BDF Font translation

Initialization

```
\label{eq:infine} \mbox{Infi]:= } \mbox{Off} \Big[ \mbox{General::spell1} \Big]
```

■ Function to expand hex numbers into bits

```
\label{local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_loc
```

■ Function to compress bit array into words

```
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
```

Import and process

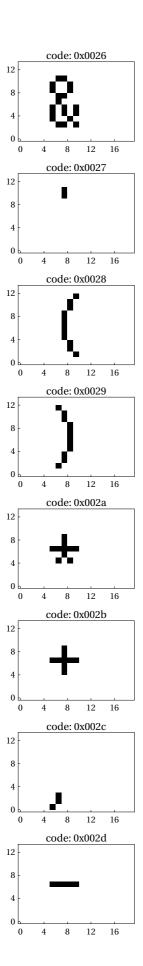
```
In[4]:= SetDirectory["../src"]
Out[4]:= /home/cmaier/Hackerspaces/sinobit/zpix-pixel-font/src
In[5]:= FileNames[]
Out[5]:= {Zpix.bdf, Zpix.vfb}
In[6]:= bdflines = StringSplit/@Import["Zpix.bdf", "Lines"];
```

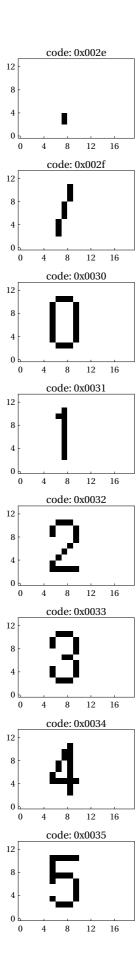
```
In[7]:= Take[bdflines, 200]
 Out[7] = \{ \{ STARTFONT, 2.1 \}, \}
                        \{FONT, -FontForge-Zpix-Normal-R-Normal--12-120-75-75-P-119-IS010646-1\},
                        \{SIZE, 12, 75, 75\}, \{FONTBOUNDINGBOX, 19, 13, -5, -2\},\
                        \{ {\tt COMMENT, "Generated, by, fontforge,, http://fontforge.sourceforge.net"} \}, 
                         {STARTPROPERTIES, 39}, {FOUNDRY, "FontForge"}, {FAMILY_NAME, "Zpix"},
                         \{ 	exttt{WEIGHT_NAME}, 	exttt{"Normal"} \}, \{ 	exttt{SLANT}, 	exttt{"R"} \}, \{ 	exttt{SETWIDTH_NAME}, 	exttt{"Normal"} \},
                        {ADD_STYLE_NAME, ""}, {PIXEL_SIZE, 12}, {POINT_SIZE, 120},
                         {RESOLUTION_X, 75}, {RESOLUTION_Y, 75}, {SPACING, "P"}, {AVERAGE_WIDTH, 119},
                         {CHARSET_REGISTRY, "ISO10646"}, {CHARSET_ENCODING, "1"}, {FONTNAME_REGISTRY, ""},
                        {CHARSET_COLLECTIONS, "ASCII, ISOLatin1Encoding, ISO8859-5,
                            JISX0208.1997, GB2312.1980, BIG5, ISO10646-1"}, {FONT_NAME, "Zpix"},
                        {FACE_NAME, "ZpixEX2"}, {FONT_VERSION, "2.0"}, {FONT_ASCENT, 10},
                         {FONT_DESCENT, 2}, {UNDERLINE_POSITION, -1}, {UNDERLINE_THICKNESS, 1},
                         \{X_{HEIGHT}, 6\}, \{CAP_{HEIGHT}, 8\}, \{RAW_{ASCENT}, 796\}, \{RAW_{DESCENT}, 203\},
                        {NORM_SPACE, 5}, {RELATIVE_WEIGHT, 40}, {RELATIVE_SETWIDTH, 50}, {SUPERSCRIPT_X, 0},
                         {SUPERSCRIPT_Y, 6}, {SUPERSCRIPT_SIZE, 6}, {SUBSCRIPT_X, 0}, {SUBSCRIPT_Y, 0},
                         \{ {	t SUBSCRIPT\_SIZE, 6} \}, \{ {	t FIGURE\_WIDTH, 6} \}, \{ {	t AVG\_LOWERCASE\_WIDTH, 89} \},
                        {AVG_UPPERCASE_WIDTH, 95}, {ENDPROPERTIES}, {CHARS, 22043}, {STARTCHAR, space},
                        {ENCODING, 32}, {SWIDTH, 333, 0}, {DWIDTH, 4, 0}, {BBX, 1, 1, 13, -2}, {BITMAP},
                        {00}, {ENDCHAR}, {STARTCHAR, exclam}, {ENCODING, 33}, {SWIDTH, 300, 0},
                        {DWIDTH, 6, 0}, {BBX, 1, 9, 2, 0}, {BITMAP}, {80}, {80}, {80}, {80}, {80},
                        \{80\}, \{00\}, \{80\}, \{80\}, \{ENDCHAR\}, \{STARTCHAR, quotedbl\}, \{ENCODING, 34\},
                       {SWIDTH, 378, 0}, {DWIDTH, 6, 0}, {BBX, 3, 2, 1, 7}, {BITMAP}, {A0}, {A0}, {ENDCHAR},
                        {STARTCHAR, numbersign}, {ENCODING, 35}, {SWIDTH, 601, 0}, {DWIDTH, 6, 0},
                       {BBX, 5, 9, 0, 0}, {BITMAP}, {50}, {50}, {F8}, {50}, {50}, {50}, {50}, {50}, {50},
                       {ENDCHAR}, {STARTCHAR, dollar}, {ENCODING, 36}, {SWIDTH, 628, 0}, {DWIDTH, 6, 0},
                       \{BBX, 5, 11, 0, -1\}, \{BITMAP\}, \{20\}, \{70\}, \{A8\}, \{A0\}, \{60\}, \{20\}, \{30\}, \{28\}, \{A8\}, \{A8
                       {70}, {20}, {ENDCHAR}, {STARTCHAR, percent}, {ENCODING, 37}, {SWIDTH, 968, 0},
                       \{DWIDTH, 6, 0\}, \{BBX, 6, 8, 0, 0\}, \{BITMAP\}, \{48\}, \{A8\}, \{B0\}, \{50\}, \{28\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{34\}, \{
                       {54}, {48}, {ENCCHAR}, {STARTCHAR, ampersand}, {ENCODING, 38}, {SWIDTH, 769, 0},
                       {DWIDTH, 6, 0}, {BBX, 5, 9, 0, 0}, {BITMAP}, {60}, {90}, {90}, {60}, {40},
                       \{A8\}, \{A8\}, \{90\}, \{68\}, \{ENDCHAR\}, \{STARTCHAR, quotesingle\}, \{ENCODING, 39\},
                       {SWIDTH, 203, 0}, {DWIDTH, 6, 0}, {BBX, 1, 2, 2, 7}, {BITMAP}, {80}, {80}, {ENDCHAR},
                       {STARTCHAR, parenleft}, {ENCODING, 40}, {SWIDTH, 359, 0}, {DWIDTH, 6, 0},
                       {BBX, 3, 11, 2, -1}, {BITMAP}, {20}, {40}, {40}, {80}, {80}, {80}, {80}, {80}, {80}, {40},
                       {40}, {20}, {ENDCHAR}, {STARTCHAR, parenright}, {ENCODING, 41}, {SWIDTH, 359, 0},
                       \{DWIDTH, 6, 0\}, \{BBX, 3, 11, 1, -1\}, \{BITMAP\}, \{80\}, \{40\}, \{40\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\}, \{20\},
                        \{\textbf{20}\},\, \{\textbf{20}\},\, \{\textbf{40}\},\, \{\textbf{40}\},\, \{\textbf{80}\},\, \big\{\texttt{ENDCHAR}\big\},\, \big\{\texttt{STARTCHAR},\, \texttt{asterisk}\big\},\, \big\{\texttt{ENCODING},\, \textbf{42}\big\}, 
                       \{SWIDTH, 437, 0\}, \{DWIDTH, 6, 0\}, \{BBX, 5, 5, 0, 2\}, \{BITMAP\}, \{20\}, \{20\}, \{F8\}, \{20\}\}
   log_{[B]} = Transpose[Flatten[Position[bdflines, #]] & /@ {{"STARTCHAR", _}, {"ENDCHAR"}}];
                   Dimensions[charlines = Take[bdflines, #] & /@%]
 Out[9]= \{22043\}
 In[10]:= charlines[[1]]
Out[10] = \{ \{ STARTCHAR, space \}, \{ ENCODING, 32 \}, \{ SWIDTH, 333, 0 \}, \} \}
                        {DWIDTH, 4, 0}, {BBX, 1, 1, 13, -2}, {BITMAP}, {00}, {ENDCHAR}}
```

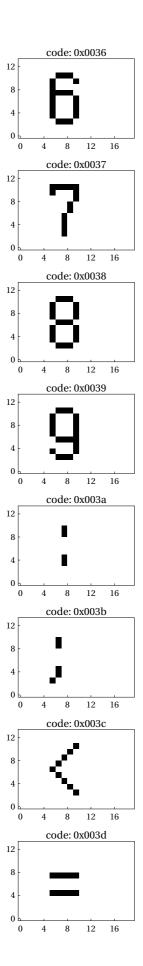
```
In[11]:= charlines[2]
Out[11]= \{\{STARTCHAR, exclam\}, \{ENCODING, 33\}, \{SWIDTH, 300, 0\}, \}
       {DWIDTH, 6, 0}, {BBX, 1, 9, 2, 0}, {BITMAP}, {80}, {80},
       \{80\}, \{80\}, \{80\}, \{80\}, \{80\}, \{80\}, \{80\}, \{ENDCHAR\}
In[12]:= Dimensions
       charcodes = Last[Flatten[Select[#, First[#] == "ENCODING" &]]] & /@ charlines]
\text{Out[12]= } \left\{\,22\;043\,\right\}
ln[13]:= Dimensions[widths = Flatten[Select[#, First[#] == "DWIDTH" &]] [2] & /@ charlines]
Out[13]= \{22043\}
In[14]:= Dimensions[boundingboxes = Flatten[Select[#, First[#] == "BBX" &]] & /@ charlines]
Out[14]= \{22043, 5\}
In[15]:= bounds = Flatten[{Take[#, -2], Take[#, -2] + Take[#, {2, 3}]}] & /@
          ToExpression[boundingboxes];
      Transpose[%];
      bigbox = MapThread[Apply, {{Min, Min, Max, Max}, %}]
Out[17]= \{-5, -2, 14, 11\}
In[18]:= fills = # - bigbox & /@ bounds;
In[19]:= fills[1]
Out[19]= \{18, 0, 0, -12\}
In[20]:= Dimensions[bounds]
Out[20]= \{22043, 4\}
In[21]:= Dimensions[bitmaps = Function[{line},
           Block[{bounds = ToExpression[Drop[Flatten[Select[line, First[#] == "BBX" &]], 1]]},
            1 - Take[HexExpand[#], bounds[1]] & /@ Flatten[Take[line,
                \{1, -1\} + Flatten[Position[line, #] & /@ {{"BITMAP"}, {"ENDCHAR"}}]]]
         ]/@charlines]
\text{Out[21]= } \left\{\,22.043\,\right\}
In[22]:= BitmapExtend = Function[{bitmap, fill},
        Block[\{bmp, xl = Table[1, \{0, fill[1]\}], xr = Table[1, \{0, -fill[3]\}], yt, yb\},\}
         bmp = Join[xl, #, xr] & /@ bitmap;
         yb = Table[Table[1, {@, Length[First[bmp]]}], {@, fill[2]]}];
         yt = Table[Table[1, {@, Length[First[bmp]]}], {@, -fill[4]]}];
          Join[yt, bmp, yb]
        ]
Out[22]= Function[{bitmap, fill},
       Block[\{bmp, xl = Table[1, \{0, fill[1]\}], xr = Table[1, \{0, -fill[3]\}], yt, yb\},\}
        bmp = (Join[xl, #1, xr] &) /@ bitmap;
        yb = Table[Table[1, {@, Length[First[bmp]]}], {@, fill[2]}];
        yt = Table[Table[1, {@, Length[First[bmp]]}], {@, -fill[4]}];
```

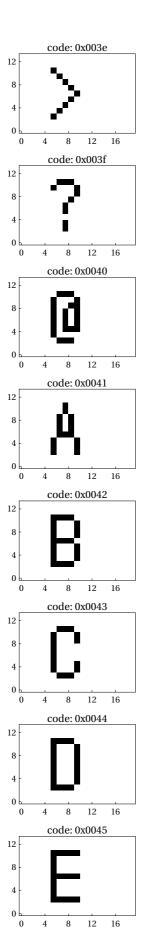
Join[yt, bmp, yb]]]

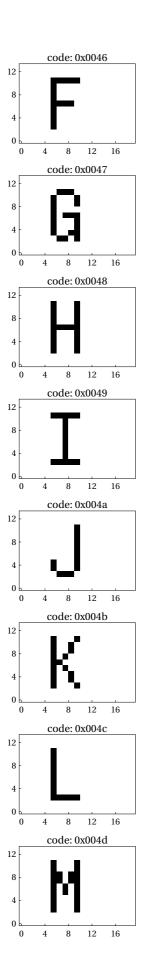
```
ln[23]:= Dimensions[extbitmaps = MapThread[BitmapExtend, {bitmaps, fills}]]
Out[23]= \{22043, 13, 19\}
ln[24]:= bitmapgrafix = MapThread [Graphics [Raster [Reverse [#1]], Frame \rightarrow True, AspectRatio \rightarrow
              Divide @@ Dimensions[#1], FrameTicks \rightarrow ({#, #, {}, {}} &[Range[0, 16, 4]]),
            PlotLabel → ("code: 0x" <> IntegerString[ToExpression[#2], 16, 4])] &,
          {extbitmaps, charcodes}];
In[25]:= Print /@ Take[bitmapgrafix, {1, 2048}];
            code: 0x0020
      12
      4
      0
                  12 16
            code: 0x0021
      12
               8
                  12 16
            code: 0x0022
      12
      8
      4
               8 12 16
            code: 0x0023
      12
      8
           4 8 12 16
            code: 0x0024
      12
      4
      0
               8 12 16
            code: 0x0025
      12
      8
```

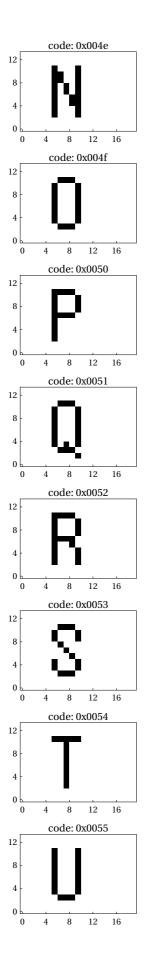


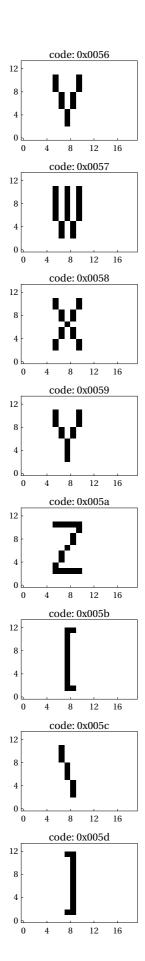


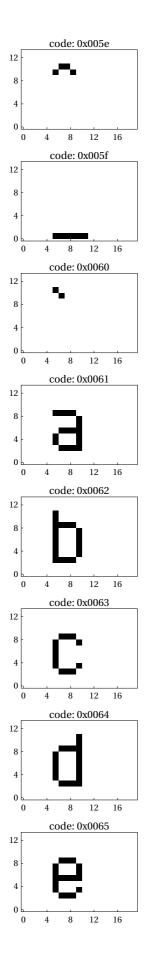


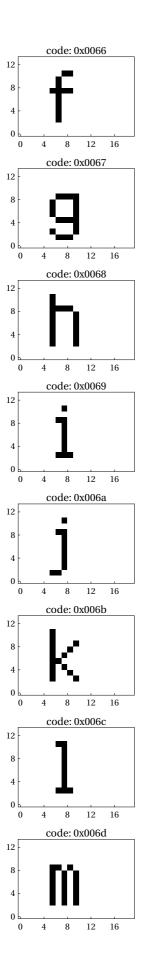


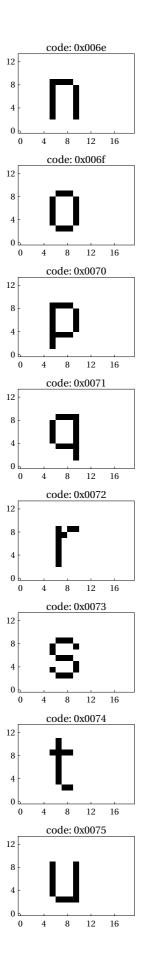


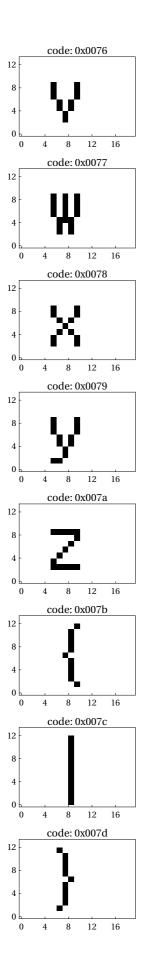


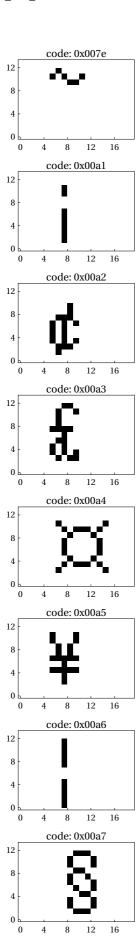


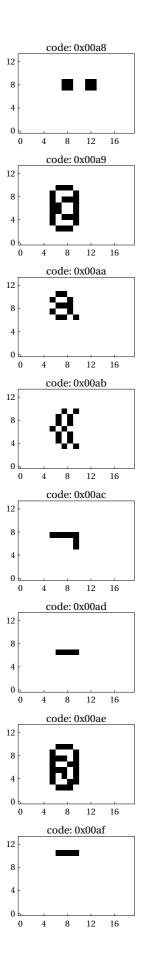


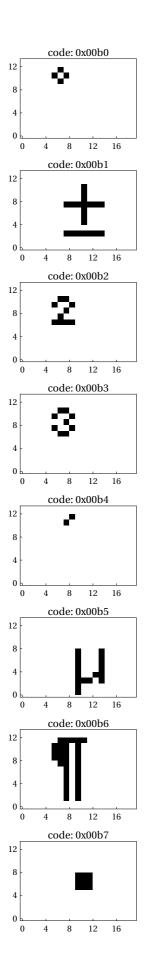


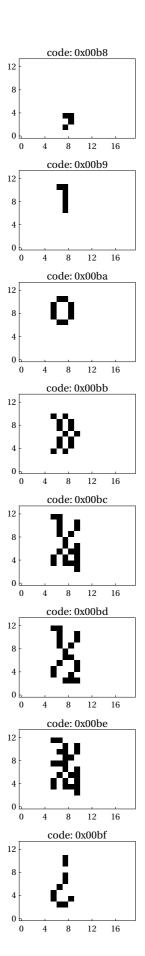


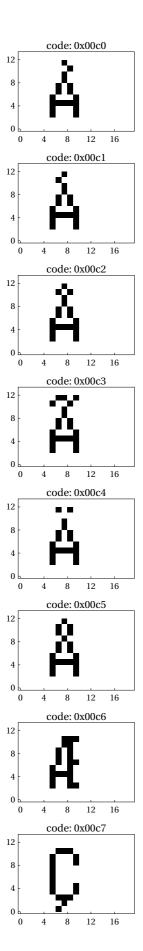


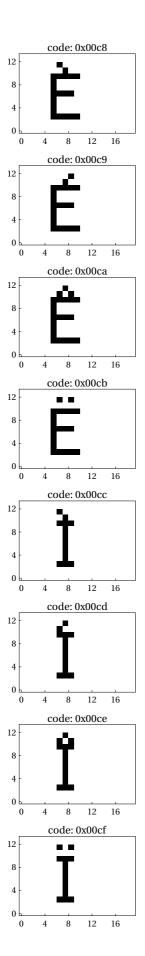


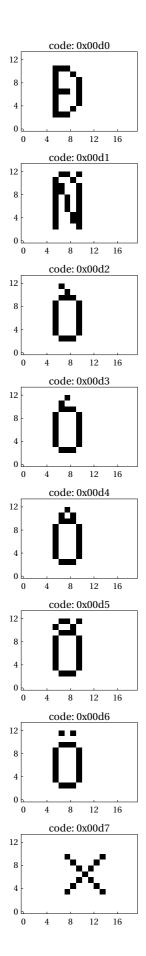


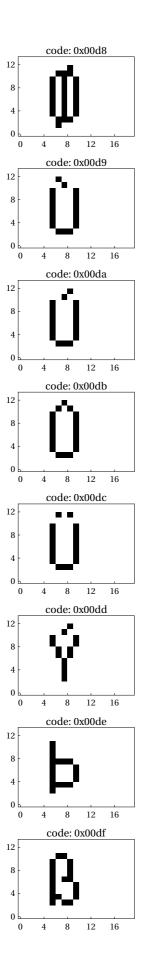


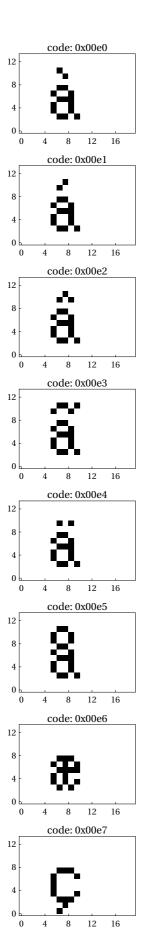


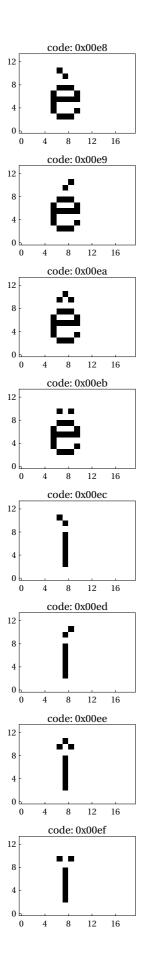


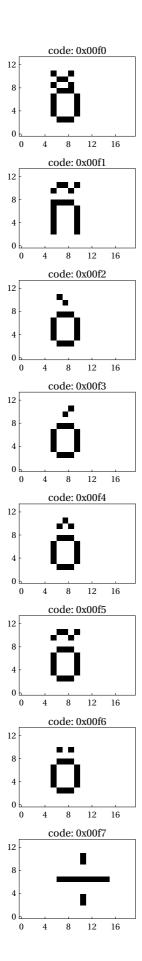


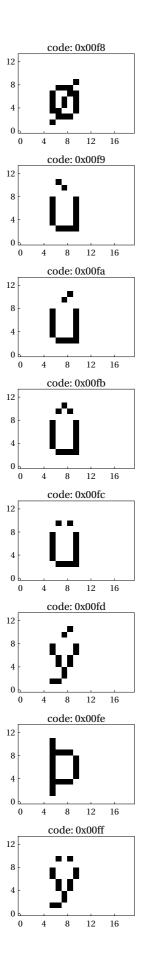


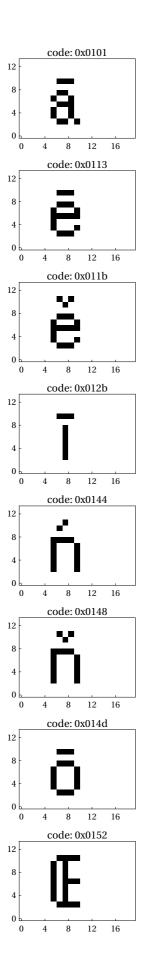


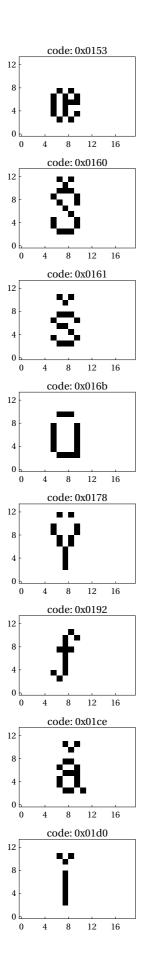


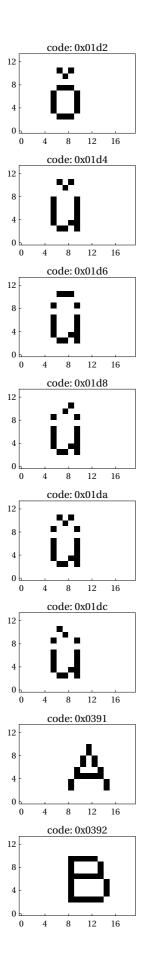


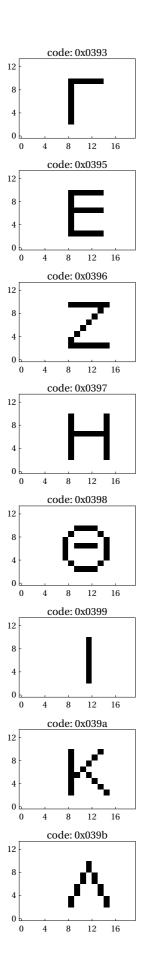


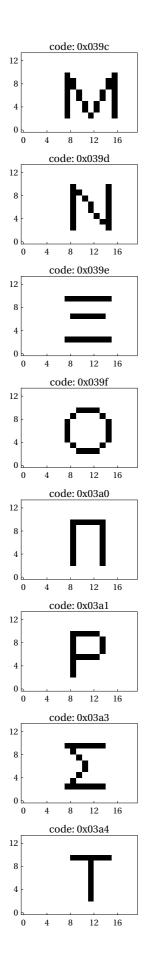


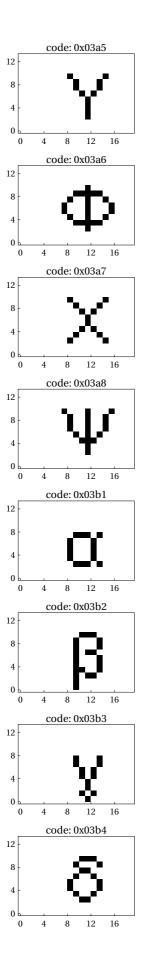


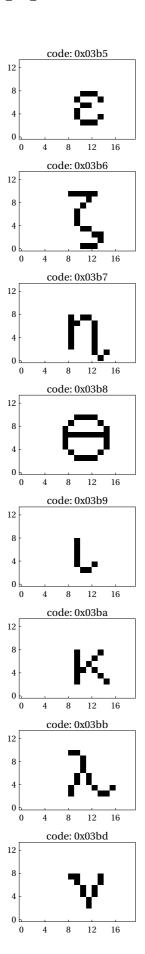


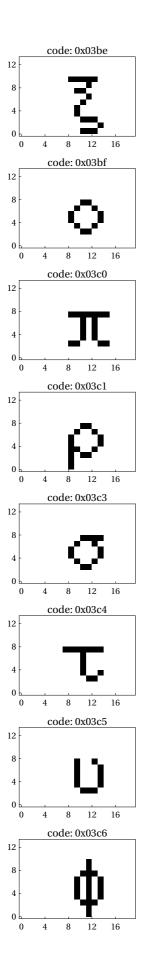


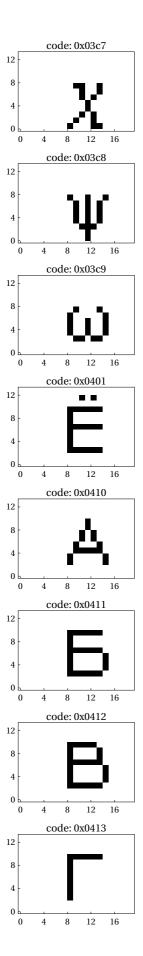


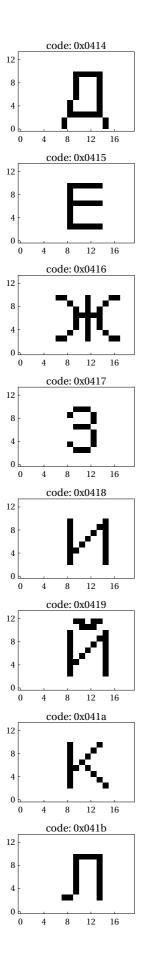


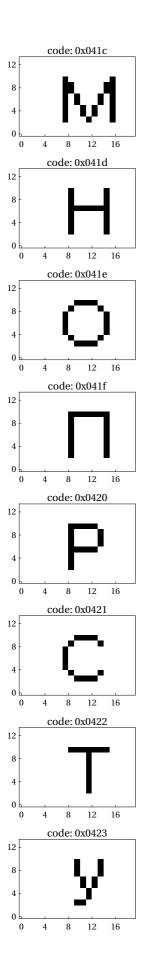


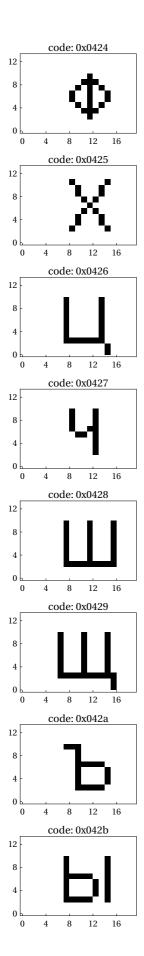


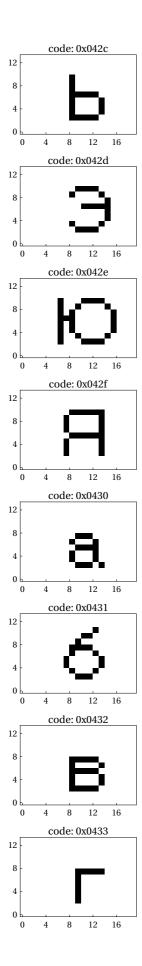


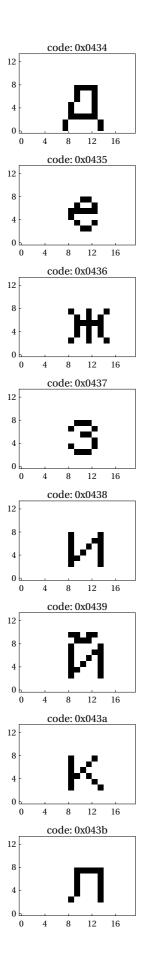


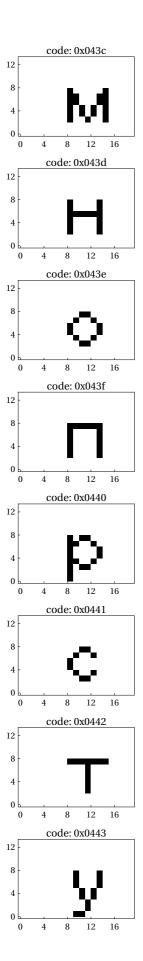


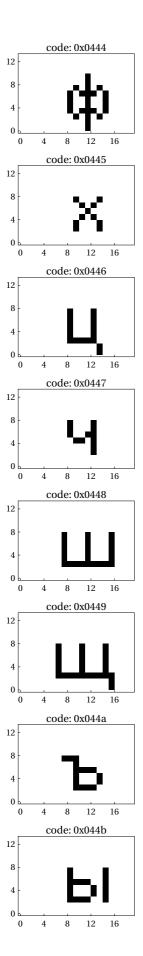


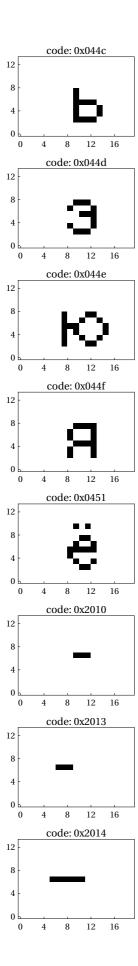


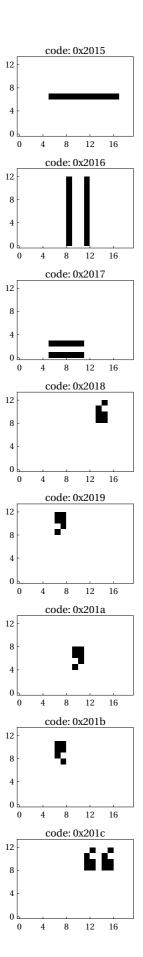


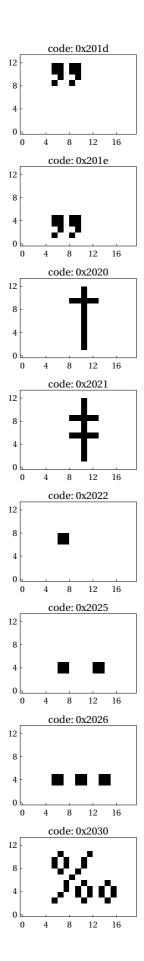


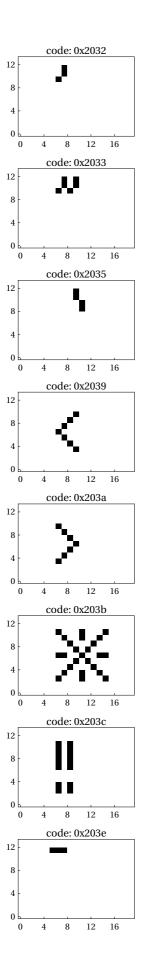


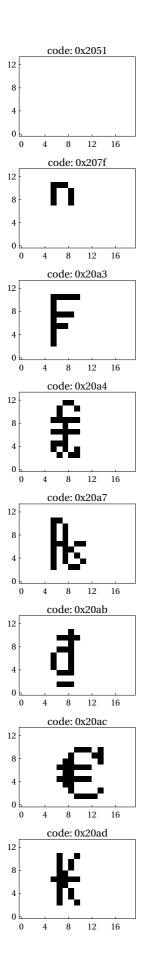


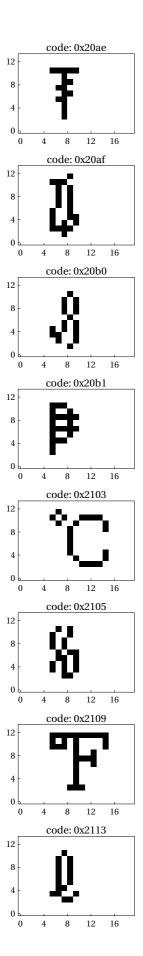


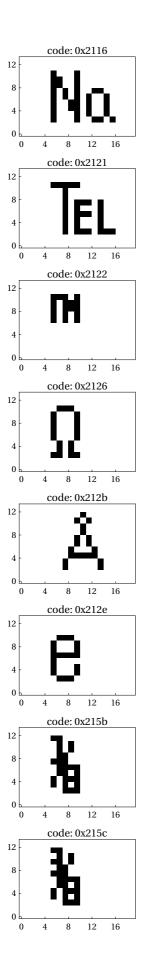


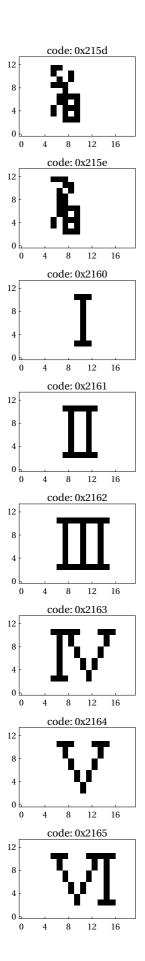


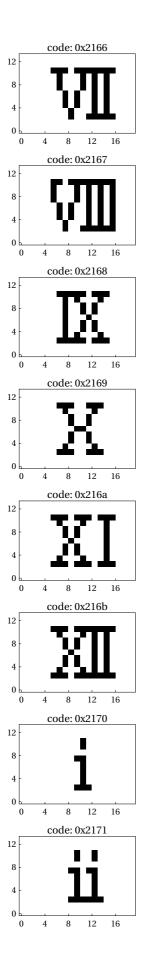


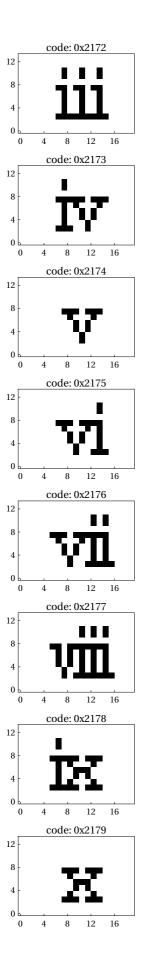


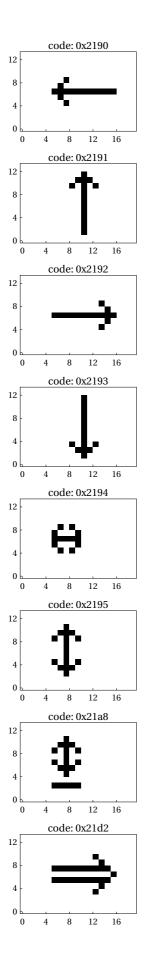


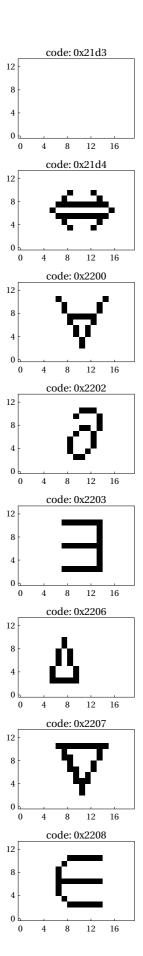


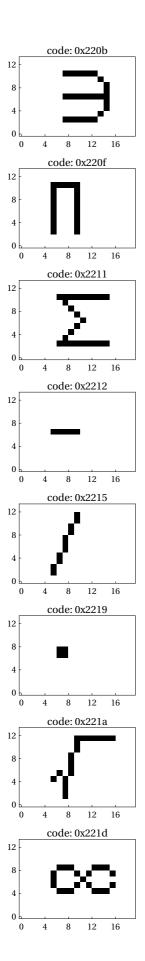


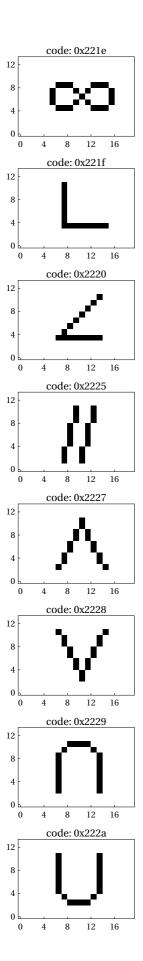


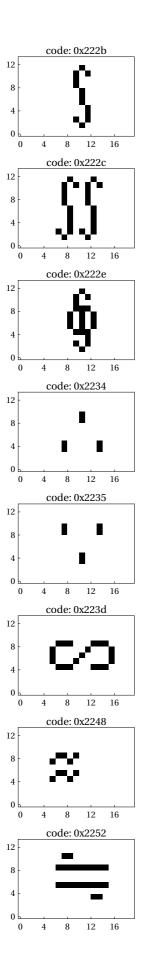


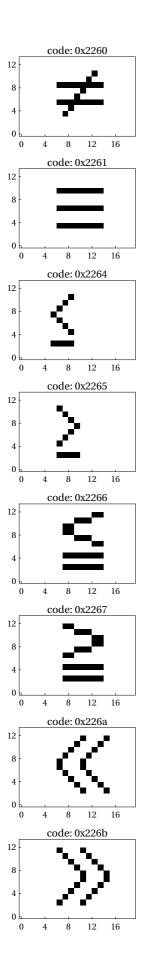


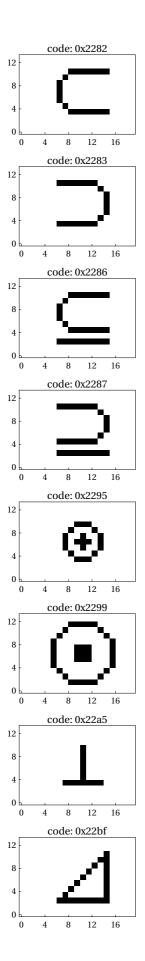


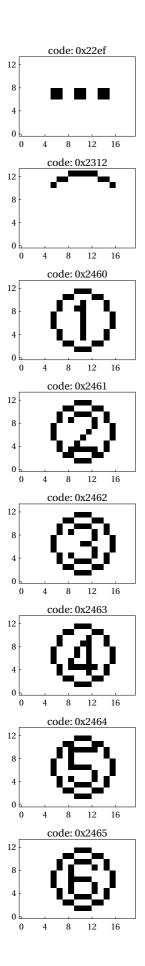


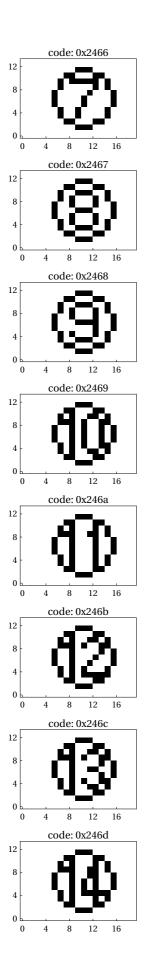


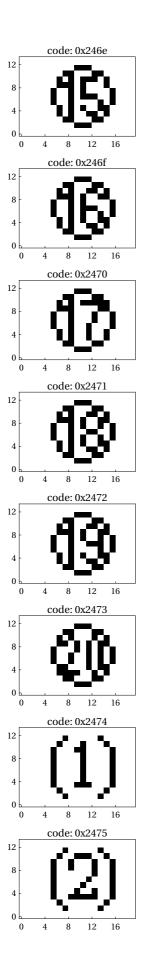


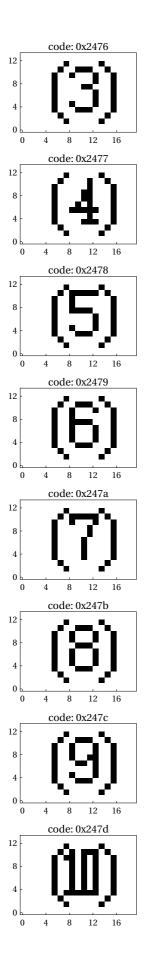


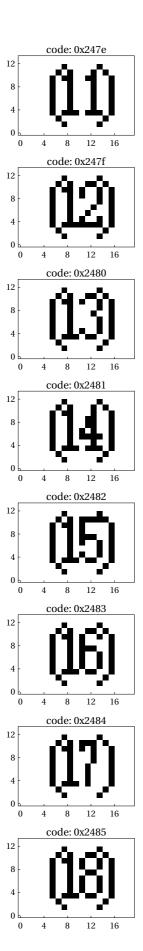


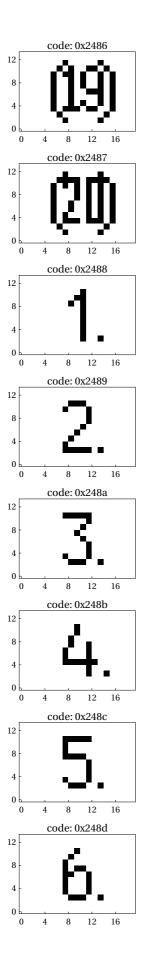


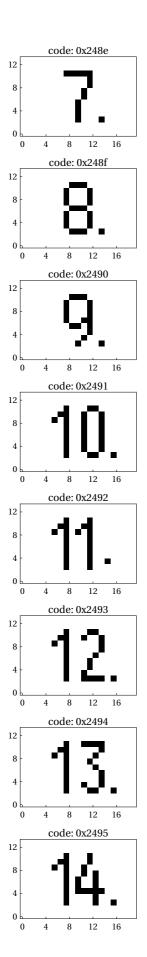


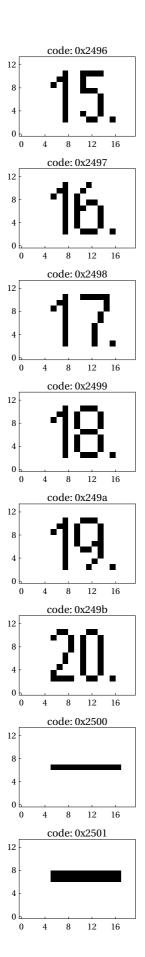


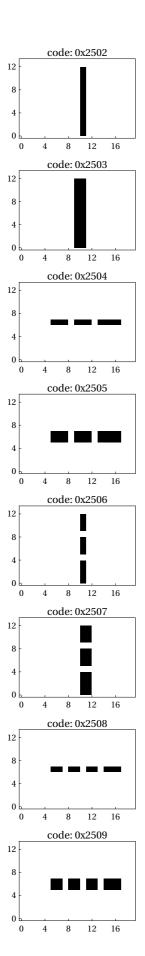


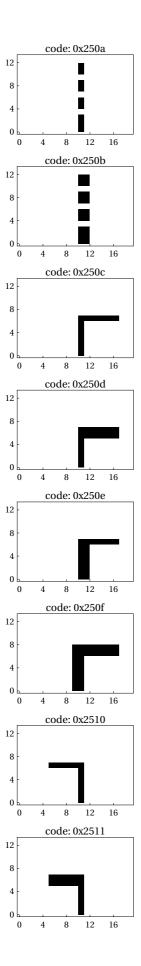


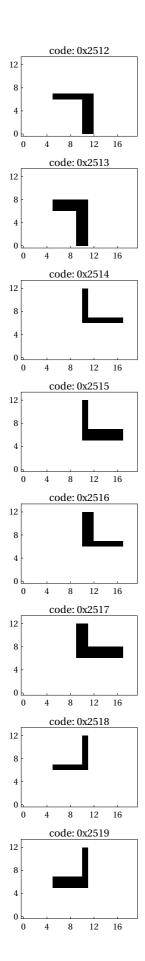


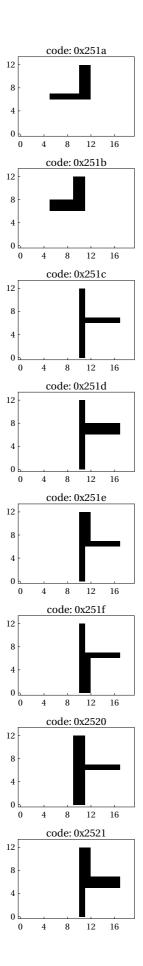


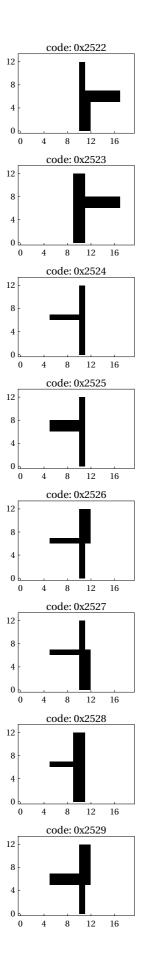


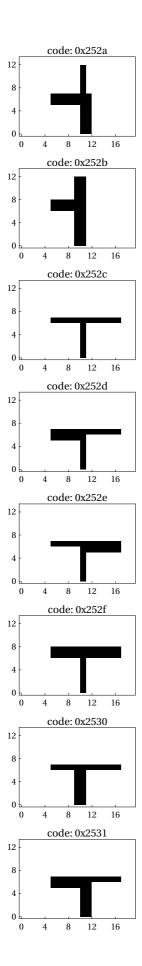


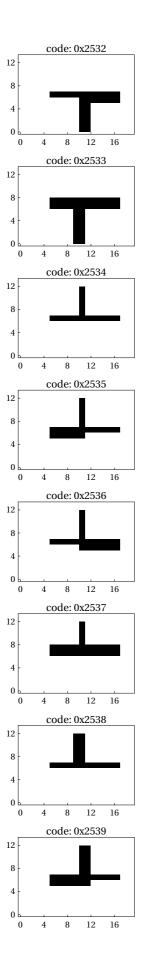


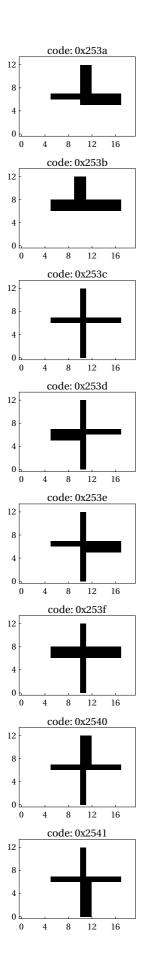


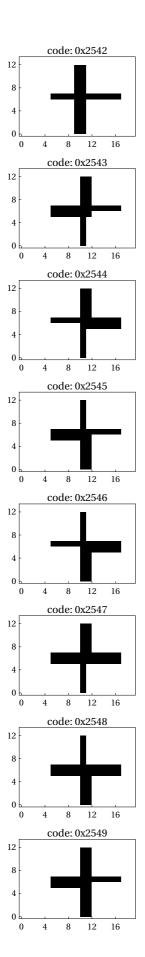


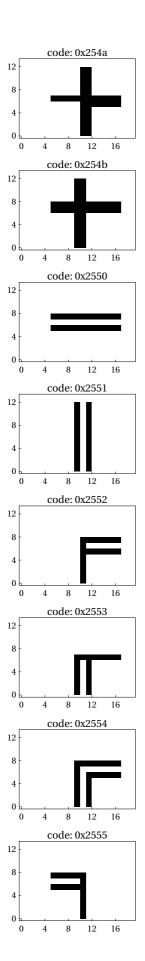


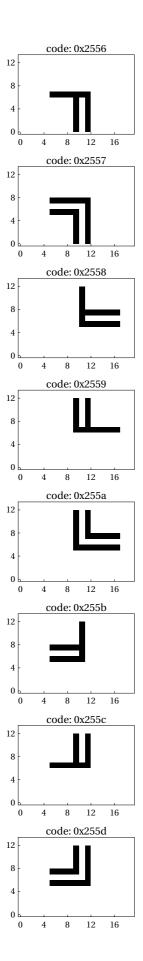


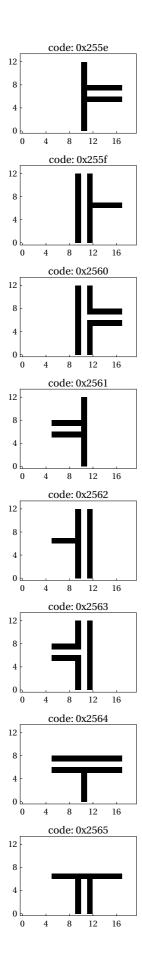


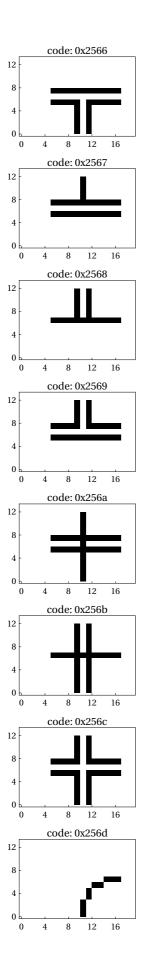


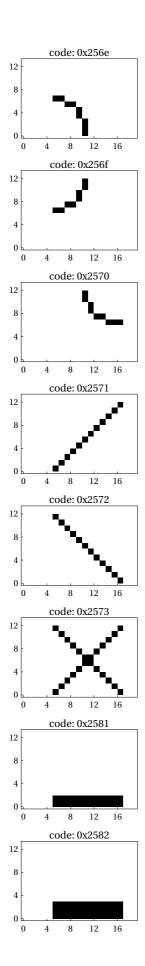


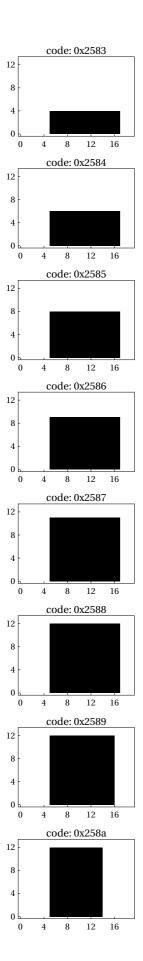


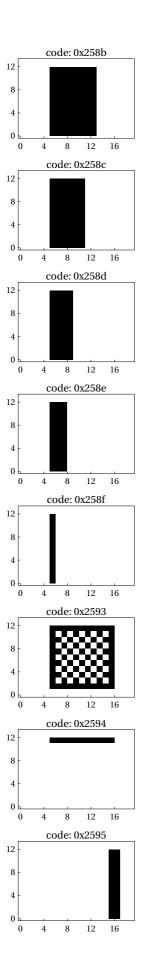


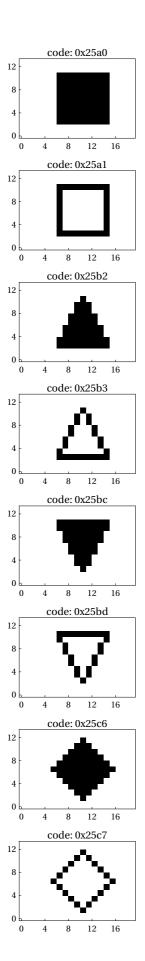


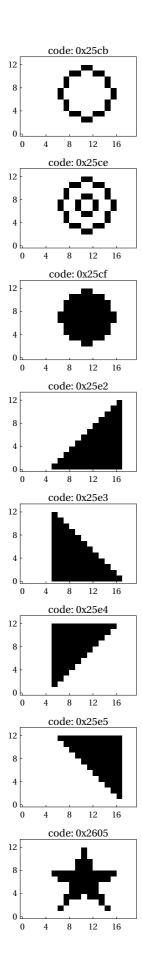


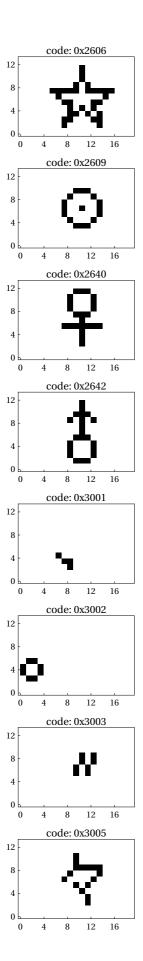


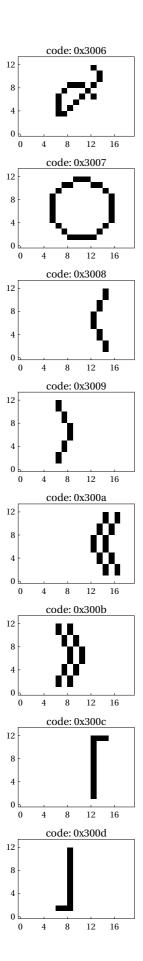


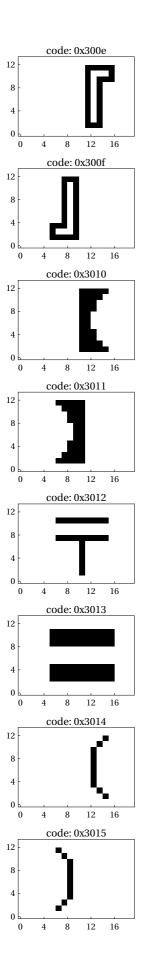


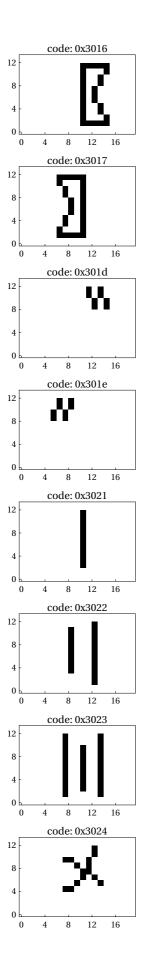


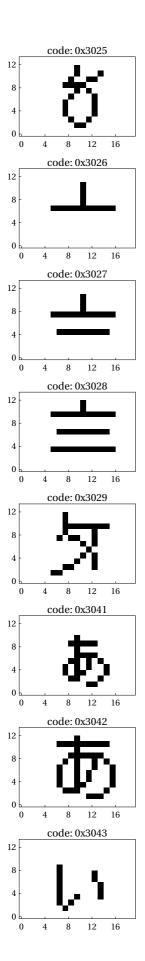


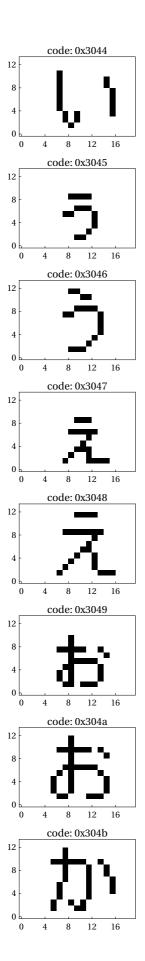


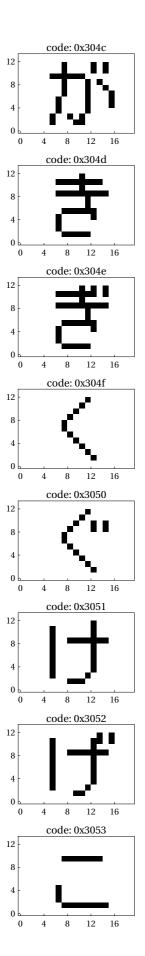


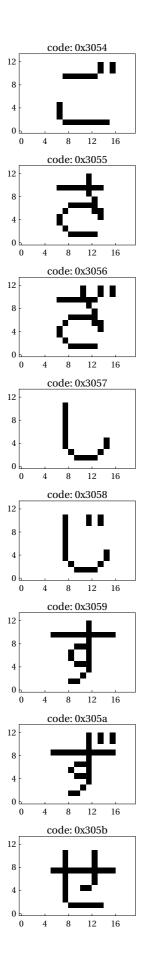


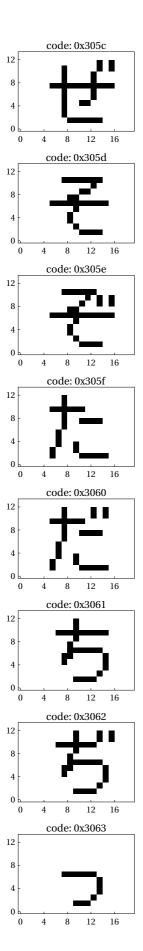


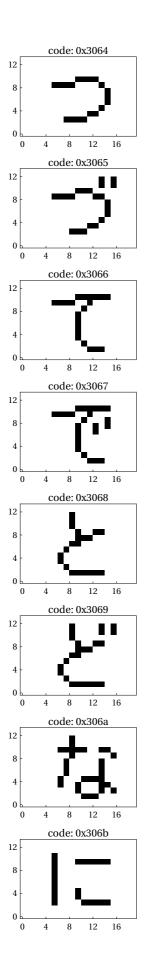


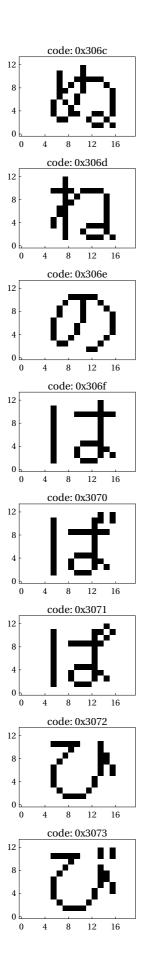


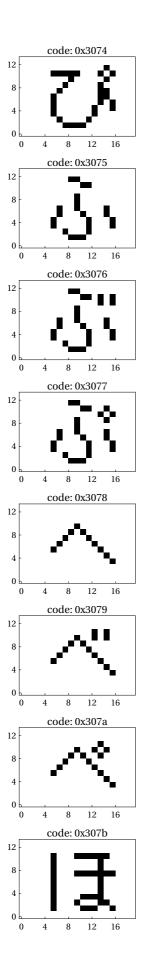


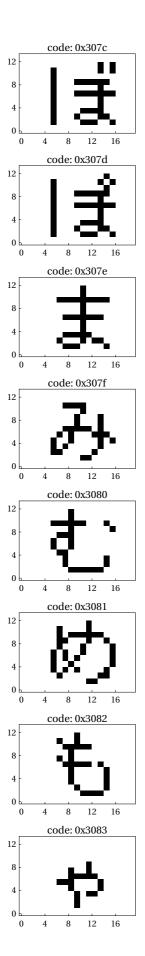


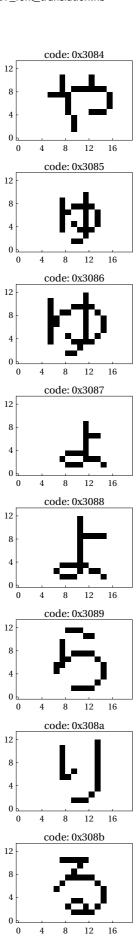


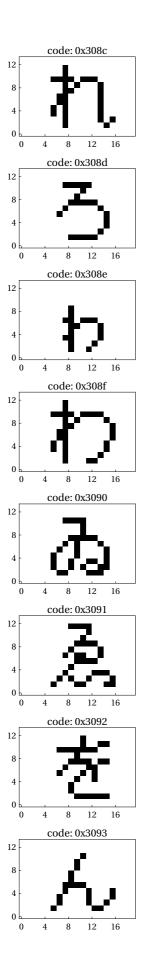


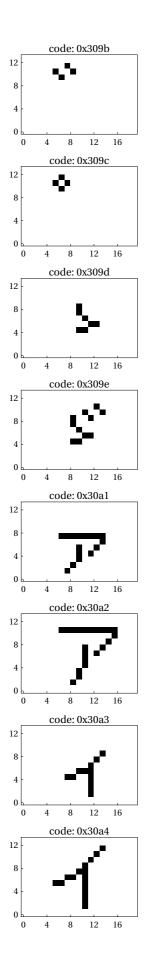


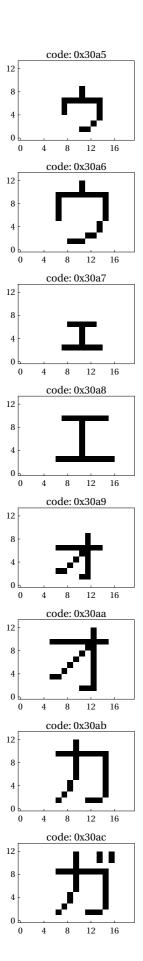


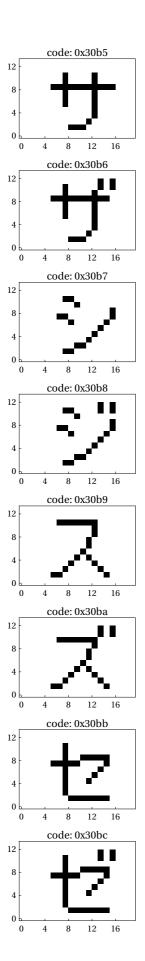




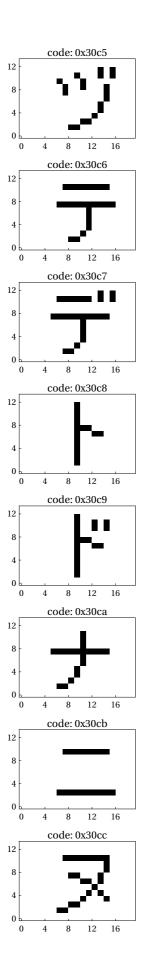


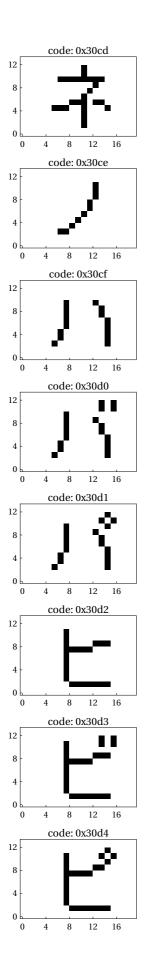


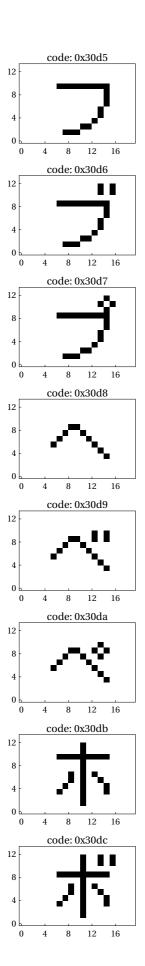


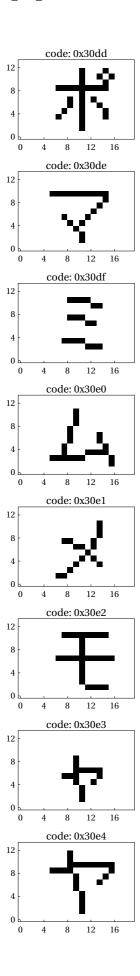


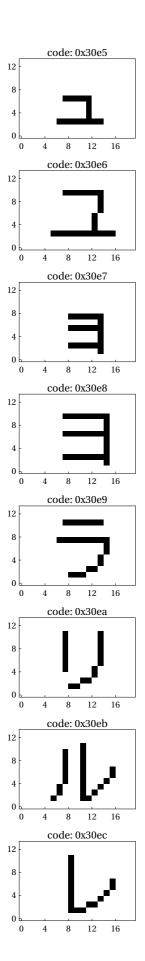
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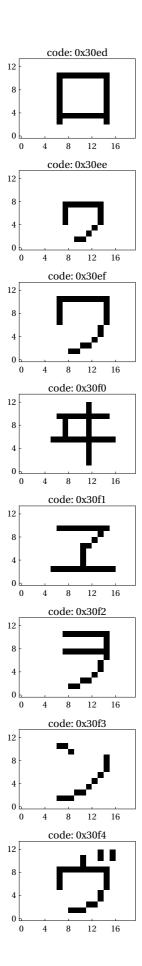


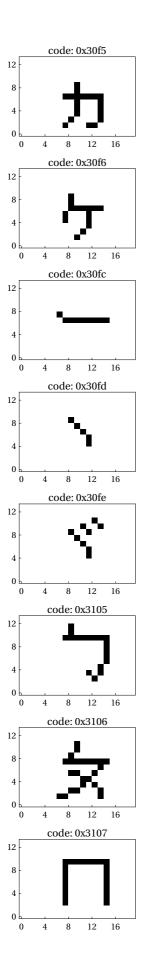


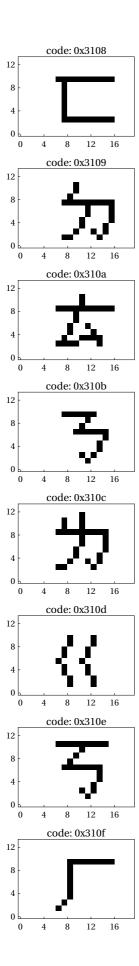


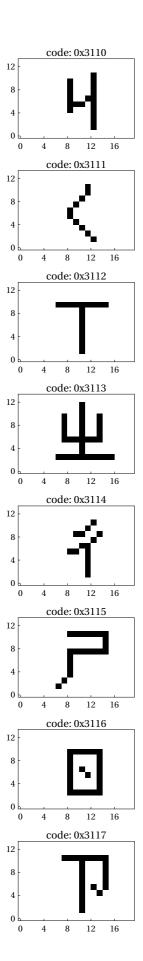


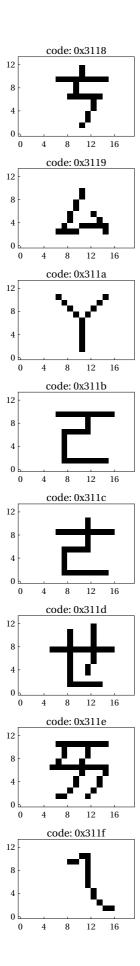


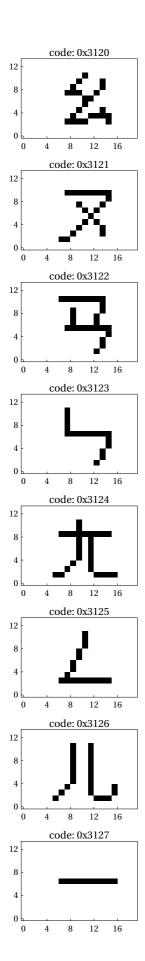


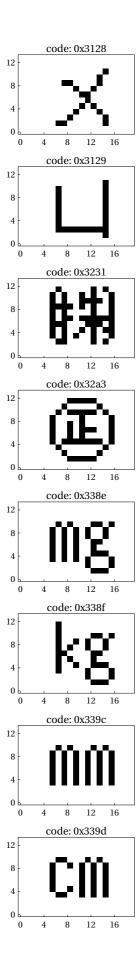


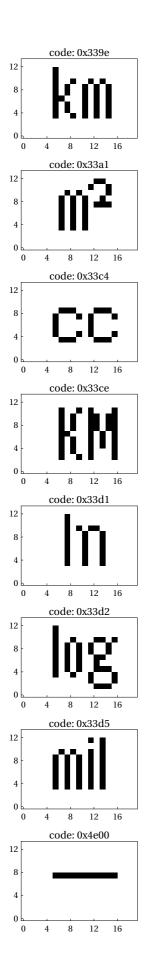


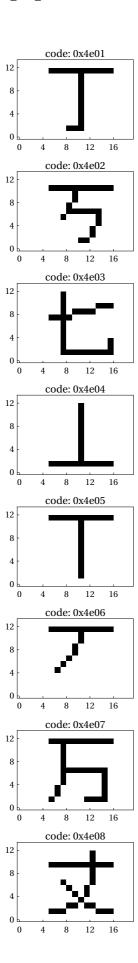


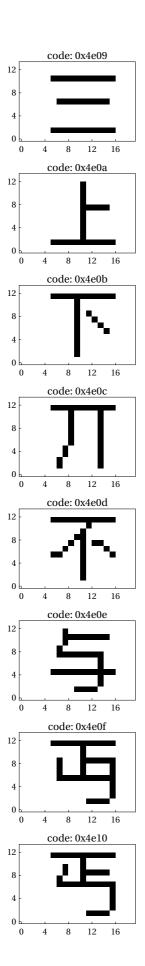


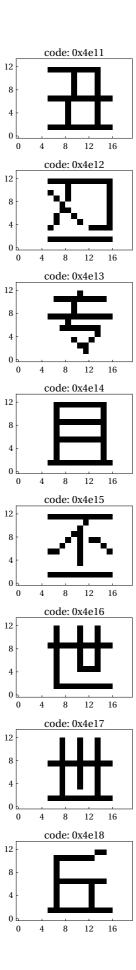


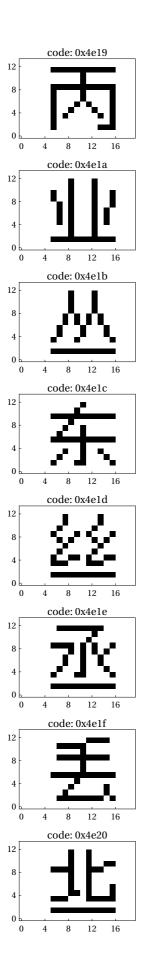


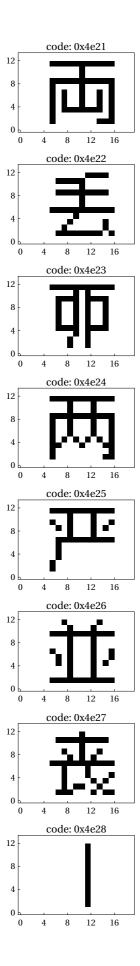


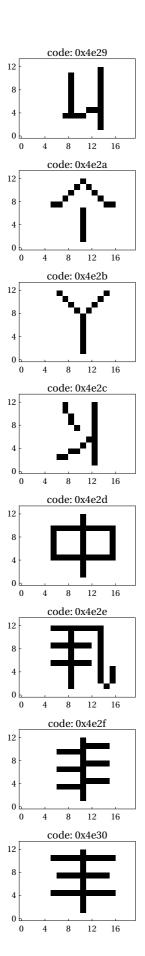


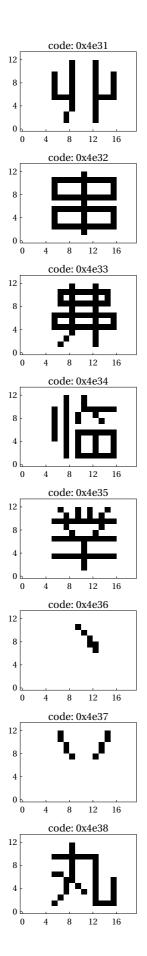


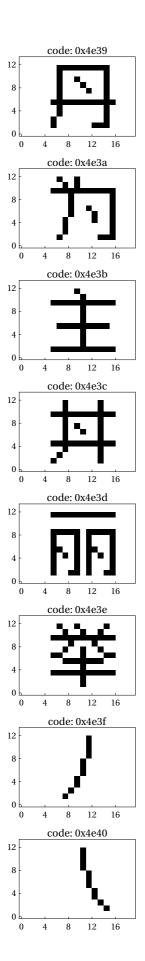


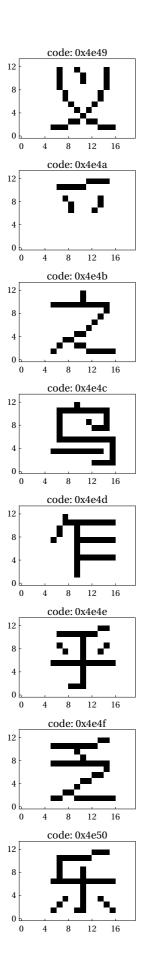


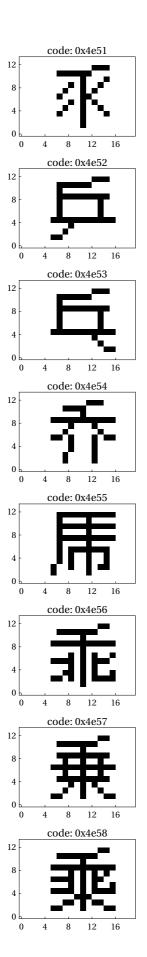


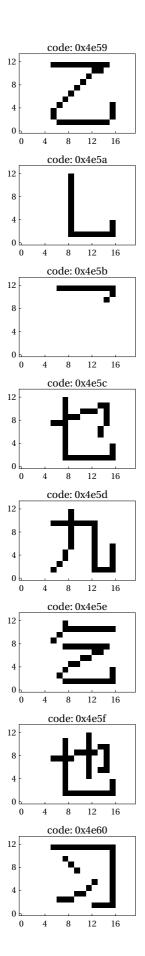




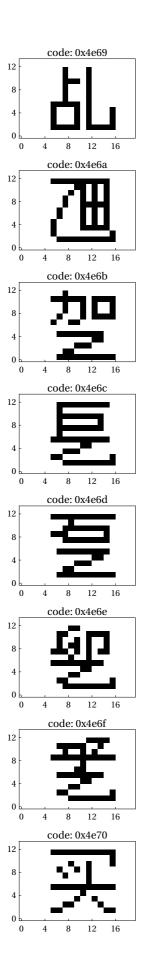


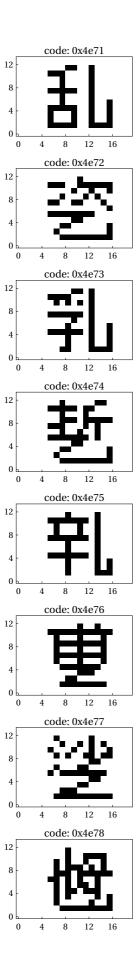


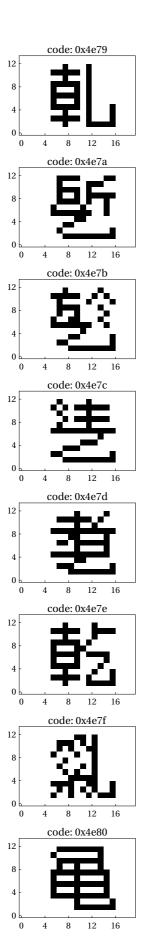


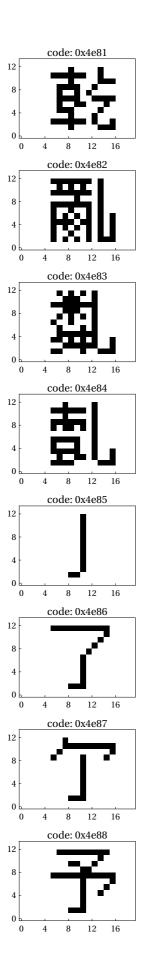


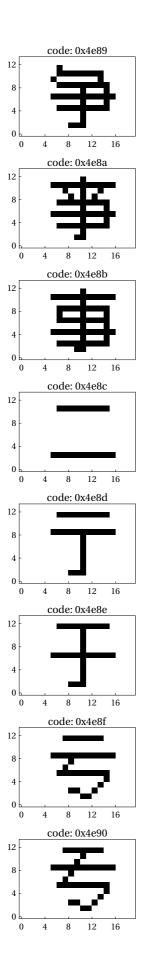
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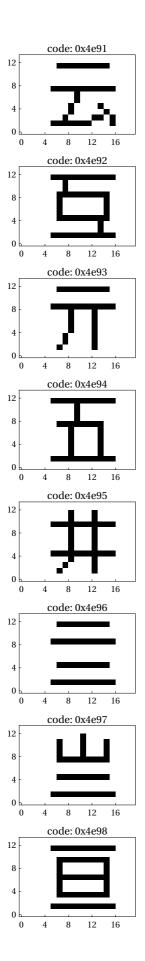


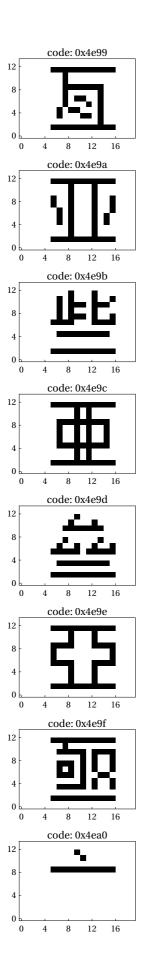


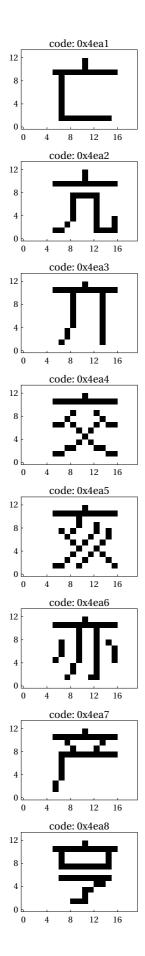


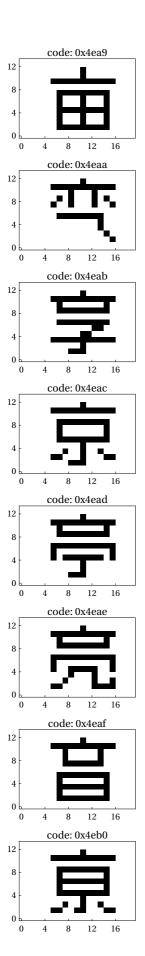


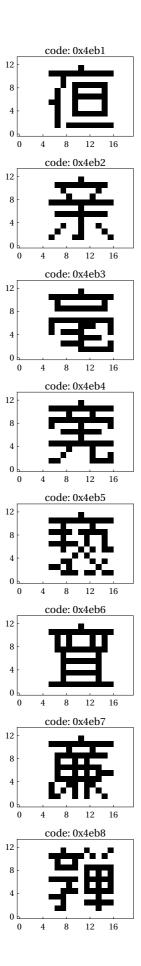


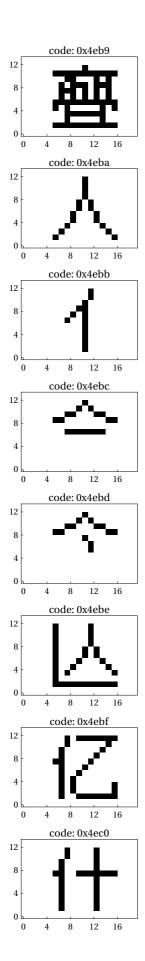


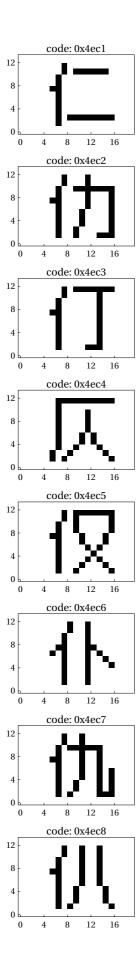


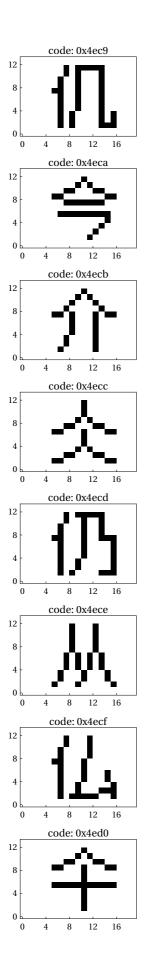


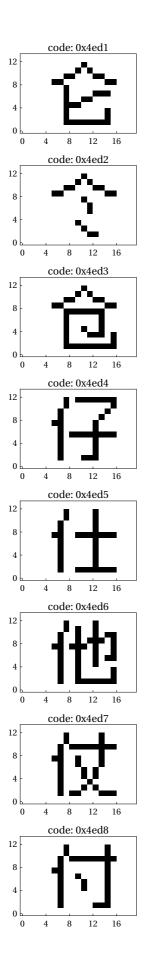


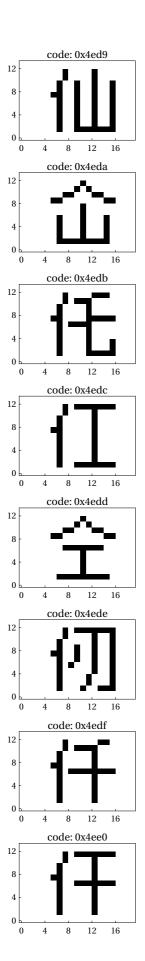


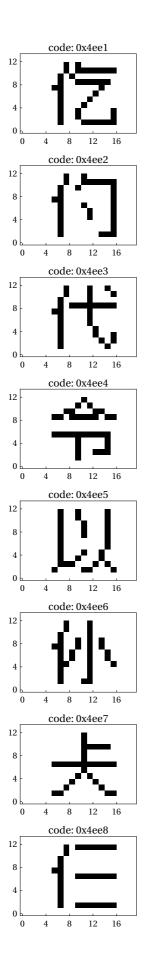


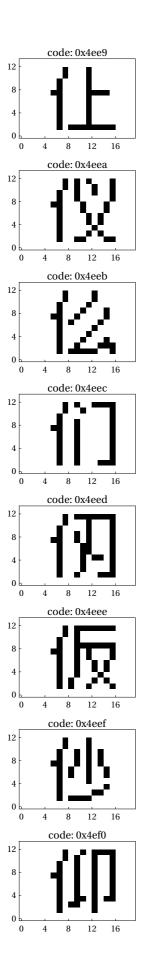


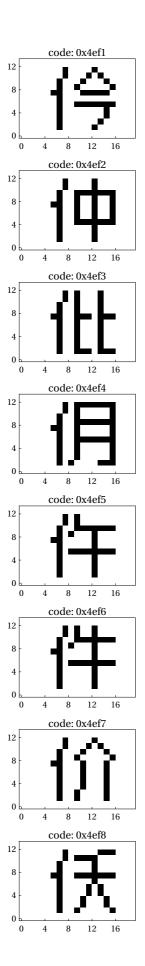


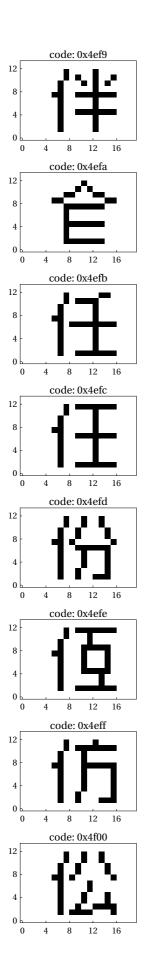


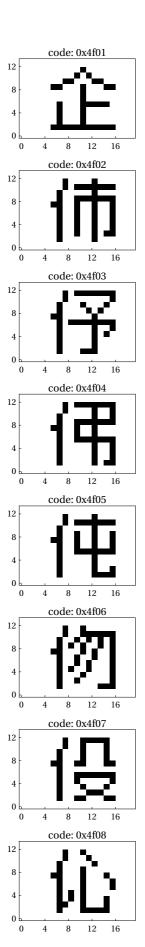


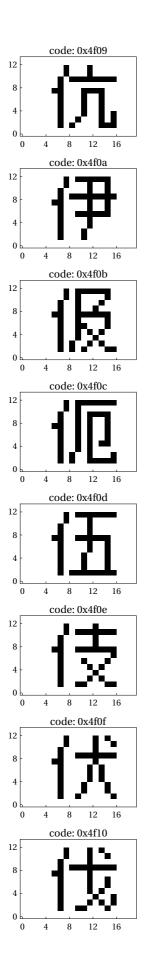


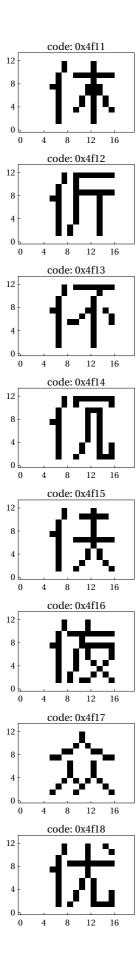


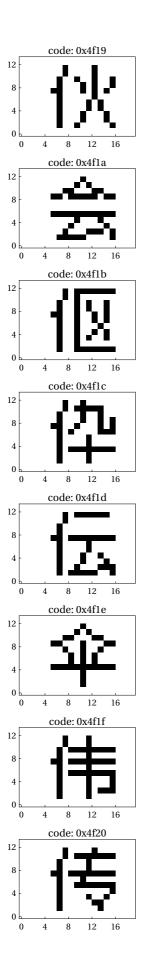


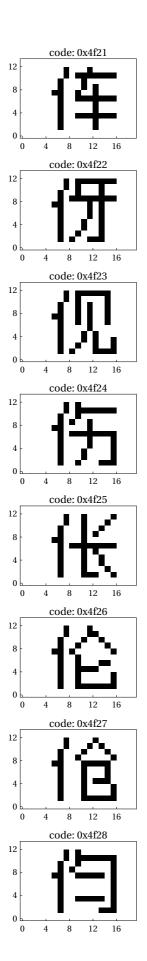


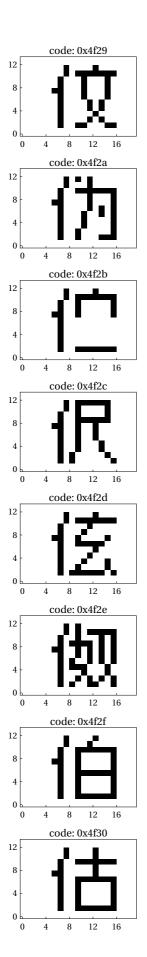


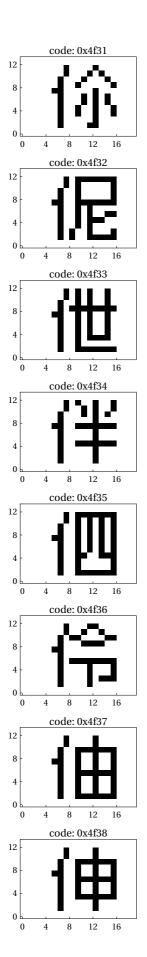


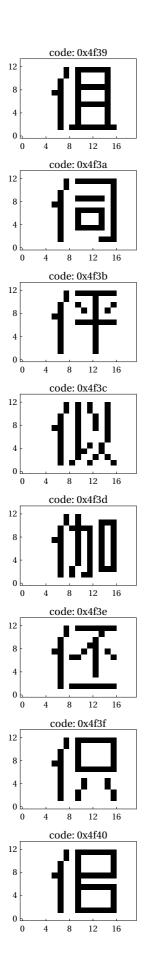




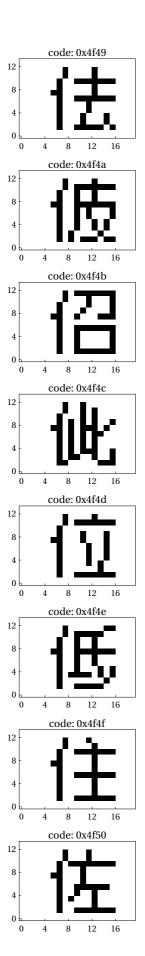


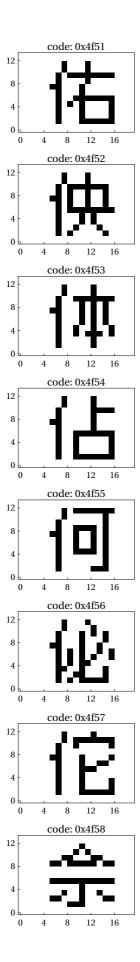


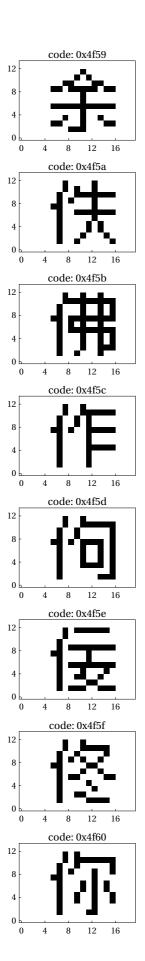


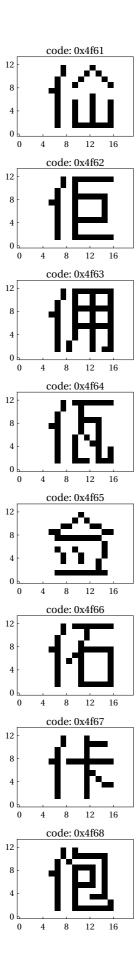


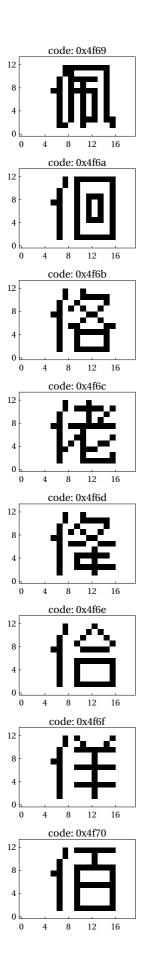
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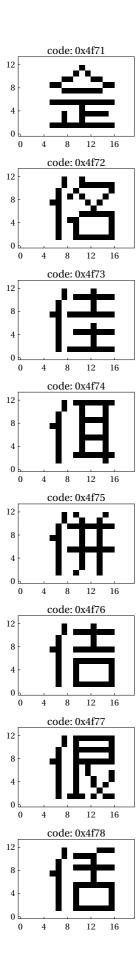


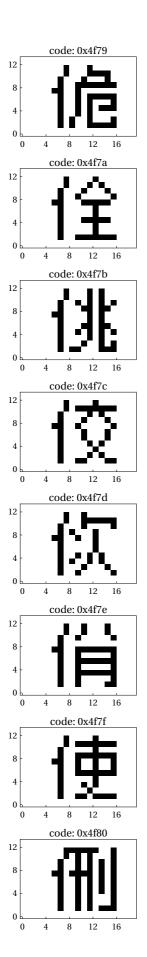


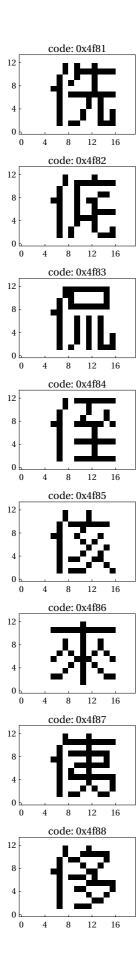


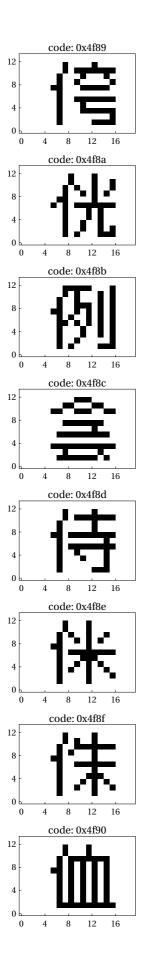


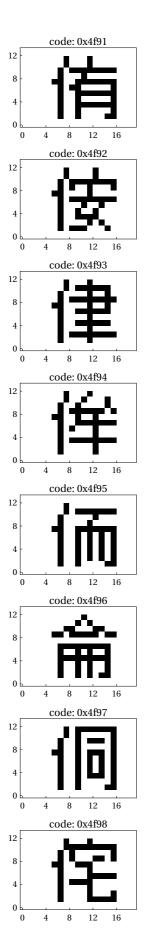


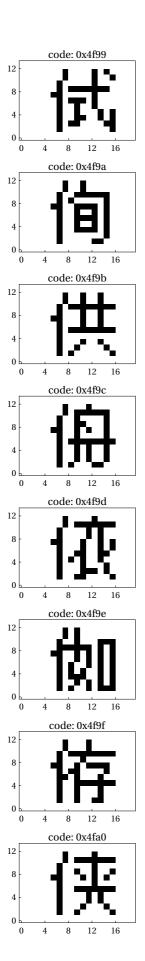


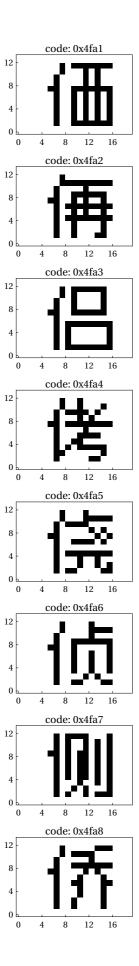


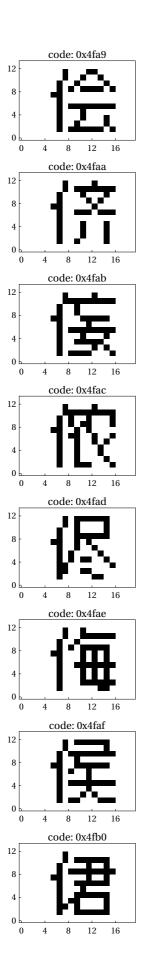


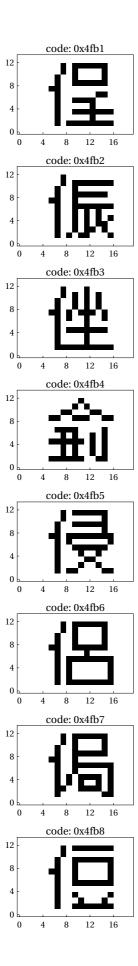


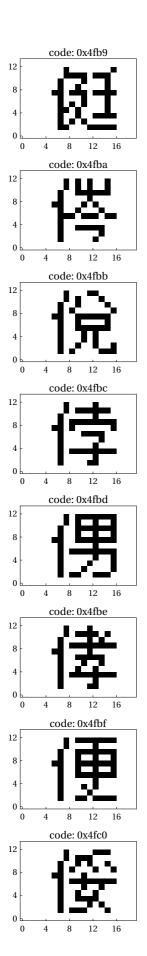




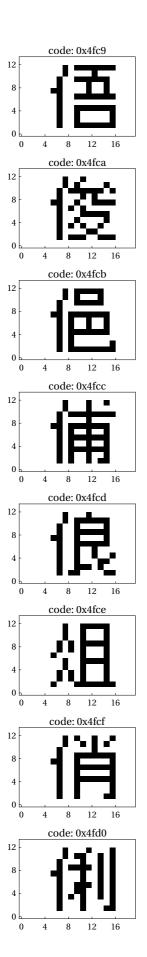


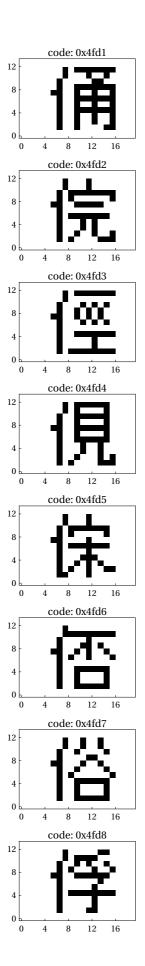


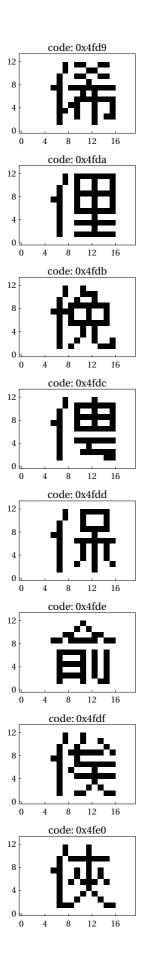


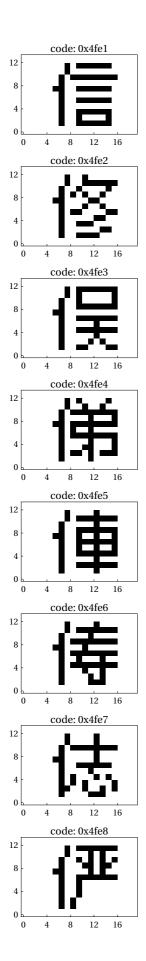


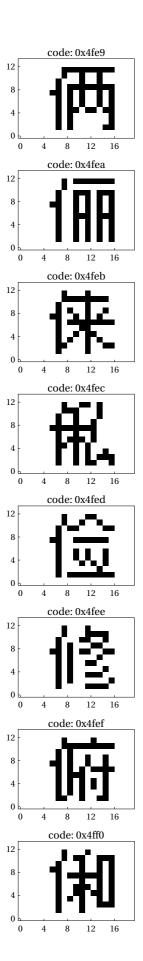
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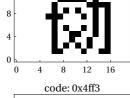


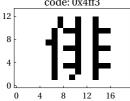


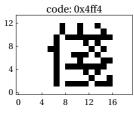


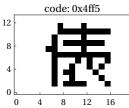


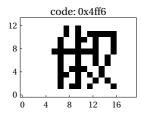


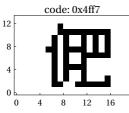


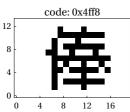


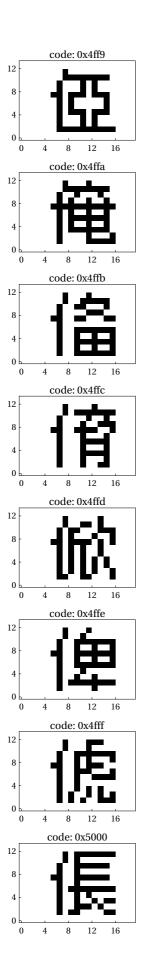




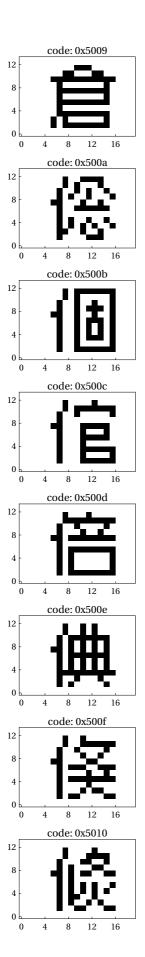


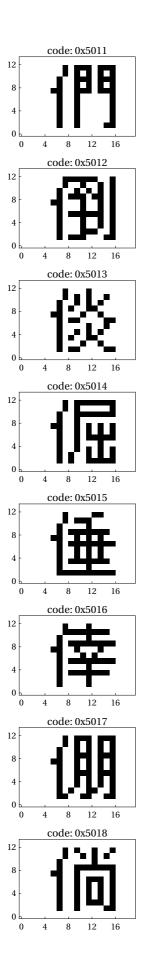


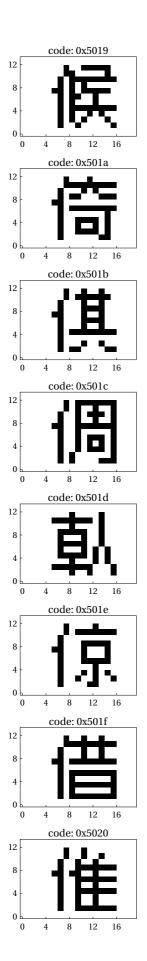


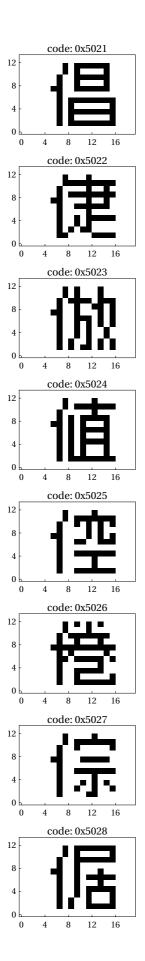


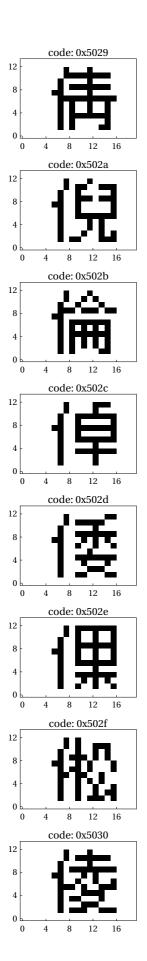
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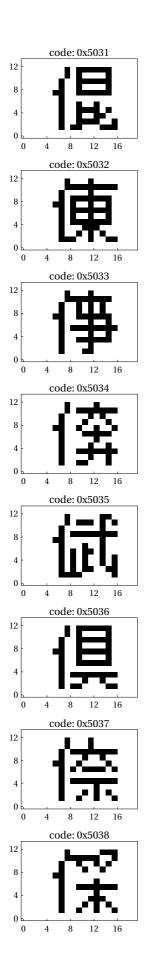


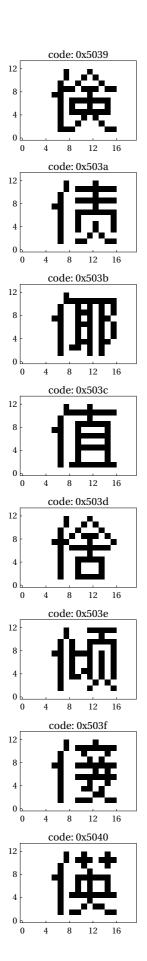


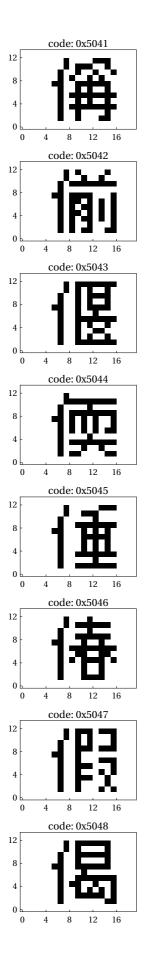


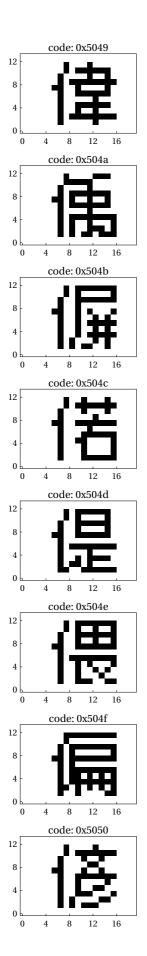


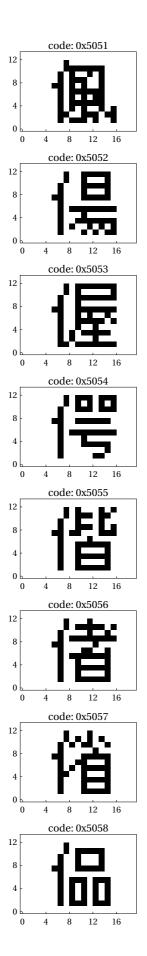


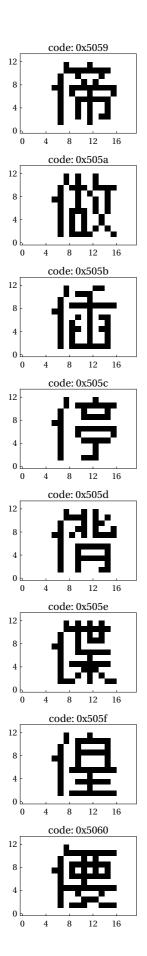


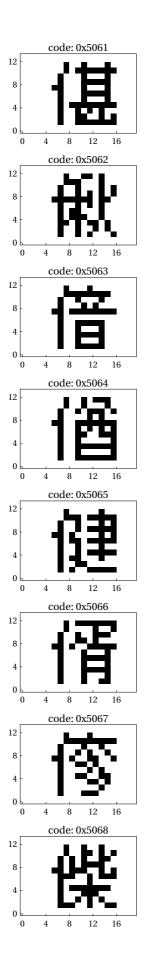


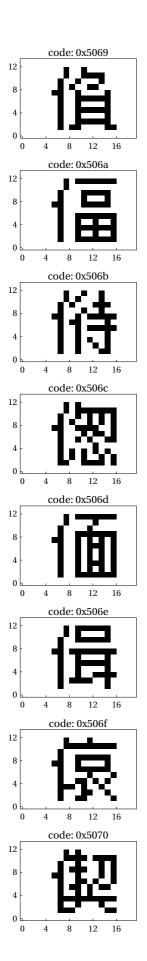


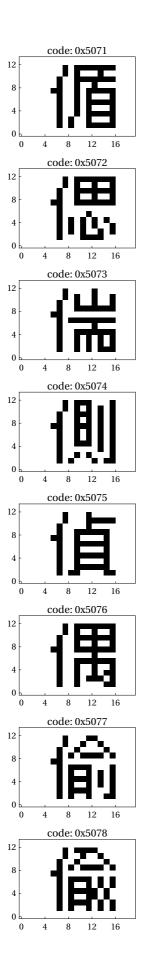


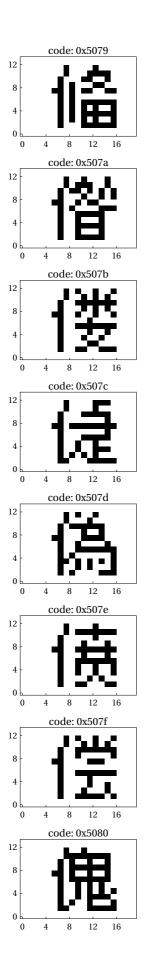


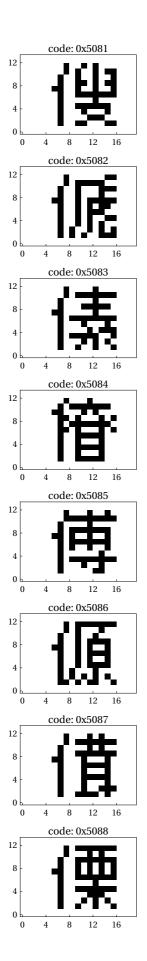


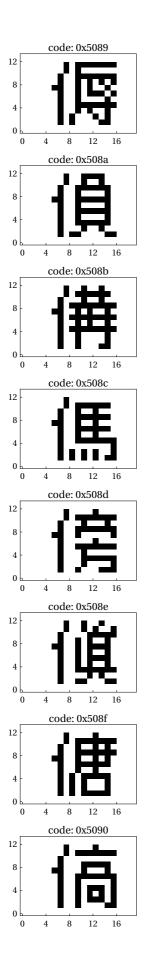


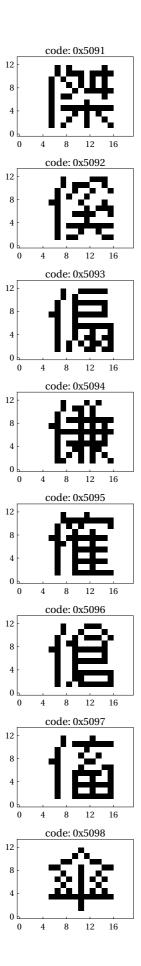


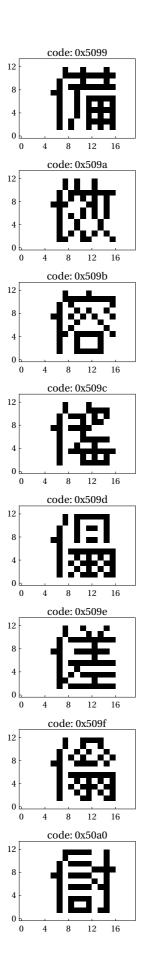


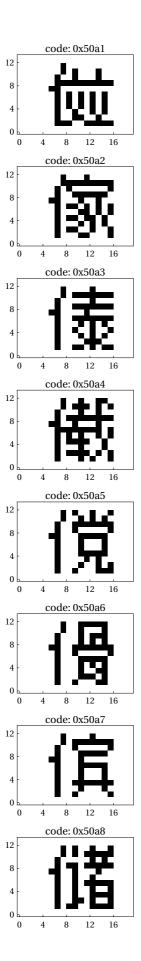


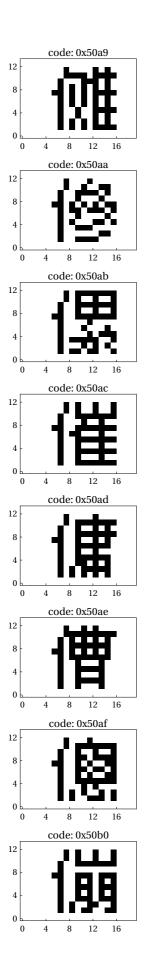


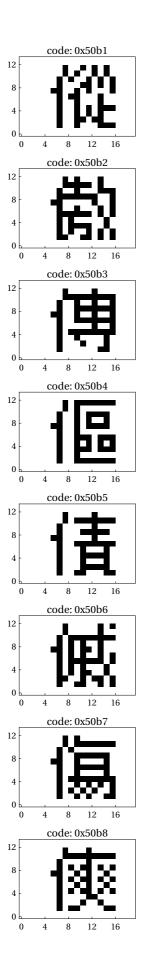


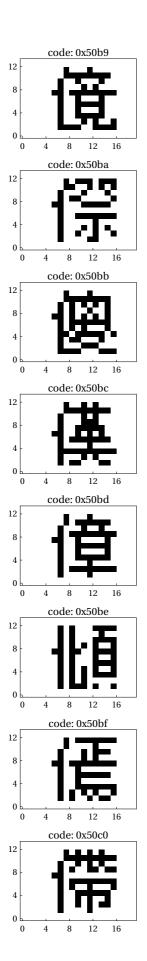


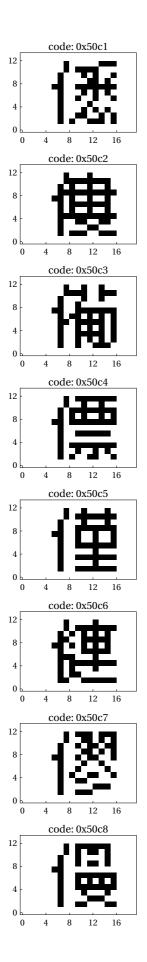


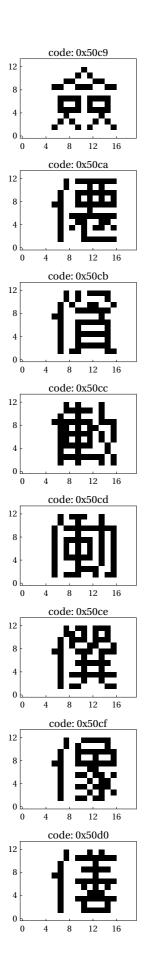


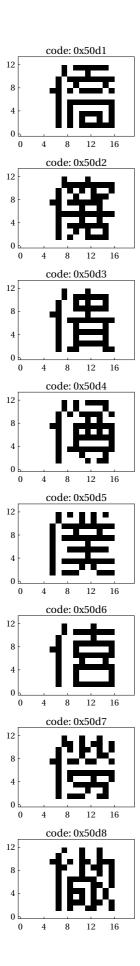


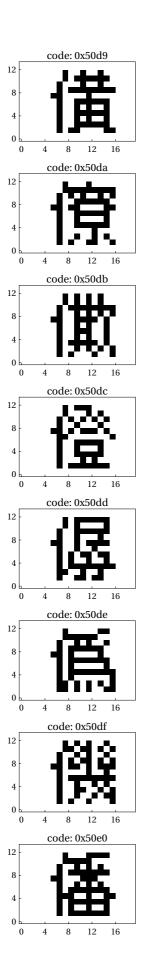


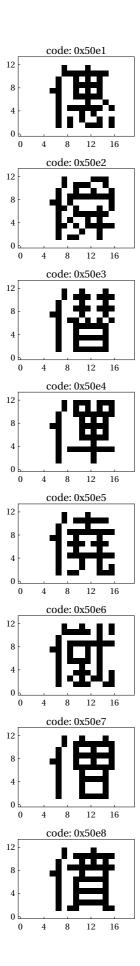


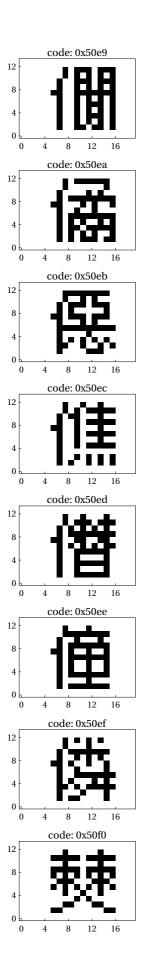


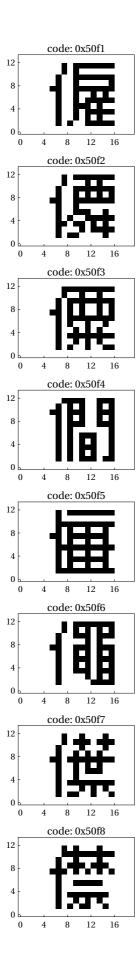


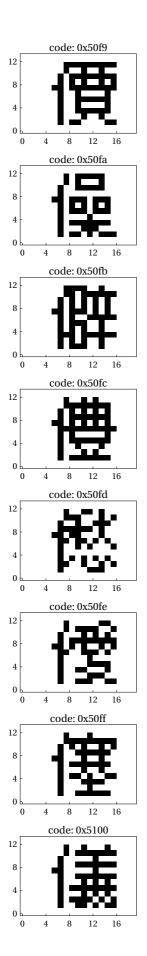


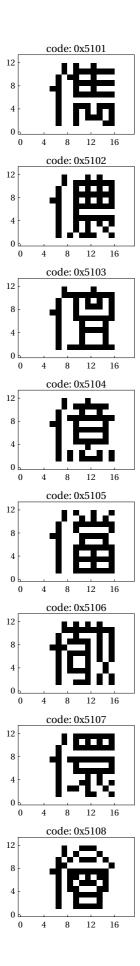


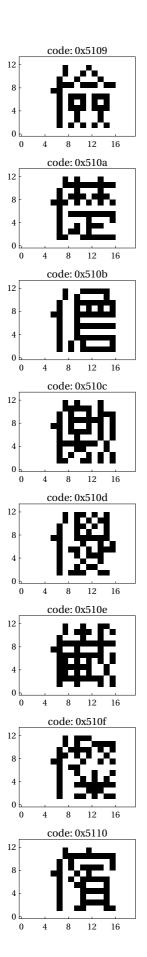


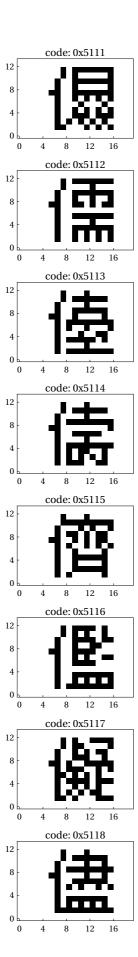


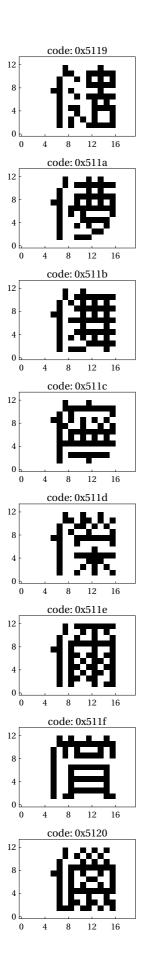


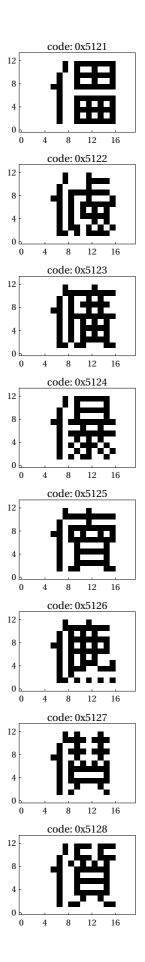


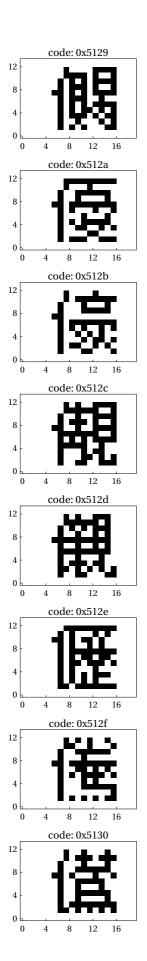


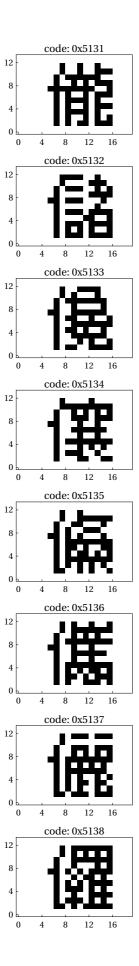


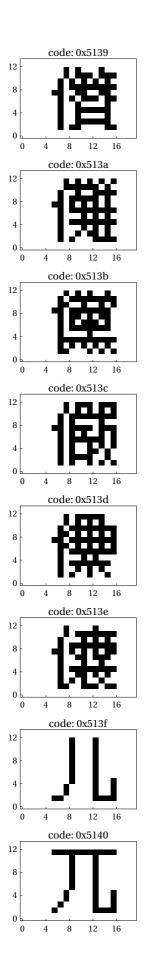


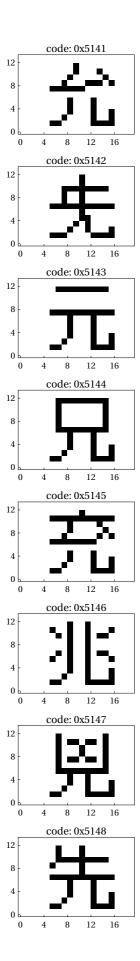


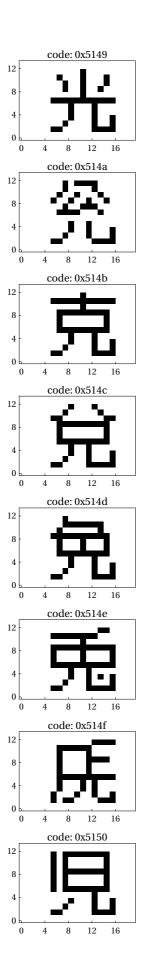


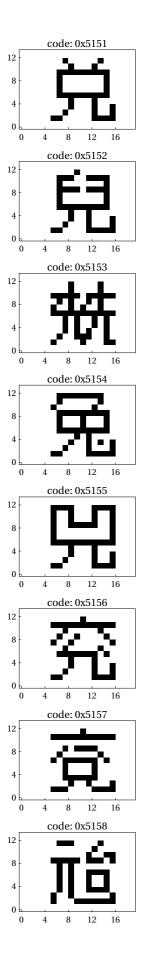


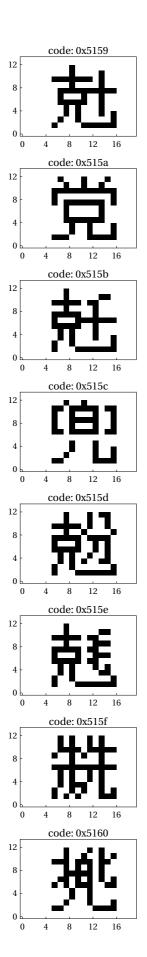


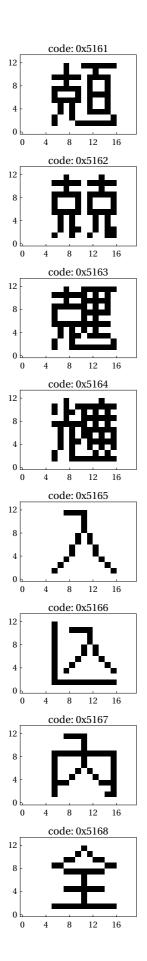


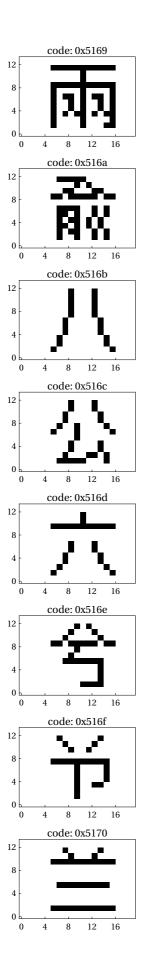


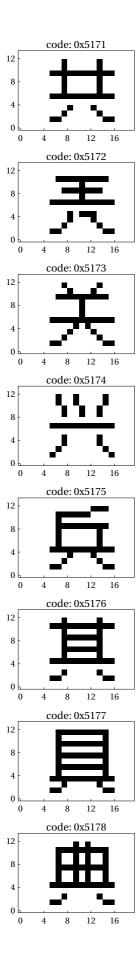


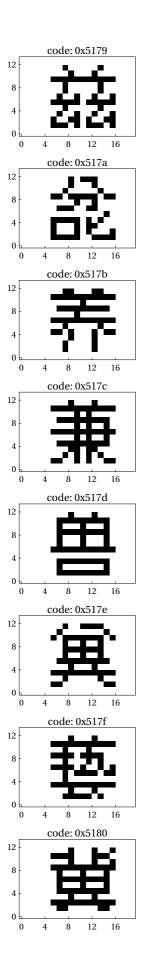


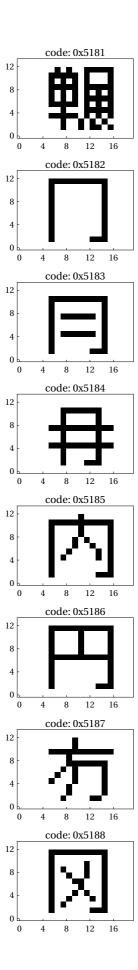


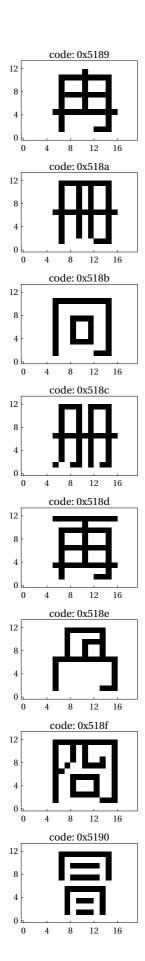


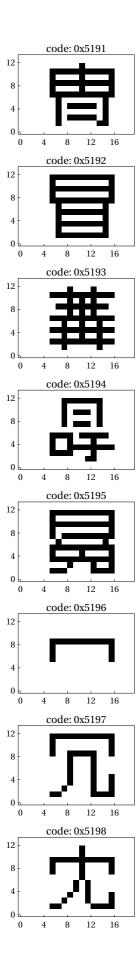


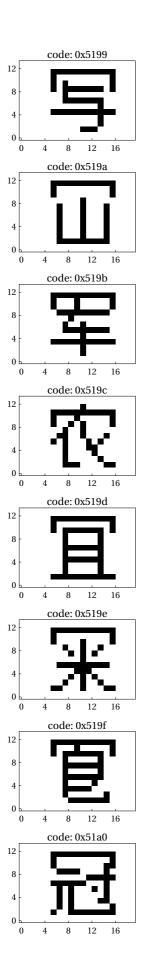


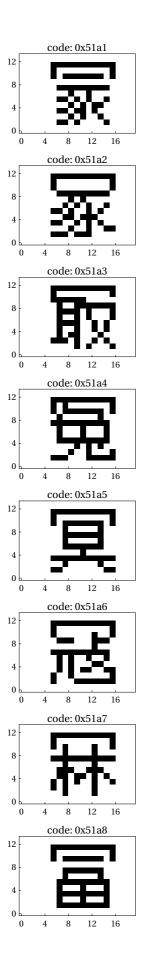


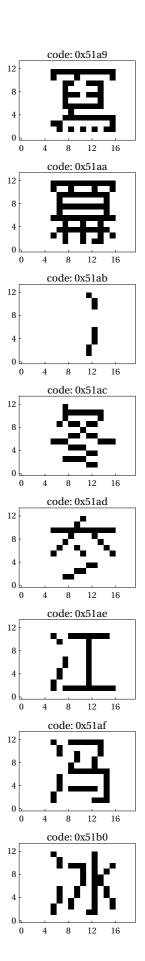


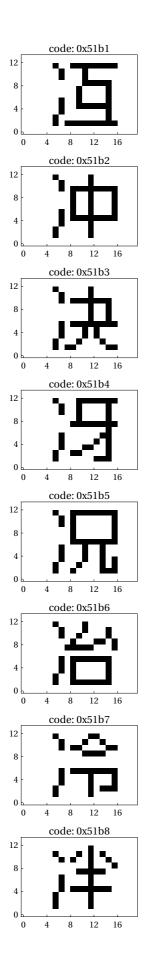


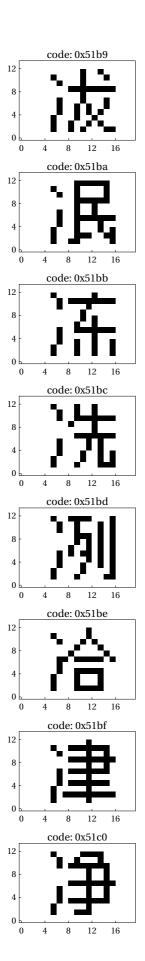












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