

480 The Creation of Adam



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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.

It is easiest to start in the center of the design. 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 thread 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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The Creation of Adam

| Stitch Count | |
|--------------|-----|
| Horizontal: | 698 |
| Vertical: | 396 |







































| 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: | 127 | 49.82 | 72 | 28.28 | 111 | 43.59 | 63 | 24.75 | 99 | 38.75 | 56 | 22 |
| Including Margins: | 143 | 56 | 88 | 35 | 127 | 50 | 79 | 31 | 115 | 45 | 72 | 29 |
| | 10 | | | | 12 | | | | 24 | | | |
| | Width | | Height | | Width | | Height | | Width | | Height | |
| | cm | inch | cm | inch | cm | inch | cm | inch | cm | inch | cm | inch |
| Pattern: | 177 | 69.74 | 100 | 39.59 | 148 | 58.12 | 84 | 32.99 | 74 | 29.06 | 42 | 16.49 |
| Including Margins: | 193 | 76 | 116 | 46 | 164 | 65 | 100 | 39 | 90 | 36 | 58 | 23 |
| | 25 | | | | 26 | | | | 27 | | | |
| | Width | | Height | | Width | | Height | | Width | | Height | |
| | cm | inch | cm | inch | cm | inch | cm | inch | cm | inch | cm | inch |
| Pattern: | 71 | 27.89 | 40 | 15.83 | 68 | 26.82 | 38 | 15.22 | 65 | 25.83 | 37 | 14.66 |
| Including Margins: | 87 | 34 | 56 | 22 | 84 | 33 | 54 | 22 | 81 | 32 | 53 | 21 |
| | 28 | | | | 30 | | | | 32 | | | |
| | Width | | Height | | Width | | Height | | Width | | Height | |
| | cm | inch | cm | inch | cm | inch | cm | inch | cm | inch | cm | inch |
| Pattern: | 63 | 24.91 | 36 | 14.14 | 59 | 23.24 | 33 | 13.19 | 55 | 21.79 | 31 | 12.37 |
| Including Margins: | 79 | 31 | 52 | 21 | 75 | 30 | 49 | 20 | 71 | 28 | 47 | 19 |

| Solid Color Stitches. Use two strands of the specified color for these stitches. | | |
|---|-----|---------------------|
| Symbol | DMC | Name |
|  | 223 | Shell Pink-LT |
|  | 300 | Mahogany-VY DK |
|  | 317 | Pewter Gray |
|  | 368 | Pistachio Green-LT |
|  | 370 | Mustard-MD |
|  | 371 | Mustard |
|  | 372 | Mustard-LT |
|  | 415 | Pearl Gray |
|  | 451 | Shell Gray-DK |
|  | 452 | Shell Gray-MD |
|  | 471 | Avocado Green-VY LT |
|  | 502 | Blue Green |
|  | 580 | Moss Green-DK |
|  | 581 | Moss Green |
|  | 610 | Drab Brown-DK |
|  | 611 | Drab Brown |
|  | 612 | Drab Brown-LT |
|  | 640 | Beige Gray-VY DK |
|  | 644 | Beige Gray-MD |
|  | 645 | Beaver Gray-VY DK |
|  | 647 | Beaver Gray-MD |
|  | 648 | Beaver Gray-LT |
|  | 703 | Chartreuse |
|  | 704 | Chartreuse-BRT |
|  | 712 | Cream |
|  | 730 | Olive Green-VY DK |
|  | 731 | Olive Green-DK |
|  | 738 | Tan-VY LT |
|  | 746 | Off White |
|  | 762 | Pearl Gray-VY LT |
|  | 778 | Antique Mauve-VY LT |
|  | 801 | Coffee Brown-DK |
|  | 829 | Golden Olive-VY DK |
|  | 830 | Golden Olive-DK |
|  | 831 | Golden Olive-MD |
|  | 839 | Beige Brown-DK |
|  | 842 | Beige Brown-VY LT |
|  | 844 | Beaver Brown-UL DK |
|  | 895 | Hunter Green-VY DK |
|  | 898 | Coffee Brown-VY DK |

| | | |
|---|------|-----------------------|
|  | 927 | Gray Green-LT |
|  | 928 | Gray Green-VY LT |
|  | 931 | Antique Blue-MD |
|  | 932 | Antique Blue-LT |
|  | 936 | Avocado Green-VY DK |
|  | 937 | Avocado Green-MD |
|  | 938 | Coffee Brown-UL DK |
|  | 950 | Desert Sand-LT |
|  | 951 | Tawny-LT |
|  | 955 | Nile Green-LT |
|  | 988 | Forest Green-MD |
|  | 989 | Forest Green |
|  | 3012 | Khaki Green-MD |
|  | 3013 | Khaki Green-LT |
|  | 3021 | Brown Gray-VY DK |
|  | 3024 | Brown Gray-VY LT |
|  | 3031 | Mocha Brown-VY DK |
|  | 3032 | Mocha Brown-MD |
|  | 3046 | Yellow Beige-MD |
|  | 3051 | Green Gray-DK |
|  | 3072 | Beaver Gray-VY LT |
|  | 3345 | Hunter Green-DK |
|  | 3346 | Hunter Green |
|  | 3348 | Yellow Green-LT |
|  | 3371 | Black Brown |
|  | 3726 | Antique Mauve-DK |
|  | 3753 | Antique Blue-UL VY LT |
|  | 3756 | Baby Blue-UL VY LT |
|  | 3766 | Peacock Blue-LT |
|  | 3768 | Gray Green-DK |
|  | 3772 | Desert Sand-VY DK |
|  | 3782 | Mocha Brown-LT |
|  | 3787 | Brown Gray-DK |
|  | 3799 | Pewter Gray-VY DK |
|  | 3828 | Hazelnut Brown |
|  | 3857 | Rosewood-DK |
|  | 3860 | Cocoa |
|  | 3862 | Mocha Beige-DK |
|  | 3864 | Mocha Beige-LT |
|  | 3865 | Winter White |
|  | 3866 | Mocha Brown-UL VY LT |
|  | 1 | White |

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

| Symbol | DMC1 | Name1 | DMC2 | Name2 |
|--------|------|-----------------------|------|-----------------------|
| :: | 3770 | Tawny-VY LT | 613 | Drab Brown-VY LT |
| ⇩ | 762 | Pearl Gray-VY LT | 712 | Cream |
| ⦿ | 371 | Mustard | 3863 | Mocha Beige-MD |
| ◇ | 3864 | Mocha Beige-LT | 436 | Tan |
| ■ | 3371 | Black Brown | 300 | Mahogany-VY DK |
| — | 3072 | Beaver Gray-VY LT | 948 | Peach-VY LT |
| ◇ | 317 | Pewter Gray | 3052 | Green Gray-MD |
| Z | 3032 | Mocha Brown-MD | 372 | Mustard-LT |
| + | 613 | Drab Brown-VY LT | 369 | Pistachio Green-VY LT |
| c | 3761 | Sky Blue-LT | 747 | Sky Blue-VY LT |
| III | 612 | Drab Brown-LT | 3045 | Yellow Beige-DK |
| // | 3861 | Cocoa-LT | 452 | Shell Gray-MD |
| ◇ | 522 | Fern Green | 368 | Pistachio Green-LT |
| ≡ | 932 | Antique Blue-LT | 3752 | Antique Blue-VY LT |
| * | 932 | Antique Blue-LT | 931 | Antique Blue-MD |
| ⊗ | 223 | Shell Pink-LT | 451 | Shell Gray-DK |
| ⇒ | 3053 | Green Gray | 3363 | Pine Green-MD |
| ⊗ | 831 | Golden Olive-MD | 840 | Beige Brown-MD |
| * | 844 | Beaver Brown-UL DK | 898 | Coffee Brown-VY DK |
| △ | 3722 | Shell Pink-MD | 3803 | Mauve-MD |
| ◐ | 520 | Fern Green-DK | 829 | Golden Olive-VY DK |
| ▣ | 319 | Pistachio Green-VY DK | 3345 | Hunter Green-DK |
| ♥ | 898 | Coffee Brown-VY DK | 3857 | Rosewood-DK |
| ⋈ | 3363 | Pine Green-MD | 3787 | Brown Gray-DK |
| e | 738 | Tan-VY LT | 739 | Tan-UL VY LT |
| ← | 300 | Mahogany-VY DK | 869 | Hazelnut Brown-VY DK |
| ◐ | 300 | Mahogany-VY DK | 831 | Golden Olive-MD |
| I | 640 | Beige Gray-VY DK | 646 | Beaver Gray-DK |
| ↘ | 640 | Beige Gray-VY DK | 3053 | Green Gray |
| + | 782 | Topaz-DK | 780 | Topaz-UL VY DK |
| ♠ | 451 | Shell Gray-DK | 645 | Beaver Gray-VY DK |
| ⋈ | 503 | Blue Green-MD | 3817 | Celadon Green-LT |
| ✕ | 3031 | Mocha Brown-VY DK | 3051 | Green Gray-DK |
| ⋈ | 3753 | Antique Blue-UL VY LT | 341 | Blue Violet-LT |
| 2 | 3782 | Mocha Brown-LT | 950 | Desert Sand-LT |
| • | 452 | Shell Gray-MD | 738 | Tan-VY LT |
| ⋈ | 801 | Coffee Brown-DK | 830 | Golden Olive-DK |
| ⊗ | 938 | Coffee Brown-UL DK | 801 | Coffee Brown-DK |
| = | 950 | Desert Sand-LT | 951 | Tawny-LT |
| ∇ | 372 | Mustard-LT | 612 | Drab Brown-LT |
| † | 831 | Golden Olive-MD | 801 | Coffee Brown-DK |
| ⋈ | 988 | Forest Green-MD | 989 | Forest Green |
| ▣ | 370 | Mustard-MD | 831 | Golden Olive-MD |
| ↑ | 372 | Mustard-LT | 738 | Tan-VY LT |
| ⋈ | 3860 | Cocoa | 3726 | Antique Mauve-DK |
| ⋈ | 3726 | Antique Mauve-DK | 839 | Beige Brown-DK |
| ⊗ | 452 | Shell Gray-MD | 451 | Shell Gray-DK |
| ↓ | 3857 | Rosewood-DK | 3726 | Antique Mauve-DK |
| (| 712 | Cream | 951 | Tawny-LT |
| | 3864 | Mocha Beige-LT | 372 | Mustard-LT |

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 (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|-----|-----------------------|------------|--------------|------------|--------------|------------|--------------|
| | | 14 | | 16 | | 18 | |
| 1 | White | 157 | 61 | 150 | 59 | 135 | 53 |
| 223 | Shell Pink-LT | 308 | 121 | 293 | 115 | 264 | 103 |
| 300 | Mahogany-VY DK | 1032 | 406 | 983 | 387 | 884 | 348 |
| 317 | Pewter Gray | 89 | 35 | 84 | 33 | 76 | 29 |
| 319 | Pistachio Green-VY DK | 139 | 54 | 132 | 51 | 119 | 46 |
| 341 | Blue Violet-LT | 145 | 57 | 138 | 54 | 124 | 48 |
| 368 | Pistachio Green-LT | 611 | 240 | 582 | 229 | 524 | 206 |
| 369 | Pistachio Green-VY LT | 85 | 33 | 81 | 31 | 73 | 28 |
| 370 | Mustard-MD | 425 | 167 | 405 | 159 | 365 | 143 |
| 371 | Mustard | 587 | 231 | 559 | 220 | 503 | 198 |
| 372 | Mustard-LT | 1242 | 488 | 1183 | 465 | 1065 | 419 |
| 415 | Pearl Gray | 877 | 345 | 835 | 328 | 752 | 296 |
| 436 | Tan | 89 | 35 | 85 | 33 | 76 | 29 |
| 451 | Shell Gray-DK | 712 | 280 | 678 | 266 | 610 | 240 |
| 452 | Shell Gray-MD | 1140 | 448 | 1086 | 427 | 977 | 384 |
| 471 | Avocado Green-VY LT | 40 | 15 | 38 | 14 | 34 | 13 |
| 502 | Blue Green | 139 | 54 | 133 | 52 | 119 | 46 |
| 503 | Blue Green-MD | 77 | 30 | 73 | 28 | 66 | 25 |
| 520 | Fern Green-DK | 591 | 232 | 563 | 221 | 507 | 199 |
| 522 | Fern Green | 107 | 42 | 102 | 40 | 91 | 35 |
| 580 | Moss Green-DK | 335 | 131 | 319 | 125 | 287 | 112 |
| 581 | Moss Green | 96 | 37 | 91 | 35 | 82 | 32 |
| 610 | Drab Brown-DK | 434 | 170 | 413 | 162 | 372 | 146 |
| 611 | Drab Brown | 771 | 303 | 734 | 288 | 661 | 260 |
| 612 | Drab Brown-LT | 649 | 255 | 618 | 243 | 556 | 218 |
| 613 | Drab Brown-VY LT | 377 | 148 | 359 | 141 | 323 | 127 |
| 640 | Beige Gray-VY DK | 672 | 264 | 640 | 251 | 576 | 226 |
| 644 | Beige Gray-MD | 151 | 59 | 144 | 56 | 129 | 50 |
| 645 | Beaver Gray-VY DK | 180 | 70 | 172 | 67 | 154 | 60 |
| 646 | Beaver Gray-DK | 32 | 12 | 31 | 12 | 27 | 10 |
| 647 | Beaver Gray-MD | 72 | 28 | 69 | 27 | 62 | 24 |
| 648 | Beaver Gray-LT | 293 | 115 | 279 | 109 | 251 | 98 |
| 703 | Chartreuse | 102 | 40 | 97 | 38 | 87 | 34 |
| 704 | Chartreuse-BRT | 201 | 79 | 191 | 75 | 172 | 67 |
| 712 | Cream | 6994 | 2753 | 6661 | 2622 | 5995 | 2360 |
| 730 | Olive Green-VY DK | 346 | 136 | 330 | 129 | 297 | 116 |
| 731 | Olive Green-DK | 212 | 83 | 202 | 79 | 181 | 71 |
| 738 | Tan-VY LT | 1489 | 586 | 1418 | 558 | 1276 | 502 |
| 739 | Tan-UL VY LT | 202 | 79 | 193 | 75 | 173 | 68 |
| 746 | Off White | 4987 | 1963 | 4749 | 1869 | 4274 | 1682 |
| 747 | Sky Blue-VY LT | 9 | 3 | 9 | 3 | 8 | 3 |
| 762 | Pearl Gray-VY LT | 3056 | 1203 | 2911 | 1146 | 2620 | 1031 |
| 778 | Antique Mauve-VY LT | 215 | 84 | 205 | 80 | 185 | 72 |
| 780 | Topaz-UL VY DK | 38 | 14 | 36 | 14 | 33 | 12 |
| 782 | Topaz-DK | 38 | 14 | 36 | 14 | 33 | 12 |
| 801 | Coffee Brown-DK | 885 | 348 | 842 | 331 | 758 | 298 |
| 829 | Golden Olive-VY DK | 1154 | 454 | 1099 | 432 | 989 | 389 |
| 830 | Golden Olive-DK | 749 | 294 | 713 | 280 | 642 | 252 |
| 831 | Golden Olive-MD | 1333 | 524 | 1269 | 499 | 1142 | 449 |
| 839 | Beige Brown-DK | 263 | 103 | 251 | 98 | 226 | 88 |
| 840 | Beige Brown-MD | 36 | 14 | 35 | 13 | 31 | 12 |
| 842 | Beige Brown-VY LT | 916 | 360 | 873 | 343 | 785 | 309 |
| 844 | Beaver Brown-UL DK | 568 | 223 | 541 | 212 | 487 | 191 |

| | | | | | | | |
|------|-----------------------|------|------|------|------|------|------|
| 869 | Hazelnut Brown-VY DK | 92 | 36 | 88 | 34 | 79 | 31 |
| 895 | Hunter Green-VY DK | 535 | 210 | 509 | 200 | 458 | 180 |
| 898 | Coffee Brown-VY DK | 615 | 242 | 586 | 230 | 527 | 207 |
| 927 | Gray Green-LT | 334 | 131 | 318 | 125 | 286 | 112 |
| 928 | Gray Green-VY LT | 579 | 227 | 552 | 217 | 497 | 195 |
| 931 | Antique Blue-MD | 194 | 76 | 185 | 72 | 166 | 65 |
| 932 | Antique Blue-LT | 1598 | 629 | 1521 | 598 | 1369 | 538 |
| 936 | Avocado Green-VY DK | 644 | 253 | 613 | 241 | 552 | 217 |
| 937 | Avocado Green-MD | 210 | 82 | 200 | 78 | 180 | 70 |
| 938 | Coffee Brown-UL DK | 862 | 339 | 821 | 323 | 739 | 290 |
| 948 | Peach-VY LT | 141 | 55 | 135 | 53 | 121 | 47 |
| 950 | Desert Sand-LT | 2070 | 814 | 1972 | 776 | 1774 | 698 |
| 951 | Tawny-LT | 1199 | 472 | 1142 | 449 | 1028 | 404 |
| 955 | Nile Green-LT | 132 | 51 | 126 | 49 | 113 | 44 |
| 988 | Forest Green-MD | 505 | 198 | 481 | 189 | 433 | 170 |
| 989 | Forest Green | 277 | 109 | 264 | 103 | 238 | 93 |
| 3012 | Khaki Green-MD | 565 | 222 | 538 | 211 | 485 | 190 |
| 3013 | Khaki Green-LT | 121 | 47 | 115 | 45 | 104 | 40 |
| 3021 | Brown Gray-VY DK | 299 | 117 | 285 | 112 | 256 | 100 |
| 3024 | Brown Gray-VY LT | 1025 | 403 | 976 | 384 | 878 | 345 |
| 3031 | Mocha Brown-VY DK | 1011 | 398 | 963 | 379 | 867 | 341 |
| 3032 | Mocha Brown-MD | 492 | 193 | 469 | 184 | 422 | 166 |
| 3045 | Yellow Beige-DK | 128 | 50 | 122 | 48 | 110 | 43 |
| 3046 | Yellow Beige-MD | 35 | 13 | 34 | 13 | 30 | 11 |
| 3051 | Green Gray-DK | 1602 | 630 | 1525 | 600 | 1373 | 540 |
| 3052 | Green Gray-MD | 70 | 27 | 67 | 26 | 60 | 23 |
| 3053 | Green Gray | 339 | 133 | 322 | 126 | 290 | 114 |
| 3072 | Beaver Gray-VY LT | 1474 | 580 | 1404 | 552 | 1264 | 497 |
| 3345 | Hunter Green-DK | 356 | 140 | 339 | 133 | 305 | 120 |
| 3346 | Hunter Green | 570 | 224 | 543 | 213 | 488 | 192 |
| 3348 | Yellow Green-LT | 285 | 112 | 272 | 107 | 244 | 96 |
| 3363 | Pine Green-MD | 805 | 316 | 767 | 301 | 690 | 271 |
| 3371 | Black Brown | 2612 | 1028 | 2487 | 979 | 2238 | 881 |
| 3722 | Shell Pink-MD | 8 | 3 | 8 | 3 | 7 | 2 |
| 3726 | Antique Mauve-DK | 383 | 150 | 365 | 143 | 329 | 129 |
| 3752 | Antique Blue-VY LT | 465 | 183 | 443 | 174 | 399 | 157 |
| 3753 | Antique Blue-UL VY LT | 674 | 265 | 642 | 252 | 578 | 227 |
| 3756 | Baby Blue-UL VY LT | 3762 | 1481 | 3583 | 1410 | 3225 | 1269 |
| 3761 | Sky Blue-LT | 9 | 3 | 9 | 3 | 8 | 3 |
| 3766 | Peacock Blue-LT | 173 | 68 | 164 | 64 | 148 | 58 |
| 3768 | Gray Green-DK | 22 | 8 | 21 | 8 | 19 | 7 |
| 3770 | Tawny-VY LT | 291 | 114 | 277 | 109 | 250 | 98 |
| 3772 | Desert Sand-VY DK | 24 | 9 | 23 | 9 | 20 | 7 |
| 3782 | Mocha Brown-LT | 667 | 262 | 635 | 250 | 572 | 225 |
| 3787 | Brown Gray-DK | 1583 | 623 | 1507 | 593 | 1357 | 534 |
| 3799 | Pewter Gray-VY DK | 61 | 24 | 58 | 22 | 52 | 20 |
| 3803 | Mauve-MD | 8 | 3 | 8 | 3 | 7 | 2 |
| 3817 | Celadon Green-LT | 77 | 30 | 73 | 28 | 66 | 25 |
| 3828 | Hazelnut Brown | 123 | 48 | 117 | 46 | 106 | 41 |
| 3857 | Rosewood-DK | 578 | 227 | 551 | 216 | 496 | 195 |
| 3860 | Cocoa | 204 | 80 | 194 | 76 | 174 | 68 |
| 3861 | Cocoa-LT | 177 | 69 | 169 | 66 | 152 | 59 |
| 3862 | Mocha Beige-DK | 213 | 83 | 203 | 79 | 182 | 71 |
| 3863 | Mocha Beige-MD | 147 | 57 | 140 | 55 | 126 | 49 |
| 3864 | Mocha Beige-LT | 632 | 248 | 601 | 236 | 541 | 212 |
| 3865 | Winter White | 8283 | 3261 | 7889 | 3105 | 7100 | 2795 |
| 3866 | Mocha Brown-UL VY LT | 1162 | 457 | 1106 | 435 | 996 | 392 |

Extended thread usage table.

| DMC | Name | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|-----|-----------------------|------------|--------------|------------|--------------|------------|--------------|
| | | 10 | | 12 | | 24 | |
| 1 | White | 243 | 95 | 203 | 80 | 101 | 40 |
| 223 | Shell Pink-LT | 475 | 185 | 396 | 155 | 198 | 77 |
| 300 | Mahogany-VY DK | 1591 | 626 | 1326 | 522 | 663 | 261 |
| 317 | Pewter Gray | 137 | 52 | 114 | 44 | 57 | 22 |
| 319 | Pistachio Green-VY DK | 214 | 83 | 179 | 69 | 89 | 35 |
| 341 | Blue Violet-LT | 223 | 86 | 186 | 72 | 93 | 36 |
| 368 | Pistachio Green-LT | 943 | 371 | 786 | 309 | 393 | 155 |
| 369 | Pistachio Green-VY LT | 131 | 50 | 110 | 42 | 55 | 21 |
| 370 | Mustard-MD | 657 | 257 | 548 | 215 | 274 | 107 |
| 371 | Mustard | 905 | 356 | 755 | 297 | 377 | 149 |
| 372 | Mustard-LT | 1917 | 754 | 1598 | 629 | 799 | 314 |
| 415 | Pearl Gray | 1354 | 533 | 1128 | 444 | 564 | 222 |
| 436 | Tan | 137 | 52 | 114 | 44 | 57 | 22 |
| 451 | Shell Gray-DK | 1098 | 432 | 915 | 360 | 458 | 180 |
| 452 | Shell Gray-MD | 1759 | 691 | 1466 | 576 | 733 | 288 |
| 471 | Avocado Green-VY LT | 61 | 23 | 51 | 20 | 26 | 10 |
| 502 | Blue Green | 214 | 83 | 179 | 69 | 89 | 35 |
| 503 | Blue Green-MD | 119 | 45 | 99 | 38 | 50 | 19 |
| 520 | Fern Green-DK | 913 | 358 | 761 | 299 | 380 | 149 |
| 522 | Fern Green | 164 | 63 | 137 | 53 | 68 | 26 |
| 580 | Moss Green-DK | 517 | 202 | 431 | 168 | 215 | 84 |
| 581 | Moss Green | 148 | 58 | 123 | 48 | 62 | 24 |
| 610 | Drab Brown-DK | 670 | 263 | 558 | 219 | 279 | 110 |
| 611 | Drab Brown | 1190 | 468 | 992 | 390 | 496 | 195 |
| 612 | Drab Brown-LT | 1001 | 392 | 834 | 327 | 417 | 164 |
| 613 | Drab Brown-VY LT | 581 | 229 | 485 | 191 | 242 | 95 |
| 640 | Beige Gray-VY DK | 1037 | 407 | 864 | 339 | 432 | 170 |
| 644 | Beige Gray-MD | 232 | 90 | 194 | 75 | 97 | 38 |
| 645 | Beaver Gray-VY DK | 277 | 108 | 231 | 90 | 116 | 45 |
| 646 | Beaver Gray-DK | 49 | 18 | 41 | 15 | 20 | 8 |
| 647 | Beaver Gray-MD | 112 | 43 | 93 | 36 | 47 | 18 |
| 648 | Beaver Gray-LT | 452 | 176 | 377 | 147 | 188 | 74 |
| 703 | Chartreuse | 157 | 61 | 131 | 51 | 65 | 26 |
| 704 | Chartreuse-BRT | 310 | 121 | 258 | 101 | 129 | 50 |
| 712 | Cream | 10791 | 4248 | 8993 | 3540 | 4496 | 1770 |
| 730 | Olive Green-VY DK | 535 | 209 | 446 | 174 | 223 | 87 |
| 731 | Olive Green-DK | 326 | 128 | 272 | 107 | 136 | 53 |
| 738 | Tan-VY LT | 2297 | 904 | 1914 | 753 | 957 | 377 |
| 739 | Tan-UL VY LT | 311 | 122 | 260 | 102 | 130 | 51 |
| 746 | Off White | 7693 | 3028 | 6411 | 2523 | 3206 | 1262 |
| 747 | Sky Blue-VY LT | 14 | 5 | 12 | 5 | 6 | 2 |
| 762 | Pearl Gray-VY LT | 4716 | 1856 | 3930 | 1547 | 1965 | 773 |
| 778 | Antique Mauve-VY LT | 333 | 130 | 278 | 108 | 139 | 54 |
| 780 | Topaz-UL VY DK | 59 | 22 | 50 | 18 | 25 | 9 |
| 782 | Topaz-DK | 59 | 22 | 50 | 18 | 25 | 9 |
| 801 | Coffee Brown-DK | 1364 | 536 | 1137 | 447 | 569 | 224 |
| 829 | Golden Olive-VY DK | 1780 | 700 | 1484 | 584 | 742 | 292 |
| 830 | Golden Olive-DK | 1156 | 454 | 963 | 378 | 482 | 189 |
| 831 | Golden Olive-MD | 2056 | 808 | 1713 | 674 | 857 | 337 |
| 839 | Beige Brown-DK | 407 | 158 | 339 | 132 | 170 | 66 |
| 840 | Beige Brown-MD | 56 | 22 | 47 | 18 | 23 | 9 |
| 842 | Beige Brown-VY LT | 1413 | 556 | 1178 | 464 | 589 | 232 |
| 844 | Beaver Brown-UL DK | 877 | 344 | 731 | 287 | 365 | 143 |
| 869 | Hazelnut Brown-VY DK | 142 | 56 | 119 | 47 | 59 | 23 |

| | | | | | | | |
|------|-----------------------|-------|------|-------|------|------|------|
| 895 | Hunter Green-VY DK | 824 | 324 | 687 | 270 | 344 | 135 |
| 898 | Coffee Brown-VY DK | 949 | 373 | 791 | 311 | 395 | 155 |
| 927 | Gray Green-LT | 515 | 202 | 429 | 168 | 215 | 84 |
| 928 | Gray Green-VY LT | 895 | 351 | 746 | 293 | 373 | 146 |
| 931 | Antique Blue-MD | 299 | 117 | 249 | 98 | 125 | 49 |
| 932 | Antique Blue-LT | 2464 | 968 | 2054 | 807 | 1027 | 404 |
| 936 | Avocado Green-VY DK | 994 | 391 | 828 | 326 | 414 | 163 |
| 937 | Avocado Green-MD | 324 | 126 | 270 | 105 | 135 | 53 |
| 938 | Coffee Brown-UL DK | 1330 | 522 | 1109 | 435 | 554 | 218 |
| 948 | Peach-VY LT | 218 | 85 | 182 | 71 | 91 | 35 |
| 950 | Desert Sand-LT | 3193 | 1256 | 2661 | 1047 | 1331 | 524 |
| 951 | Tawny-LT | 1850 | 727 | 1542 | 606 | 771 | 303 |
| 955 | Nile Green-LT | 203 | 79 | 170 | 66 | 85 | 33 |
| 988 | Forest Green-MD | 779 | 306 | 650 | 255 | 325 | 128 |
| 989 | Forest Green | 428 | 167 | 357 | 140 | 179 | 70 |
| 3012 | Khaki Green-MD | 873 | 342 | 728 | 285 | 364 | 143 |
| 3013 | Khaki Green-LT | 187 | 72 | 156 | 60 | 78 | 30 |
| 3021 | Brown Gray-VY DK | 461 | 180 | 384 | 150 | 192 | 75 |
| 3024 | Brown Gray-VY LT | 1580 | 621 | 1317 | 518 | 659 | 259 |
| 3031 | Mocha Brown-VY DK | 1561 | 614 | 1301 | 512 | 650 | 256 |
| 3032 | Mocha Brown-MD | 760 | 299 | 633 | 249 | 317 | 125 |
| 3045 | Yellow Beige-DK | 198 | 77 | 165 | 65 | 83 | 32 |
| 3046 | Yellow Beige-MD | 54 | 20 | 45 | 17 | 23 | 8 |
| 3051 | Green Gray-DK | 2471 | 972 | 2060 | 810 | 1030 | 405 |
| 3052 | Green Gray-MD | 108 | 41 | 90 | 35 | 45 | 17 |
| 3053 | Green Gray | 522 | 205 | 435 | 171 | 218 | 86 |
| 3072 | Beaver Gray-VY LT | 2275 | 895 | 1896 | 746 | 948 | 373 |
| 3345 | Hunter Green-DK | 549 | 216 | 458 | 180 | 229 | 90 |
| 3346 | Hunter Green | 878 | 346 | 732 | 288 | 366 | 144 |
| 3348 | Yellow Green-LT | 439 | 173 | 366 | 144 | 183 | 72 |
| 3363 | Pine Green-MD | 1242 | 488 | 1035 | 407 | 518 | 203 |
| 3371 | Black Brown | 4028 | 1586 | 3357 | 1322 | 1679 | 661 |
| 3722 | Shell Pink-MD | 13 | 4 | 11 | 3 | 5 | 2 |
| 3726 | Antique Mauve-DK | 592 | 232 | 494 | 194 | 247 | 97 |
| 3752 | Antique Blue-VY LT | 718 | 283 | 599 | 236 | 299 | 118 |
| 3753 | Antique Blue-UL VY LT | 1040 | 409 | 867 | 341 | 434 | 170 |
| 3756 | Baby Blue-UL VY LT | 5805 | 2284 | 4838 | 1904 | 2419 | 952 |
| 3761 | Sky Blue-LT | 14 | 5 | 12 | 5 | 6 | 2 |
| 3766 | Peacock Blue-LT | 266 | 104 | 222 | 87 | 111 | 44 |
| 3768 | Gray Green-DK | 34 | 13 | 29 | 11 | 14 | 5 |
| 3770 | Tawny-VY LT | 450 | 176 | 375 | 147 | 188 | 74 |
| 3772 | Desert Sand-VY DK | 36 | 13 | 30 | 11 | 15 | 5 |
| 3782 | Mocha Brown-LT | 1030 | 405 | 858 | 338 | 429 | 169 |
| 3787 | Brown Gray-DK | 2443 | 961 | 2036 | 801 | 1018 | 401 |
| 3799 | Pewter Gray-VY DK | 94 | 36 | 78 | 30 | 39 | 15 |
| 3803 | Mauve-MD | 13 | 4 | 11 | 3 | 5 | 2 |
| 3817 | Celadon Green-LT | 119 | 45 | 99 | 38 | 50 | 19 |
| 3828 | Hazelnut Brown | 191 | 74 | 159 | 62 | 80 | 31 |
| 3857 | Rosewood-DK | 893 | 351 | 744 | 293 | 372 | 146 |
| 3860 | Cocoa | 313 | 122 | 261 | 102 | 131 | 51 |
| 3861 | Cocoa-LT | 274 | 106 | 228 | 89 | 114 | 44 |
| 3862 | Mocha Beige-DK | 328 | 128 | 273 | 107 | 137 | 53 |
| 3863 | Mocha Beige-MD | 227 | 88 | 189 | 74 | 95 | 37 |
| 3864 | Mocha Beige-LT | 974 | 382 | 812 | 318 | 406 | 159 |
| 3865 | Winter White | 12780 | 5031 | 10650 | 4193 | 5325 | 2096 |
| 3866 | Mocha Brown-UL VY LT | 1793 | 706 | 1494 | 588 | 747 | 294 |

| Extended thread usage table. | | | | | | | |
|------------------------------|-----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC | Name | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
| | | 25 | | 26 | | 27 | |
| 1 | White | 97 | 38 | 93 | 37 | 90 | 35 |
| 223 | Shell Pink-LT | 190 | 74 | 183 | 71 | 176 | 69 |
| 300 | Mahogany-VY DK | 636 | 251 | 612 | 241 | 589 | 232 |
| 317 | Pewter Gray | 55 | 21 | 53 | 20 | 51 | 19 |
| 319 | Pistachio Green-VY DK | 86 | 33 | 82 | 32 | 79 | 31 |
| 341 | Blue Violet-LT | 89 | 35 | 86 | 33 | 83 | 32 |
| 368 | Pistachio Green-LT | 377 | 148 | 363 | 143 | 349 | 137 |
| 369 | Pistachio Green-VY LT | 53 | 20 | 51 | 19 | 49 | 19 |
| 370 | Mustard-MD | 263 | 103 | 253 | 99 | 243 | 95 |
| 371 | Mustard | 362 | 143 | 348 | 137 | 335 | 132 |
| 372 | Mustard-LT | 767 | 302 | 737 | 290 | 710 | 279 |
| 415 | Pearl Gray | 541 | 213 | 521 | 205 | 501 | 197 |
| 436 | Tan | 55 | 21 | 53 | 20 | 51 | 19 |
| 451 | Shell Gray-DK | 439 | 173 | 422 | 166 | 407 | 160 |
| 452 | Shell Gray-MD | 703 | 276 | 676 | 266 | 651 | 256 |
| 471 | Avocado Green-VY LT | 24 | 9 | 24 | 9 | 23 | 9 |
| 502 | Blue Green | 86 | 33 | 82 | 32 | 79 | 31 |
| 503 | Blue Green-MD | 48 | 18 | 46 | 17 | 44 | 17 |
| 520 | Fern Green-DK | 365 | 143 | 351 | 138 | 338 | 133 |
| 522 | Fern Green | 66 | 25 | 63 | 24 | 61 | 23 |
| 580 | Moss Green-DK | 207 | 81 | 199 | 78 | 191 | 75 |
| 581 | Moss Green | 59 | 23 | 57 | 22 | 55 | 21 |
| 610 | Drab Brown-DK | 268 | 105 | 258 | 101 | 248 | 97 |
| 611 | Drab Brown | 476 | 187 | 458 | 180 | 441 | 173 |
| 612 | Drab Brown-LT | 400 | 157 | 385 | 151 | 371 | 145 |
| 613 | Drab Brown-VY LT | 233 | 91 | 224 | 88 | 215 | 85 |
| 640 | Beige Gray-VY DK | 415 | 163 | 399 | 156 | 384 | 151 |
| 644 | Beige Gray-MD | 93 | 36 | 89 | 35 | 86 | 33 |
| 645 | Beaver Gray-VY DK | 111 | 43 | 107 | 42 | 103 | 40 |
| 646 | Beaver Gray-DK | 19 | 7 | 19 | 7 | 18 | 7 |
| 647 | Beaver Gray-MD | 45 | 17 | 43 | 17 | 41 | 16 |
| 648 | Beaver Gray-LT | 181 | 71 | 174 | 68 | 167 | 65 |
| 703 | Chartreuse | 63 | 24 | 60 | 24 | 58 | 23 |
| 704 | Chartreuse-BRT | 124 | 48 | 119 | 46 | 115 | 45 |
| 712 | Cream | 4316 | 1699 | 4150 | 1634 | 3997 | 1573 |
| 730 | Olive Green-VY DK | 214 | 84 | 206 | 80 | 198 | 77 |
| 731 | Olive Green-DK | 130 | 51 | 125 | 49 | 121 | 47 |
| 738 | Tan-VY LT | 919 | 361 | 883 | 348 | 851 | 335 |
| 739 | Tan-UL VY LT | 125 | 49 | 120 | 47 | 115 | 45 |
| 746 | Off White | 3077 | 1211 | 2959 | 1164 | 2849 | 1121 |
| 747 | Sky Blue-VY LT | 6 | 2 | 6 | 2 | 5 | 2 |
| 762 | Pearl Gray-VY LT | 1886 | 742 | 1814 | 714 | 1747 | 687 |
| 778 | Antique Mauve-VY LT | 133 | 52 | 128 | 50 | 123 | 48 |
| 780 | Topaz-UL VY DK | 24 | 9 | 23 | 8 | 22 | 8 |
| 782 | Topaz-DK | 24 | 9 | 23 | 8 | 22 | 8 |
| 801 | Coffee Brown-DK | 546 | 215 | 525 | 206 | 505 | 199 |
| 829 | Golden Olive-VY DK | 712 | 280 | 685 | 269 | 659 | 259 |
| 830 | Golden Olive-DK | 462 | 181 | 444 | 174 | 428 | 168 |
| 831 | Golden Olive-MD | 822 | 323 | 791 | 311 | 761 | 299 |
| 839 | Beige Brown-DK | 163 | 63 | 156 | 61 | 151 | 59 |
| 840 | Beige Brown-MD | 22 | 9 | 21 | 8 | 21 | 8 |
| 842 | Beige Brown-VY LT | 565 | 222 | 543 | 214 | 523 | 206 |
| 844 | Beaver Brown-UL DK | 351 | 138 | 337 | 132 | 325 | 127 |
| 869 | Hazelnut Brown-VY DK | 57 | 22 | 55 | 21 | 53 | 21 |

| | | | | | | | |
|------|-----------------------|------|------|------|------|------|------|
| 895 | Hunter Green-VY DK | 330 | 130 | 317 | 125 | 305 | 120 |
| 898 | Coffee Brown-VY DK | 379 | 149 | 365 | 143 | 351 | 138 |
| 927 | Gray Green-LT | 206 | 81 | 198 | 78 | 191 | 75 |
| 928 | Gray Green-VY LT | 358 | 140 | 344 | 135 | 331 | 130 |
| 931 | Antique Blue-MD | 120 | 47 | 115 | 45 | 111 | 43 |
| 932 | Antique Blue-LT | 986 | 387 | 948 | 372 | 913 | 359 |
| 936 | Avocado Green-VY DK | 397 | 156 | 382 | 150 | 368 | 145 |
| 937 | Avocado Green-MD | 130 | 50 | 125 | 48 | 120 | 47 |
| 938 | Coffee Brown-UL DK | 532 | 209 | 512 | 201 | 493 | 193 |
| 948 | Peach-VY LT | 87 | 34 | 84 | 33 | 81 | 31 |
| 950 | Desert Sand-LT | 1277 | 503 | 1228 | 483 | 1183 | 465 |
| 951 | Tawny-LT | 740 | 291 | 712 | 280 | 685 | 269 |
| 955 | Nile Green-LT | 81 | 32 | 78 | 30 | 75 | 29 |
| 988 | Forest Green-MD | 312 | 122 | 300 | 118 | 289 | 113 |
| 989 | Forest Green | 171 | 67 | 165 | 64 | 159 | 62 |
| 3012 | Khaki Green-MD | 349 | 137 | 336 | 132 | 323 | 127 |
| 3013 | Khaki Green-LT | 75 | 29 | 72 | 28 | 69 | 27 |
| 3021 | Brown Gray-VY DK | 184 | 72 | 177 | 69 | 171 | 67 |
| 3024 | Brown Gray-VY LT | 632 | 248 | 608 | 239 | 585 | 230 |
| 3031 | Mocha Brown-VY DK | 624 | 246 | 600 | 236 | 578 | 227 |
| 3032 | Mocha Brown-MD | 304 | 120 | 292 | 115 | 281 | 111 |
| 3045 | Yellow Beige-DK | 79 | 31 | 76 | 30 | 73 | 29 |
| 3046 | Yellow Beige-MD | 22 | 8 | 21 | 8 | 20 | 7 |
| 3051 | Green Gray-DK | 989 | 389 | 951 | 374 | 915 | 360 |
| 3052 | Green Gray-MD | 43 | 17 | 42 | 16 | 40 | 15 |
| 3053 | Green Gray | 209 | 82 | 201 | 79 | 193 | 76 |
| 3072 | Beaver Gray-VY LT | 910 | 358 | 875 | 344 | 843 | 331 |
| 3345 | Hunter Green-DK | 220 | 86 | 211 | 83 | 203 | 80 |
| 3346 | Hunter Green | 351 | 138 | 338 | 133 | 325 | 128 |
| 3348 | Yellow Green-LT | 176 | 69 | 169 | 66 | 163 | 64 |
| 3363 | Pine Green-MD | 497 | 195 | 478 | 188 | 460 | 181 |
| 3371 | Black Brown | 1611 | 634 | 1549 | 610 | 1492 | 587 |
| 3722 | Shell Pink-MD | 5 | 1 | 5 | 1 | 5 | 1 |
| 3726 | Antique Mauve-DK | 237 | 93 | 228 | 89 | 219 | 86 |
| 3752 | Antique Blue-VY LT | 287 | 113 | 276 | 109 | 266 | 105 |
| 3753 | Antique Blue-UL VY LT | 416 | 163 | 400 | 157 | 385 | 151 |
| 3756 | Baby Blue-UL VY LT | 2322 | 914 | 2233 | 879 | 2150 | 846 |
| 3761 | Sky Blue-LT | 6 | 2 | 6 | 2 | 5 | 2 |
| 3766 | Peacock Blue-LT | 107 | 42 | 102 | 40 | 99 | 39 |
| 3768 | Gray Green-DK | 14 | 5 | 13 | 5 | 13 | 5 |
| 3770 | Tawny-VY LT | 180 | 71 | 173 | 68 | 167 | 65 |
| 3772 | Desert Sand-VY DK | 14 | 5 | 14 | 5 | 13 | 5 |
| 3782 | Mocha Brown-LT | 412 | 162 | 396 | 156 | 381 | 150 |
| 3787 | Brown Gray-DK | 977 | 384 | 939 | 370 | 905 | 356 |
| 3799 | Pewter Gray-VY DK | 37 | 14 | 36 | 14 | 35 | 13 |
| 3803 | Mauve-MD | 5 | 1 | 5 | 1 | 5 | 1 |
| 3817 | Celadon Green-LT | 48 | 18 | 46 | 17 | 44 | 17 |
| 3828 | Hazelnut Brown | 76 | 30 | 73 | 28 | 71 | 27 |
| 3857 | Rosewood-DK | 357 | 140 | 343 | 135 | 331 | 130 |
| 3860 | Cocoa | 125 | 49 | 120 | 47 | 116 | 45 |
| 3861 | Cocoa-LT | 109 | 42 | 105 | 41 | 101 | 39 |
| 3862 | Mocha Beige-DK | 131 | 51 | 126 | 49 | 121 | 47 |
| 3863 | Mocha Beige-MD | 91 | 35 | 87 | 34 | 84 | 33 |
| 3864 | Mocha Beige-LT | 390 | 153 | 375 | 147 | 361 | 141 |
| 3865 | Winter White | 5112 | 2012 | 4915 | 1935 | 4733 | 1863 |
| 3866 | Mocha Brown-UL VY LT | 717 | 282 | 690 | 271 | 664 | 261 |

| Extended thread usage table. | | | | | | | |
|------------------------------|-----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC | Name | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
| | | 28 | | 30 | | 32 | |
| 1 | White | 87 | 34 | 81 | 32 | 76 | 30 |
| 223 | Shell Pink-LT | 170 | 66 | 158 | 62 | 149 | 58 |
| 300 | Mahogany-VY DK | 568 | 224 | 530 | 209 | 497 | 196 |
| 317 | Pewter Gray | 49 | 19 | 46 | 17 | 43 | 16 |
| 319 | Pistachio Green-VY DK | 77 | 30 | 71 | 28 | 67 | 26 |
| 341 | Blue Violet-LT | 80 | 31 | 74 | 29 | 70 | 27 |
| 368 | Pistachio Green-LT | 337 | 132 | 314 | 124 | 295 | 116 |
| 369 | Pistachio Green-VY LT | 47 | 18 | 44 | 17 | 41 | 16 |
| 370 | Mustard-MD | 235 | 92 | 219 | 86 | 205 | 80 |
| 371 | Mustard | 323 | 127 | 302 | 119 | 283 | 111 |
| 372 | Mustard-LT | 685 | 269 | 639 | 251 | 599 | 236 |
| 415 | Pearl Gray | 483 | 190 | 451 | 178 | 423 | 167 |
| 436 | Tan | 49 | 19 | 46 | 17 | 43 | 16 |
| 451 | Shell Gray-DK | 392 | 154 | 366 | 144 | 343 | 135 |
| 452 | Shell Gray-MD | 628 | 247 | 586 | 230 | 550 | 216 |
| 471 | Avocado Green-VY LT | 22 | 8 | 20 | 8 | 19 | 7 |
| 502 | Blue Green | 77 | 30 | 71 | 28 | 67 | 26 |
| 503 | Blue Green-MD | 42 | 16 | 40 | 15 | 37 | 14 |
| 520 | Fern Green-DK | 326 | 128 | 304 | 119 | 285 | 112 |
| 522 | Fern Green | 59 | 23 | 55 | 21 | 51 | 20 |
| 580 | Moss Green-DK | 185 | 72 | 172 | 67 | 161 | 63 |
| 581 | Moss Green | 53 | 21 | 49 | 19 | 46 | 18 |
| 610 | Drab Brown-DK | 239 | 94 | 223 | 88 | 209 | 82 |
| 611 | Drab Brown | 425 | 167 | 397 | 156 | 372 | 146 |
| 612 | Drab Brown-LT | 357 | 140 | 334 | 131 | 313 | 123 |
| 613 | Drab Brown-VY LT | 208 | 82 | 194 | 76 | 182 | 71 |
| 640 | Beige Gray-VY DK | 370 | 145 | 346 | 136 | 324 | 127 |
| 644 | Beige Gray-MD | 83 | 32 | 77 | 30 | 73 | 28 |
| 645 | Beaver Gray-VY DK | 99 | 39 | 92 | 36 | 87 | 34 |
| 646 | Beaver Gray-DK | 17 | 6 | 16 | 6 | 15 | 6 |
| 647 | Beaver Gray-MD | 40 | 15 | 37 | 14 | 35 | 14 |
| 648 | Beaver Gray-LT | 161 | 63 | 151 | 59 | 141 | 55 |
| 703 | Chartreuse | 56 | 22 | 52 | 20 | 49 | 19 |
| 704 | Chartreuse-BRT | 111 | 43 | 103 | 40 | 97 | 38 |
| 712 | Cream | 3854 | 1517 | 3597 | 1416 | 3372 | 1328 |
| 730 | Olive Green-VY DK | 191 | 75 | 178 | 70 | 167 | 65 |
| 731 | Olive Green-DK | 116 | 46 | 109 | 43 | 102 | 40 |
| 738 | Tan-VY LT | 820 | 323 | 766 | 301 | 718 | 282 |
| 739 | Tan-UL VY LT | 111 | 44 | 104 | 41 | 97 | 38 |
| 746 | Off White | 2748 | 1081 | 2564 | 1009 | 2404 | 946 |
| 747 | Sky Blue-VY LT | 5 | 2 | 5 | 2 | 5 | 2 |
| 762 | Pearl Gray-VY LT | 1684 | 663 | 1572 | 619 | 1474 | 580 |
| 778 | Antique Mauve-VY LT | 119 | 46 | 111 | 43 | 104 | 41 |
| 780 | Topaz-UL VY DK | 21 | 8 | 20 | 7 | 19 | 7 |
| 782 | Topaz-DK | 21 | 8 | 20 | 7 | 19 | 7 |
| 801 | Coffee Brown-DK | 487 | 192 | 455 | 179 | 426 | 168 |
| 829 | Golden Olive-VY DK | 636 | 250 | 593 | 233 | 556 | 219 |
| 830 | Golden Olive-DK | 413 | 162 | 385 | 151 | 361 | 142 |
| 831 | Golden Olive-MD | 734 | 289 | 685 | 269 | 642 | 253 |
| 839 | Beige Brown-DK | 145 | 57 | 136 | 53 | 127 | 50 |
| 840 | Beige Brown-MD | 20 | 8 | 19 | 7 | 17 | 7 |
| 842 | Beige Brown-VY LT | 505 | 199 | 471 | 185 | 442 | 174 |
| 844 | Beaver Brown-UL DK | 313 | 123 | 292 | 115 | 274 | 107 |
| 869 | Hazelnut Brown-VY DK | 51 | 20 | 47 | 19 | 44 | 17 |

| | | | | | | | |
|------|-----------------------|------|------|------|------|------|------|
| 895 | Hunter Green-VY DK | 294 | 116 | 275 | 108 | 258 | 101 |
| 898 | Coffee Brown-VY DK | 339 | 133 | 316 | 124 | 296 | 116 |
| 927 | Gray Green-LT | 184 | 72 | 172 | 67 | 161 | 63 |
| 928 | Gray Green-VY LT | 320 | 125 | 298 | 117 | 280 | 110 |
| 931 | Antique Blue-MD | 107 | 42 | 100 | 39 | 93 | 37 |
| 932 | Antique Blue-LT | 880 | 346 | 821 | 323 | 770 | 303 |
| 936 | Avocado Green-VY DK | 355 | 140 | 331 | 130 | 311 | 122 |
| 937 | Avocado Green-MD | 116 | 45 | 108 | 42 | 101 | 39 |
| 938 | Coffee Brown-UL DK | 475 | 186 | 443 | 174 | 416 | 163 |
| 948 | Peach-VY LT | 78 | 30 | 73 | 28 | 68 | 26 |
| 950 | Desert Sand-LT | 1140 | 449 | 1064 | 419 | 998 | 393 |
| 951 | Tawny-LT | 661 | 260 | 617 | 242 | 578 | 227 |
| 955 | Nile Green-LT | 73 | 28 | 68 | 26 | 64 | 25 |
| 988 | Forest Green-MD | 278 | 109 | 260 | 102 | 244 | 96 |
| 989 | Forest Green | 153 | 60 | 143 | 56 | 134 | 52 |
| 3012 | Khaki Green-MD | 312 | 122 | 291 | 114 | 273 | 107 |
| 3013 | Khaki Green-LT | 67 | 26 | 62 | 24 | 59 | 23 |
| 3021 | Brown Gray-VY DK | 165 | 64 | 154 | 60 | 144 | 56 |
| 3024 | Brown Gray-VY LT | 564 | 222 | 527 | 207 | 494 | 194 |
| 3031 | Mocha Brown-VY DK | 557 | 219 | 520 | 205 | 488 | 192 |
| 3032 | Mocha Brown-MD | 271 | 107 | 253 | 100 | 237 | 93 |
| 3045 | Yellow Beige-DK | 71 | 28 | 66 | 26 | 62 | 24 |
| 3046 | Yellow Beige-MD | 19 | 7 | 18 | 7 | 17 | 6 |
| 3051 | Green Gray-DK | 883 | 347 | 824 | 324 | 772 | 304 |
| 3052 | Green Gray-MD | 39 | 15 | 36 | 14 | 34 | 13 |
| 3053 | Green Gray | 186 | 73 | 174 | 68 | 163 | 64 |
| 3072 | Beaver Gray-VY LT | 813 | 320 | 758 | 298 | 711 | 280 |
| 3345 | Hunter Green-DK | 196 | 77 | 183 | 72 | 172 | 68 |
| 3346 | Hunter Green | 314 | 123 | 293 | 115 | 275 | 108 |
| 3348 | Yellow Green-LT | 157 | 62 | 146 | 58 | 137 | 54 |
| 3363 | Pine Green-MD | 444 | 174 | 414 | 163 | 388 | 152 |
| 3371 | Black Brown | 1439 | 566 | 1343 | 529 | 1259 | 496 |
| 3722 | Shell Pink-MD | 5 | 1 | 4 | 1 | 4 | 1 |
| 3726 | Antique Mauve-DK | 212 | 83 | 197 | 77 | 185 | 73 |
| 3752 | Antique Blue-VY LT | 257 | 101 | 239 | 94 | 224 | 88 |
| 3753 | Antique Blue-UL VY LT | 372 | 146 | 347 | 136 | 325 | 128 |
| 3756 | Baby Blue-UL VY LT | 2073 | 816 | 1935 | 761 | 1814 | 714 |
| 3761 | Sky Blue-LT | 5 | 2 | 5 | 2 | 5 | 2 |
| 3766 | Peacock Blue-LT | 95 | 37 | 89 | 35 | 83 | 33 |
| 3768 | Gray Green-DK | 12 | 5 | 11 | 4 | 11 | 4 |
| 3770 | Tawny-VY LT | 161 | 63 | 150 | 59 | 141 | 55 |
| 3772 | Desert Sand-VY DK | 13 | 5 | 12 | 4 | 11 | 4 |
| 3782 | Mocha Brown-LT | 368 | 145 | 343 | 135 | 322 | 127 |
| 3787 | Brown Gray-DK | 872 | 343 | 814 | 320 | 763 | 300 |
| 3799 | Pewter Gray-VY DK | 33 | 13 | 31 | 12 | 29 | 11 |
| 3803 | Mauve-MD | 5 | 1 | 4 | 1 | 4 | 1 |
| 3817 | Celadon Green-LT | 42 | 16 | 40 | 15 | 37 | 14 |
| 3828 | Hazelnut Brown | 68 | 26 | 64 | 25 | 60 | 23 |
| 3857 | Rosewood-DK | 319 | 125 | 298 | 117 | 279 | 110 |
| 3860 | Cocoa | 112 | 44 | 104 | 41 | 98 | 38 |
| 3861 | Cocoa-LT | 98 | 38 | 91 | 35 | 86 | 33 |
| 3862 | Mocha Beige-DK | 117 | 46 | 109 | 43 | 102 | 40 |
| 3863 | Mocha Beige-MD | 81 | 32 | 76 | 29 | 71 | 28 |
| 3864 | Mocha Beige-LT | 348 | 136 | 325 | 127 | 304 | 119 |
| 3865 | Winter White | 4564 | 1797 | 4260 | 1677 | 3994 | 1572 |
| 3866 | Mocha Brown-UL VY LT | 640 | 252 | 598 | 235 | 560 | 221 |

(15)

(16)

(17)

(18)

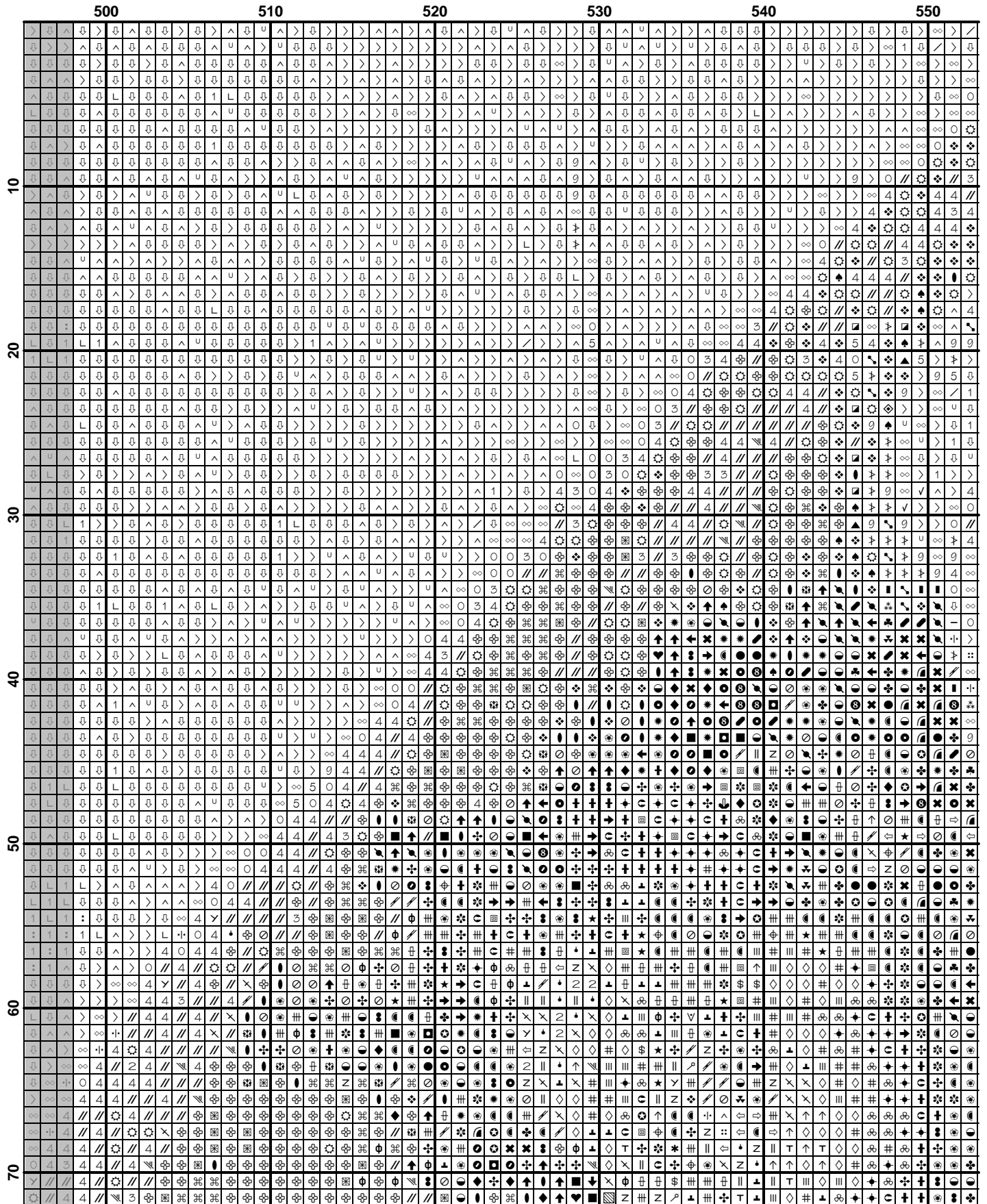
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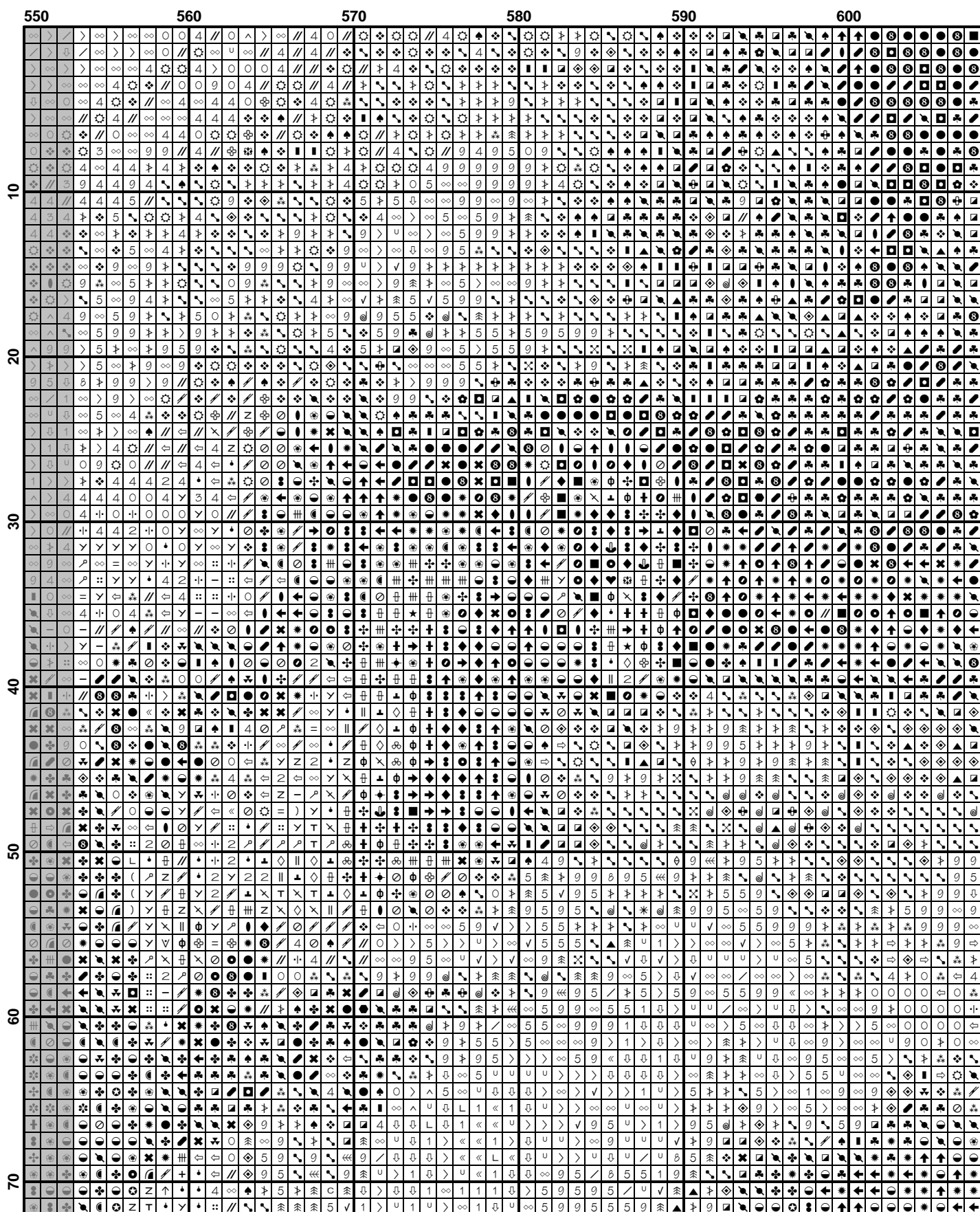
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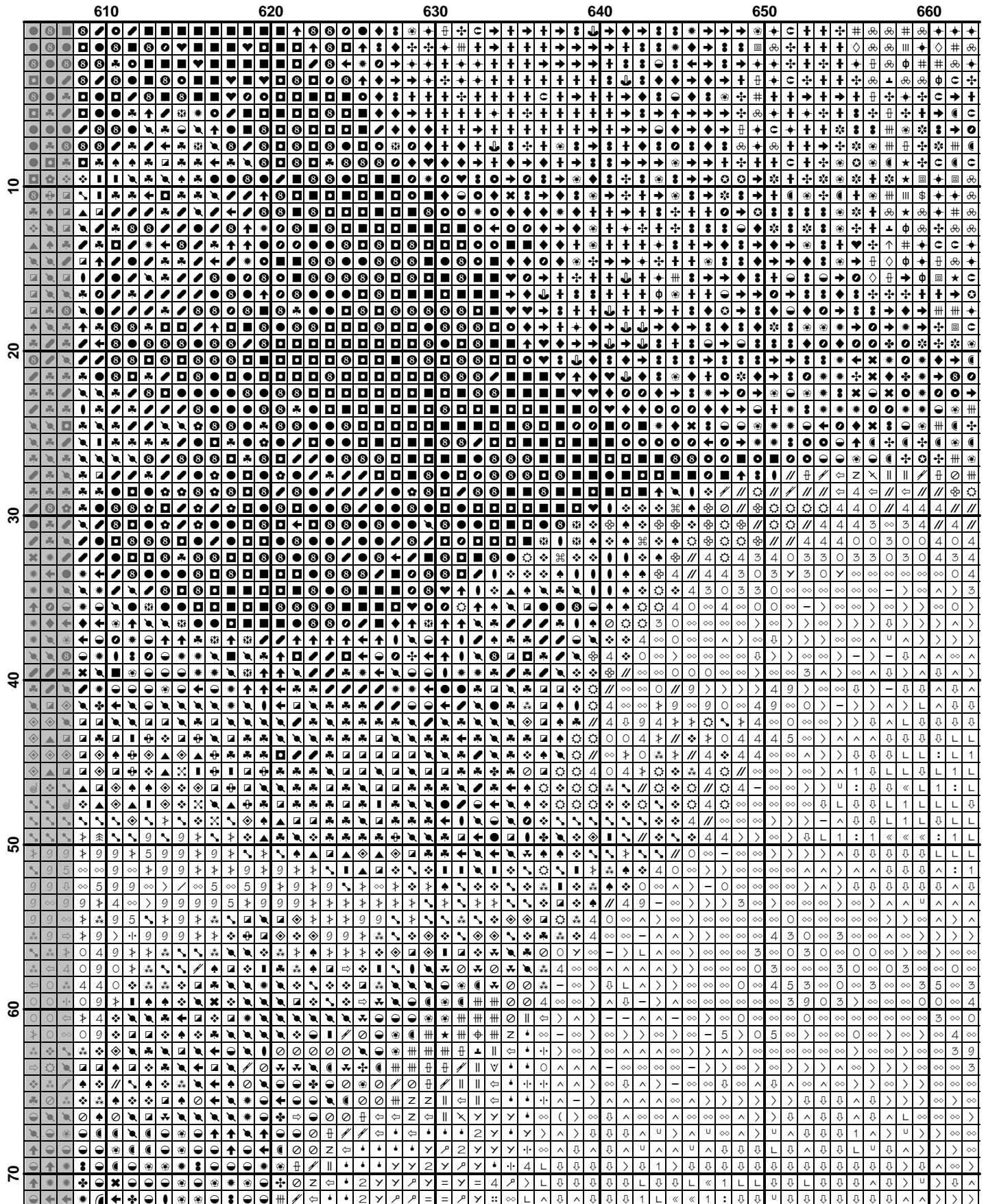
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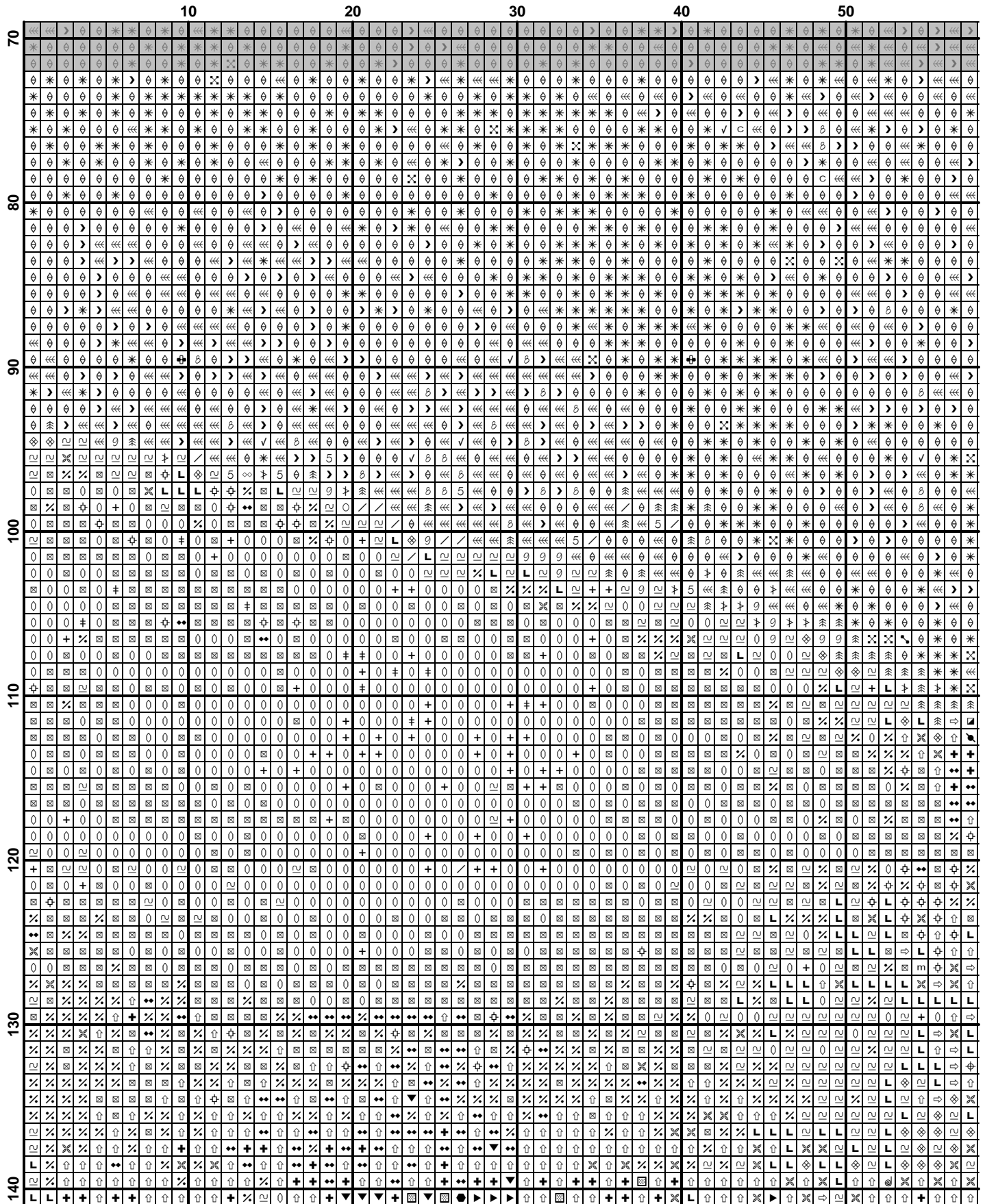
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| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
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| 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 |
| 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 |
| 67 | 68 | 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 | 77 | 78 |
| 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | 105 | 106 | 107 | 108 |
| 109 | 110 | 111 | 112 | 113 | 114 |
| 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 |
| 127 | 128 | 129 | 130 | 131 | 132 |
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| 139 | 140 | 141 | 142 | 143 | 144 |
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| 637 | 638 | 639 | 640 | 641 | 642 |
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| 661 | 662 | 663 | 664 | 665 | 666 |
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| 763 | 764 | 765 | 766 | 767 | 768 |
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| 859 | 860 | 861 | 862 | 863 | 864 |
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| 973 | 974 | 975 | 976 | 977 | 978 |
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| 991 | 992 | 993 | 994 | 995 | 996 |
| 997 | 998 | 999 | 1000 | 1001 | 1002 |
| 1003 | 1004 | 1005 | 1006 | 1007 | 1008 |
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| 1039 | 1040 | 1041 | 1042 | 1043 | 1044 |
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| 1081 | 1082 | 1083 | 1084 | 1085 | 1086 |
| 1087 | 1088 | 1089 | 1090 | 1091 | 1092 |
| 1093 | 1094 | 1095 | 1096 | 1097 | 1098 |
| 1099 | 1100 | 1101 | 1102 | 1103 | 1104 |
| 1105 | 1106 | 1107 | 1108 | 1109 | 1110 |
| 1111 | 1112 | 1113 | 1114 | 1115 | 1116 |
| 1117 | 1118 | 1119 | 1120 | 1121 | 1122 |
| 1123 | 1124 | 1125 | 1126 | 1127 | 1128 |
| 1129 | 1130 | 1131 | 1132 | 1133 | 1134 |
| 1135 | 1136 | 1137 | 1138 | 1139 | 1140 |
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| 1159 | 1160 | 1161 | 1162 | 1163 | 1164 |
| 1165 | 1166 | 1167 | 1168 | 1169 | 1170 |
| 1171 | 1172 | 1173 | 1174 | 1175 | 1176 |
| 1177 | 1178 | 1179 | 1180 | 1181 | 1182 |
| 1183 | 1184 | 1185 | 1186 | 1187 | 1188 |
| 1189 | 1190 | 1191 | 1192 | 1193 | 1194 |
| 1195 | 1196 | 1197 | 1198 | 1199 | 1200 |
| 1201 | 1202 | 1203 | 1204 | 1205 | 1206 |
| 1207 | 1208 | 1209 | 1210 | 1211 | 1212 |
| 1213 | 1214 | 1215 | 1216 | 1217 | 1218 |
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| 1231 | 1232 | 1233 | 1234 | 1235 | 1236 |
| 1237 | 1238 | 1239 | 1240 | 1241 | 1242 |
| 1243 | 1244 | 1245 | 1246 | 1247 | 1248 |
| 1249 | 1250 | 1251 | 1252 | 1253 | 1254 |
| 1255 | 1256 | 1257 | 1258 | 1259 | 1260 |
| 1261 | 1262 | 1263 | 1264 | 1265 | 1266 |
| 1267 | 1268 | 1269 | 1270 | 1271 | 1272 |
| 1273 | 1274 | 1275 | 1276 | 1277 | 1278 |
| 1279 | 1280 | 1281 | 1282 | 1283 | 1284 |
| 1285 | 1286 | 1287 | 1288 | 1289 | 1290 |
| 1291 | 1292 | 1293 | 1294 | 1295 | 1296 |
| 1297 | 1298 | 1299 | 1300 | 1301 | 1302 |
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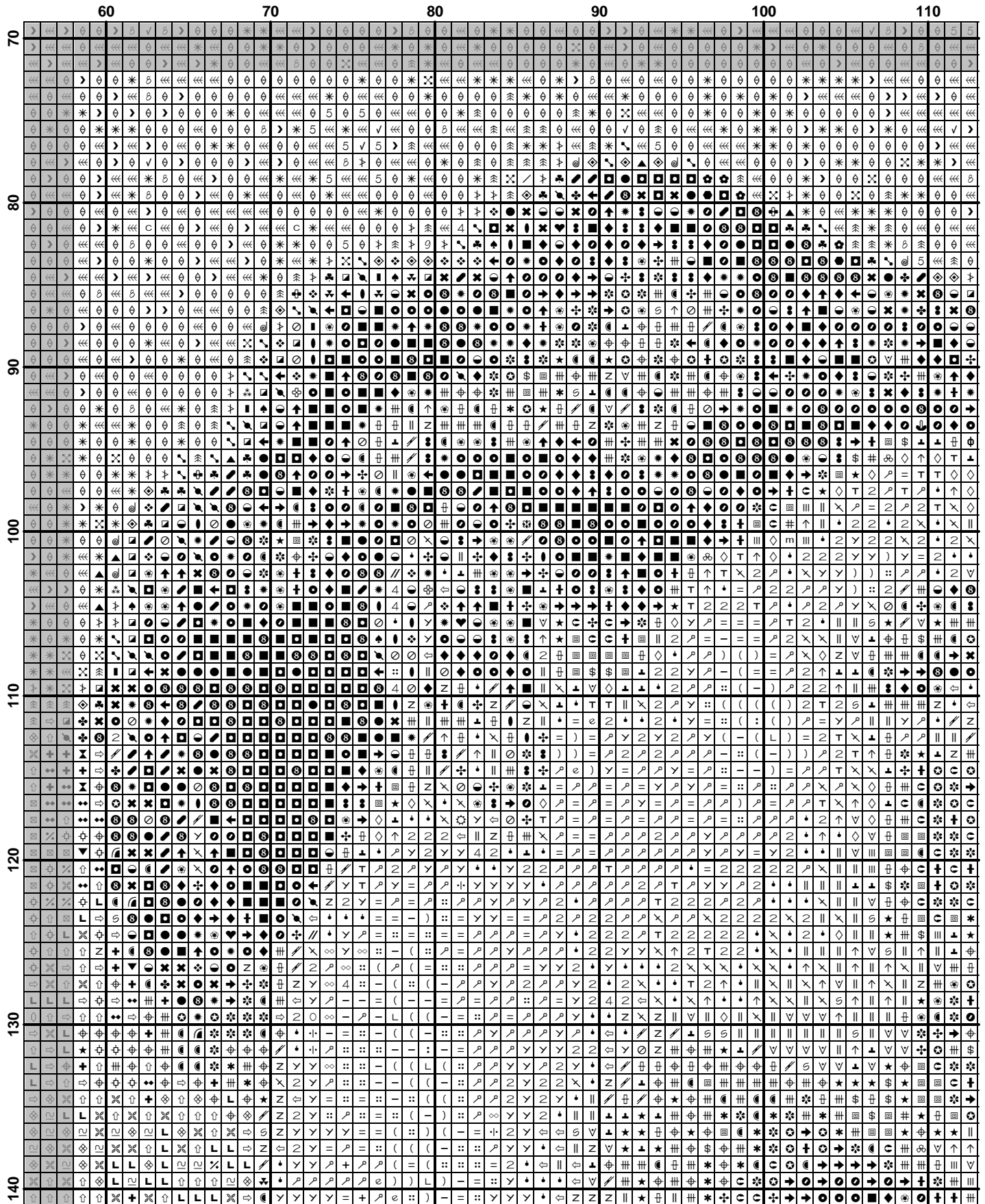












(30)

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

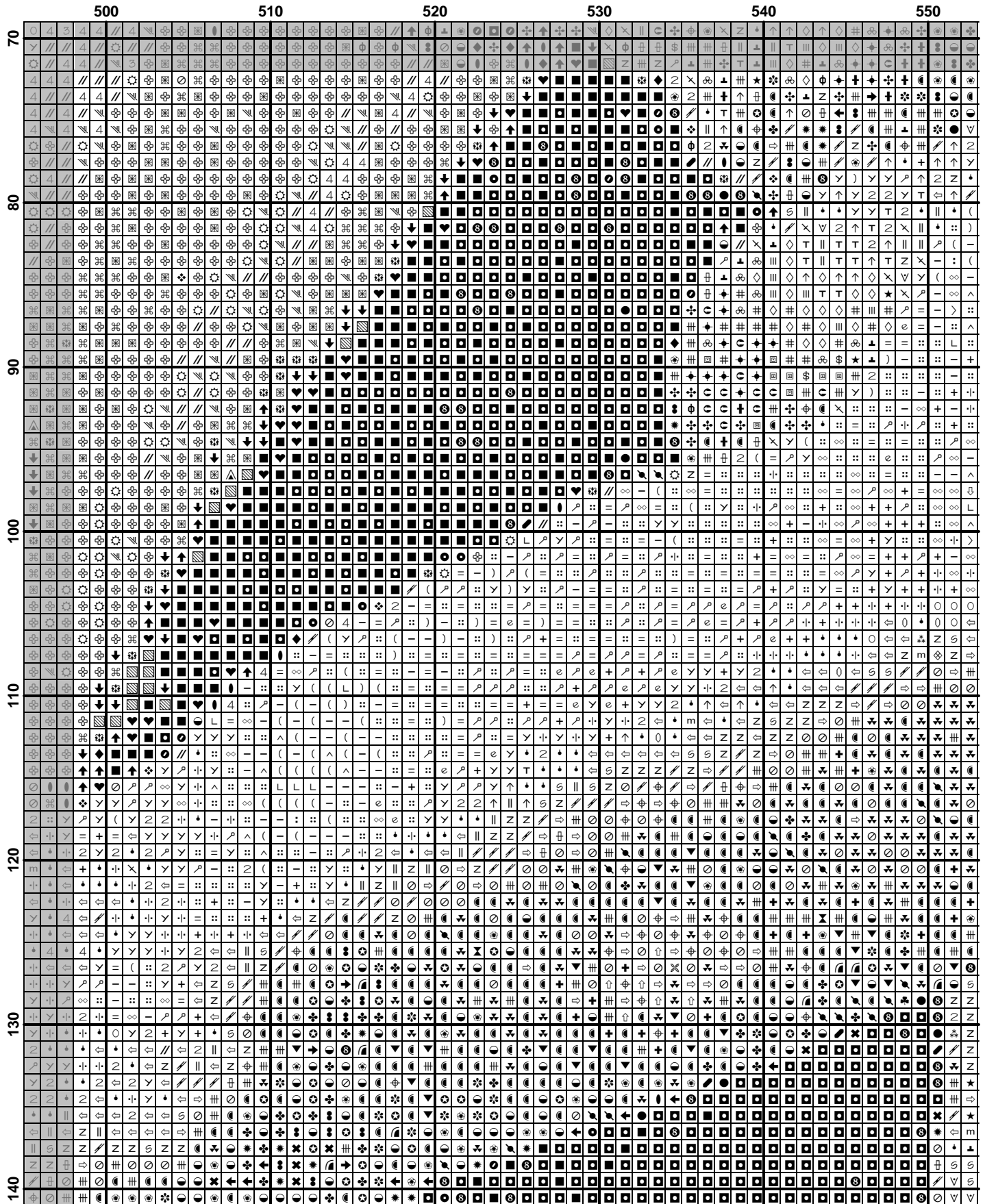
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(34)

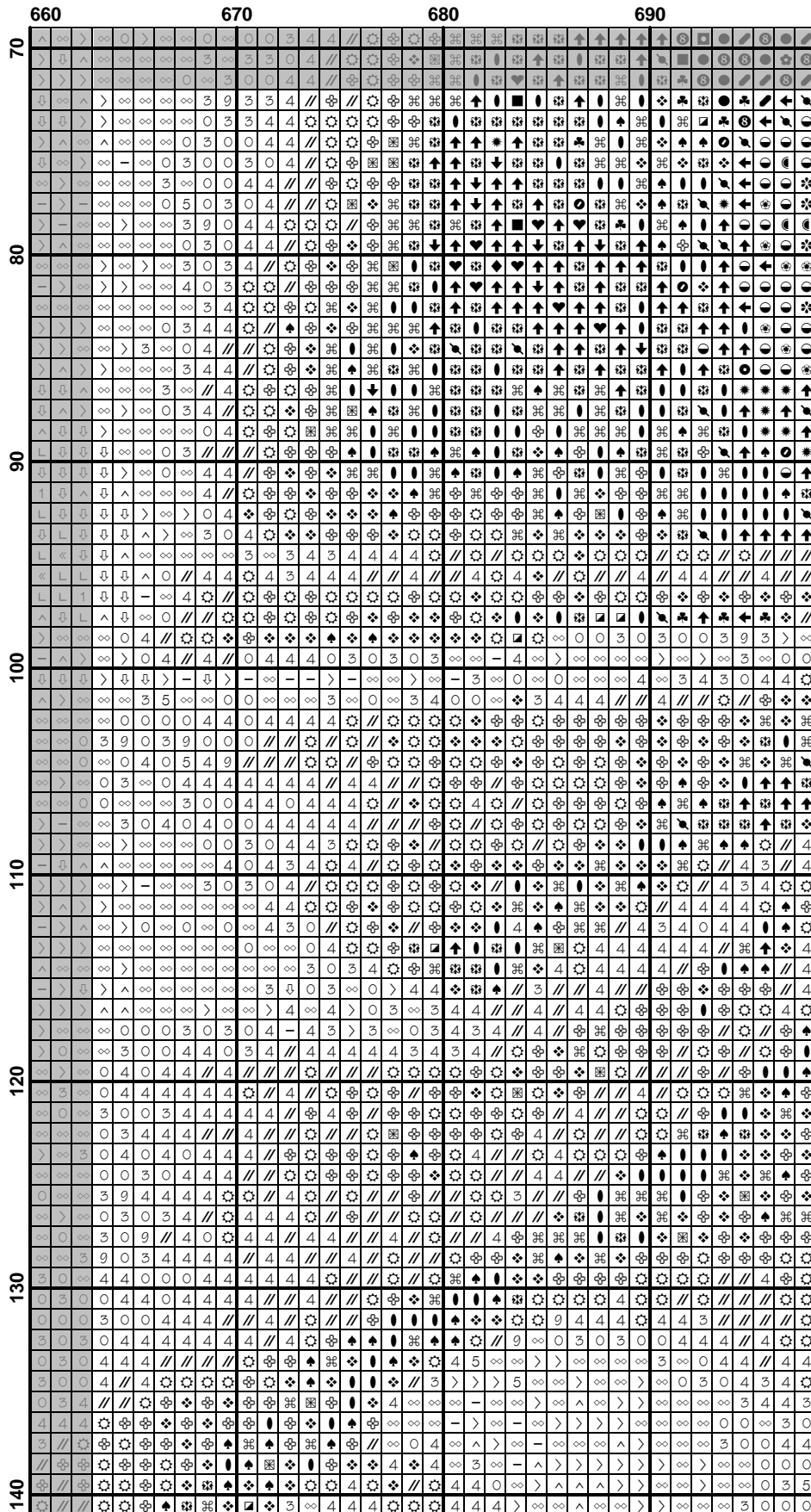
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| 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 110 | 110 | 110 | 110 | 110 | 110 | 110 |
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(36)



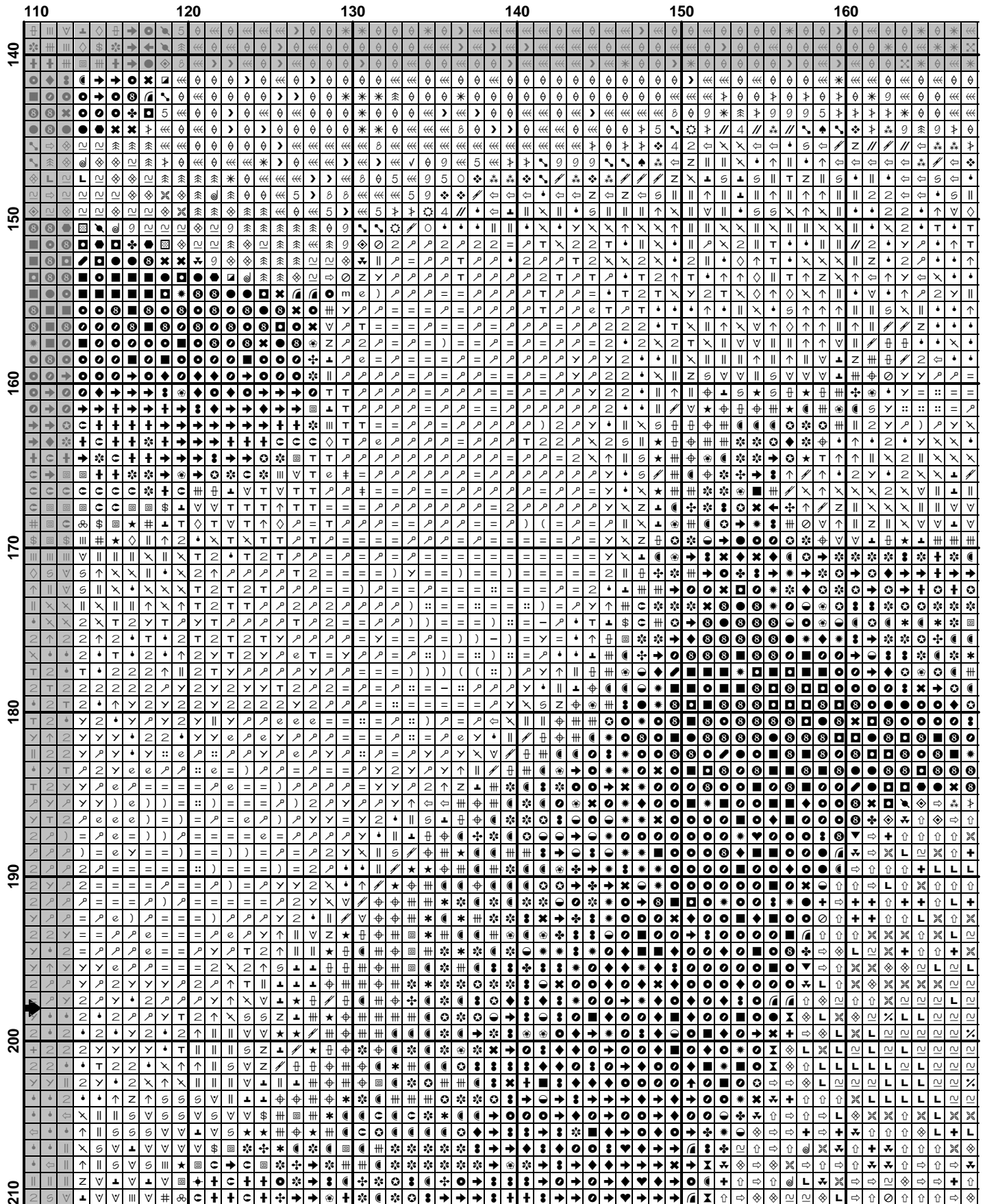
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| 110 | ... | ... | ... | ... | ... | ... |
| 120 | ... | ... | ... | ... | ... | ... |
| 130 | ... | ... | ... | ... | ... | ... |
| 140 | ... | ... | ... | ... | ... | ... |

| | 610 | 620 | 630 | 640 | 650 | 660 |
|-----|-----|-----|-----|-----|-----|-----|
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| 80 | 6 | 7 | 8 | 9 | 10 | 11 |
| 90 | 12 | 13 | 14 | 15 | 16 | 17 |
| 100 | 18 | 19 | 20 | 21 | 22 | 23 |
| 110 | 24 | 25 | 26 | 27 | 28 | 29 |
| 120 | 30 | 31 | 32 | 33 | 34 | 35 |
| 130 | 36 | 37 | 38 | 39 | 40 | 41 |
| 140 | 42 | 43 | 44 | 45 | 46 | 47 |



| | 10 | 20 | 30 | 40 | 50 |
|-----|----|----|----|----|----|
| 140 | L | L | L | L | L |
| 141 | L | L | L | L | L |
| 142 | L | L | L | L | L |
| 143 | L | L | L | L | L |
| 144 | L | L | L | L | L |
| 145 | L | L | L | L | L |
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(42)



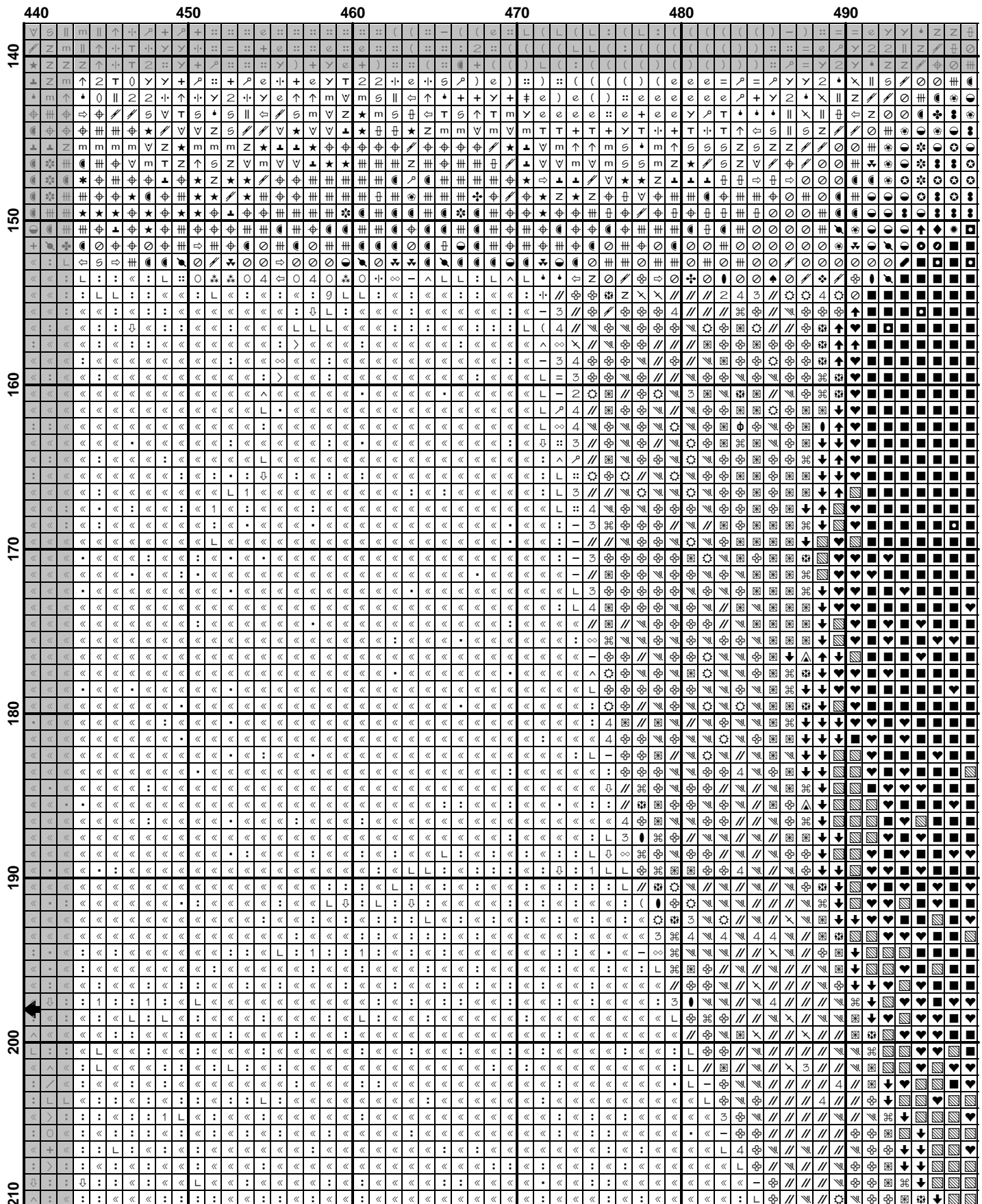
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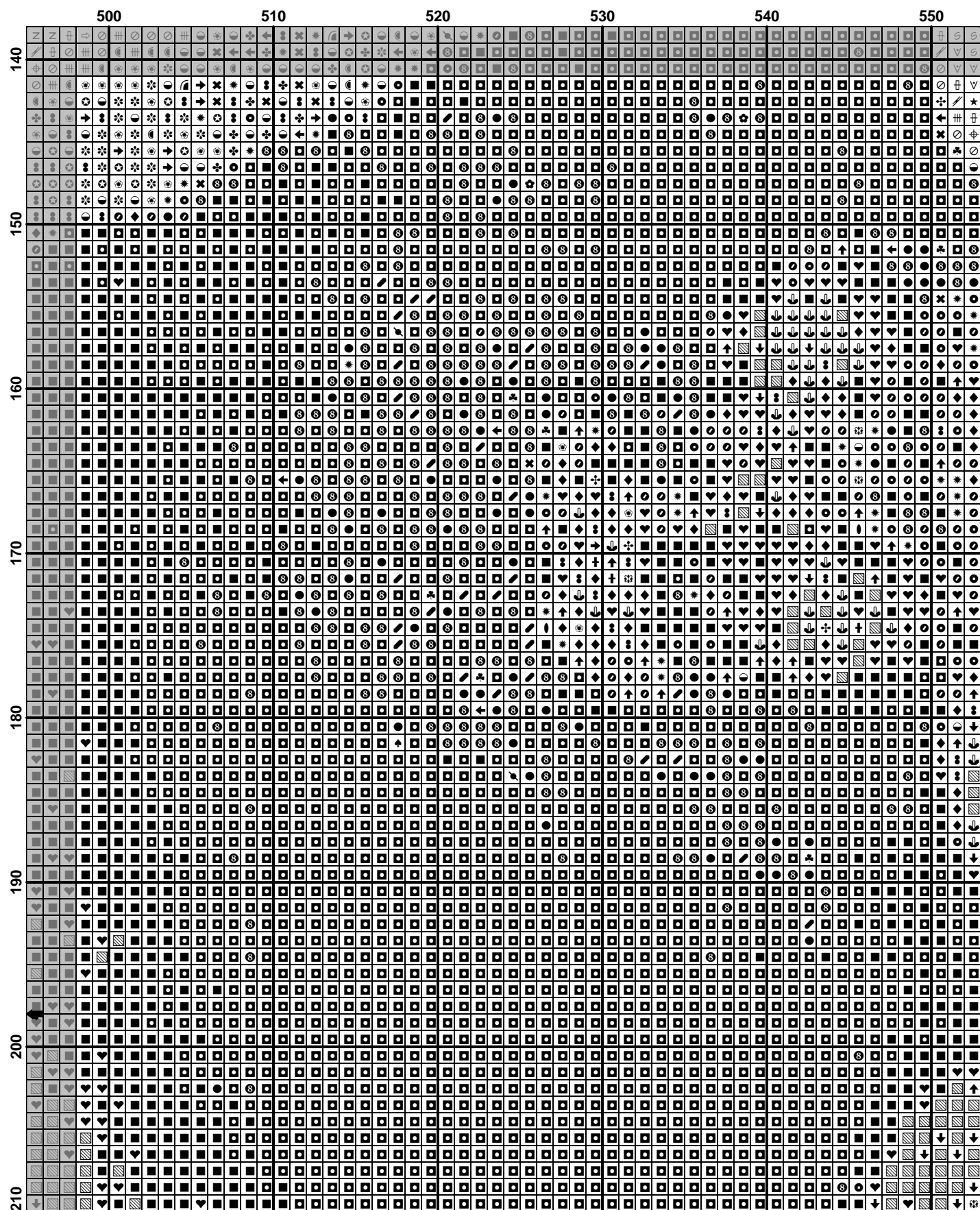
(45)

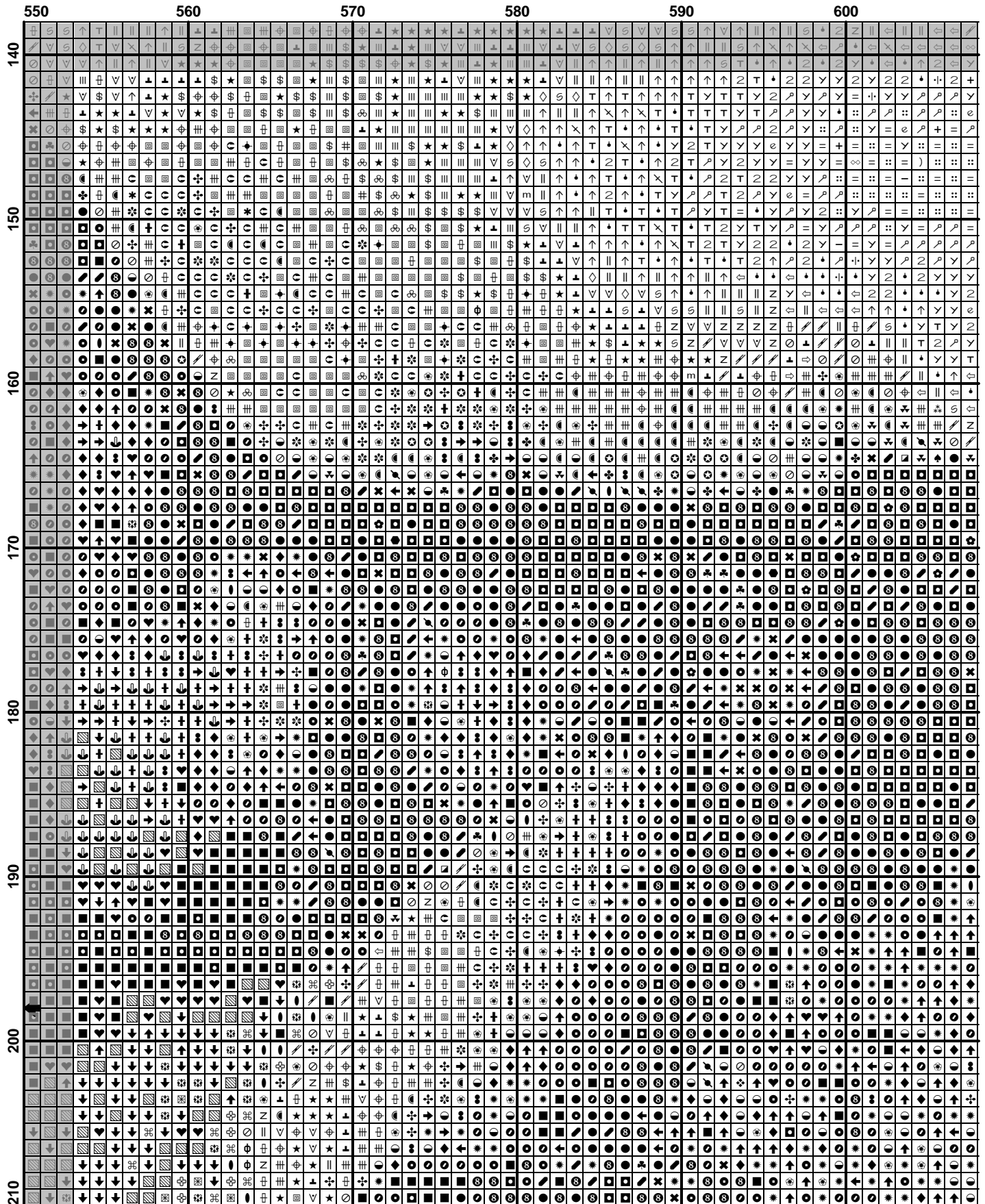
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| 150 | Y | Y | Y | Y | Y | Y |
| 160 | Y | Y | Y | Y | Y | Y |
| 170 | Y | Y | Y | Y | Y | Y |
| 180 | Y | Y | Y | Y | Y | Y |
| 190 | Y | Y | Y | Y | Y | Y |
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| 210 | Y | Y | Y | Y | Y | Y |

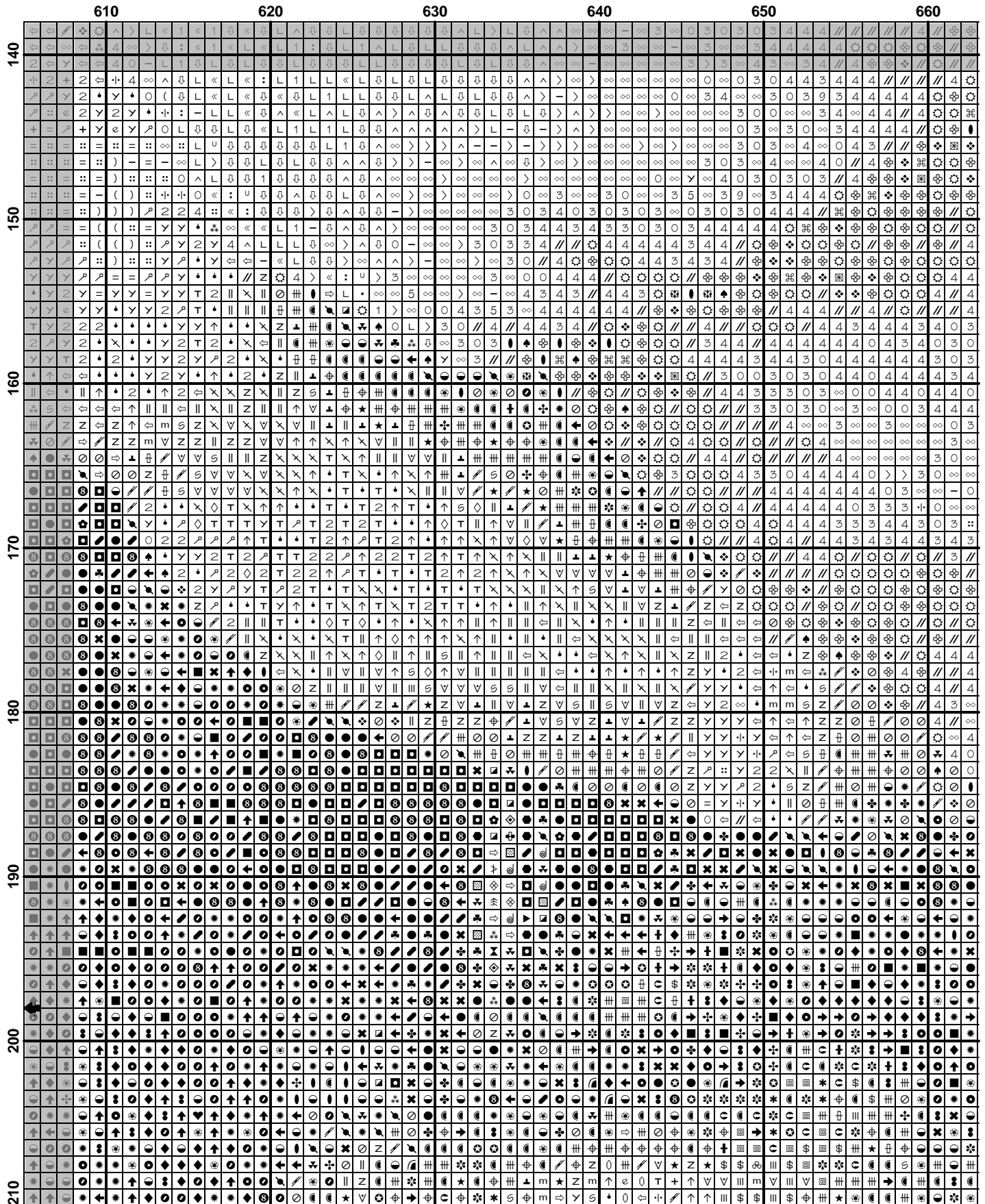
(47)

$$(47) \quad \text{---} \quad (48)$$

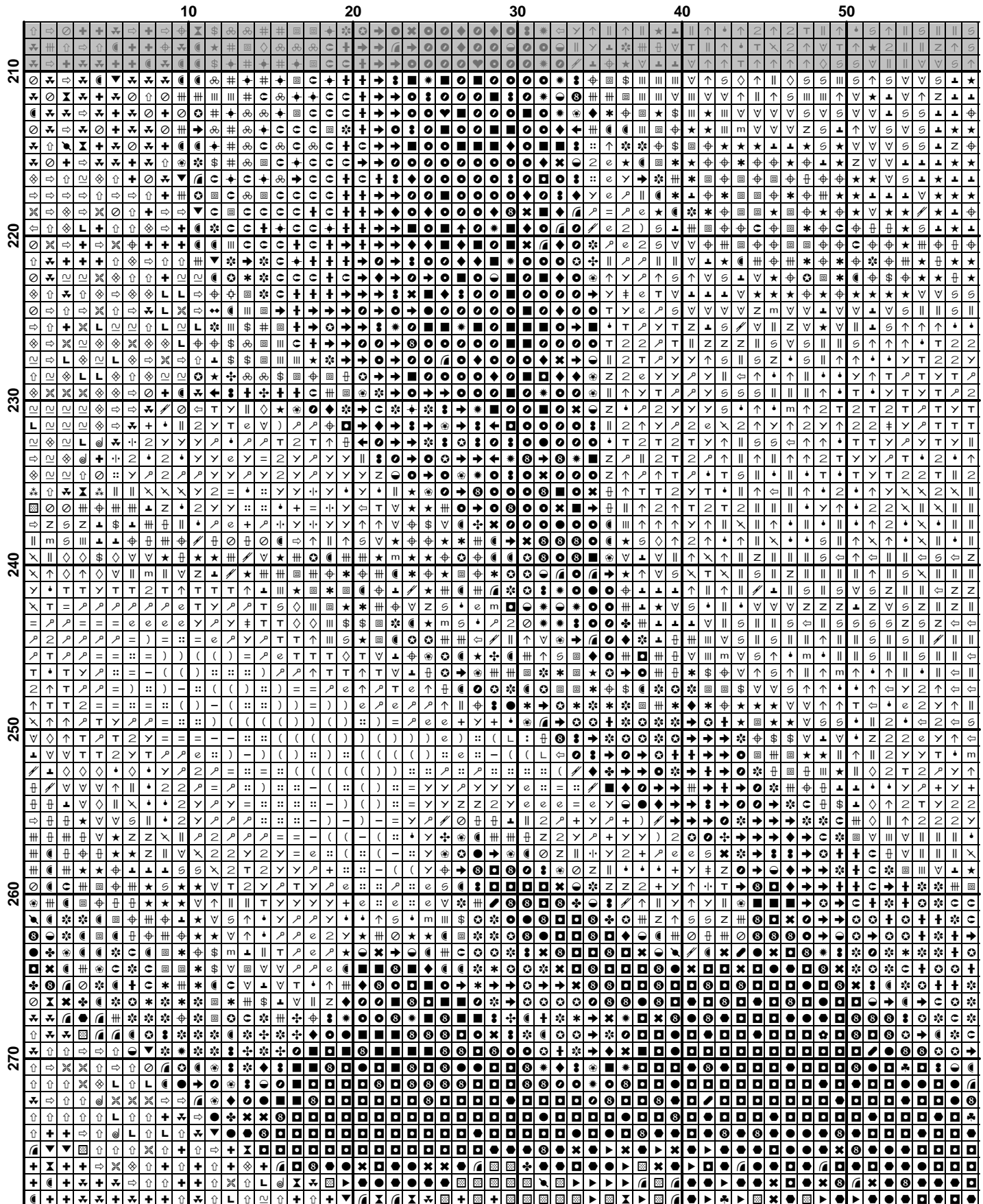




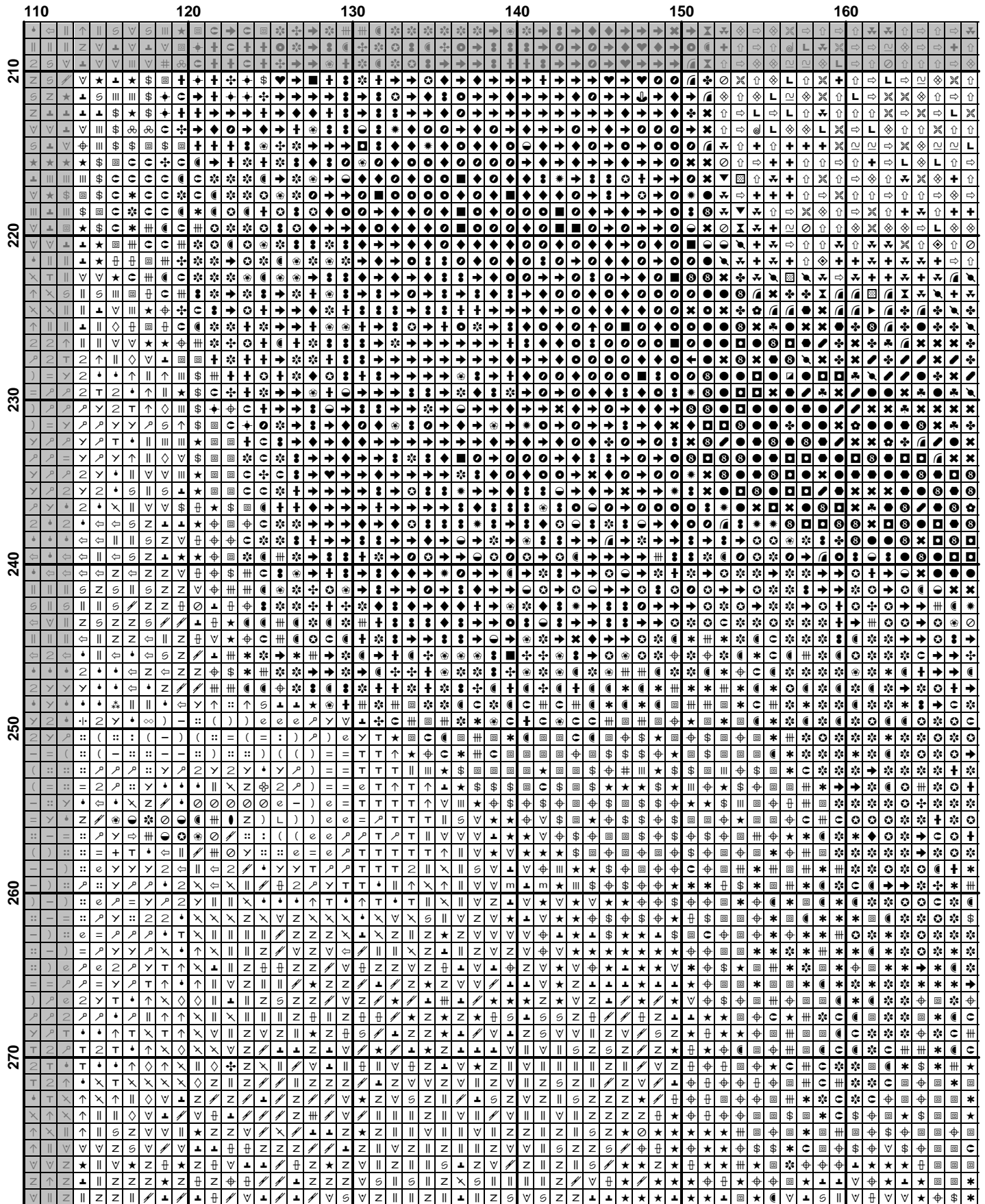






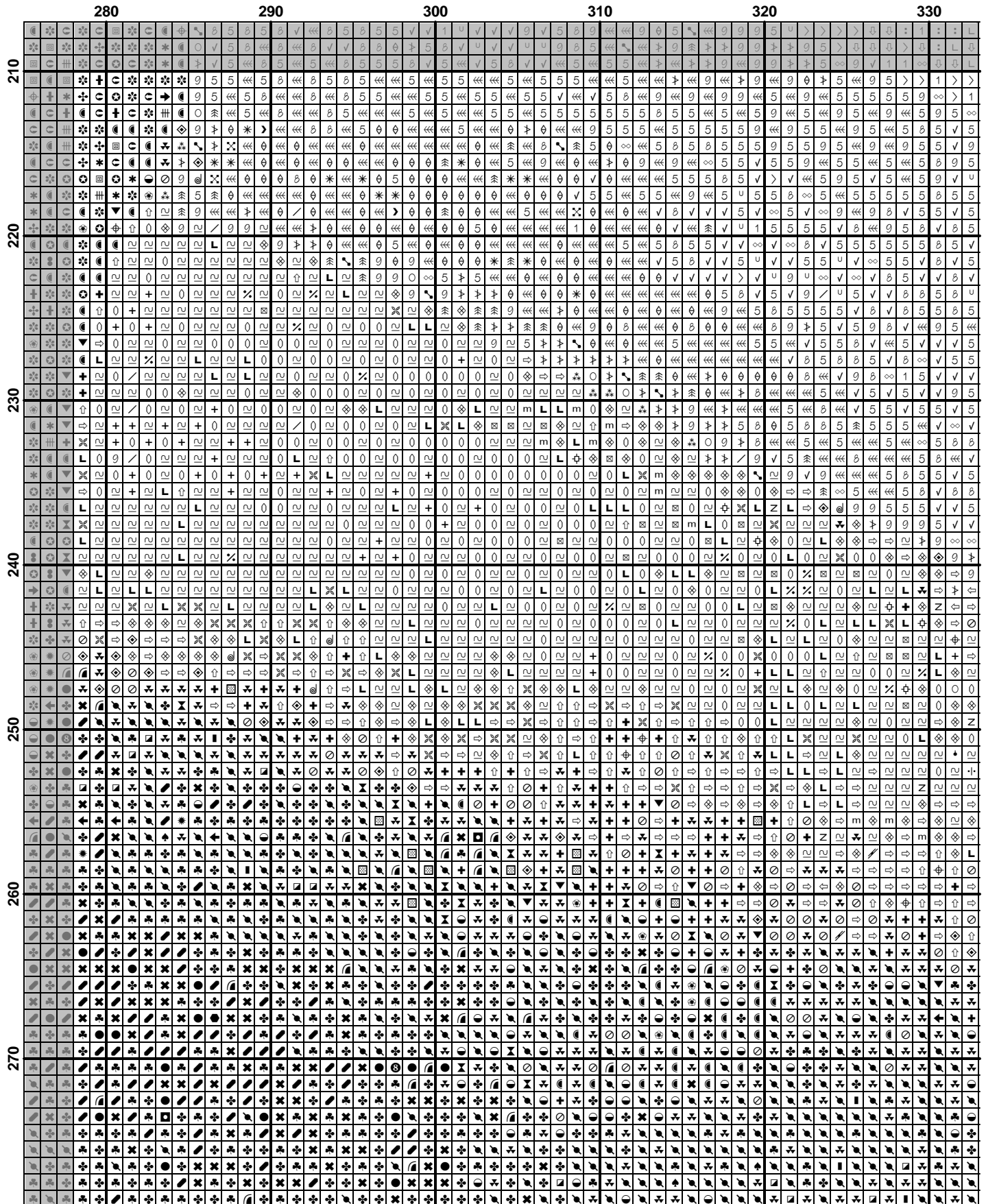


(55)



| | 170 | 180 | 190 | 200 | 210 | 220 |
|-----|-----|-----|-----|-----|-----|-----|
| 210 | | | | | | |
| 220 | | | | | | |
| 230 | | | | | | |
| 240 | | | | | | |
| 250 | | | | | | |
| 260 | | | | | | |
| 270 | | | | | | |

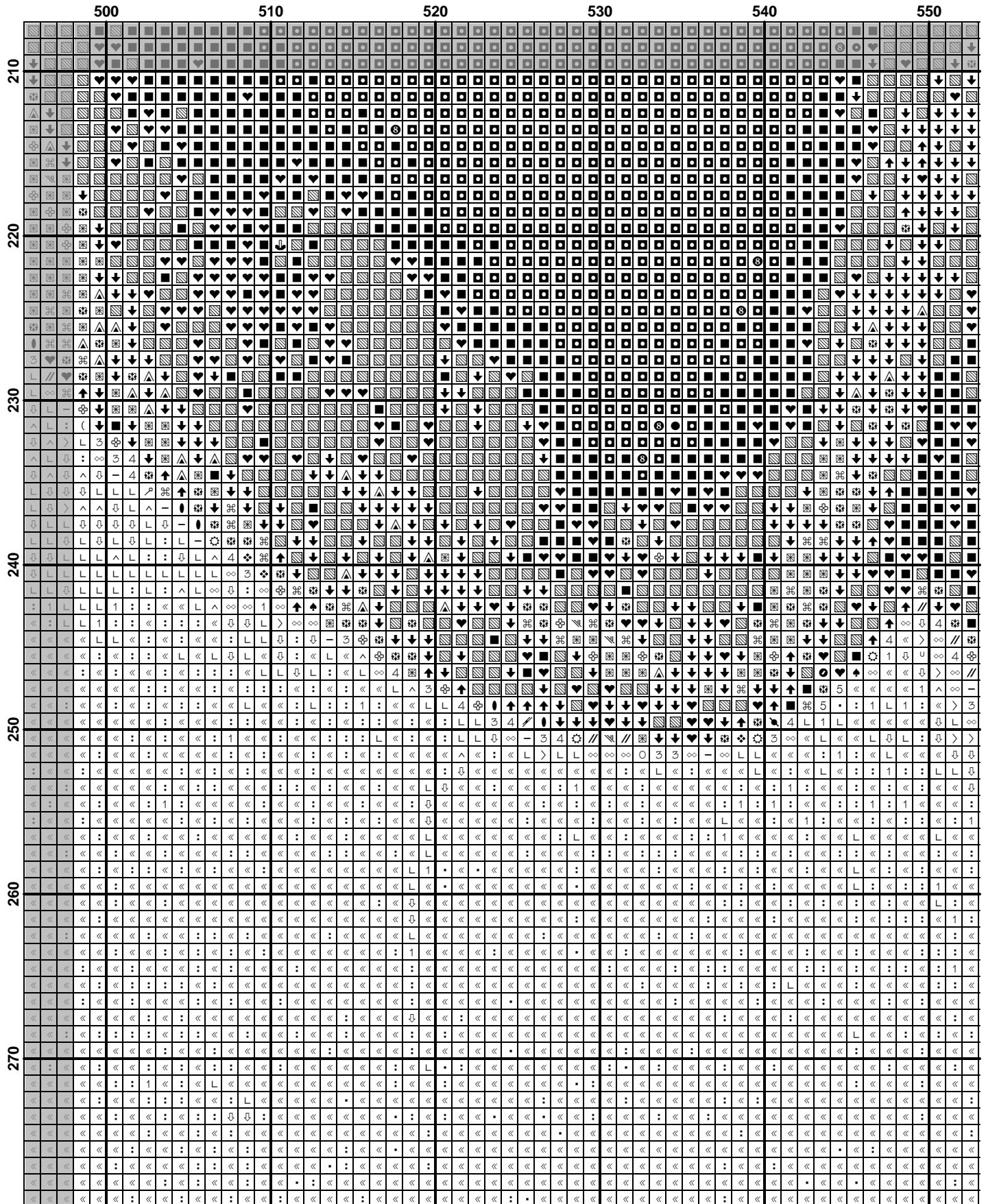
(58)

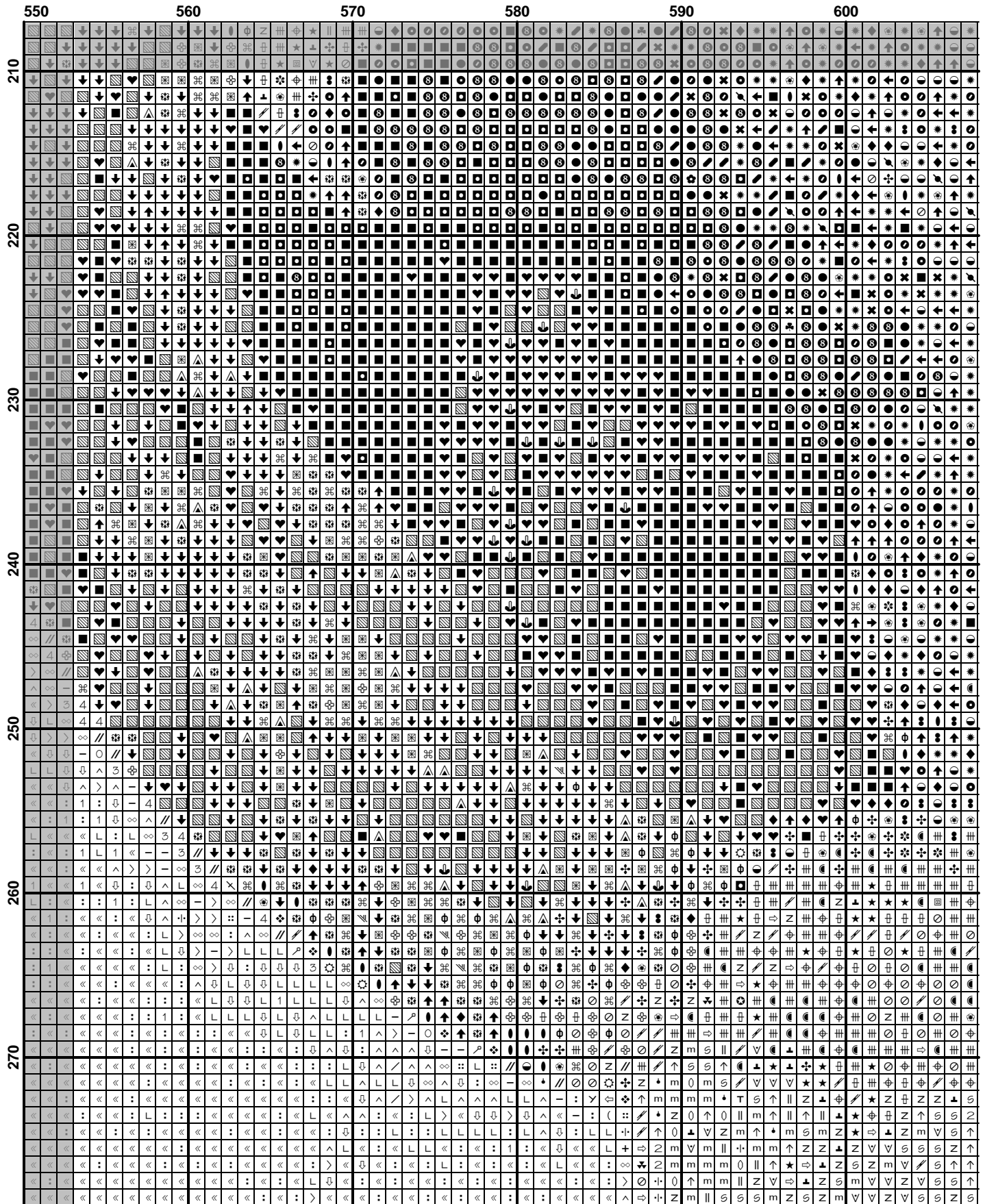


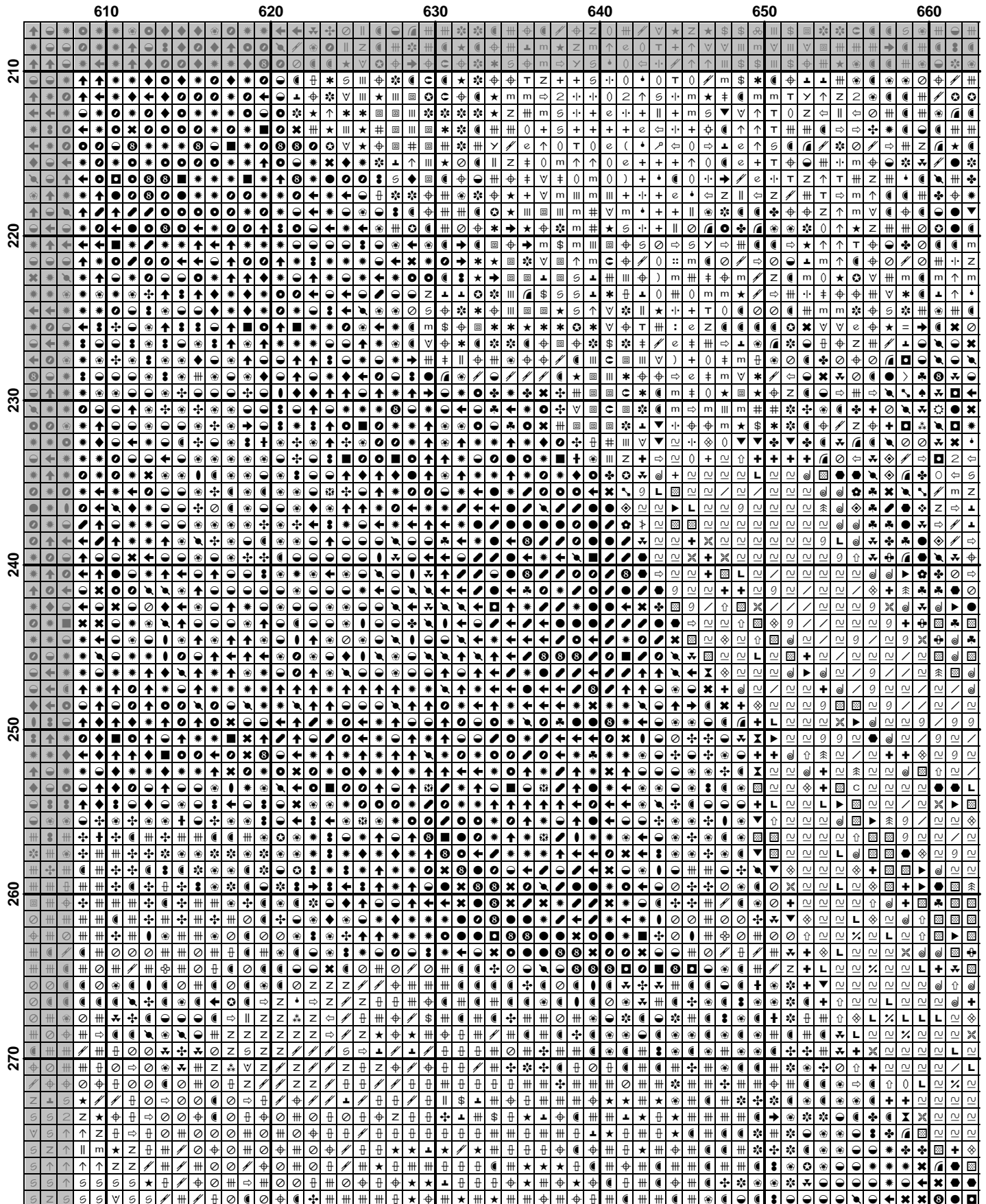
| | 330 | 340 | 350 | 360 | 370 | 380 |
|-----|-----|-----|-----|-----|-----|-----|
| 210 | 1 | 2 | 3 | 4 | 5 | 6 |
| 220 | 7 | 8 | 9 | 10 | 11 | 12 |
| 230 | 13 | 14 | 15 | 16 | 17 | 18 |
| 240 | 19 | 20 | 21 | 22 | 23 | 24 |
| 250 | 25 | 26 | 27 | 28 | 29 | 30 |
| 260 | 31 | 32 | 33 | 34 | 35 | 36 |
| 270 | 37 | 38 | 39 | 40 | 41 | 42 |

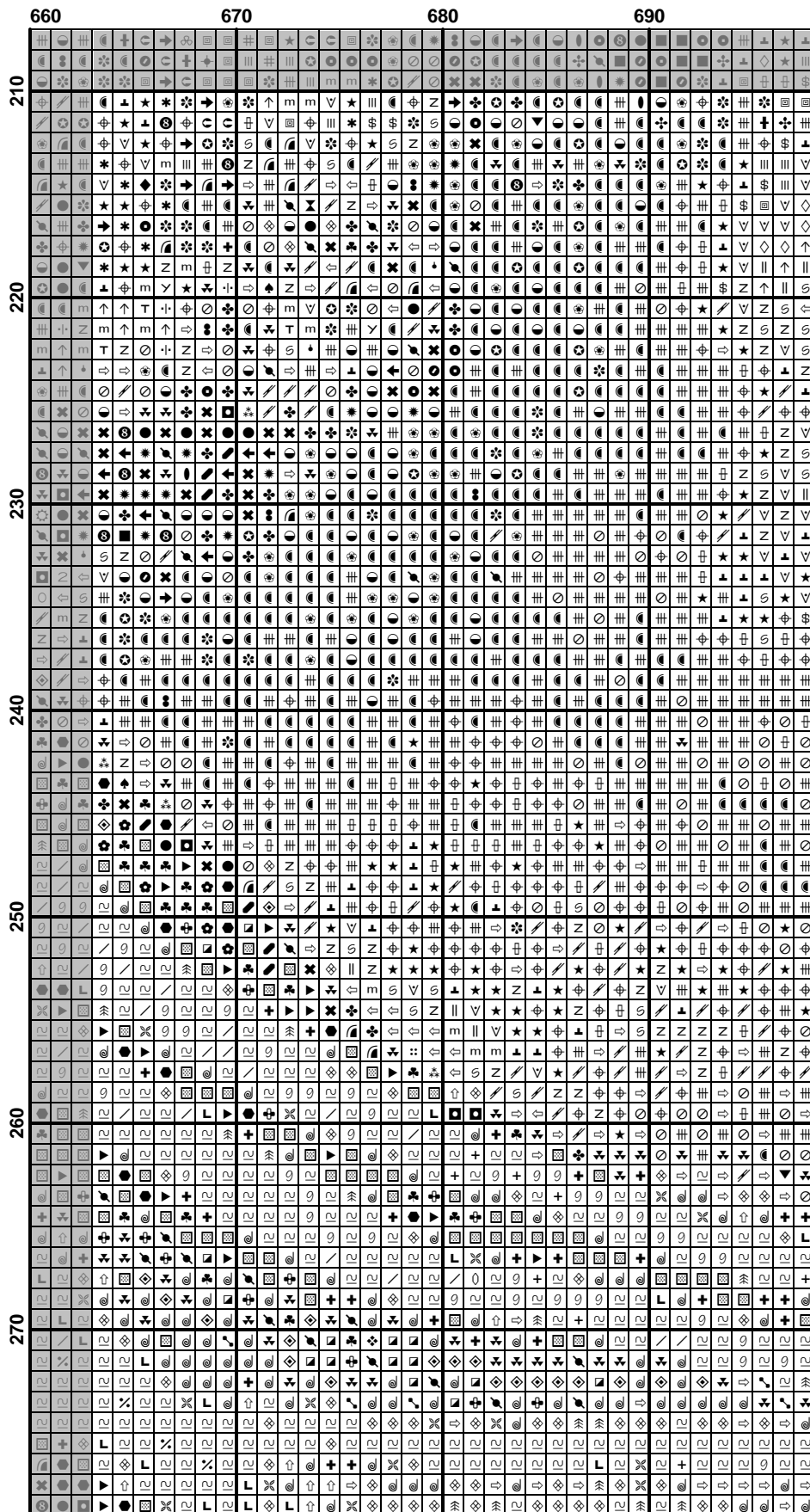
(61)

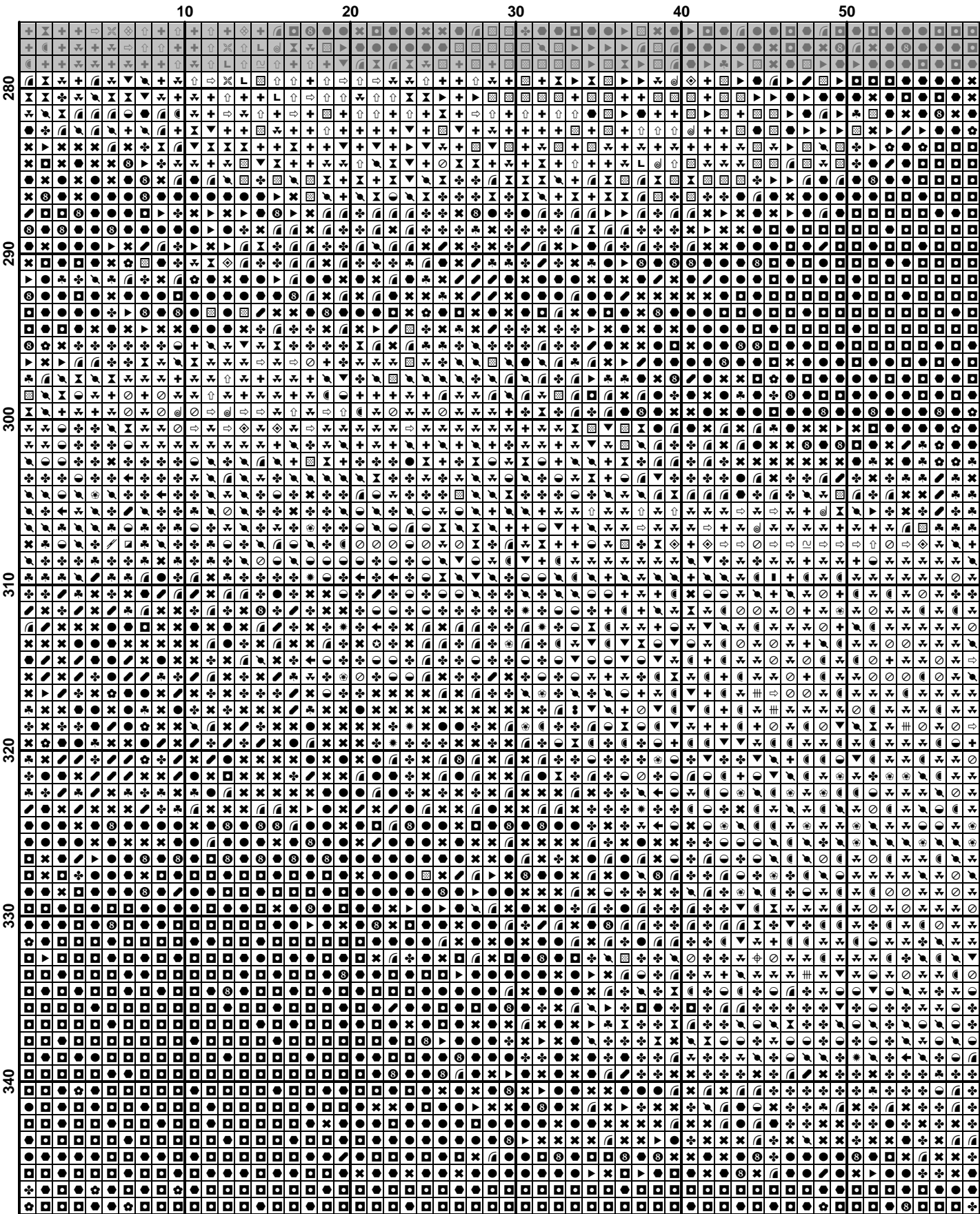
| | 440 | 450 | 460 | 470 | 480 | 490 |
|-----|-----|-----|-----|-----|-----|-----|
| 210 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |
| 220 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |
| 230 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |
| 240 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |
| 250 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |
| 260 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |
| 270 | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ | ⬇ |

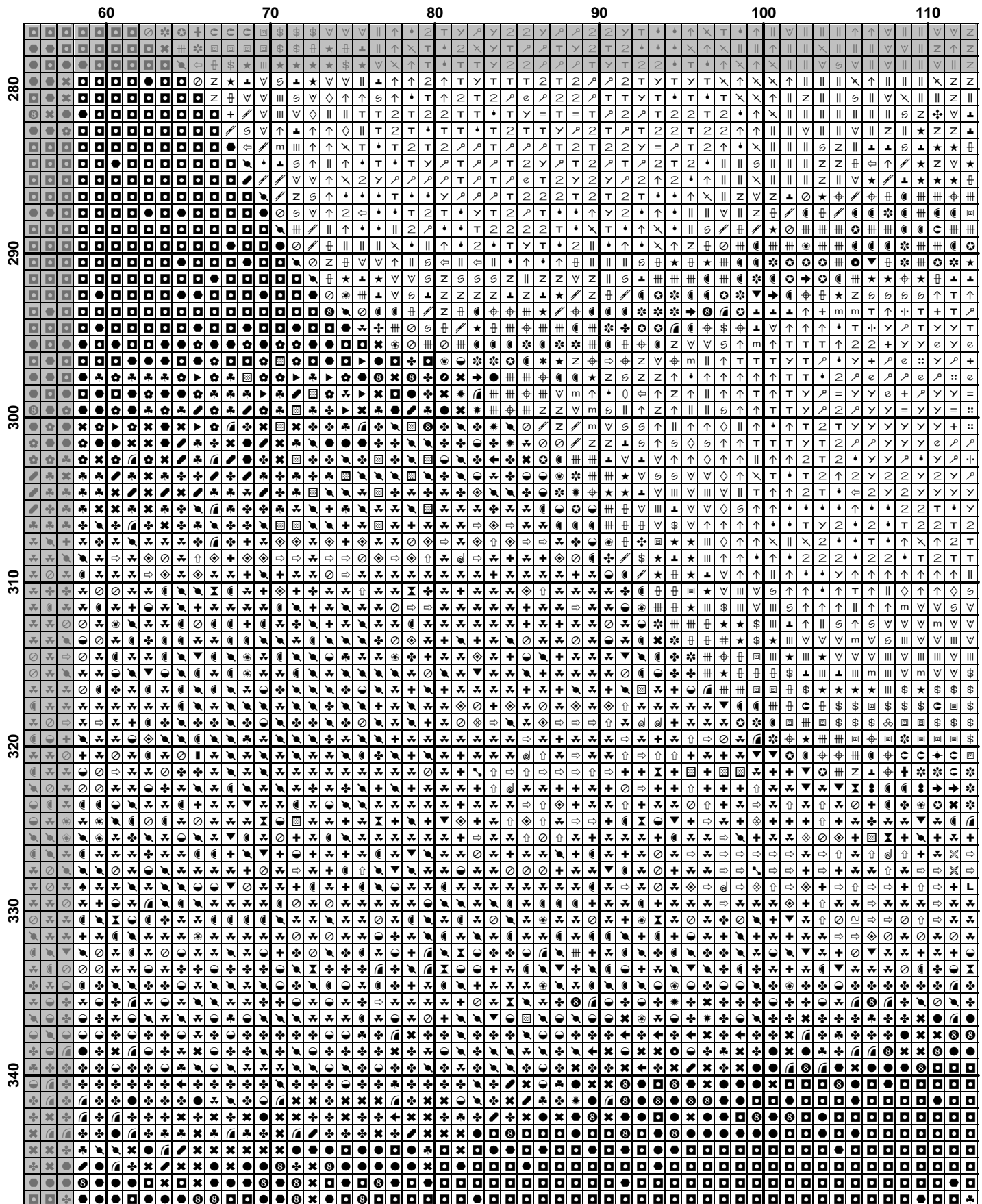


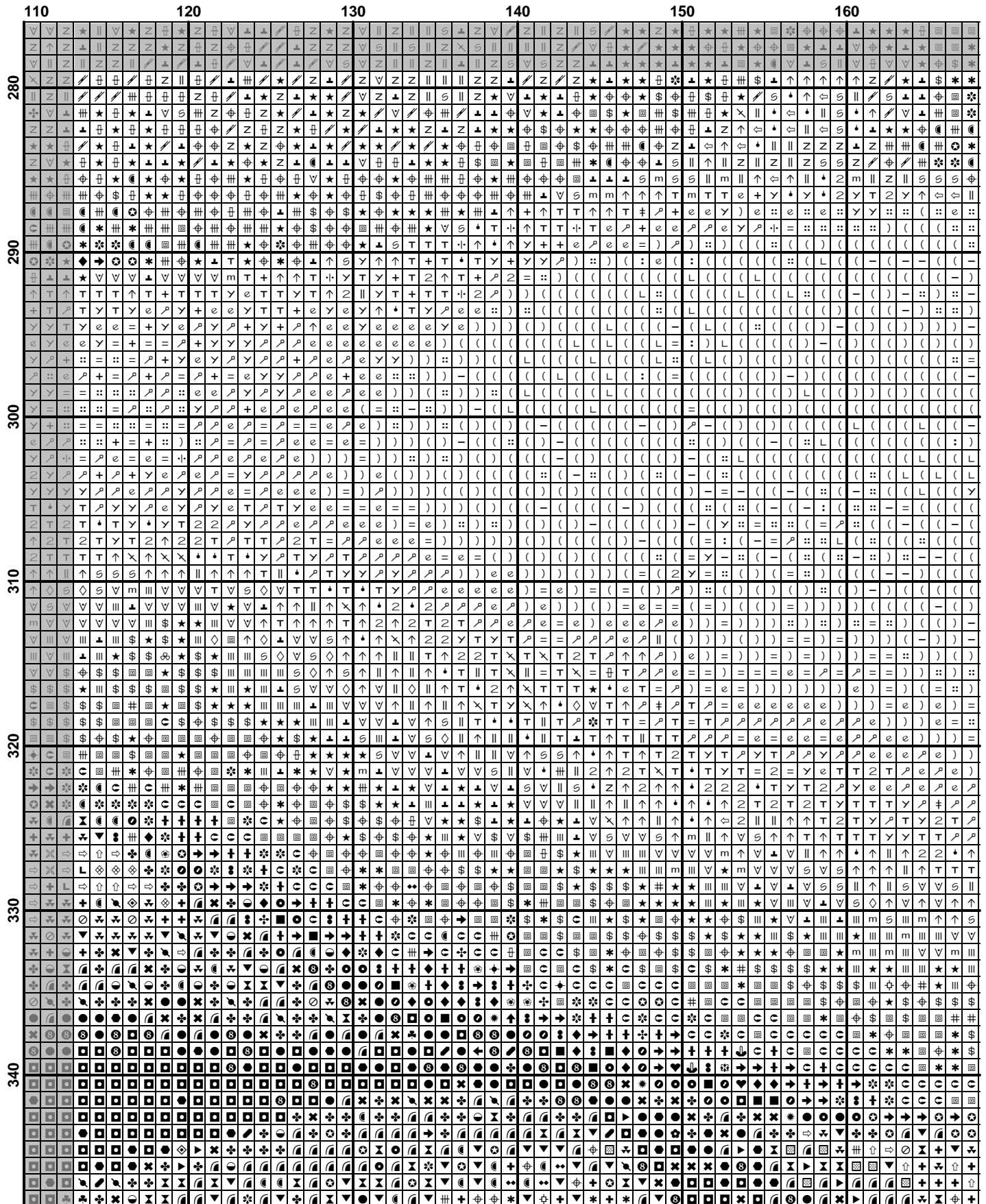


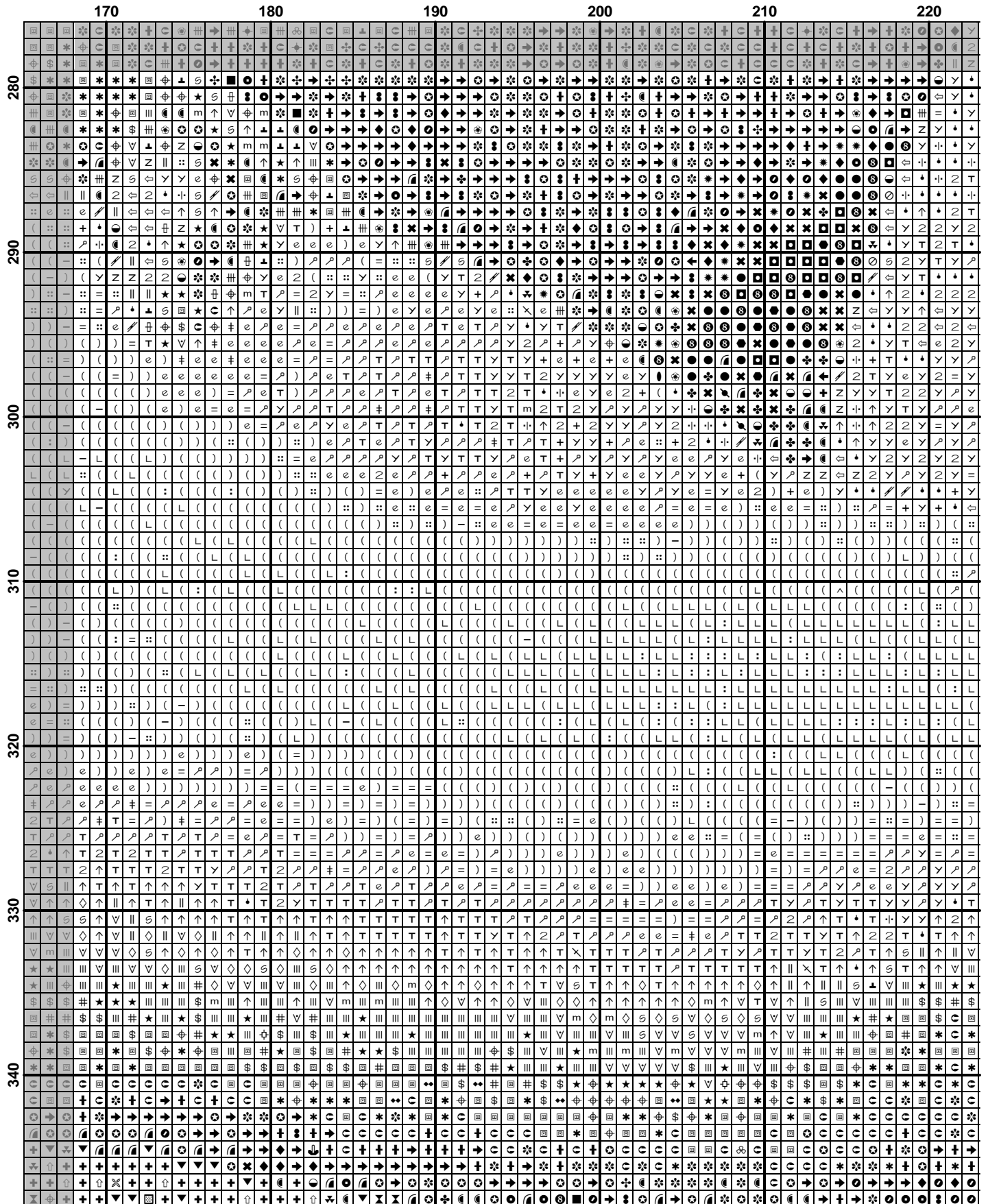


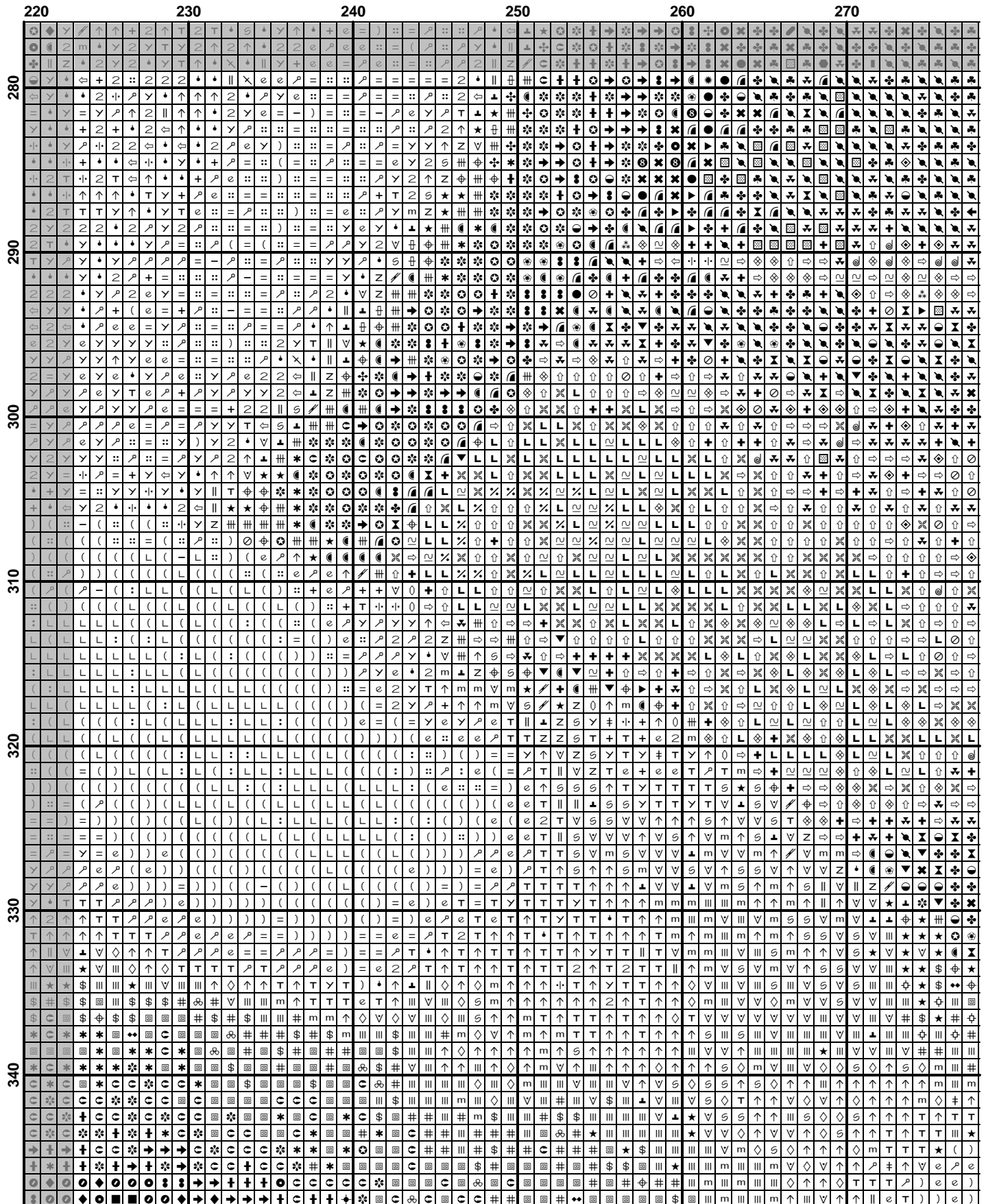


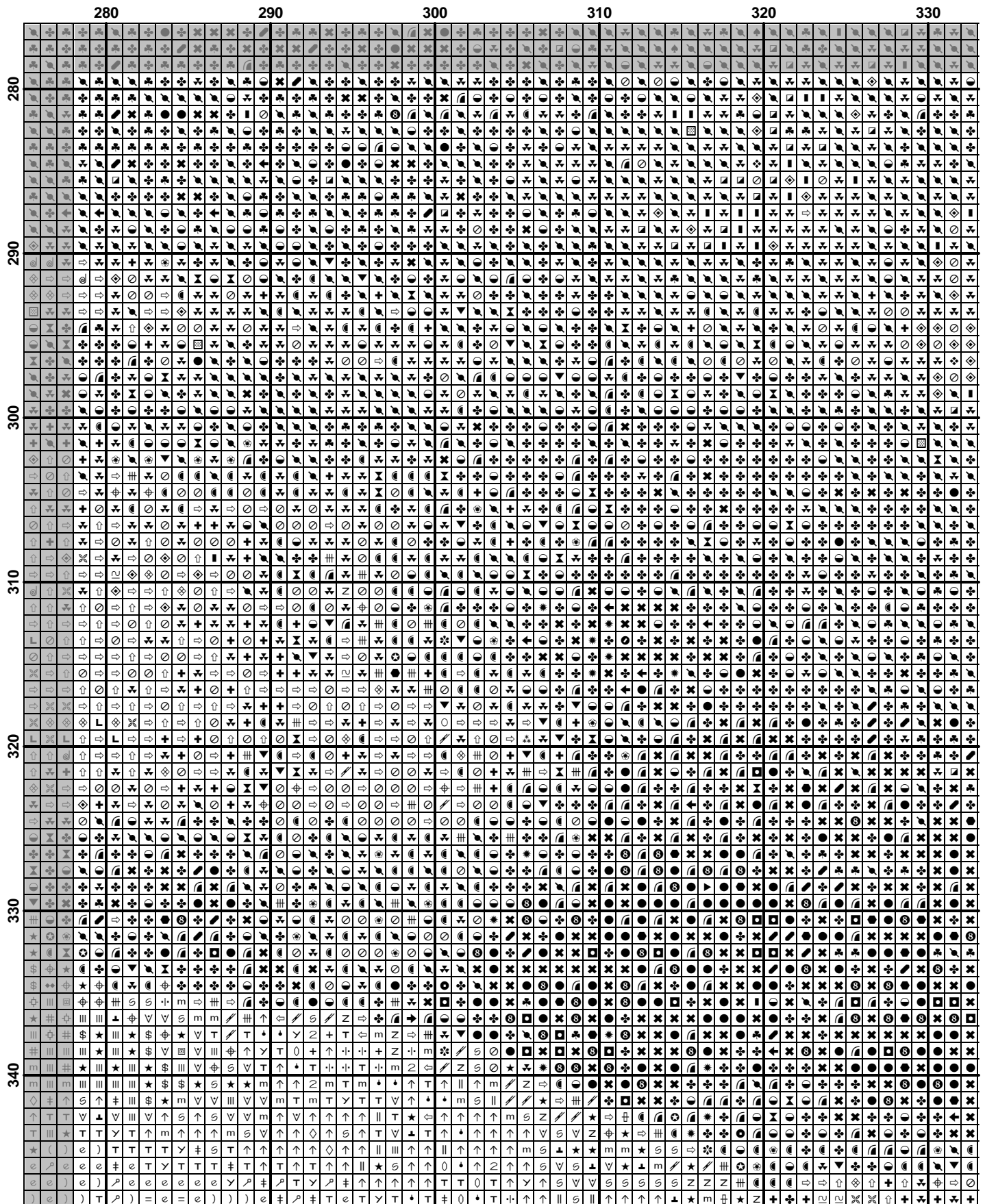


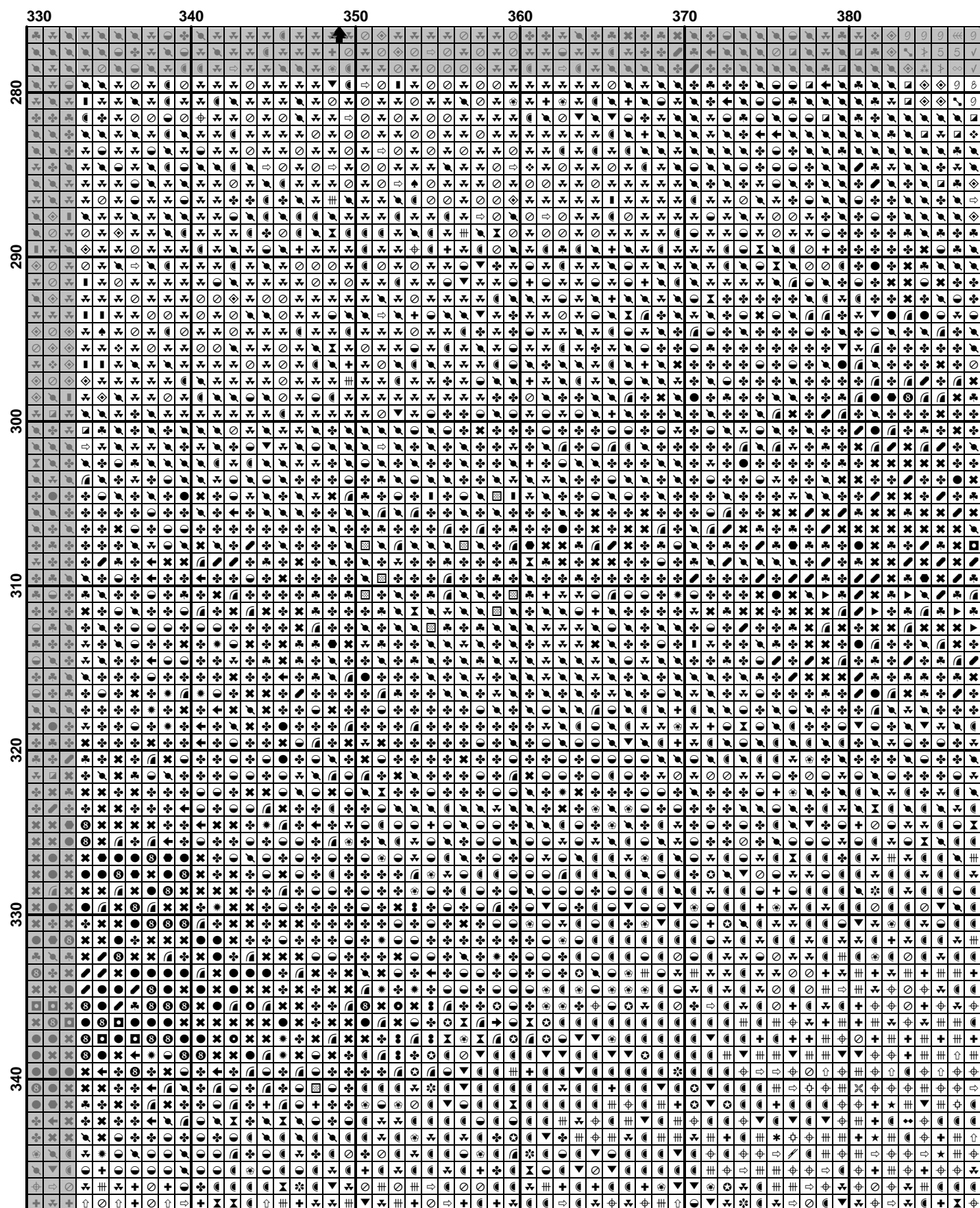


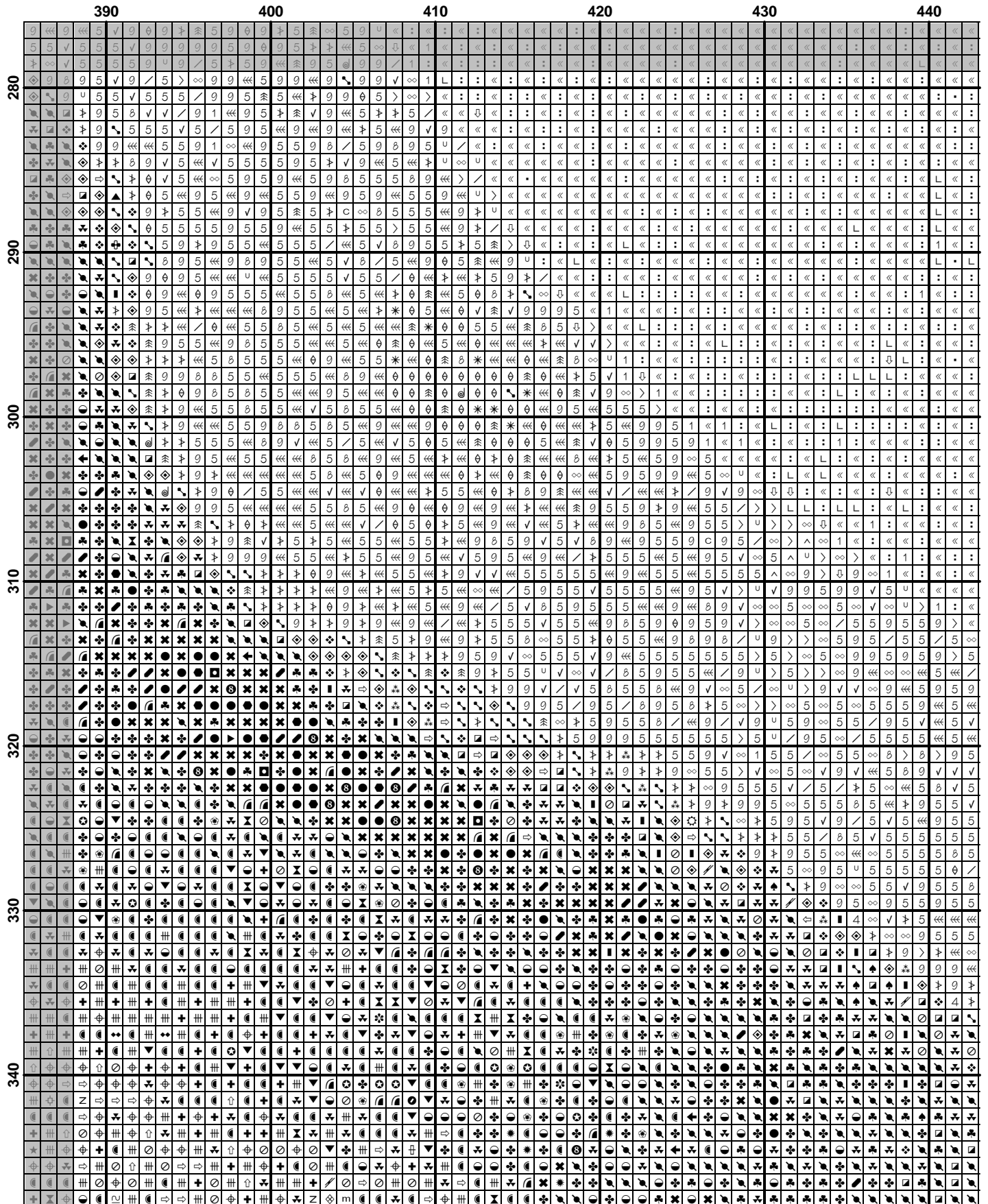










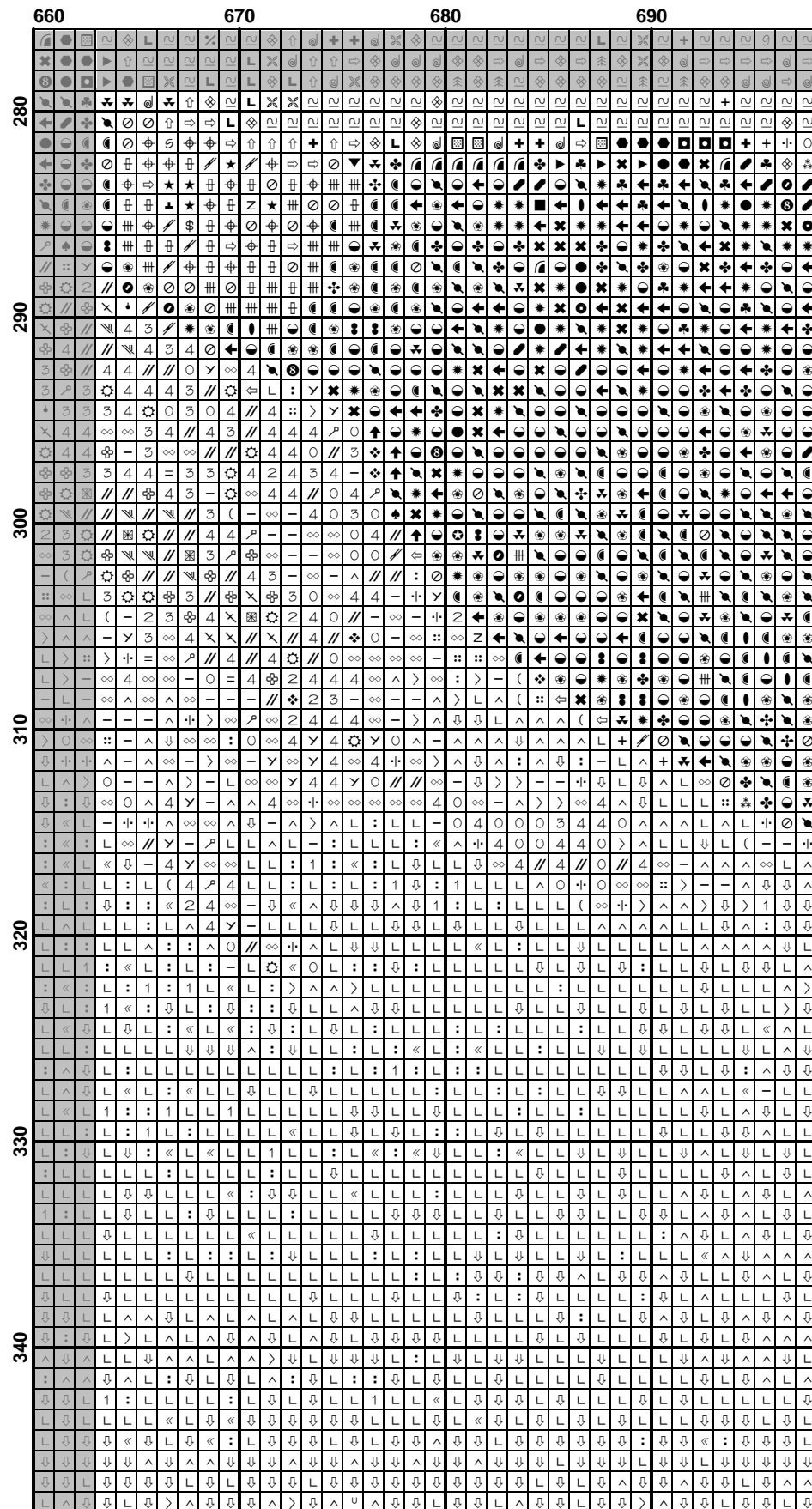


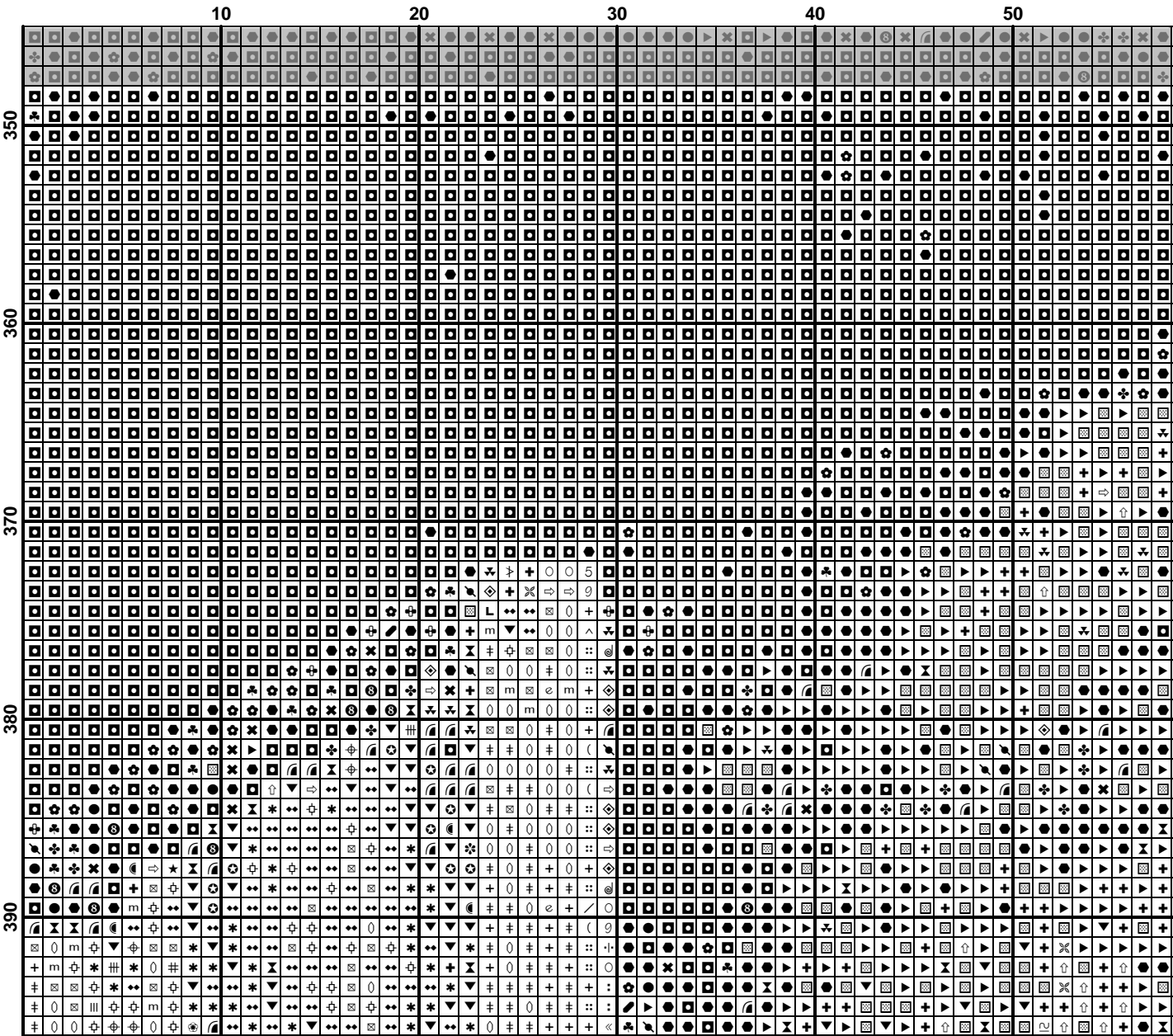
(75)

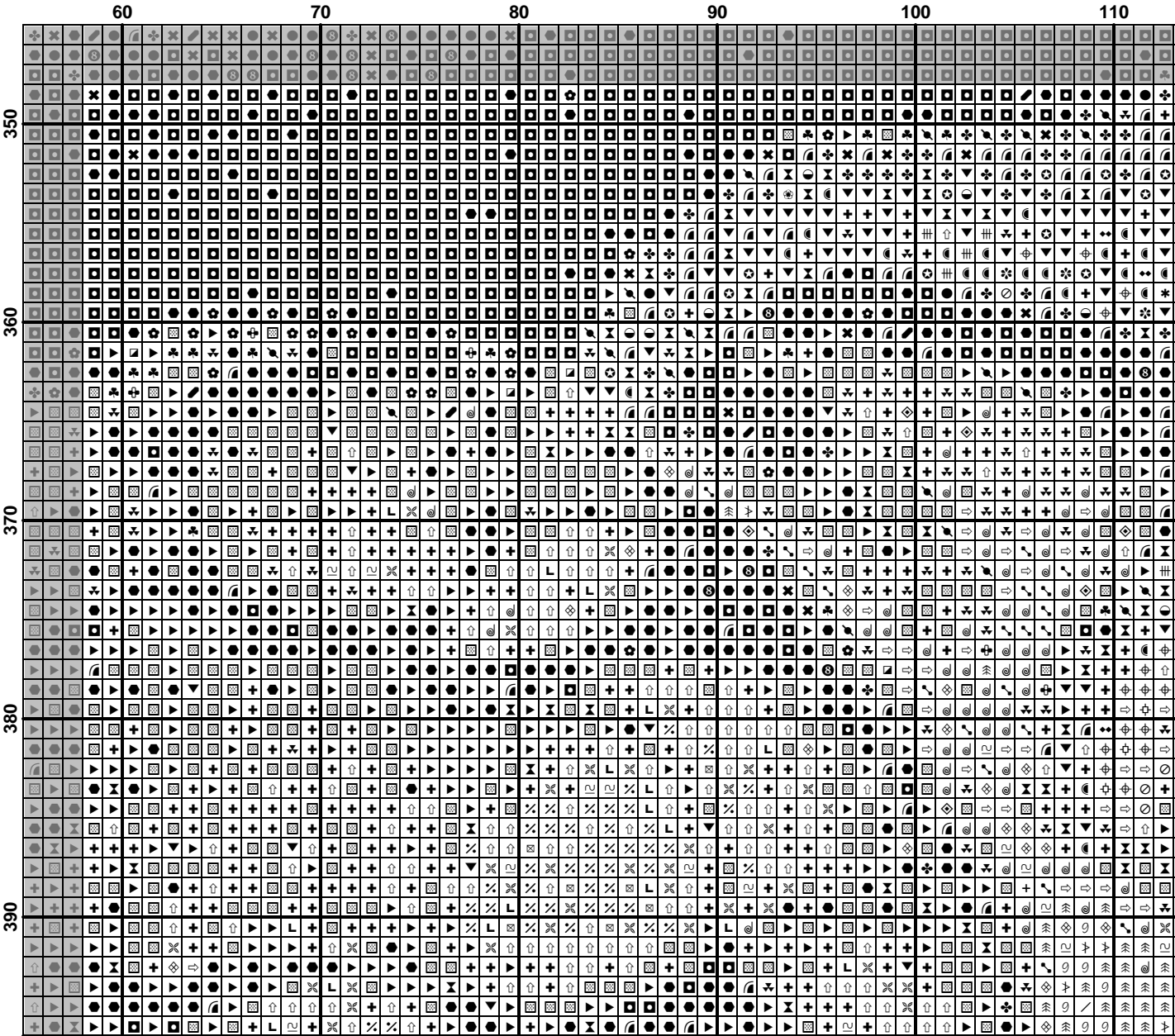
$$(75) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \int_0^t K_\alpha(t,s) f(s) ds$$

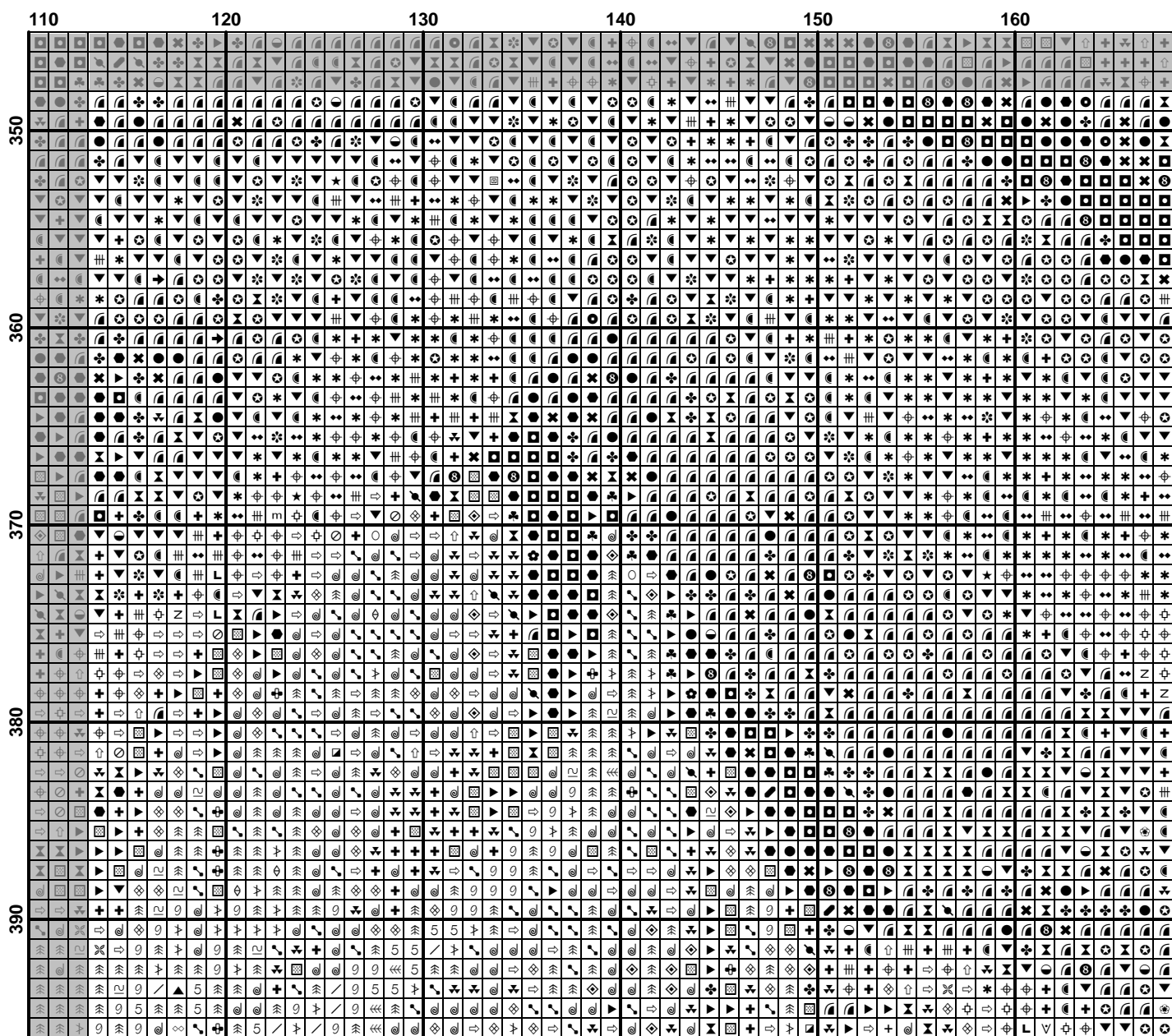
(77)

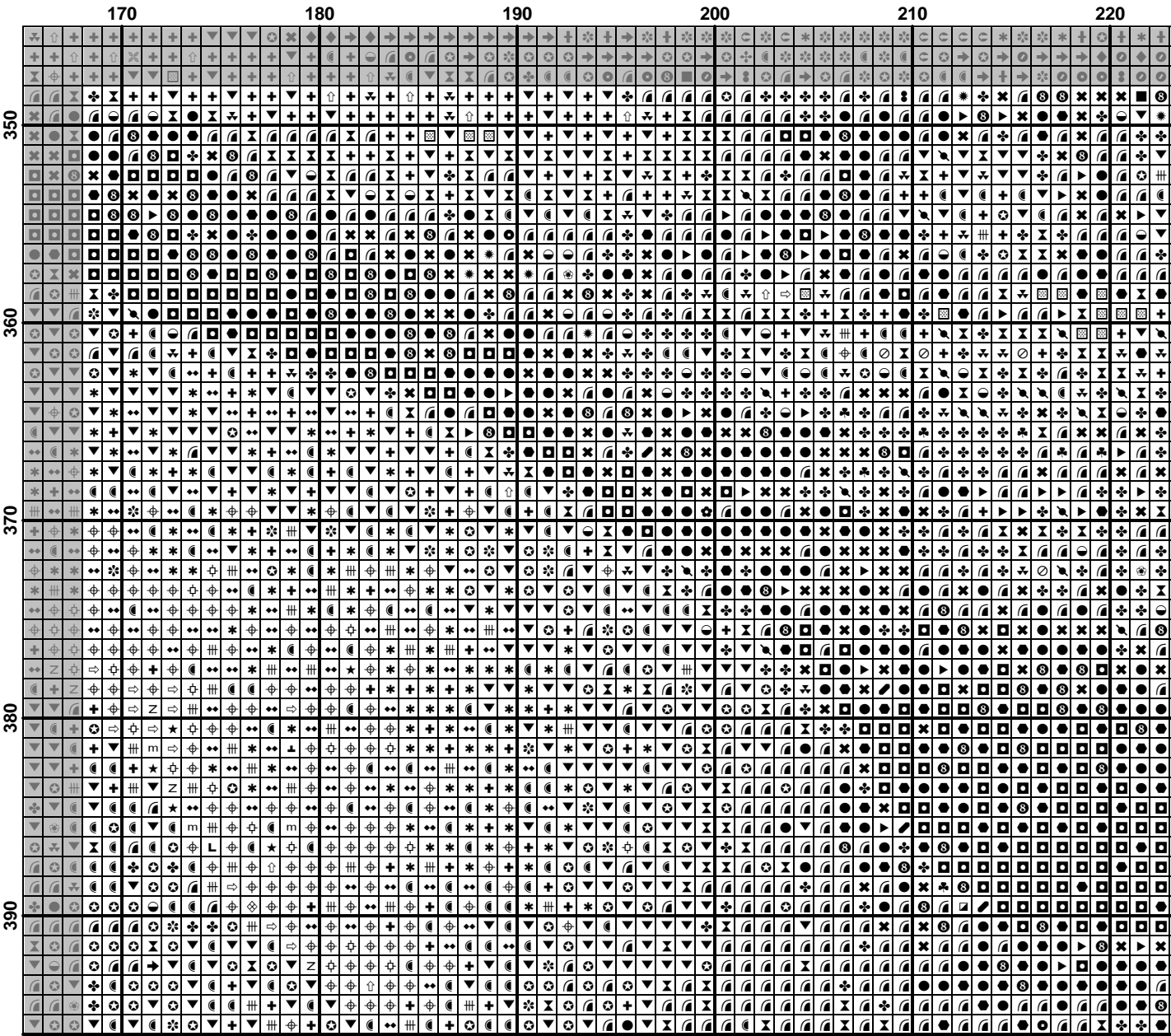
| | 610 | 620 | 630 | 640 | 650 | 660 |
|-----|-----|-----|-----|-----|-----|-----|
| 280 | ... | ... | ... | ... | ... | ... |
| 290 | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... |
| 310 | ... | ... | ... | ... | ... | ... |
| 320 | ... | ... | ... | ... | ... | ... |
| 330 | ... | ... | ... | ... | ... | ... |
| 340 | ... | ... | ... | ... | ... | ... |

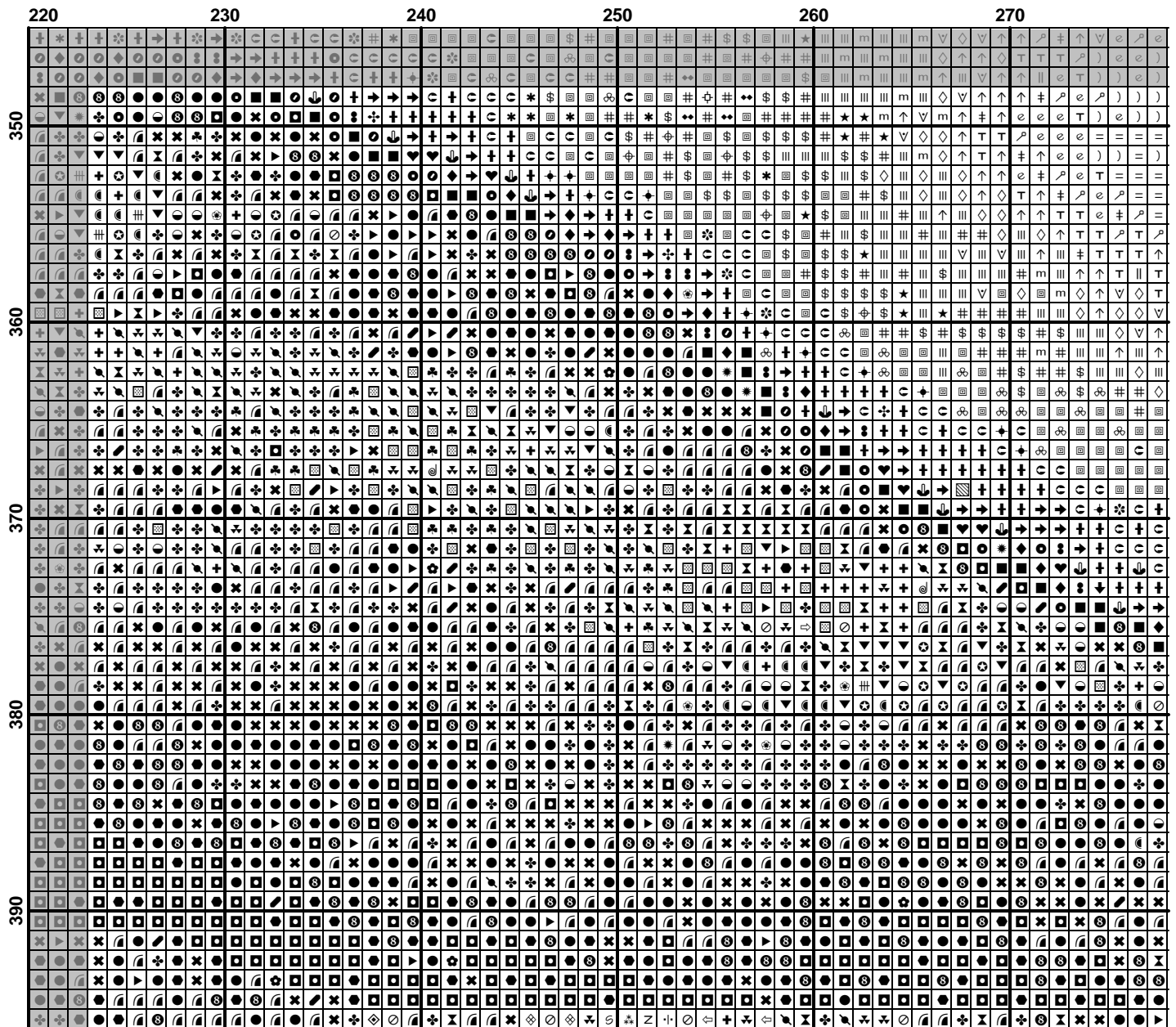


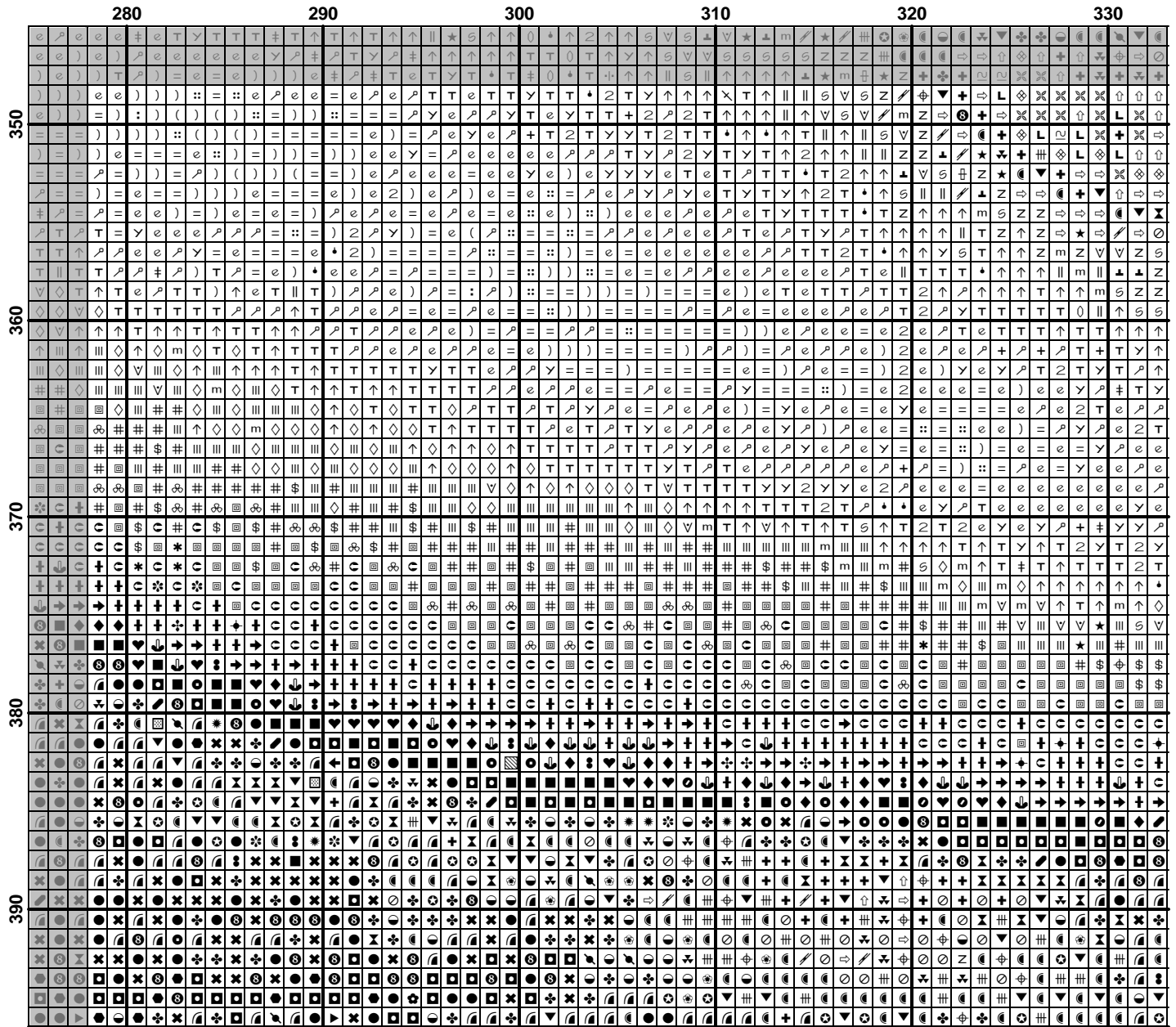


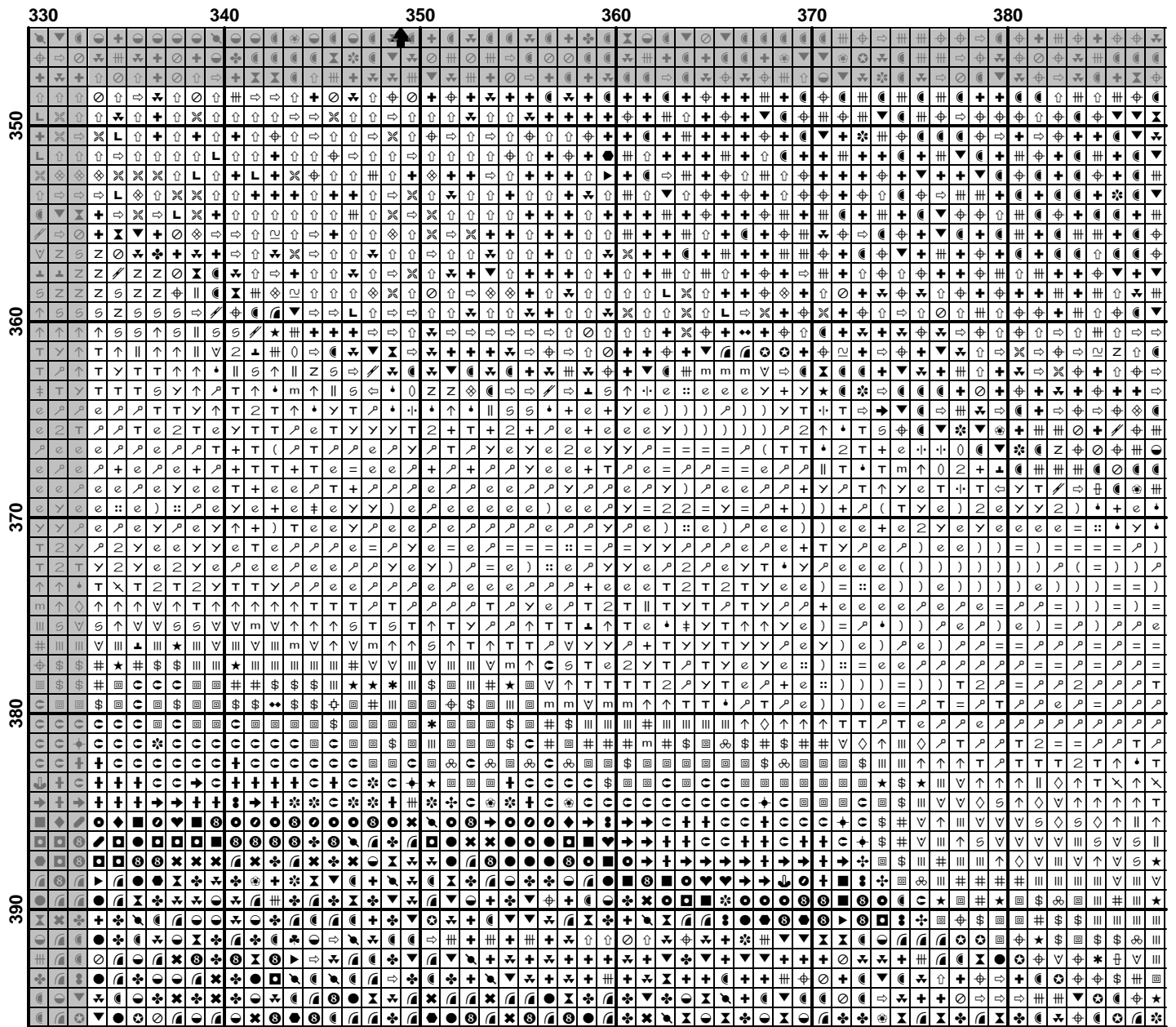




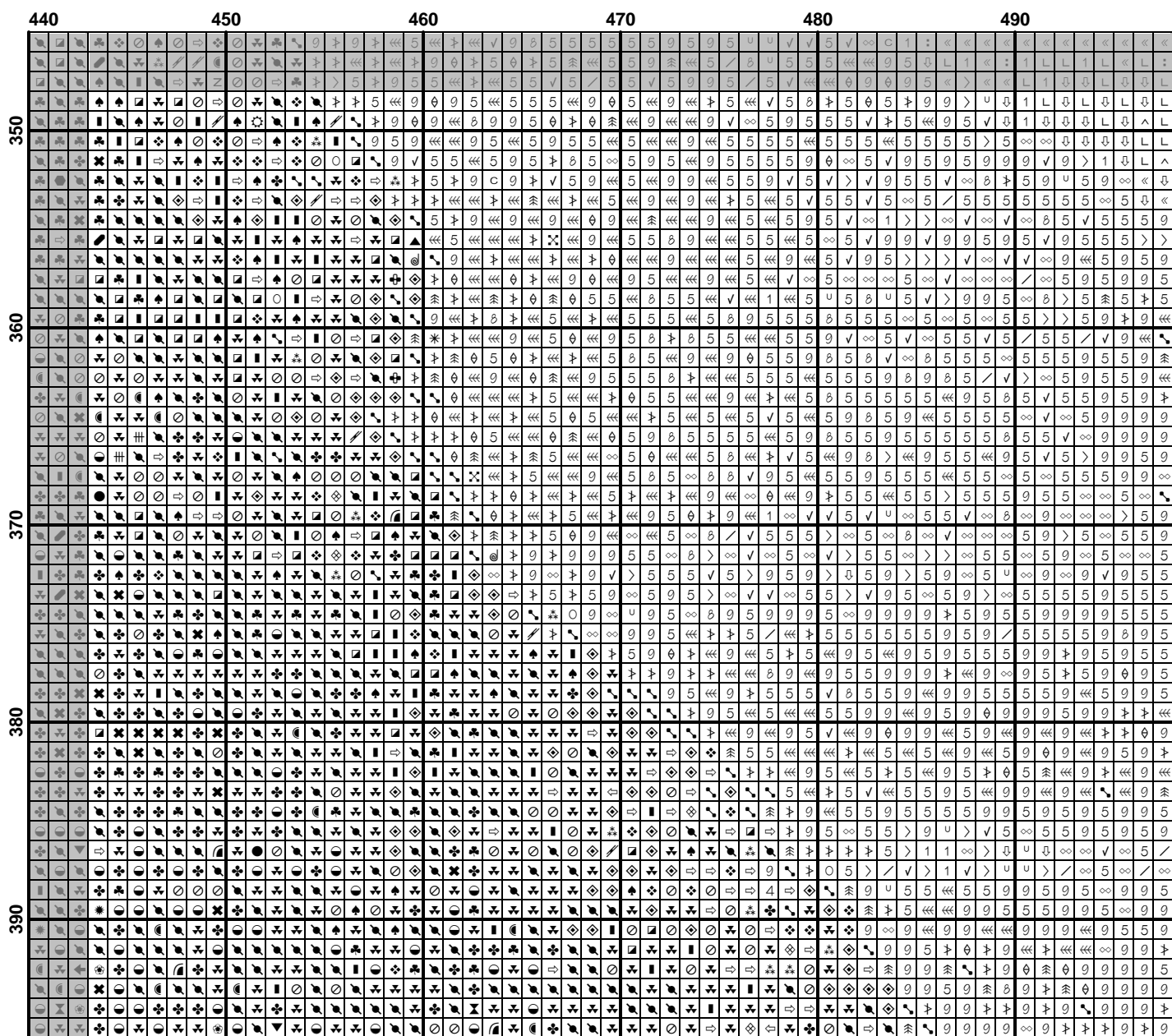












[illegible]

[illegible]

[illegible]

| 660 | 670 | 680 | 690 |
|-----|-----|-----|-----|
| 350 | 360 | 370 | 380 |
| 390 | | | |