

## 1366 Woman of Cervara and Her Child



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## Instructions

Thank you for choosing Golden Kite products!  
We hope you will have lots of fun with this cross-stitch pattern!

### Fabric

Press the fabric with an iron if needed. A good thing to prevent the fabric from fraying is to machine zigzag the edges.

On large patterns, it is easiest to start from the upper left corner of the design. Make sure you have the proper margins before starting and that the fabric piece is of the correct size. The best way to verify this is to count all stitch positions on the fabric from the upper left corner downwards and to the right to make sure there is enough space for the design.

Some prefer to start in the center of the design instead. To locate the center of the fabric, fold the fabric in half both vertically and horizontally. The center is located where these two folds meet.

### Stitches

Each length of DMC tread consists of six strands.  
Use two of these strands for all stitches.

Note that some colors may be mixes (or blends) between two different pure colors. In that case take one strand of the two colors each and thread the two strands into the needle at the same time for stitching.

All stitches are full cross-stitches. No half-stitching and no back-stitching is necessary in this pattern.

All cross-stitches will be worked into the holes in the fabric from left to right. Always use the larger holes in the fabric for the stitches. Adjacent stitches should meet in the same hole. Make sure all stitches cross in the same direction.

Please be careful when washing the finished embroidery! The cotton thread may bleed when washed. Only hand wash it in lukewarm water. Remove excess water by roll it in a towel and lay it flat to air dry. Natural fabrics may shrink slightly when washed. We do not recommend washing the embroidery if not absolutely necessary and we take no responsibility for any damage that may occur.

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## Woman of Cervara and Her Child

| Stitch Count |     |
|--------------|-----|
| Horizontal:  | 600 |
| Vertical:    | 796 |

| Recommended Fabric Color |
|--------------------------|
| Antique White            |













































This table tells the size of the pattern (without any margins) and the size of the fabric required to stitch the pattern (including recommended margins). 3 inch margins have been added on each side in the 'Including Margins' row.

The sizes are given for 14, 16 and 18 stitches per inch fabrics.

Make sure to use the 'Including Margins' row when cutting the piece of fabric to be used. Also make sure that 3 inch margins are enough for your stitching technique and add more margin areas if necessary.

|                    | 14    |       |        |       | 16    |       |        |       | 18    |       |        |        |
|--------------------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|--------|--------|
|                    | Width |       | Height |       | Width |       | Height |       | Width |       | Height |        |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch   |
| Pattern:           | 109   | 42.75 | 145    | 56.73 | 95    | 37.4  | 127    | 49.64 | 85    | 33.25 | 113    | 44.125 |
| Including Margins: | 125   | 49    | 161    | 63    | 111   | 44    | 143    | 56    | 101   | 40    | 129    | 51     |
|                    | 10    |       |        |       | 12    |       |        |       | 24    |       |        |        |
|                    | Width |       | Height |       | Width |       | Height |       | Width |       | Height |        |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch   |
| Pattern:           | 152   | 59.85 | 203    | 79.42 | 127   | 49.87 | 169    | 66.18 | 63    | 24.93 | 84     | 33.09  |
| Including Margins: | 168   | 66    | 219    | 86    | 143   | 56    | 185    | 73    | 79    | 31    | 100    | 40     |
|                    | 25    |       |        |       | 26    |       |        |       | 27    |       |        |        |
|                    | Width |       | Height |       | Width |       | Height |       | Width |       | Height |        |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch   |
| Pattern:           | 61    | 23.94 | 81     | 31.76 | 58    | 23.01 | 78     | 30.54 | 56    | 22.16 | 75     | 29.41  |
| Including Margins: | 77    | 30    | 97     | 38    | 74    | 30    | 94     | 37    | 72    | 29    | 91     | 36     |
|                    | 28    |       |        |       | 30    |       |        |       | 32    |       |        |        |
|                    | Width |       | Height |       | Width |       | Height |       | Width |       | Height |        |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch   |
| Pattern:           | 54    | 21.37 | 72     | 28.36 | 50    | 19.95 | 67     | 26.47 | 47    | 18.7  | 63     | 24.81  |
| Including Margins: | 70    | 28    | 88     | 35    | 66    | 26    | 83     | 33    | 63    | 25    | 79     | 31     |

| Solid Color Stitches. Use two strands of the specified color for these stitches.    |     |                    |
|-------------------------------------------------------------------------------------|-----|--------------------|
| Symbol                                                                              | DMC | Name               |
|    | 223 | Shell Pink-LT      |
|    | 317 | Pewter Gray        |
|    | 356 | Terra Cotta-MD     |
|    | 371 | Mustard            |
|    | 372 | Mustard-LT         |
|    | 407 | Desert Sand-DK     |
|    | 413 | Pewter Gray-DK     |
|    | 414 | Steel Gray-DK      |
|    | 415 | Pearl Gray         |
|    | 451 | Shell Gray-DK      |
|    | 452 | Shell Gray-MD      |
|    | 453 | Shell Gray-LT      |
|    | 501 | Blue Green-DK      |
|    | 502 | Blue Green         |
|    | 503 | Blue Green-MD      |
|    | 522 | Fern Green         |
|    | 523 | Fern Green-LT      |
|    | 524 | Fern Green-VY LT   |
|   | 535 | Ash Gray-VY LT     |
|  | 610 | Drab Brown-DK      |
|  | 611 | Drab Brown         |
|  | 612 | Drab Brown-LT      |
|  | 613 | Drab Brown-VY LT   |
|  | 640 | Beige Gray-VY DK   |
|  | 642 | Beige Gray-DK      |
|  | 644 | Beige Gray-MD      |
|  | 645 | Beaver Gray-VY DK  |
|  | 646 | Beaver Gray-DK     |
|  | 647 | Beaver Gray-MD     |
|  | 648 | Beaver Gray-LT     |
|  | 712 | Cream              |
|  | 738 | Tan-VY LT          |
|  | 739 | Tan-UL VY LT       |
|  | 746 | Off White          |
|  | 754 | Peach-LT           |
|  | 762 | Pearl Gray-VY LT   |
|  | 772 | Yellow Green-VY LT |
|  | 822 | Beige Gray-LT      |
|  | 839 | Beige Brown-DK     |
|  | 840 | Beige Brown-MD     |
|  | 841 | Beige Brown-LT     |
|  | 842 | Beige Brown-VY LT  |
|  | 844 | Beaver Brown-UL DK |

|                                                                                     |      |                      |
|-------------------------------------------------------------------------------------|------|----------------------|
|    | 924  | Gray Green--VY DK    |
|    | 926  | Gray Green-MD        |
|    | 927  | Gray Green-LT        |
|    | 928  | Gray Green-VY LT     |
|    | 945  | Tawny                |
|    | 948  | Peach-VY LT          |
|    | 950  | Desert Sand-LT       |
|    | 951  | Tawny-LT             |
|    | 3011 | Khaki Green-DK       |
|    | 3012 | Khaki Green-MD       |
|    | 3013 | Khaki Green-LT       |
|    | 3021 | Brown Gray-VY DK     |
|    | 3022 | Brown Gray-MD        |
|    | 3023 | Brown Gray-LT        |
|    | 3024 | Brown Gray-VY LT     |
|    | 3031 | Mocha Brown-VY DK    |
|    | 3032 | Mocha Brown-MD       |
|    | 3047 | Yellow Beige-LT      |
|    | 3052 | Green Gray-MD        |
|    | 3053 | Green Gray           |
|    | 3072 | Beaver Gray-VY LT    |
|    | 3363 | Pine Green-MD        |
|   | 3756 | Baby Blue-UL VY LT   |
|  | 3768 | Gray Green-DK        |
|  | 3770 | Tawny-VY LT          |
|  | 3772 | Desert Sand-VY DK    |
|  | 3774 | Desert Sand-VY LT    |
|  | 3779 | Terra Cotta-UL VY LT |
|  | 3781 | Mocha Brown-DK       |
|  | 3782 | Mocha Brown-LT       |
|  | 3787 | Brown Gray-DK        |
|  | 3790 | Beige Gray-UL DK     |
|  | 3799 | Pewter Gray-VY DK    |
|  | 3815 | Celadon Green-DK     |
|  | 3817 | Celadon Green-LT     |
|  | 3823 | Yellow-UL Pale       |
|  | 3859 | Rosewood-LT          |
|  | 3860 | Cocoa                |
|  | 3861 | Cocoa-LT             |
|  | 3862 | Mocha Beige-DK       |
|  | 3863 | Mocha Beige-MD       |
|  | 3864 | Mocha Beige-LT       |
|  | 3865 | Winter White         |
|  | 3866 | Mocha Brown-UL VY LT |
|  | Ecru | Ecru                 |

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.

| Symbol | DMC1 | Name1                | DMC2 | Name2                |
|--------|------|----------------------|------|----------------------|
| ∅      | 840  | Beige Brown-MD       | 3032 | Mocha Brown-MD       |
| ∩      | 647  | Beaver Gray-MD       | 3861 | Cocoa-LT             |
| ▀      | 640  | Beige Gray-VY DK     | 3860 | Cocoa                |
| ▣      | 3787 | Brown Gray-DK        | 3790 | Beige Gray-UL DK     |
| ⬆      | 839  | Beige Brown-DK       | 3787 | Brown Gray-DK        |
| ⦿      | 844  | Beaver Brown-UL DK   | 3799 | Pewter Gray-VY DK    |
| ⊖      | 647  | Beaver Gray-MD       | 3782 | Mocha Brown-LT       |
| ▲      | 839  | Beige Brown-DK       | 3862 | Mocha Beige-DK       |
| ▲      | 840  | Beige Brown-MD       | 3772 | Desert Sand-VY DK    |
| ▲      | 640  | Beige Gray-VY DK     | 645  | Beaver Gray-VY DK    |
| ✕      | 844  | Beaver Brown-UL DK   | 3021 | Brown Gray-VY DK     |
| ⦿      | 503  | Blue Green-MD        | 646  | Beaver Gray-DK       |
| ⦿      | 841  | Beige Brown-LT       | 3032 | Mocha Brown-MD       |
| ⦿      | 3021 | Brown Gray-VY DK     | 3799 | Pewter Gray-VY DK    |
| ▣      | 413  | Pewter Gray-DK       | 844  | Beaver Brown-UL DK   |
| ⦿      | 414  | Steel Gray-DK        | 503  | Blue Green-MD        |
| ⦿      | 413  | Pewter Gray-DK       | 3799 | Pewter Gray-VY DK    |
| ↘      | 839  | Beige Brown-DK       | 869  | Hazelnut Brown-VY DK |
| ◀      | 407  | Desert Sand-DK       | 3863 | Mocha Beige-MD       |
| ★      | 640  | Beige Gray-VY DK     | 3863 | Mocha Beige-MD       |
| ✦      | 3022 | Brown Gray-MD        | 3032 | Mocha Brown-MD       |
| ◐      | 632  | Desert Sand-UL VY DK | 3862 | Mocha Beige-DK       |
| ✕      | 738  | Tan-VY LT            | 3864 | Mocha Beige-LT       |
| ✕      | 3740 | Antique Violet-DK    | 3787 | Brown Gray-DK        |
| ■      | 935  | Avocado Green-DK     | 3799 | Pewter Gray-VY DK    |
| :      | 951  | Tawny-LT             | 754  | Peach-LT             |
| ☾      | 356  | Terra Cotta-MD       | 632  | Desert Sand-UL VY DK |
| ◊      | 746  | Off White            | 3823 | Yellow-UL Pale       |
| ✕      | 841  | Beige Brown-LT       | 3782 | Mocha Brown-LT       |
| ☾      | 356  | Terra Cotta-MD       | 3772 | Desert Sand-VY DK    |
| ↘      | 371  | Mustard              | 840  | Beige Brown-MD       |
| ▣      | 407  | Desert Sand-DK       | 3864 | Mocha Beige-LT       |
| ⬇      | 520  | Fern Green-DK        | 3021 | Brown Gray-VY DK     |
| ➤      | 503  | Blue Green-MD        | 3022 | Brown Gray-MD        |
| ⦿      | 535  | Ash Gray-VY LT       | 645  | Beaver Gray-VY DK    |
| ⦿      | 640  | Beige Gray-VY DK     | 3052 | Green Gray-MD        |
| ●      | 935  | Avocado Green-DK     | 3021 | Brown Gray-VY DK     |
| ←      | 844  | Beaver Brown-UL DK   | 501  | Blue Green-DK        |
| ✕      | 501  | Blue Green-DK        | 3021 | Brown Gray-VY DK     |
| ◊      | 451  | Shell Gray-DK        | 646  | Beaver Gray-DK       |
| ⋮      | 3022 | Brown Gray-MD        | 3861 | Cocoa-LT             |
| ⬇      | 535  | Ash Gray-VY LT       | 3787 | Brown Gray-DK        |
| н      | 224  | Shell Pink-VY LT     | 452  | Shell Gray-MD        |
| ?      | 842  | Beige Brown-VY LT    | 738  | Tan-VY LT            |
| III    | 452  | Shell Gray-MD        | 3023 | Brown Gray-LT        |
| 7      | 224  | Shell Pink-VY LT     | 842  | Beige Brown-VY LT    |
| √      | 738  | Tan-VY LT            | 3779 | Terra Cotta-UL VY LT |
| · ·    | 738  | Tan-VY LT            | 224  | Shell Pink-VY LT     |
| н      | 738  | Tan-VY LT            | 950  | Desert Sand-LT       |
| ·      | 224  | Shell Pink-VY LT     | 524  | Fern Green-VY LT     |
| ⌘      | 223  | Shell Pink-LT        | 3032 | Mocha Brown-MD       |
| *      | 3032 | Mocha Brown-MD       | 451  | Shell Gray-DK        |
| \$     | 407  | Desert Sand-DK       | 841  | Beige Brown-LT       |

|  |      |                      |      |                       |
|--|------|----------------------|------|-----------------------|
|  | 535  | Ash Gray-VY LT       | 839  | Beige Brown-DK        |
|  | 738  | Tan-VY LT            | 3348 | Yellow Green-LT       |
|  | 738  | Tan-VY LT            | 739  | Tan-UL VY LT          |
|  | 645  | Beaver Gray-VY DK    | 3790 | Beige Gray-UL DK      |
|  | 3362 | Pine Green-DK        | 844  | Beaver Brown-UL DK    |
|  | 3823 | Yellow-UL Pale       | 951  | Tawny-LT              |
|  | 754  | Peach-LT             | 739  | Tan-UL VY LT          |
|  | 739  | Tan-UL VY LT         | 677  | Old Gold-VY LT        |
|  | 951  | Tawny-LT             | 677  | Old Gold-VY LT        |
|  | 738  | Tan-VY LT            | 3782 | Mocha Brown-LT        |
|  | 677  | Old Gold-VY LT       | 945  | Tawny                 |
|  | 407  | Desert Sand-DK       | 372  | Mustard-LT            |
|  | 3782 | Mocha Brown-LT       | 372  | Mustard-LT            |
|  | 738  | Tan-VY LT            | 758  | Terra Cotta-VY LT     |
|  | 437  | Tan-LT               | 677  | Old Gold-VY LT        |
|  | 407  | Desert Sand-DK       | 738  | Tan-VY LT             |
|  | 840  | Beige Brown-MD       | 3862 | Mocha Beige-DK        |
|  | 451  | Shell Gray-DK        | 223  | Shell Pink-LT         |
|  | 3756 | Baby Blue-UL VY LT   | 746  | Off White             |
|  | 3861 | Cocoa-LT             | 503  | Blue Green-MD         |
|  | 3823 | Yellow-UL Pale       | 3866 | Mocha Brown-UL VY LT  |
|  | 543  | Beige Brown-UL VY LT | 772  | Yellow Green-VY LT    |
|  | 644  | Beige Gray-MD        | 369  | Pistachio Green-VY LT |
|  | 645  | Beaver Gray-VY DK    | 646  | Beaver Gray-DK        |
|  | 746  | Off White            | 3865 | Winter White          |
|  | 924  | Gray Green--VY DK    | 501  | Blue Green-DK         |
|  | 502  | Blue Green           | 645  | Beaver Gray-VY DK     |
|  | 746  | Off White            | ecru | Ecru                  |
|  | 739  | Tan-UL VY LT         | 950  | Desert Sand-LT        |
|  | 3772 | Desert Sand-VY DK    | 3860 | Cocoa                 |
|  | 3047 | Yellow Beige-LT      | 772  | Yellow Green-VY LT    |
|  | 524  | Fern Green-VY LT     | 644  | Beige Gray-MD         |
|  | 3023 | Brown Gray-LT        | 647  | Beaver Gray-MD        |
|  | 524  | Fern Green-VY LT     | 3023 | Brown Gray-LT         |
|  | 611  | Drab Brown           | 3863 | Mocha Beige-MD        |
|  | 3740 | Antique Violet-DK    | 645  | Beaver Gray-VY DK     |
|  | 3032 | Mocha Brown-MD       | 3861 | Cocoa-LT              |
|  | 3861 | Cocoa-LT             | 3864 | Mocha Beige-LT        |
|  | 3362 | Pine Green-DK        | 3787 | Brown Gray-DK         |
|  | 839  | Beige Brown-DK       | 3362 | Pine Green-DK         |
|  | 501  | Blue Green-DK        | 3799 | Pewter Gray-VY DK     |
|  | 3813 | Blue Green-LT        | 927  | Gray Green-LT         |
|  | 928  | Gray Green-VY LT     | 3813 | Blue Green-LT         |
|  | 503  | Blue Green-MD        | 926  | Gray Green-MD         |
|  | 926  | Gray Green-MD        | 646  | Beaver Gray-DK        |
|  | 502  | Blue Green           | 3768 | Gray Green-DK         |
|  | 610  | Drab Brown-DK        | 3362 | Pine Green-DK         |
|  | 503  | Blue Green-MD        | 927  | Gray Green-LT         |
|  | 644  | Beige Gray-MD        | 928  | Gray Green-VY LT      |
|  | 3024 | Brown Gray-VY LT     | 369  | Pistachio Green-VY LT |
|  | 502  | Blue Green           | 523  | Fern Green-LT         |
|  | 415  | Pearl Gray           | 3023 | Brown Gray-LT         |
|  | 928  | Gray Green-VY LT     | 3024 | Brown Gray-VY LT      |
|  | 524  | Fern Green-VY LT     | 3813 | Blue Green-LT         |
|  | 611  | Drab Brown           | 3011 | Khaki Green-DK        |

This table specifies how much thread of each color is required to stitch this pattern. It is good to know that one complete DMC skein contains 313 inches (795 cm) thread.

| DMC | Name                  | Usage<br>(cm) | Usage<br>(inch) | Usage<br>(cm) | Usage<br>(inch) | Usage<br>(cm) | Usage<br>(inch) |
|-----|-----------------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|
|     |                       | 14            |                 | 16            |                 | 18            |                 |
| 223 | Shell Pink-LT         | 254           | 100             | 242           | 95              | 217           | 85              |
| 224 | Shell Pink-VY LT      | 853           | 335             | 812           | 319             | 731           | 287             |
| 317 | Pewter Gray           | 69            | 27              | 66            | 25              | 59            | 23              |
| 356 | Terra Cotta-MD        | 42            | 16              | 40            | 15              | 36            | 14              |
| 369 | Pistachio Green-VY LT | 320           | 125             | 305           | 120             | 275           | 108             |
| 371 | Mustard               | 76            | 29              | 73            | 28              | 65            | 25              |
| 372 | Mustard-LT            | 209           | 82              | 199           | 78              | 179           | 70              |
| 407 | Desert Sand-DK        | 678           | 266             | 646           | 254             | 581           | 228             |
| 413 | Pewter Gray-DK        | 500           | 196             | 476           | 187             | 429           | 168             |
| 414 | Steel Gray-DK         | 138           | 54              | 131           | 51              | 118           | 46              |
| 415 | Pearl Gray            | 91            | 35              | 87            | 34              | 78            | 30              |
| 437 | Tan-LT                | 39            | 15              | 37            | 14              | 33            | 12              |
| 451 | Shell Gray-DK         | 787           | 309             | 749           | 294             | 674           | 265             |
| 452 | Shell Gray-MD         | 131           | 51              | 124           | 48              | 112           | 44              |
| 453 | Shell Gray-LT         | 46            | 18              | 44            | 17              | 39            | 15              |
| 501 | Blue Green-DK         | 612           | 240             | 583           | 229             | 525           | 206             |
| 502 | Blue Green            | 173           | 68              | 164           | 64              | 148           | 58              |
| 503 | Blue Green-MD         | 899           | 353             | 856           | 337             | 770           | 303             |
| 520 | Fern Green-DK         | 68            | 26              | 65            | 25              | 58            | 22              |
| 522 | Fern Green            | 67            | 26              | 63            | 24              | 57            | 22              |
| 523 | Fern Green-LT         | 142           | 55              | 135           | 53              | 122           | 48              |
| 524 | Fern Green-VY LT      | 1070          | 421             | 1019          | 401             | 917           | 361             |
| 535 | Ash Gray-VY LT        | 2747          | 1081            | 2616          | 1029            | 2354          | 926             |
| 543 | Beige Brown-UL VY LT  | 255           | 100             | 243           | 95              | 218           | 85              |
| 610 | Drab Brown-DK         | 142           | 55              | 135           | 53              | 121           | 47              |
| 611 | Drab Brown            | 162           | 63              | 154           | 60              | 139           | 54              |
| 612 | Drab Brown-LT         | 63            | 24              | 60            | 23              | 54            | 21              |
| 613 | Drab Brown-VY LT      | 373           | 146             | 356           | 140             | 320           | 125             |
| 632 | Desert Sand-UL VY DK  | 59            | 23              | 56            | 22              | 51            | 20              |
| 640 | Beige Gray-VY DK      | 1959          | 771             | 1866          | 734             | 1679          | 661             |
| 642 | Beige Gray-DK         | 190           | 74              | 181           | 71              | 163           | 64              |
| 644 | Beige Gray-MD         | 655           | 257             | 623           | 245             | 561           | 220             |
| 645 | Beaver Gray-VY DK     | 2872          | 1130            | 2735          | 1076            | 2461          | 968             |
| 646 | Beaver Gray-DK        | 933           | 367             | 889           | 350             | 800           | 314             |
| 647 | Beaver Gray-MD        | 696           | 274             | 662           | 260             | 596           | 234             |
| 648 | Beaver Gray-LT        | 53            | 20              | 50            | 19              | 45            | 17              |
| 677 | Old Gold-VY LT        | 772           | 303             | 735           | 289             | 662           | 260             |
| 712 | Cream                 | 131           | 51              | 125           | 49              | 112           | 44              |
| 738 | Tan-VY LT             | 2387          | 939             | 2273          | 894             | 2046          | 805             |
| 739 | Tan-UL VY LT          | 1625          | 639             | 1548          | 609             | 1393          | 548             |
| 746 | Off White             | 4543          | 1788            | 4326          | 1703            | 3894          | 1533            |
| 754 | Peach-LT              | 596           | 234             | 568           | 223             | 511           | 201             |
| 758 | Terra Cotta-VY LT     | 21            | 8               | 20            | 7               | 18            | 7               |
| 762 | Pearl Gray-VY LT      | 32            | 12              | 30            | 11              | 27            | 10              |
| 772 | Yellow Green-VY LT    | 381           | 150             | 363           | 142             | 327           | 128             |
| 822 | Beige Gray-LT         | 136           | 53              | 129           | 50              | 116           | 45              |
| 839 | Beige Brown-DK        | 1947          | 766             | 1854          | 729             | 1668          | 656             |
| 840 | Beige Brown-MD        | 1017          | 400             | 968           | 381             | 872           | 343             |
| 841 | Beige Brown-LT        | 1381          | 543             | 1315          | 517             | 1184          | 466             |
| 842 | Beige Brown-VY LT     | 972           | 382             | 926           | 364             | 833           | 327             |
| 844 | Beaver Brown-UL DK    | 6310          | 2484            | 6009          | 2365            | 5408          | 2129            |
| 869 | Hazelnut Brown-VY DK  | 7             | 2               | 6             | 2               | 6             | 2               |
| 924 | Gray Green--VY DK     | 92            | 36              | 88            | 34              | 79            | 31              |



|      |                      |       |       |       |       |       |       |
|------|----------------------|-------|-------|-------|-------|-------|-------|
| 926  | Gray Green-MD        | 326   | 128   | 310   | 122   | 279   | 109   |
| 927  | Gray Green-LT        | 776   | 305   | 739   | 290   | 665   | 261   |
| 928  | Gray Green-VY LT     | 648   | 255   | 617   | 242   | 555   | 218   |
| 935  | Avocado Green-DK     | 8372  | 3296  | 7973  | 3138  | 7176  | 2825  |
| 945  | Tawny                | 776   | 305   | 739   | 290   | 665   | 261   |
| 948  | Peach-VY LT          | 42    | 16    | 40    | 15    | 36    | 14    |
| 950  | Desert Sand-LT       | 1352  | 532   | 1288  | 507   | 1159  | 456   |
| 951  | Tawny-LT             | 1938  | 762   | 1846  | 726   | 1661  | 653   |
| 3011 | Khaki Green-DK       | 42    | 16    | 40    | 15    | 36    | 14    |
| 3012 | Khaki Green-MD       | 11    | 4     | 10    | 3     | 9     | 3     |
| 3013 | Khaki Green-LT       | 5     | 1     | 5     | 1     | 4     | 1     |
| 3021 | Brown Gray-VY DK     | 7935  | 3124  | 7558  | 2975  | 6802  | 2677  |
| 3022 | Brown Gray-MD        | 453   | 178   | 431   | 169   | 388   | 152   |
| 3023 | Brown Gray-LT        | 372   | 146   | 354   | 139   | 319   | 125   |
| 3024 | Brown Gray-VY LT     | 414   | 162   | 394   | 155   | 354   | 139   |
| 3031 | Mocha Brown-VY DK    | 22    | 8     | 21    | 8     | 19    | 7     |
| 3032 | Mocha Brown-MD       | 1825  | 718   | 1738  | 684   | 1564  | 615   |
| 3047 | Yellow Beige-LT      | 151   | 59    | 144   | 56    | 130   | 51    |
| 3052 | Green Gray-MD        | 157   | 61    | 149   | 58    | 134   | 52    |
| 3053 | Green Gray           | 46    | 18    | 44    | 17    | 39    | 15    |
| 3072 | Beaver Gray-VY LT    | 225   | 88    | 214   | 84    | 193   | 75    |
| 3348 | Yellow Green-LT      | 10    | 3     | 10    | 3     | 9     | 3     |
| 3362 | Pine Green-DK        | 671   | 264   | 639   | 251   | 575   | 226   |
| 3363 | Pine Green-MD        | 22    | 8     | 21    | 8     | 19    | 7     |
| 3740 | Antique Violet-DK    | 183   | 72    | 175   | 68    | 157   | 61    |
| 3756 | Baby Blue-UL VY LT   | 311   | 122   | 297   | 116   | 267   | 105   |
| 3768 | Gray Green-DK        | 56    | 22    | 54    | 21    | 48    | 18    |
| 3770 | Tawny-VY LT          | 7     | 2     | 6     | 2     | 6     | 2     |
| 3772 | Desert Sand-VY DK    | 209   | 82    | 199   | 78    | 179   | 70    |
| 3774 | Desert Sand-VY LT    | 181   | 71    | 172   | 67    | 155   | 61    |
| 3779 | Terra Cotta-UL VY LT | 171   | 67    | 163   | 64    | 146   | 57    |
| 3781 | Mocha Brown-DK       | 20    | 7     | 19    | 7     | 17    | 6     |
| 3782 | Mocha Brown-LT       | 1304  | 513   | 1241  | 488   | 1117  | 439   |
| 3787 | Brown Gray-DK        | 5578  | 2196  | 5313  | 2091  | 4781  | 1882  |
| 3790 | Beige Gray-UL DK     | 1906  | 750   | 1815  | 714   | 1633  | 642   |
| 3799 | Pewter Gray-VY DK    | 45914 | 18076 | 43728 | 17215 | 39355 | 15494 |
| 3813 | Blue Green-LT        | 458   | 180   | 436   | 171   | 392   | 154   |
| 3815 | Celadon Green-DK     | 4     | 1     | 4     | 1     | 4     | 1     |
| 3817 | Celadon Green-LT     | 21    | 8     | 20    | 7     | 18    | 7     |
| 3823 | Yellow-UL Pale       | 4062  | 1599  | 3868  | 1522  | 3481  | 1370  |
| 3859 | Rosewood-LT          | 9     | 3     | 9     | 3     | 8     | 3     |
| 3860 | Cocoa                | 726   | 285   | 692   | 272   | 622   | 244   |
| 3861 | Cocoa-LT             | 1168  | 459   | 1113  | 438   | 1001  | 394   |
| 3862 | Mocha Beige-DK       | 385   | 151   | 367   | 144   | 330   | 129   |
| 3863 | Mocha Beige-MD       | 339   | 133   | 322   | 126   | 290   | 114   |
| 3864 | Mocha Beige-LT       | 1905  | 750   | 1814  | 714   | 1633  | 642   |
| 3865 | Winter White         | 1161  | 457   | 1106  | 435   | 995   | 391   |
| 3866 | Mocha Brown-UL VY LT | 530   | 208   | 505   | 198   | 454   | 178   |
| ecru | Ecu                  | 769   | 302   | 733   | 288   | 659   | 259   |

| Extended thread usage table. |                  |            |              |            |              |            |              |
|------------------------------|------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name             | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                  | 10         |              | 12         |              | 24         |              |
| 223                          | Shell Pink-LT    | 391        | 153          | 326        | 128          | 163        | 64           |
| 224                          | Shell Pink-VY LT | 1316       | 517          | 1097       | 431          | 548        | 215          |
| 317                          | Pewter Gray      | 106        | 41           | 89         | 35           | 44         | 17           |



|      |                       |       |      |       |      |      |      |
|------|-----------------------|-------|------|-------|------|------|------|
| 356  | Terra Cotta-MD        | 65    | 25   | 54    | 21   | 27   | 11   |
| 369  | Pistachio Green-VY LT | 495   | 194  | 413   | 162  | 206  | 81   |
| 371  | Mustard               | 117   | 45   | 98    | 38   | 49   | 19   |
| 372  | Mustard-LT            | 322   | 126  | 269   | 105  | 134  | 53   |
| 407  | Desert Sand-DK        | 1046  | 410  | 872   | 342  | 436  | 171  |
| 413  | Pewter Gray-DK        | 772   | 302  | 644   | 252  | 322  | 126  |
| 414  | Steel Gray-DK         | 212   | 83   | 177   | 69   | 89   | 35   |
| 415  | Pearl Gray            | 140   | 54   | 117   | 45   | 59   | 23   |
| 437  | Tan-LT                | 59    | 22   | 50    | 18   | 25   | 9    |
| 451  | Shell Gray-DK         | 1213  | 477  | 1011  | 398  | 506  | 199  |
| 452  | Shell Gray-MD         | 202   | 79   | 168   | 66   | 84   | 33   |
| 453  | Shell Gray-LT         | 70    | 27   | 59    | 23   | 29   | 11   |
| 501  | Blue Green-DK         | 945   | 371  | 788   | 309  | 394  | 155  |
| 502  | Blue Green            | 266   | 104  | 222   | 87   | 111  | 44   |
| 503  | Blue Green-MD         | 1386  | 545  | 1155  | 455  | 578  | 227  |
| 520  | Fern Green-DK         | 104   | 40   | 87    | 33   | 44   | 17   |
| 522  | Fern Green            | 103   | 40   | 86    | 33   | 43   | 17   |
| 523  | Fern Green-LT         | 220   | 86   | 183   | 72   | 92   | 36   |
| 524  | Fern Green-VY LT      | 1651  | 650  | 1376  | 542  | 688  | 271  |
| 535  | Ash Gray-VY LT        | 4237  | 1667 | 3531  | 1389 | 1766 | 695  |
| 543  | Beige Brown-UL VY LT  | 392   | 153  | 327   | 128  | 164  | 64   |
| 610  | Drab Brown-DK         | 218   | 85   | 182   | 71   | 91   | 35   |
| 611  | Drab Brown            | 250   | 97   | 209   | 81   | 104  | 41   |
| 612  | Drab Brown-LT         | 97    | 38   | 81    | 32   | 41   | 16   |
| 613  | Drab Brown-VY LT      | 576   | 225  | 480   | 188  | 240  | 94   |
| 632  | Desert Sand-UL VY DK  | 92    | 36   | 77    | 30   | 38   | 15   |
| 640  | Beige Gray-VY DK      | 3022  | 1190 | 2519  | 992  | 1259 | 496  |
| 642  | Beige Gray-DK         | 293   | 115  | 245   | 96   | 122  | 48   |
| 644  | Beige Gray-MD         | 1010  | 396  | 842   | 330  | 421  | 165  |
| 645  | Beaver Gray-VY DK     | 4430  | 1742 | 3692  | 1452 | 1846 | 726  |
| 646  | Beaver Gray-DK        | 1440  | 565  | 1200  | 471  | 600  | 236  |
| 647  | Beaver Gray-MD        | 1073  | 421  | 894   | 351  | 447  | 176  |
| 648  | Beaver Gray-LT        | 81    | 31   | 68    | 26   | 34   | 13   |
| 677  | Old Gold-VY LT        | 1192  | 468  | 993   | 390  | 497  | 195  |
| 712  | Cream                 | 202   | 79   | 168   | 66   | 84   | 33   |
| 738  | Tan-VY LT             | 3683  | 1449 | 3069  | 1208 | 1535 | 604  |
| 739  | Tan-UL VY LT          | 2507  | 986  | 2090  | 822  | 1045 | 411  |
| 746  | Off White             | 7009  | 2759 | 5841  | 2300 | 2921 | 1150 |
| 754  | Peach-LT              | 920   | 362  | 767   | 302  | 383  | 151  |
| 758  | Terra Cotta-VY LT     | 32    | 13   | 27    | 11   | 14   | 5    |
| 762  | Pearl Gray-VY LT      | 49    | 18   | 41    | 15   | 20   | 8    |
| 772  | Yellow Green-VY LT    | 589   | 230  | 491   | 192  | 245  | 96   |
| 822  | Beige Gray-LT         | 209   | 81   | 174   | 68   | 87   | 34   |
| 839  | Beige Brown-DK        | 3002  | 1181 | 2502  | 984  | 1251 | 492  |
| 840  | Beige Brown-MD        | 1570  | 617  | 1308  | 515  | 654  | 257  |
| 841  | Beige Brown-LT        | 2131  | 839  | 1776  | 699  | 888  | 350  |
| 842  | Beige Brown-VY LT     | 1499  | 589  | 1250  | 491  | 625  | 245  |
| 844  | Beaver Brown-UL DK    | 9734  | 3832 | 8112  | 3194 | 4056 | 1597 |
| 869  | Hazelnut Brown-VY DK  | 11    | 4    | 9     | 3    | 5    | 2    |
| 924  | Gray Green--VY DK     | 142   | 56   | 119   | 47   | 59   | 23   |
| 926  | Gray Green-MD         | 502   | 196  | 419   | 164  | 209  | 82   |
| 927  | Gray Green-LT         | 1197  | 470  | 998   | 392  | 499  | 196  |
| 928  | Gray Green-VY LT      | 999   | 392  | 833   | 327  | 416  | 164  |
| 935  | Avocado Green-DK      | 12917 | 5085 | 10764 | 4238 | 5382 | 2119 |
| 945  | Tawny                 | 1197  | 470  | 998   | 392  | 499  | 196  |
| 948  | Peach-VY LT           | 65    | 25   | 54    | 21   | 27   | 11   |
| 950  | Desert Sand-LT        | 2086  | 821  | 1739  | 684  | 869  | 342  |
| 951  | Tawny-LT              | 2990  | 1175 | 2492  | 980  | 1246 | 490  |
| 3011 | Khaki Green-DK        | 65    | 25   | 54    | 21   | 27   | 11   |

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|      |                      |       |       |       |       |       |       |
|------|----------------------|-------|-------|-------|-------|-------|-------|
| 3012 | Khaki Green-MD       | 16    | 5     | 14    | 5     | 7     | 2     |
| 3013 | Khaki Green-LT       | 7     | 2     | 6     | 2     | 3     | 1     |
| 3021 | Brown Gray-VY DK     | 12244 | 4819  | 10203 | 4016  | 5102  | 2008  |
| 3022 | Brown Gray-MD        | 698   | 274   | 582   | 228   | 291   | 114   |
| 3023 | Brown Gray-LT        | 574   | 225   | 479   | 188   | 239   | 94    |
| 3024 | Brown Gray-VY LT     | 637   | 250   | 531   | 209   | 266   | 104   |
| 3031 | Mocha Brown-VY DK    | 34    | 13    | 29    | 11    | 14    | 5     |
| 3032 | Mocha Brown-MD       | 2815  | 1107  | 2346  | 923   | 1173  | 461   |
| 3047 | Yellow Beige-LT      | 234   | 92    | 195   | 77    | 98    | 38    |
| 3052 | Green Gray-MD        | 241   | 94    | 201   | 78    | 101   | 39    |
| 3053 | Green Gray           | 70    | 27    | 59    | 23    | 29    | 11    |
| 3072 | Beaver Gray-VY LT    | 347   | 135   | 290   | 113   | 145   | 56    |
| 3348 | Yellow Green-LT      | 16    | 5     | 14    | 5     | 7     | 2     |
| 3362 | Pine Green-DK        | 1035  | 407   | 863   | 339   | 431   | 170   |
| 3363 | Pine Green-MD        | 34    | 13    | 29    | 11    | 14    | 5     |
| 3740 | Antique Violet-DK    | 283   | 110   | 236   | 92    | 118   | 46    |
| 3756 | Baby Blue-UL VY LT   | 481   | 189   | 401   | 158   | 200   | 79    |
| 3768 | Gray Green-DK        | 86    | 32    | 72    | 27    | 36    | 14    |
| 3770 | Tawny-VY LT          | 11    | 4     | 9     | 3     | 5     | 2     |
| 3772 | Desert Sand-VY DK    | 322   | 126   | 269   | 105   | 134   | 53    |
| 3774 | Desert Sand-VY LT    | 279   | 110   | 233   | 92    | 116   | 46    |
| 3779 | Terra Cotta-UL VY LT | 263   | 103   | 219   | 86    | 110   | 43    |
| 3781 | Mocha Brown-DK       | 31    | 11    | 26    | 9     | 13    | 5     |
| 3782 | Mocha Brown-LT       | 2011  | 790   | 1676  | 659   | 838   | 329   |
| 3787 | Brown Gray-DK        | 8606  | 3388  | 7172  | 2823  | 3586  | 1412  |
| 3790 | Beige Gray-UL DK     | 2939  | 1156  | 2450  | 963   | 1225  | 482   |
| 3799 | Pewter Gray-VY DK    | 70839 | 27889 | 59033 | 23241 | 29516 | 11621 |
| 3813 | Blue Green-LT        | 706   | 277   | 588   | 231   | 294   | 116   |
| 3815 | Celadon Green-DK     | 7     | 2     | 6     | 2     | 3     | 1     |
| 3817 | Celadon Green-LT     | 32    | 13    | 27    | 11    | 14    | 5     |
| 3823 | Yellow-UL Pale       | 6266  | 2466  | 5222  | 2055  | 2611  | 1028  |
| 3859 | Rosewood-LT          | 14    | 5     | 12    | 5     | 6     | 2     |
| 3860 | Cocoa                | 1120  | 439   | 933   | 366   | 467   | 183   |
| 3861 | Cocoa-LT             | 1802  | 709   | 1502  | 591   | 751   | 296   |
| 3862 | Mocha Beige-DK       | 594   | 232   | 495   | 194   | 248   | 97    |
| 3863 | Mocha Beige-MD       | 522   | 205   | 435   | 171   | 218   | 86    |
| 3864 | Mocha Beige-LT       | 2939  | 1156  | 2450  | 963   | 1225  | 482   |
| 3865 | Winter White         | 1791  | 704   | 1493  | 587   | 746   | 293   |
| 3866 | Mocha Brown-UL VY LT | 817   | 320   | 681   | 267   | 341   | 134   |
| ecru | Ecru                 | 1186  | 466   | 989   | 389   | 494   | 194   |

| Extended thread usage table. |                       |            |              |            |              |            |              |
|------------------------------|-----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name                  | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                       | 25         |              | 26         |              | 27         |              |
| 223                          | Shell Pink-LT         | 156        | 61           | 150        | 59           | 145        | 57           |
| 224                          | Shell Pink-VY LT      | 526        | 207          | 506        | 199          | 487        | 191          |
| 317                          | Pewter Gray           | 42         | 17           | 41         | 16           | 39         | 15           |
| 356                          | Terra Cotta-MD        | 26         | 10           | 25         | 10           | 24         | 9            |
| 369                          | Pistachio Green-VY LT | 198        | 78           | 190        | 75           | 183        | 72           |
| 371                          | Mustard               | 47         | 18           | 45         | 17           | 43         | 17           |
| 372                          | Mustard-LT            | 129        | 50           | 124        | 48           | 119        | 47           |
| 407                          | Desert Sand-DK        | 418        | 164          | 402        | 158          | 387        | 152          |
| 413                          | Pewter Gray-DK        | 309        | 121          | 297        | 116          | 286        | 112          |
| 414                          | Steel Gray-DK         | 85         | 33           | 82         | 32           | 79         | 31           |
| 415                          | Pearl Gray            | 56         | 22           | 54         | 21           | 52         | 20           |
| 437                          | Tan-LT                | 24         | 9            | 23         | 8            | 22         | 8            |

|      |                      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|
| 451  | Shell Gray-DK        | 485  | 191  | 467  | 183  | 449  | 177  |
| 452  | Shell Gray-MD        | 81   | 32   | 78   | 30   | 75   | 29   |
| 453  | Shell Gray-LT        | 28   | 11   | 27   | 10   | 26   | 10   |
| 501  | Blue Green-DK        | 378  | 148  | 363  | 143  | 350  | 137  |
| 502  | Blue Green           | 107  | 42   | 102  | 40   | 99   | 39   |
| 503  | Blue Green-MD        | 554  | 218  | 533  | 210  | 513  | 202  |
| 520  | Fern Green-DK        | 42   | 16   | 40   | 15   | 39   | 15   |
| 522  | Fern Green           | 41   | 16   | 39   | 15   | 38   | 15   |
| 523  | Fern Green-LT        | 88   | 35   | 84   | 33   | 81   | 32   |
| 524  | Fern Green-VY LT     | 660  | 260  | 635  | 250  | 611  | 241  |
| 535  | Ash Gray-VY LT       | 1695 | 667  | 1630 | 641  | 1569 | 617  |
| 543  | Beige Brown-UL VY LT | 157  | 61   | 151  | 59   | 145  | 57   |
| 610  | Drab Brown-DK        | 87   | 34   | 84   | 33   | 81   | 31   |
| 611  | Drab Brown           | 100  | 39   | 96   | 37   | 93   | 36   |
| 612  | Drab Brown-LT        | 39   | 15   | 37   | 15   | 36   | 14   |
| 613  | Drab Brown-VY LT     | 230  | 90   | 222  | 87   | 213  | 83   |
| 632  | Desert Sand-UL VY DK | 37   | 14   | 35   | 14   | 34   | 13   |
| 640  | Beige Gray-VY DK     | 1209 | 476  | 1162 | 458  | 1119 | 441  |
| 642  | Beige Gray-DK        | 117  | 46   | 113  | 44   | 109  | 43   |
| 644  | Beige Gray-MD        | 404  | 158  | 388  | 152  | 374  | 147  |
| 645  | Beaver Gray-VY DK    | 1772 | 697  | 1704 | 670  | 1641 | 645  |
| 646  | Beaver Gray-DK       | 576  | 226  | 554  | 217  | 533  | 209  |
| 647  | Beaver Gray-MD       | 429  | 168  | 413  | 162  | 397  | 156  |
| 648  | Beaver Gray-LT       | 32   | 12   | 31   | 12   | 30   | 11   |
| 677  | Old Gold-VY LT       | 477  | 187  | 458  | 180  | 441  | 173  |
| 712  | Cream                | 81   | 32   | 78   | 30   | 75   | 29   |
| 738  | Tan-VY LT            | 1473 | 580  | 1416 | 557  | 1364 | 537  |
| 739  | Tan-UL VY LT         | 1003 | 395  | 964  | 379  | 929  | 365  |
| 746  | Off White            | 2804 | 1104 | 2696 | 1061 | 2596 | 1022 |
| 754  | Peach-LT             | 368  | 145  | 354  | 139  | 341  | 134  |
| 758  | Terra Cotta-VY LT    | 13   | 5    | 12   | 5    | 12   | 5    |
| 762  | Pearl Gray-VY LT     | 19   | 7    | 19   | 7    | 18   | 7    |
| 772  | Yellow Green-VY LT   | 235  | 92   | 226  | 89   | 218  | 85   |
| 822  | Beige Gray-LT        | 84   | 32   | 80   | 31   | 77   | 30   |
| 839  | Beige Brown-DK       | 1201 | 472  | 1155 | 454  | 1112 | 437  |
| 840  | Beige Brown-MD       | 628  | 247  | 604  | 237  | 581  | 229  |
| 841  | Beige Brown-LT       | 852  | 336  | 820  | 323  | 789  | 311  |
| 842  | Beige Brown-VY LT    | 600  | 235  | 577  | 226  | 555  | 218  |
| 844  | Beaver Brown-UL DK   | 3894 | 1533 | 3744 | 1474 | 3605 | 1419 |
| 869  | Hazelnut Brown-VY DK | 4    | 1    | 4    | 1    | 4    | 1    |
| 924  | Gray Green--VY DK    | 57   | 22   | 55   | 21   | 53   | 21   |
| 926  | Gray Green-MD        | 201  | 78   | 193  | 75   | 186  | 73   |
| 927  | Gray Green-LT        | 479  | 188  | 460  | 181  | 443  | 174  |
| 928  | Gray Green-VY LT     | 400  | 157  | 384  | 151  | 370  | 145  |
| 935  | Avocado Green-DK     | 5167 | 2034 | 4968 | 1956 | 4784 | 1883 |
| 945  | Tawny                | 479  | 188  | 460  | 181  | 443  | 174  |
| 948  | Peach-VY LT          | 26   | 10   | 25   | 10   | 24   | 9    |
| 950  | Desert Sand-LT       | 834  | 328  | 802  | 316  | 773  | 304  |
| 951  | Tawny-LT             | 1196 | 470  | 1150 | 452  | 1107 | 435  |
| 3011 | Khaki Green-DK       | 26   | 10   | 25   | 10   | 24   | 9    |
| 3012 | Khaki Green-MD       | 6    | 2    | 6    | 2    | 6    | 2    |
| 3013 | Khaki Green-LT       | 3    | 1    | 3    | 1    | 3    | 1    |
| 3021 | Brown Gray-VY DK     | 4897 | 1927 | 4709 | 1853 | 4535 | 1785 |
| 3022 | Brown Gray-MD        | 279  | 109  | 269  | 105  | 259  | 101  |
| 3023 | Brown Gray-LT        | 230  | 90   | 221  | 87   | 213  | 83   |
| 3024 | Brown Gray-VY LT     | 255  | 100  | 245  | 96   | 236  | 93   |
| 3031 | Mocha Brown-VY DK    | 14   | 5    | 13   | 5    | 13   | 5    |
| 3032 | Mocha Brown-MD       | 1126 | 443  | 1083 | 426  | 1043 | 410  |
| 3047 | Yellow Beige-LT      | 94   | 37   | 90   | 35   | 87   | 34   |

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|      |                      |       |       |       |       |       |       |
|------|----------------------|-------|-------|-------|-------|-------|-------|
| 3052 | Green Gray-MD        | 96    | 37    | 93    | 36    | 89    | 35    |
| 3053 | Green Gray           | 28    | 11    | 27    | 10    | 26    | 10    |
| 3072 | Beaver Gray-VY LT    | 139   | 54    | 134   | 52    | 129   | 50    |
| 3348 | Yellow Green-LT      | 6     | 2     | 6     | 2     | 6     | 2     |
| 3362 | Pine Green-DK        | 414   | 163   | 398   | 156   | 383   | 151   |
| 3363 | Pine Green-MD        | 14    | 5     | 13    | 5     | 13    | 5     |
| 3740 | Antique Violet-DK    | 113   | 44    | 109   | 42    | 105   | 41    |
| 3756 | Baby Blue-UL VY LT   | 192   | 76    | 185   | 73    | 178   | 70    |
| 3768 | Gray Green-DK        | 35    | 13    | 33    | 12    | 32    | 12    |
| 3770 | Tawny-VY LT          | 4     | 1     | 4     | 1     | 4     | 1     |
| 3772 | Desert Sand-VY DK    | 129   | 50    | 124   | 48    | 119   | 47    |
| 3774 | Desert Sand-VY LT    | 112   | 44    | 107   | 42    | 103   | 41    |
| 3779 | Terra Cotta-UL VY LT | 105   | 41    | 101   | 39    | 97    | 38    |
| 3781 | Mocha Brown-DK       | 12    | 4     | 12    | 4     | 11    | 4     |
| 3782 | Mocha Brown-LT       | 804   | 316   | 773   | 304   | 745   | 293   |
| 3787 | Brown Gray-DK        | 3442  | 1355  | 3310  | 1303  | 3187  | 1255  |
| 3790 | Beige Gray-UL DK     | 1176  | 462   | 1131  | 444   | 1089  | 428   |
| 3799 | Pewter Gray-VY DK    | 28336 | 11156 | 27246 | 10727 | 26237 | 10329 |
| 3813 | Blue Green-LT        | 282   | 111   | 271   | 107   | 261   | 103   |
| 3815 | Celadon Green-DK     | 3     | 1     | 3     | 1     | 3     | 1     |
| 3817 | Celadon Green-LT     | 13    | 5     | 12    | 5     | 12    | 5     |
| 3823 | Yellow-UL Pale       | 2506  | 986   | 2410  | 948   | 2321  | 913   |
| 3859 | Rosewood-LT          | 6     | 2     | 6     | 2     | 5     | 2     |
| 3860 | Cocoa                | 448   | 176   | 431   | 169   | 415   | 163   |
| 3861 | Cocoa-LT             | 721   | 284   | 693   | 273   | 667   | 263   |
| 3862 | Mocha Beige-DK       | 238   | 93    | 228   | 89    | 220   | 86    |
| 3863 | Mocha Beige-MD       | 209   | 82    | 201   | 79    | 193   | 76    |
| 3864 | Mocha Beige-LT       | 1176  | 462   | 1131  | 444   | 1089  | 428   |
| 3865 | Winter White         | 716   | 282   | 689   | 271   | 663   | 261   |
| 3866 | Mocha Brown-UL VY LT | 327   | 128   | 314   | 123   | 303   | 119   |
| ecru | Ecru                 | 474   | 186   | 456   | 179   | 439   | 173   |

Extended thread usage table.

| DMC | Name                  | Usage<br>(cm) | Usage<br>(inch) | Usage<br>(cm) | Usage<br>(inch) | Usage<br>(cm) | Usage<br>(inch) |
|-----|-----------------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|
|     |                       | 28            |                 | 30            |                 | 32            |                 |
| 223 | Shell Pink-LT         | 140           | 55              | 130           | 51              | 122           | 48              |
| 224 | Shell Pink-VY LT      | 470           | 185             | 439           | 172             | 411           | 161             |
| 317 | Pewter Gray           | 38            | 15              | 35            | 14              | 33            | 13              |
| 356 | Terra Cotta-MD        | 23            | 9               | 22            | 8               | 20            | 8               |
| 369 | Pistachio Green-VY LT | 177           | 69              | 165           | 65              | 155           | 61              |
| 371 | Mustard               | 42            | 16              | 39            | 15              | 37            | 14              |
| 372 | Mustard-LT            | 115           | 45              | 107           | 42              | 101           | 39              |
| 407 | Desert Sand-DK        | 374           | 147             | 349           | 137             | 327           | 128             |
| 413 | Pewter Gray-DK        | 276           | 108             | 257           | 101             | 241           | 95              |
| 414 | Steel Gray-DK         | 76            | 30              | 71            | 28              | 66            | 26              |
| 415 | Pearl Gray            | 50            | 19              | 47            | 18              | 44            | 17              |
| 437 | Tan-LT                | 21            | 8               | 20            | 7               | 19            | 7               |
| 451 | Shell Gray-DK         | 433           | 170             | 404           | 159             | 379           | 149             |
| 452 | Shell Gray-MD         | 72            | 28              | 67            | 26              | 63            | 25              |
| 453 | Shell Gray-LT         | 25            | 10              | 23            | 9               | 22            | 8               |
| 501 | Blue Green-DK         | 338           | 132             | 315           | 124             | 295           | 116             |
| 502 | Blue Green            | 95            | 37              | 89            | 35              | 83            | 33              |
| 503 | Blue Green-MD         | 495           | 195             | 462           | 182             | 433           | 170             |
| 520 | Fern Green-DK         | 37            | 14              | 35            | 13              | 33            | 12              |
| 522 | Fern Green            | 37            | 14              | 34            | 13              | 32            | 12              |
| 523 | Fern Green-LT         | 78            | 31              | 73            | 29              | 69            | 27              |

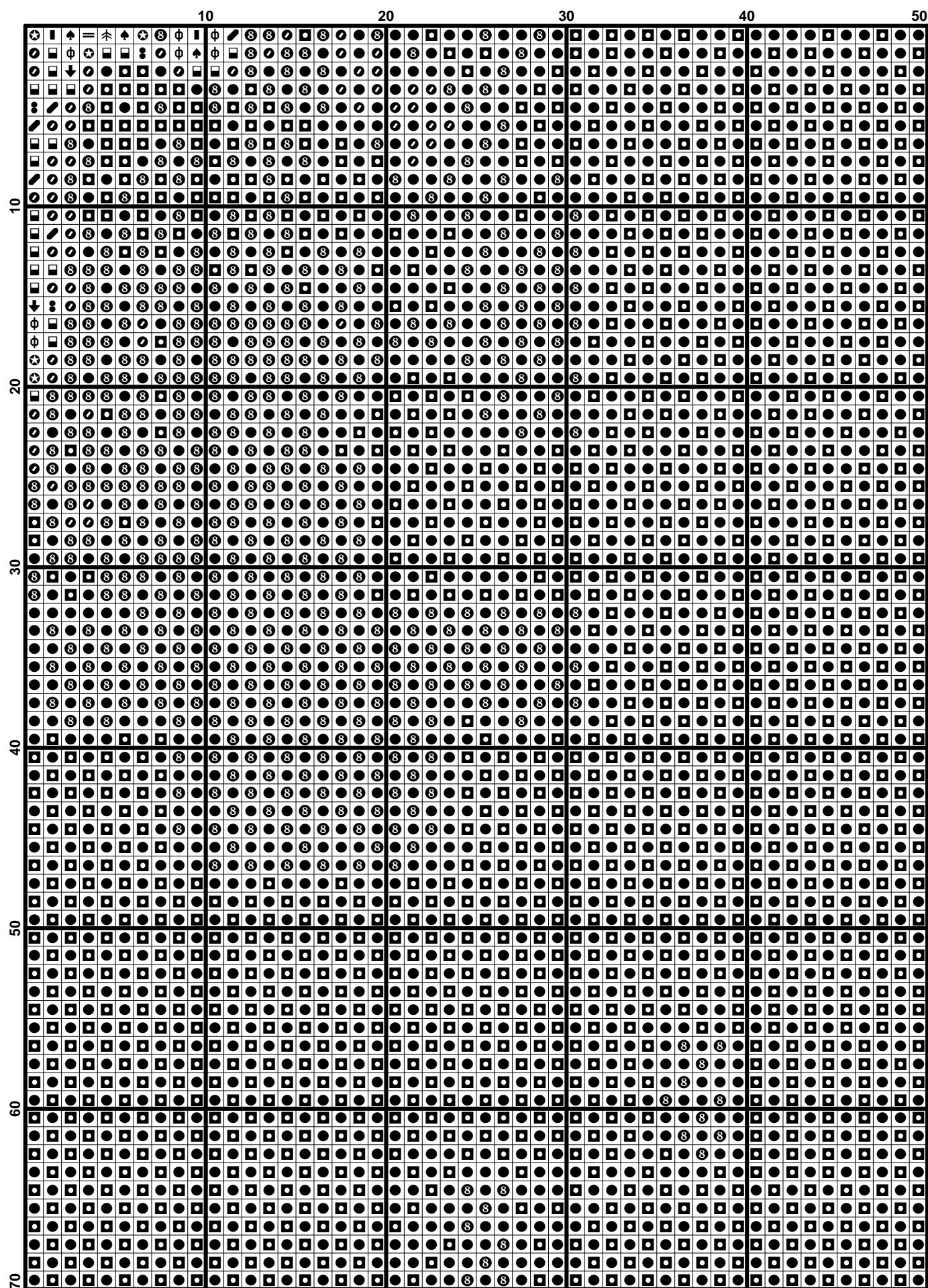
|      |                      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|
| 524  | Fern Green-VY LT     | 590  | 232  | 550  | 217  | 516  | 203  |
| 535  | Ash Gray-VY LT       | 1513 | 595  | 1412 | 556  | 1324 | 521  |
| 543  | Beige Brown-UL VY LT | 140  | 55   | 131  | 51   | 123  | 48   |
| 610  | Drab Brown-DK        | 78   | 30   | 73   | 28   | 68   | 26   |
| 611  | Drab Brown           | 89   | 35   | 83   | 32   | 78   | 30   |
| 612  | Drab Brown-LT        | 35   | 14   | 32   | 13   | 30   | 12   |
| 613  | Drab Brown-VY LT     | 206  | 80   | 192  | 75   | 180  | 70   |
| 632  | Desert Sand-UL VY DK | 33   | 13   | 31   | 12   | 29   | 11   |
| 640  | Beige Gray-VY DK     | 1079 | 425  | 1007 | 397  | 944  | 372  |
| 642  | Beige Gray-DK        | 105  | 41   | 98   | 38   | 92   | 36   |
| 644  | Beige Gray-MD        | 361  | 141  | 337  | 132  | 316  | 124  |
| 645  | Beaver Gray-VY DK    | 1582 | 622  | 1477 | 581  | 1384 | 545  |
| 646  | Beaver Gray-DK       | 514  | 202  | 480  | 188  | 450  | 177  |
| 647  | Beaver Gray-MD       | 383  | 150  | 358  | 140  | 335  | 132  |
| 648  | Beaver Gray-LT       | 29   | 11   | 27   | 10   | 25   | 10   |
| 677  | Old Gold-VY LT       | 426  | 167  | 397  | 156  | 372  | 146  |
| 712  | Cream                | 72   | 28   | 67   | 26   | 63   | 25   |
| 738  | Tan-VY LT            | 1315 | 518  | 1228 | 483  | 1151 | 453  |
| 739  | Tan-UL VY LT         | 896  | 352  | 836  | 329  | 784  | 308  |
| 746  | Off White            | 2503 | 986  | 2336 | 920  | 2190 | 862  |
| 754  | Peach-LT             | 329  | 129  | 307  | 121  | 287  | 113  |
| 758  | Terra Cotta-VY LT    | 12   | 5    | 11   | 4    | 10   | 4    |
| 762  | Pearl Gray-VY LT     | 17   | 6    | 16   | 6    | 15   | 6    |
| 772  | Yellow Green-VY LT   | 210  | 82   | 196  | 77   | 184  | 72   |
| 822  | Beige Gray-LT        | 75   | 29   | 70   | 27   | 65   | 25   |
| 839  | Beige Brown-DK       | 1072 | 422  | 1001 | 394  | 938  | 369  |
| 840  | Beige Brown-MD       | 561  | 221  | 523  | 206  | 491  | 193  |
| 841  | Beige Brown-LT       | 761  | 300  | 710  | 280  | 666  | 262  |
| 842  | Beige Brown-VY LT    | 536  | 210  | 500  | 196  | 469  | 184  |
| 844  | Beaver Brown-UL DK   | 3477 | 1369 | 3245 | 1277 | 3042 | 1198 |
| 869  | Hazelnut Brown-VY DK | 4    | 1    | 4    | 1    | 3    | 1    |
| 924  | Gray Green--VY DK    | 51   | 20   | 47   | 19   | 44   | 17   |
| 926  | Gray Green-MD        | 179  | 70   | 167  | 65   | 157  | 61   |
| 927  | Gray Green-LT        | 428  | 168  | 399  | 157  | 374  | 147  |
| 928  | Gray Green-VY LT     | 357  | 140  | 333  | 131  | 312  | 123  |
| 935  | Avocado Green-DK     | 4613 | 1816 | 4306 | 1695 | 4037 | 1589 |
| 945  | Tawny                | 428  | 168  | 399  | 157  | 374  | 147  |
| 948  | Peach-VY LT          | 23   | 9    | 22   | 8    | 20   | 8    |
| 950  | Desert Sand-LT       | 745  | 293  | 695  | 274  | 652  | 257  |
| 951  | Tawny-LT             | 1068 | 420  | 997  | 392  | 934  | 367  |
| 3011 | Khaki Green-DK       | 23   | 9    | 22   | 8    | 20   | 8    |
| 3012 | Khaki Green-MD       | 6    | 2    | 5    | 2    | 5    | 2    |
| 3013 | Khaki Green-LT       | 3    | 1    | 2    | 1    | 2    | 1    |
| 3021 | Brown Gray-VY DK     | 4373 | 1721 | 4081 | 1606 | 3826 | 1506 |
| 3022 | Brown Gray-MD        | 249  | 98   | 233  | 91   | 218  | 86   |
| 3023 | Brown Gray-LT        | 205  | 80   | 191  | 75   | 179  | 70   |
| 3024 | Brown Gray-VY LT     | 228  | 89   | 212  | 83   | 199  | 78   |
| 3031 | Mocha Brown-VY DK    | 12   | 5    | 11   | 4    | 11   | 4    |
| 3032 | Mocha Brown-MD       | 1005 | 395  | 938  | 369  | 880  | 346  |
| 3047 | Yellow Beige-LT      | 84   | 33   | 78   | 31   | 73   | 29   |
| 3052 | Green Gray-MD        | 86   | 33   | 80   | 31   | 75   | 29   |
| 3053 | Green Gray           | 25   | 10   | 23   | 9    | 22   | 8    |
| 3072 | Beaver Gray-VY LT    | 124  | 48   | 116  | 45   | 109  | 42   |
| 3348 | Yellow Green-LT      | 6    | 2    | 5    | 2    | 5    | 2    |
| 3362 | Pine Green-DK        | 370  | 145  | 345  | 136  | 323  | 127  |
| 3363 | Pine Green-MD        | 12   | 5    | 11   | 4    | 11   | 4    |
| 3740 | Antique Violet-DK    | 101  | 39   | 94   | 37   | 88   | 34   |
| 3756 | Baby Blue-UL VY LT   | 172  | 68   | 160  | 63   | 150  | 59   |
| 3768 | Gray Green-DK        | 31   | 12   | 29   | 11   | 27   | 10   |

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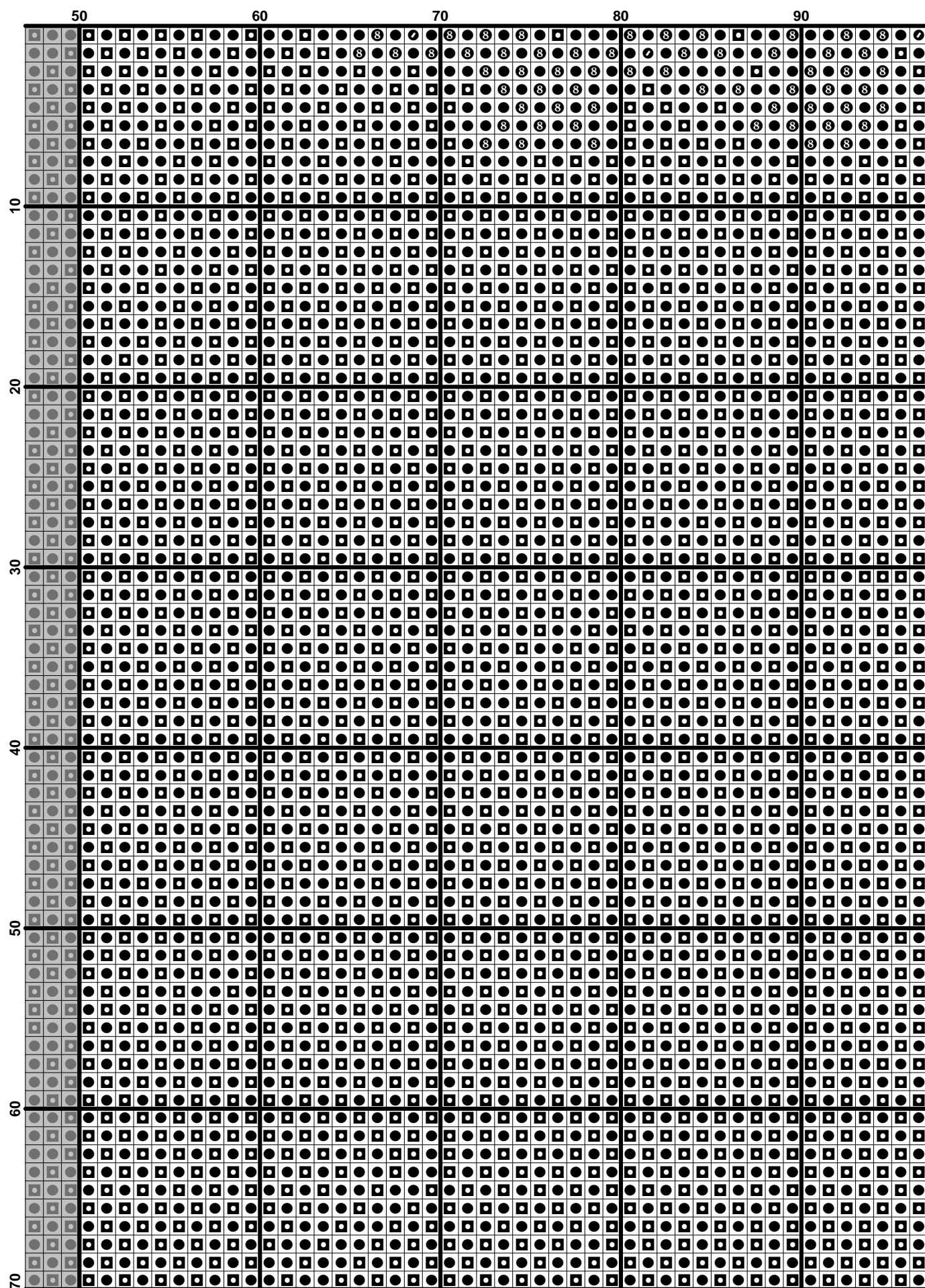
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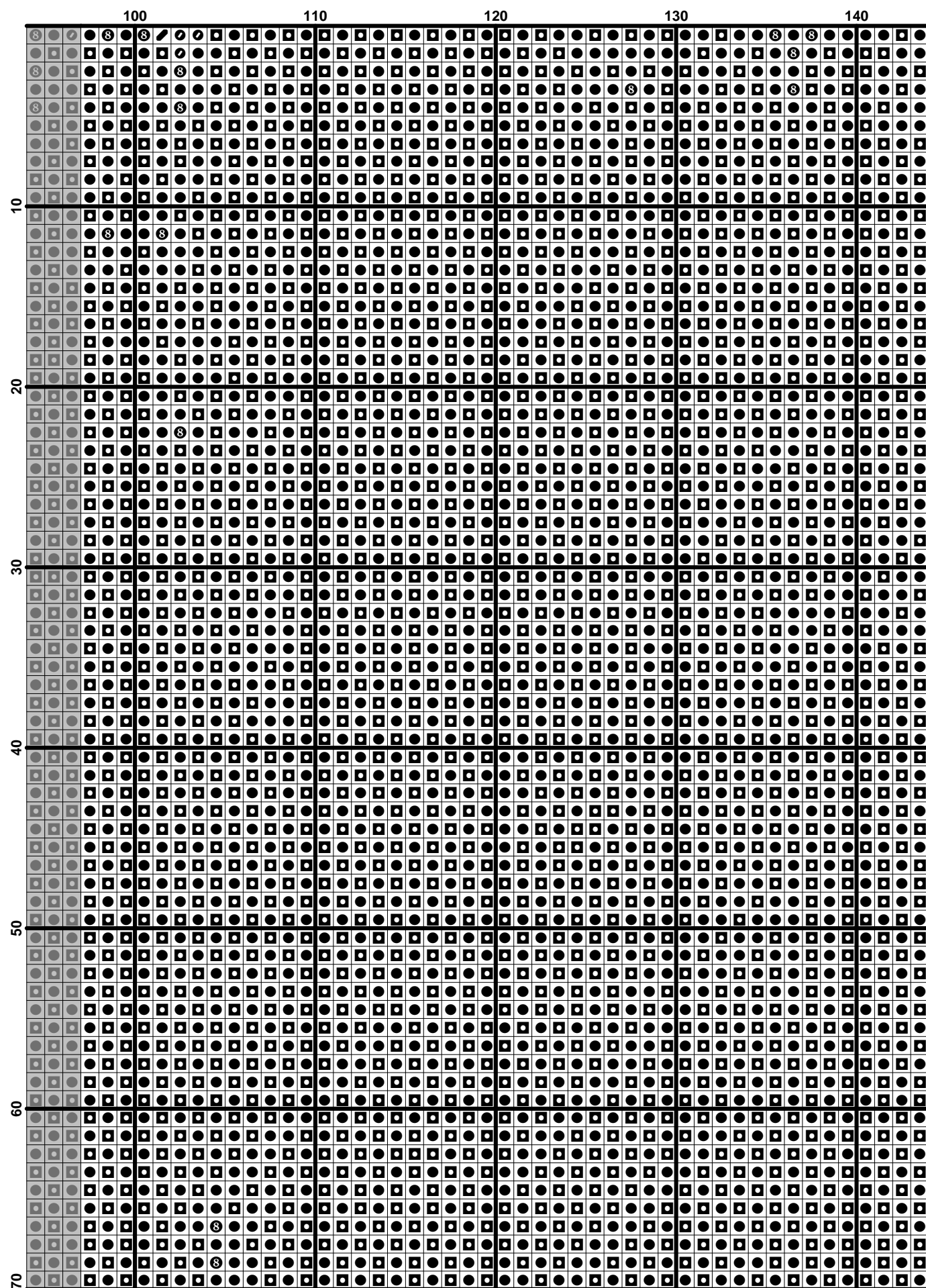
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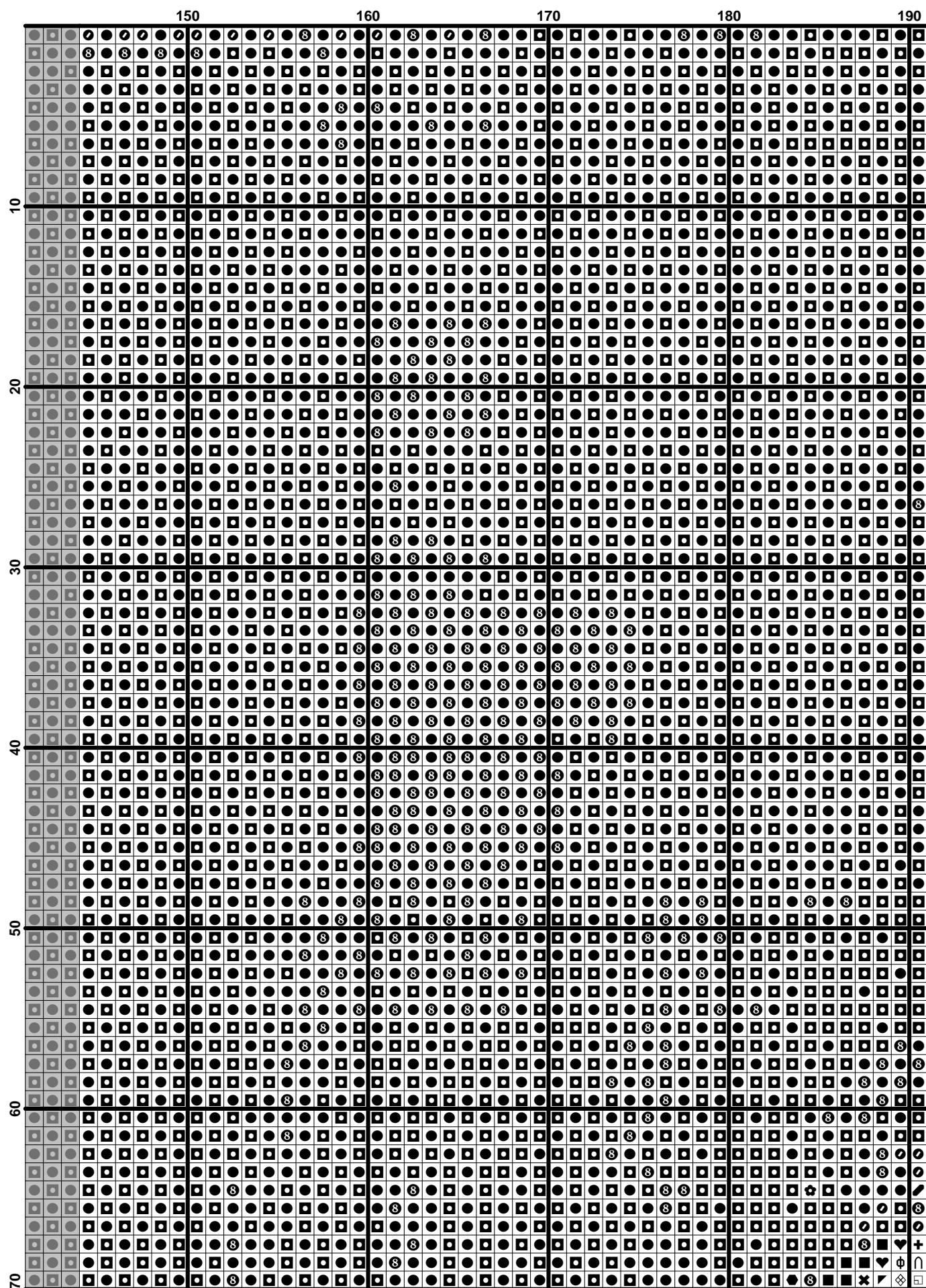
|      |                      |       |      |       |      |       |      |
|------|----------------------|-------|------|-------|------|-------|------|
| 3770 | Tawny-VY LT          | 4     | 1    | 4     | 1    | 3     | 1    |
| 3772 | Desert Sand-VY DK    | 115   | 45   | 107   | 42   | 101   | 39   |
| 3774 | Desert Sand-VY LT    | 100   | 39   | 93    | 37   | 87    | 34   |
| 3779 | Terra Cotta-UL VY LT | 94    | 37   | 88    | 34   | 82    | 32   |
| 3781 | Mocha Brown-DK       | 11    | 4    | 10    | 4    | 10    | 3    |
| 3782 | Mocha Brown-LT       | 718   | 282  | 670   | 263  | 628   | 247  |
| 3787 | Brown Gray-DK        | 3074  | 1210 | 2869  | 1129 | 2689  | 1059 |
| 3790 | Beige Gray-UL DK     | 1050  | 413  | 980   | 385  | 919   | 361  |
| 3799 | Pewter Gray-VY DK    | 25300 | 9960 | 23613 | 9296 | 22137 | 8715 |
| 3813 | Blue Green-LT        | 252   | 99   | 235   | 92   | 221   | 87   |
| 3815 | Celadon Green-DK     | 3     | 1    | 2     | 1    | 2     | 1    |
| 3817 | Celadon Green-LT     | 12    | 5    | 11    | 4    | 10    | 4    |
| 3823 | Yellow-UL Pale       | 2238  | 881  | 2089  | 822  | 1958  | 771  |
| 3859 | Rosewood-LT          | 5     | 2    | 5     | 2    | 5     | 2    |
| 3860 | Cocoa                | 400   | 157  | 373   | 146  | 350   | 137  |
| 3861 | Cocoa-LT             | 644   | 253  | 601   | 236  | 563   | 222  |
| 3862 | Mocha Beige-DK       | 212   | 83   | 198   | 77   | 186   | 73   |
| 3863 | Mocha Beige-MD       | 186   | 73   | 174   | 68   | 163   | 64   |
| 3864 | Mocha Beige-LT       | 1050  | 413  | 980   | 385  | 919   | 361  |
| 3865 | Winter White         | 640   | 251  | 597   | 235  | 560   | 220  |
| 3866 | Mocha Brown-UL VY LT | 292   | 114  | 272   | 107  | 255   | 100  |
| ecru | Ecru                 | 424   | 167  | 395   | 155  | 371   | 146  |

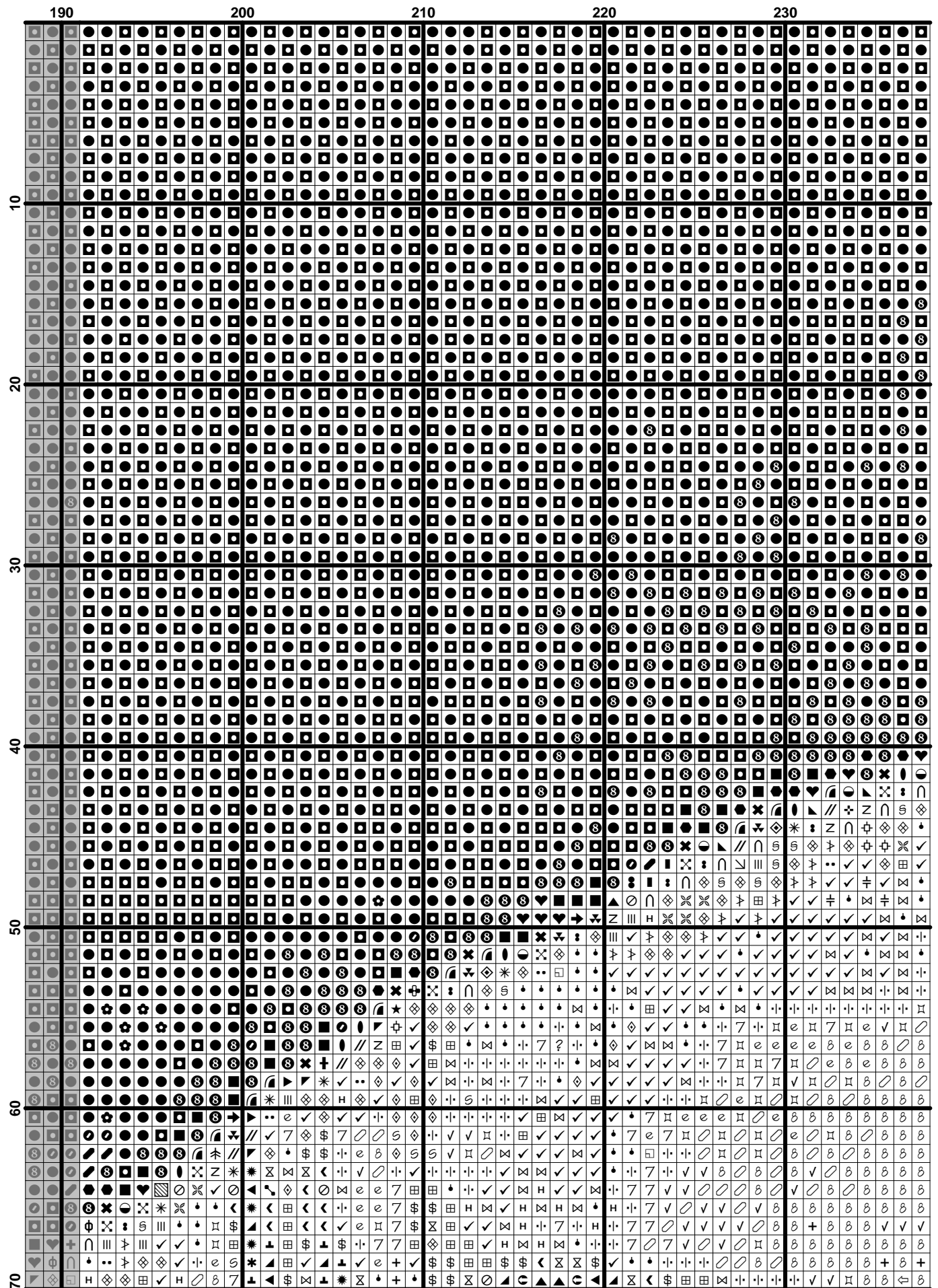


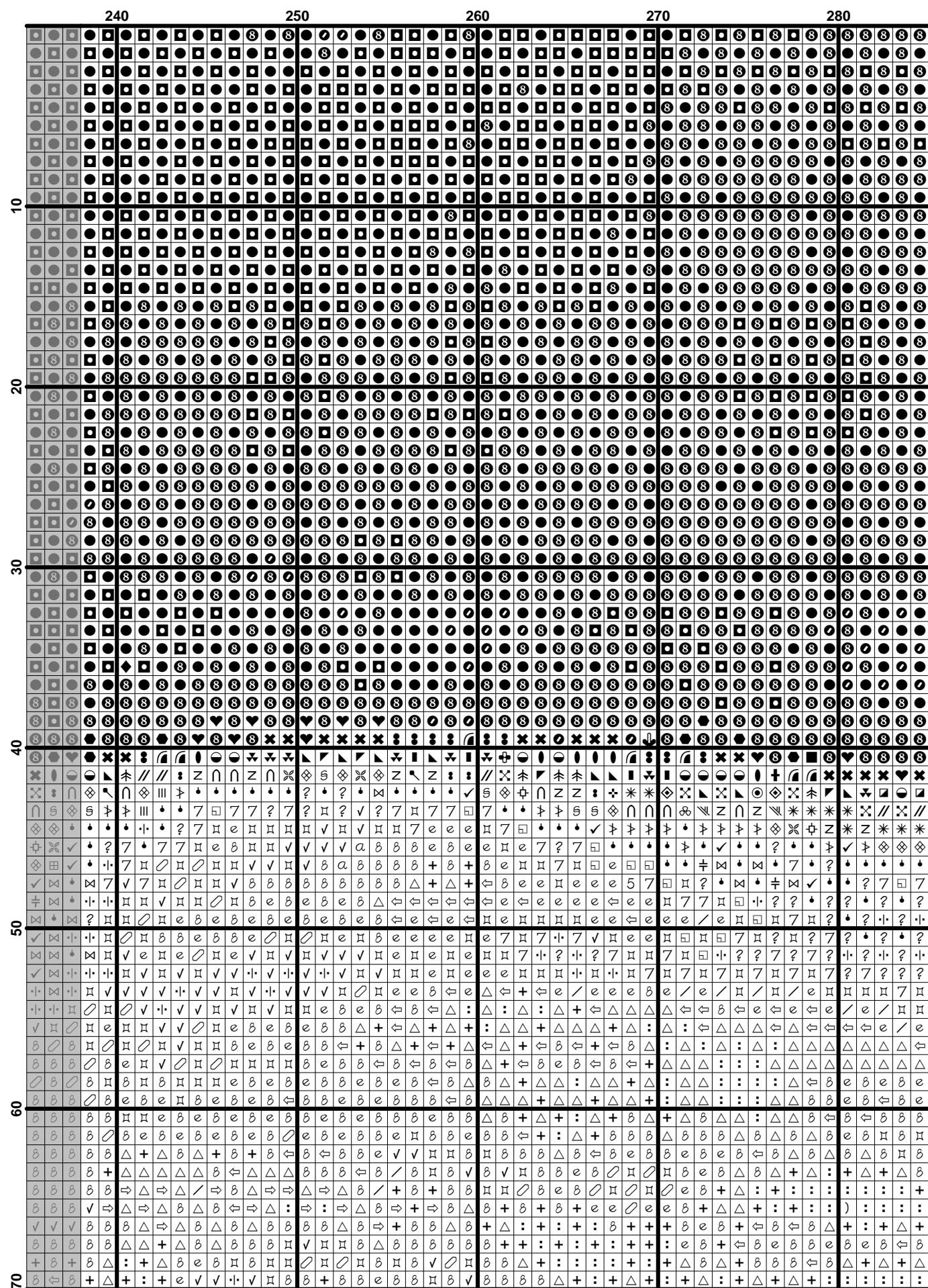


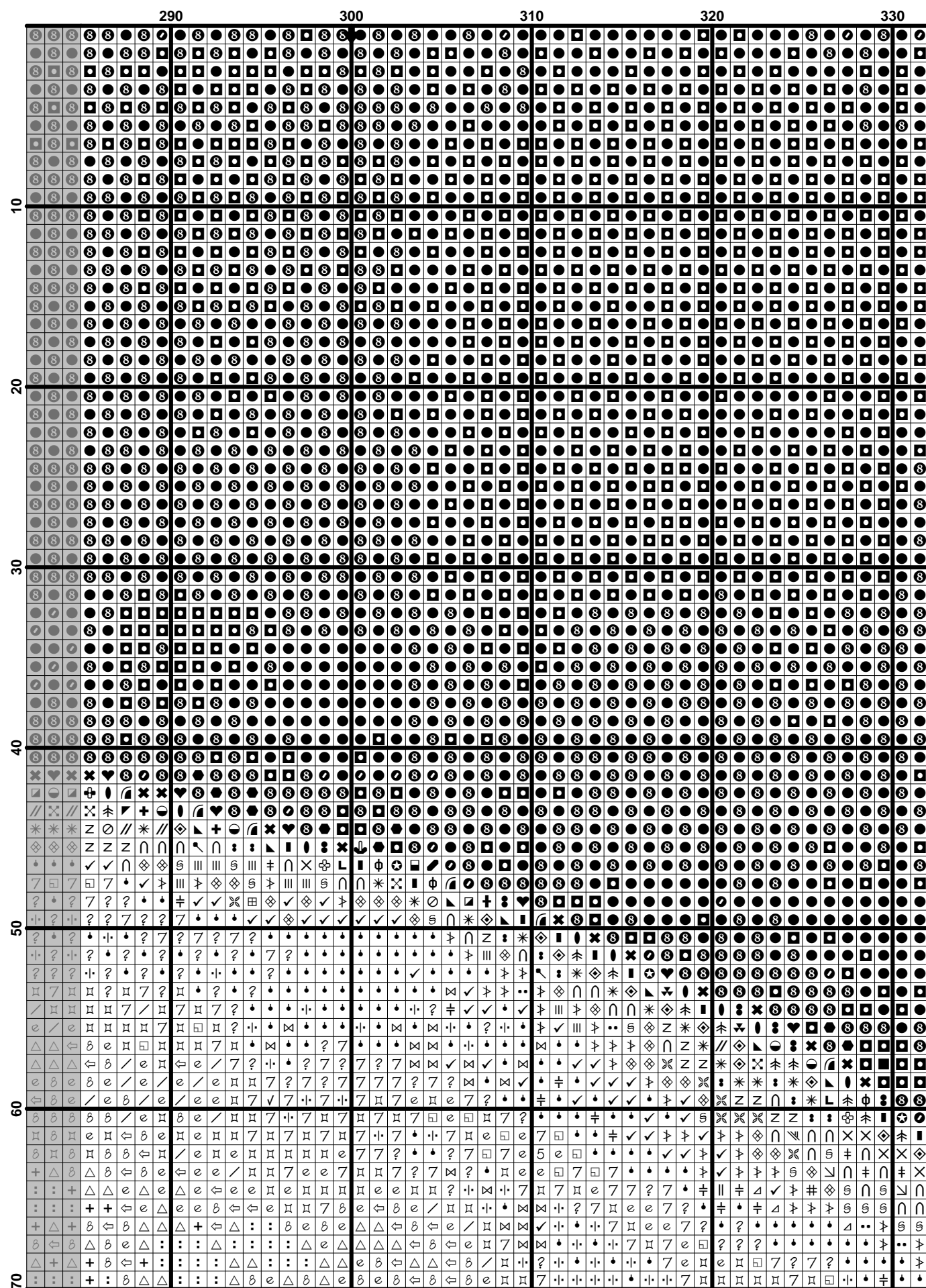


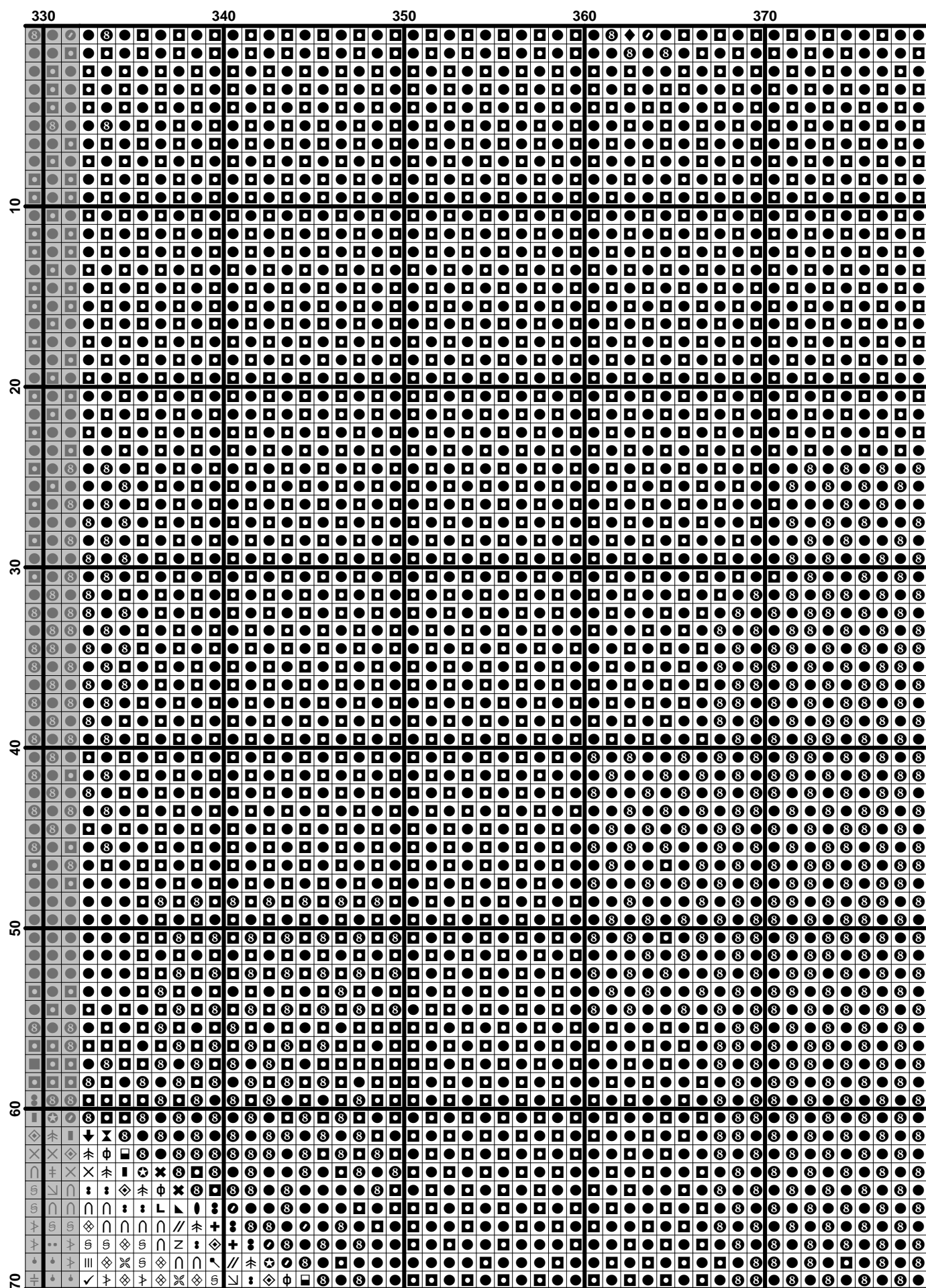




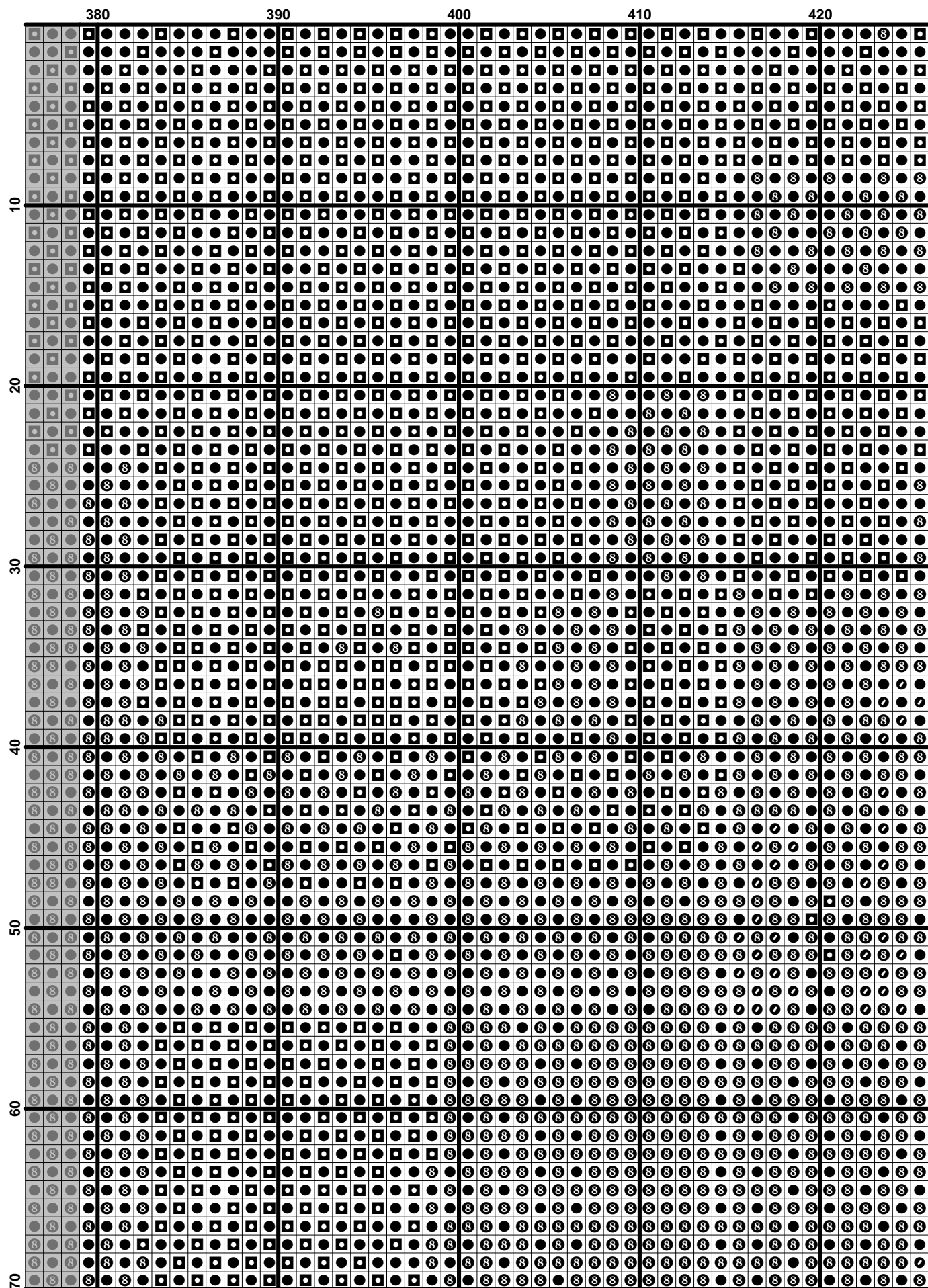


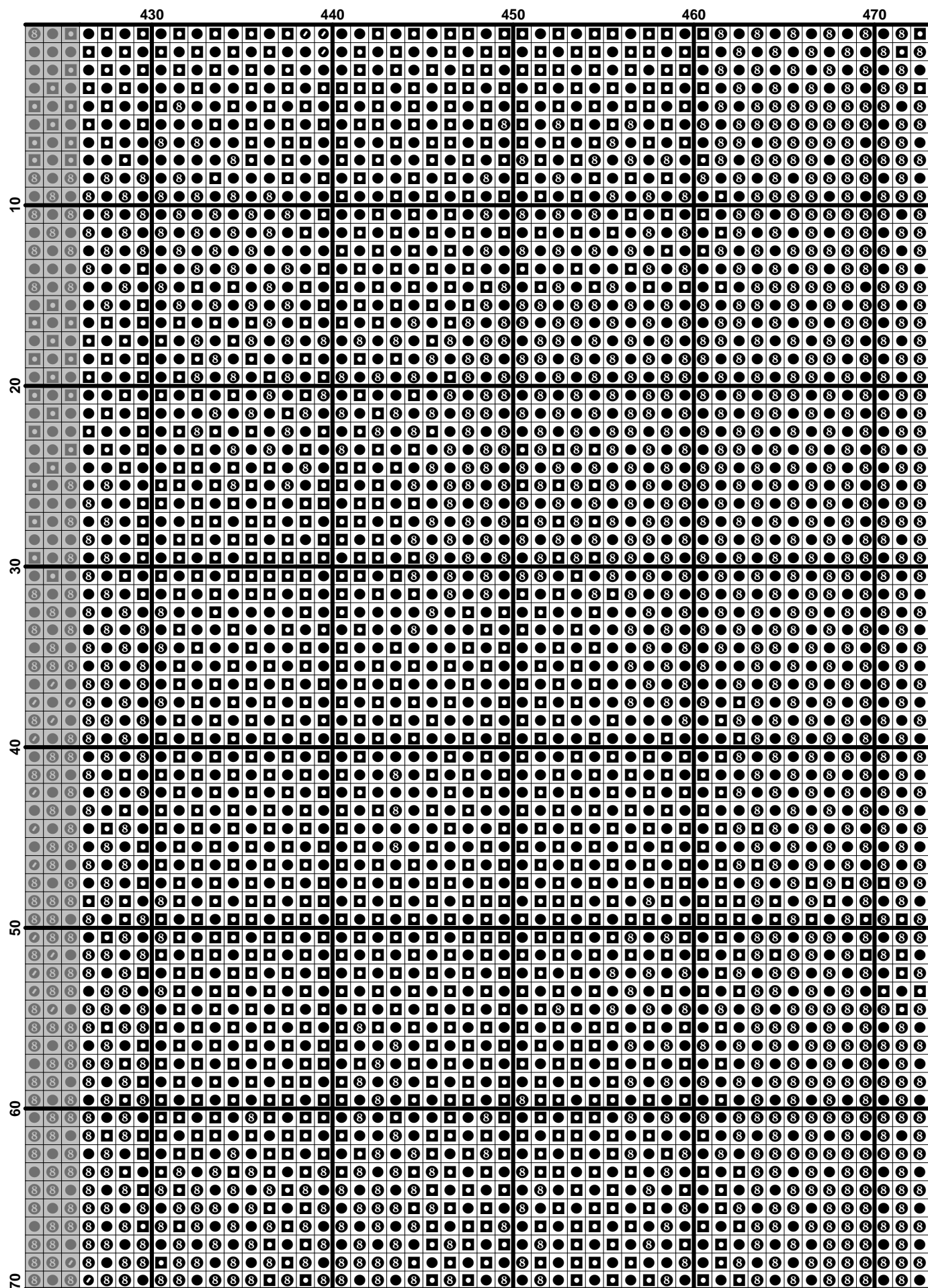


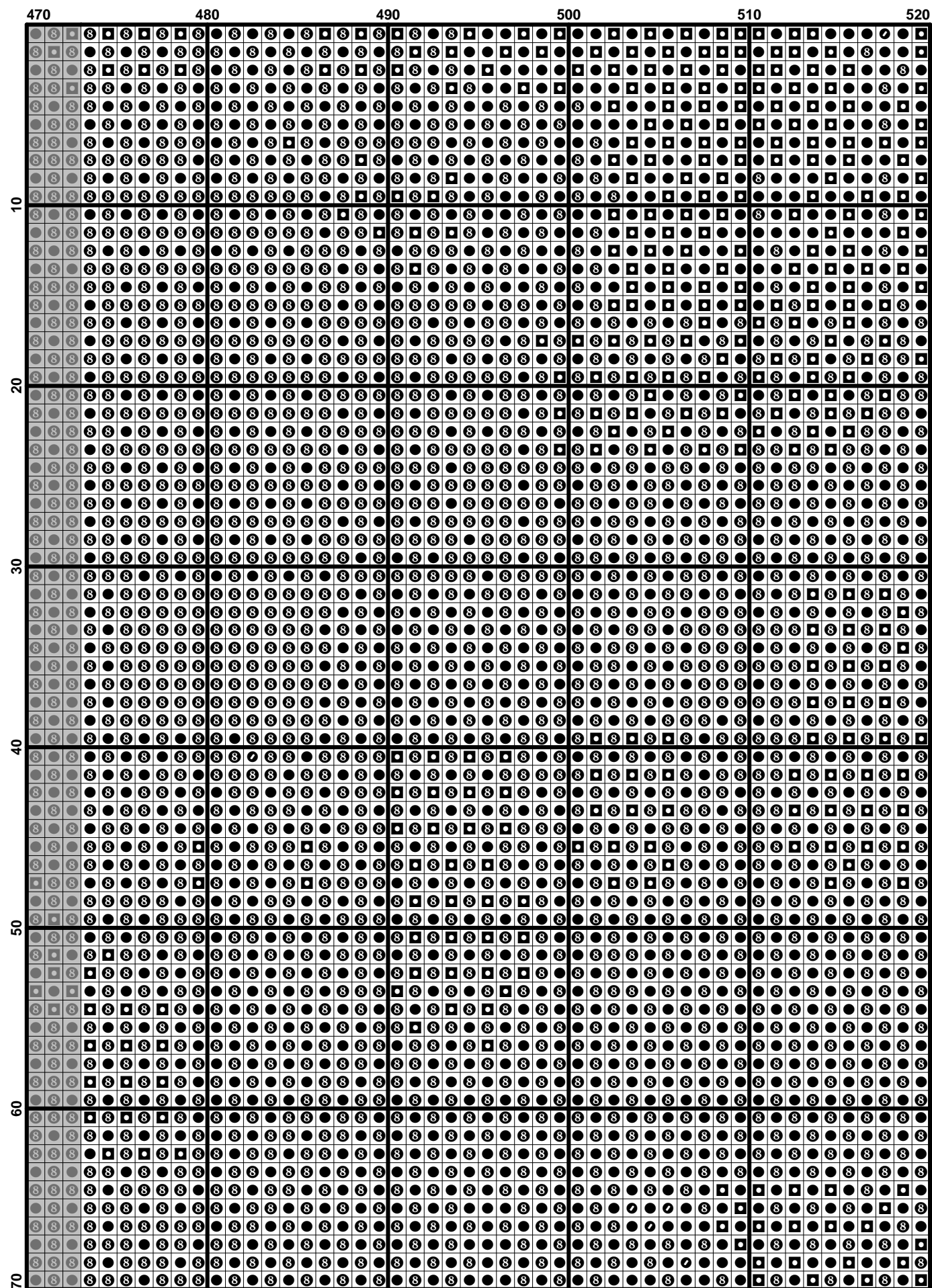


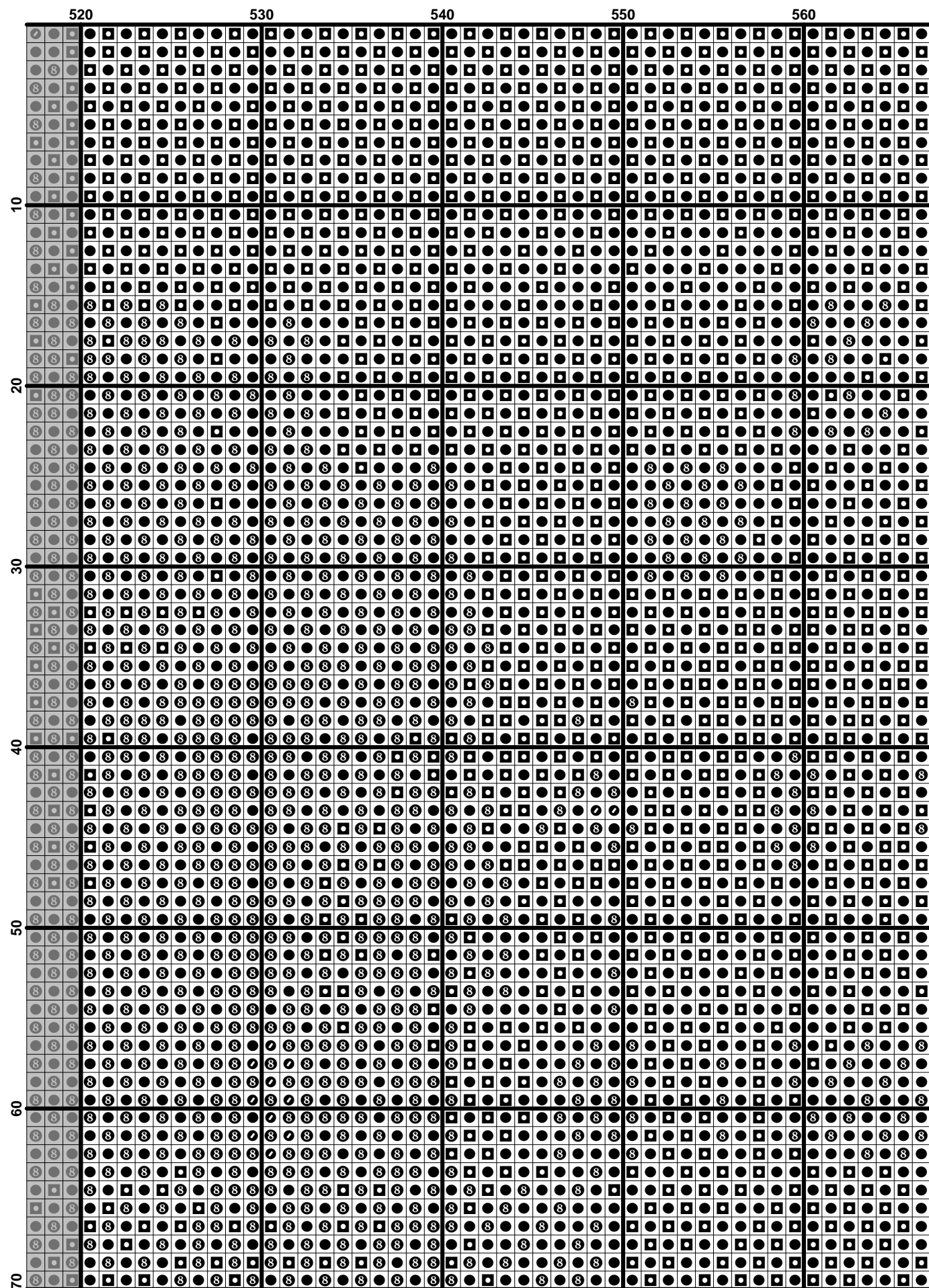


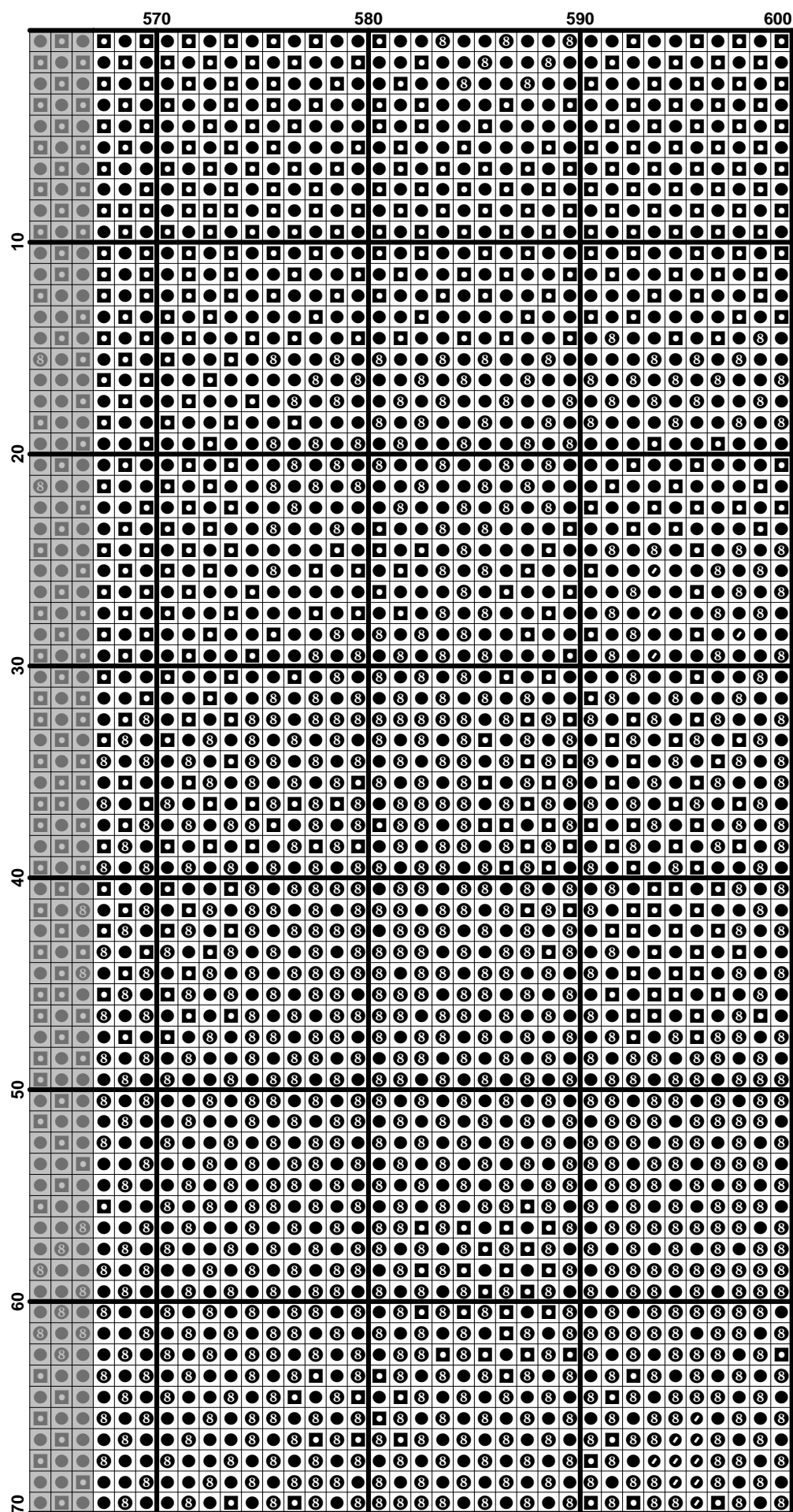


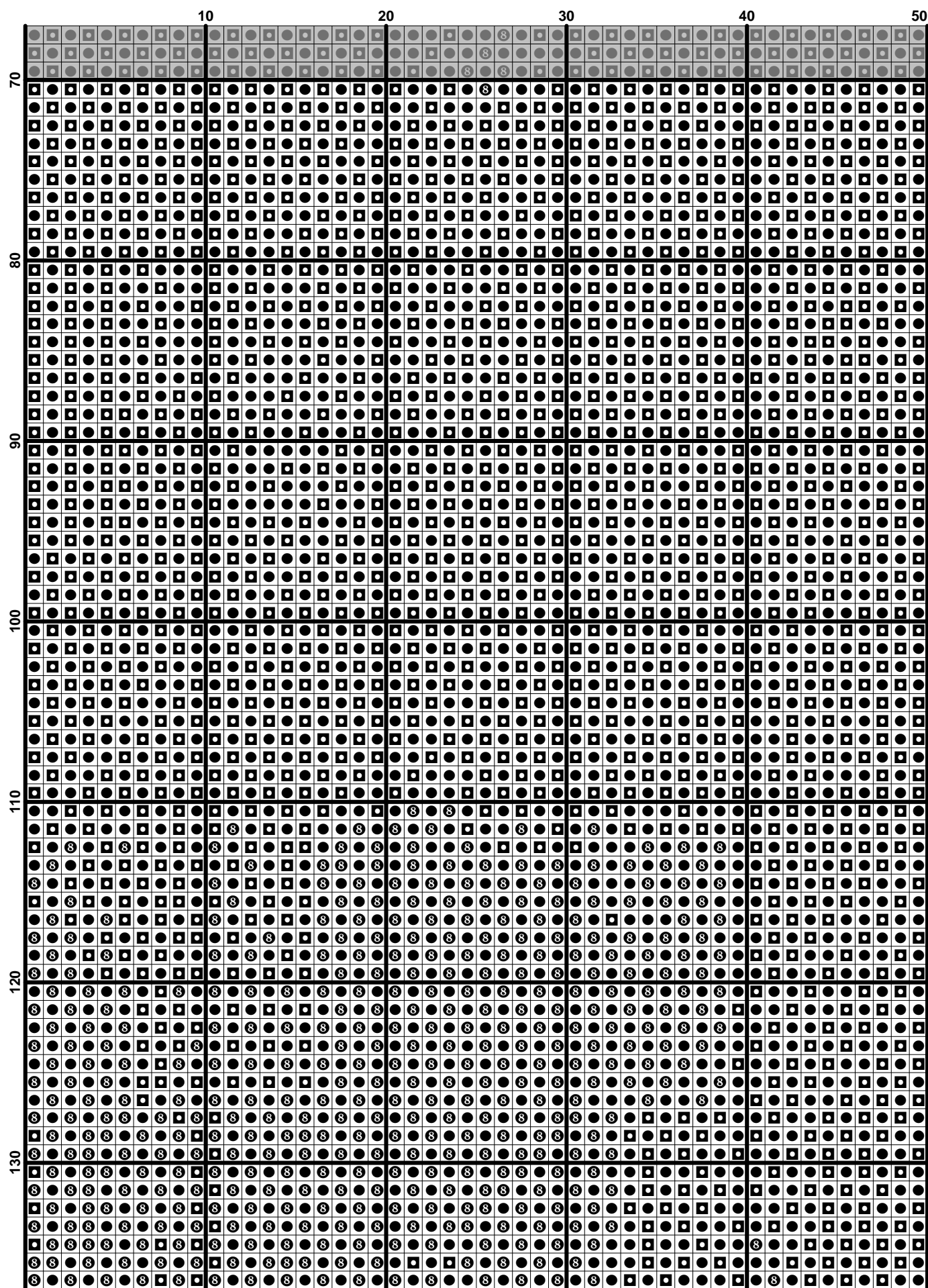


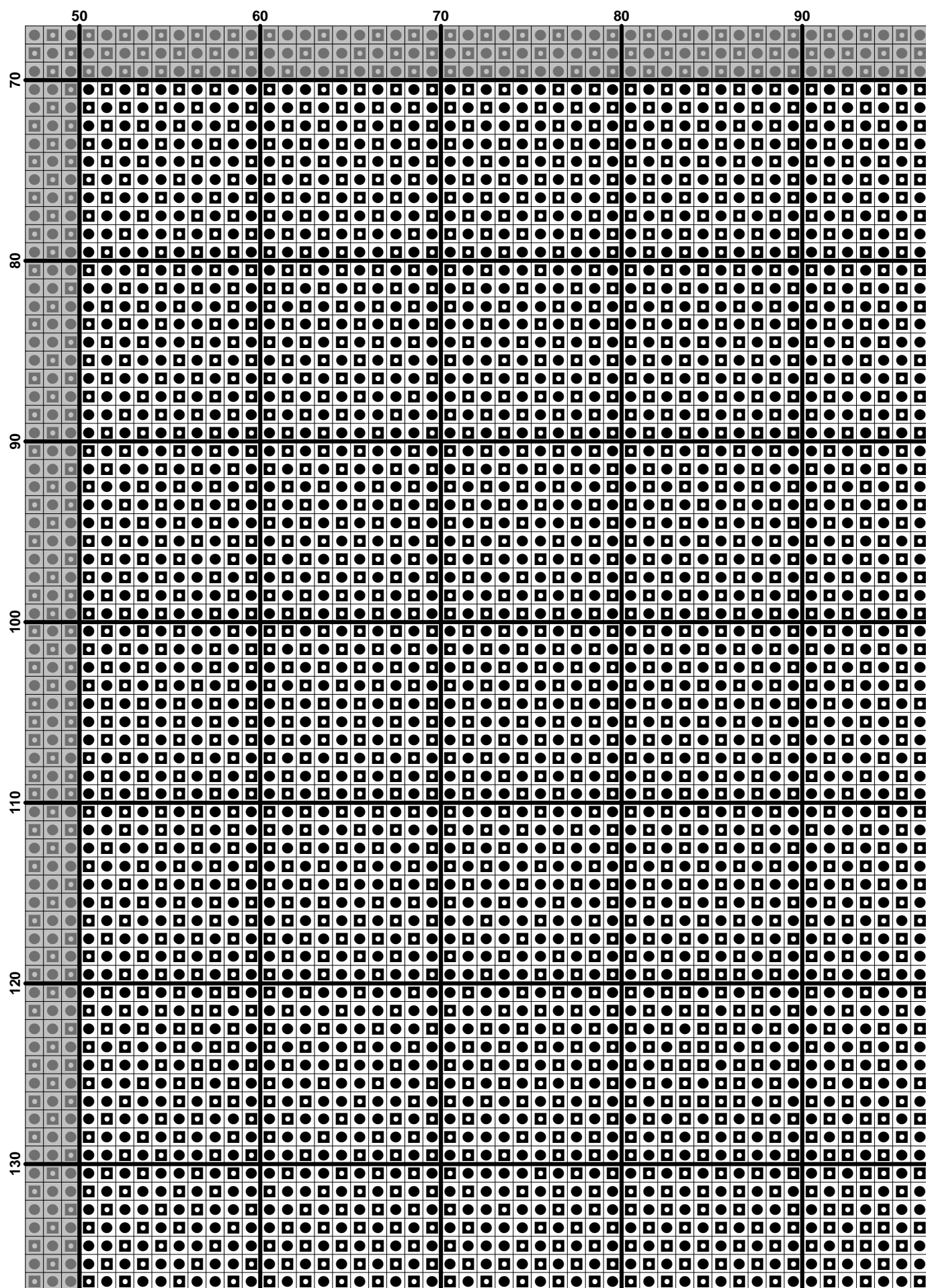




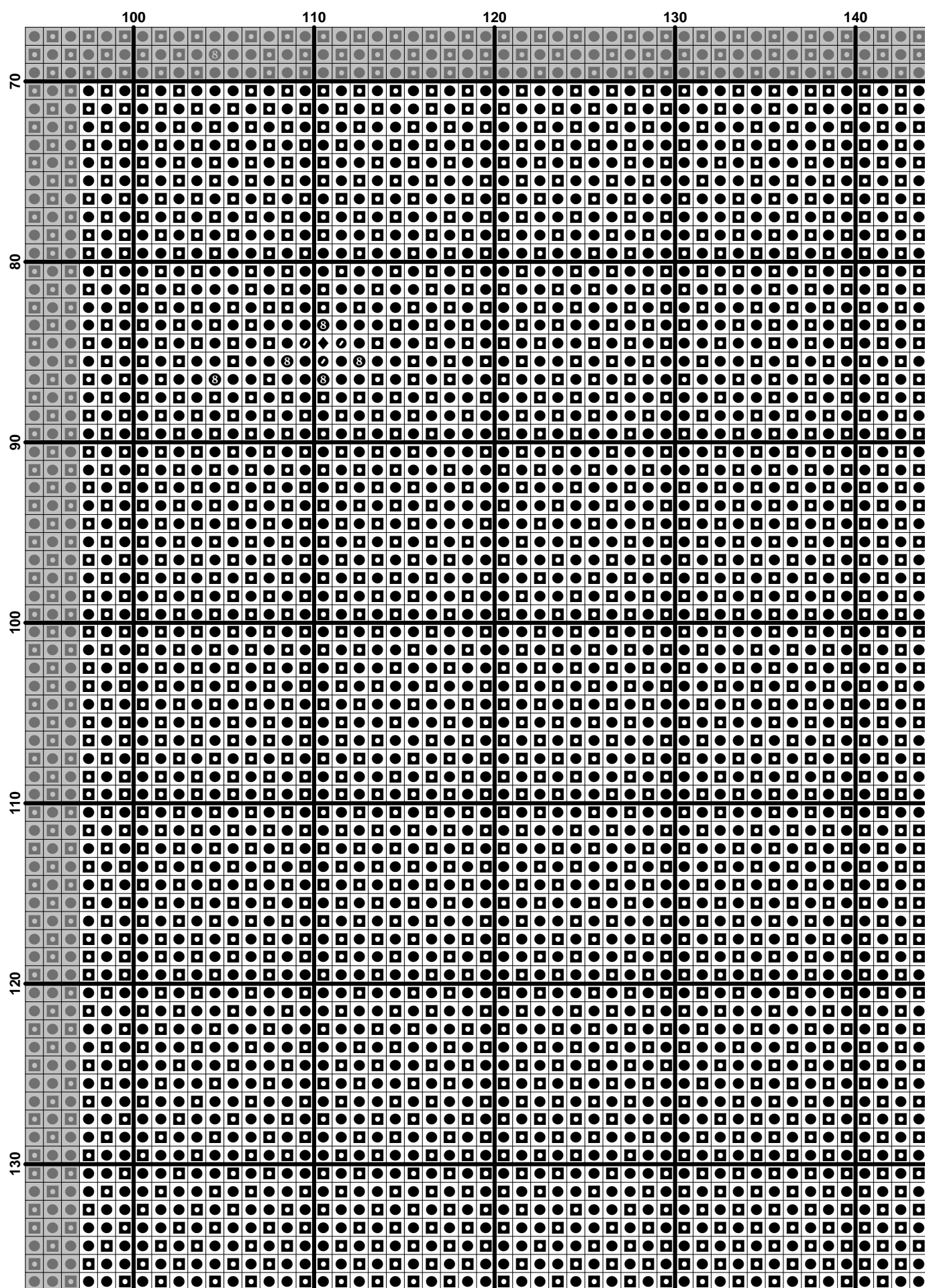












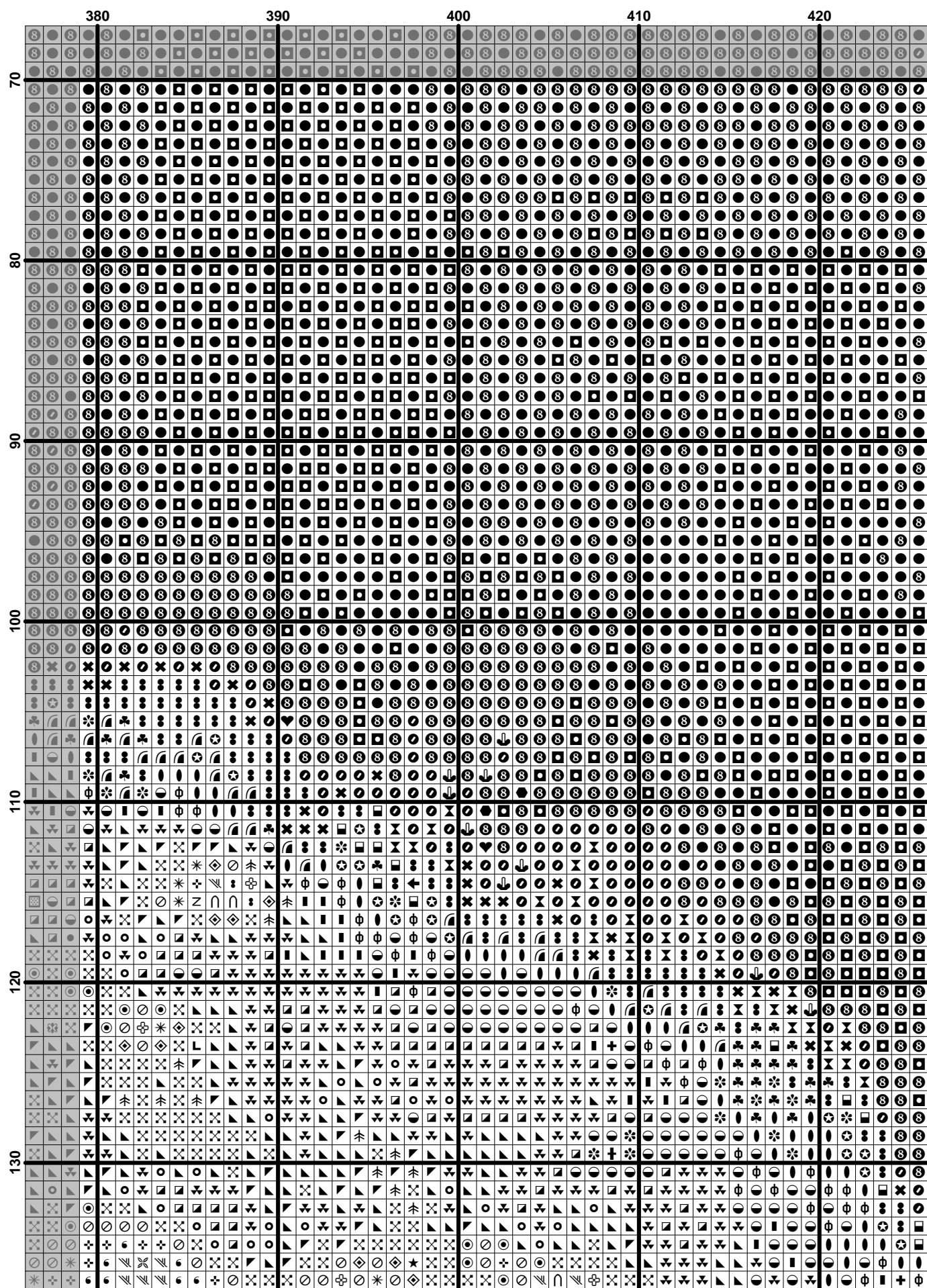
$$(30) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

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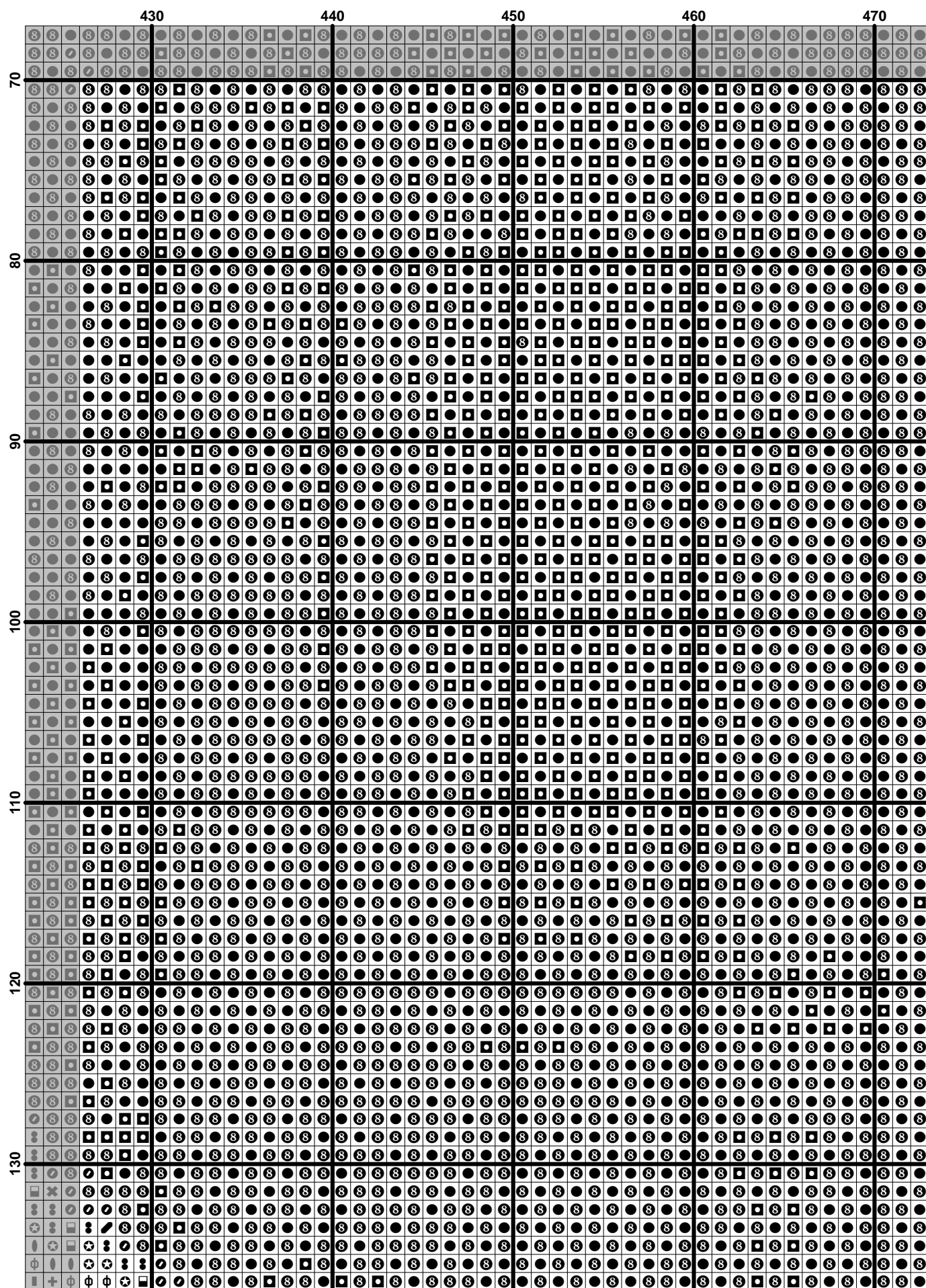
$$(32) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (33)$$

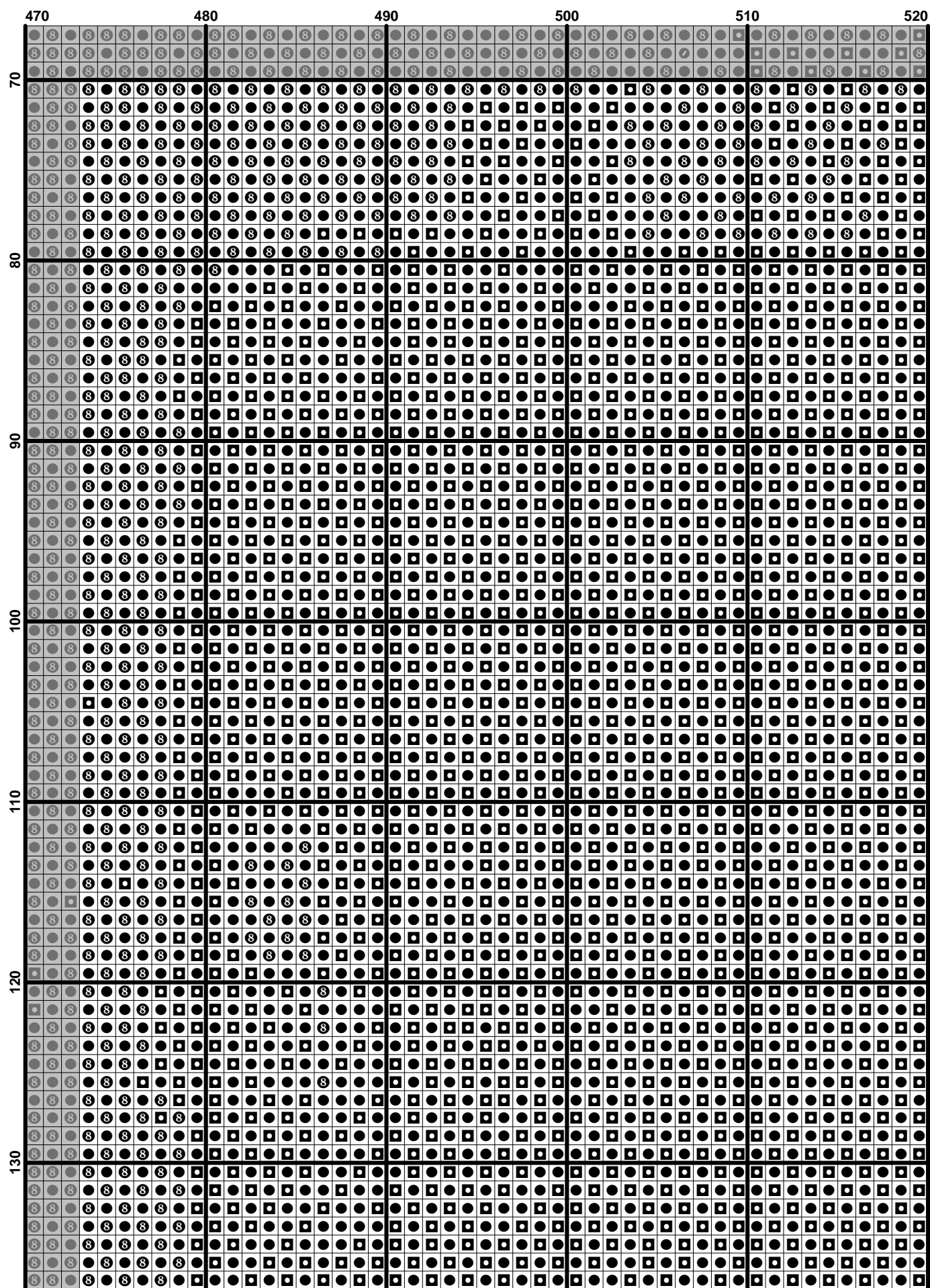
$$(33) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (34)$$

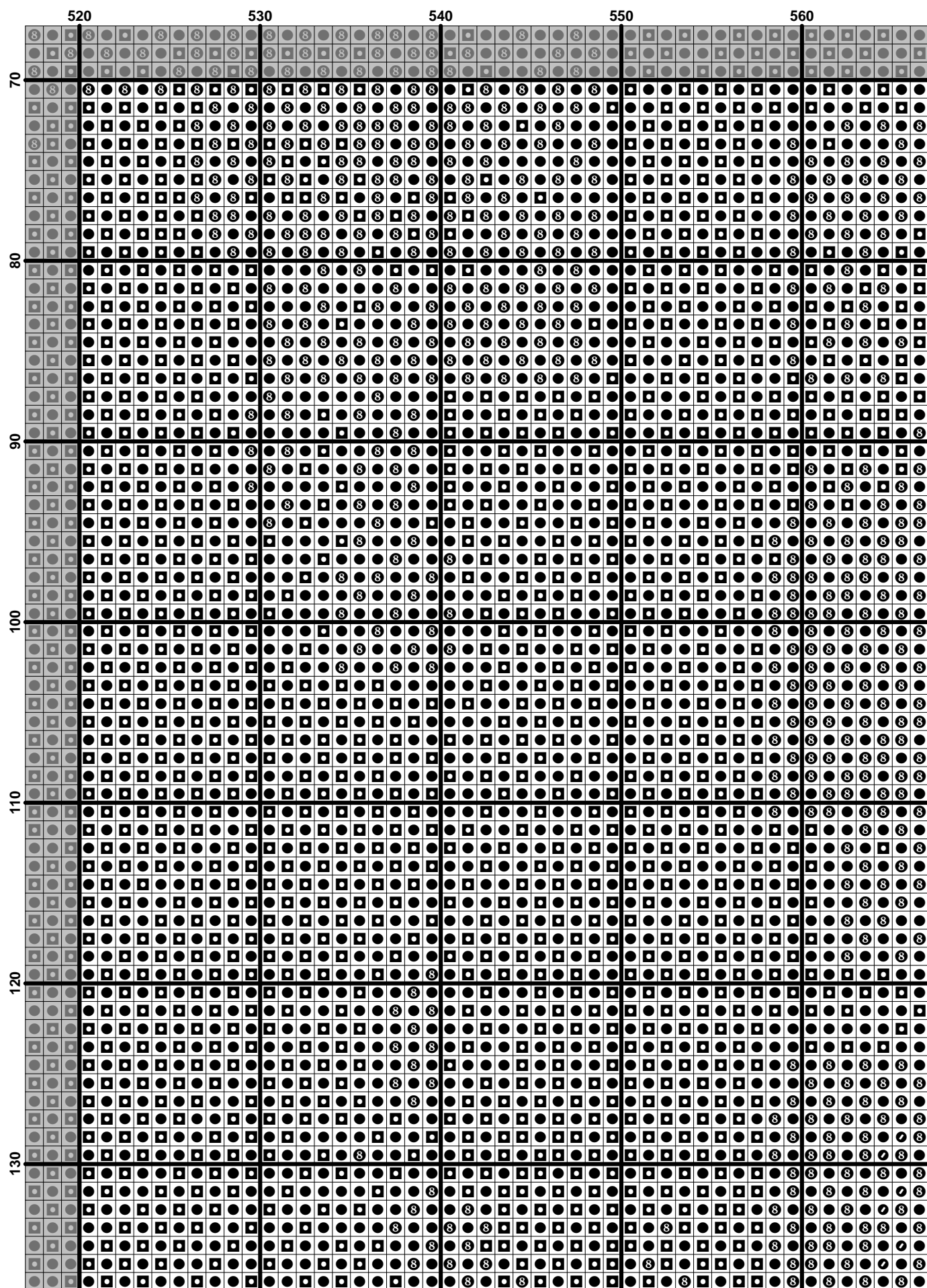
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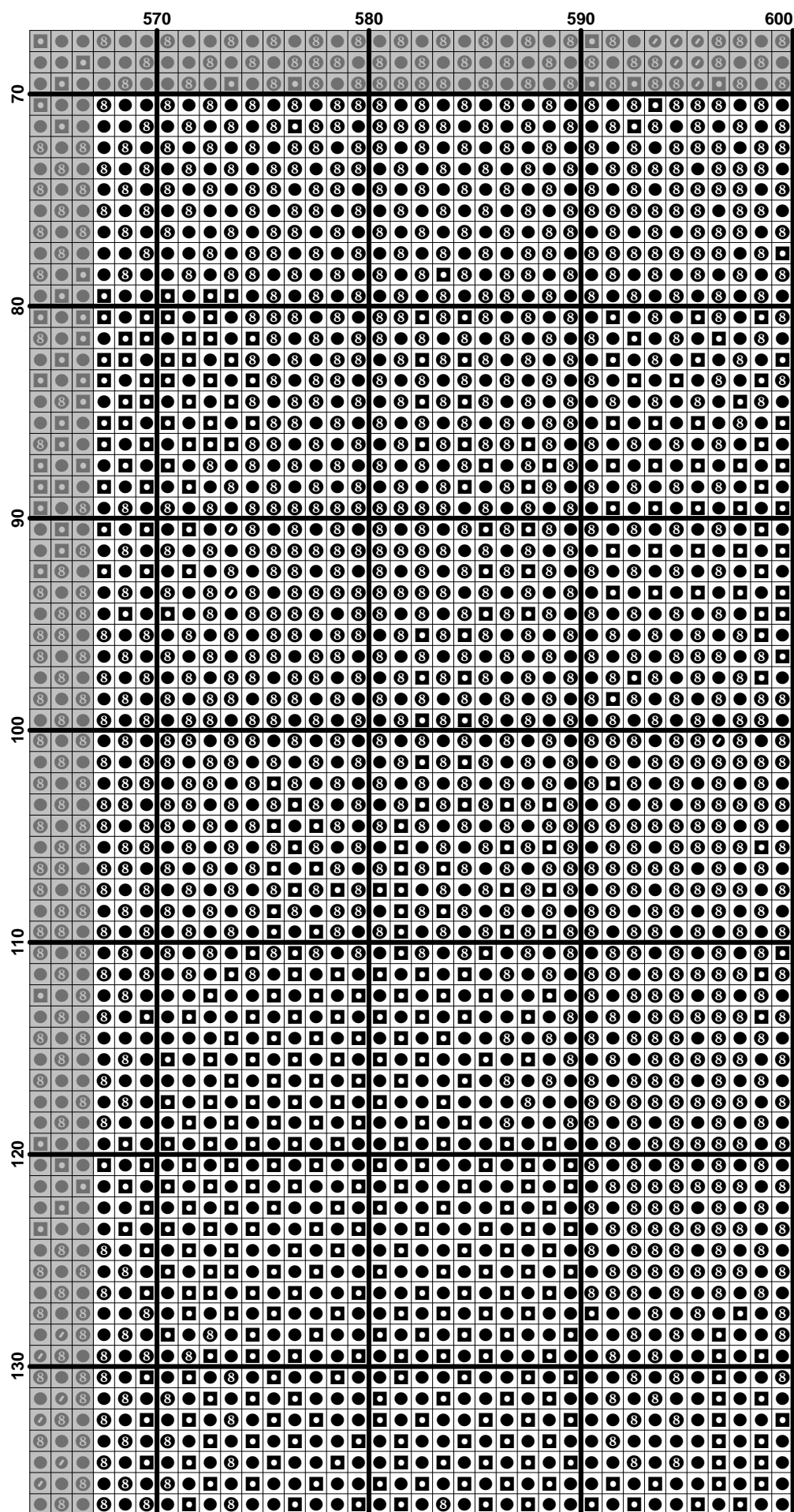


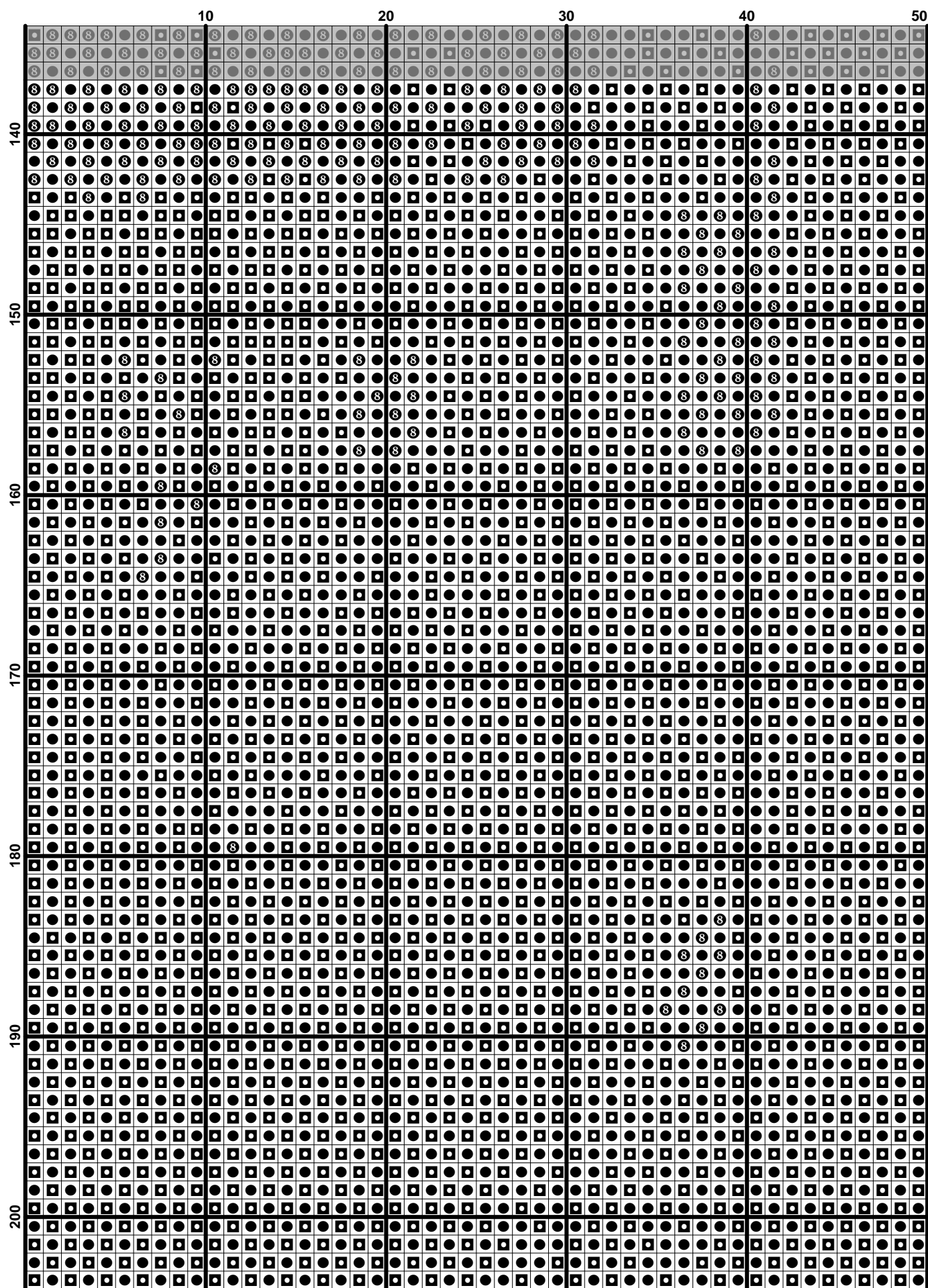


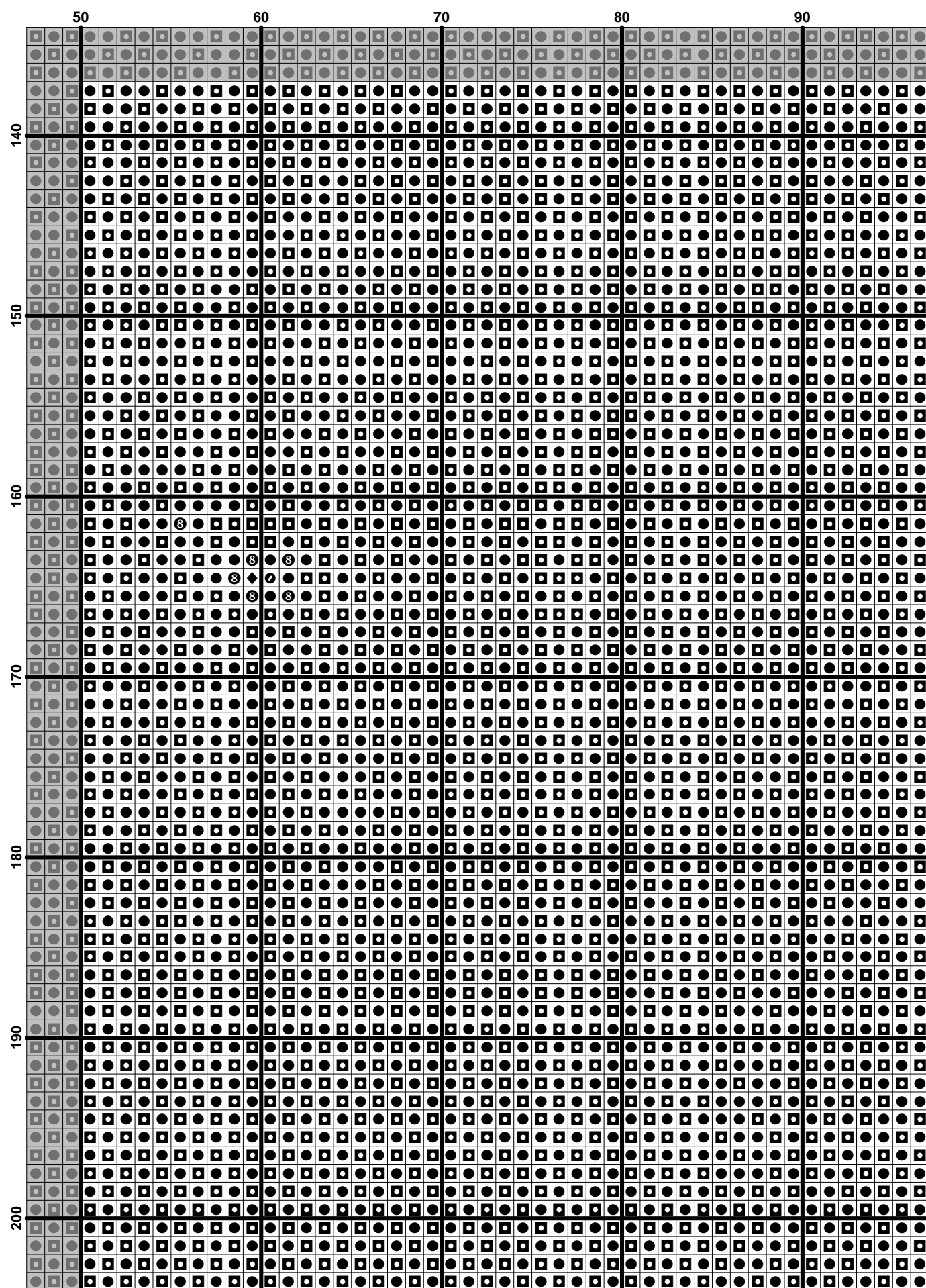


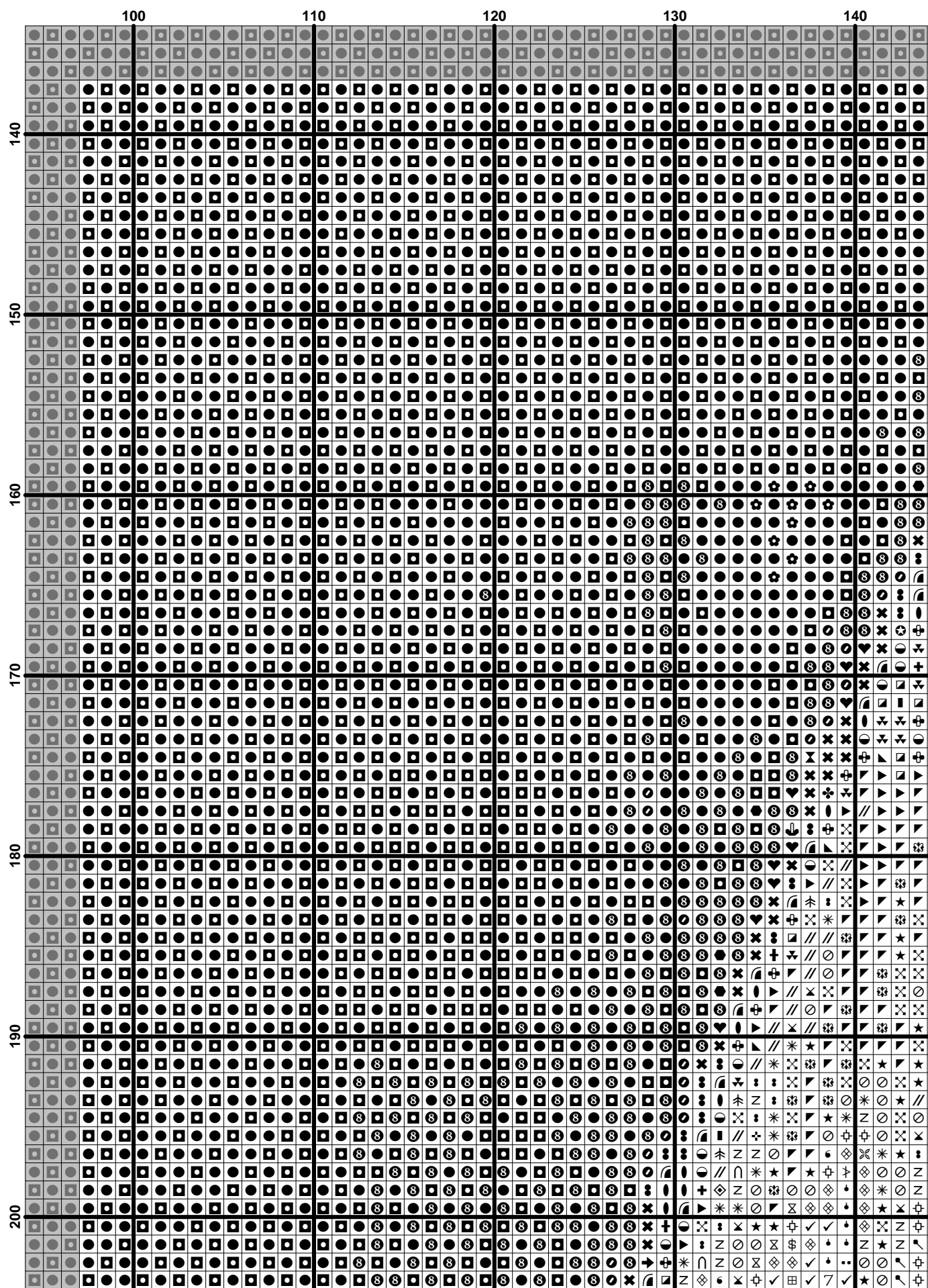












$$(43) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$



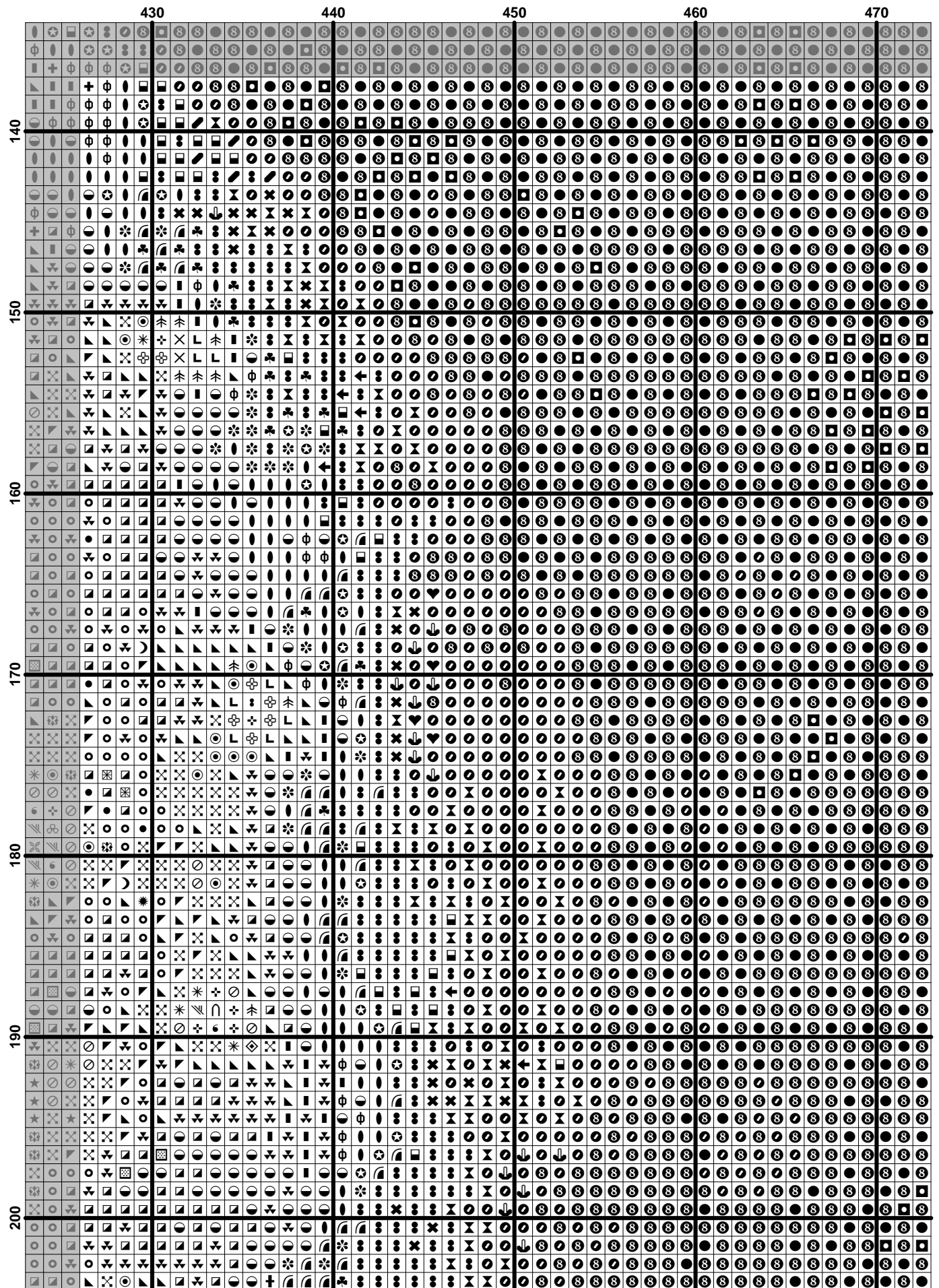
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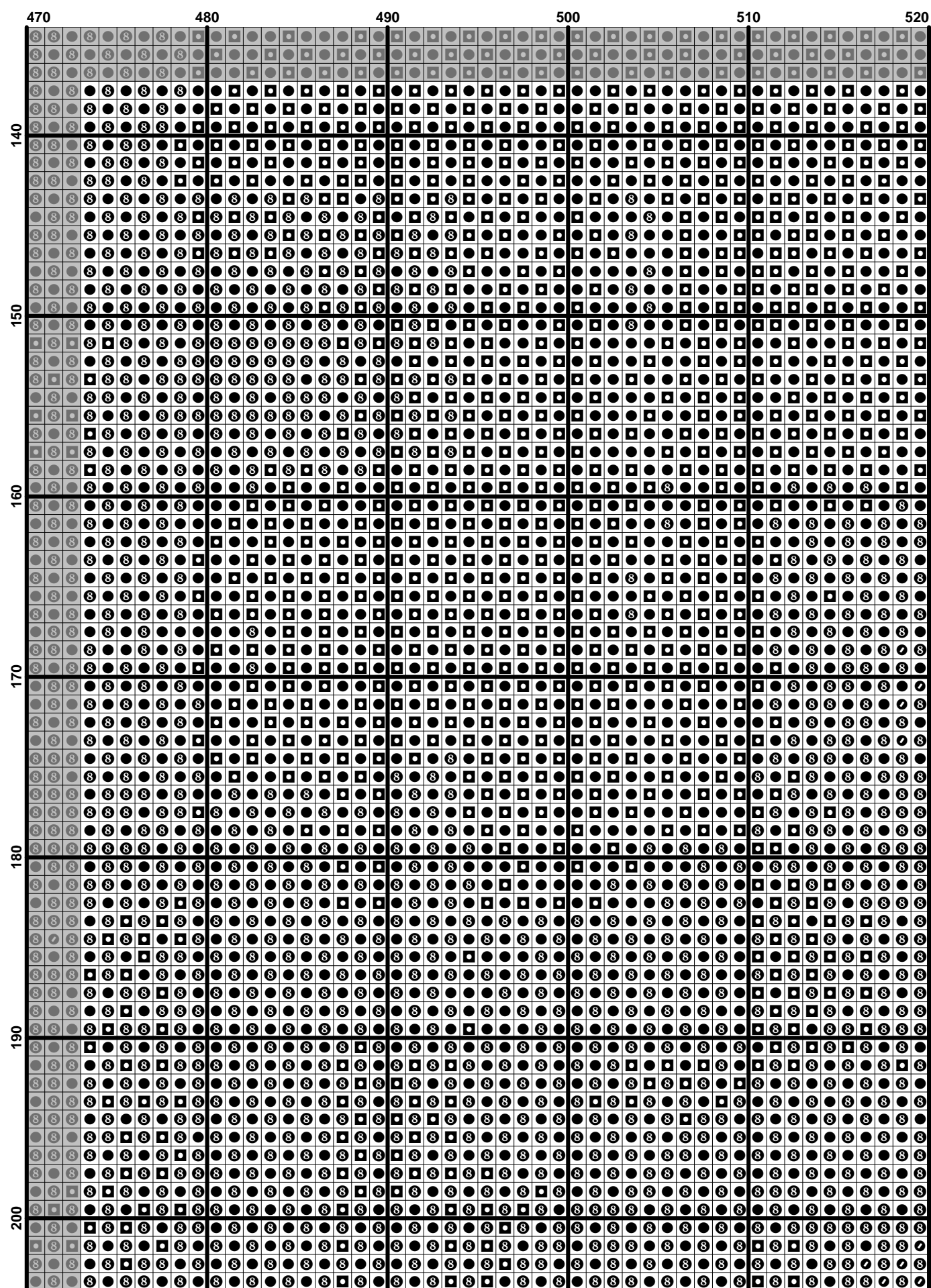
$$(45) \quad \begin{aligned} & \text{[The } \langle \text{Noun}_i \rangle \text{]} \\ & \text{[The } \langle \text{Noun}_i \rangle \text{]}_{\text{NP}} \text{ [The } \langle \text{Noun}_i \rangle \text{]}_{\text{NP}} \end{aligned}$$

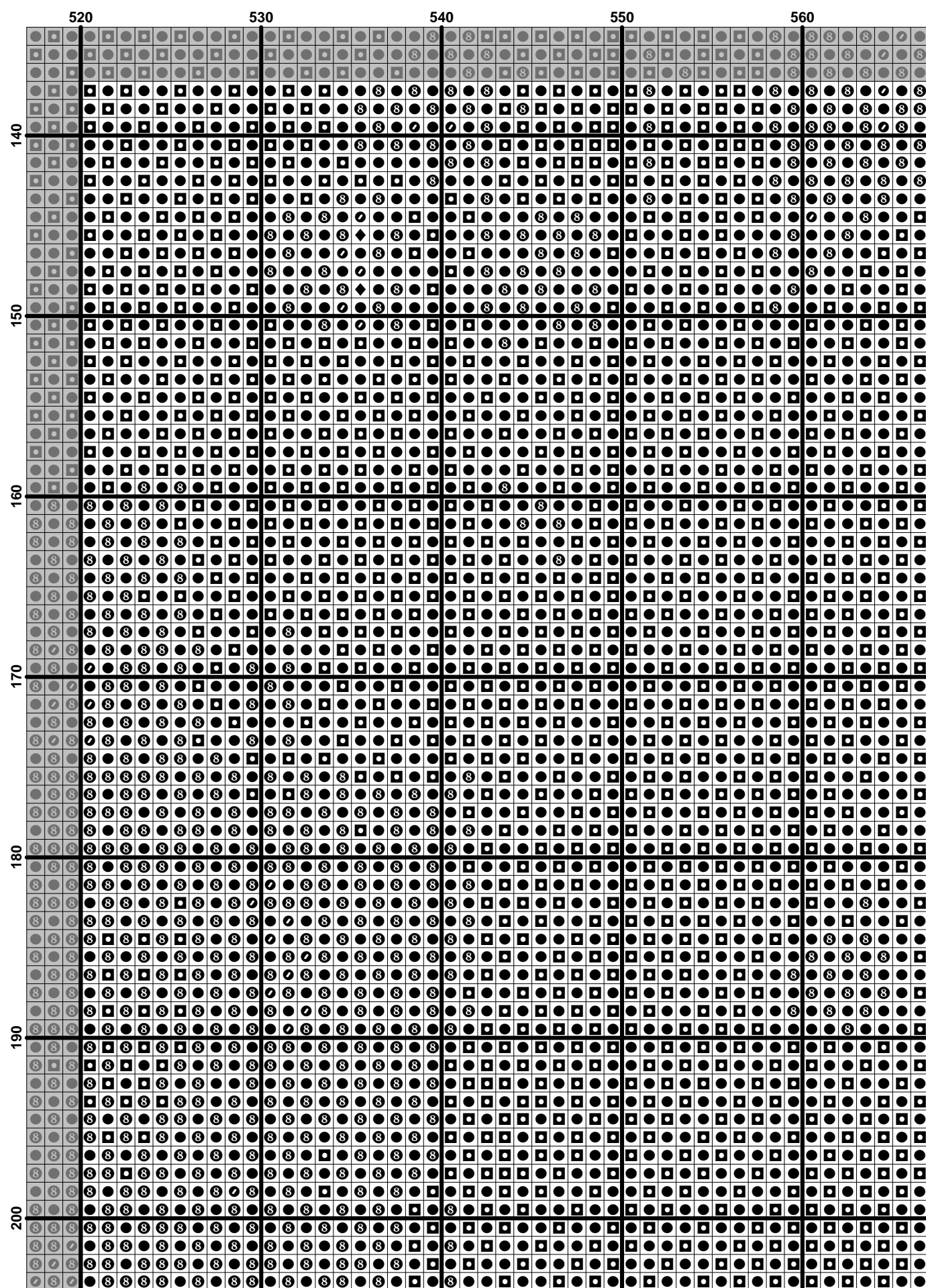
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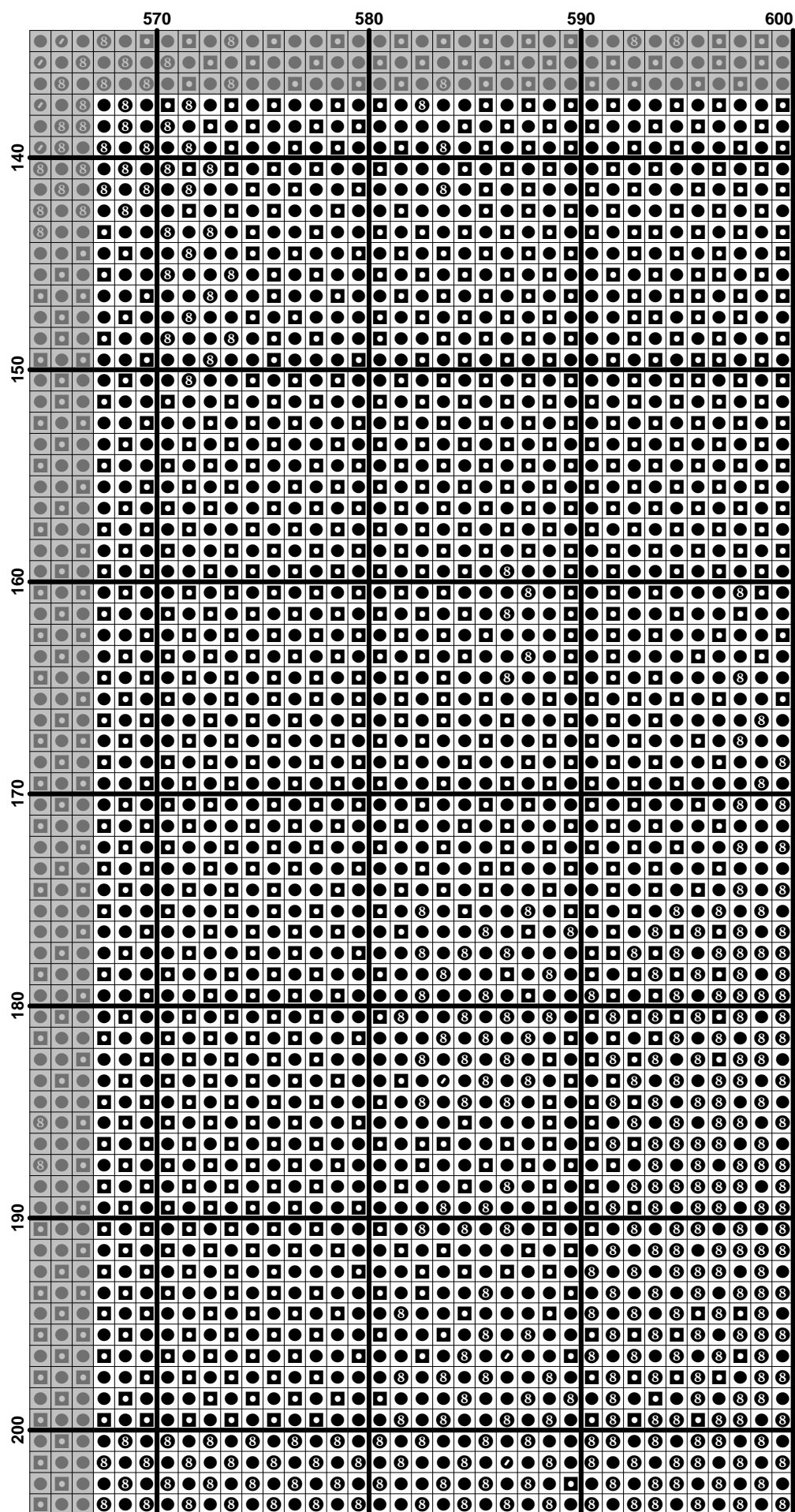
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|-----|-----|-----|-----|-----|-----|
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| 150 | ... | ... | ... | ... | ... |
| 160 | ... | ... | ... | ... | ... |
| 170 | ... | ... | ... | ... | ... |
| 180 | ... | ... | ... | ... | ... |
| 190 | ... | ... | ... | ... | ... |
| 200 | ... | ... | ... | ... | ... |

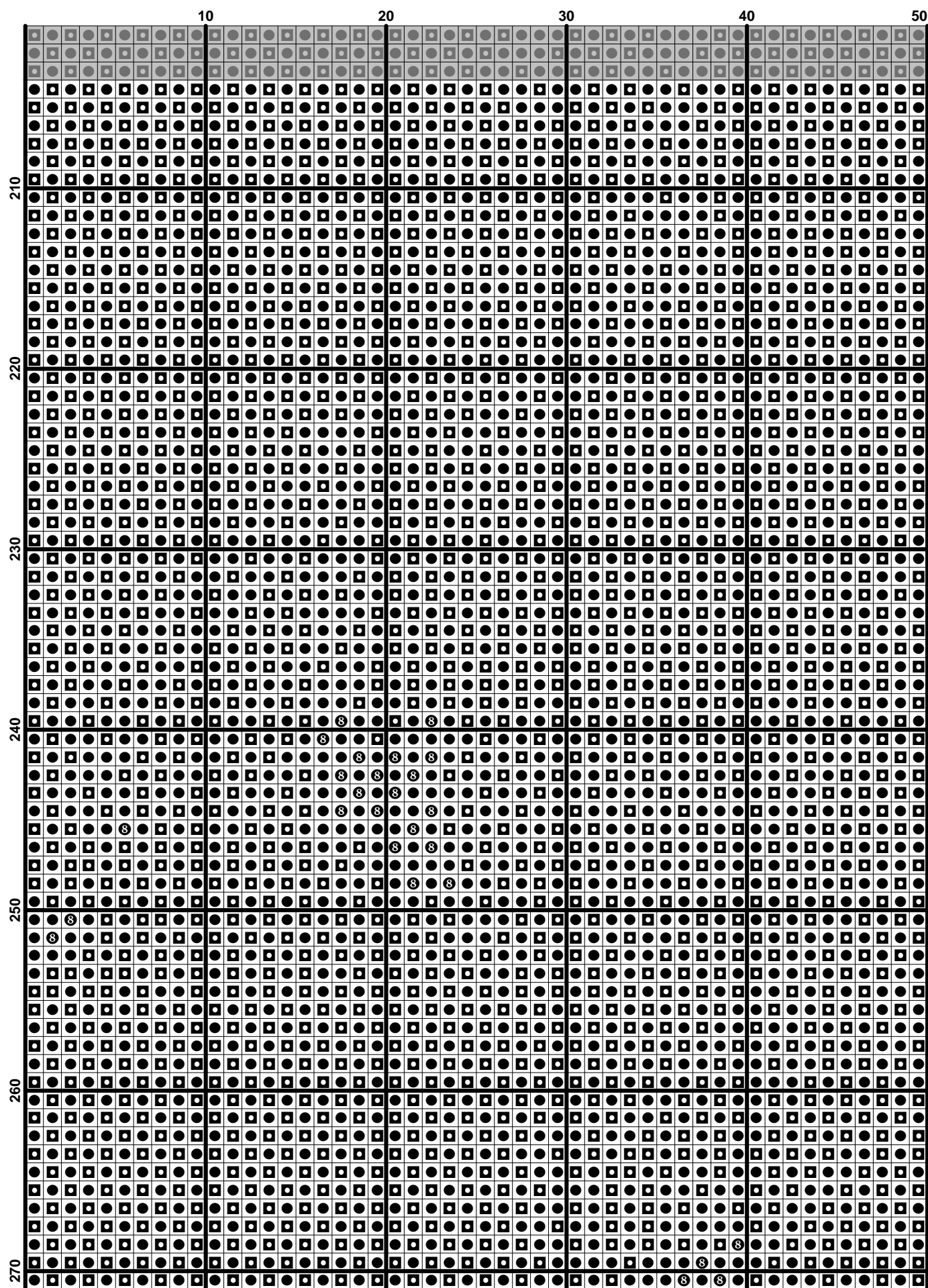


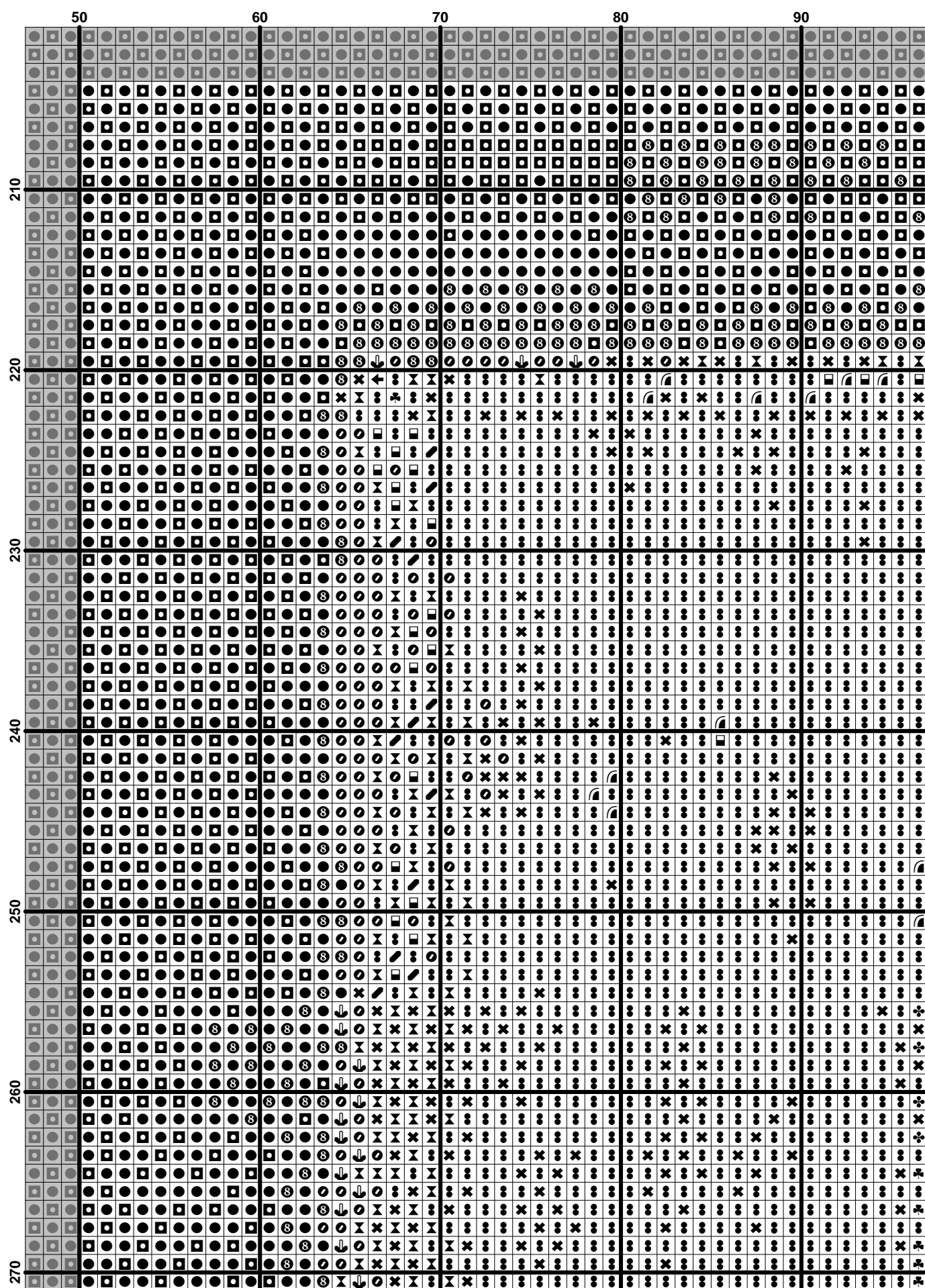












|     | 100 | 110 | 120 | 130 | 140 |
|-----|-----|-----|-----|-----|-----|
| 210 |     |     |     |     |     |
| 220 |     |     |     |     |     |
| 230 |     |     |     |     |     |
| 240 |     |     |     |     |     |
| 250 |     |     |     |     |     |
| 260 |     |     |     |     |     |
| 270 |     |     |     |     |     |

|     | 150 | 160 | 170 | 180 | 190 |
|-----|-----|-----|-----|-----|-----|
| 210 | ★   | ⌂   | ⌂   | ⌂   | ⌂   |
| 211 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 212 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 213 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 214 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 215 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 216 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 217 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 218 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 219 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 220 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 221 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 222 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 223 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 224 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 225 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 226 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 227 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 228 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 229 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 230 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 231 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 232 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 233 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 234 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 235 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 236 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 237 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 238 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 239 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 240 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 241 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 242 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 243 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 244 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 245 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 246 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 247 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 248 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 249 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 250 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 251 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 252 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 253 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 254 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 255 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 256 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 257 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 258 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 259 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 260 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 261 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 262 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 263 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 264 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 265 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 266 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 267 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 268 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 269 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |
| 270 | ⌂   | ⌂   | ⌂   | ⌂   | ⌂   |

|     | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|
| 210 | ... | ... | ... | ... | ... |
| 220 | ... | ... | ... | ... | ... |
| 230 | ... | ... | ... | ... | ... |
| 240 | ... | ... | ... | ... | ... |
| 250 | ... | ... | ... | ... | ... |
| 260 | ... | ... | ... | ... | ... |
| 270 | ... | ... | ... | ... | ... |

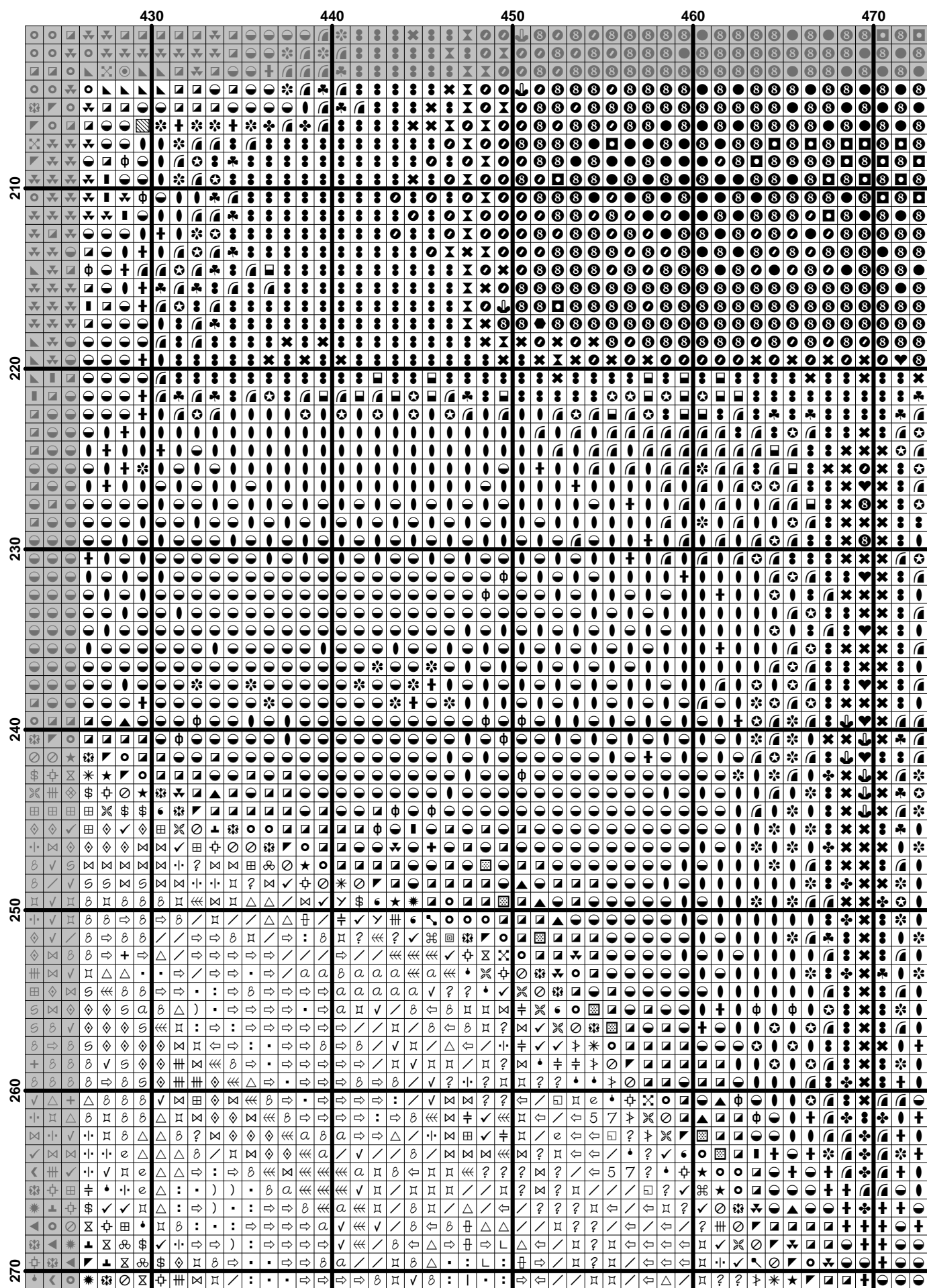
[illegible]

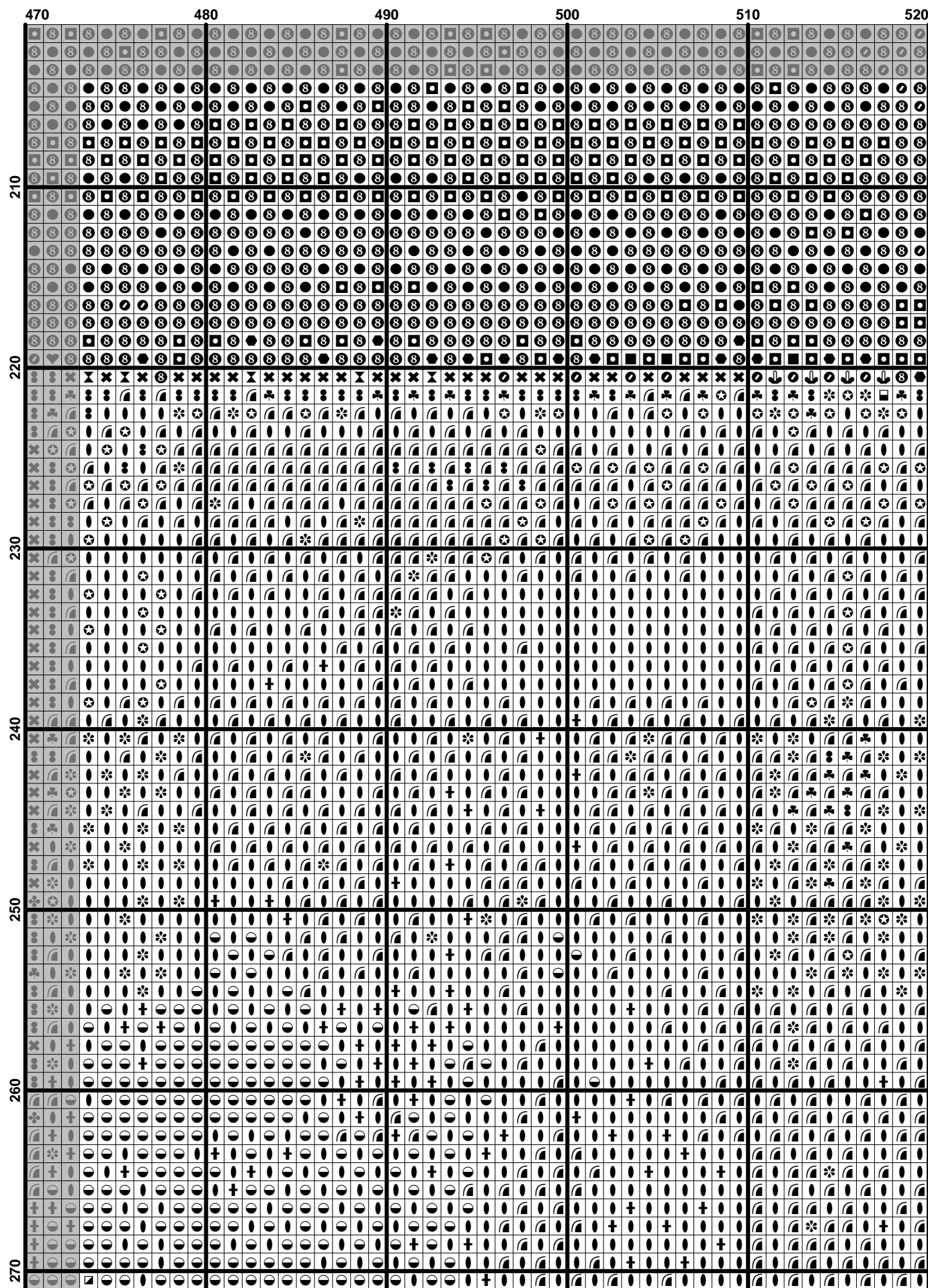
[illegible]

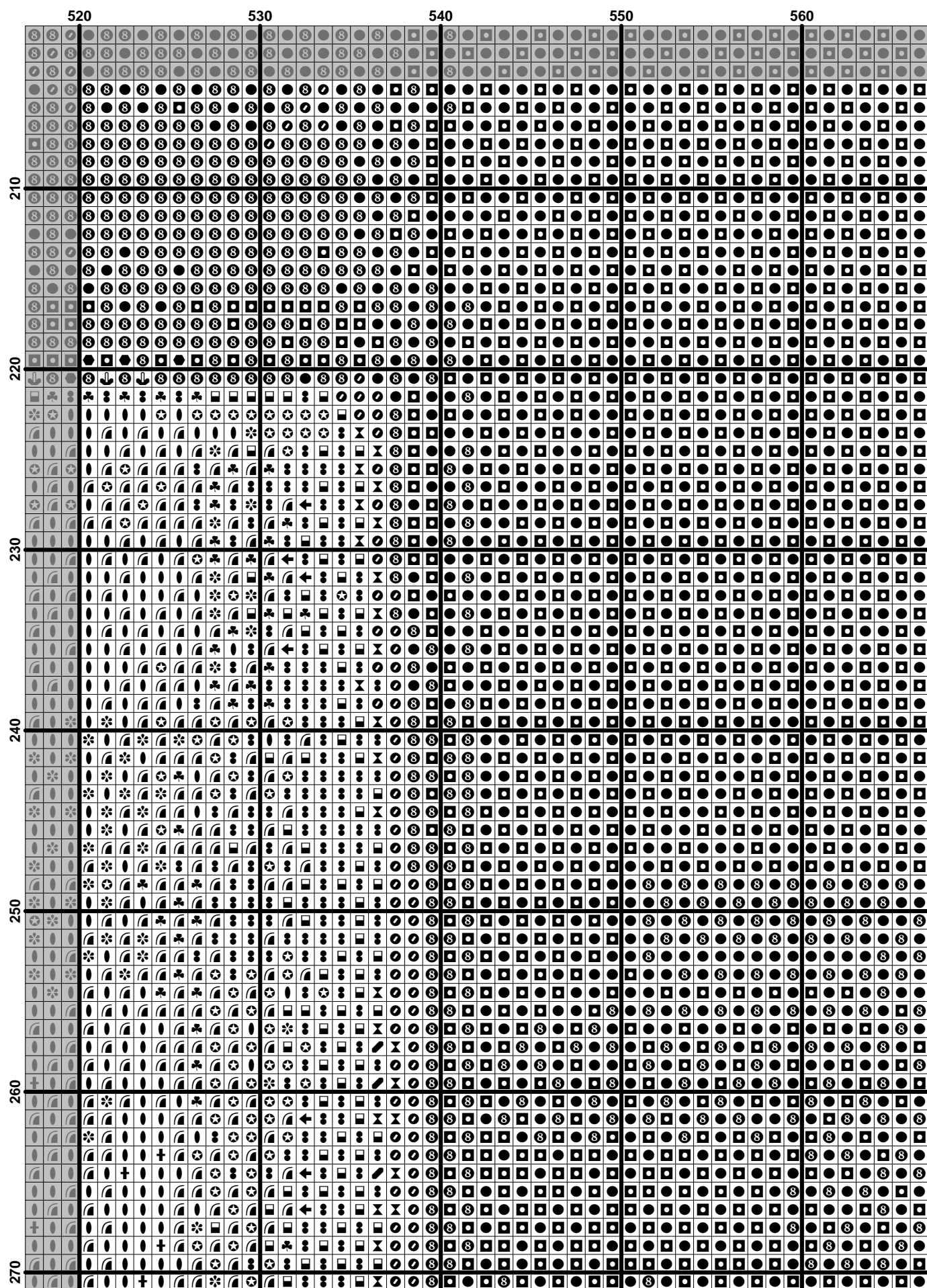


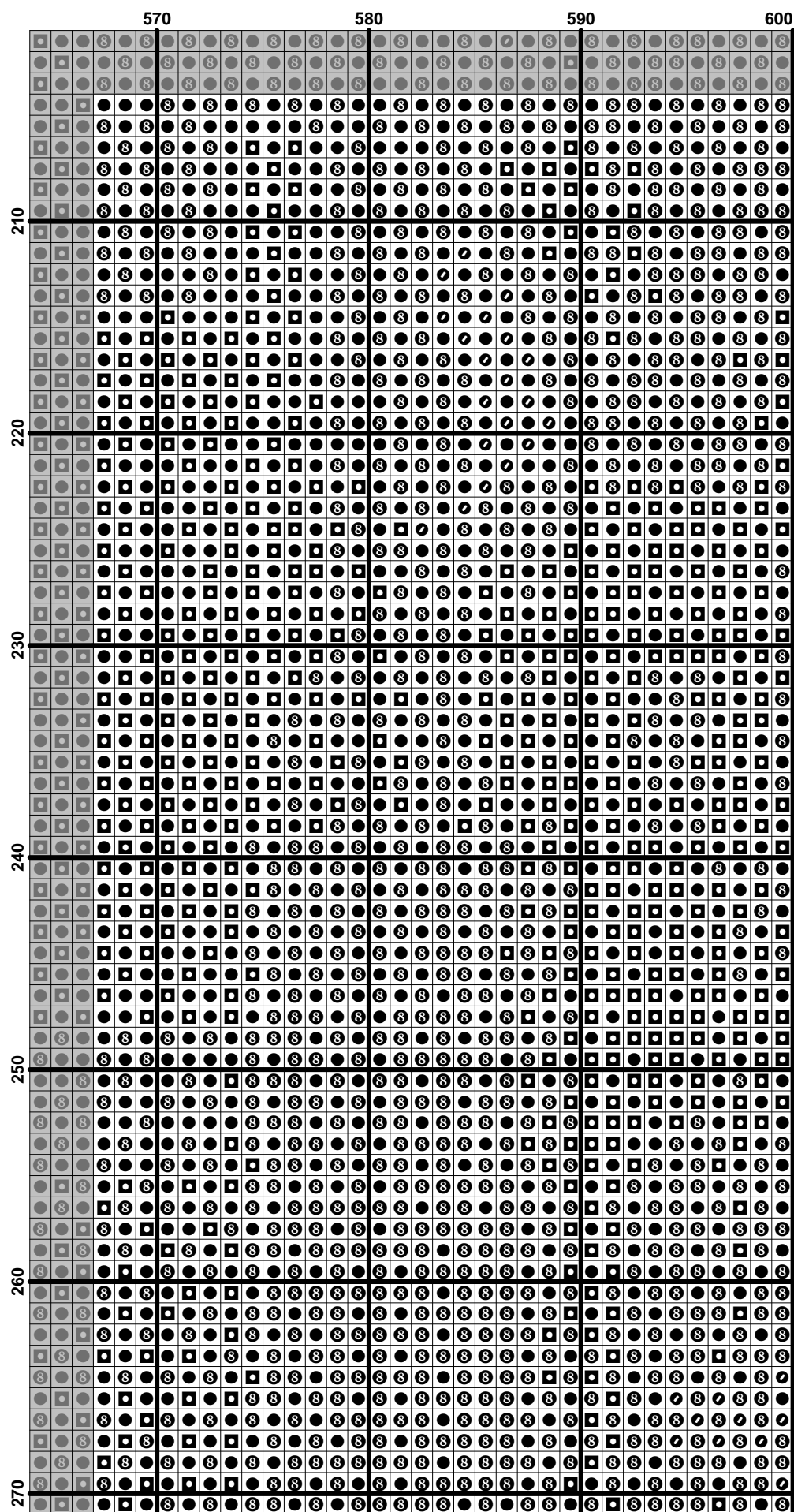
|     | 330 | 340 | 350 | 360 | 370 |
|-----|-----|-----|-----|-----|-----|
| 210 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 211 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 212 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 213 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 214 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 215 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 216 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 217 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 218 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 219 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 220 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 221 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 222 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 223 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 224 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 225 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 226 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 227 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 228 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 229 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 230 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 231 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 232 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 233 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 234 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 235 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 236 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 237 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 238 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 239 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 240 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 241 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 242 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 243 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 244 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 245 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 246 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 247 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 248 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 249 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 250 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 251 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 252 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 253 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 254 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 255 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 256 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 257 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 258 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 259 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 260 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 261 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 262 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 263 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 264 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 265 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 266 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 267 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 268 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 269 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 270 | ✓   | ✓   | ✓   | ✓   | ✓   |

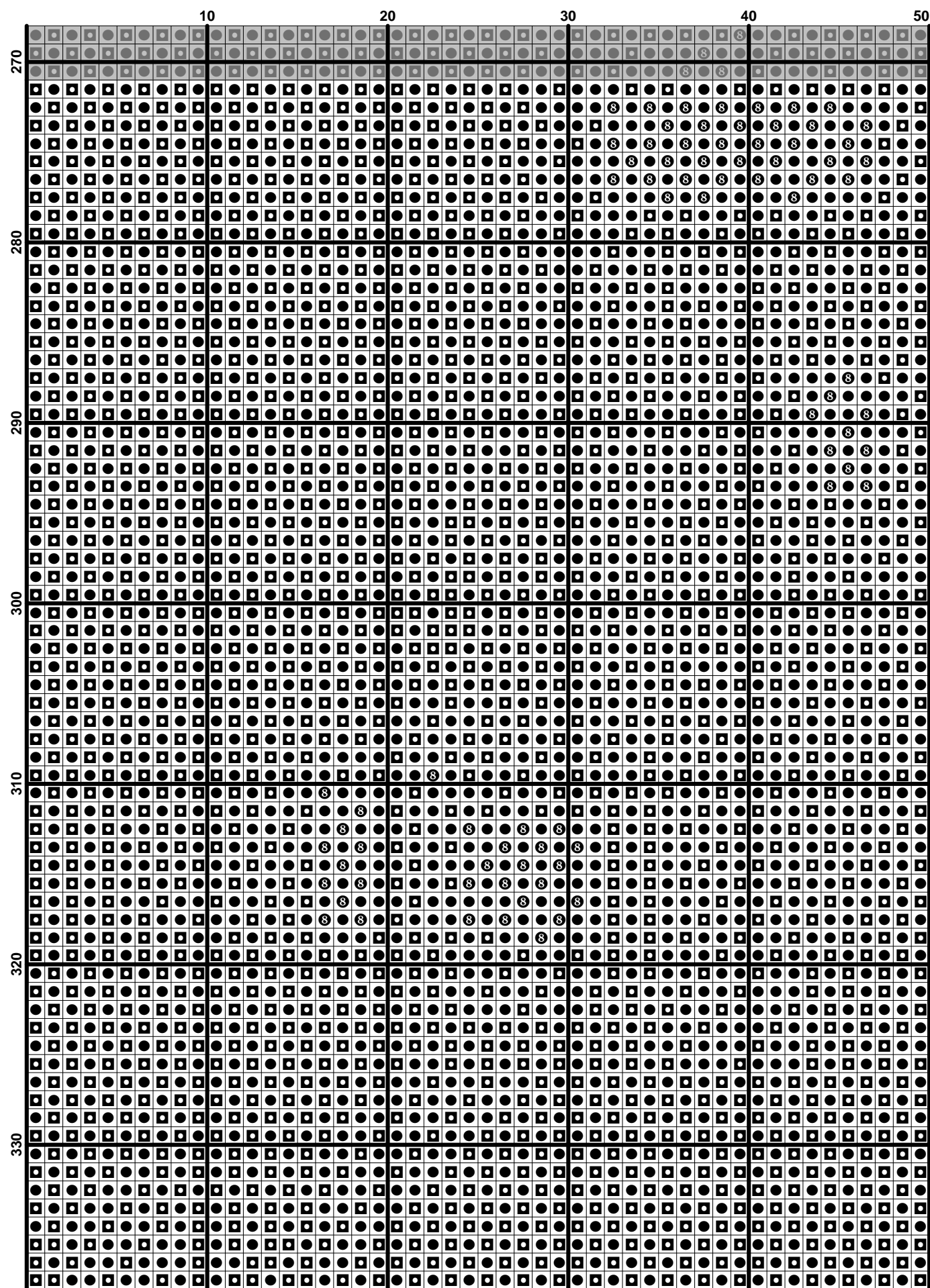
[illegible]

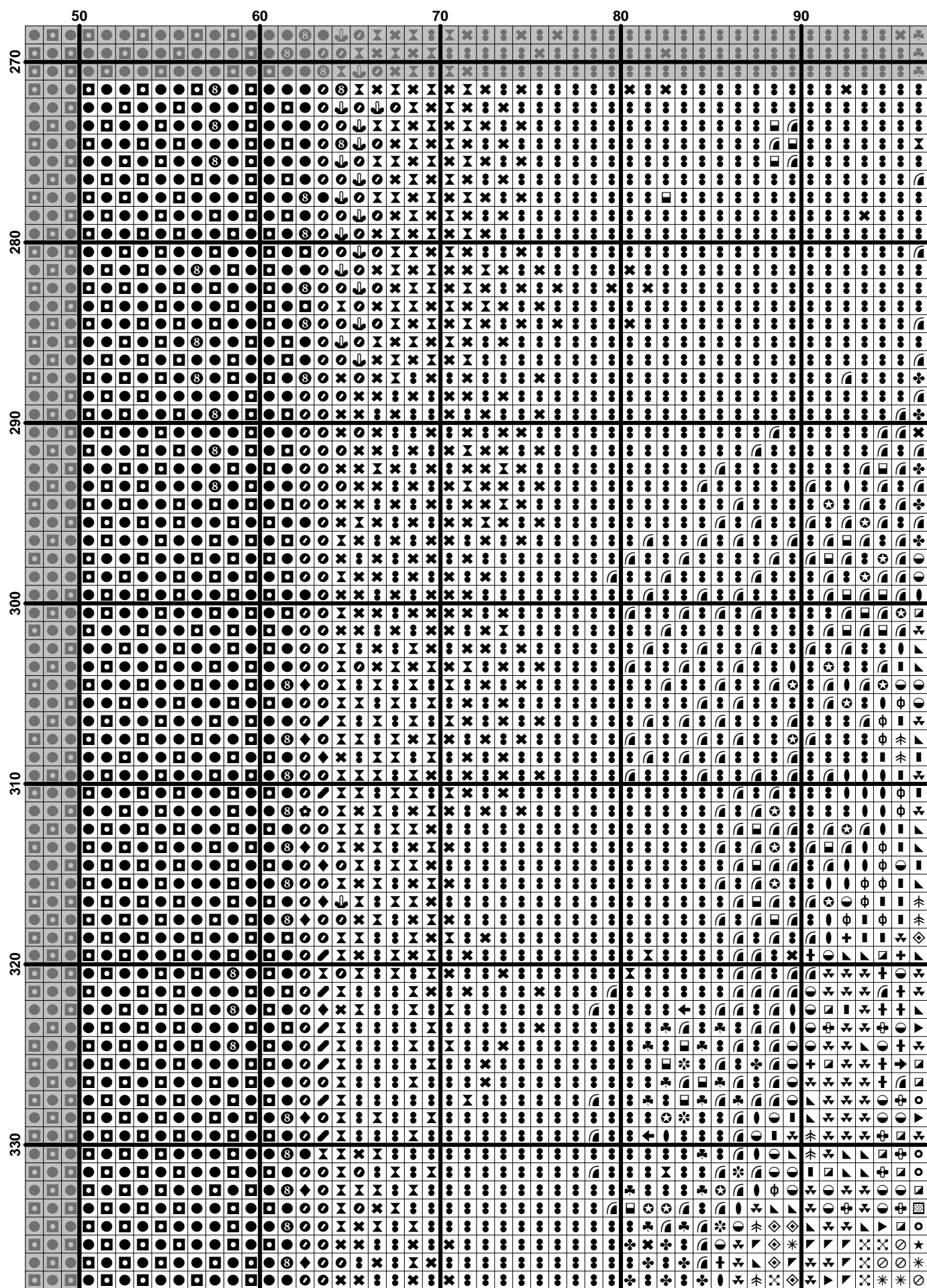














[illegible]

[illegible]

[illegible]

[illegible]

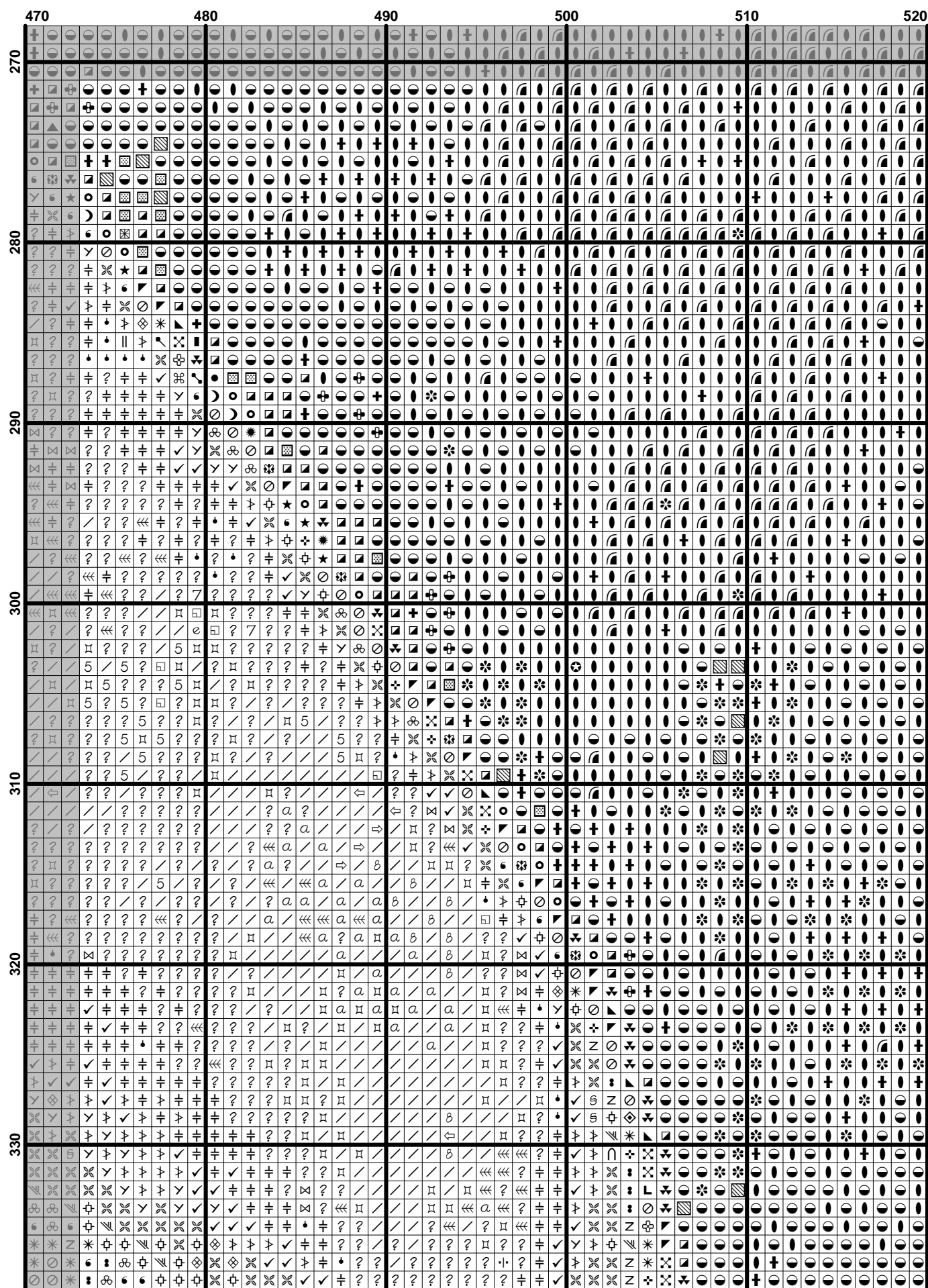
$$(72) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \mathcal{I}_\alpha f(t), \quad t \in [0, T],$$

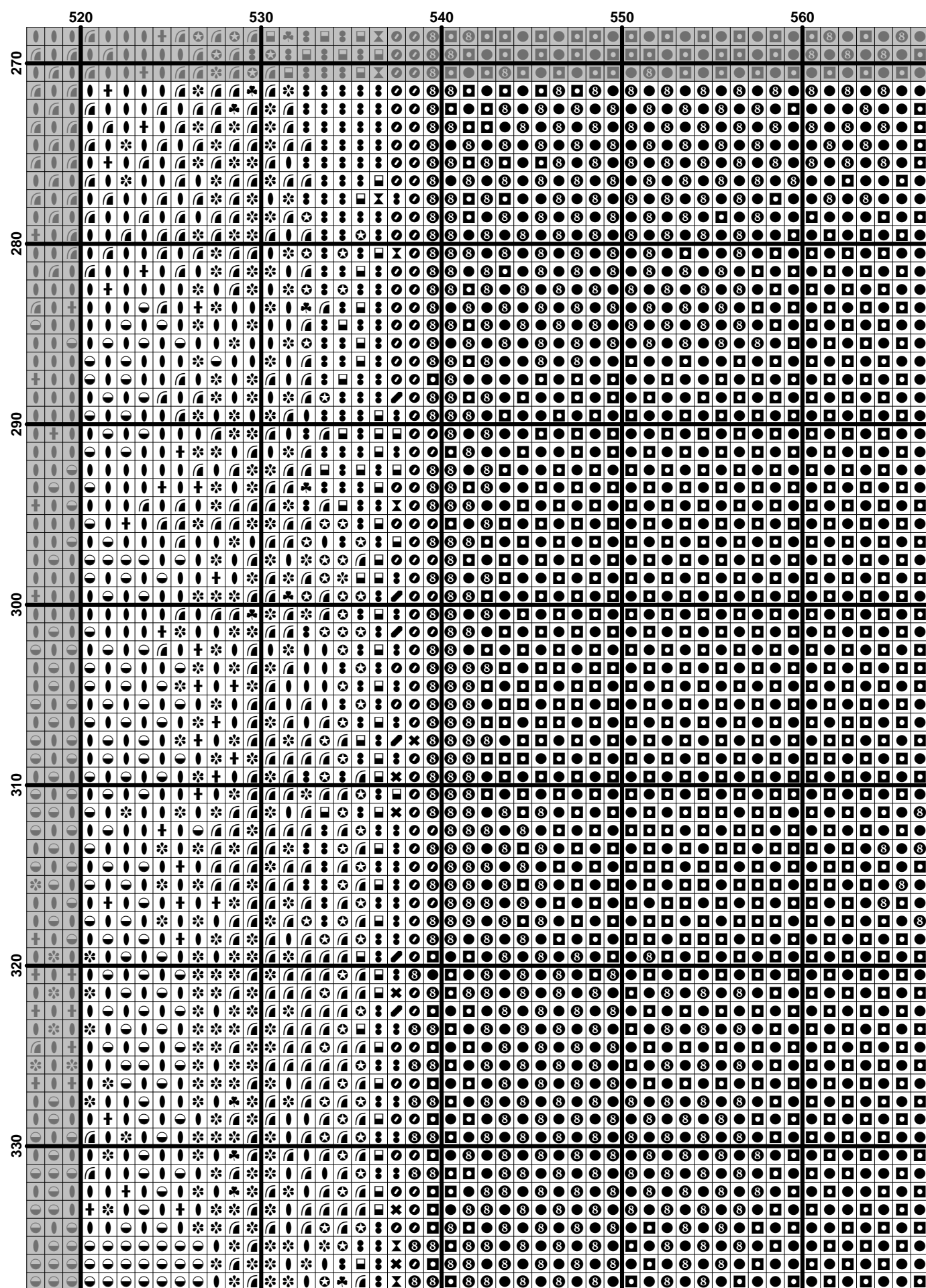
|     | 330 | 340 | 350 | 360 | 370 |
|-----|-----|-----|-----|-----|-----|
| 270 | 1   | 1   | 1   | 1   | 1   |
| 280 | 1   | 1   | 1   | 1   | 1   |
| 290 | 1   | 1   | 1   | 1   | 1   |
| 300 | 1   | 1   | 1   | 1   | 1   |
| 310 | 1   | 1   | 1   | 1   | 1   |
| 320 | 1   | 1   | 1   | 1   | 1   |
| 330 | 1   | 1   | 1   | 1   | 1   |

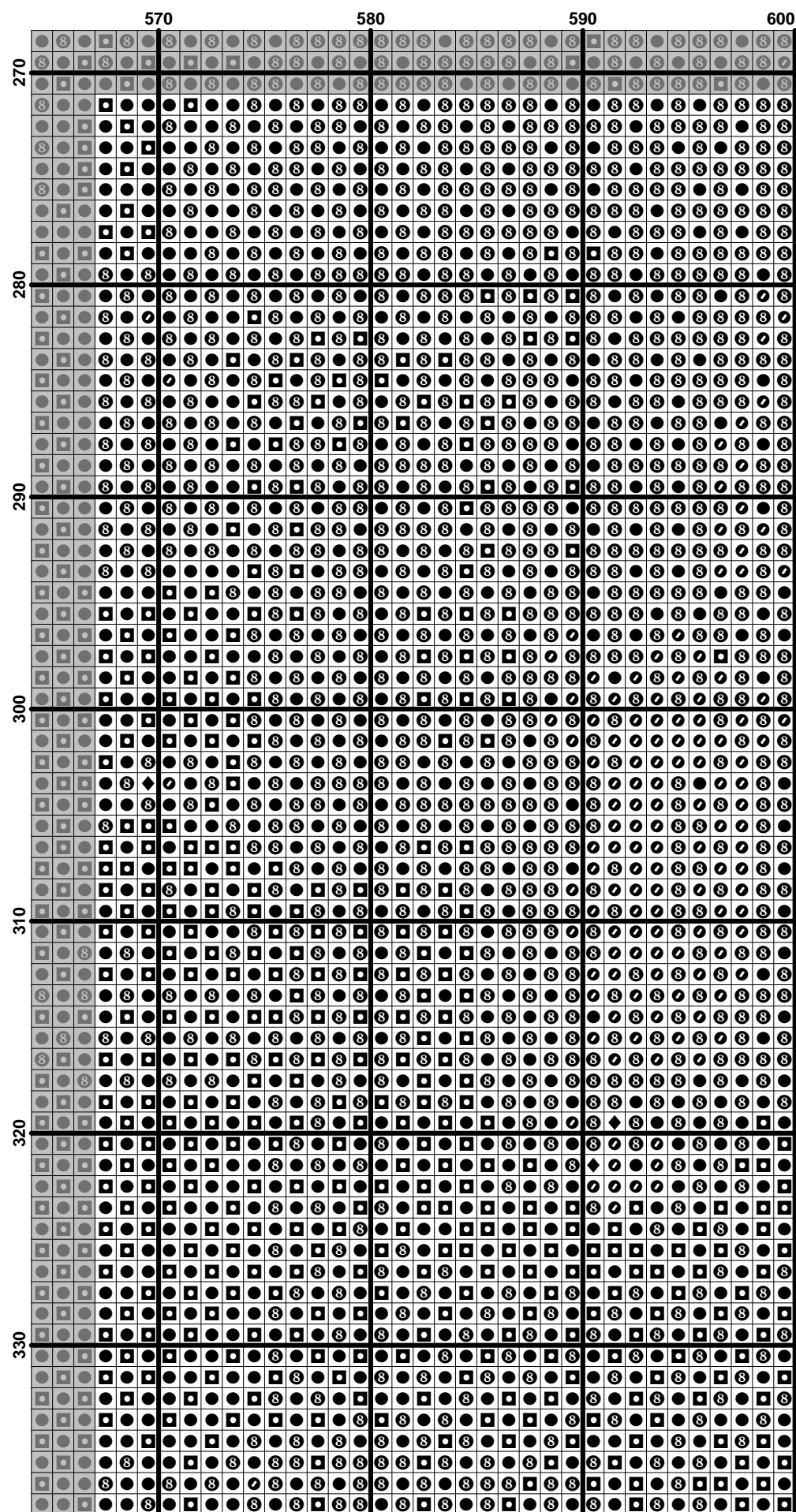
[illegible]

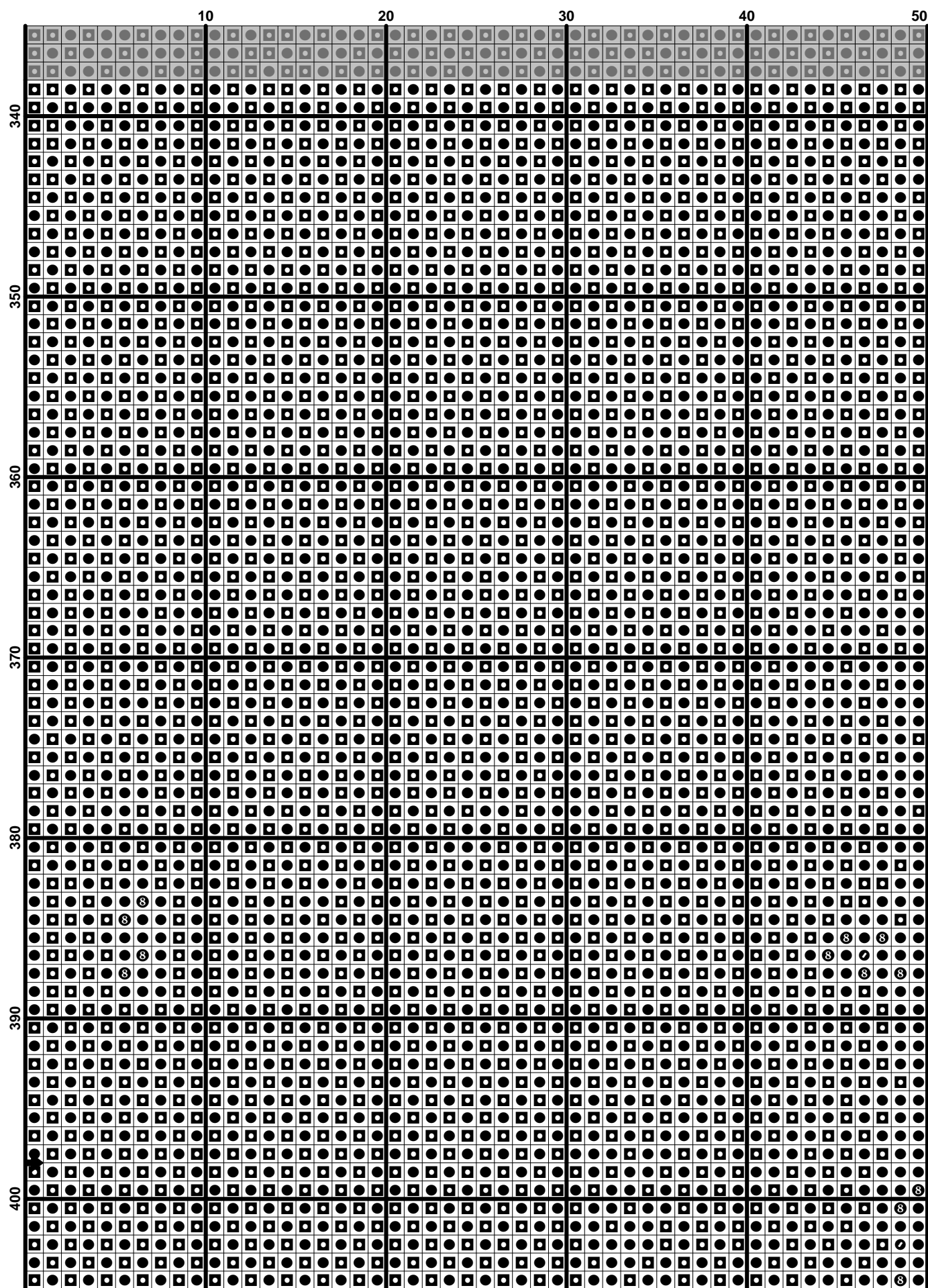
[illegible]













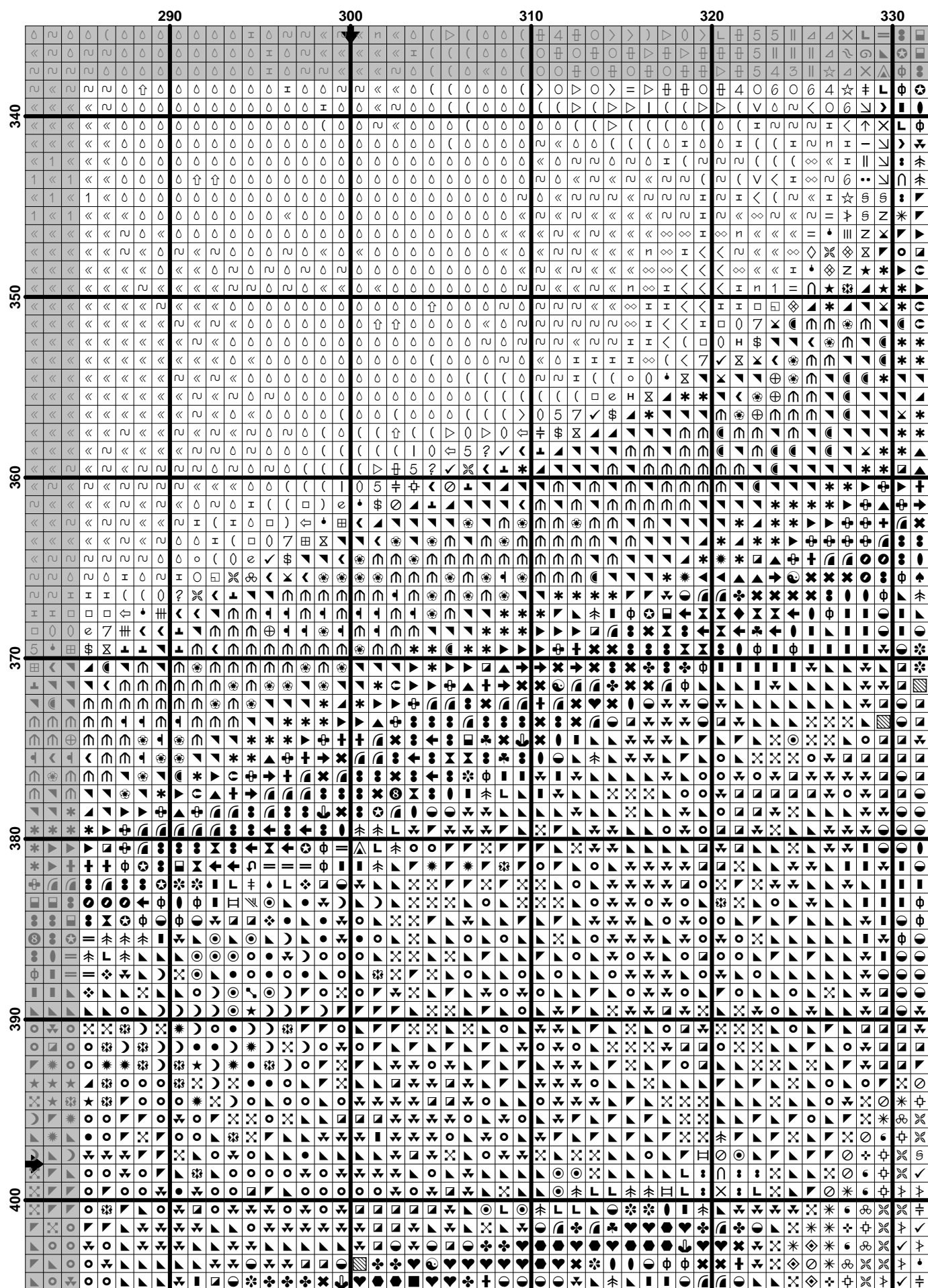
[illegible]

[illegible]

[illegible]



(85)

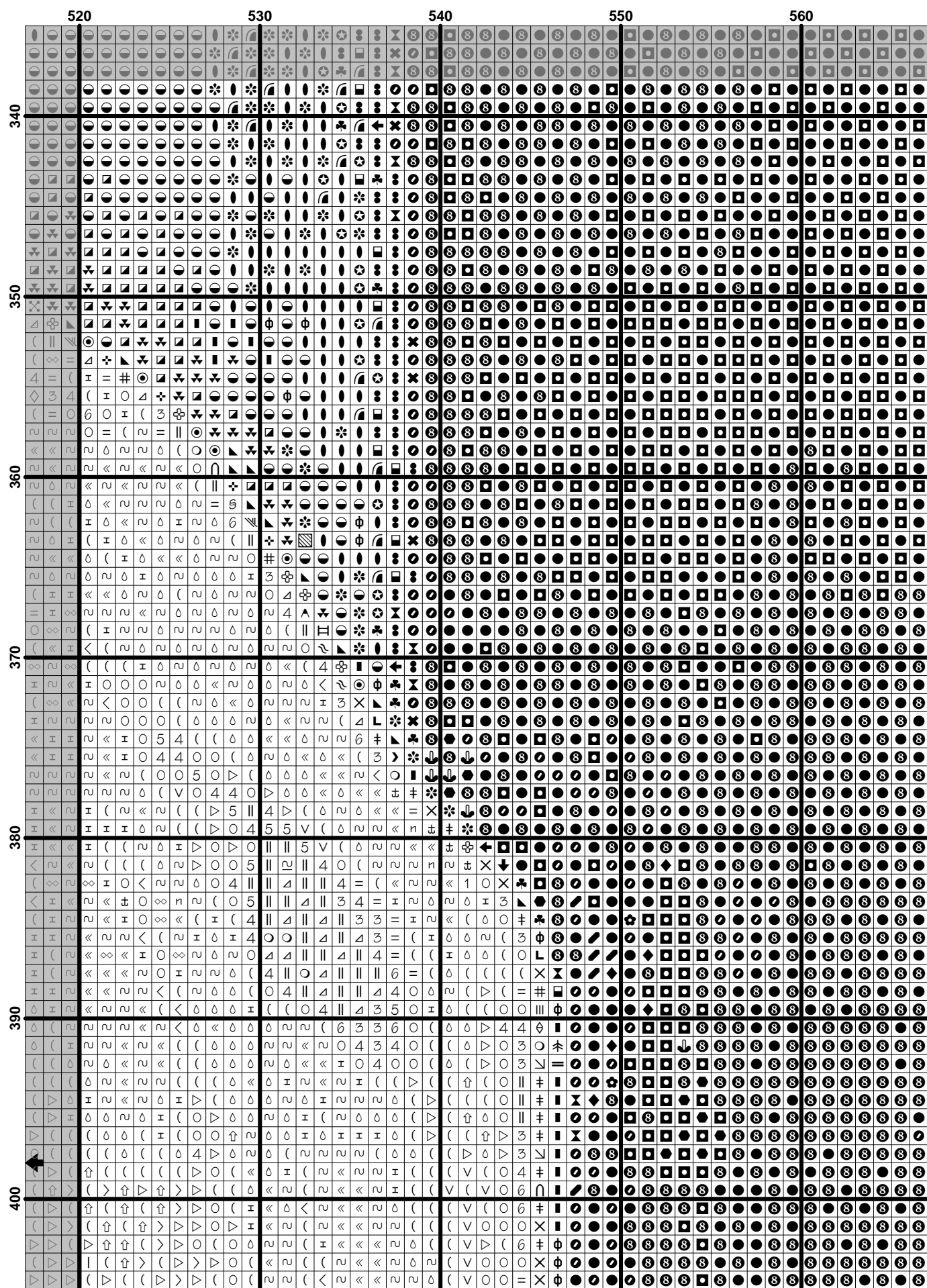


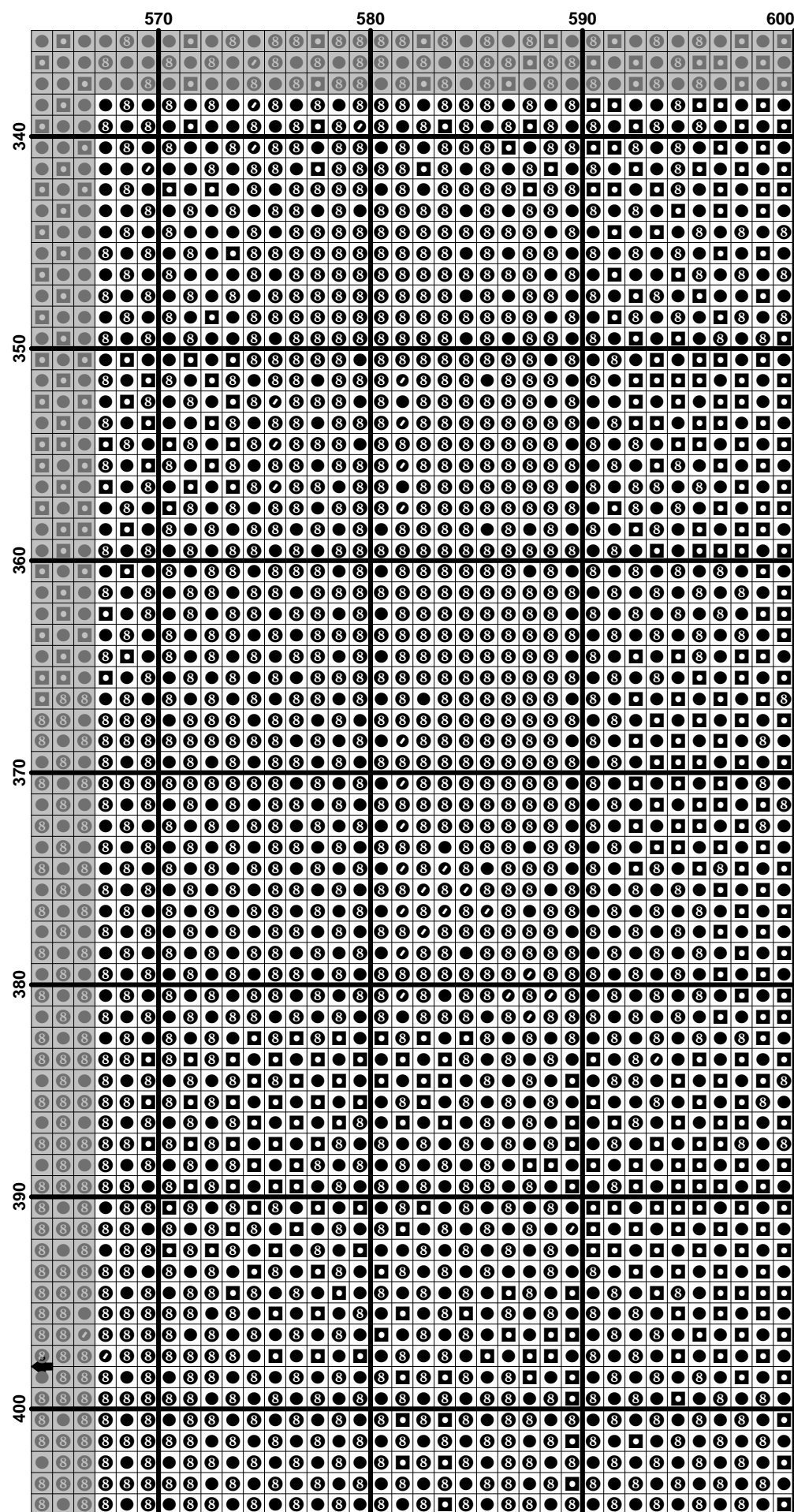
|     | 330 | 340 | 350 | 360 | 370 |
|-----|-----|-----|-----|-----|-----|
| 340 | ... | ... | ... | ... | ... |
| 350 | ... | ... | ... | ... | ... |
| 360 | ... | ... | ... | ... | ... |
| 370 | ... | ... | ... | ... | ... |
| 380 | ... | ... | ... | ... | ... |
| 390 | ... | ... | ... | ... | ... |
| 400 | ... | ... | ... | ... | ... |

$$(87) \quad \mathcal{L}(\mathcal{A}) \subseteq \mathcal{L}(\mathcal{B}) \iff \mathcal{A} \subseteq \mathcal{B} \quad (88)$$

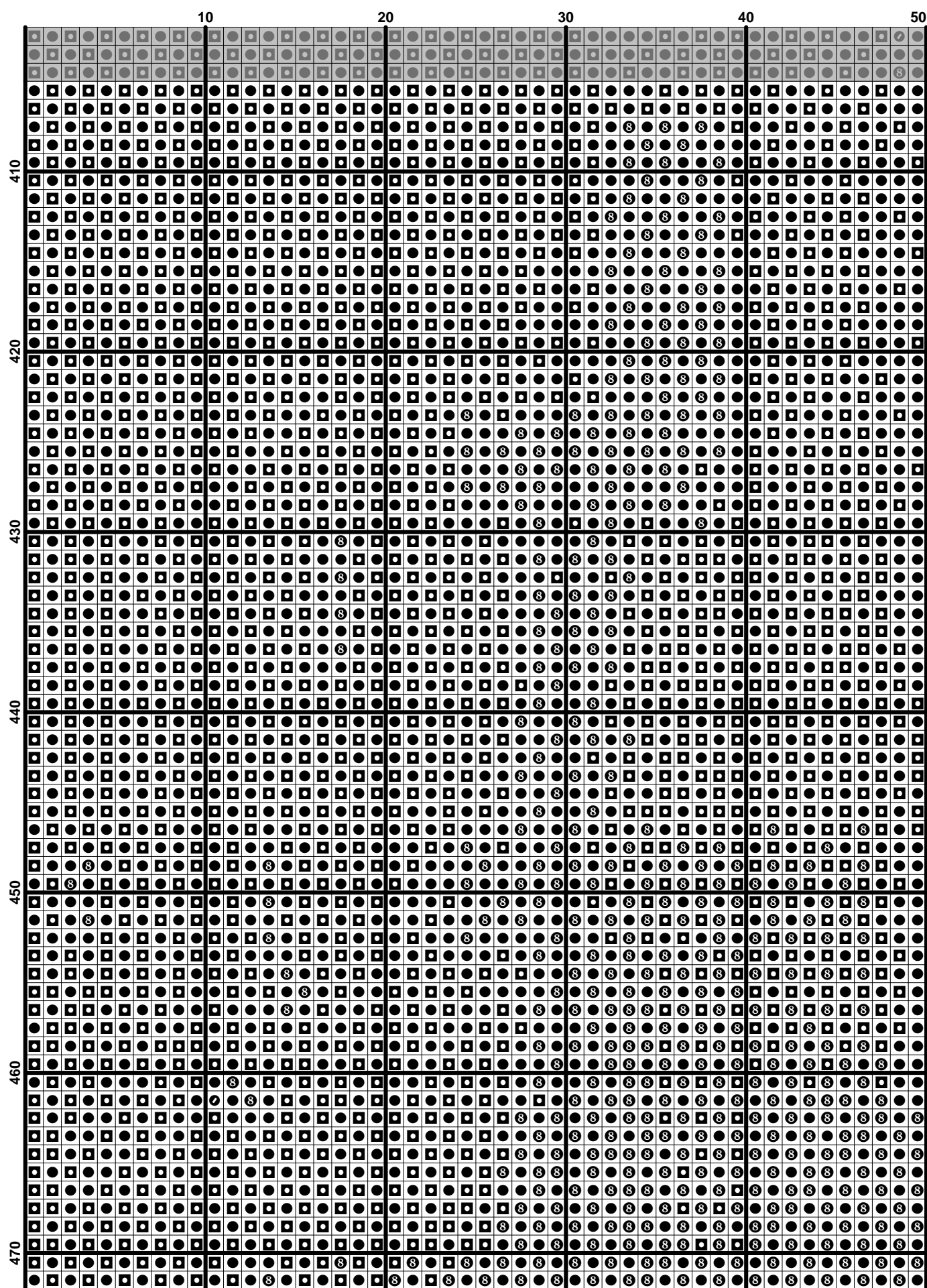
$$(88) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

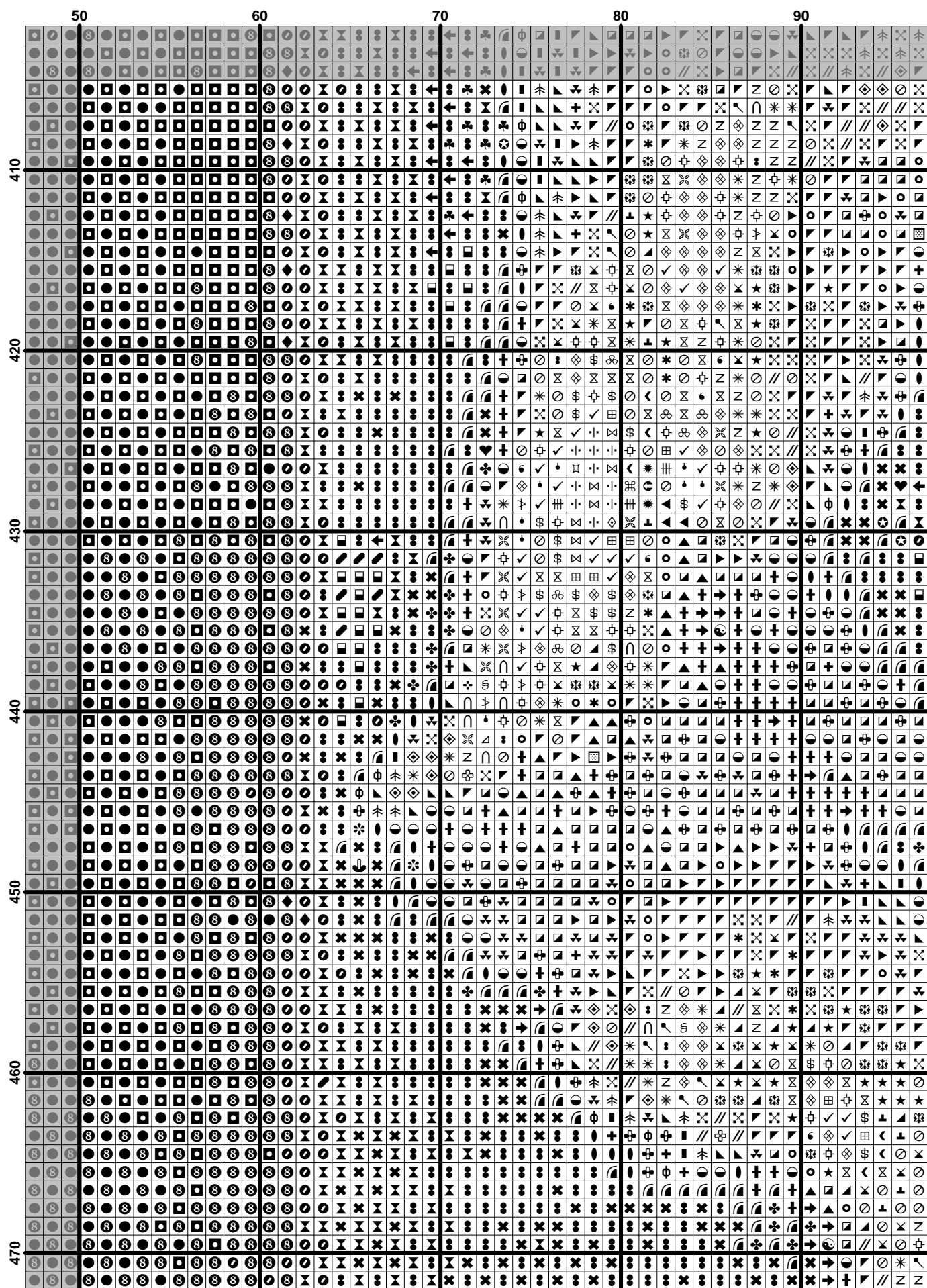
[illegible]

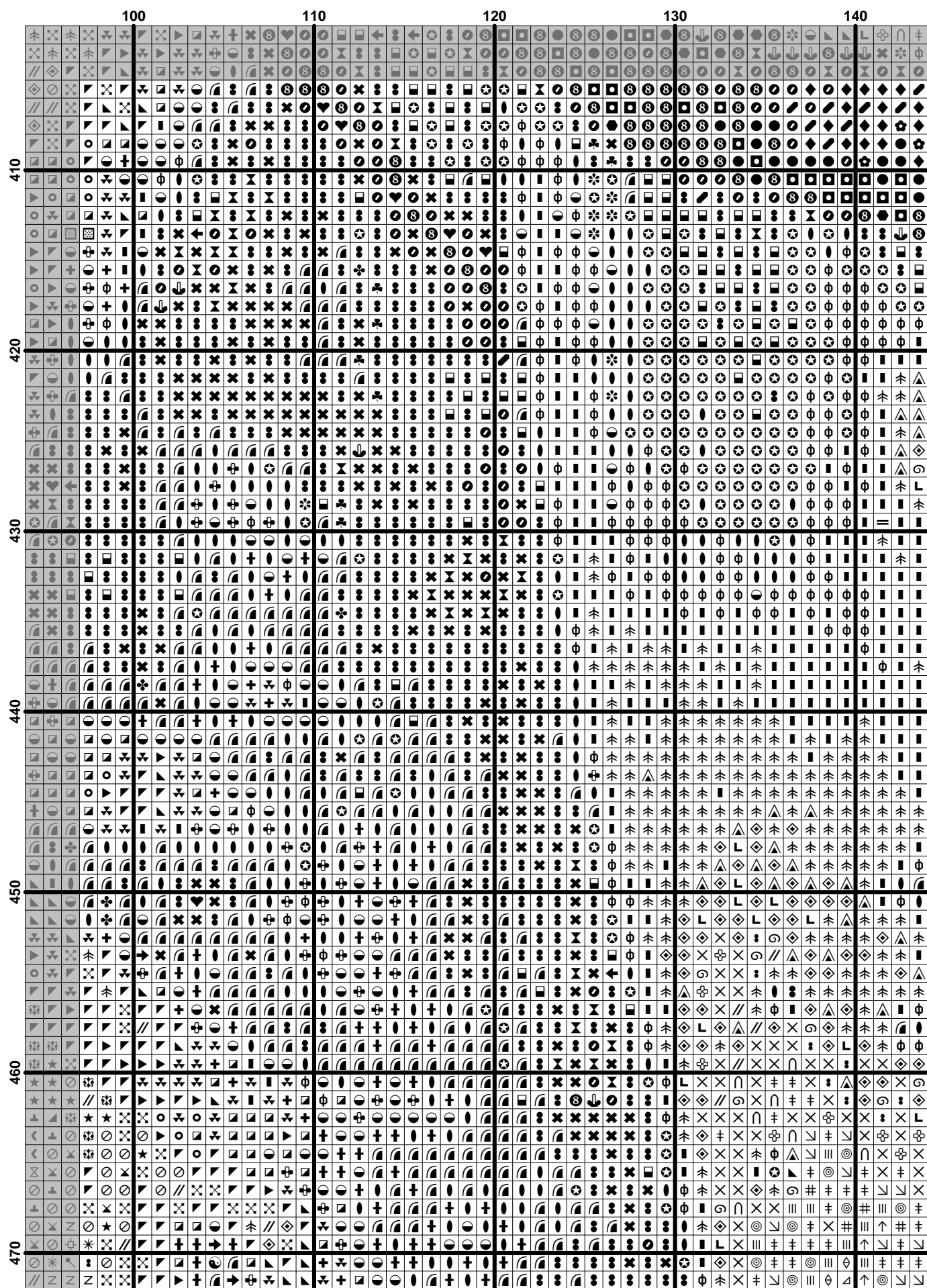












$$(95) \quad \text{[The rest of the page content is missing, but the label (96) is present at the end of the line]} \quad (96)$$



[illegible]

|     | 290 |  |  |  |  |  |  |  | 300 |  |  |  |  |  |  |  | 310 |  |  |  |  |  |  |  | 320 |  |  |  |  |  |  |  | 330 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 410 |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|     | 330 | 340 | 350 | 360 | 370 |
|-----|-----|-----|-----|-----|-----|
| 410 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 420 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 430 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 440 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 450 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 460 | ✓   | ✓   | ✓   | ✓   | ✓   |
| 470 | ✓   | ✓   | ✓   | ✓   | ✓   |

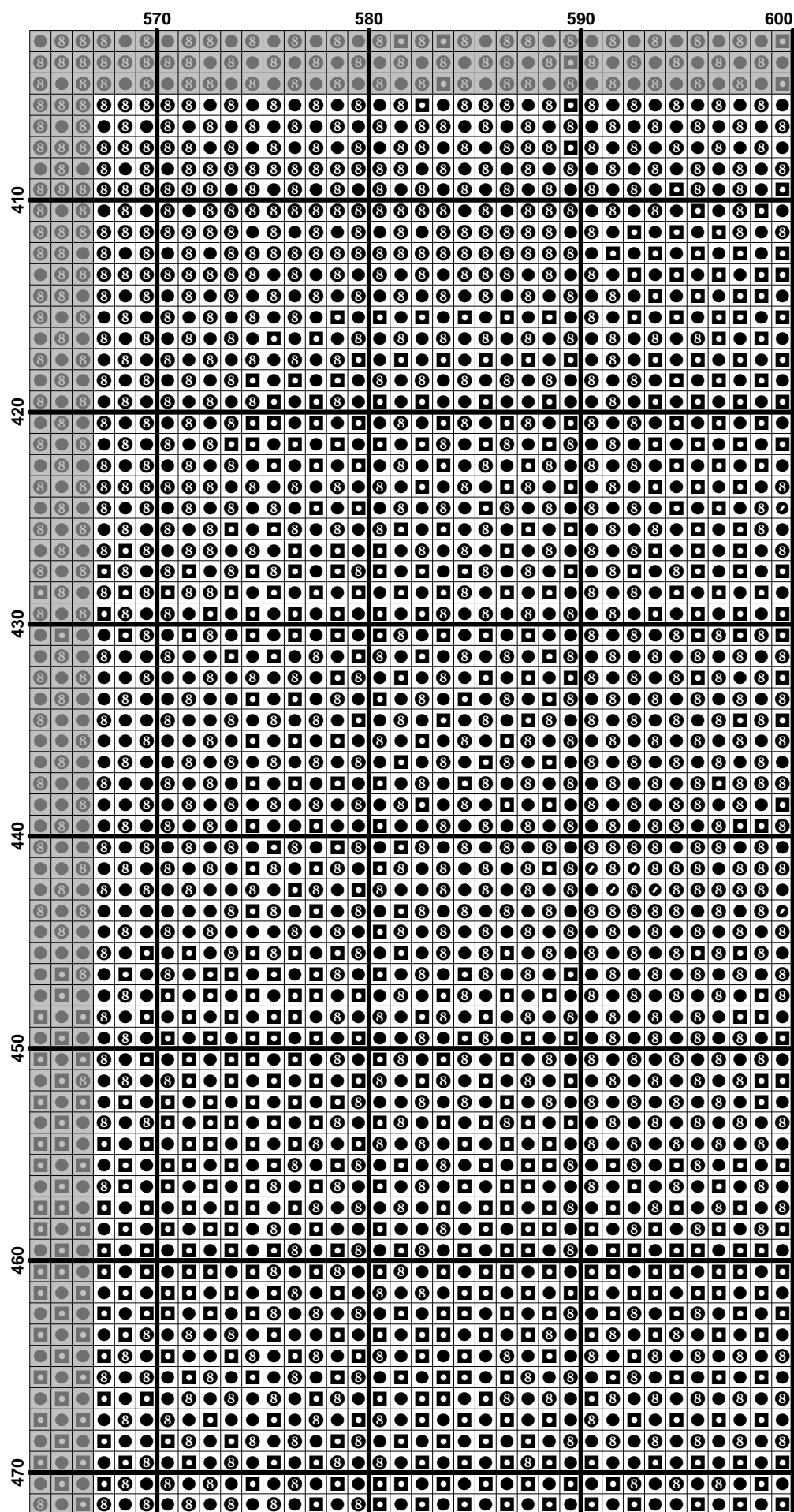


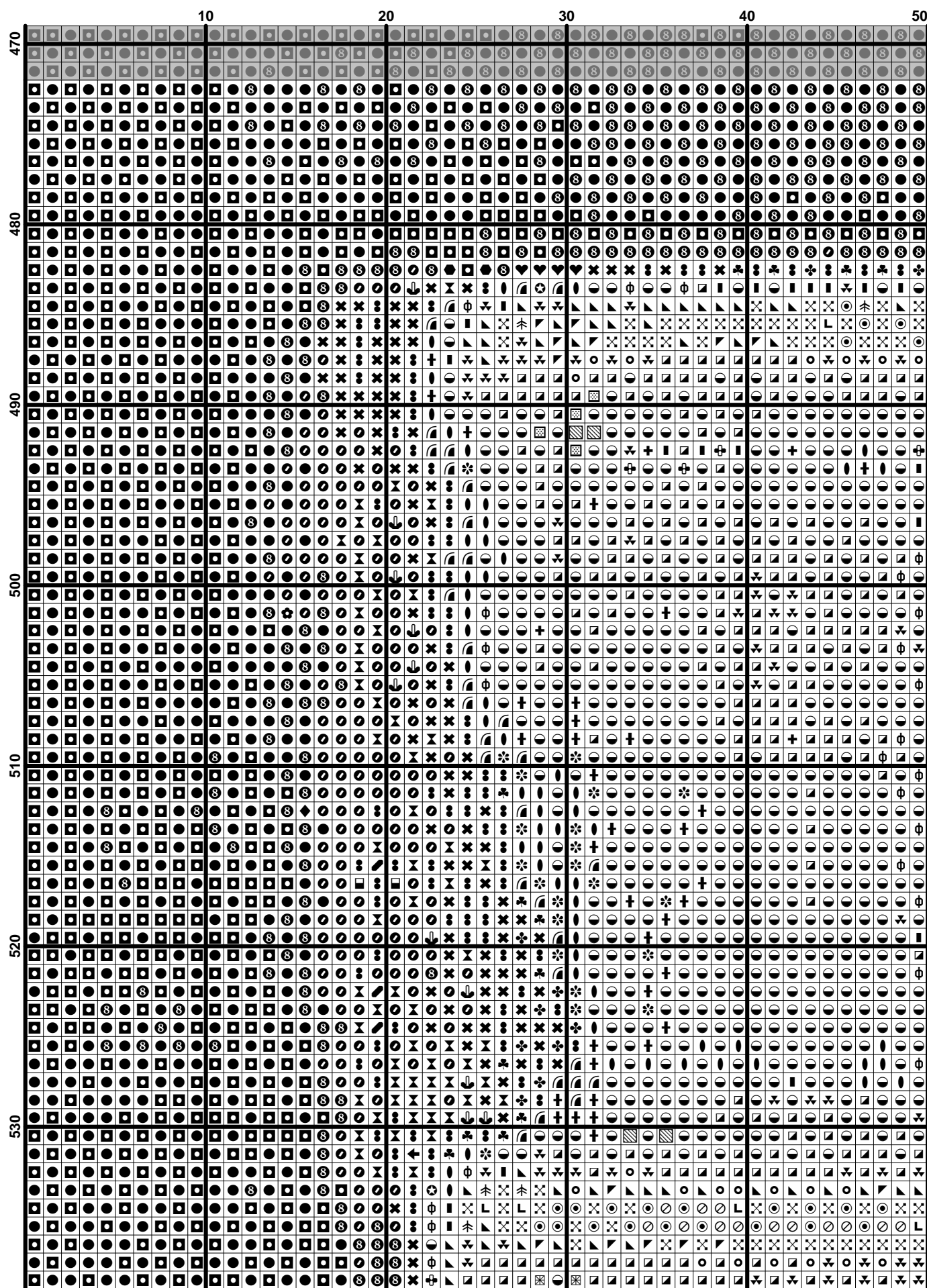
(101)

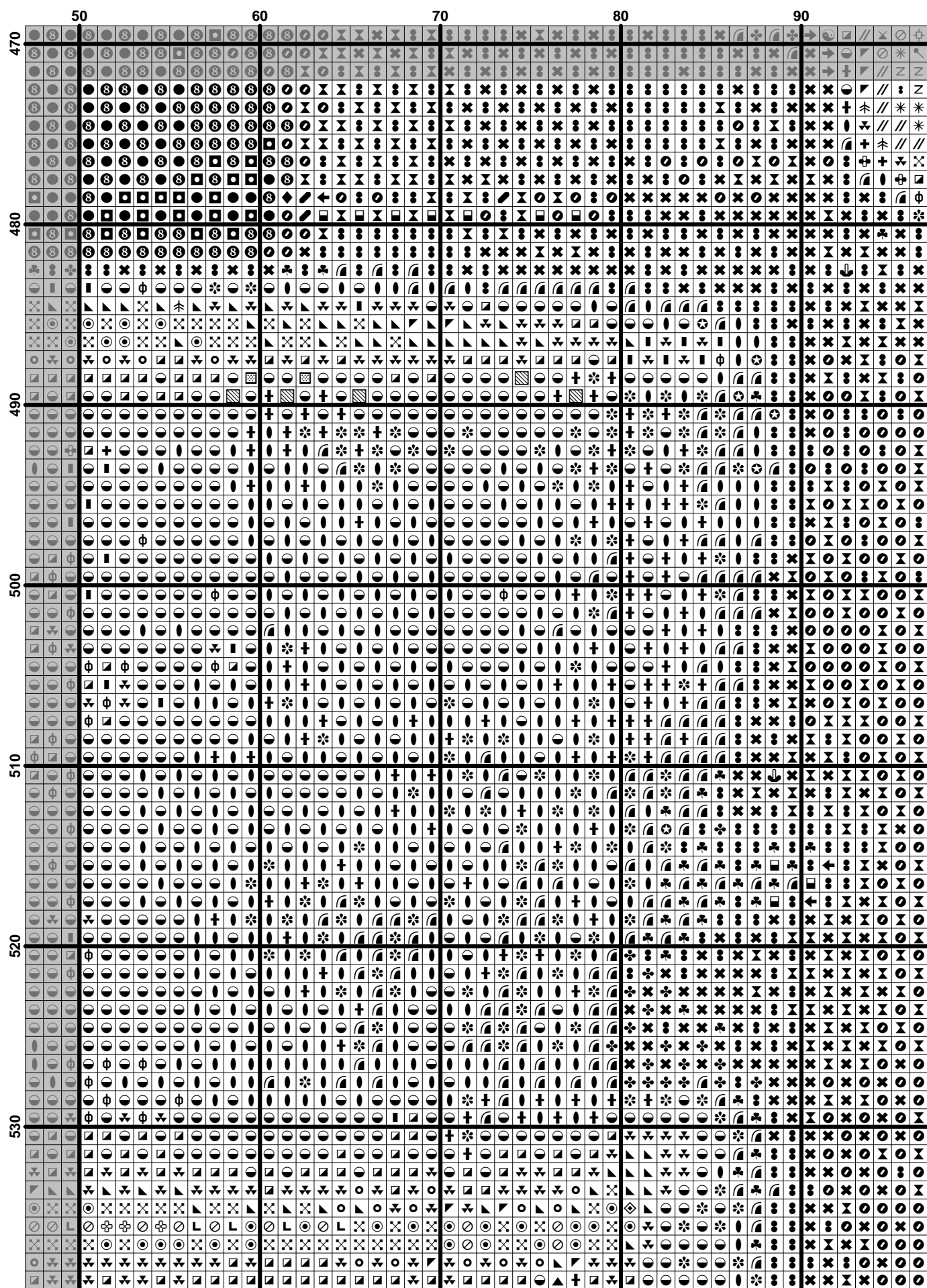
(102)

(103)

(104)







(108)



(109)

|     | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|
| 470 | △   | △   | △   | △   | △   |
| 480 | △   | △   | △   | △   | △   |
| 490 | △   | △   | △   | △   | △   |
| 500 | △   | △   | △   | △   | △   |
| 510 | △   | △   | △   | △   | △   |
| 520 | △   | △   | △   | △   | △   |
| 530 | △   | △   | △   | △   | △   |

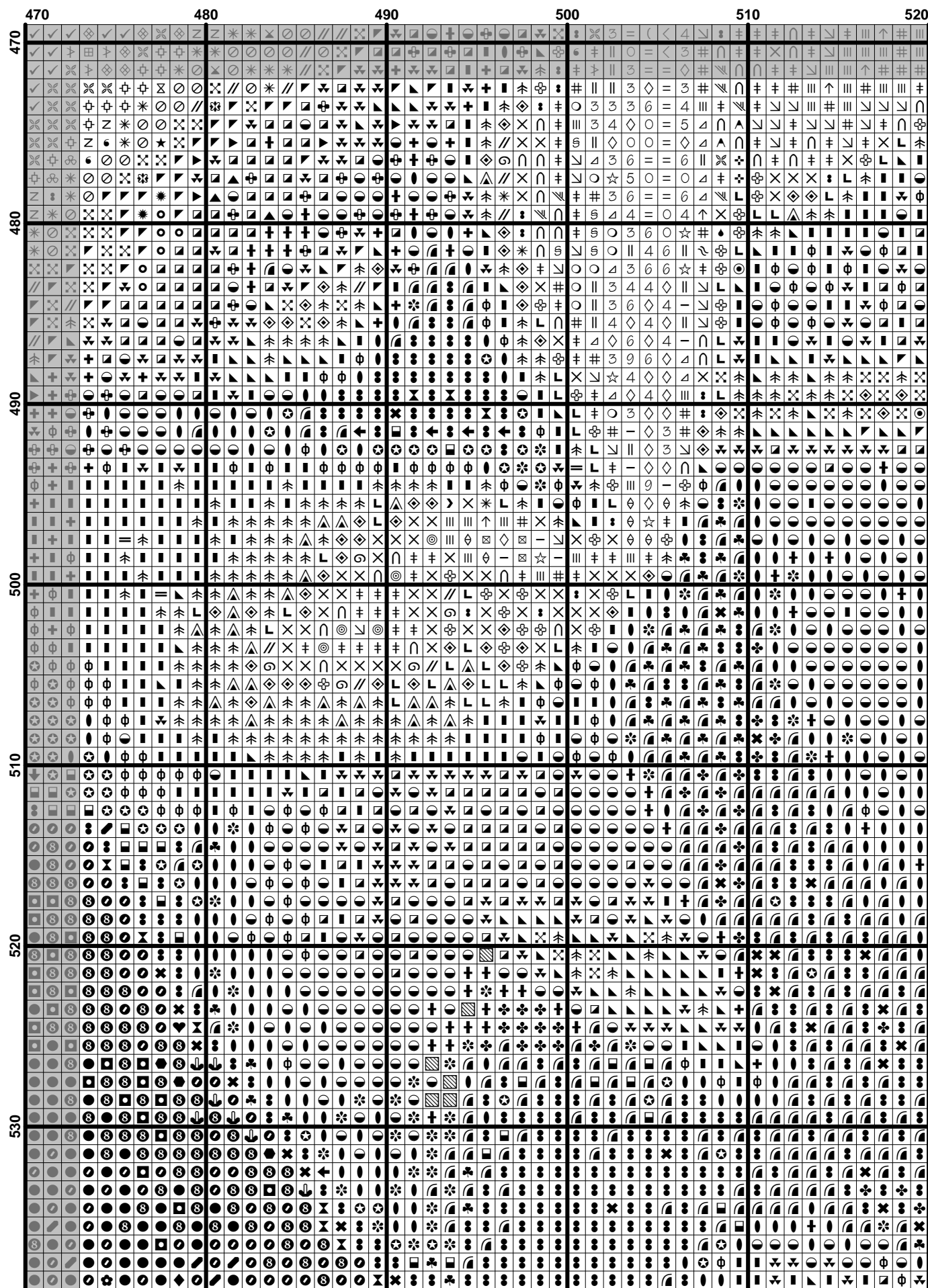
(111)

(112)

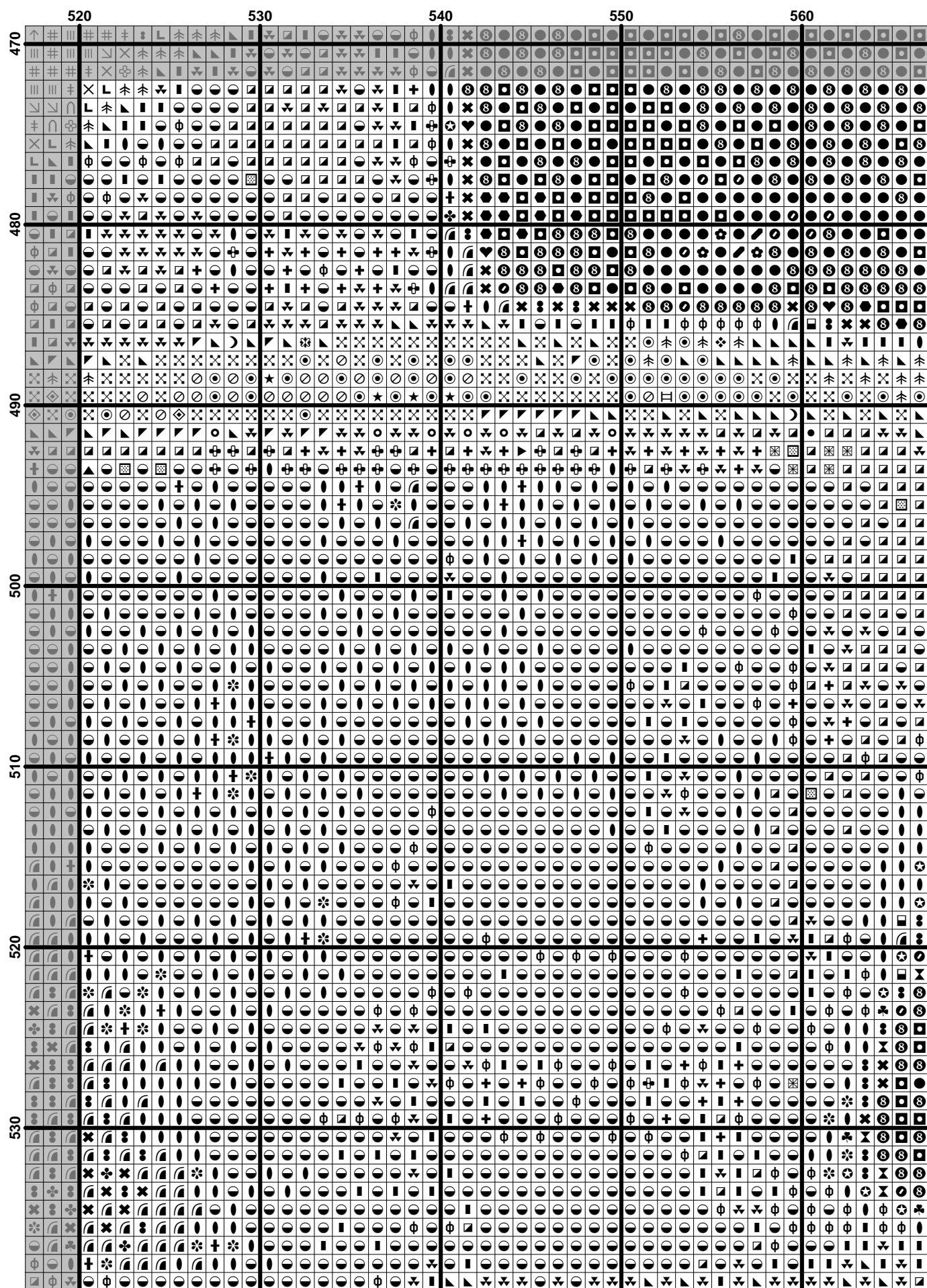
[illegible]

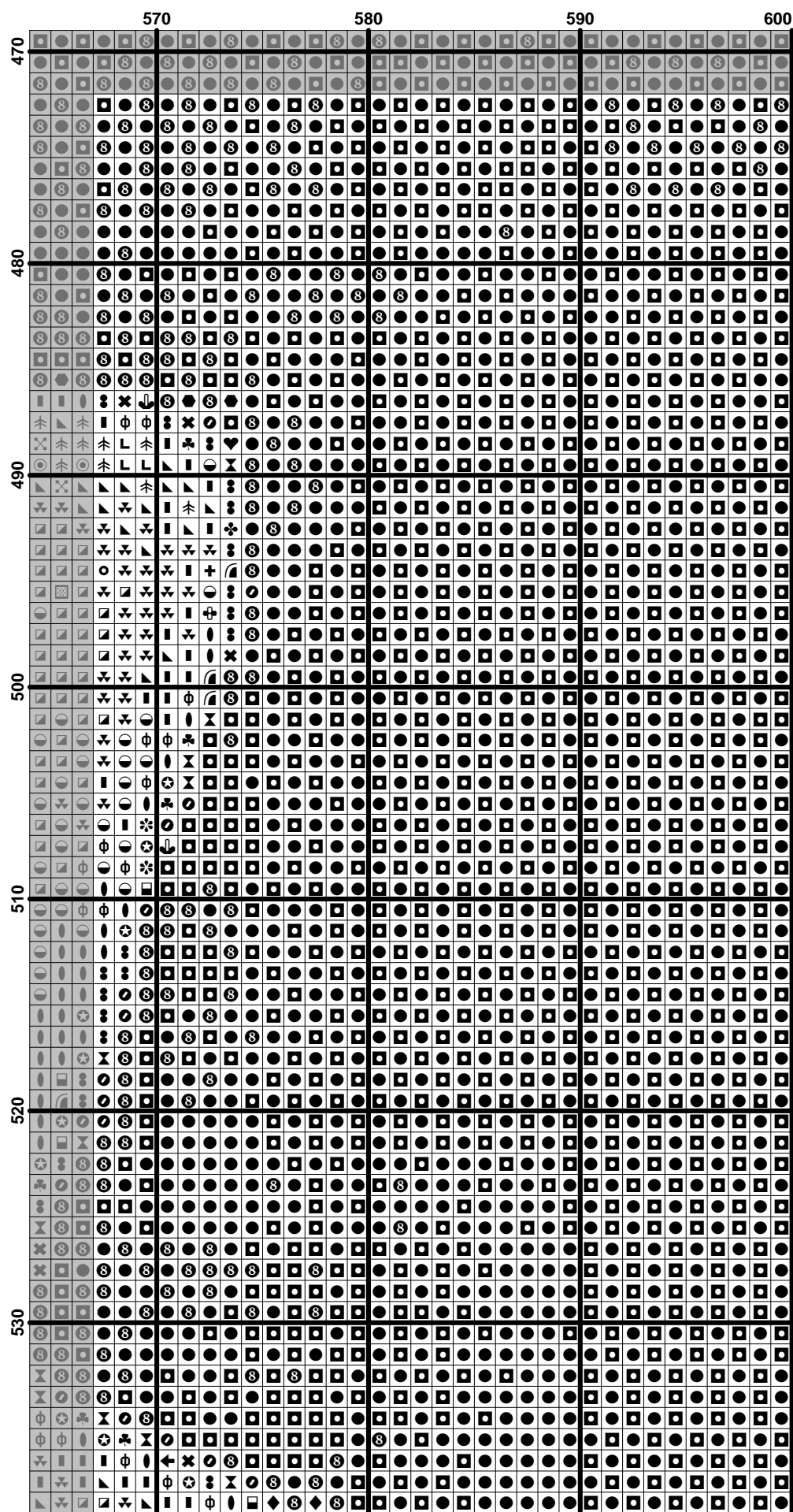
(114)

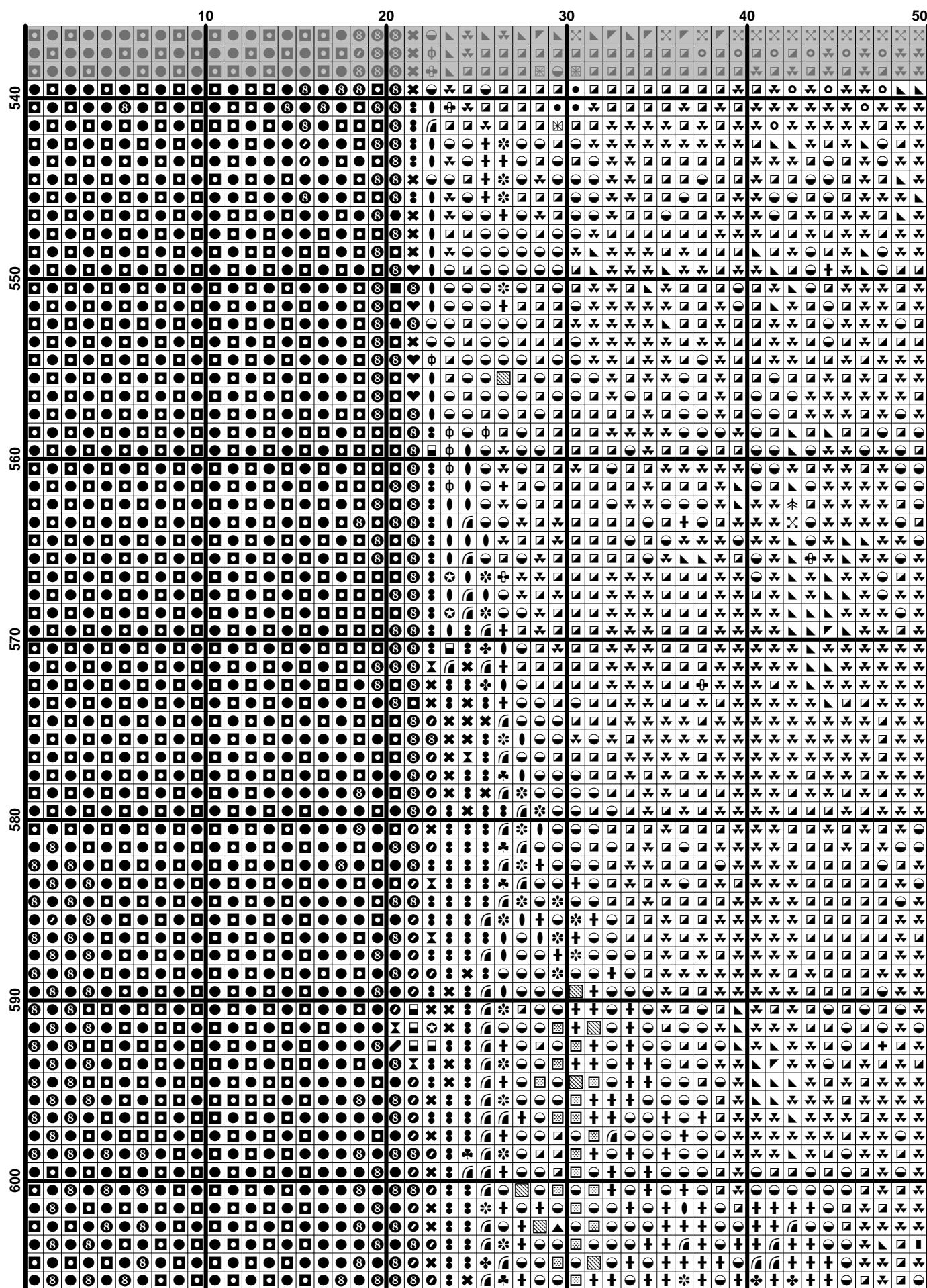
(115)

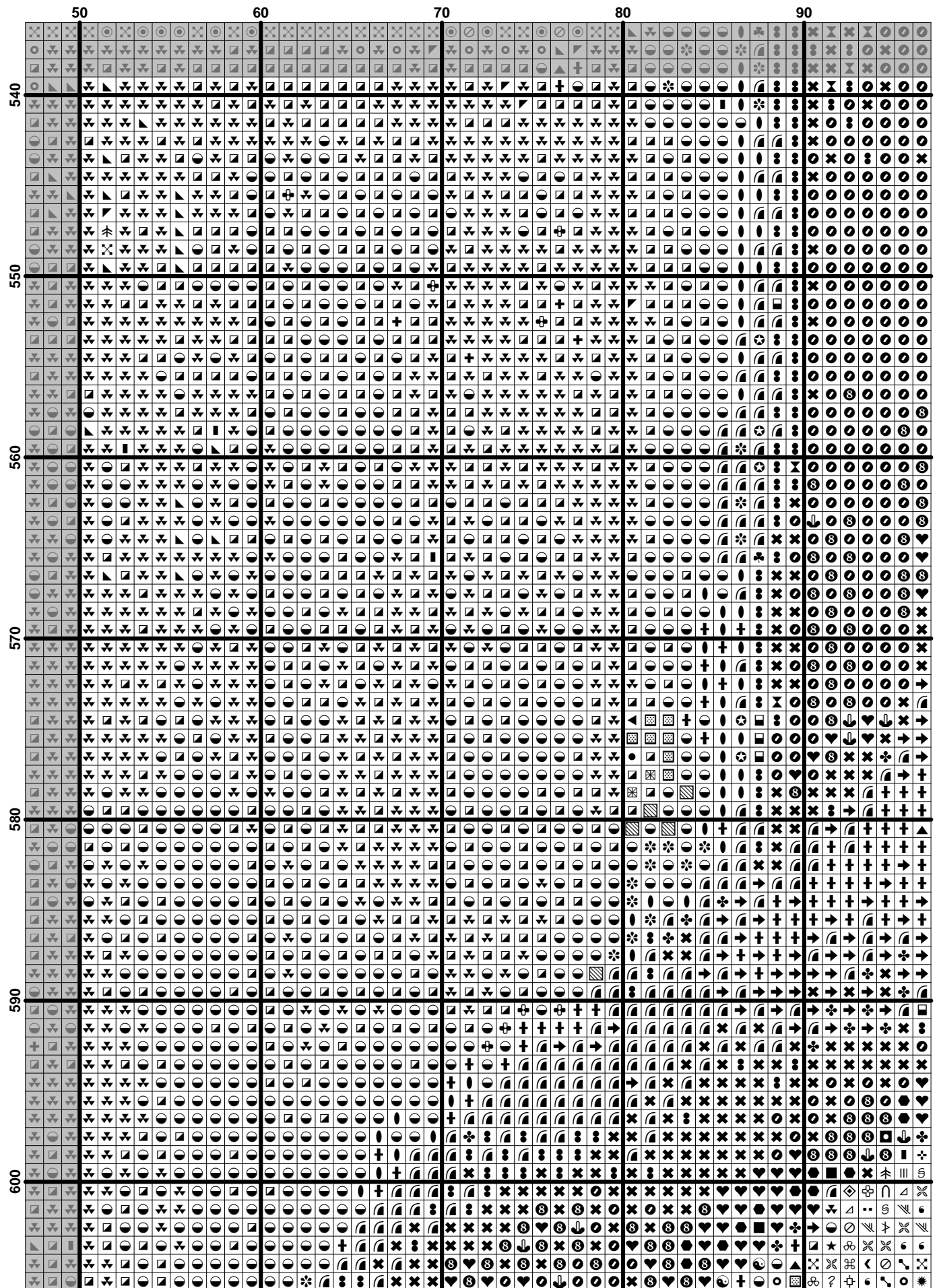




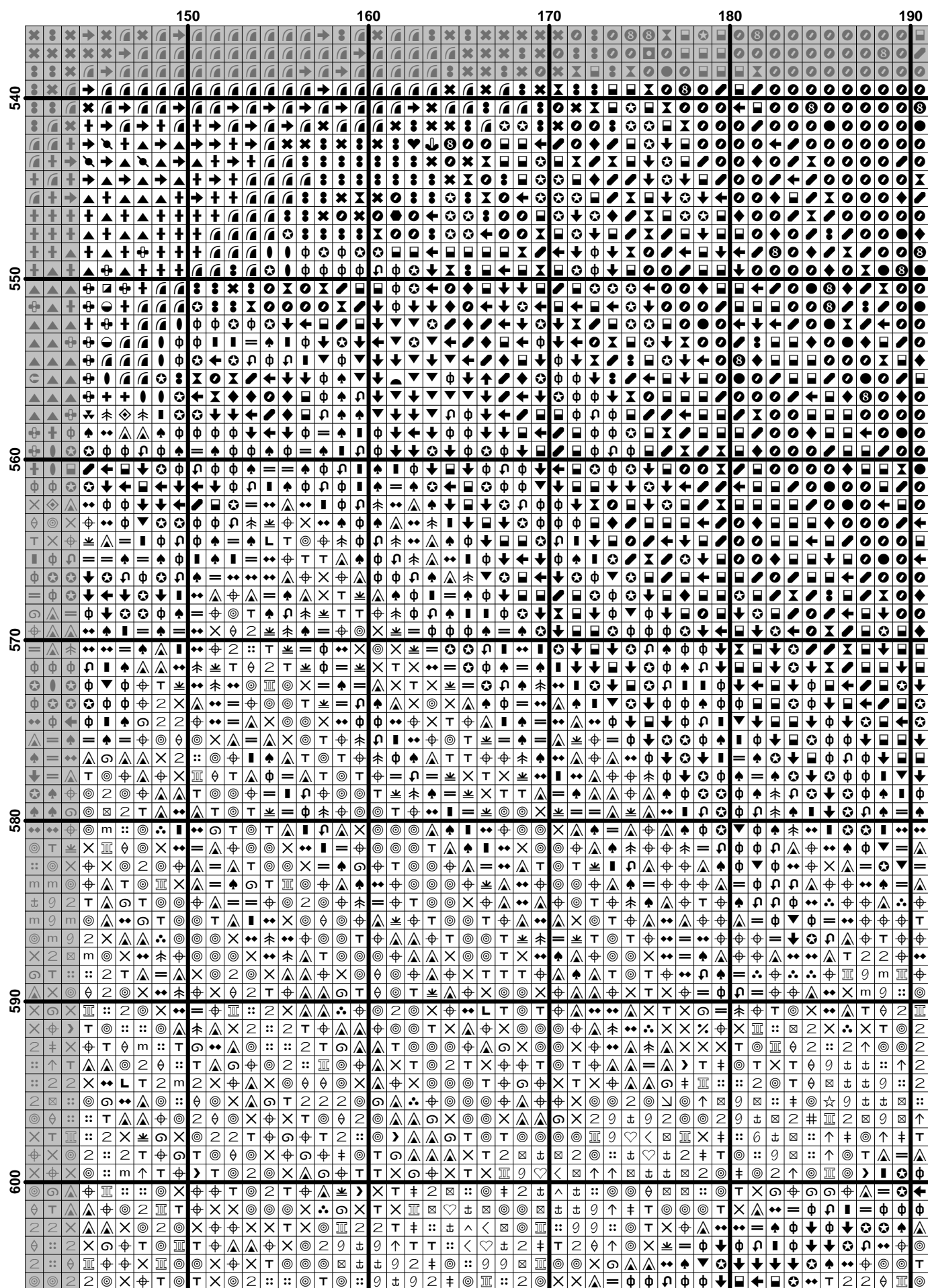




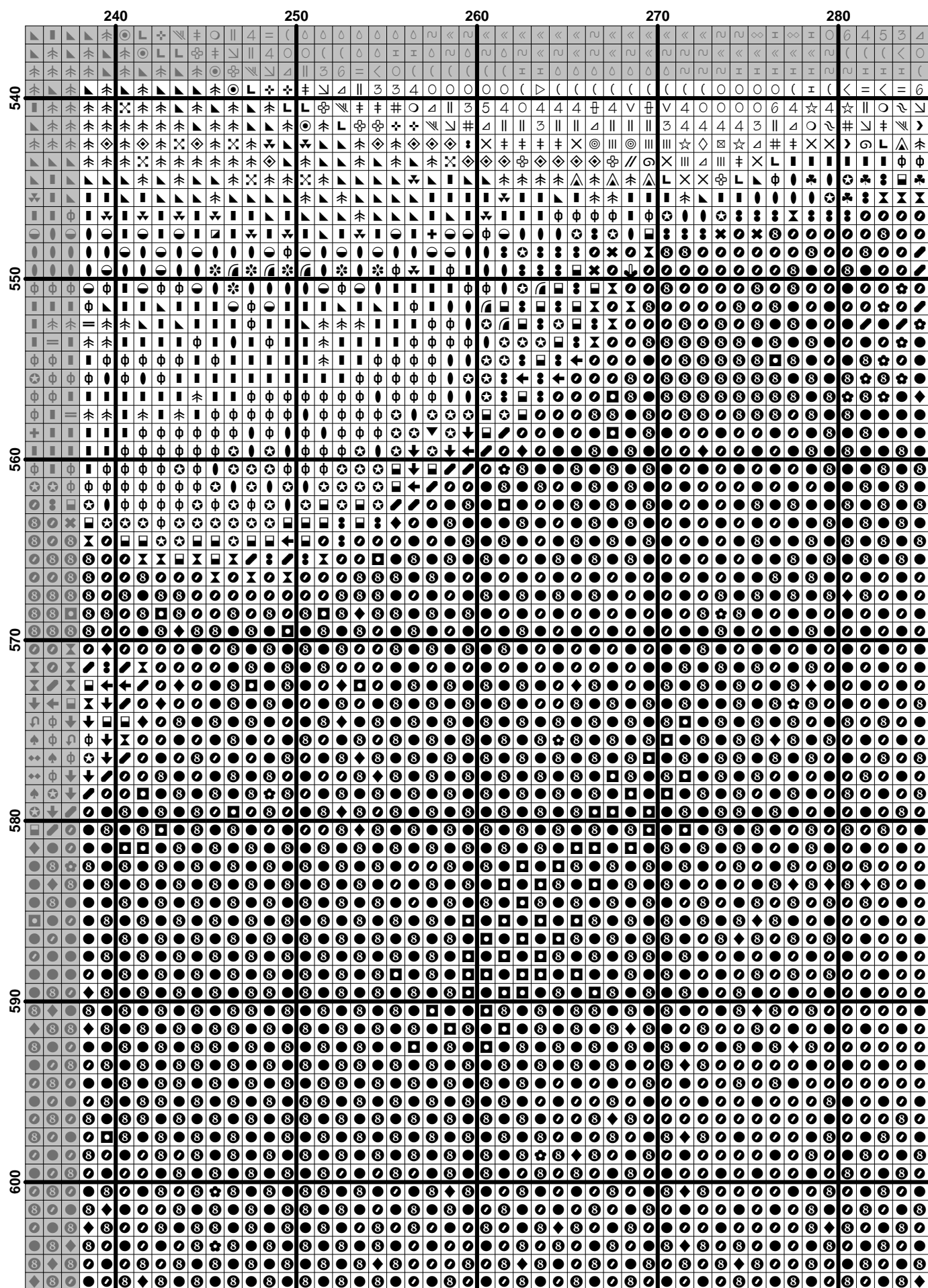




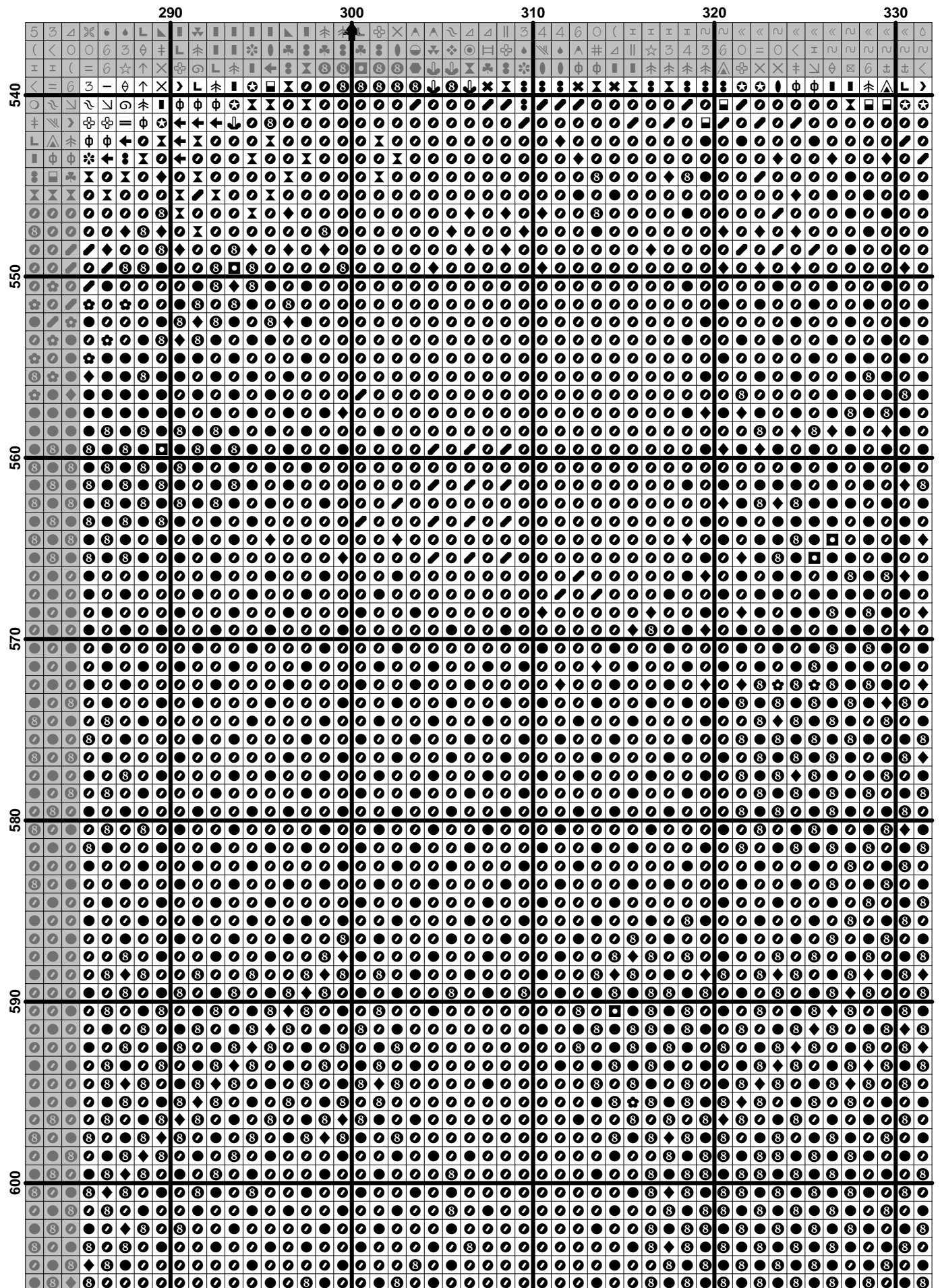
(121)



|     | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|
| 540 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 550 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 560 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 570 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 580 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 590 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 600 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |



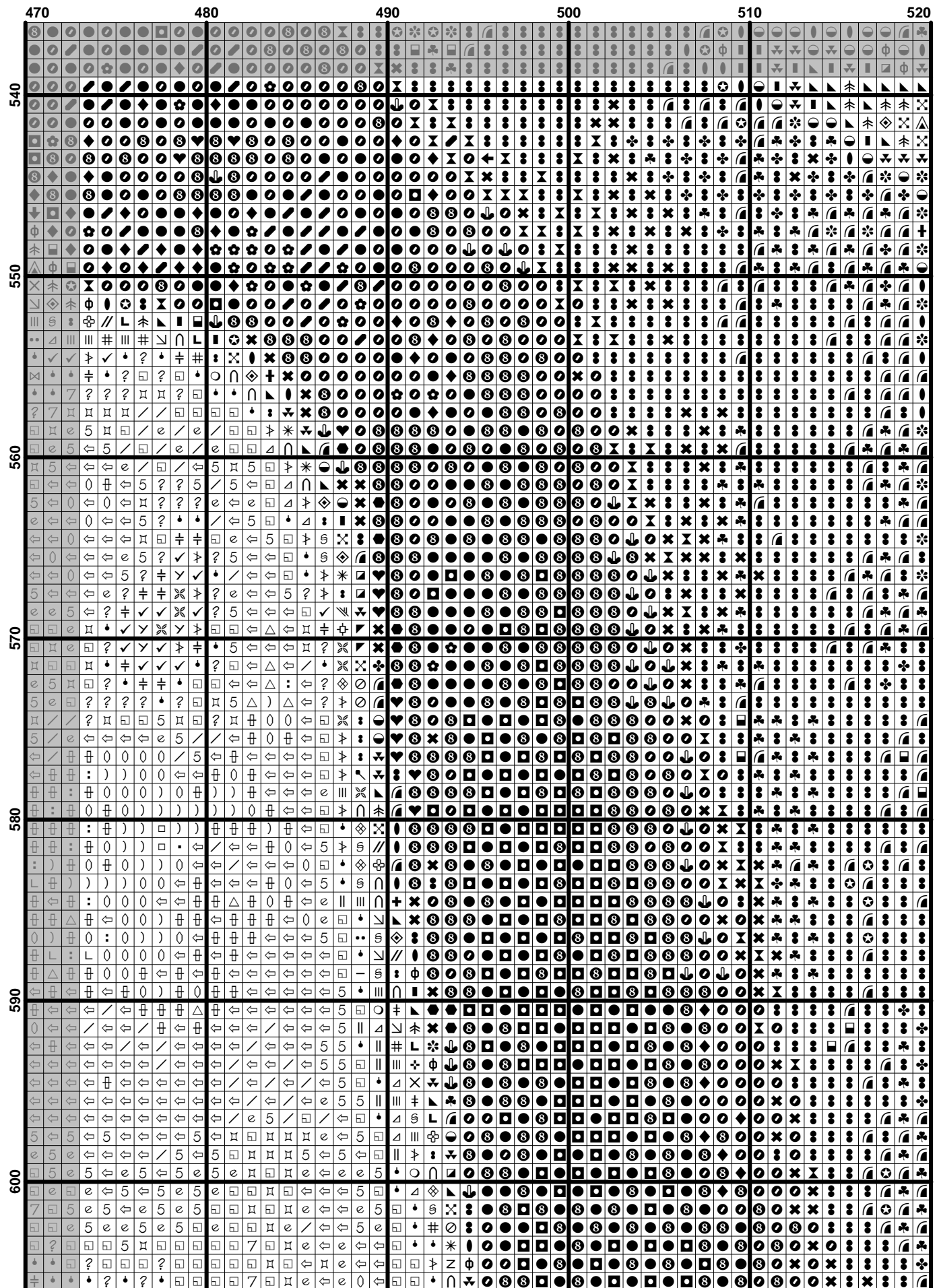


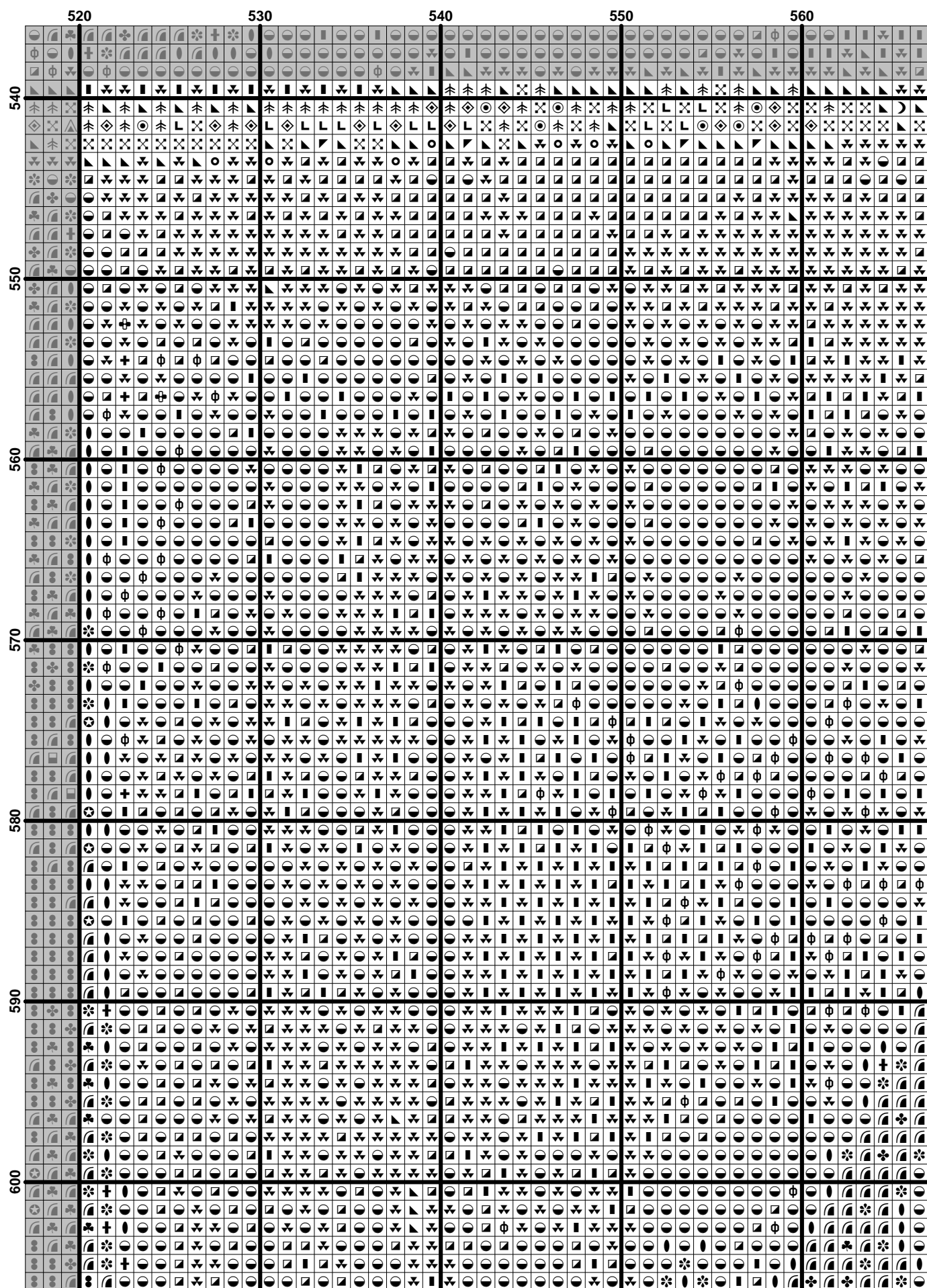


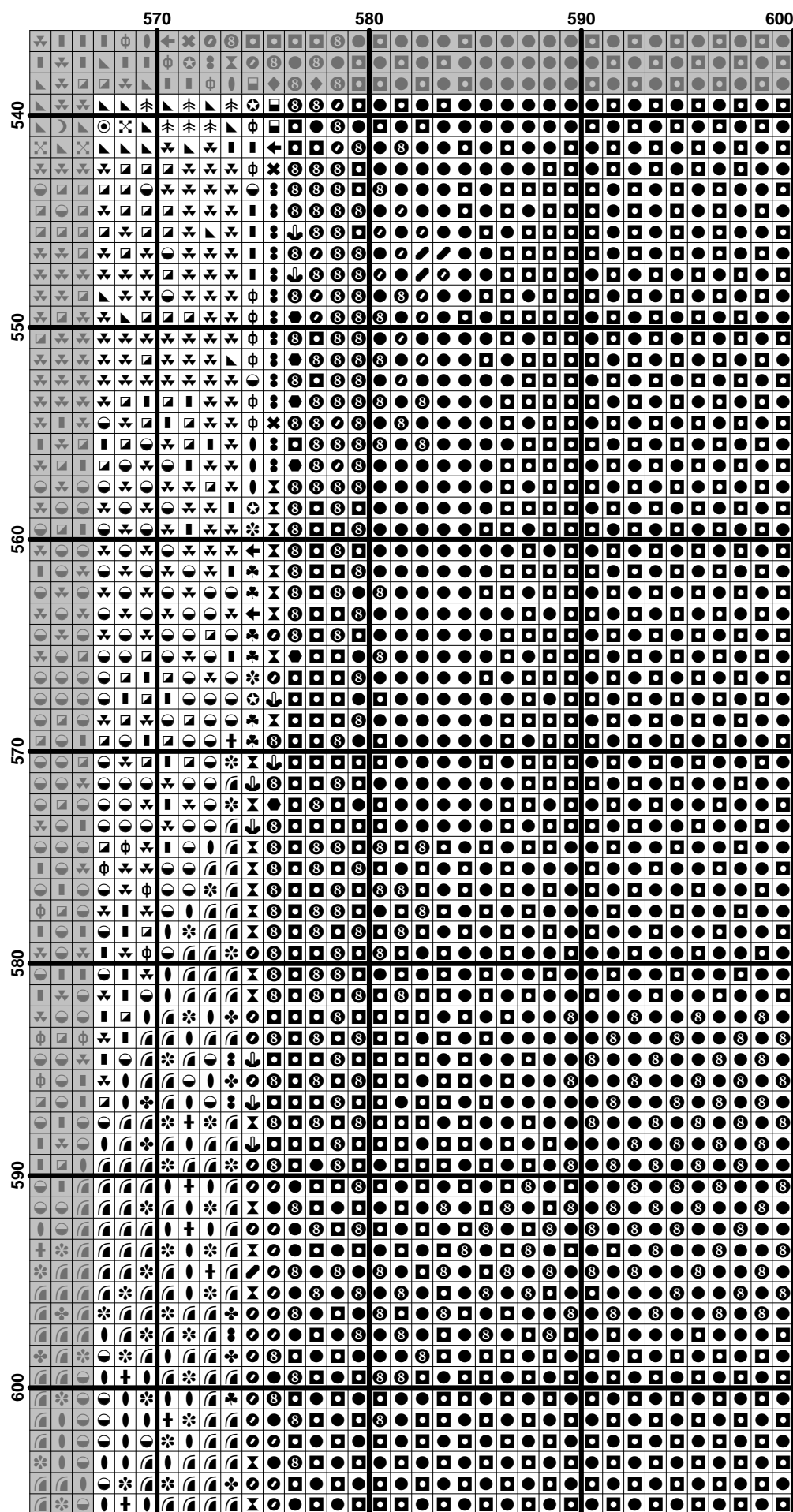
|     | 330 | 340 | 350 | 360 | 370 |
|-----|-----|-----|-----|-----|-----|
| 540 | △   | △   | △   | △   | △   |
| 550 | △   | △   | △   | △   | △   |
| 560 | △   | △   | △   | △   | △   |
| 570 | △   | △   | △   | △   | △   |
| 580 | △   | △   | △   | △   | △   |
| 590 | △   | △   | △   | △   | △   |
| 600 | △   | △   | △   | △   | △   |

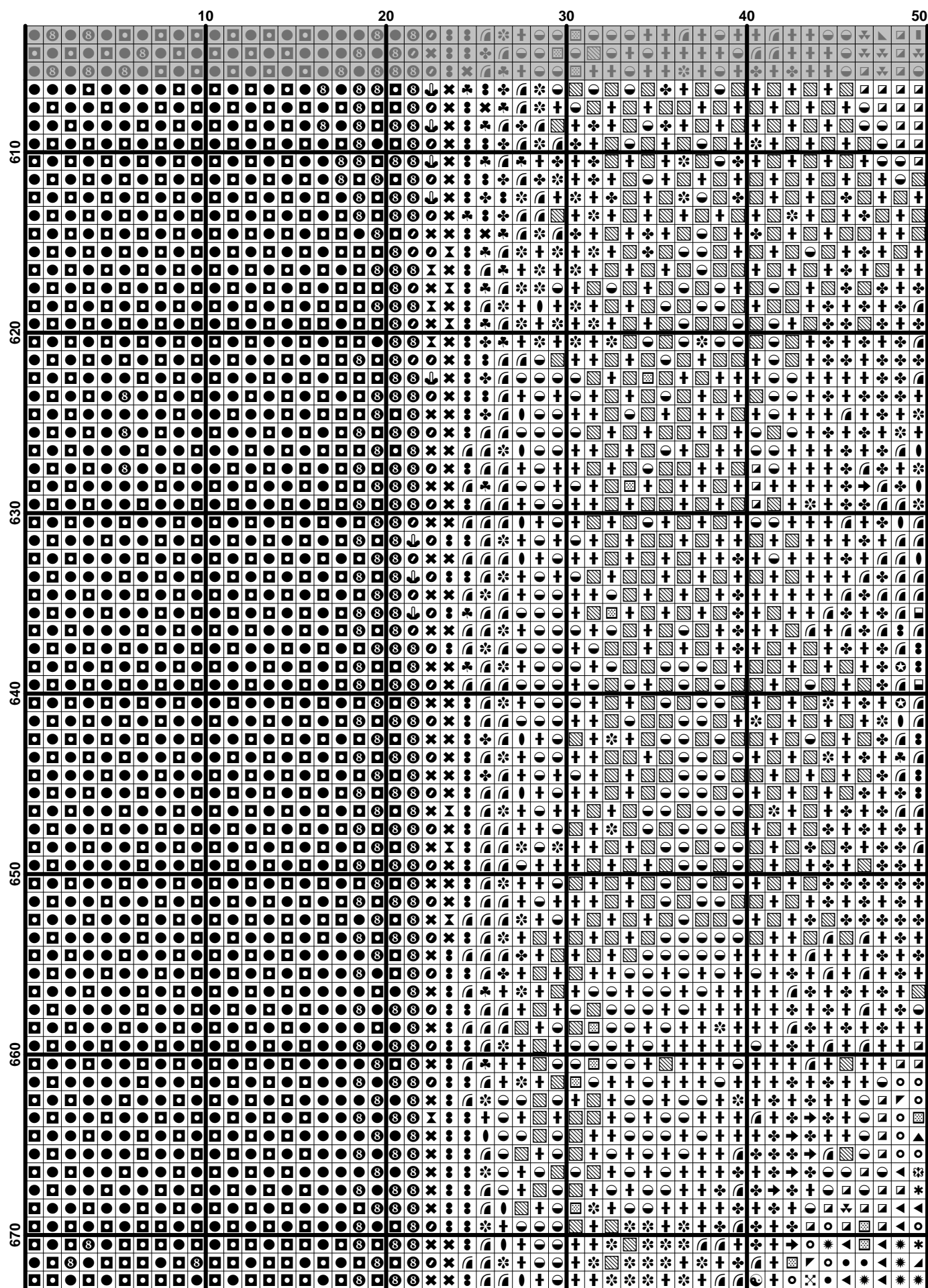
|     | 380                                   |  |  |  |  |  |  |  |  |  | 390 |  |  |  |  |  |  |  |  |  | 400 |  |  |  |  |  |  |  |  |  | 410 |  |  |  |  |  |  |  |  |  | 420 |  |  |  |  |  |  |  |  |  |
|-----|---------------------------------------|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|
| 540 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 550 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 560 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 570 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 580 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 590 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 600 | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|     | [Complex grid of symbols and numbers] |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |

(128)

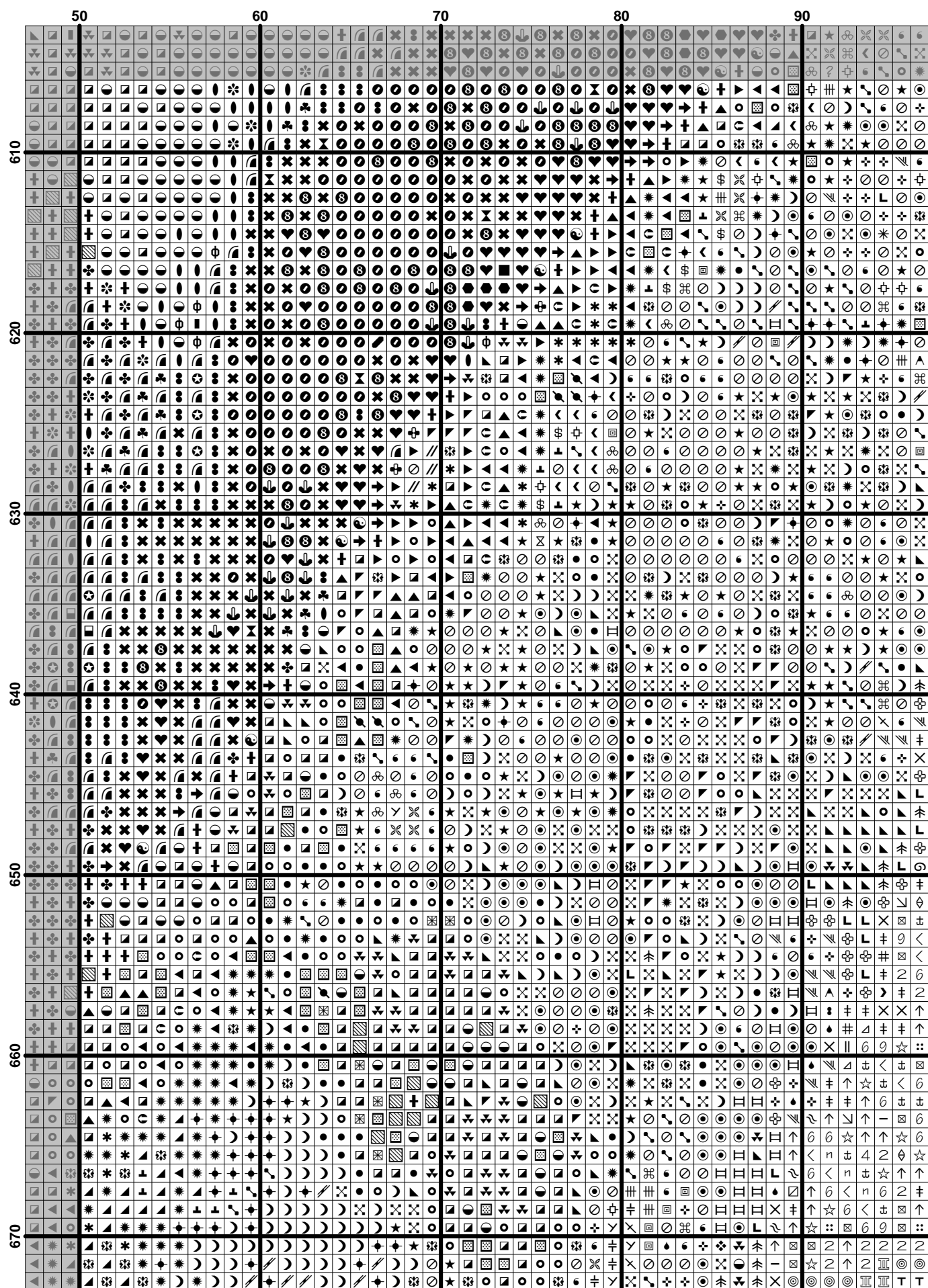






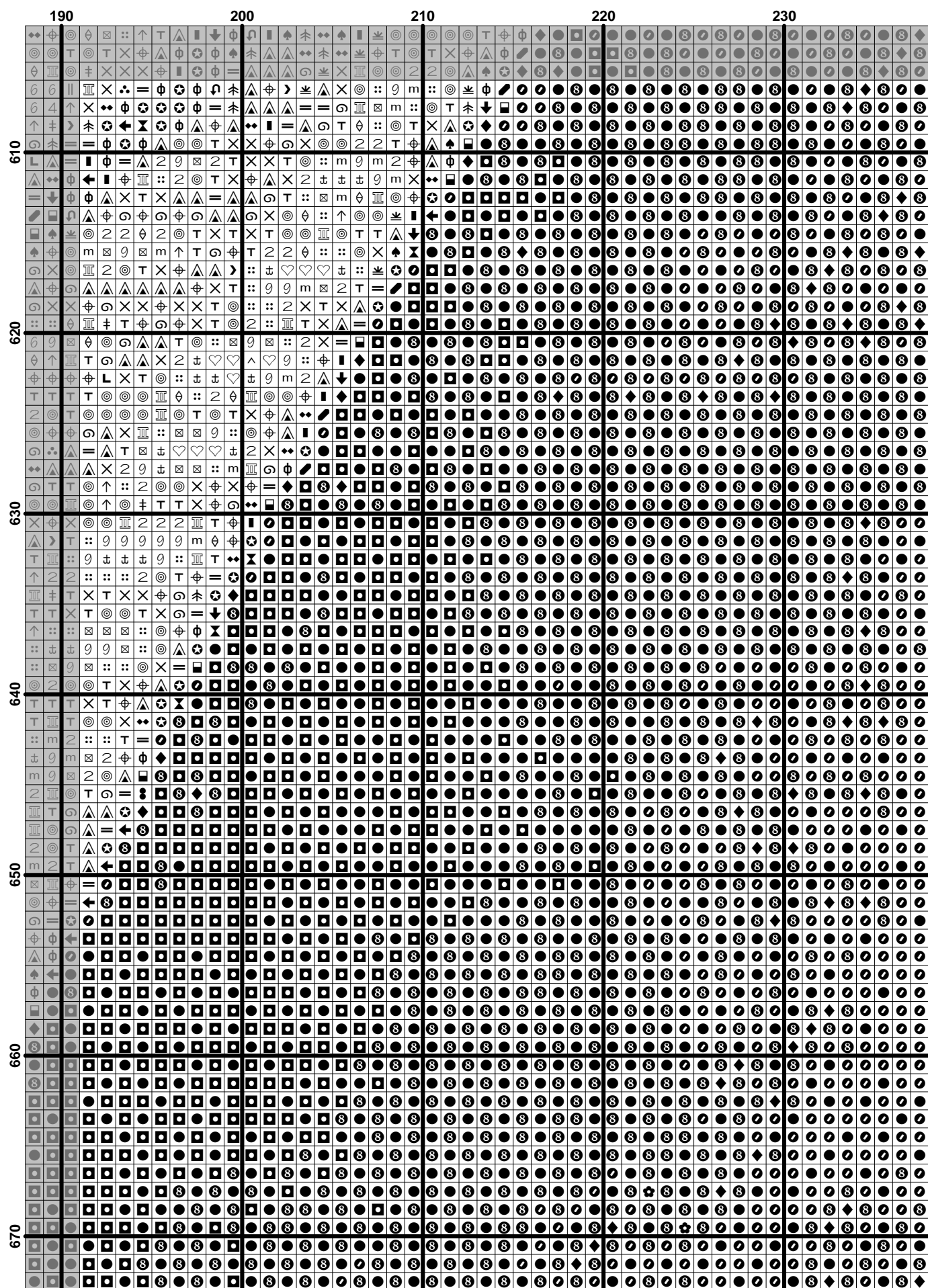


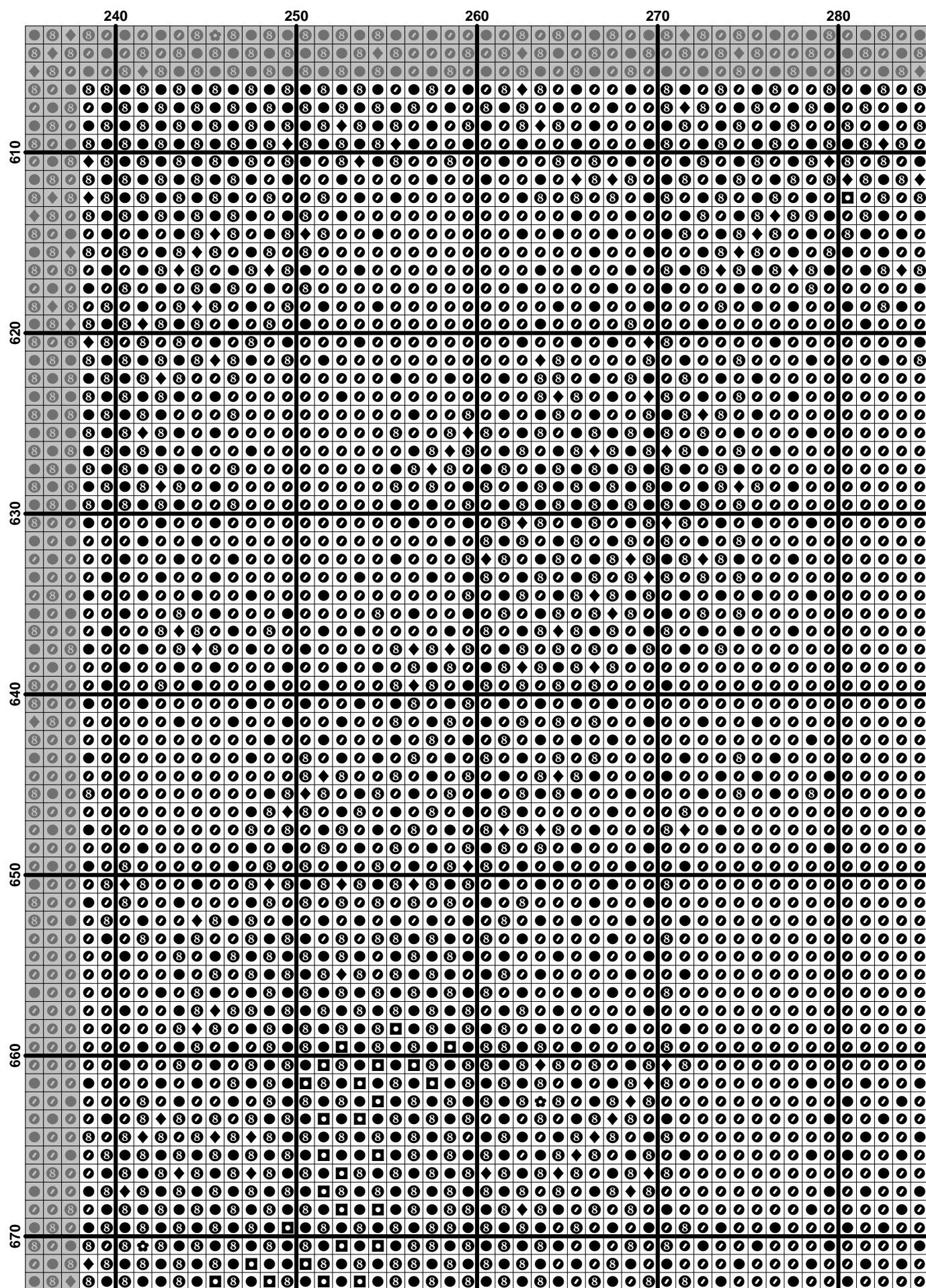


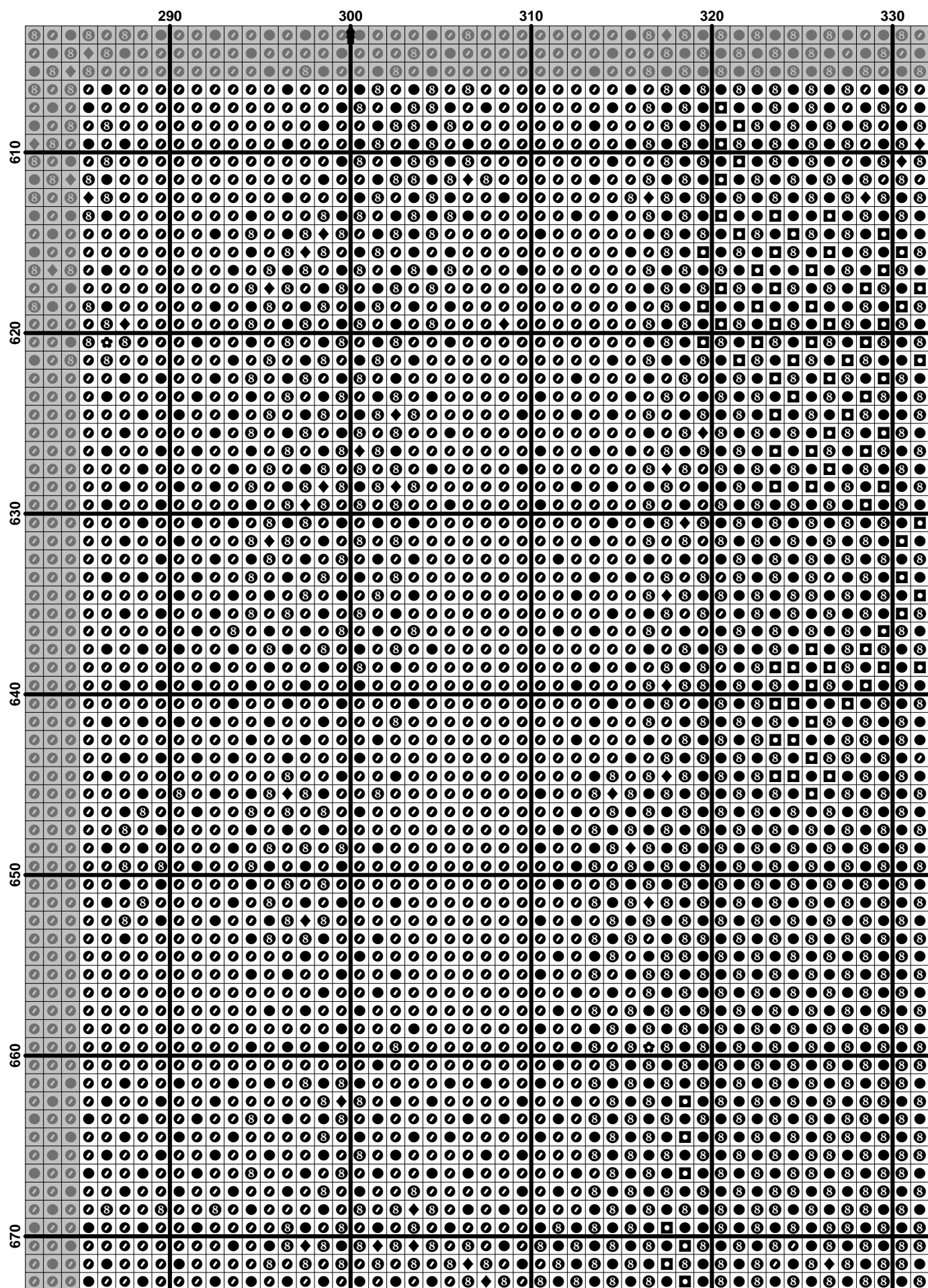


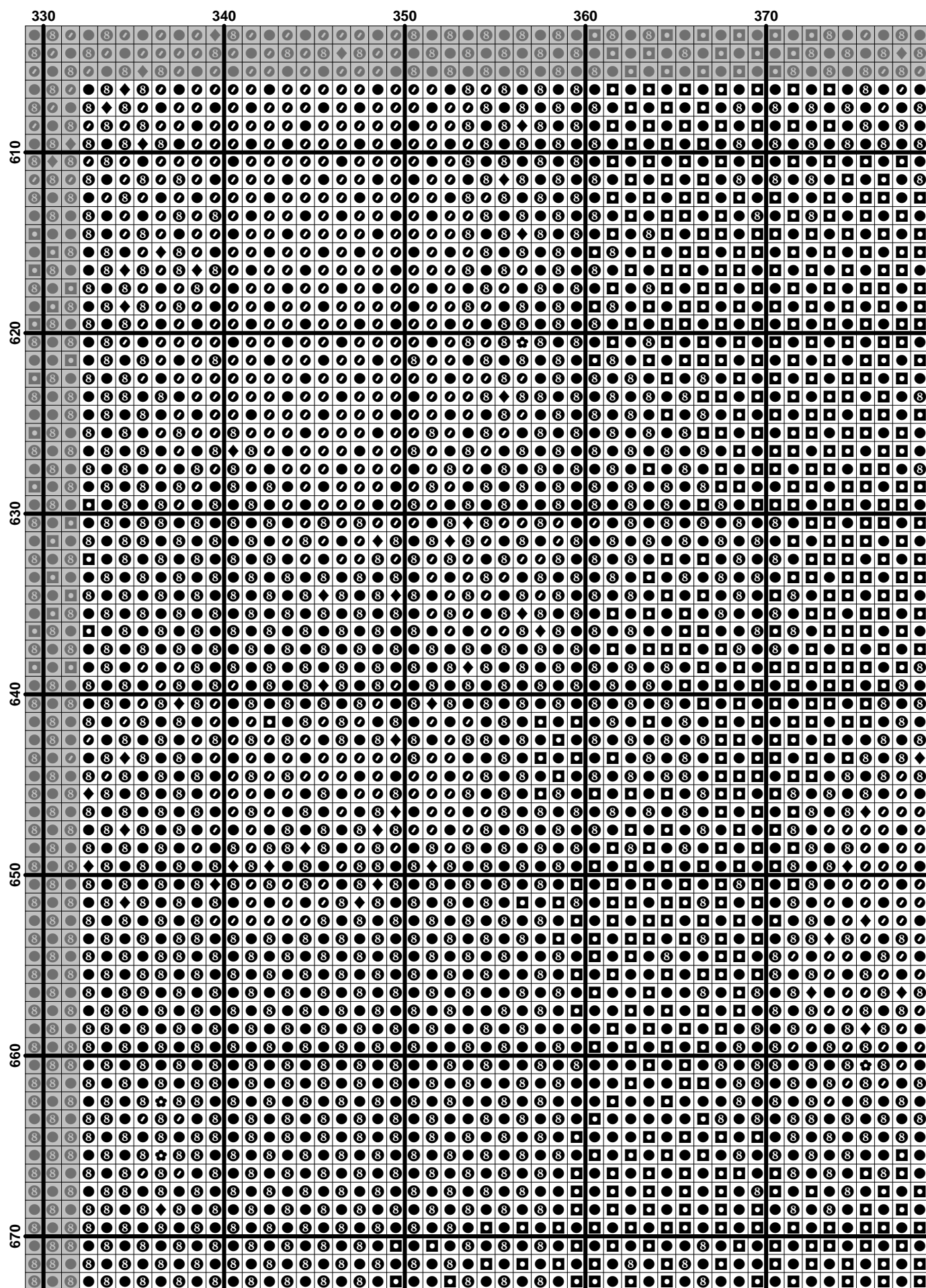
|     | 100 | 110 | 120 | 130 | 140 |
|-----|-----|-----|-----|-----|-----|
| 610 | ✕   | ✕   | ✕   | ✕   | ✕   |
| 620 | ✕   | ✕   | ✕   | ✕   | ✕   |
| 630 | ✕   | ✕   | ✕   | ✕   | ✕   |
| 640 | ✕   | ✕   | ✕   | ✕   | ✕   |
| 650 | ✕   | ✕   | ✕   | ✕   | ✕   |
| 660 | ✕   | ✕   | ✕   | ✕   | ✕   |
| 670 | ✕   | ✕   | ✕   | ✕   | ✕   |

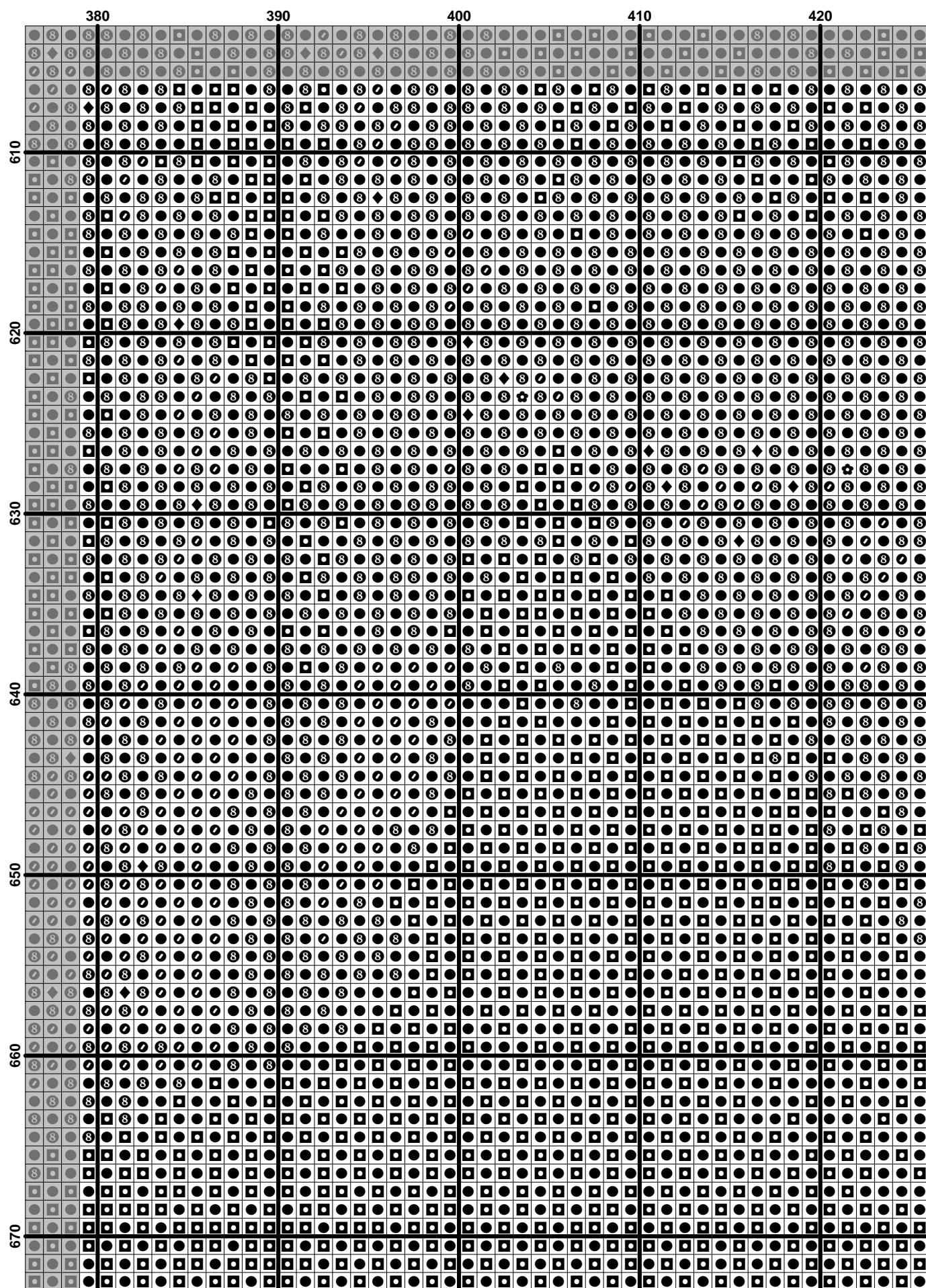
|     | 150 | 160 | 170 | 180 | 190 |
|-----|-----|-----|-----|-----|-----|
| 610 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 620 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 630 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 640 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 650 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 660 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |
| 670 | ⬆   | ⬆   | ⬆   | ⬆   | ⬆   |



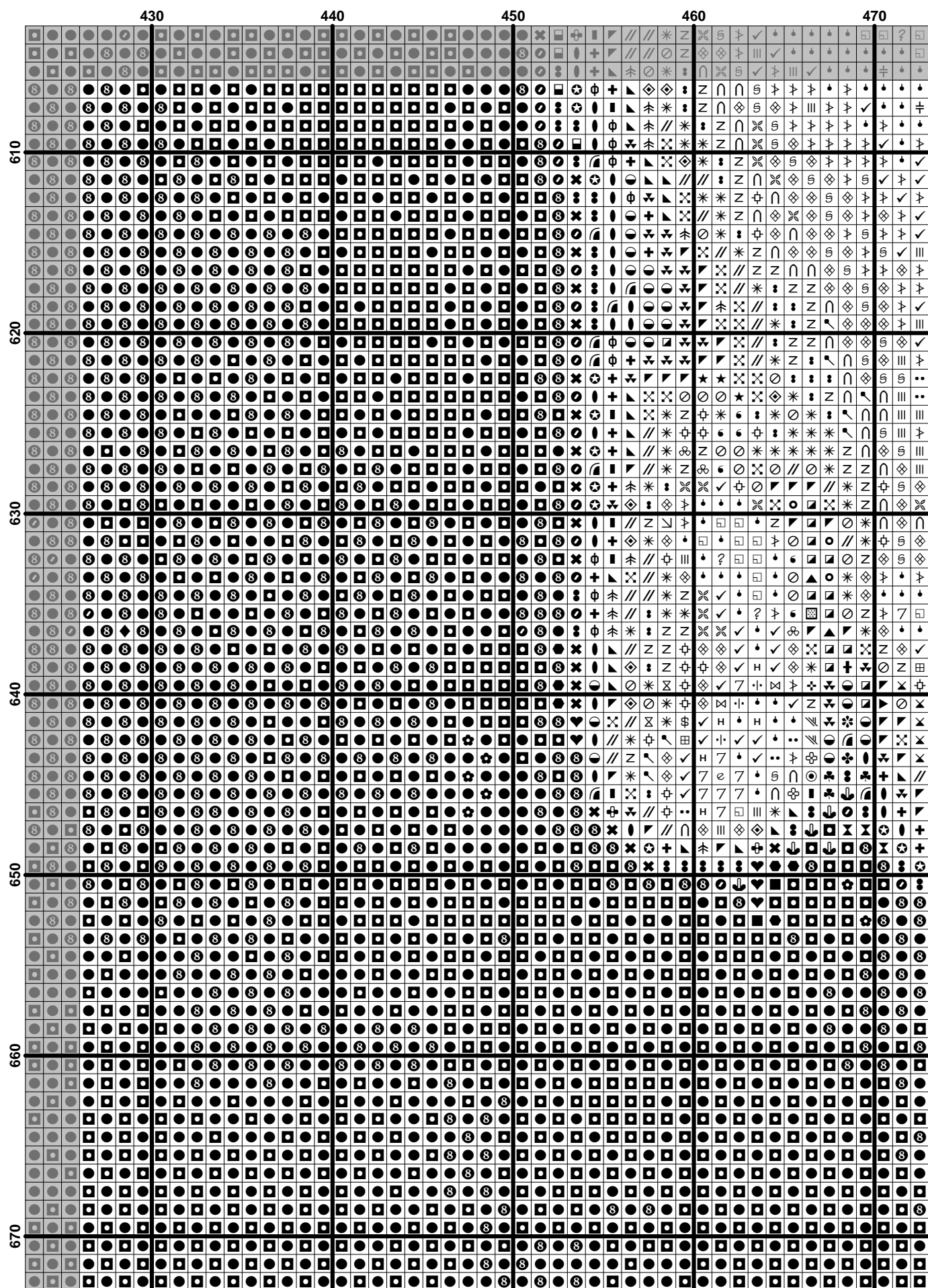


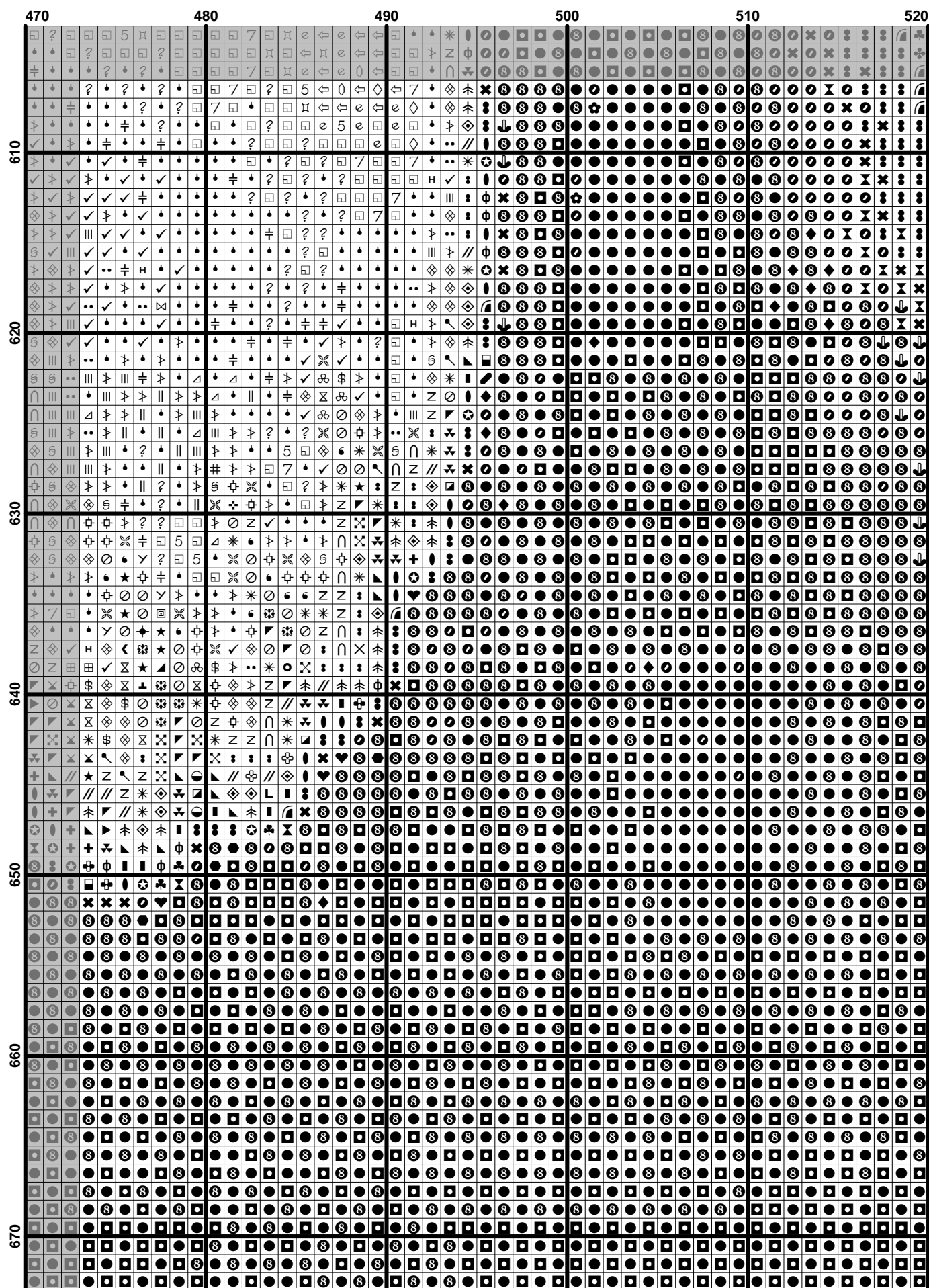


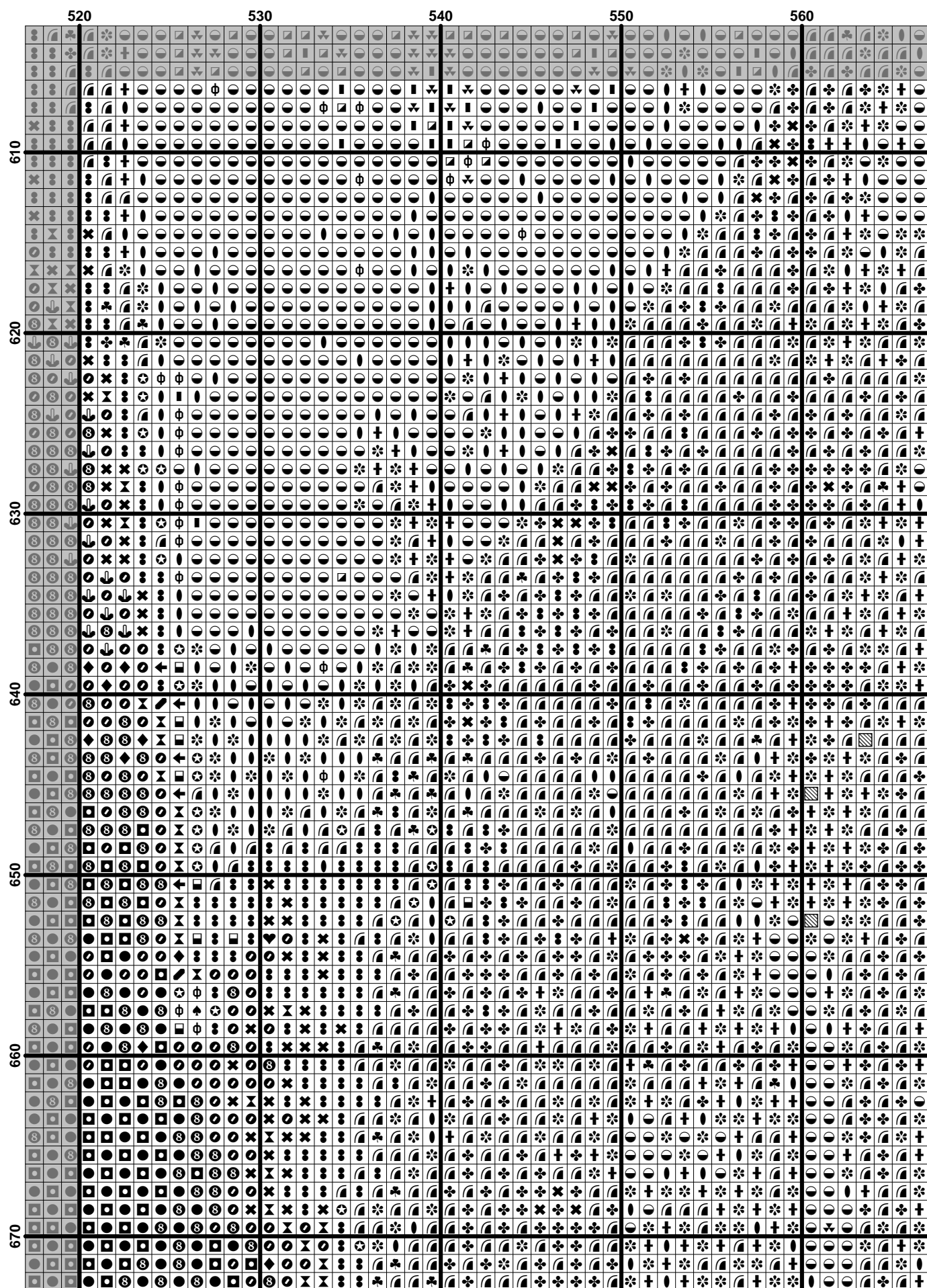


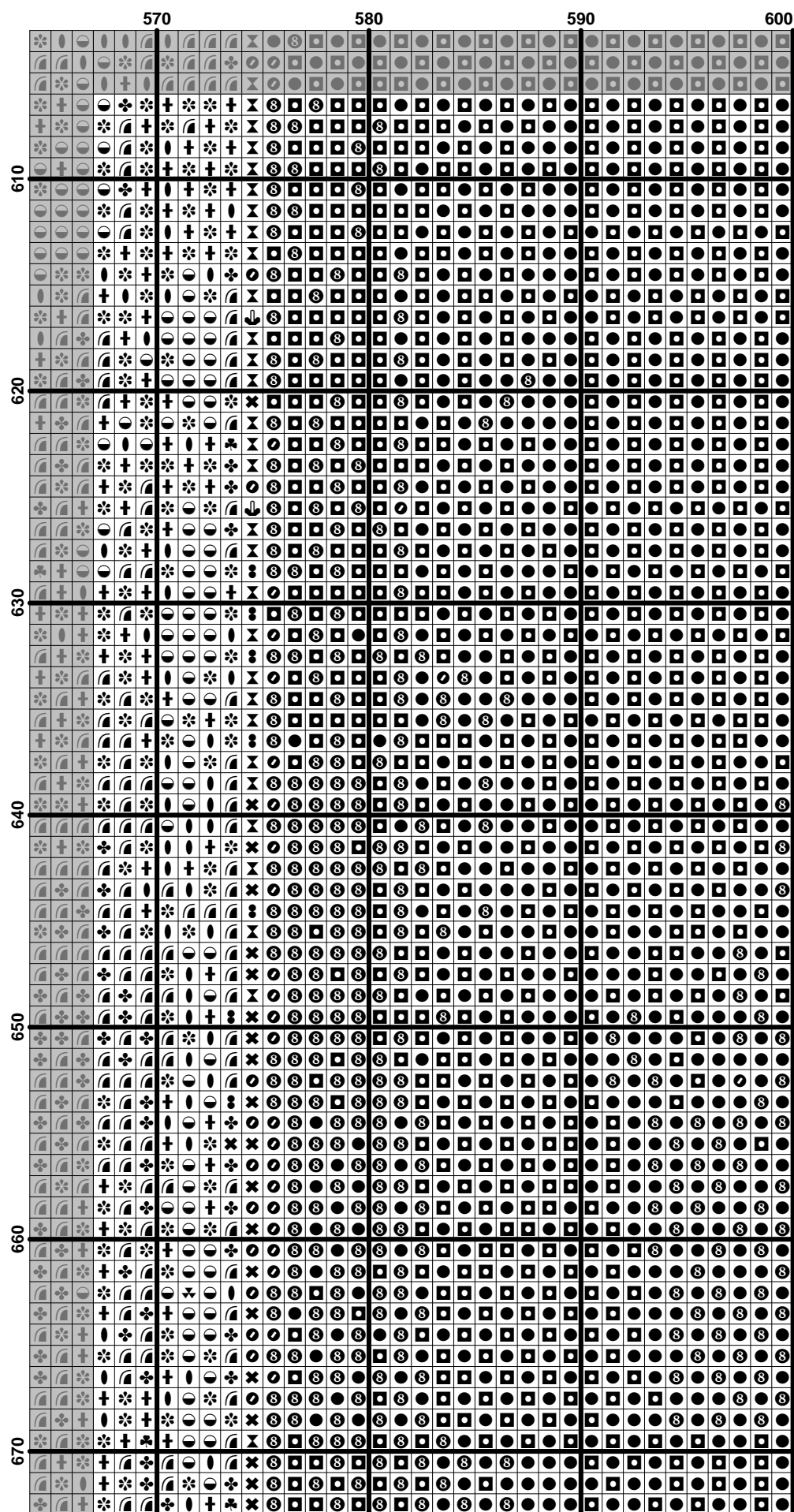












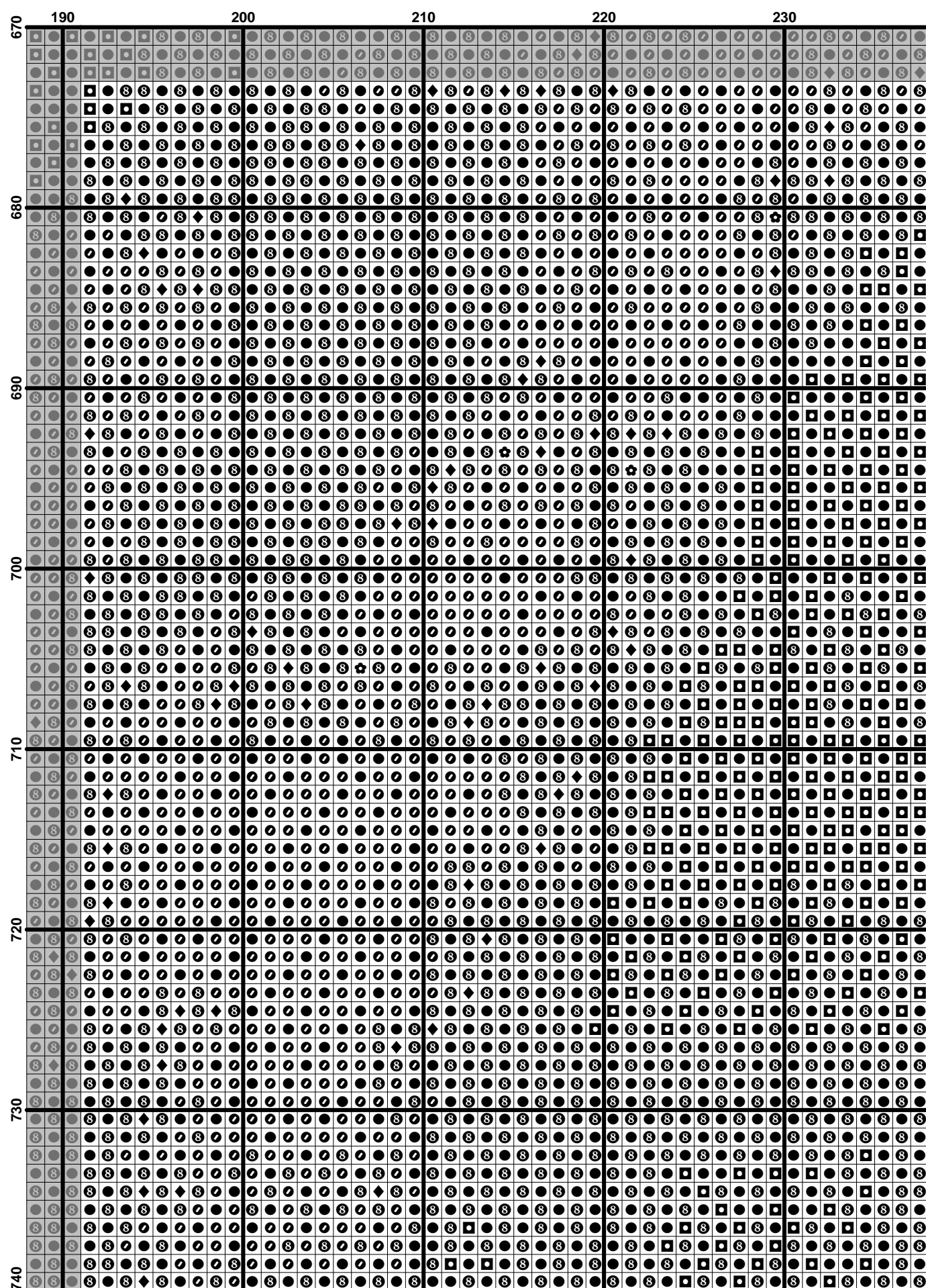


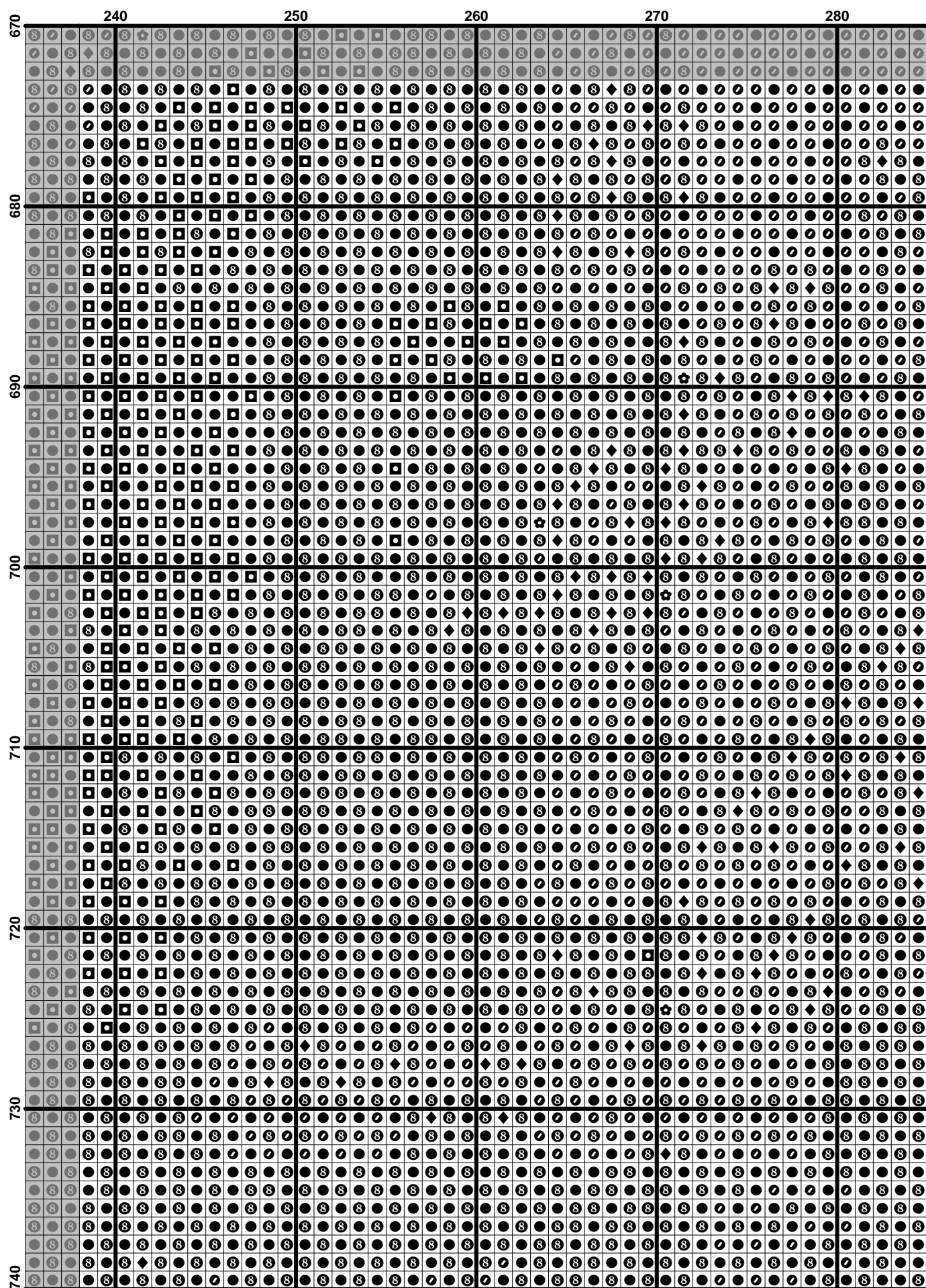
(146)

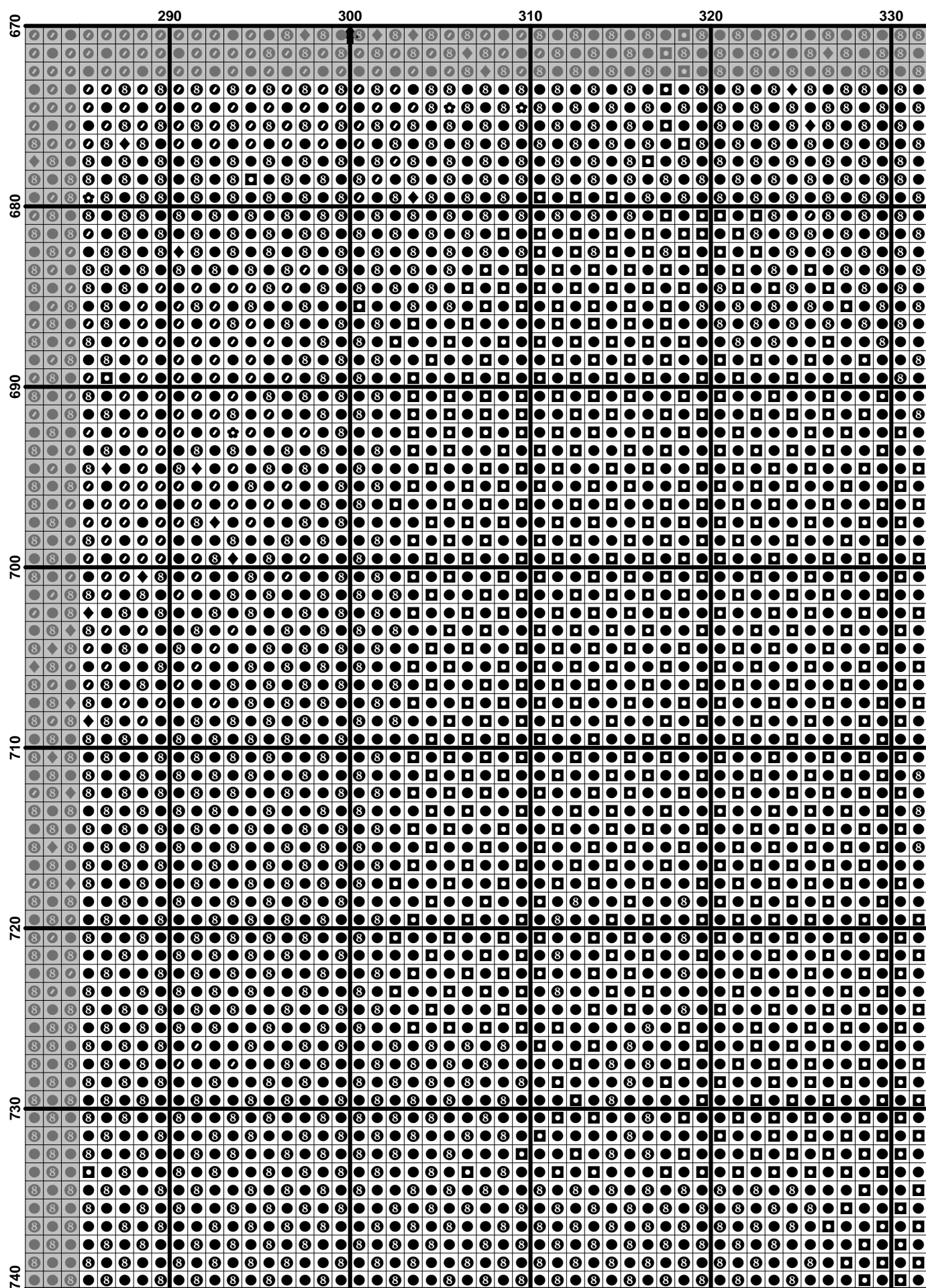
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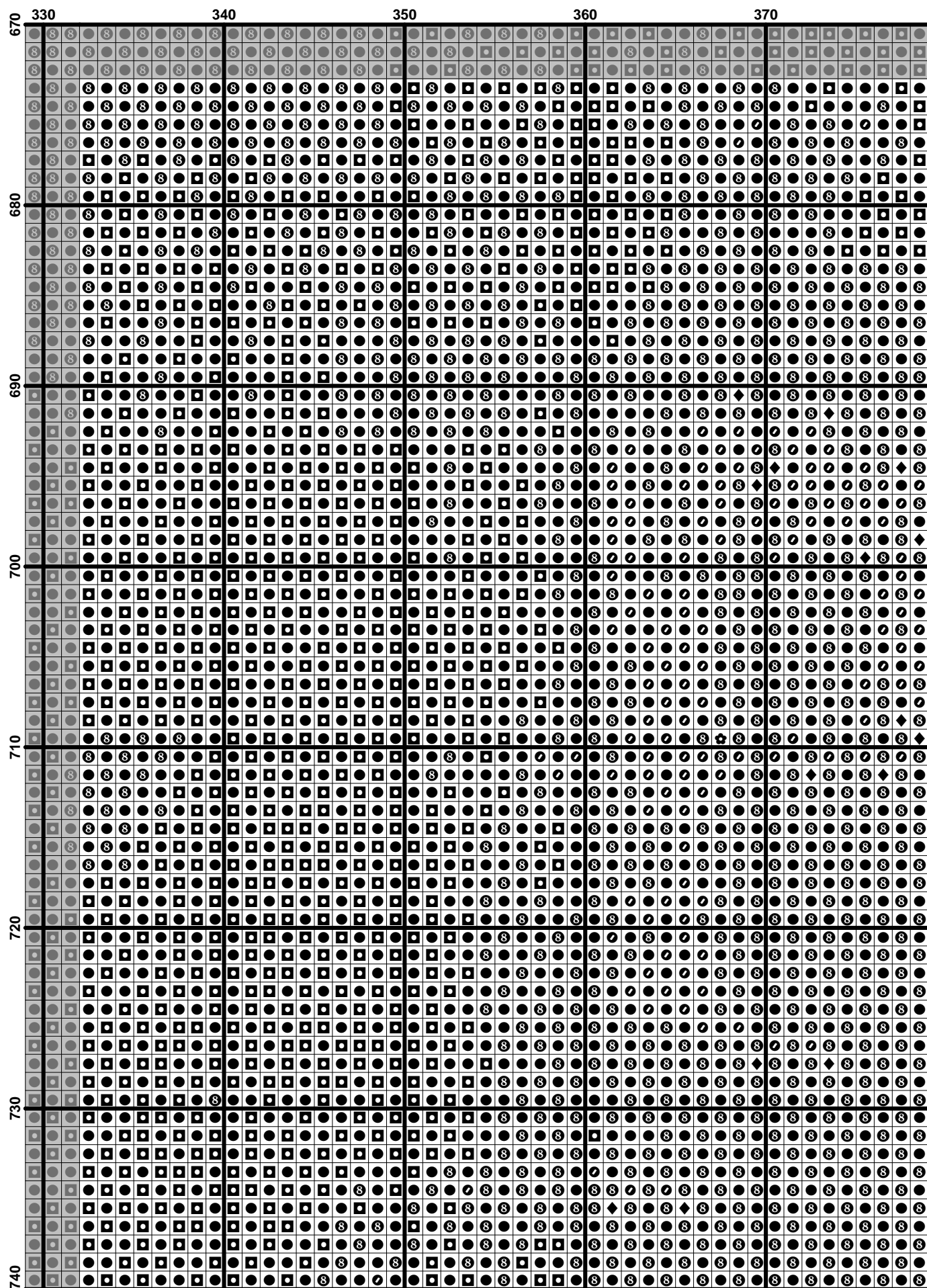
|     | 150 |  |  |  |  |  |  |  |  |  | 160 |  |  |  |  |  |  |  |  |  | 170 |  |  |  |  |  |  |  |  |  | 180 |  |  |  |  |  |  |  |  |  | 190 |  |  |  |  |  |  |  |  |  |
|-----|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|
| 670 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 680 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 690 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 700 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 710 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 720 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 730 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 740 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |

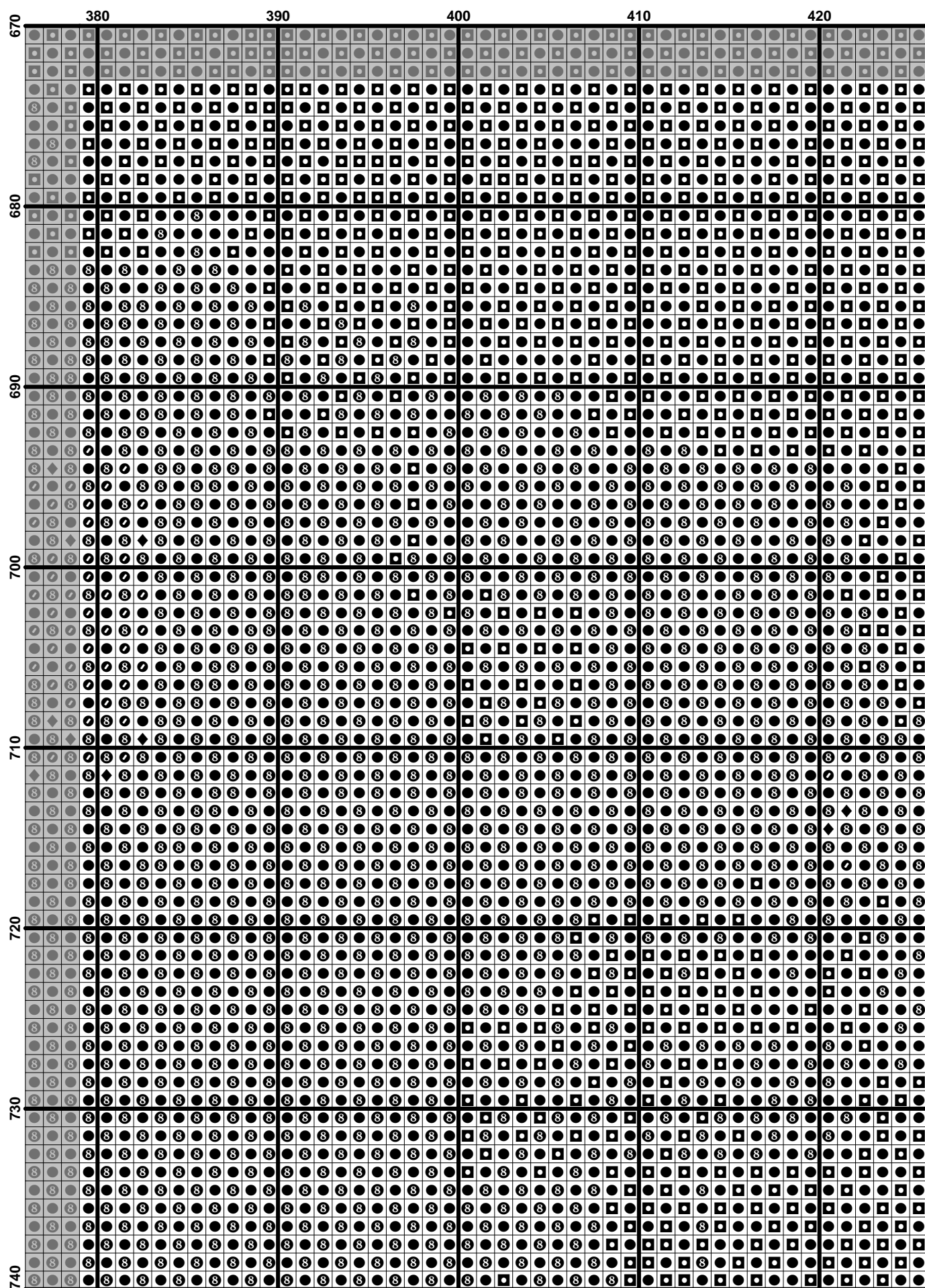


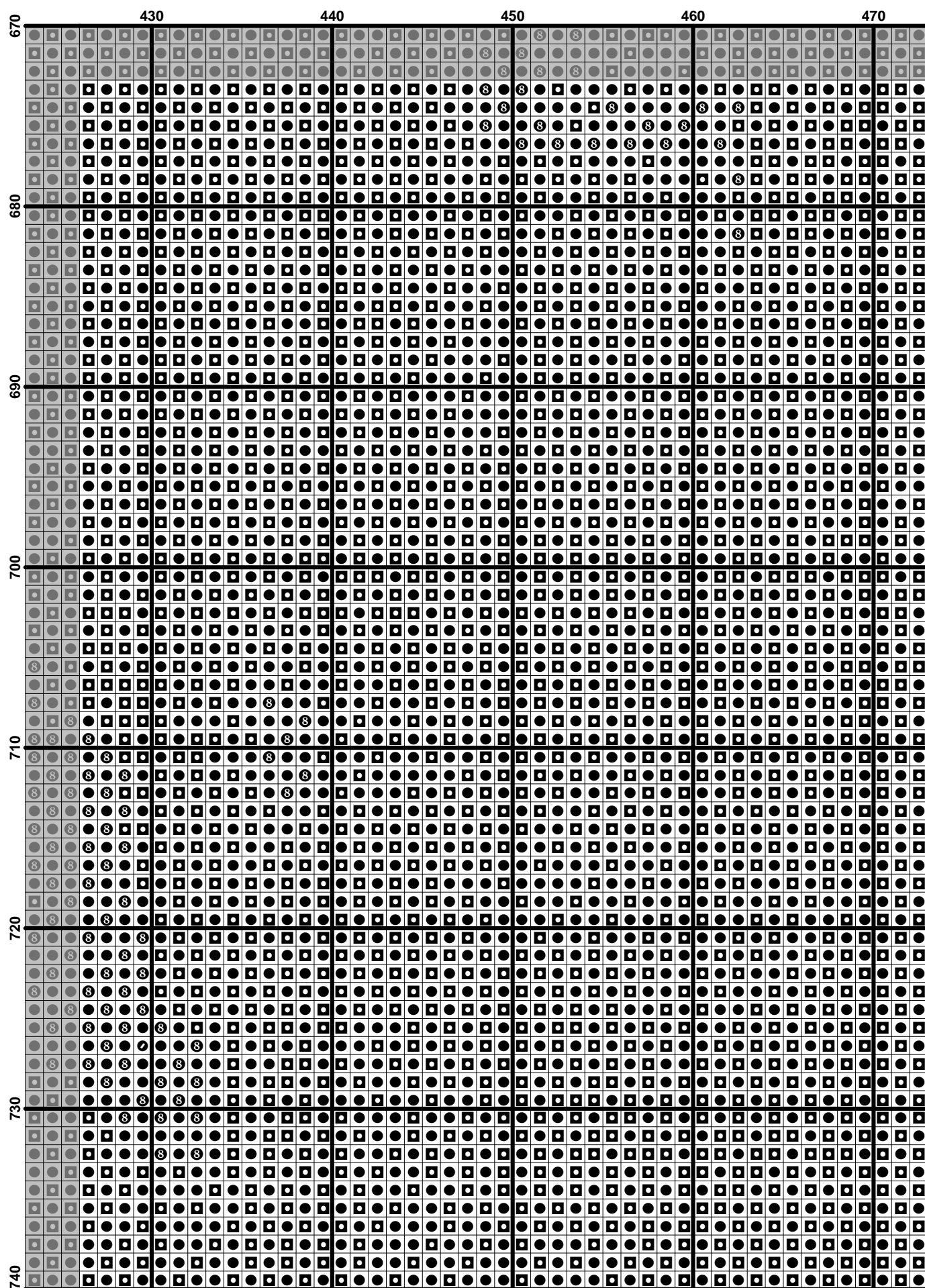


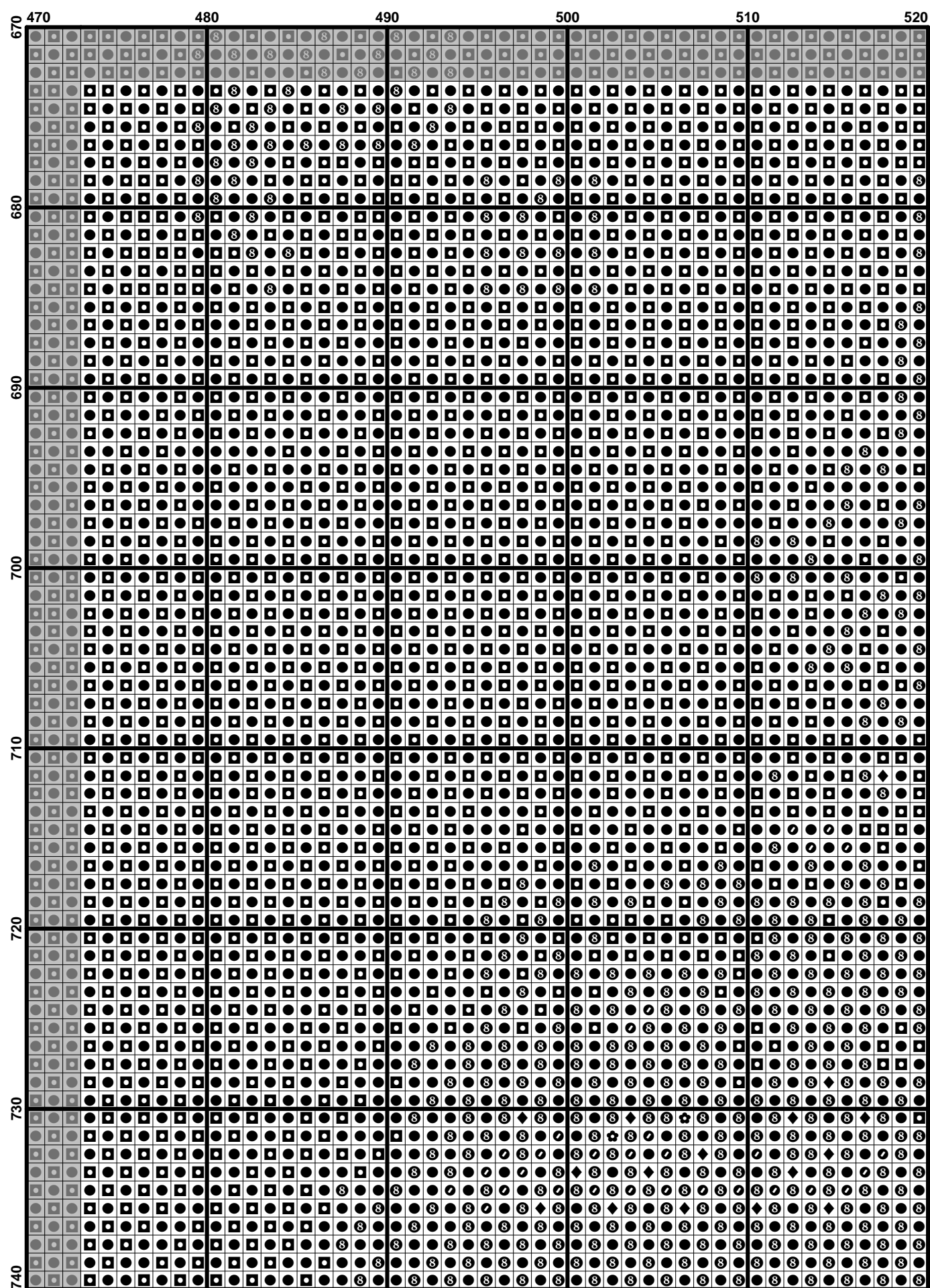


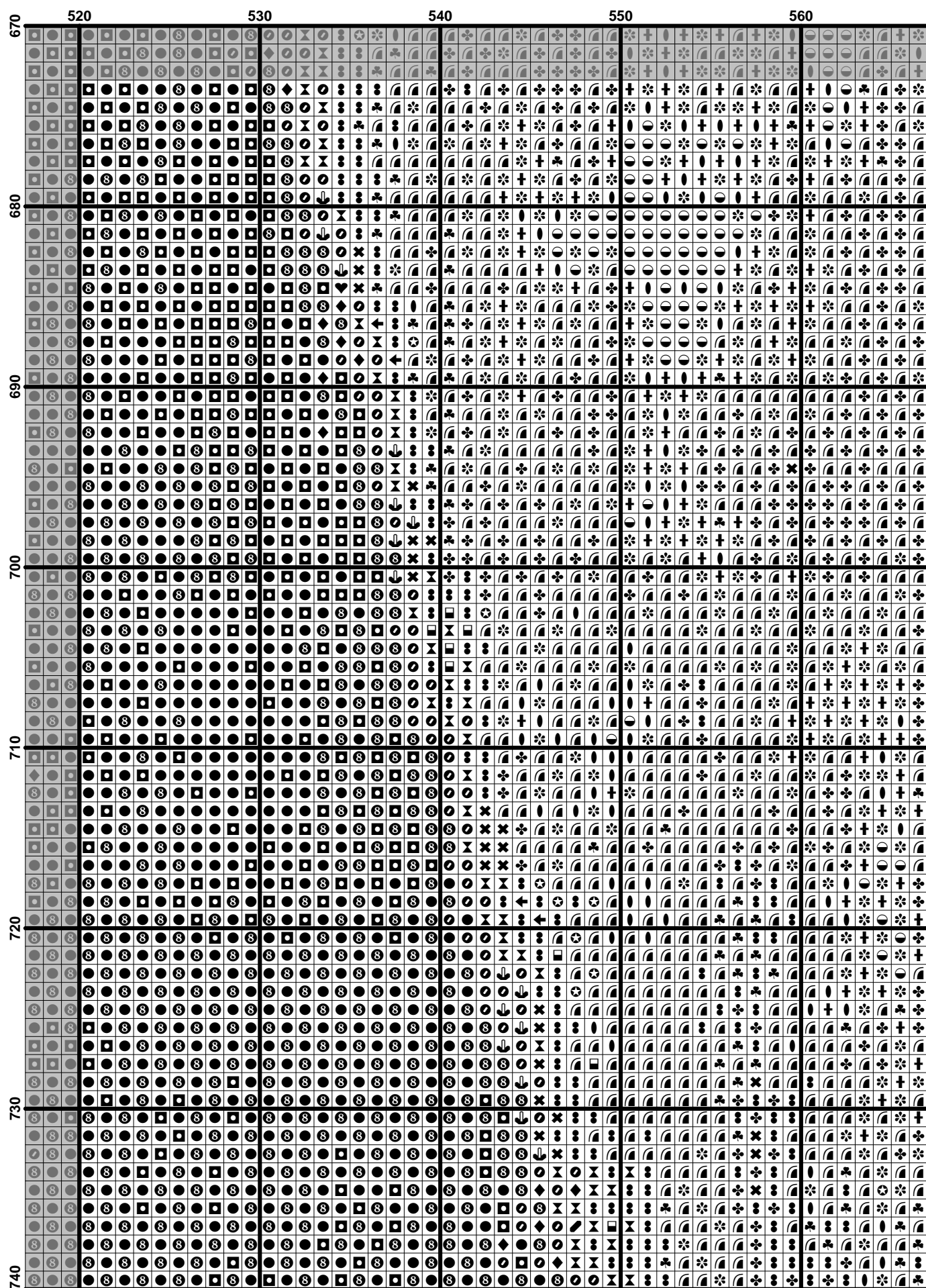




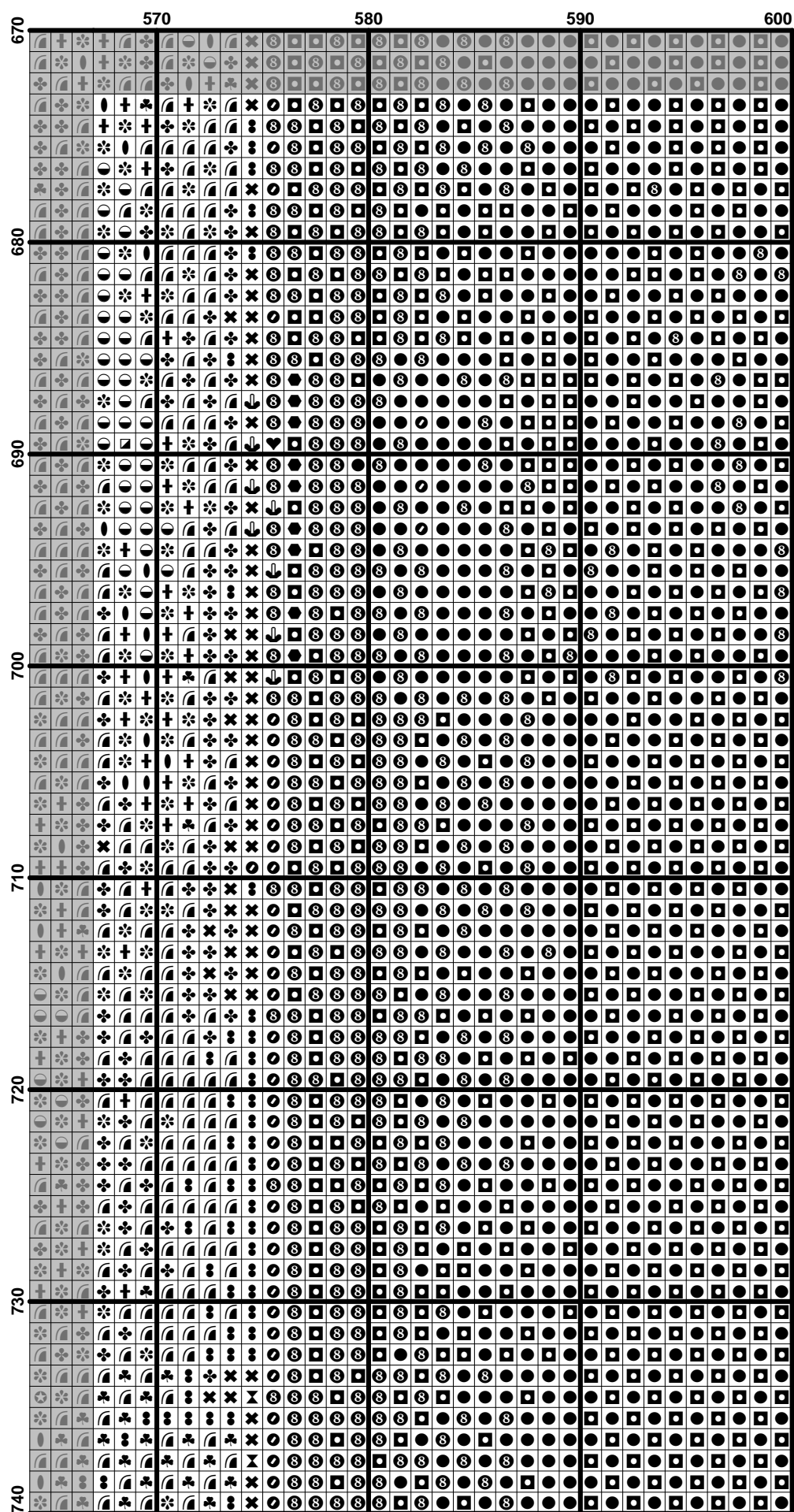












|     | 10 | 20 | 30 | 40 | 50 |
|-----|----|----|----|----|----|
| 740 |    |    |    |    |    |
| 750 |    |    |    |    |    |
| 760 |    |    |    |    |    |
| 770 |    |    |    |    |    |
| 780 |    |    |    |    |    |
| 790 |    |    |    |    |    |

[illegible]

[illegible]

