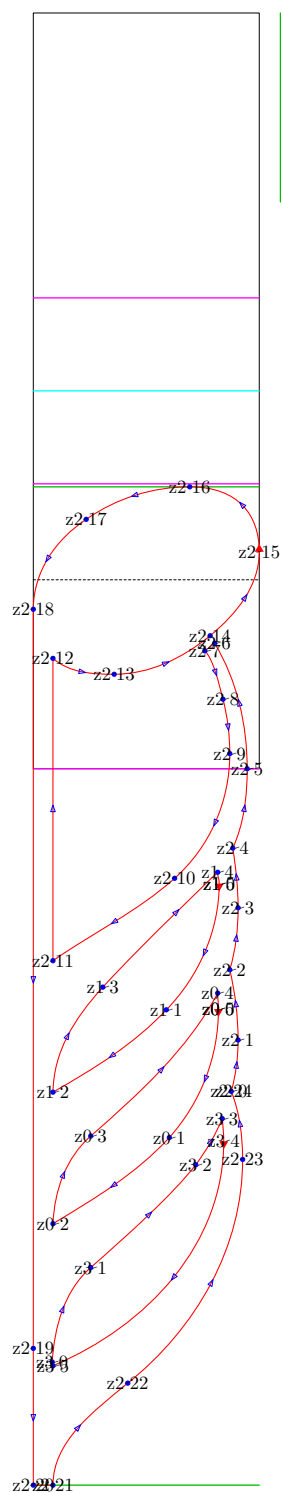
  correct_path_directions(p0, p1, p2)(p);

  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;
  if turningnumber p2 > 0: Fill else: unFill fi p2;

  fix_hstem(248)(p0, p1, p2)candidate_list(y)(-125, 123);
  fix_vstem(23)(p0, p1, p2)candidate_list(x)(260, 283);
  fix_vstem(line_wd)(p2)candidate_list(x)(0, line_wd);
  standard_exact_hsbw("c1_8_4");
endglyph;

```

| Konstrukcja znaku c185:



```

beginlyph(c 1_8_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (245, -568)$ ;  $z_{0\ 0a} = (245, -631)$ ;  $z_{0\ 1b} = (222, -691)$ ;
   $z_{0\ 1} = (180, -738)$ ;  $z_{0\ 1a} = (136, -786)$ ;  $z_{0\ 2b} = (81, -819)$ ;
   $z_{0\ 2} = (\text{line\_wd}, -852)$ ;  $z_{0\ 2a} = (28, -808)$ ;  $z_{0\ 3b} = (43, -765)$ ;
   $z_{0\ 3} = (76, -736)$ ;  $z_{0\ 3a} = (140, -680)$ ;  $z_{0\ 4b} = (204, -622)$ ;
   $z_{0\ 4} = (244, -547)$ ;  $z_{0\ 4a} = (244, -554)$ ;  $z_{0\ 5b} = (245, -561)$ ;
   $z_{0\ 5} = (245, -568)$ ;
   $p_0 = \text{compose\_path}_{z_0}(5)$ ;

   $z_{1\ 0} = (246, -402)$ ;  $z_{1\ 0a} = (246, -464)$ ;  $z_{1\ 1b} = (219, -525)$ ;
   $z_{1\ 1} = (176, -569)$ ;  $z_{1\ 1a} = (133, -615)$ ;  $z_{1\ 2b} = (80, -647)$ ;
   $z_{1\ 2} = (\text{line\_wd}, -678)$ ;  $z_{1\ 2a} = (27, -625)$ ;  $z_{1\ 3b} = (53, -582)$ ;
   $z_{1\ 3} = (92, -539)$ ;  $z_{1\ 3a} = (147, -479)$ ;  $z_{1\ 4b} = (244, -387)$ ;
   $z_{1\ 4} = (244, -387)$ ;  $z_{1\ 4a} = (244, -393)$ ;  $z_{1\ 5b} = (246, -396)$ ;
   $z_{1\ 5} = (246, -402)$ ;
   $p_1 = \text{compose\_path}_{z_1}(5)$ ;

   $z_{2\ 0} = (262, -677)$ ;  $z_{2\ 0a} = (268, -655)$ ;  $z_{2\ 1b} = (271, -632)$ ;
   $z_{2\ 1} = (271, -609)$ ;  $z_{2\ 1a} = (271, -578)$ ;  $z_{2\ 2b} = (267, -546)$ ;
   $z_{2\ 2} = (260, -516)$ ;  $z_{2\ 2a} = (268, -489)$ ;  $z_{2\ 3b} = (271, -462)$ ;
   $z_{2\ 3} = (271, -434)$ ;  $z_{2\ 3a} = (271, -408)$ ;  $z_{2\ 4b} = (268, -381)$ ;
   $z_{2\ 4} = (264, -355)$ ;  $z_{2\ 4a} = (279, -322)$ ;  $z_{2\ 5b} = (283, -286)$ ;
   $z_{2\ 5} = (283, -250)$ ;  $z_{2\ 5a} = (283, -192)$ ;  $z_{2\ 6b} = (270, -134)$ ;
   $z_{2\ 6} = (240, -84)$ ;  $z_{2\ 6a} = (236, -87)$ ;  $z_{2\ 7b} = (231, -91)$ ;
   $z_{2\ 7} = (227, -94)$ ;  $z_{2\ 7a} = (238, -105)$ ;  $z_{2\ 8b} = (245, -135)$ ;
   $z_{2\ 8} = (251, -158)$ ;  $z_{2\ 8a} = (257, -181)$ ;  $z_{2\ 9b} = (260, -206)$ ;
   $z_{2\ 9} = (260, -230)$ ;  $z_{2\ 9a} = (260, -293)$ ;  $z_{2\ 10b} = (234, -353)$ ;
   $z_{2\ 10} = (187, -395)$ ;  $z_{2\ 10a} = (138, -439)$ ;  $z_{2\ 11b} = (79, -467)$ ;
   $z_{2\ 11} = (\text{line\_wd}, -504)$ ;
   $z_{2\ 12} = (\text{line\_wd}, -104)$ ;  $z_{2\ 12a} = (48, -123)$ ;  $z_{2\ 13b} = (77, -125)$ ;
   $z_{2\ 13} = (107, -125)$ ;  $z_{2\ 13a} = (154, -125)$ ;  $z_{2\ 14b} = (197, -104)$ ;
   $z_{2\ 14} = (234, -74)$ ;  $z_{2\ 14a} = (269, -45)$ ;  $z_{2\ 15b} = (299, -8)$ ;
   $z_{2\ 15} = (299, 37)$ ;  $z_{2\ 15a} = (299, 86)$ ;  $z_{2\ 16b} = (271, 123)$ ;
   $z_{2\ 16} = (207, 123)$ ;  $z_{2\ 16a} = (158, 123)$ ;  $z_{2\ 17b} = (110, 108)$ ;
   $z_{2\ 17} = (70, 80)$ ;  $z_{2\ 17a} = (29, 53)$ ;  $z_{2\ 18b} = (0, 10)$ ;
   $z_{2\ 18} = (0, -39)$ ;
   $z_{2\ 19} = (0, -1017)$ ;
   $z_{2\ 20} = (0, -1198)$ ;
   $z_{2\ 21} = (\text{line\_wd}, -1198)$ ;  $z_{2\ 21a} = (\text{line\_wd}, -1140)$ ;  $z_{2\ 22b} = (80, -1100)$ ;
   $z_{2\ 22} = (125, -1063)$ ;  $z_{2\ 22a} = (216, -990)$ ;  $z_{2\ 23b} = (277, -883)$ ;
   $z_{2\ 23} = (277, -767)$ ;  $z_{2\ 23a} = (277, -736)$ ;  $z_{2\ 24b} = (273, -705)$ ;
   $z_{2\ 24} = (262, -677)$ ;
   $p_2 = \text{compose\_path}_{z_2}(24)$ ;

   $z_{3\ 0} = (25, -1035)$ ;  $z_{3\ 0a} = (28, -988)$ ;  $z_{3\ 1b} = (41, -941)$ ;
   $z_{3\ 1} = (76, -910)$ ;  $z_{3\ 1a} = (125, -867)$ ;  $z_{3\ 2b} = (185, -813)$ ;
   $z_{3\ 2} = (215, -774)$ ;  $z_{3\ 2a} = (229, -755)$ ;  $z_{3\ 3b} = (241, -735)$ ;
   $z_{3\ 3} = (250, -713)$ ;  $z_{3\ 3a} = (251, -723)$ ;  $z_{3\ 4b} = (252, -733)$ ;
   $z_{3\ 4} = (252, -743)$ ;  $z_{3\ 4a} = (252, -878)$ ;  $z_{3\ 5b} = (152, -987)$ ;
   $z_{3\ 5} = (\text{line\_wd}, -1040)$ ;
   $p_3 = \text{compose\_path}_{z_3}(5)$ ;

   $\text{correct\_path\_directions}(p_0, p_1, p_2, p_3)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;
  if turningnumber  $p_2 > 0$ : Fill else: unFill fi  $p_2$ ;
  if turningnumber  $p_3 > 0$ : Fill else: unFill fi  $p_3$ ;

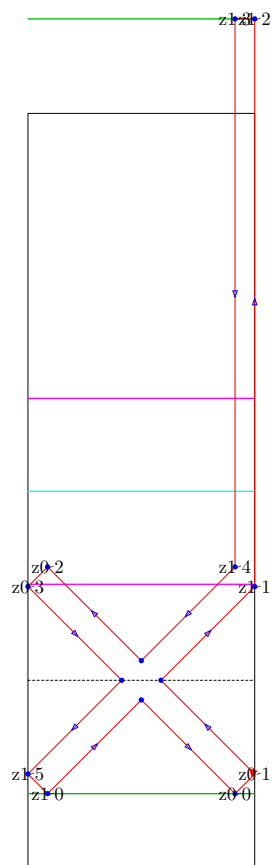
  fix_hstem(248)( $p_0, p_1, p_2, p_3$ ) $\text{candidate\_list}(y)(-125, 123)$ ;

```

```
fix_vstem(23)(p0, p1, p2, p3)candidate_list(x)(260, 283);  
fix_vstem(line_wd)(p2)candidate_list(x)(0, line_wd);  
standard_exact_hsbw("c1_8_5");  
endglyph;
```


Construction of the character c186:

| Konstrukcja znaku c186:



```

beginglyph(c 1_8_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (\textit{note\_wd} - \textit{line\_wd}, 0 - \frac{1}{2} \textit{note\_wd})$ ;
   $z_{0\ 1} = (\textit{note\_wd}, \textit{line\_wd} - \frac{1}{2} \textit{note\_wd})$ ;
   $z_{0\ 2} = (\textit{line\_wd}, \frac{1}{2} \textit{note\_wd})$ ;
   $z_{0\ 3} = (0, \frac{1}{2} \textit{note\_wd} - \textit{line\_wd})$ ;
   $p_0 = \textit{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (\textit{line\_wd}, -\frac{1}{2} \textit{note\_wd})$ ;
   $z_{1\ 1} = (\textit{note\_wd}, \frac{1}{2} \textit{note\_wd} - \textit{line\_wd})$ ;
   $z_{1\ 2} = (\textit{note\_wd}, \textit{note\_ht})$ ;
   $z_{1\ 3} = (\textit{note\_wd} - \textit{line\_wd}, \textit{note\_ht})$ ;
   $z_{1\ 4} = (\textit{note\_wd} - \textit{line\_wd}, \frac{1}{2} \textit{note\_wd})$ ;
   $z_{1\ 5} = (0, \textit{line\_wd} - \frac{1}{2} \textit{note\_wd})$ ;
   $p_1 = \textit{compose\_path}_{z_1}(5)$ ;

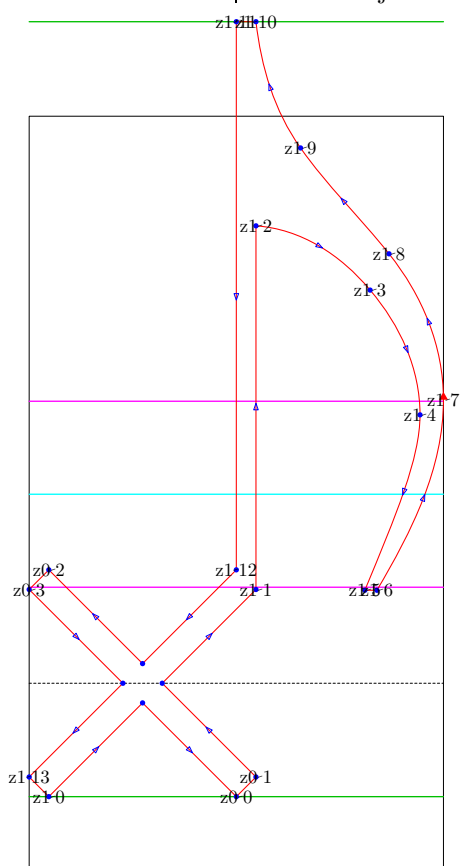
  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ;

  fix_vstem( $\textit{line\_wd}$ )( $r_1$ );
  ghost_stem  $\textit{top}, \textit{bot}$ ;
  standard_exact_hsbw("c1_8_6");
endglyph;

```

Construction of the character c187:

Konstrukcja znaku c187:



```

beginglyph(c 1_8_7);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (\text{note\_wd} - \text{line\_wd}, 0 - \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 1} = (\text{note\_wd}, \text{line\_wd} - \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 2} = (\text{line\_wd}, \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 3} = (0, \frac{1}{2} \text{note\_wd} - \text{line\_wd})$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (\text{line\_wd}, -\frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 1} = (\text{note\_wd}, \frac{1}{2} \text{note\_wd} - \text{line\_wd})$ ;
   $z_{1\ 2} = (\text{note\_wd}, 605)$ ;  $z_{1\ 2a} = (359, 601)$ ;  $z_{1\ 3b} = (412, 567)$ ;
   $z_{1\ 3} = (451, 520)$ ;  $z_{1\ 3a} = (491, 473)$ ;  $z_{1\ 4b} = (517, 416)$ ;
   $z_{1\ 4} = (517, 355)$ ;  $z_{1\ 4a} = (517, 297)$ ;  $z_{1\ 5b} = (485, 222)$ ;
   $z_{1\ 5} = (444, 123)$ ;
   $z_{1\ 6} = (460, 123)$ ;  $z_{1\ 6a} = (506, 201)$ ;  $z_{1\ 7b} = (548, 284)$ ;
   $z_{1\ 7} = (548, 375)$ ;  $z_{1\ 7a} = (548, 446)$ ;  $z_{1\ 8b} = (520, 513)$ ;
   $z_{1\ 8} = (476, 568)$ ;  $z_{1\ 8a} = (438, 616)$ ;  $z_{1\ 9b} = (394, 658)$ ;
   $z_{1\ 9} = (359, 708)$ ;  $z_{1\ 9a} = (324, 757)$ ;  $z_{1\ 10b} = (307, 815)$ ;
   $z_{1\ 10} = (\text{note\_wd}, \text{note\_ht})$ ;
   $z_{1\ 11} = (\text{note\_wd} - \text{line\_wd}, \text{note\_ht})$ ;
   $z_{1\ 12} = (\text{note\_wd} - \text{line\_wd}, \frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 13} = (0, \text{line\_wd} - \frac{1}{2} \text{note\_wd})$ ;
   $p_1 = \text{compose\_path}_{z_1}(13)$ ;

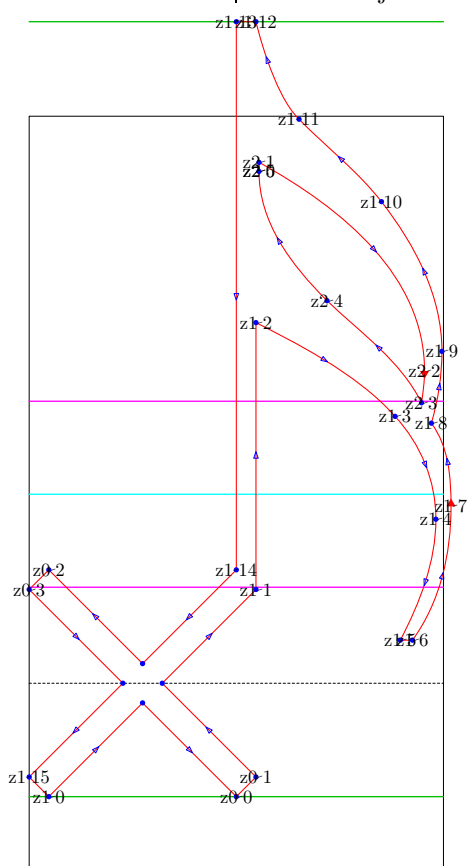
  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ;

  fix_vstem( $\text{line\_wd}$ )( $r_1$ );
  fix_vstem(31)( $r_1$ )candidate_list( $x$ )(517, 548);
  ghost_stem top, bot;
  standard_exact_hsbw("c1_8_7");
endglyph;

```

Construction of the character c188:

Konstrukcja znaku c188:



```

beginglyph(c1_8_8);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (\text{note\_wd} - \text{line\_wd}, 0 - \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 1} = (\text{note\_wd}, \text{line\_wd} - \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 2} = (\text{line\_wd}, \frac{1}{2} \text{note\_wd})$ ;
   $z_{0\ 3} = (0, \frac{1}{2} \text{note\_wd} - \text{line\_wd})$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (\text{line\_wd}, -\frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 1} = (\text{note\_wd}, \frac{1}{2} \text{note\_wd} - \text{line\_wd})$ ;
   $z_{1\ 2} = (\text{note\_wd}, 477)$ ;  $z_{1\ 2a} = (345, 454)$ ;  $z_{1\ 3b} = (433, 411)$ ;
   $z_{1\ 3} = (484, 353)$ ;  $z_{1\ 3a} = (518, 316)$ ;  $z_{1\ 4b} = (538, 268)$ ;
   $z_{1\ 4} = (538, 217)$ ;  $z_{1\ 4a} = (538, 161)$ ;  $z_{1\ 5b} = (517, 107)$ ;
   $z_{1\ 5} = (491, 57)$ ;
   $z_{1\ 6} = (507, 57)$ ;  $z_{1\ 6a} = (544, 108)$ ;  $z_{1\ 7b} = (558, 171)$ ;
   $z_{1\ 7} = (558, 234)$ ;  $z_{1\ 7a} = (558, 273)$ ;  $z_{1\ 8b} = (555, 313)$ ;
   $z_{1\ 8} = (532, 344)$ ;  $z_{1\ 8a} = (541, 375)$ ;  $z_{1\ 9b} = (546, 407)$ ;
   $z_{1\ 9} = (546, 439)$ ;  $z_{1\ 9a} = (546, 512)$ ;  $z_{1\ 10b} = (511, 579)$ ;
   $z_{1\ 10} = (466, 637)$ ;  $z_{1\ 10a} = (434, 678)$ ;  $z_{1\ 11b} = (393, 709)$ ;
   $z_{1\ 11} = (357, 746)$ ;  $z_{1\ 11a} = (322, 780)$ ;  $z_{1\ 12b} = (\text{note\_wd}, \text{note\_ht})$ ;
   $z_{1\ 12} = (\text{note\_wd}, \text{note\_ht})$ ;
   $z_{1\ 13} = (\text{note\_wd} - \text{line\_wd}, \text{note\_ht})$ ;
   $z_{1\ 14} = (\text{note\_wd} - \text{line\_wd}, \frac{1}{2} \text{note\_wd})$ ;
   $z_{1\ 15} = (0, \text{line\_wd} - \frac{1}{2} \text{note\_wd})$ ;

   $p_1 = \text{compose\_path}_{z_1}(15)$ ;

   $z_{2\ 0} = (304, 677)$ ;
   $z_{2\ 1} = (304, 689)$ ;  $z_{2\ 1a} = (416, 627)$ ;  $z_{2\ 2b} = (523, 538)$ ;
   $z_{2\ 2} = (523, 413)$ ;  $z_{2\ 2a} = (523, 399)$ ;  $z_{2\ 3b} = (521, 385)$ ;
   $z_{2\ 3} = (519, 371)$ ;  $z_{2\ 3a} = (491, 427)$ ;  $z_{2\ 4b} = (439, 463)$ ;
   $z_{2\ 4} = (394, 506)$ ;  $z_{2\ 4a} = (346, 554)$ ;  $z_{2\ 5b} = (304, 610)$ ;
   $z_{2\ 5} = (304, 677)$ ;
   $p_2 = \text{compose\_path}_{z_2}(5)$ ;

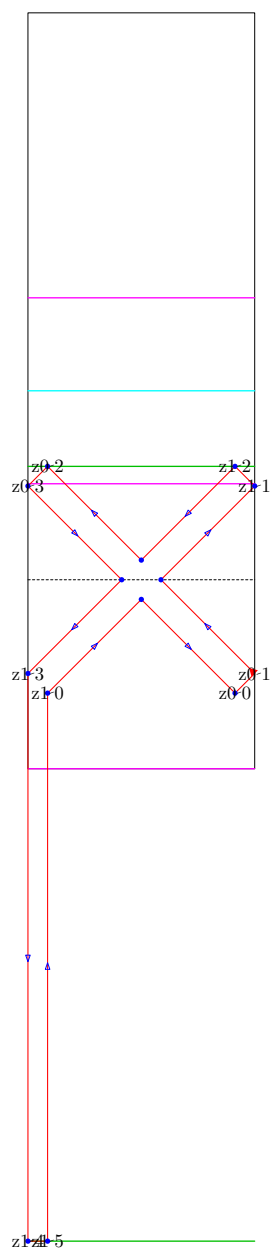
  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ; unFill  $p_2$ ;

  fix_vstem( $\text{line\_wd}$ )( $r_1$ );
  fix_vstem(23)( $r_1, p_2$ )candidate_list( $x$ )(523, 546);
  ghost_stem top, bot;
  standard_exact_hsbw("c1_8_8");
endglyph;

```

Construction of the character c191:

| Konstrukcja znaku c191:



```

beginglyph(c 1_9_1);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (note\_wd - line\_wd, 0 - \frac{1}{2} note\_wd)$ ;
   $z_0\ 1 = (note\_wd, line\_wd - \frac{1}{2} note\_wd)$ ;
   $z_0\ 2 = (line\_wd, \frac{1}{2} note\_wd)$ ;
   $z_0\ 3 = (0, \frac{1}{2} note\_wd - line\_wd)$ ;
   $p_0 = compose\_path_{z_0}(3)$ ;

   $z_1\ 0 = (line\_wd, -\frac{1}{2} note\_wd)$ ;
   $z_1\ 1 = (note\_wd, \frac{1}{2} note\_wd - line\_wd)$ ;
   $z_1\ 2 = (note\_wd - line\_wd, \frac{1}{2} note\_wd)$ ;
   $z_1\ 3 = (0, line\_wd - \frac{1}{2} note\_wd)$ ;
   $z_1\ 4 = (0, -note\_ht)$ ;
   $z_1\ 5 = (line\_wd, -note\_ht)$ ;

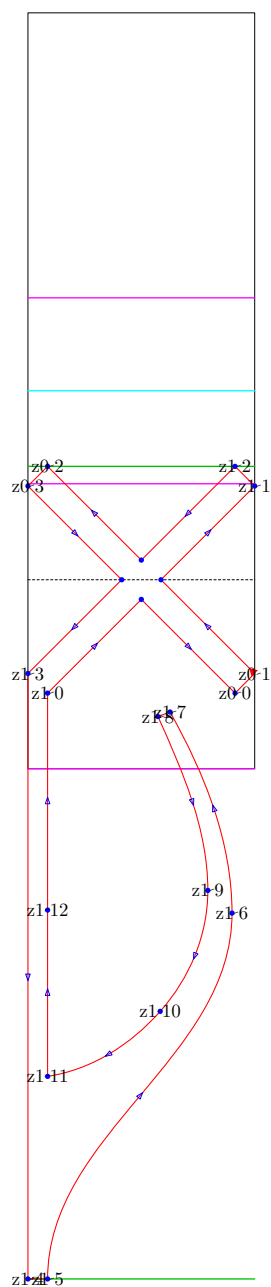
   $p_1 = compose\_path_{z_1}(5)$ ;

  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ;

  fix_vstem( $line\_wd$ )( $r_1$ );
  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c1_9_1");
endglyph;

```

| Konstrukcja znaku c192:



```

beginglyph(c 1_9_2);
  save  $\tilde{\phantom{x}}$ ,  $p$ ; path  $p[]$ ;

  def  $\tilde{\phantom{x}}$  expr  $q == (\text{xpart } q, -50 + \text{ypart } q)$  enddef;

   $z_{0\ 0} = (\text{note\_wd} - \text{line\_wd}, 0 - \frac{1}{2} \text{note\_wd});$ 
   $z_{0\ 1} = (\text{note\_wd}, \text{line\_wd} - \frac{1}{2} \text{note\_wd});$ 
   $z_{0\ 2} = (\text{line\_wd}, \frac{1}{2} \text{note\_wd});$ 
   $z_{0\ 3} = (0, \frac{1}{2} \text{note\_wd} - \text{line\_wd});$ 
   $p_0 = \text{compose\_path}_{z_0}(3);$ 

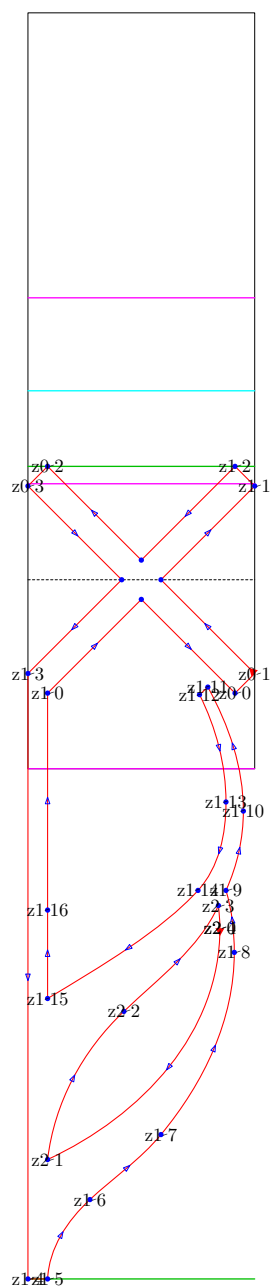
   $z_{1\ 0} = (\text{line\_wd}, -\frac{1}{2} \text{note\_wd});$ 
   $z_{1\ 1} = (\text{note\_wd}, \frac{1}{2} \text{note\_wd} - \text{line\_wd});$ 
   $z_{1\ 2} = (\text{note\_wd} - \text{line\_wd}, \frac{1}{2} \text{note\_wd});$ 
   $z_{1\ 3} = (0, \text{line\_wd} - \frac{1}{2} \text{note\_wd});$ 
   $z_{1\ 4} = (0, -\text{note\_ht});$ 
   $z_{1\ 5} = (\text{line\_wd}, -\text{note\_ht});$   $z_{1\ 5a} = (\text{line\_wd}, -683);$   $z_{1\ 6b} = (270, -583);$ 
   $z_{1\ 6} = (270, -391);$   $z_{1\ 6a} = (270, -297);$   $z_{1\ 7b} = (234, -207);$ 
   $z_{1\ 7} = (188, -125);$   $z_{1\ 7a} = (183, -127);$   $z_{1\ 8b} = (177, -129);$ 
   $z_{1\ 8} = (172, -131);$   $z_{1\ 8a} = (205, -204);$   $z_{1\ 9b} = (238, -280);$ 
   $z_{1\ 9} = (238, -361);$   $z_{1\ 9a} = (238, -420);$   $z_{1\ 10b} = (214, -477);$ 
   $z_{1\ 10} = (175, -521);$   $z_{1\ 10a} = (135, -566);$   $z_{1\ 11b} = (84, -598);$ 
   $z_{1\ 11} = (\text{line\_wd}, -607);$ 
   $z_{1\ 12} = (\text{line\_wd}, -\frac{1}{2} \text{note\_ht});$ 
   $p_1 = \text{compose\_path}_{z_1}(12);$ 

  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ;

  fix_vstem( $\text{line\_wd}$ )( $r_1$ );
  fix_vstem(32)( $r_1$ )candidate_list( $x$ )(238, 270);
  ghost_stem top, bot;
  standard_exact_hsbw("c1_9_2");
endglyph;

```

| Konstrukcja znaku c193:



```

beginglyph(c 1_9_3);
  save  $\tilde{\phantom{x}}$ ,  $p$ ; path  $p[]$ ;

  def  $\tilde{\phantom{x}}$  expr  $q ==$  (xpart  $q$ ,  $-50 +$  ypart  $q$ ) enddef;

   $z_{0\ 0} = (\text{note\_wd} - \text{line\_wd}, 0 - \frac{1}{2} \text{note\_wd});$ 
   $z_{0\ 1} = (\text{note\_wd}, \text{line\_wd} - \frac{1}{2} \text{note\_wd});$ 
   $z_{0\ 2} = (\text{line\_wd}, \frac{1}{2} \text{note\_wd});$ 
   $z_{0\ 3} = (0, \frac{1}{2} \text{note\_wd} - \text{line\_wd});$ 
   $p_0 = \text{compose\_path}_{z_0}(3);$ 

   $z_{1\ 0} = (\text{line\_wd}, -\frac{1}{2} \text{note\_wd});$ 
   $z_{1\ 1} = (\text{note\_wd}, \frac{1}{2} \text{note\_wd} - \text{line\_wd});$ 
   $z_{1\ 2} = (\text{note\_wd} - \text{line\_wd}, \frac{1}{2} \text{note\_wd});$ 
   $z_{1\ 3} = (0, \text{line\_wd} - \frac{1}{2} \text{note\_wd});$ 
   $z_{1\ 4^-} (0, -\text{note\_ht});$ 
   $z_{1\ 5^-} (\text{line\_wd}, -\text{note\_ht});$   $z_{1\ 5a^-} (28, -834);$   $z_{1\ 6b^-} (52, -798);$ 
   $z_{1\ 6^-} (82, -770);$   $z_{1\ 6a^-} (113, -741);$   $z_{1\ 7b^-} (149, -717);$ 
   $z_{1\ 7^-} (176, -684);$   $z_{1\ 7a^-} (233, -615);$   $z_{1\ 8b^-} (273, -532);$ 
   $z_{1\ 8^-} (273, -443);$   $z_{1\ 8a^-} (273, -415);$   $z_{1\ 9b^-} (270, -388);$ 
   $z_{1\ 9^-} (262, -361);$   $z_{1\ 9a^-} (277, -328);$   $z_{1\ 10b^-} (285, -292);$ 
   $z_{1\ 10^-} (285, -256);$   $z_{1\ 10a^-} (285, -198);$   $z_{1\ 11b^-} (266, -143);$ 
   $z_{1\ 11^-} (238, -92);$   $z_{1\ 11a^-} (234, -95);$   $z_{1\ 12b^-} (231, -99);$ 
   $z_{1\ 12^-} (227, -102);$   $z_{1\ 12a^-} (249, -146);$   $z_{1\ 13b^-} (262, -195);$ 
   $z_{1\ 13^-} (262, -244);$   $z_{1\ 13a^-} (262, -287);$   $z_{1\ 14b^-} (253, -330);$ 
   $z_{1\ 14^-} (225, -361);$   $z_{1\ 14a^-} (177, -414);$   $z_{1\ 15b^-} (96, -462);$ 
   $z_{1\ 15^-} (\text{line\_wd}, -504);$ 
   $z_{1\ 16} = (\text{line\_wd}, -\frac{1}{2} \text{note\_ht});$ 
   $p_1 = \text{compose\_path}_{z_1}(16);$ 

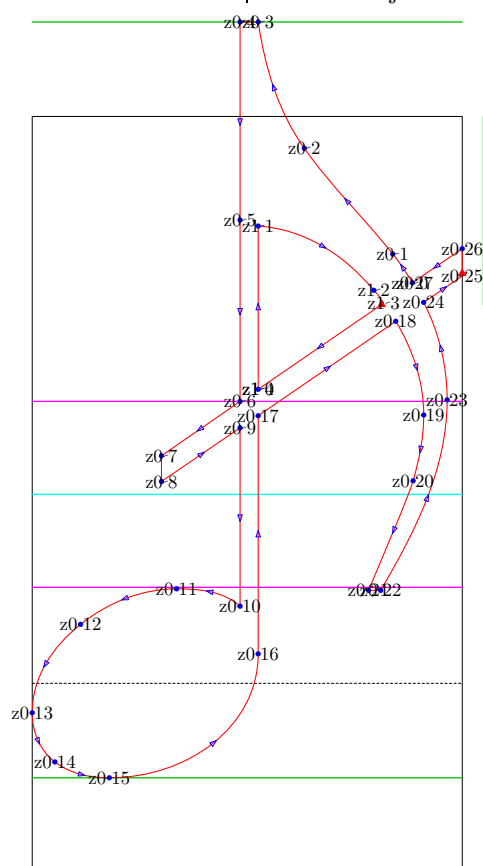
   $z_{2\ 0^-} (254, -411);$   $z_{2\ 0a^-} (254, -549);$   $z_{2\ 1b^-} (151, -659);$ 
   $z_{2\ 1^-} (\text{line\_wd}, -717);$   $z_{2\ 1a^-} (35, -642);$   $z_{2\ 2b^-} (72, -573);$ 
   $z_{2\ 2^-} (127, -521);$   $z_{2\ 2a^-} (174, -476);$   $z_{2\ 3b^-} (226, -438);$ 
   $z_{2\ 3^-} (252, -381);$   $z_{2\ 3a^-} (253, -391);$   $z_{2\ 4b^-} (254, -401);$ 
   $z_{2\ 4^-} (254, -411);$ 
   $p_2 = \text{compose\_path}_{z_2}(4);$ 

  find_outlines( $p_0, p_1$ )( $r$ ); Fill  $r_1$ ; unFill  $p_2$ ;

  fix_vstem( $\text{line\_wd}$ )( $r_1$ );
  fix_vstem(32)( $r_1$ )candidate_list( $x$ )(238, 270);
  fix_vstem(23)( $r_1, p_2$ )candidate_list( $x$ )(262, 285);
  ghost_stem top, bot;
  standard_exact_hsbw("c1_9_3");
endglyph;

```

| Konstrukcja znaku c196:



```

beginlyph(c 1_9_6);
  save p; path p[];

  z0 0 = (503, 530); z0 0a = (495, 543); z0 1b = (487, 556);
  z0 1 = (477, 568); z0 1a = (439, 616); z0 2b = (395, 658);
  z0 2 = (360, 708); z0 2a = (325, 757); z0 3b = (308, 815);
  z0 3 = (299, 875);
  z0 4 = (275, 875);
  z0 5 = (275, 613);
  z0 6 = (275, 373); z0 6a = (216, 332); z0 7b = (171, 301);
  z0 7 = (171, 301);
  z0 8 = (171, 267); z0 8a = (171, 267); z0 9b = (216, 297);
  z0 9 = (275, 338);
  z0 10 = (275, 102); z0 10a = (253, 122); z0 11b = (221, 125);
  z0 11 = (191, 125); z0 11a = (145, 125); z0 12b = (100, 107);
  z0 12 = (64, 78); z0 12a = (27, 49); z0 13b = (0, 8);
  z0 13 = (0, -39); z0 13a = (0, -64); z0 14b = (10, -89);
  z0 14 = (30, -104); z0 14a = (51, -120); z0 15b = (76, -125);
  z0 15 = (102, -125); z0 15a = (205, -125); z0 16b = (299, -58);
  z0 16 = (299, 39);
  z0 17 = (299, 354); z0 17a = (358, 395); z0 18b = (428, 443);
  z0 18 = (481, 479); z0 18a = (504, 441); z0 19b = (518, 399);
  z0 19 = (518, 355); z0 19a = (518, 325); z0 20b = (512, 296);
  z0 20 = (504, 268); z0 20a = (496, 242); z0 21b = (465, 171);
  z0 21 = (445, 123);
  z0 22 = (461, 123); z0 22a = (507, 201); z0 23b = (549, 284);
  z0 23 = (549, 375); z0 23a = (549, 421); z0 24b = (538, 465);
  z0 24 = (518, 504); z0 24a = (546, 523); z0 25b = (569, 539);
  z0 25 = (569, 539);
  z0 26 = (569, 575); z0 26a = (563, 571); z0 27b = (538, 554);
  z0 27 = (503, 530);
  p0 = compose_path_z0(27);

  z1 0 = (299, 389);
  z1 1 = (299, 605); z1 1a = (360, 601); z1 2b = (413, 567);
  z1 2 = (452, 520); z1 2a = (457, 515); z1 3b = (461, 509);
  z1 3 = (465, 503); z1 3a = (414, 468); z1 4b = (353, 426);
  z1 4 = (299, 389);
  p1 = compose_path_z1(4);

  correct_path_directions(p0, p1)(p);

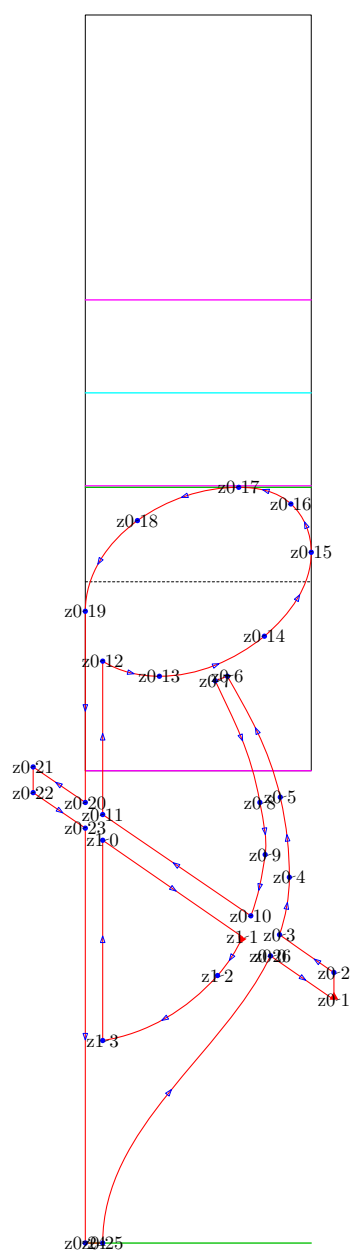
  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;

  fix_hstem(250)(p0, p1)candidate_list(y)(-125, 125);
  fix_vstem(31)(p0, p1)candidate_list(x)(518, 549);
  fix_vstem(24)(p0, p1)candidate_list(x)(275, 299);
  ghost_stem top;
  standard_exact_hsbw("c1_9_6");
endglyph;

```

Construction of the character c197:

| Konstrukcja znaku c197:



```

beginlyph(c 1_9_7);
  save p; path p[];

  z0 0 = (245, -495); z0 0a = (293, -528); z0 1b = (327, -552);
  z0 1 = (329, -553);
  z0 2 = (329, -517); z0 2a = (327, -516); z0 3b = (298, -496);
  z0 3 = (257, -467); z0 3a = (265, -443); z0 4b = (270, -418);
  z0 4 = (270, -391); z0 4a = (270, -357); z0 5b = (267, -325);
  z0 5 = (258, -285); z0 5a = (243, -219); z0 6b = (215, -173);
  z0 6 = (188, -125); z0 6a = (183, -127); z0 7b = (177, -129);
  z0 7 = (172, -131); z0 7a = (196, -183); z0 8b = (219, -223);
  z0 8 = (231, -292); z0 8a = (236, -319); z0 9b = (241, -340);
  z0 9 = (238, -361); z0 9a = (234, -389); z0 10b = (229, -417);
  z0 10 = (219, -442); z0 10a = (158, -400); z0 11b = (81, -348);
  z0 11 = (23, -308);
  z0 12 = (23, -105); z0 12a = (45, -119); z0 13b = (72, -125);
  z0 13 = (98, -125); z0 13a = (149, -125); z0 14b = (197, -104);
  z0 14 = (237, -72); z0 14a = (271, -43); z0 15b = (299, -5);
  z0 15 = (299, 39); z0 15a = (299, 63); z0 16b = (290, 87);
  z0 16 = (272, 103); z0 16a = (254, 120); z0 17b = (228, 125);
  z0 17 = (203, 125); z0 17a = (155, 125); z0 18b = (108, 109);
  z0 18 = (69, 81); z0 18a = (29, 52); z0 19b = (0, 9);
  z0 19 = (0, -39); z0 19a = (0, -39); z0 20b = (0, -292);
  z0 20 = (0, -292); z0 20a = (-41, -264); z0 21b = (-69, -245);
  z0 21 = (-69, -245);
  z0 22 = (-69, -279); z0 22a = (-69, -279); z0 23b = (-41, -299);
  z0 23 = (0, -326); z0 23a = (0, -326); z0 24b = (0, -875);
  z0 24 = (0, -875);
  z0 25 = (23, -875); z0 25a = (23, -721); z0 26b = (182, -626);
  z0 26 = (245, -495);
  p0 = compose_path_z0(26);

  z1 0 = (23, -342); z1 0a = (78, -380); z1 1b = (148, -429);
  z1 1 = (208, -470); z1 1a = (200, -488); z1 2b = (189, -505);
  z1 2 = (175, -521); z1 2a = (135, -566); z1 3b = (82, -598);
  z1 3 = (23, -607);
  p1 = compose_path_z1(3);

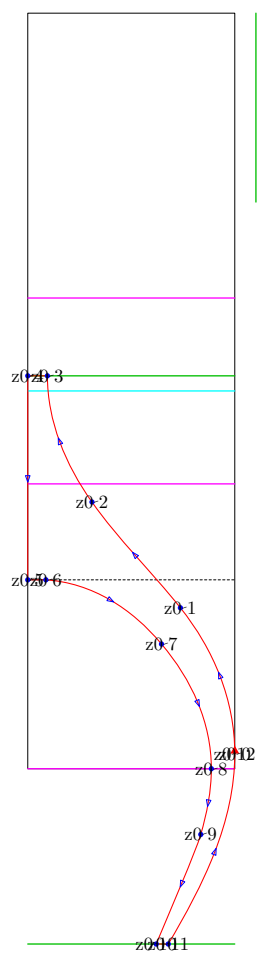
  correct_path_directions(p0, p1)(p);

  if turningnumber p0 > 0: Fill else: unFill fi p0;
  if turningnumber p1 > 0: Fill else: unFill fi p1;

  fix_hstem(250)(p0, p1)candidate_list(y)(-125, 125);
  fix_vstem(23)(p0, p1)candidate_list(x)(0, 23);
  standard_exact_hsbw("c1_9_7");
endglyph;

```

| Konstrukcja znaku c200:



```

beginglyph(c 2_0_0);
  save  $p$ ; path  $p[]$ ;

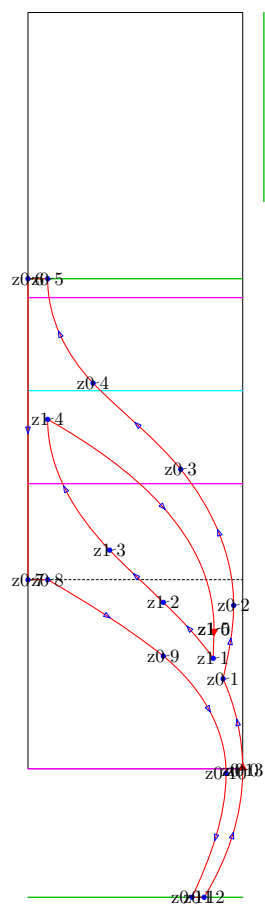
   $z_{0\ 0} = (274, -230)$ ;  $z_{0\ 0a} = (274, -159)$ ;  $z_{0\ 1b} = (246, -92)$ ;
   $z_{0\ 1} = (202, -37)$ ;  $z_{0\ 1a} = (164, 11)$ ;  $z_{0\ 2b} = (120, 53)$ ;
   $z_{0\ 2} = (85, 103)$ ;  $z_{0\ 2a} = (50, 152)$ ;  $z_{0\ 3b} = (line\_wd, 210)$ ;
   $z_{0\ 3} = (line\_wd, 270)$ ;
   $z_{0\ 4} = (0, 270)$ ;
   $z_{0\ 5} = (0, 0)$ ;
   $z_{0\ 6} = (24, 0)$ ;  $z_{0\ 6a} = (85, -4)$ ;  $z_{0\ 7b} = (138, -38)$ ;
   $z_{0\ 7} = (177, -85)$ ;  $z_{0\ 7a} = (217, -132)$ ;  $z_{0\ 8b} = (243, -189)$ ;
   $z_{0\ 8} = (243, -250)$ ;  $z_{0\ 8a} = (243, -280)$ ;  $z_{0\ 9b} = (237, -309)$ ;
   $z_{0\ 9} = (229, -337)$ ;  $z_{0\ 9a} = (221, -363)$ ;  $z_{0\ 10b} = (190, -434)$ ;
   $z_{0\ 10} = (170, -482)$ ;
   $z_{0\ 11} = (186, -482)$ ;  $z_{0\ 11a} = (232, -404)$ ;  $z_{0\ 12b} = (274, -321)$ ;
   $z_{0\ 12} = (274, -230)$ ;
   $p_0 = compose\_path_{z_0}(12)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(270)( $p_0$ ) $candidate\_list(y)(0, 270)$ ;
  fix_vstem(31)( $p_0$ ) $candidate\_list(x)(243, 274)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ );
  standard_exact_hsbw("c2_0_0");
endglyph;

```

Construction of the character c_{201} :| Konstrukcja znaku c_{201} :

```

beginglyph(c 2_0_1);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (284, -252)$ ;  $z_{0\ 0a} = (284, -210)$ ;  $z_{0\ 1b} = (275, -169)$ ;
   $z_{0\ 1} = (258, -131)$ ;  $z_{0\ 1a} = (265, -99)$ ;  $z_{0\ 2b} = (272, -67)$ ;
   $z_{0\ 2} = (272, -34)$ ;  $z_{0\ 2a} = (272, 32)$ ;  $z_{0\ 3b} = (244, 94)$ ;
   $z_{0\ 3} = (202, 146)$ ;  $z_{0\ 3a} = (168, 188)$ ;  $z_{0\ 4b} = (124, 221)$ ;
   $z_{0\ 4} = (86, 260)$ ;  $z_{0\ 4a} = (50, 298)$ ;  $z_{0\ 5b} = (line\_wd, 346)$ ;
   $z_{0\ 5} = (line\_wd, 398)$ ;
   $z_{0\ 6} = (0, 398)$ ;
   $z_{0\ 7} = (0, 0)$ ;
   $z_{0\ 8} = (line\_wd, 0)$ ;  $z_{0\ 8a} = (78, -30)$ ;  $z_{0\ 9b} = (131, -63)$ ;
   $z_{0\ 9} = (179, -101)$ ;  $z_{0\ 9a} = (227, -140)$ ;  $z_{0\ 10b} = (262, -195)$ ;
   $z_{0\ 10} = (262, -256)$ ;  $z_{0\ 10a} = (262, -313)$ ;  $z_{0\ 11b} = (241, -368)$ ;
   $z_{0\ 11} = (217, -420)$ ;
   $z_{0\ 12} = (233, -420)$ ;  $z_{0\ 12a} = (264, -369)$ ;  $z_{0\ 13b} = (284, -312)$ ;
   $z_{0\ 13} = (284, -252)$ ;
   $p_0 = compose\_path_{z_0}(13)$ ;

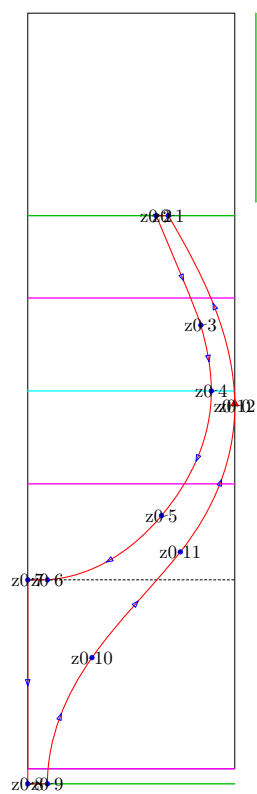
   $z_{1\ 0} = (246, -65)$ ;  $z_{1\ 0a} = (246, -78)$ ;  $z_{1\ 1b} = (245, -91)$ ;
   $z_{1\ 1} = (245, -104)$ ;  $z_{1\ 1a} = (226, -77)$ ;  $z_{1\ 2b} = (203, -53)$ ;
   $z_{1\ 2} = (179, -30)$ ;  $z_{1\ 2a} = (156, -7)$ ;  $z_{1\ 3b} = (131, 15)$ ;
   $z_{1\ 3} = (108, 39)$ ;  $z_{1\ 3a} = (62, 87)$ ;  $z_{1\ 4b} = (26, 146)$ ;
   $z_{1\ 4} = (line\_wd, 212)$ ;  $z_{1\ 4a} = (137, 149)$ ;  $z_{1\ 5b} = (246, 61)$ ;
   $z_{1\ 5} = (246, -65)$ ;
   $p_1 = compose\_path_{z_1}(5)$ ;

   $correct\_path\_directions(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_vstem(22)( $p_0, p_1$ ) $candidate\_list(x)(262, 284)$ ;
  fix_vstem( $line\_wd$ )( $p_0, p_1$ ) $candidate\_list(x)(0, line\_wd)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c2_0_1");
endglyph;

```

Construction of the character c_{202} :| Konstrukcja znaku c_{202} :

```

beginglyph(c 2_0_2);
  save  $p$ ; path  $p[]$ ;

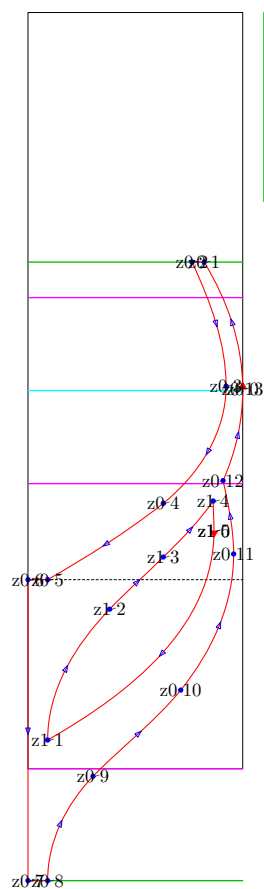
   $z_{0\ 0} = (274, 230)$ ;  $z_{0\ 0a} = (274, 321)$ ;  $z_{0\ 1b} = (232, 404)$ ;
   $z_{0\ 1} = (186, 482)$ ;
   $z_{0\ 2} = (170, 482)$ ;  $z_{0\ 2a} = (190, 434)$ ;  $z_{0\ 3b} = (221, 363)$ ;
   $z_{0\ 3} = (229, 337)$ ;  $z_{0\ 3a} = (237, 309)$ ;  $z_{0\ 4b} = (243, 280)$ ;
   $z_{0\ 4} = (243, 250)$ ;  $z_{0\ 4a} = (243, 189)$ ;  $z_{0\ 5b} = (217, 132)$ ;
   $z_{0\ 5} = (177, 85)$ ;  $z_{0\ 5a} = (138, 38)$ ;  $z_{0\ 6b} = (85, 4)$ ;
   $z_{0\ 6} = (line\_wd, 0)$ ;
   $z_{0\ 7} = (0, 0)$ ;
   $z_{0\ 8} = (0, -270)$ ;
   $z_{0\ 9} = (line\_wd, -270)$ ;  $z_{0\ 9a} = (line\_wd, -210)$ ;  $z_{0\ 10b} = (50, -152)$ ;
   $z_{0\ 10} = (85, -103)$ ;  $z_{0\ 10a} = (120, -53)$ ;  $z_{0\ 11b} = (164, -11)$ ;
   $z_{0\ 11} = (202, 37)$ ;  $z_{0\ 11a} = (246, 92)$ ;  $z_{0\ 12b} = (274, 159)$ ;
   $z_{0\ 12} = (274, 230)$ ;
   $p_0 = compose\_path_{z_0}(12)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(270)( $p_0$ ) $candidate\_list(y)(-270, 0)$ ;
  fix_vstem(31)( $p_0$ ) $candidate\_list(x)(243, 274)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ );
  ghost_stem  $top$ ;
  standard_exact_hsbw("c2_0_2");
endglyph;

```

Construction of the character c_{203} :| Konstrukcja znaku c_{203} :

```

beginglyph(c 2_0_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (284, 252)$ ;  $z_{0\ 0a} = (284, 312)$ ;  $z_{0\ 1b} = (264, 369)$ ;
   $z_{0\ 1} = (233, 420)$ ;
   $z_{0\ 2} = (217, 420)$ ;  $z_{0\ 2a} = (241, 368)$ ;  $z_{0\ 3b} = (262, 313)$ ;
   $z_{0\ 3} = (262, 256)$ ;  $z_{0\ 3a} = (262, 195)$ ;  $z_{0\ 4b} = (227, 140)$ ;
   $z_{0\ 4} = (179, 101)$ ;  $z_{0\ 4a} = (131, 63)$ ;  $z_{0\ 5b} = (78, 30)$ ;
   $z_{0\ 5} = (line\_wd, 0)$ ;
   $z_{0\ 6} = (0, 0)$ ;
   $z_{0\ 7} = (0, -398)$ ;
   $z_{0\ 8} = (line\_wd, -398)$ ;  $z_{0\ 8a} = (line\_wd, -346)$ ;  $z_{0\ 9b} = (50, -298)$ ;
   $z_{0\ 9} = (86, -260)$ ;  $z_{0\ 9a} = (124, -221)$ ;  $z_{0\ 10b} = (168, -188)$ ;
   $z_{0\ 10} = (202, -146)$ ;  $z_{0\ 10a} = (244, -94)$ ;  $z_{0\ 11b} = (272, -32)$ ;
   $z_{0\ 11} = (272, 34)$ ;  $z_{0\ 11a} = (272, 67)$ ;  $z_{0\ 12b} = (265, 99)$ ;
   $z_{0\ 12} = (258, 131)$ ;  $z_{0\ 12a} = (275, 169)$ ;  $z_{0\ 13b} = (284, 210)$ ;
   $z_{0\ 13} = (284, 252)$ ;
   $p_0 = compose\_path_{z_0}(13)$ ;

   $z_{1\ 0} = (246, 65)$ ;  $z_{1\ 0a} = (246, -61)$ ;  $z_{1\ 1b} = (137, -149)$ ;
   $z_{1\ 1} = (line\_wd, -212)$ ;  $z_{1\ 1a} = (26, -146)$ ;  $z_{1\ 2b} = (62, -87)$ ;
   $z_{1\ 2} = (108, -39)$ ;  $z_{1\ 2a} = (131, -15)$ ;  $z_{1\ 3b} = (156, 7)$ ;
   $z_{1\ 3} = (179, 30)$ ;  $z_{1\ 3a} = (203, 53)$ ;  $z_{1\ 4b} = (226, 77)$ ;
   $z_{1\ 4} = (245, 104)$ ;  $z_{1\ 4a} = (245, 91)$ ;  $z_{1\ 5b} = (246, 78)$ ;
   $z_{1\ 5} = (246, 65)$ ;
   $p_1 = compose\_path_{z_1}(5)$ ;

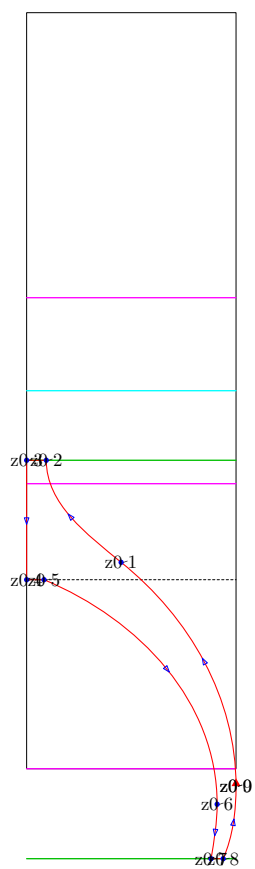
   $correct\_path\_directions(p_0, p_1)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_vstem(22)( $p_0, p_1$ ) $candidate\_list(x)(262, 284)$ ;
  fix_vstem( $line\_wd$ )( $p_0, p_1$ ) $candidate\_list(x)(0, line\_wd)$ ;
  ghost_stem top;
  standard_exact_hsbw("c2_0_3");
endglyph;

```

| Konstrukcja znaku c204:



```

beginglyph(c 2_0_4);
  save  $p$ ; path  $p[]$ ;

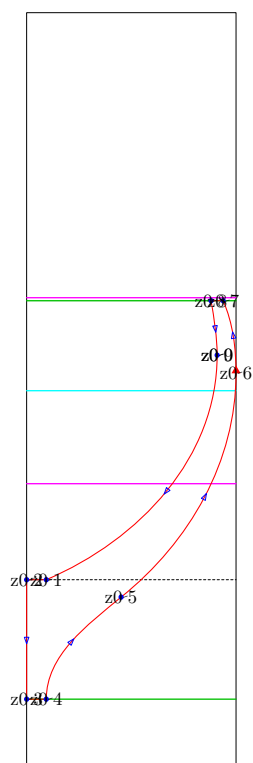
   $z_{0\ 0} = (277, -273)$ ;  $z_{0\ 0a} = (277, -157)$ ;  $z_{0\ 1b} = (216, -50)$ ;
   $z_{0\ 1} = (125, 23)$ ;  $z_{0\ 1a} = (80, 60)$ ;  $z_{0\ 2b} = (line\_wd, 100)$ ;
   $z_{0\ 2} = (line\_wd, 158)$ ;
   $z_{0\ 3} = (0, 158)$ ;
   $z_{0\ 4} = (0, 0)$ ;
   $z_{0\ 5} = (23, 0)$ ;  $z_{0\ 5a} = (150, -53)$ ;  $z_{0\ 6b} = (252, -162)$ ;
   $z_{0\ 6} = (252, -297)$ ;  $z_{0\ 6a} = (252, -321)$ ;  $z_{0\ 7b} = (248, -345)$ ;
   $z_{0\ 7} = (244, -369)$ ;
   $z_{0\ 8} = (260, -369)$ ;  $z_{0\ 8a} = (273, -339)$ ;  $z_{0\ 9b} = (277, -306)$ ;
   $z_{0\ 9} = (277, -273)$ ;
   $p_0 = compose\_path_{z_0}(9)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(158)( $p_0$ ) $candidate\_list(y)(0, 158)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(0, line\_wd)$ ;
  fix_vstem(25)( $p_0$ ) $candidate\_list(x)(252, 277)$ ;
  standard_exact_hsbw("c2_0_4");
endglyph;

```

Construction of the character c_{205} :| Konstrukcja znaku c_{205} :

```

beginglyph(c 2_0_5);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (252, 297)$ ;  $z_{0\ 0a} = (252, 162)$ ;  $z_{0\ 1b} = (150, 53)$ ;
   $z_{0\ 1} = (line\_wd, 0)$ ;
   $z_{0\ 2} = (0, 0)$ ;
   $z_{0\ 3} = (0, -158)$ ;
   $z_{0\ 4} = (line\_wd, -158)$ ;  $z_{0\ 4a} = (line\_wd, -100)$ ;  $z_{0\ 5b} = (80, -60)$ ;
   $z_{0\ 5} = (125, -23)$ ;  $z_{0\ 5a} = (216, 50)$ ;  $z_{0\ 6b} = (277, 157)$ ;
   $z_{0\ 6} = (277, 273)$ ;  $z_{0\ 6a} = (277, 306)$ ;  $z_{0\ 7b} = (273, 339)$ ;
   $z_{0\ 7} = (260, 369)$ ;
   $z_{0\ 8} = (244, 369)$ ;  $z_{0\ 8a} = (248, 345)$ ;  $z_{0\ 9b} = (252, 321)$ ;
   $z_{0\ 9} = (252, 297)$ ;
   $p_0 = compose\_path_{z_0}(9)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

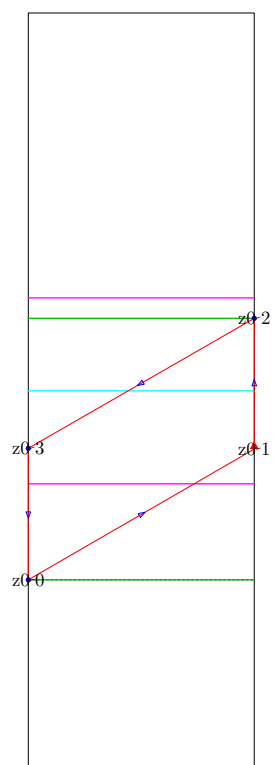
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(158)( $p_0$ ) $candidate\_list(y)(-158, 0)$ ;
  fix_vstem( $line\_wd$ )( $p_0$ ) $candidate\_list(x)(0, line\_wd)$ ;
  fix_vstem(25)( $p_0$ ) $candidate\_list(x)(252, 277)$ ;
  ghost_stem  $top$ ;
  standard_exact_hsbw("c2_0_5");
endglyph;

```

Construction of the character c_{206} :

| Konstrukcja znaku c_{206} :



```

beginglyph(c 2_0_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 0)$ ;
   $z_{0\ 1} = (299, 173)$ ;
   $z_{0\ 2} = (299, 346)$ ;
   $z_{0\ 3} = (0, 174)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

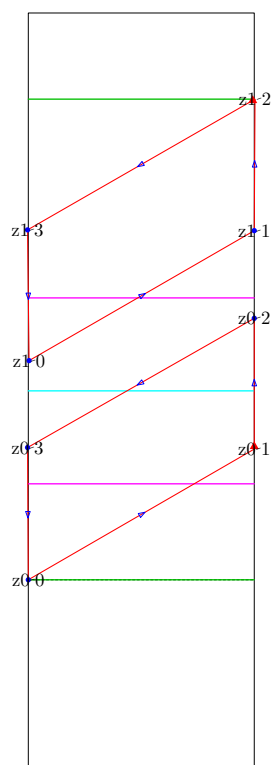
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  ghost_stem  $bot$ ;
  standard_exact_hsbw("c2_0_6");
endglyph;

```

Construction of the character c207:

| Konstrukcja znaku c207:



```

beginglyph(c 2_0_7);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 0)$ ;
   $z_{0\ 1} = (299, 173)$ ;
   $z_{0\ 2} = (299, 346)$ ;
   $z_{0\ 3} = (-1, 175)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (1, 290)$ ;
   $z_{1\ 1} = (299, 462)$ ;
   $z_{1\ 2} = (300, 636)$ ;
   $z_{1\ 3} = (-1, 463)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

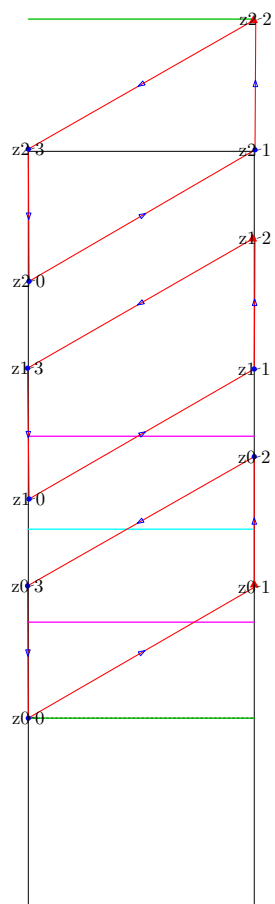
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c2_0_7");
endglyph;

```

Construction of the character c208:

| Konstrukcja znaku c208:



```

beginglyph(c 2_0_8);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, 0)$ ;
   $z_{0\ 1} = (299, 173)$ ;
   $z_{0\ 2} = (299, 346)$ ;
   $z_{0\ 3} = (-1, 175)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $z_{1\ 0} = (1, 290)$ ;
   $z_{1\ 1} = (299, 462)$ ;
   $z_{1\ 2} = (300, 636)$ ;
   $z_{1\ 3} = (-1, 463)$ ;
   $p_1 = \text{compose\_path}_{z_1}(3)$ ;

   $z_{2\ 0} = (1, 578)$ ;
   $z_{2\ 1} = (300, 752)$ ;
   $z_{2\ 2} = (301, 925)$ ;
   $z_{2\ 3} = (0, 753)$ ;
   $p_2 = \text{compose\_path}_{z_2}(3)$ ;

   $\text{correct\_path\_directions}(p_0, p_1, p_2)(p)$ ;

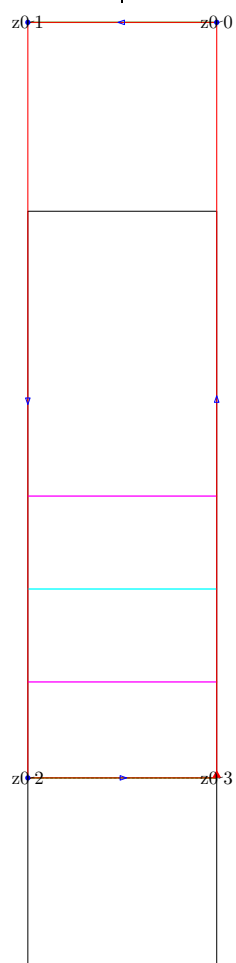
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;
  if turningnumber  $p_2 > 0$ : Fill else: unFill fi  $p_2$ ;

  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c2_0_8");
endglyph;

```

Construction of the character c_{210} :

| Konstrukcja znaku c_{210} :



```

beginglyph(c 2_1_0);
  save  $p$ ; path  $p[]$ ;

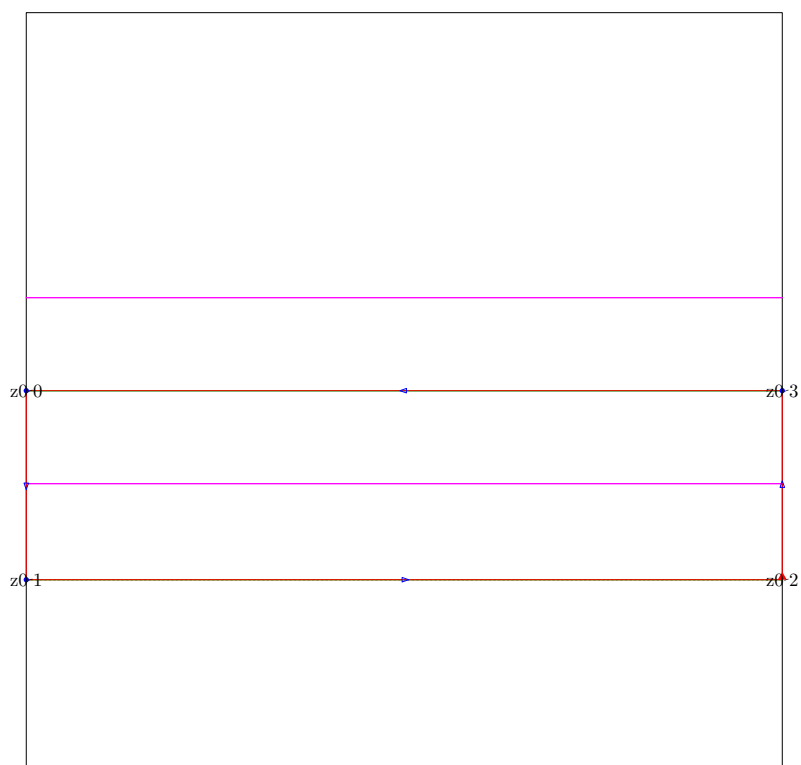
   $z_{0\ 0} = (250, 1000)$ ;
   $z_{0\ 1} = (0, 1000)$ ;
   $z_{0\ 2} = (0, 0)$ ;
   $z_{0\ 3} = (250, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_vstem(250)( $p_0$ ) $\text{candidate\_list}(x)(0, 250)$ ;
  ghost_stem  $\text{top}, \text{bot}$ ;
  standard_exact_hsbw("c2_1_0");
endglyph;

```

Construction of the character c_{211} :| Konstrukcja znaku c_{211} :

```

beginglyph(c 2_1_1);
  save  $p$ ; path  $p[]$ ;

   $z_0\ 0 = (0, 250)$ ;
   $z_0\ 1 = (0, 0)$ ;
   $z_0\ 2 = (1000, 0)$ ;
   $z_0\ 3 = (1000, 250)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

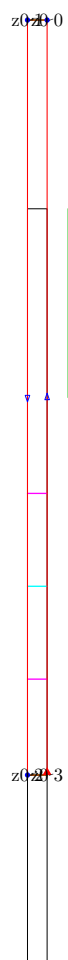
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_hstem(250)( $p_0$ ) $\text{candidate\_list}(y)(0, 250)$ ;
  standard_exact_hsbw("c2_1_1");
endglyph;

```

Construction of the character c_{212} :

| Konstrukcja znaku c_{212} :



```

beginglyph(c 2_1_2);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (line\_wd, 1000)$ ;
   $z_{0\ 1} = (0, 1000)$ ;
   $z_{0\ 2} = (0, 0)$ ;
   $z_{0\ 3} = (line\_wd, 0)$ ;
   $p_0 = compose\_path_{z_0}(3)$ ;

   $correct\_path\_directions(p_0)(p)$ ;

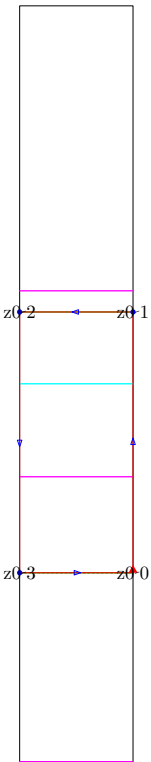
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_vstem(26)( $p_0$ ) $candidate\_list(x)(0, 26)$ ;
  ghost_stem  $top, bot$ ;
  standard_exact_hsbw("c2_1_2");
endglyph;

```

Construction of the character c_{213} :

| Konstrukcja znaku c_{213} :



```

beginglyph(c 2_1_3);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (150, 0)$ ;
   $z_{0\ 1} = (150, 345)$ ;
   $z_{0\ 2} = (0, 345)$ ;
   $z_{0\ 3} = (0, 0)$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $\text{correct\_path\_directions}(p_0)(p)$ ;

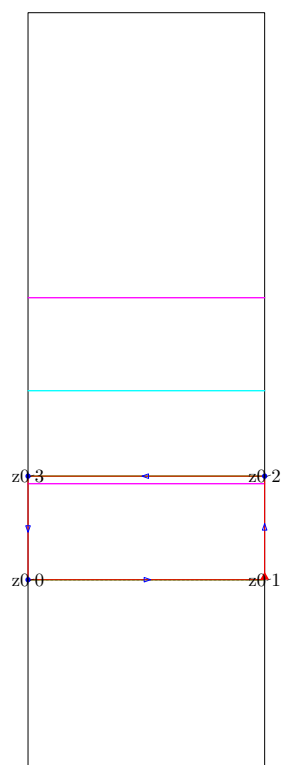
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;

  fix_vstem(150)( $p_0$ ) $\text{candidate\_list}(x)(0, 150)$ ;
  ghost_stem  $bot$ ;
  standard_exact_hsbw("c2_1_3");
endglyph;

```

Construction of the character c_{214} :

| Konstrukcja znaku c_{214} :



```
beginglyph(c 2_1_4);
  save p; path p[];

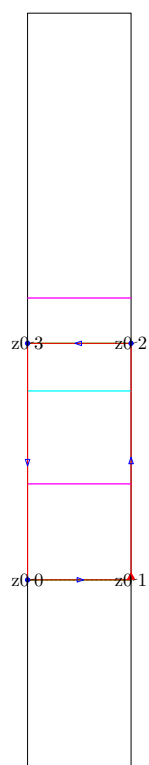
  z0 0 = (0, 0);
  z0 1 = (313, 0);
  z0 2 = (313, 137);
  z0 3 = (0, 137);
  p0 = compose_path_{z0}(3);

  Fill p0;

  fix_hstem(137)(p0);
  fix_vstem(313)(p0);
  standard_exact_hsbw("c2_1_4");
endglyph;
```

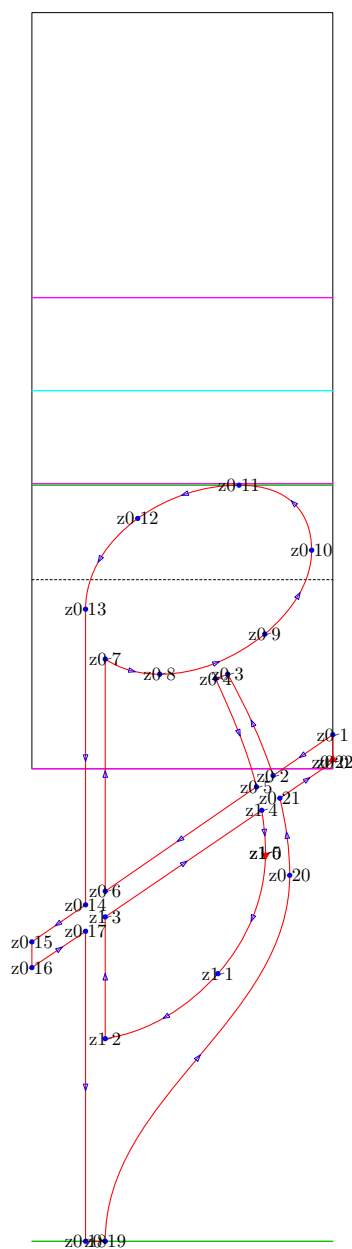
Construction of the character c_{215} :

| Konstrukcja znaku c_{215} :



```
beginnglyph(c 2_1_5);  
  save p; path p[];  
  
  z0 0 = (0, 0);  
  z0 1 = (137, 0);  
  z0 2 = (137, 313);  
  z0 3 = (0, 313);  
  p0 = compose_path_{z0}(3);  
  
  Fill p0;  
  
  fix_hstem(137)(p0);  
  fix_vstem(313)(p0);  
  standard_exact_hsbw("c2_1_5");  
endglyph;
```

| Konstrukcja znaku c216:



```

beginglyph(c 2_1_6);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (398, -241)$ ;
   $z_{0\ 1} = (398, -205)$ ;
   $z_{0\ 2} = (319, -259)$ ;  $z_{0\ 2a} = (304, -213)$ ;  $z_{0\ 3b} = (283, -168)$ ;
   $z_{0\ 3} = (259, -125)$ ;  $z_{0\ 3a} = (254, -127)$ ;  $z_{0\ 4b} = (248, -129)$ ;
   $z_{0\ 4} = (243, -131)$ ;  $z_{0\ 4a} = (264, -177)$ ;  $z_{0\ 5b} = (285, -225)$ ;
   $z_{0\ 5} = (297, -274)$ ;
   $z_{0\ 6} = (97, -412)$ ;
   $z_{0\ 7} = (97, -105)$ ;  $z_{0\ 7a} = (118, -119)$ ;  $z_{0\ 8b} = (143, -125)$ ;
   $z_{0\ 8} = (169, -125)$ ;  $z_{0\ 8a} = (220, -125)$ ;  $z_{0\ 9b} = (268, -104)$ ;
   $z_{0\ 9} = (308, -72)$ ;  $z_{0\ 9a} = (342, -43)$ ;  $z_{0\ 10b} = (370, -5)$ ;
   $z_{0\ 10} = (370, 39)$ ;  $z_{0\ 10a} = (370, 88)$ ;  $z_{0\ 11b} = (341, 125)$ ;
   $z_{0\ 11} = (274, 125)$ ;  $z_{0\ 11a} = (226, 125)$ ;  $z_{0\ 12b} = (179, 109)$ ;
   $z_{0\ 12} = (140, 81)$ ;  $z_{0\ 12a} = (100, 52)$ ;  $z_{0\ 13b} = (71, 9)$ ;
   $z_{0\ 13} = (71, -39)$ ;  $z_{0\ 13a} = (71, -39)$ ;  $z_{0\ 14b} = (71, -430)$ ;
   $z_{0\ 14} = (71, -430)$ ;
   $z_{0\ 15} = (0, -479)$ ;
   $z_{0\ 16} = (0, -513)$ ;
   $z_{0\ 17} = (71, -465)$ ;
   $z_{0\ 18} = (71, -875)$ ;
   $z_{0\ 19} = (97, -875)$ ;  $z_{0\ 19a} = (97, -683)$ ;  $z_{0\ 20b} = (341, -583)$ ;
   $z_{0\ 20} = (341, -391)$ ;  $z_{0\ 20a} = (341, -356)$ ;  $z_{0\ 21b} = (336, -322)$ ;
   $z_{0\ 21} = (328, -289)$ ;  $z_{0\ 21a} = (368, -261)$ ;  $z_{0\ 22b} = (398, -241)$ ;
   $z_{0\ 22} = (398, -241)$ ;
   $p_0 = \text{compose\_path}_{z_0}(22)$ ;

   $z_{1\ 0} = (309, -361)$ ;  $z_{1\ 0a} = (309, -420)$ ;  $z_{1\ 1b} = (285, -477)$ ;
   $z_{1\ 1} = (246, -521)$ ;  $z_{1\ 1a} = (206, -566)$ ;  $z_{1\ 2b} = (155, -598)$ ;
   $z_{1\ 2} = (97, -607)$ ;
   $z_{1\ 3} = (97, -446)$ ;  $z_{1\ 3a} = (97, -446)$ ;  $z_{1\ 4b} = (216, -366)$ ;
   $z_{1\ 4} = (304, -305)$ ;  $z_{1\ 4a} = (307, -324)$ ;  $z_{1\ 5b} = (309, -342)$ ;
   $z_{1\ 5} = (309, -361)$ ;
   $p_1 = \text{compose\_path}_{z_1}(5)$ ;

   $\text{correct\_path\_directions}(p_0, p_1)(p)$ ;

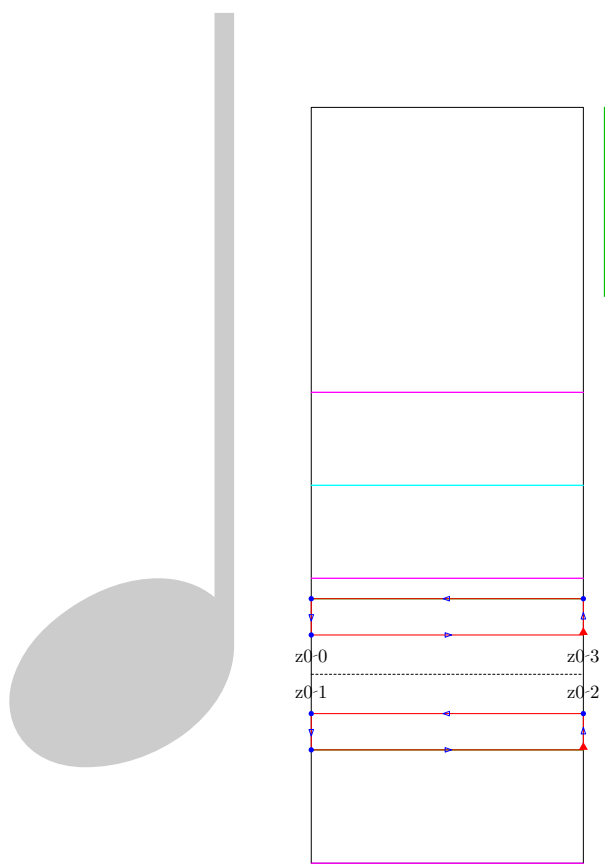
  if turningnumber  $p_0 > 0$ : Fill else: unFill fi  $p_0$ ;
  if turningnumber  $p_1 > 0$ : Fill else: unFill fi  $p_1$ ;

  fix_hstem(250)( $p_0, p_1$ ) $\text{candidate\_list}(y)(-125, 125)$ ;
  fix_vstem(26)( $p_0, p_1$ ) $\text{candidate\_list}(x)(71, 97)$ ;
  fix_vstem(32)( $p_0, p_1$ ) $\text{candidate\_list}(x)(309, 341)$ ;
  standard_exact_hsbw("c2_1_6");
endglyph;

```

Construction of the character c217:

| Konstrukcja znaku c217:



```

beginglyph(c 2_1_7);
  save  $p$ ; path  $p[]$ ;

   $z_{0\ 0} = (0, \frac{1}{2} \text{equal\_line\_wd})$ ;
   $z_{0\ 1} = (0, -\frac{1}{2} \text{equal\_line\_wd})$ ;
   $z_{0\ 2} = (\text{equal\_wd}, -\frac{1}{2} \text{equal\_line\_wd})$ ;
   $z_{0\ 3} = (\text{equal\_wd}, \frac{1}{2} \text{equal\_line\_wd})$ ;
   $p_0 = \text{compose\_path}_{z_0}(3)$ ;

   $p_1 = p_0$  shifted  $(0, \frac{1}{2} (\text{equal\_spread} - \text{equal\_line\_wd}))$ ;
   $p_2 = p_0$  shifted  $(0, -\frac{1}{2} (\text{equal\_spread} - \text{equal\_line\_wd}))$ ;

  Fill  $p_1, p_2$ ;

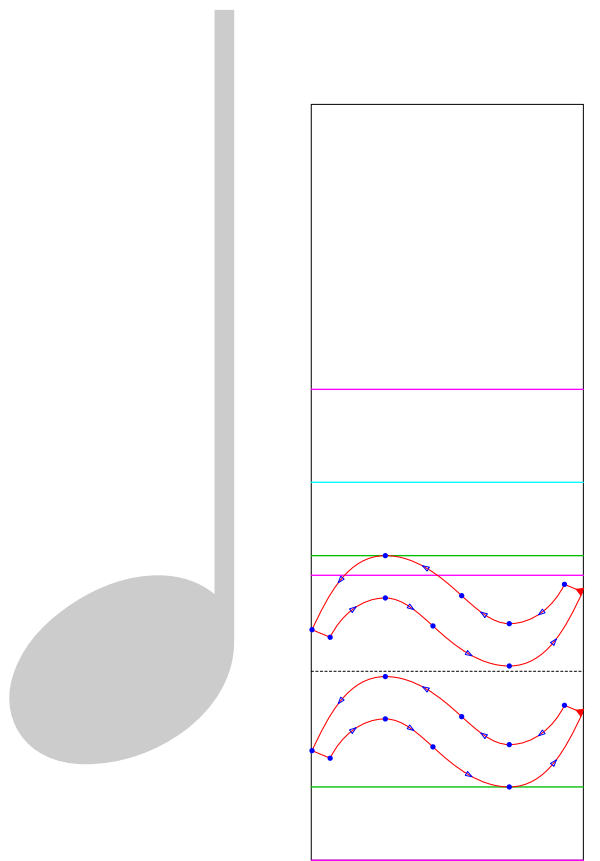
  fill glyph_stored.c 1_7_2[1] shifted  $(-400, 0)$  withcolor .8white; % position test

  fix_hstem(equal_line_wd)( $p_1, p_2$ );
  fix_vstem(equal_wd)( $p_1$ );
  standard_exact_hsbw("c2_1_7");
endglyph;

```

Construction of the character c218:

| Konstrukcja znaku c218:



```

beginglyph(c 2_1_8);
  save d, p, q; path q, p[];

  d := 8;

  z0 = (1/2 line_wd, -30);
  z1 = (1/4 equal_wd + d, round 1/8 equal_wd);
  z2 = (1/2 equal_wd, 0);
  z3 = (3/4 equal_wd - d, - round 1/8 equal_wd);
  z4 = (equal_wd - 1/2 line_wd, 30);

  local default_nib := fix_nib(line_wd, line_wd, 0);
  local equal_line_wd := equal_line_wd + d;
  pen_stroke
  (
    nib(fix_nib(equal_line_wd, equal_line_wd, 0))(1, 2, 3)
    cut(rel 90)(0, last)
  )
  (z0{right rotated 65} .. z1{right} .. z2 .. z3{right} .. {right rotated 65}z4)(q);
endlocal endlocal

  p1 = q shifted (0, 1/2 (d + equal_spread - equal_line_wd));
  p2 = q shifted (0, -1/2 (d + equal_spread - equal_line_wd));

  Fill p1, p2;

  fill glyph_stored.c 1_7_2[1] shifted (-400, 0) withcolor .8white; % position test

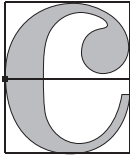
  fix_hstem(equal_line_wd)(p1, p2);
  fix_vstem(equal_wd)(p1);
  standard_exact_hsbw("c2_1_8");
endglyph;
endinput

```

GLYPH LIST: c33 2 c34 4 c35 6 c36 10 c37 12 c38 16 c39 18 c40 20 c41 22 c42 24
c43 26 c44 28 c45 30 c46 34 c48 38 c49 40 c50 42 c51 44 c52 46 c53 48 c54 50
c55 52 c56 54 c57 56 c58 58 c59 60 c60 62 c61 64 c62 66 c63 68 c64 70 c65 72
c66 74 c67 76 c68 78 c69 80 c70 82 c71 84 c72 86 c73 88 c80 90 c81 92 c82 94
c83 96 c84 98 c85 100 c86 102 c87 104 c90 106 c91 108 c92 110 c93 112 c94 114
c95 116 c96 118 c100 120 c101 122 c102 124 c103 126 c104 128 c105 130 c106 132
c107 134 c108 136 c109 138 c110 140 c111 142 c112 144 c113 146 c114 148 c115 150
c116 152 c117 154 c118 156 c119 158 c120 160 c121 162 c122 164 c123 166 c124 168
c130 170 c131 172 c132 176 c133 178 c134 180 c135 182 c136 184 c137 186 c170 188
c171 190 c172 192 c173 194 c174 196 c175 198 c176 200 c180 204 c181 206 c182 208
c183 210 c184 212 c185 214 c186 218 c187 220 c188 222 c191 224 c192 226 c193 228
c196 230 c197 232 c200 234 c201 236 c202 238 c203 240 c204 242 c205 244 c206 246
c207 248 c208 250 c210 252 c211 254 c212 256 c213 258 c214 260 c215 262 c216 264
c217 266 c218 268

TEST FONTU MUCHAI

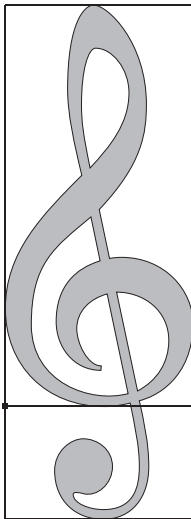
c33



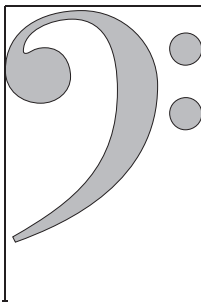
c34



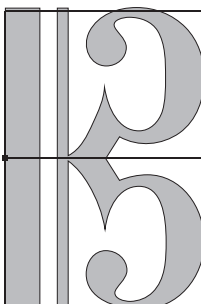
c35



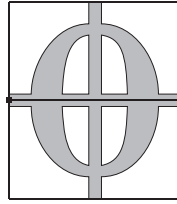
c36



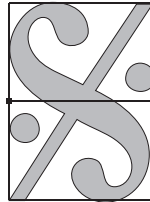
c37



c38



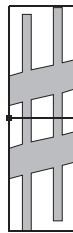
c39



c40



c41



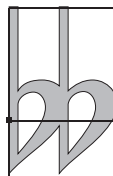
c42



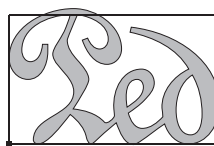
c43



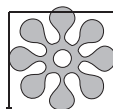
c44



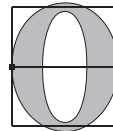
c45



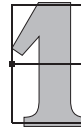
c46



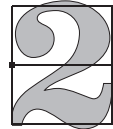
c48



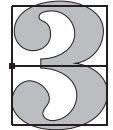
c49



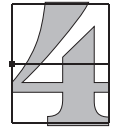
c50



c51



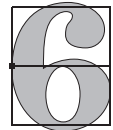
c52



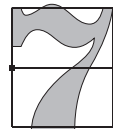
c53



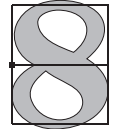
c54



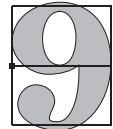
c55



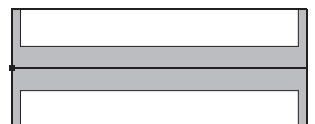
c56



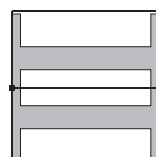
c57



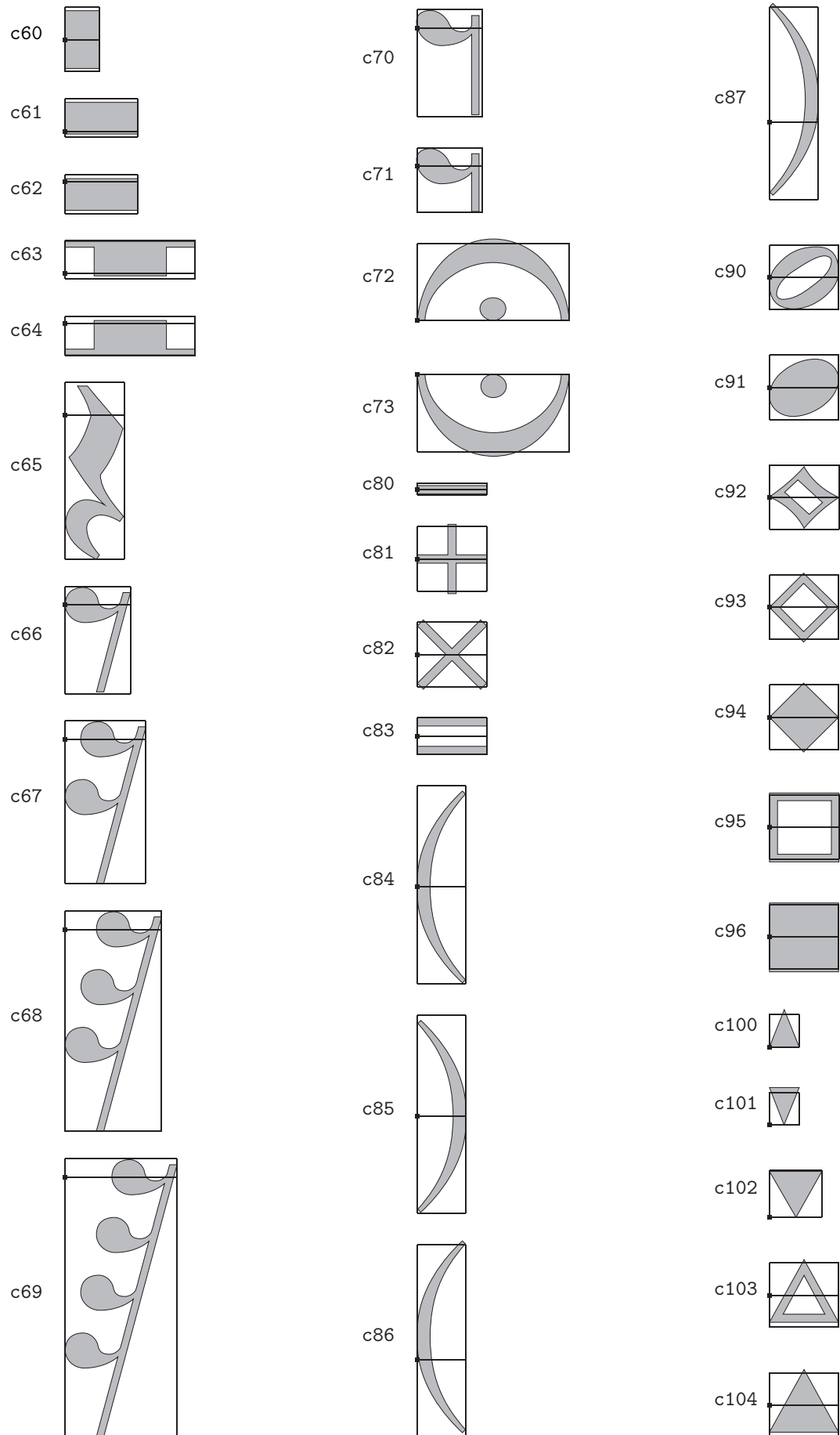
c58



c59



TEST FONTU MUCHAI



TEST FONTU MUCHAI

