

**Golden Kite**

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## 932 Spring



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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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| Spring  |       |       |        |       |                          |       |        |       |       |        |        |        |
|---|-------|-------|--------|-------|--------------------------|-------|--------|-------|-------|--------|--------|--------|
|   |       |       |        |       |                          |       |        |       |       |        |        |        |
| Stitch Count  |       |       |        |       | Recommended Fabric Color |       |        |       |       |        |        |        |
| Horizontal:   |       | 400   |        |       | Antique White            |       |        |       |       |        |        |        |
| Vertical:   |       | 484   |        |       |                          |       |        |       |       |        |        |        |
|   |       |       |        |       |                          |       |        |       |       |        |        |        |
| 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:  | 73    | 28.44 | 88     | 34.55 | 64                       | 24.89 | 77     | 30.23 | 57    | 22.125 | 69     | 26.875 |
| Including Margins:  | 89    | 35    | 104    | 41    | 80                       | 31    | 93     | 37    | 73    | 29     | 85     | 33     |
|   | 10    |       |        |       | 12                       |       |        |       | 24    |        |        |        |
|   | Width |       | Height |       | Width                    |       | Height |       | Width |        | Height |        |
|   | cm    | inch  | cm     | inch  | cm                       | inch  | cm     | inch  | cm    | inch   | cm     | inch   |
| Pattern:  | 102   | 39.81 | 123    | 48.37 | 85                       | 33.18 | 102    | 40.3  | 42    | 16.59  | 51     | 20.15  |
| Including Margins:  | 118   | 46    | 139    | 55    | 101                      | 40    | 118    | 47    | 58    | 23     | 67     | 27     |
|   | 25    |       |        |       | 26                       |       |        |       | 27    |        |        |        |
|   | Width |       | Height |       | Width                    |       | Height |       | Width |        | Height |        |
|   | cm    | inch  | cm     | inch  | cm                       | inch  | cm     | inch  | cm    | inch   | cm     | inch   |
| Pattern:  | 40    | 15.92 | 49     | 19.34 | 39                       | 15.31 | 47     | 18.6  | 37    | 14.74  | 45     | 17.91  |
| Including Margins:  | 56    | 22    | 65     | 26    | 55                       | 22    | 63     | 25    | 53    | 21     | 61     | 24     |
|   | 28    |       |        |       | 30                       |       |        |       | 32    |        |        |        |
|   | Width |       | Height |       | Width                    |       | Height |       | Width |        | Height |        |
|   | cm    | inch  | cm     | inch  | cm                       | inch  | cm     | inch  | cm    | inch   | cm     | inch   |
| Pattern:  | 36    | 14.22 | 44     | 17.27 | 34                       | 13.27 | 41     | 16.12 | 31    | 12.44  | 38     | 15.11  |
| Including Margins:  | 52    | 21    | 60     | 24    | 50                       | 20    | 57     | 23    | 47    | 19     | 54     | 22     |

| Solid Color Stitches. Use two strands of the specified color for these stitches. |     |                      |
|--|-----|----------------------|
| Symbol   | DMC | Name                 |
| ■  | 310 | Black                |
| ♣  | 315 | Antique Mauve-VY DK  |
| ⌞  | 351 | Coral                |
| ▤  | 355 | Terra Cotta-DK       |
| ☾  | 356 | Terra Cotta-MD       |
| ⊕  | 370 | Mustard-MD           |
| ⌵  | 371 | Mustard              |
| ↑  | 372 | Mustard-LT           |
| ♣  | 402 | Mahogany-VY LT       |
| 4  | 407 | Desert Sand-DK       |
| ⊕  | 420 | Hazelnut Brown-DK    |
| ∅  | 436 | Tan                  |
| ⇒  | 437 | Tan-LT               |
| )  | 445 | Lemon-LT             |
| +  | 535 | Ash Gray-VY LT       |
| .  | 543 | Beige Brown-UL VY LT |
| φ  | 610 | Drab Brown-DK        |
| τ  | 612 | Drab Brown-LT        |
| ⌵  | 613 | Drab Brown-VY LT     |
| ●  | 632 | Desert Sand-UL VY DK |
| ⌵  | 640 | Beige Gray-VY DK     |
| ⊗  | 642 | Beige Gray-DK        |
| ♠  | 645 | Beaver Gray-VY DK    |
| ◊  | 712 | Cream                |
| ⊕  | 729 | Old Gold- MD         |
| ∇  | 734 | Olive Green-LT       |
| 7  | 738 | Tan-VY LT            |
| ?  | 739 | Tan-UL VY LT         |
| ≡  | 744 | Yellow -Pale         |
| △  | 745 | Yellow -LT Pale      |
| ↑  | 746 | Off White            |
| ●  | 838 | Beige Brown-VY DK    |
| ←  | 839 | Beige Brown-DK       |
| ⊕  | 844 | Beaver Brown-UL DK   |

|    |      |                      |
|----|------|----------------------|
| ⌵  | 869  | Hazelnut Brown-VY DK |
| ●  | 934  | Black Avocado Green  |
| ⊕  | 938  | Coffee Brown-UL DK   |
| ○  | 945  | Tawny                |
| ▤  | 975  | Golden Brown-DK      |
| ⌵  | 3011 | Khaki Green-DK       |
| ◀  | 3013 | Khaki Green-LT       |
| ** | 3021 | Brown Gray -VY DK    |
| ×  | 3022 | Brown Gray -MD       |
| +  | 3023 | Brown Gray -LT       |
| ↓  | 3031 | Mocha Brown-VY DK    |
| ◊  | 3032 | Mocha Brown-MD       |
| ⊗  | 3045 | Yellow Beige-DK      |
| ▷  | 3046 | Yellow Beige-MD      |
| ⊕  | 3052 | Green Gray-MD        |
| :: | 3078 | Golden Yellow -VY LT |
| H  | 3364 | Pine Green           |
| ■  | 3371 | Black Brown          |
| ●  | 3721 | Shell Pink- DK       |
| ⊕  | 3778 | Terra Cotta-LT       |
| ↑  | 3781 | Mocha Brown-DK       |
| ▶  | 3787 | Brown Gray -DK       |
| ⌵  | 3790 | Beige Gray-UL DK     |
| ♥  | 3799 | Pewter Gray -VY DK   |
| →  | 3802 | Antique Mauve-VY DK  |
| α  | 3822 | Straw -LT            |
| 6  | 3823 | Yellow -UL Pale      |
| ↔  | 3825 | Pumpkin-Pale         |
| △  | 3827 | Golden Brown-Pale    |
| *  | 3830 | Terra Cotta-MD       |
| ◇  | 3855 | Autumn Gold-LT       |
| 5  | 3856 | Mahogany-UL VY LT    |
| ■  | 3858 | Rosewood-MD          |
| ⌵  | 3859 | Rosewood-LT          |
| =  | 3864 | Mocha Beige-LT       |
| ∞  | 3865 | Winter White         |

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

| Symbol | DMC1 | Name1                | DMC2 | Name2                |
|--------|------|----------------------|------|----------------------|
| =      | 535  | Ash Gray -VY LT      | 645  | Beaver Gray -VY DK   |
| ⌘      | 640  | Beige Gray -VY DK    | 645  | Beaver Gray -VY DK   |
| ⓪      | 3032 | Mocha Brown-MD       | 640  | Beige Gray -VY DK    |
| ▼      | 839  | Beige Brown-DK       | 3862 | Mocha Beige-DK       |
| Ⓜ      | 3828 | Hazelnut Brown       | 3859 | Rosewood-LT          |
| ✕      | 3862 | Mocha Beige-DK       | 3863 | Mocha Beige-MD       |
| #      | 3862 | Mocha Beige-DK       | 611  | Drab Brown           |
| ◆      | 844  | Beaver Brown-UL DK   | 3799 | Pewter Gray -VY DK   |
| ‡      | 612  | Drab Brown-LT        | 372  | Mustard-LT           |
| ∞      | 3827 | Golden Brown-Pale    | 3855 | Autumn Gold-LT       |
| ☞      | 838  | Beige Brown-VY DK    | 839  | Beige Brown-DK       |
| III    | 3859 | Rosewood-LT          | 3862 | Mocha Beige-DK       |
| †      | 535  | Ash Gray -VY LT      | 3799 | Pewter Gray -VY DK   |
| ●      | 934  | Black Avocado Green  | 3799 | Pewter Gray -VY DK   |
| ⌘      | 356  | Terra Cotta-MD       | 3778 | Terra Cotta-LT       |
| ●      | 3371 | Black Brown          | 3799 | Pewter Gray -VY DK   |
| ☆      | 3021 | Brown Gray -VY DK    | 934  | Black Avocado Green  |
| ✕      | 844  | Beaver Brown-UL DK   | 3021 | Brown Gray -VY DK    |
| ●      | 3787 | Brown Gray -DK       | 3363 | Pine Green-MD        |
| ◇      | 640  | Beige Gray -VY DK    | 646  | Beaver Gray -DK      |
| ↓      | 3802 | Antique Mauve-VY DK  | 844  | Beaver Brown-UL DK   |
| II     | 3830 | Terra Cotta-MD       | 3858 | Rosewood-MD          |
| Ⓜ      | 315  | Antique Mauve-VY DK  | 3830 | Terra Cotta-MD       |
| ⊕      | 315  | Antique Mauve-VY DK  | 839  | Beige Brown-DK       |
| ⊗      | 402  | Mahogany -VY LT      | 436  | Tan                  |
| ∕      | 372  | Mustard-LT           | 436  | Tan                  |
| ∅      | 676  | Old Gold-LT          | 729  | Old Gold-MD          |
| ⊙      | 436  | Tan                  | 3827 | Golden Brown-Pale    |
| ∞      | 3827 | Golden Brown-Pale    | 3046 | Yellow Beige-MD      |
| ⌘      | 3858 | Rosewood-MD          | 3064 | Desert Sand          |
| ▼      | 610  | Drab Brown-DK        | 370  | Mustard-MD           |
| II     | 407  | Desert Sand-DK       | 420  | Hazelnut Brown-DK    |
| ..     | 3828 | Hazelnut Brown       | 437  | Tan-LT               |
| ☺      | 632  | Desert Sand-UL VY DK | 3772 | Desert Sand-VY DK    |
| ▲      | 3830 | Terra Cotta-MD       | 356  | Terra Cotta-MD       |
| ○      | 356  | Terra Cotta-MD       | 3858 | Rosewood-MD          |
| ⊙      | 351  | Coral                | 356  | Terra Cotta-MD       |
| Ⓜ      | 3830 | Terra Cotta-MD       | 3328 | Salmon-DK            |
| ≡      | 355  | Terra Cotta-DK       | 3830 | Terra Cotta-MD       |
| ✕      | 839  | Beige Brown-DK       | 3362 | Pine Green-DK        |
| I      | 535  | Ash Gray -VY LT      | 3787 | Brown Gray -DK       |
| L      | 3830 | Terra Cotta-MD       | 922  | Copper-LT            |
| ▲      | 839  | Beige Brown-DK       | 3781 | Mocha Brown-DK       |
| Ⓜ      | 3787 | Brown Gray -DK       | 839  | Beige Brown-DK       |
| ❖      | 3828 | Hazelnut Brown       | 3776 | Mahogany-LT          |
| Ⓜ      | 436  | Tan                  | 3825 | Pumpkin-Pale         |
| ∅      | 3855 | Autumn Gold-LT       | 437  | Tan-LT               |
| ∕      | 3825 | Pumpkin-Pale         | 3855 | Autumn Gold-LT       |
| 5      | 3825 | Pumpkin-Pale         | 745  | Yellow-LT Pale       |
| m      | 3776 | Mahogany-LT          | 402  | Mahogany-VY LT       |
| 3      | 3822 | Straw-LT             | 3827 | Golden Brown-Pale    |
| Ⓜ      | 356  | Terra Cotta-MD       | 632  | Desert Sand-UL VY DK |
| ⬆      | 3862 | Mocha Beige-DK       | 632  | Desert Sand-UL VY DK |

|    |      |                      |      |                      |
|----|------|----------------------|------|----------------------|
| ♡  | 746  | Off White            | 3078 | Golden Yellow -VY LT |
| 9  | 3078 | Golden Yellow -VY LT | 739  | Tan-UL VY LT         |
| Φ  | 3830 | Terra Cotta-MD       | 351  | Coral                |
| ☾  | 315  | Antique Mauve-VY DK  | 640  | Beige Gray -VY DK    |
| ♠  | 402  | Mahogany -VY LT      | 351  | Coral                |
| ↘  | 356  | Terra Cotta-MD       | 402  | Mahogany -VY LT      |
| §  | 3776 | Mahogany-LT          | 351  | Coral                |
| 1  | 422  | Hazelnut Brown-LT    | 3855 | Autumn Gold-LT       |
| ㄣ  | 402  | Mahogany -VY LT      | 3825 | Pumpkin-Pale         |
| ⊞  | 3823 | Yellow -UL Pale      | 945  | Tawny                |
| ^  | 745  | Yellow -LT Pale      | 3855 | Autumn Gold-LT       |
| ↵  | 734  | Olive Green-LT       | 744  | Yellow -Pale         |
| ‡  | 3826 | Golden Brown         | 3828 | Hazelnut Brown       |
| ¼  | 612  | Drab Brown-LT        | 738  | Tan-VY LT            |
| —  | 437  | Tan-LT               | 3825 | Pumpkin-Pale         |
| δ  | 3856 | Mahogany-UL VY LT    | 745  | Yellow -LT Pale      |
| ◇  | 3348 | Yellow Green-LT      | 372  | Mustard-LT           |
| // | 738  | Tan-VY LT            | 524  | Fern Green-VY LT     |
| ⊕  | 3830 | Terra Cotta-MD       | 3721 | Shell Pink- DK       |
| ★  | 402  | Mahogany -VY LT      | 3830 | Terra Cotta-MD       |
| u  | 739  | Tan-UL VY LT         | 3864 | Mocha Beige-LT       |
| ⌢  | 3363 | Pine Green-MD        | 645  | Beaver Gray -VY DK   |
| *  | 3364 | Pine Green           | 3052 | Green Gray-MD        |
| ▲  | 3787 | Brown Gray -DK       | 3362 | Pine Green-DK        |
| ⊗  | 3364 | Pine Green           | 371  | Mustard              |
| ⌢  | 3347 | Yellow Green-MD      | 3045 | Yellow Beige-DK      |
| ✱  | 3363 | Pine Green-MD        | 535  | Ash Gray -VY LT      |
| ≡  | 3052 | Green Gray-MD        | 611  | Drab Brown           |
| 田  | 3860 | Cocoa                | 645  | Beaver Gray-VY DK    |
| ✱  | 839  | Beige Brown-DK       | 3363 | Pine Green-MD        |
| (  | 746  | Off White            | 613  | Drab Brown-VY LT     |
| ↓  | 3364 | Pine Green           | 3864 | Mocha Beige-LT       |
| ●  | 3802 | Antique Mauve-VY DK  | 3860 | Cocoa                |
| ⊗  | 315  | Antique Mauve-VY DK  | 3790 | Beige Gray-UL DK     |
| «  | 611  | Drab Brown           | 3790 | Beige Gray-UL DK     |
| ↘  | 612  | Drab Brown-LT        | 3790 | Beige Gray-UL DK     |
| ^  | 3045 | Yellow Beige-DK      | 422  | Hazelnut Brown-LT    |
| *  | 640  | Beige Gray-VY DK     | 3052 | Green Gray-MD        |
| >  | 445  | Lemon-LT             | 3046 | Yellow Beige-MD      |
| ☾  | 315  | Antique Mauve-VY DK  | 611  | Drab Brown           |
| L  | 3046 | Yellow Beige-MD      | 3348 | Yellow Green-LT      |
| ≡  | 3046 | Yellow Beige-MD      | 612  | Drab Brown-LT        |
| Φ  | 3046 | Yellow Beige-MD      | 3364 | Pine Green           |
| ✓  | 734  | Olive Green-LT       | 745  | Yellow -LT Pale      |
| <  | 445  | Lemon-LT             | 734  | Olive Green-LT       |
|    | 422  | Hazelnut Brown-LT    | 3046 | Yellow Beige-MD      |
| ∩  | 611  | Drab Brown           | 612  | Drab Brown-LT        |
| ∴  | 371  | Mustard              | 372  | Mustard-LT           |
| ♂  | 3045 | Yellow Beige-DK      | 3046 | Yellow Beige-MD      |
| ♦  | 371  | Mustard              | 611  | Drab Brown           |
| ♠  | 371  | Mustard              | 3348 | Yellow Green-LT      |
| ▣  | 3362 | Pine Green-DK        | 535  | Ash Gray -VY LT      |
| ▤  | 3363 | Pine Green-MD        | 844  | Beaver Brown-UL DK   |
| ✱  | 611  | Drab Brown           | 3347 | Yellow Green-MD      |
| □  | 3363 | Pine Green-MD        | 3052 | Green Gray-MD        |



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         |              |
| 310  | Black                | 277        | 109          | 264        | 103          | 238        | 93           |
| 315  | Antique Mauve-VY DK  | 451        | 177          | 429        | 168          | 386        | 151          |
| 351  | Coral                | 250        | 98           | 238        | 93           | 214        | 84           |
| 355  | Terra Cotta-DK       | 33         | 12           | 31         | 12           | 28         | 11           |
| 356  | Terra Cotta-MD       | 341        | 134          | 324        | 127          | 292        | 114          |
| 370  | Mustard-MD           | 90         | 35           | 86         | 33           | 77         | 30           |
| 371  | Mustard              | 665        | 261          | 633        | 249          | 570        | 224          |
| 372  | Mustard-LT           | 292        | 114          | 278        | 109          | 250        | 98           |
| 402  | Mahogany-VY LT       | 432        | 170          | 411        | 161          | 370        | 145          |
| 407  | Desert Sand-DK       | 142        | 55           | 135        | 53           | 121        | 47           |
| 420  | Hazelnut Brown-DK    | 136        | 53           | 129        | 50           | 116        | 45           |
| 422  | Hazelnut Brown-LT    | 124        | 48           | 118        | 46           | 106        | 41           |
| 436  | Tan                  | 311        | 122          | 296        | 116          | 266        | 104          |
| 437  | Tan-LT               | 277        | 109          | 263        | 103          | 237        | 93           |
| 445  | Lemon-LT             | 178        | 70           | 170        | 66           | 153        | 60           |
| 524  | Fern Green-VY LT     | 49         | 19           | 47         | 18           | 42         | 16           |
| 535  | Ash Gray -VY LT      | 903        | 355          | 860        | 338          | 774        | 304          |
| 543  | Beige Brown-UL VY LT | 16         | 6            | 15         | 5            | 14         | 5            |
| 610  | Drab Brown-DK        | 171        | 67           | 163        | 64           | 147        | 57           |
| 611  | Drab Brown           | 655        | 257          | 624        | 245          | 561        | 220          |
| 612  | Drab Brown-LT        | 507        | 199          | 483        | 190          | 435        | 171          |
| 613  | Drab Brown-VY LT     | 100        | 39           | 95         | 37           | 85         | 33           |
| 632  | Desert Sand-UL VY DK | 273        | 107          | 260        | 102          | 234        | 92           |
| 640  | Beige Gray-VY DK     | 716        | 281          | 682        | 268          | 614        | 241          |
| 642  | Beige Gray-DK        | 115        | 45           | 109        | 42           | 98         | 38           |
| 645  | Beaver Gray-VY DK    | 626        | 246          | 596        | 234          | 537        | 211          |
| 646  | Beaver Gray-DK       | 63         | 24           | 60         | 23           | 54         | 21           |
| 676  | Old Gold-LT          | 25         | 9            | 24         | 9            | 22         | 8            |
| 712  | Cream                | 25         | 9            | 24         | 9            | 21         | 8            |
| 729  | Old Gold- MD         | 52         | 20           | 49         | 19           | 44         | 17           |
| 734  | Olive Green-LT       | 164        | 64           | 156        | 61           | 140        | 55           |
| 738  | Tan-VY LT            | 229        | 90           | 218        | 85           | 196        | 77           |
| 739  | Tan-UL VY LT         | 177        | 69           | 168        | 66           | 151        | 59           |
| 744  | Yellow -Pale         | 131        | 51           | 125        | 49           | 112        | 44           |
| 745  | Yellow -LT Pale      | 891        | 350          | 849        | 334          | 764        | 300          |
| 746  | Off White            | 706        | 277          | 672        | 264          | 605        | 238          |
| 838  | Beige Brown-VY DK    | 628        | 247          | 598        | 235          | 538        | 211          |
| 839  | Beige Brown-DK       | 1399       | 550          | 1332       | 524          | 1199       | 472          |
| 844  | Beaver Brown-UL DK   | 2958       | 1164         | 2817       | 1109         | 2536       | 998          |
| 869  | Hazelnut Brown-VY DK | 34         | 13           | 32         | 12           | 29         | 11           |
| 922  | Copper-LT            | 24         | 9            | 22         | 8            | 20         | 7            |
| 934  | Black Avocado Green  | 1562       | 614          | 1487       | 585          | 1339       | 527          |
| 938  | Coffee Brown-UL DK   | 676        | 266          | 644        | 253          | 579        | 227          |
| 945  | Tawny                | 78         | 30           | 74         | 29           | 66         | 25           |
| 975  | Golden Brown-DK      | 32         | 12           | 31         | 12           | 28         | 11           |
| 3011 | Khaki Green-DK       | 96         | 37           | 91         | 35           | 82         | 32           |
| 3013 | Khaki Green-LT       | 89         | 35           | 85         | 33           | 76         | 29           |
| 3021 | Brown Gray -VY DK    | 3155       | 1242         | 3005       | 1183         | 2705       | 1064         |
| 3022 | Brown Gray -MD       | 59         | 23           | 56         | 22           | 51         | 20           |
| 3023 | Brown Gray -LT       | 30         | 11           | 28         | 11           | 25         | 9            |
| 3031 | Mocha Brown-VY DK    | 997        | 392          | 949        | 373          | 854        | 336          |
| 3032 | Mocha Brown-MD       | 335        | 131          | 319        | 125          | 287        | 112          |
| 3045 | Yellow Beige-DK      | 288        | 113          | 274        | 107          | 247        | 97           |
| 3046 | Yellow Beige-MD      | 661        | 260          | 630        | 248          | 567        | 223          |

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|      |                     |       |      |       |      |      |      |
|------|---------------------|-------|------|-------|------|------|------|
| 3052 | Green Gray-MD       | 595   | 234  | 566   | 222  | 510  | 200  |
| 3064 | Desert Sand         | 55    | 21   | 52    | 20   | 47   | 18   |
| 3078 | Golden Yellow-VY LT | 498   | 196  | 474   | 186  | 427  | 168  |
| 3328 | Salmon-DK           | 93    | 36   | 88    | 34   | 79   | 31   |
| 3347 | Yellow Green-MD     | 139   | 54   | 132   | 51   | 119  | 46   |
| 3348 | Yellow Green-LT     | 311   | 122  | 297   | 116  | 267  | 105  |
| 3362 | Pine Green-DK       | 439   | 172  | 418   | 164  | 376  | 148  |
| 3363 | Pine Green-MD       | 683   | 268  | 651   | 256  | 586  | 230  |
| 3364 | Pine Green          | 513   | 201  | 489   | 192  | 440  | 173  |
| 3371 | Black Brown         | 9379  | 3692 | 8932  | 3516 | 8039 | 3164 |
| 3721 | Shell Pink-DK       | 67    | 26   | 64    | 25   | 58   | 22   |
| 3772 | Desert Sand-VY DK   | 80    | 31   | 76    | 29   | 68   | 26   |
| 3776 | Mahogany-LT         | 128   | 50   | 122   | 48   | 110  | 43   |
| 3778 | Terra Cotta-LT      | 49    | 19   | 47    | 18   | 42   | 16   |
| 3781 | Mocha Brown-DK      | 124   | 48   | 118   | 46   | 106  | 41   |
| 3787 | Brown Gray -DK      | 1549  | 609  | 1476  | 581  | 1328 | 522  |
| 3790 | Beige Gray-UL DK    | 630   | 248  | 600   | 236  | 540  | 212  |
| 3799 | Pewter Gray-VY DK   | 10537 | 4148 | 10035 | 3950 | 9031 | 3555 |
| 3802 | Antique Mauve-VY DK | 337   | 132  | 321   | 126  | 289  | 113  |
| 3822 | Straw-LT            | 44    | 17   | 42    | 16   | 38   | 14   |
| 3823 | Yellow-UL Pale      | 201   | 79   | 192   | 75   | 172  | 67   |
| 3825 | Pumpkin-Pale        | 761   | 299  | 724   | 285  | 652  | 256  |
| 3826 | Golden Brown        | 29    | 11   | 27    | 10   | 25   | 9    |
| 3827 | Golden Brown-Pale   | 226   | 88   | 215   | 84   | 194  | 76   |
| 3828 | Hazelnut Brown      | 155   | 61   | 148   | 58   | 133  | 52   |
| 3830 | Terra Cotta-MD      | 579   | 227  | 551   | 216  | 496  | 195  |
| 3855 | Autumn Gold-LT      | 683   | 268  | 650   | 255  | 585  | 230  |
| 3856 | Mahogany-UL VY LT   | 248   | 97   | 236   | 92   | 212  | 83   |
| 3858 | Rosewood-MD         | 288   | 113  | 274   | 107  | 246  | 96   |
| 3859 | Rosewood-LT         | 177   | 69   | 169   | 66   | 152  | 59   |
| 3860 | Cocoa               | 162   | 63   | 154   | 60   | 138  | 54   |
| 3862 | Mocha Beige-DK      | 456   | 179  | 434   | 170  | 391  | 153  |
| 3863 | Mocha Beige-MD      | 127   | 50   | 121   | 47   | 109  | 42   |
| 3864 | Mocha Beige-LT      | 196   | 77   | 187   | 73   | 168  | 66   |
| 3865 | Winter White        | 366   | 144  | 348   | 137  | 313  | 123  |

| Extended thread usage table. |                     |            |              |            |              |            |              |
|------------------------------|---------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name                | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                     | 10         |              | 12         |              | 24         |              |
| 310                          | Black               | 428        | 167          | 357        | 140          | 179        | 70           |
| 315                          | Antique Mauve-VY DK | 695        | 272          | 579        | 227          | 290        | 113          |
| 351                          | Coral               | 385        | 151          | 321        | 126          | 161        | 63           |
| 355                          | Terra Cotta-DK      | 50         | 20           | 42         | 17           | 21         | 8            |
| 356                          | Terra Cotta-MD      | 526        | 205          | 438        | 171          | 219        | 86           |
| 370                          | Mustard-MD          | 139        | 54           | 116        | 45           | 58         | 23           |
| 371                          | Mustard             | 1026       | 403          | 855        | 336          | 428        | 168          |
| 372                          | Mustard-LT          | 450        | 176          | 375        | 147          | 188        | 74           |
| 402                          | Mahogany-VY LT      | 666        | 261          | 555        | 218          | 278        | 109          |
| 407                          | Desert Sand-DK      | 218        | 85           | 182        | 71           | 91         | 35           |
| 420                          | Hazelnut Brown-DK   | 209        | 81           | 174        | 68           | 87         | 34           |
| 422                          | Hazelnut Brown-LT   | 191        | 74           | 159        | 62           | 80         | 31           |
| 436                          | Tan                 | 479        | 187          | 399        | 156          | 200        | 78           |
| 437                          | Tan-LT              | 427        | 167          | 356        | 140          | 178        | 70           |
| 445                          | Lemon-LT            | 275        | 108          | 230        | 90           | 115        | 45           |
| 524                          | Fern Green-VY LT    | 76         | 29           | 63         | 24           | 32         | 12           |
| 535                          | Ash Gray-VY LT      | 1393       | 547          | 1161       | 456          | 581        | 228          |



|      |                      |       |      |       |      |      |      |
|------|----------------------|-------|------|-------|------|------|------|
| 543  | Beige Brown-UL VY LT | 25    | 9    | 21    | 8    | 11   | 4    |
| 610  | Drab Brown-DK        | 265   | 103  | 221   | 86   | 110  | 43   |
| 611  | Drab Brown           | 1010  | 396  | 842   | 330  | 421  | 165  |
| 612  | Drab Brown-LT        | 783   | 308  | 653   | 257  | 326  | 128  |
| 613  | Drab Brown-VY LT     | 153   | 59   | 128   | 50   | 64   | 25   |
| 632  | Desert Sand-UL VY DK | 421   | 166  | 351   | 138  | 176  | 69   |
| 640  | Beige Gray-VY DK     | 1105  | 434  | 921   | 362  | 461  | 181  |
| 642  | Beige Gray-DK        | 176   | 68   | 147   | 57   | 74   | 29   |
| 645  | Beaver Gray-VY DK    | 967   | 380  | 806   | 317  | 403  | 158  |
| 646  | Beaver Gray-DK       | 97    | 38   | 81    | 32   | 41   | 16   |
| 676  | Old Gold-LT          | 40    | 14   | 33    | 12   | 17   | 6    |
| 712  | Cream                | 38    | 14   | 32    | 12   | 16   | 6    |
| 729  | Old Gold-MD          | 79    | 31   | 66    | 26   | 33   | 13   |
| 734  | Olive Green-LT       | 252   | 99   | 210   | 83   | 105  | 41   |
| 738  | Tan-VY LT            | 353   | 139  | 294   | 116  | 147  | 58   |
| 739  | Tan-UL VY LT         | 272   | 106  | 227   | 89   | 113  | 44   |
| 744  | Yellow -Pale         | 202   | 79   | 168   | 66   | 84   | 33   |
| 745  | Yellow -LT Pale      | 1375  | 540  | 1146  | 450  | 573  | 225  |
| 746  | Off White            | 1089  | 428  | 908   | 357  | 454  | 179  |
| 838  | Beige Brown-VY DK    | 968   | 380  | 807   | 317  | 404  | 158  |
| 839  | Beige Brown-DK       | 2158  | 850  | 1799  | 708  | 899  | 354  |
| 844  | Beaver Brown-UL DK   | 4565  | 1796 | 3804  | 1497 | 1902 | 749  |
| 869  | Hazelnut Brown-VY DK | 52    | 20   | 44    | 17   | 22   | 8    |
| 922  | Copper-LT            | 36    | 13   | 30    | 11   | 15   | 5    |
| 934  | Black Avocado Green  | 2410  | 949  | 2009  | 791  | 1004 | 395  |
| 938  | Coffee Brown-UL DK   | 1042  | 409  | 869   | 341  | 434  | 170  |
| 945  | Tawny                | 119   | 45   | 99    | 38   | 50   | 19   |
| 975  | Golden Brown-DK      | 50    | 20   | 42    | 17   | 21   | 8    |
| 3011 | Khaki Green-DK       | 148   | 58   | 123   | 48   | 62   | 24   |
| 3013 | Khaki Green-LT       | 137   | 52   | 114   | 44   | 57   | 22   |
| 3021 | Brown Gray -VY DK    | 4869  | 1915 | 4058  | 1596 | 2029 | 798  |
| 3022 | Brown Gray -MD       | 92    | 36   | 77    | 30   | 38   | 15   |
| 3023 | Brown Gray -LT       | 45    | 16   | 38    | 14   | 19   | 7    |
| 3031 | Mocha Brown-VY DK    | 1537  | 605  | 1281  | 504  | 641  | 252  |
| 3032 | Mocha Brown-MD       | 517   | 202  | 431   | 168  | 215  | 84   |
| 3045 | Yellow Beige-DK      | 445   | 175  | 371   | 146  | 185  | 73   |
| 3046 | Yellow Beige-MD      | 1021  | 401  | 851   | 335  | 425  | 167  |
| 3052 | Green Gray-MD        | 918   | 360  | 765   | 300  | 383  | 150  |
| 3064 | Desert Sand          | 85    | 32   | 71    | 27   | 35   | 14   |
| 3078 | Golden Yellow -VY LT | 769   | 302  | 641   | 252  | 320  | 126  |
| 3328 | Salmon-DK            | 142   | 56   | 119   | 47   | 59   | 23   |
| 3347 | Yellow Green-MD      | 214   | 83   | 179   | 69   | 89   | 35   |
| 3348 | Yellow Green-LT      | 481   | 189  | 401   | 158  | 200  | 79   |
| 3362 | Pine Green-DK        | 677   | 266  | 564   | 222  | 282  | 111  |
| 3363 | Pine Green-MD        | 1055  | 414  | 879   | 345  | 440  | 173  |
| 3364 | Pine Green           | 792   | 311  | 660   | 260  | 330  | 130  |
| 3371 | Black Brown          | 14470 | 5695 | 12059 | 4746 | 6029 | 2373 |
| 3721 | Shell Pink-DK        | 104   | 40   | 87    | 33   | 44   | 17   |
| 3772 | Desert Sand-VY DK    | 122   | 47   | 102   | 39   | 51   | 20   |
| 3776 | Mahogany-LT          | 198   | 77   | 165   | 65   | 83   | 32   |
| 3778 | Terra Cotta-LT       | 76    | 29   | 63    | 24   | 32   | 12   |
| 3781 | Mocha Brown-DK       | 191   | 74   | 159   | 62   | 80   | 31   |
| 3787 | Brown Gray -DK       | 2390  | 940  | 1992  | 783  | 996  | 392  |
| 3790 | Beige Gray-UL DK     | 972   | 382  | 810   | 318  | 405  | 159  |
| 3799 | Pewter Gray -VY DK   | 16256 | 6399 | 13547 | 5333 | 6773 | 2666 |
| 3802 | Antique Mauve-VY DK  | 520   | 203  | 434   | 170  | 217  | 85   |
| 3822 | Straw -LT            | 68    | 25   | 57    | 21   | 29   | 11   |
| 3823 | Yellow -UL Pale      | 310   | 121  | 258   | 101  | 129  | 50   |
| 3825 | Pumpkin-Pale         | 1174  | 461  | 978   | 384  | 489  | 192  |

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|      |                   |      |     |     |     |     |     |
|------|-------------------|------|-----|-----|-----|-----|-----|
| 3826 | Golden Brown      | 45   | 16  | 38  | 14  | 19  | 7   |
| 3827 | Golden Brown-Pale | 349  | 137 | 291 | 114 | 146 | 57  |
| 3828 | Hazelnut Brown    | 239  | 94  | 200 | 78  | 100 | 39  |
| 3830 | Terra Cotta-MD    | 893  | 351 | 744 | 293 | 372 | 146 |
| 3855 | Autumn Gold-LT    | 1053 | 414 | 878 | 345 | 439 | 173 |
| 3856 | Mahogany-UL VY LT | 382  | 149 | 318 | 125 | 159 | 62  |
| 3858 | Rosewood-MD       | 443  | 173 | 369 | 144 | 185 | 72  |
| 3859 | Rosewood-LT       | 274  | 106 | 228 | 89  | 114 | 44  |
| 3860 | Cocoa             | 248  | 97  | 207 | 81  | 104 | 41  |
| 3862 | Mocha Beige-DK    | 704  | 275 | 587 | 230 | 293 | 115 |
| 3863 | Mocha Beige-MD    | 196  | 76  | 164 | 63  | 82  | 32  |
| 3864 | Mocha Beige-LT    | 302  | 119 | 252 | 99  | 126 | 50  |
| 3865 | Winter White      | 563  | 221 | 470 | 185 | 235 | 92  |

| Extended thread usage table. |                      |            |              |            |              |            |              |
|------------------------------|----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name                 | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                      | 25         |              | 26         |              | 27         |              |
| 310                          | Black                | 171        | 67           | 165        | 64           | 159        | 62           |
| 315                          | Antique Mauve-VY DK  | 278        | 109          | 267        | 105          | 257        | 101          |
| 351                          | Coral                | 154        | 60           | 148        | 58           | 143        | 56           |
| 355                          | Terra Cotta-DK       | 20         | 8            | 19         | 8            | 19         | 7            |
| 356                          | Terra Cotta-MD       | 210        | 82           | 202        | 79           | 195        | 76           |
| 370                          | Mustard-MD           | 55         | 22           | 53         | 21           | 51         | 20           |
| 371                          | Mustard              | 410        | 161          | 395        | 155          | 380        | 149          |
| 372                          | Mustard-LT           | 180        | 71           | 173        | 68           | 167        | 65           |
| 402                          | Mahogany-VY LT       | 266        | 104          | 256        | 100          | 247        | 97           |
| 407                          | Desert Sand-DK       | 87         | 34           | 84         | 33           | 81         | 31           |
| 420                          | Hazelnut Brown-DK    | 84         | 32           | 80         | 31           | 77         | 30           |
| 422                          | Hazelnut Brown-LT    | 76         | 30           | 73         | 28           | 71         | 27           |
| 436                          | Tan                  | 192        | 75           | 184        | 72           | 177        | 69           |
| 437                          | Tan-LT               | 171        | 67           | 164        | 64           | 158        | 62           |
| 445                          | Lemon-LT             | 110        | 43           | 106        | 42           | 102        | 40           |
| 524                          | Fern Green-VY LT     | 30         | 12           | 29         | 11           | 28         | 11           |
| 535                          | Ash Gray-VY LT       | 557        | 219          | 536        | 210          | 516        | 203          |
| 543                          | Beige Brown-UL VY LT | 10         | 4            | 10         | 3            | 9          | 3            |
| 610                          | Drab Brown-DK        | 106        | 41           | 102        | 39           | 98         | 38           |
| 611                          | Drab Brown           | 404        | 158          | 388        | 152          | 374        | 147          |
| 612                          | Drab Brown-LT        | 313        | 123          | 301        | 118          | 290        | 114          |
| 613                          | Drab Brown-VY LT     | 61         | 24           | 59         | 23           | 57         | 22           |
| 632                          | Desert Sand-UL VY DK | 168        | 66           | 162        | 64           | 156        | 61           |
| 640                          | Beige Gray-VY DK     | 442        | 174          | 425        | 167          | 409        | 161          |
| 642                          | Beige Gray-DK        | 71         | 27           | 68         | 26           | 65         | 25           |
| 645                          | Beaver Gray-VY DK    | 387        | 152          | 372        | 146          | 358        | 141          |
| 646                          | Beaver Gray-DK       | 39         | 15           | 37         | 15           | 36         | 14           |
| 676                          | Old Gold-LT          | 16         | 6            | 15         | 6            | 15         | 5            |
| 712                          | Cream                | 15         | 6            | 15         | 6            | 14         | 5            |
| 729                          | Old Gold-MD          | 32         | 12           | 30         | 12           | 29         | 11           |
| 734                          | Olive Green-LT       | 101        | 40           | 97         | 38           | 93         | 37           |
| 738                          | Tan-VY LT            | 141        | 55           | 136        | 53           | 131        | 51           |
| 739                          | Tan-UL VY LT         | 109        | 42           | 105        | 41           | 101        | 39           |
| 744                          | Yellow-Pale          | 81         | 32           | 78         | 30           | 75         | 29           |
| 745                          | Yellow-LT Pale       | 550        | 216          | 529        | 208          | 509        | 200          |
| 746                          | Off White            | 436        | 171          | 419        | 165          | 403        | 159          |
| 838                          | Beige Brown-VY DK    | 387        | 152          | 372        | 146          | 359        | 141          |
| 839                          | Beige Brown-DK       | 863        | 340          | 830        | 327          | 799        | 315          |
| 844                          | Beaver Brown-UL DK   | 1826       | 719          | 1756       | 691          | 1691       | 665          |

|      |                      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|
| 869  | Hazelnut Brown-VY DK | 21   | 8    | 20   | 8    | 19   | 7    |
| 922  | Copper-LT            | 14   | 5    | 14   | 5    | 13   | 5    |
| 934  | Black Avocado Green  | 964  | 379  | 927  | 365  | 893  | 351  |
| 938  | Coffee Brown-UL DK   | 417  | 163  | 401  | 157  | 386  | 151  |
| 945  | Tawny                | 48   | 18   | 46   | 17   | 44   | 17   |
| 975  | Golden Brown-DK      | 20   | 8    | 19   | 8    | 19   | 7    |
| 3011 | Khaki Green-DK       | 59   | 23   | 57   | 22   | 55   | 21   |
| 3013 | Khaki Green-LT       | 55   | 21   | 53   | 20   | 51   | 19   |
| 3021 | Brown Gray -VY DK    | 1948 | 766  | 1873 | 737  | 1803 | 709  |
| 3022 | Brown Gray -MD       | 37   | 14   | 35   | 14   | 34   | 13   |
| 3023 | Brown Gray -LT       | 18   | 6    | 17   | 6    | 17   | 6    |
| 3031 | Mocha Brown-VY DK    | 615  | 242  | 591  | 233  | 569  | 224  |
| 3032 | Mocha Brown-MD       | 207  | 81   | 199  | 78   | 191  | 75   |
| 3045 | Yellow Beige-DK      | 178  | 70   | 171  | 67   | 165  | 65   |
| 3046 | Yellow Beige-MD      | 408  | 161  | 393  | 154  | 378  | 149  |
| 3052 | Green Gray-MD        | 367  | 144  | 353  | 138  | 340  | 133  |
| 3064 | Desert Sand          | 34   | 13   | 33   | 12   | 31   | 12   |
| 3078 | Golden Yellow -VY LT | 307  | 121  | 296  | 116  | 285  | 112  |
| 3328 | Salmon-DK            | 57   | 22   | 55   | 21   | 53   | 21   |
| 3347 | Yellow Green-MD      | 86   | 33   | 82   | 32   | 79   | 31   |
| 3348 | Yellow Green-LT      | 192  | 76   | 185  | 73   | 178  | 70   |
| 3362 | Pine Green-DK        | 271  | 107  | 260  | 102  | 251  | 99   |
| 3363 | Pine Green-MD        | 422  | 166  | 406  | 159  | 391  | 153  |
| 3364 | Pine Green           | 317  | 125  | 305  | 120  | 293  | 115  |
| 3371 | Black Brown          | 5788 | 2278 | 5565 | 2190 | 5359 | 2109 |
| 3721 | Shell Pink-DK        | 42   | 16   | 40   | 15   | 39   | 15   |
| 3772 | Desert Sand-VY DK    | 49   | 19   | 47   | 18   | 45   | 17   |
| 3776 | Mahogany-LT          | 79   | 31   | 76   | 30   | 73   | 29   |
| 3778 | Terra Cotta-LT       | 30   | 12   | 29   | 11   | 28   | 11   |
| 3781 | Mocha Brown-DK       | 76   | 30   | 73   | 28   | 71   | 27   |
| 3787 | Brown Gray -DK       | 956  | 376  | 919  | 361  | 885  | 348  |
| 3790 | Beige Gray -UL DK    | 389  | 153  | 374  | 147  | 360  | 141  |
| 3799 | Pewter Gray -VY DK   | 6502 | 2560 | 6252 | 2461 | 6021 | 2370 |
| 3802 | Antique Mauve-VY DK  | 208  | 81   | 200  | 78   | 193  | 75   |
| 3822 | Straw -LT            | 27   | 10   | 26   | 10   | 25   | 9    |
| 3823 | Yellow -UL Pale      | 124  | 48   | 119  | 46   | 115  | 45   |
| 3825 | Pumpkin-Pale         | 469  | 184  | 451  | 177  | 435  | 171  |
| 3826 | Golden Brown         | 18   | 6    | 17   | 6    | 17   | 6    |
| 3827 | Golden Brown-Pale    | 140  | 55   | 134  | 53   | 129  | 51   |
| 3828 | Hazelnut Brown       | 96   | 37   | 92   | 36   | 89   | 35   |
| 3830 | Terra Cotta-MD       | 357  | 140  | 343  | 135  | 331  | 130  |
| 3855 | Autumn Gold-LT       | 421  | 166  | 405  | 159  | 390  | 153  |
| 3856 | Mahogany-UL VY LT    | 153  | 60   | 147  | 57   | 141  | 55   |
| 3858 | Rosewood-MD          | 177  | 69   | 170  | 66   | 164  | 64   |
| 3859 | Rosewood-LT          | 109  | 42   | 105  | 41   | 101  | 39   |
| 3860 | Cocoa                | 99   | 39   | 96   | 37   | 92   | 36   |
| 3862 | Mocha Beige-DK       | 282  | 110  | 271  | 106  | 261  | 102  |
| 3863 | Mocha Beige-MD       | 78   | 30   | 75   | 29   | 73   | 28   |
| 3864 | Mocha Beige-LT       | 121  | 48   | 116  | 46   | 112  | 44   |
| 3865 | Winter White         | 225  | 89   | 217  | 85   | 209  | 82   |

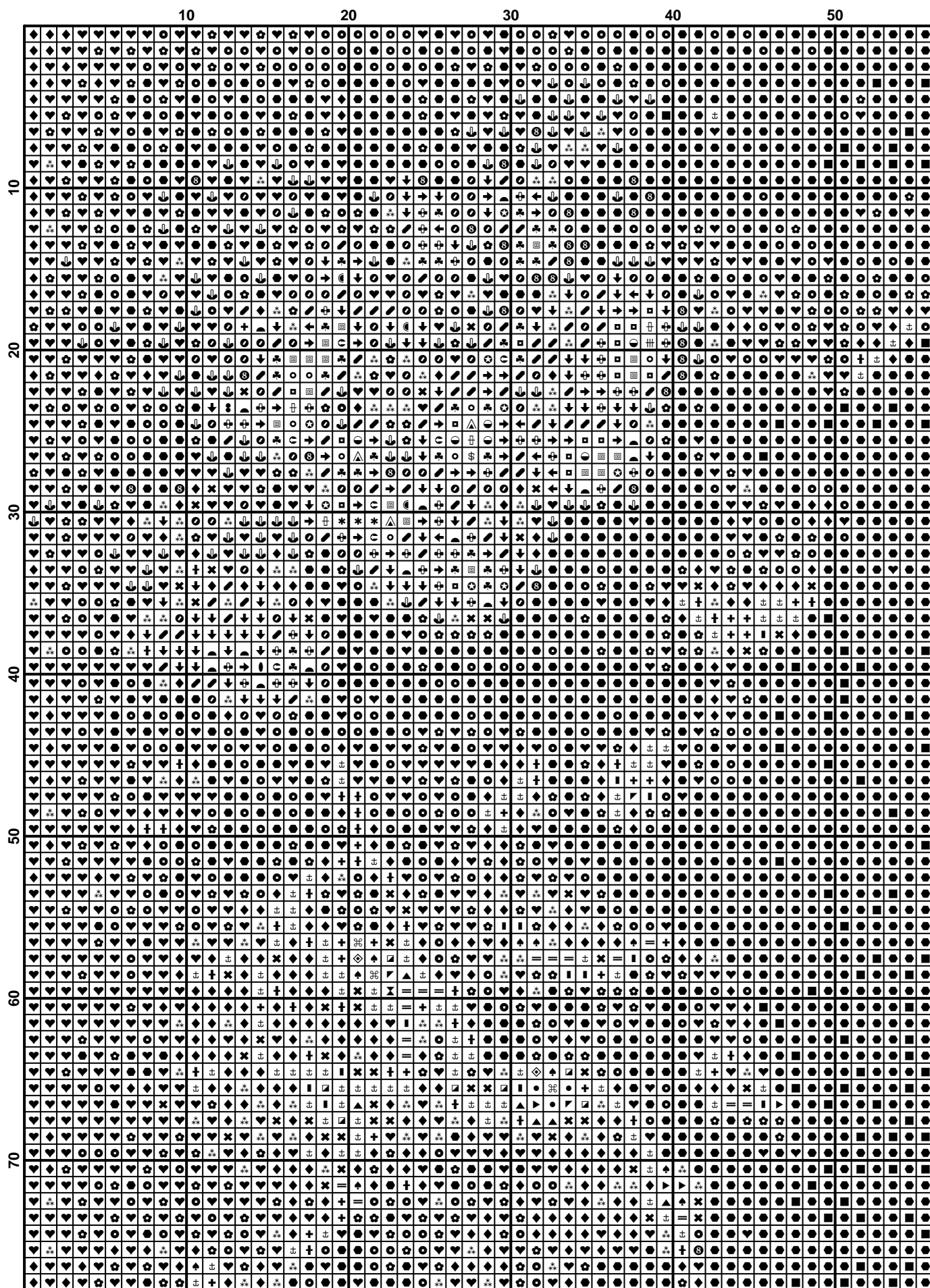
Extended thread usage table.

| DMC  | Name                 | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|------|----------------------|------------|--------------|------------|--------------|------------|--------------|
|      |                      | 28         |              | 30         |              | 32         |              |
| 310  | Black                | 153        | 60           | 143        | 56           | 134        | 52           |
| 315  | Antique Mauve-VY DK  | 248        | 97           | 232        | 91           | 217        | 85           |
| 351  | Coral                | 138        | 54           | 128        | 50           | 120        | 47           |
| 355  | Terra Cotta-DK       | 18         | 7            | 17         | 7            | 16         | 6            |
| 356  | Terra Cotta-MD       | 188        | 73           | 175        | 68           | 164        | 64           |
| 370  | Mustard-MD           | 50         | 19           | 46         | 18           | 43         | 17           |
| 371  | Mustard              | 366        | 144          | 342        | 134          | 321        | 126          |
| 372  | Mustard-LT           | 161        | 63           | 150        | 59           | 141        | 55           |
| 402  | Mahogany-VY LT       | 238        | 93           | 222        | 87           | 208        | 82           |
| 407  | Desert Sand-DK       | 78         | 30           | 73         | 28           | 68         | 26           |
| 420  | Hazelnut Brown-DK    | 75         | 29           | 70         | 27           | 65         | 25           |
| 422  | Hazelnut Brown-LT    | 68         | 26           | 64         | 25           | 60         | 23           |
| 436  | Tan                  | 171        | 67           | 160        | 62           | 150        | 59           |
| 437  | Tan-LT               | 152        | 60           | 142        | 56           | 133        | 52           |
| 445  | Lemon-LT             | 98         | 39           | 92         | 36           | 86         | 34           |
| 524  | Fern Green-VY LT     | 27         | 10           | 25         | 10           | 24         | 9            |
| 535  | Ash Gray-VY LT       | 498        | 195          | 464        | 182          | 435        | 171          |
| 543  | Beige Brown-UL VY LT | 9          | 3            | 8          | 3            | 8          | 3            |
| 610  | Drab Brown-DK        | 95         | 37           | 88         | 34           | 83         | 32           |
| 611  | Drab Brown           | 361        | 141          | 337        | 132          | 316        | 124          |
| 612  | Drab Brown-LT        | 280        | 110          | 261        | 103          | 245        | 96           |
| 613  | Drab Brown-VY LT     | 55         | 21           | 51         | 20           | 48         | 19           |
| 632  | Desert Sand-UL VY DK | 150        | 59           | 140        | 55           | 132        | 52           |
| 640  | Beige Gray-VY DK     | 395        | 155          | 368        | 145          | 345        | 136          |
| 642  | Beige Gray-DK        | 63         | 24           | 59         | 23           | 55         | 21           |
| 645  | Beaver Gray-VY DK    | 345        | 136          | 322        | 127          | 302        | 119          |
| 646  | Beaver Gray-DK       | 35         | 14           | 32         | 13           | 30         | 12           |
| 676  | Old Gold-LT          | 14         | 5            | 13         | 5            | 12         | 5            |
| 712  | Cream                | 14         | 5            | 13         | 5            | 12         | 5            |
| 729  | Old Gold-MD          | 28         | 11           | 26         | 10           | 25         | 10           |
| 734  | Olive Green-LT       | 90         | 35           | 84         | 33           | 79         | 31           |
| 738  | Tan-VY LT            | 126        | 50           | 118        | 46           | 110        | 43           |
| 739  | Tan-UL VY LT         | 97         | 38           | 91         | 35           | 85         | 33           |
| 744  | Yellow -Pale         | 72         | 28           | 67         | 26           | 63         | 25           |
| 745  | Yellow -LT Pale      | 491        | 193          | 458        | 180          | 430        | 169          |
| 746  | Off White            | 389        | 153          | 363        | 143          | 340        | 134          |
| 838  | Beige Brown-VY DK    | 346        | 136          | 323        | 127          | 303        | 119          |
| 839  | Beige Brown-DK       | 771        | 303          | 719        | 283          | 674        | 266          |
| 844  | Beaver Brown-UL DK   | 1630       | 642          | 1522       | 599          | 1427       | 561          |
| 869  | Hazelnut Brown-VY DK | 19         | 7            | 17         | 7            | 16         | 6            |
| 922  | Copper-LT            | 13         | 5            | 12         | 4            | 11         | 4            |
| 934  | Black Avocado Green  | 861        | 339          | 803        | 316          | 753        | 296          |
| 938  | Coffee Brown-UL DK   | 372        | 146          | 347        | 136          | 326        | 128          |
| 945  | Tawny                | 42         | 16           | 40         | 15           | 37         | 14           |
| 975  | Golden Brown-DK      | 18         | 7            | 17         | 7            | 16         | 6            |
| 3011 | Khaki Green-DK       | 53         | 21           | 49         | 19           | 46         | 18           |
| 3013 | Khaki Green-LT       | 49         | 19           | 46         | 17           | 43         | 16           |
| 3021 | Brown Gray-VY DK     | 1739       | 684          | 1623       | 638          | 1522       | 599          |
| 3022 | Brown Gray-MD        | 33         | 13           | 31         | 12           | 29         | 11           |
| 3023 | Brown Gray-LT        | 16         | 6            | 15         | 5            | 14         | 5            |
| 3031 | Mocha Brown-VY DK    | 549        | 216          | 512        | 202          | 480        | 189          |
| 3032 | Mocha Brown-MD       | 185        | 72           | 172        | 67           | 161        | 63           |
| 3045 | Yellow Beige-DK      | 159        | 62           | 148        | 58           | 139        | 55           |
| 3046 | Yellow Beige-MD      | 365        | 143          | 340        | 134          | 319        | 125          |

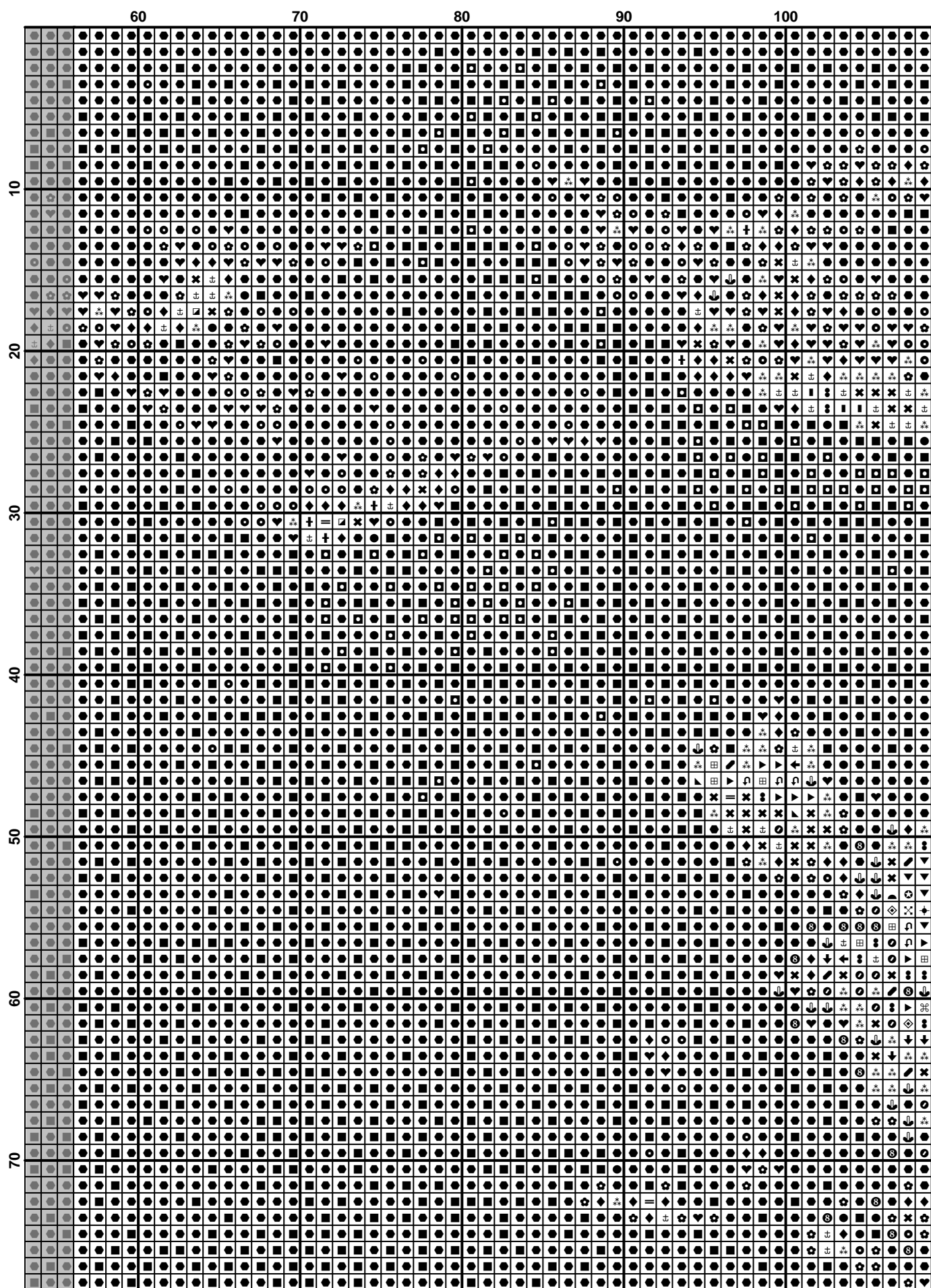
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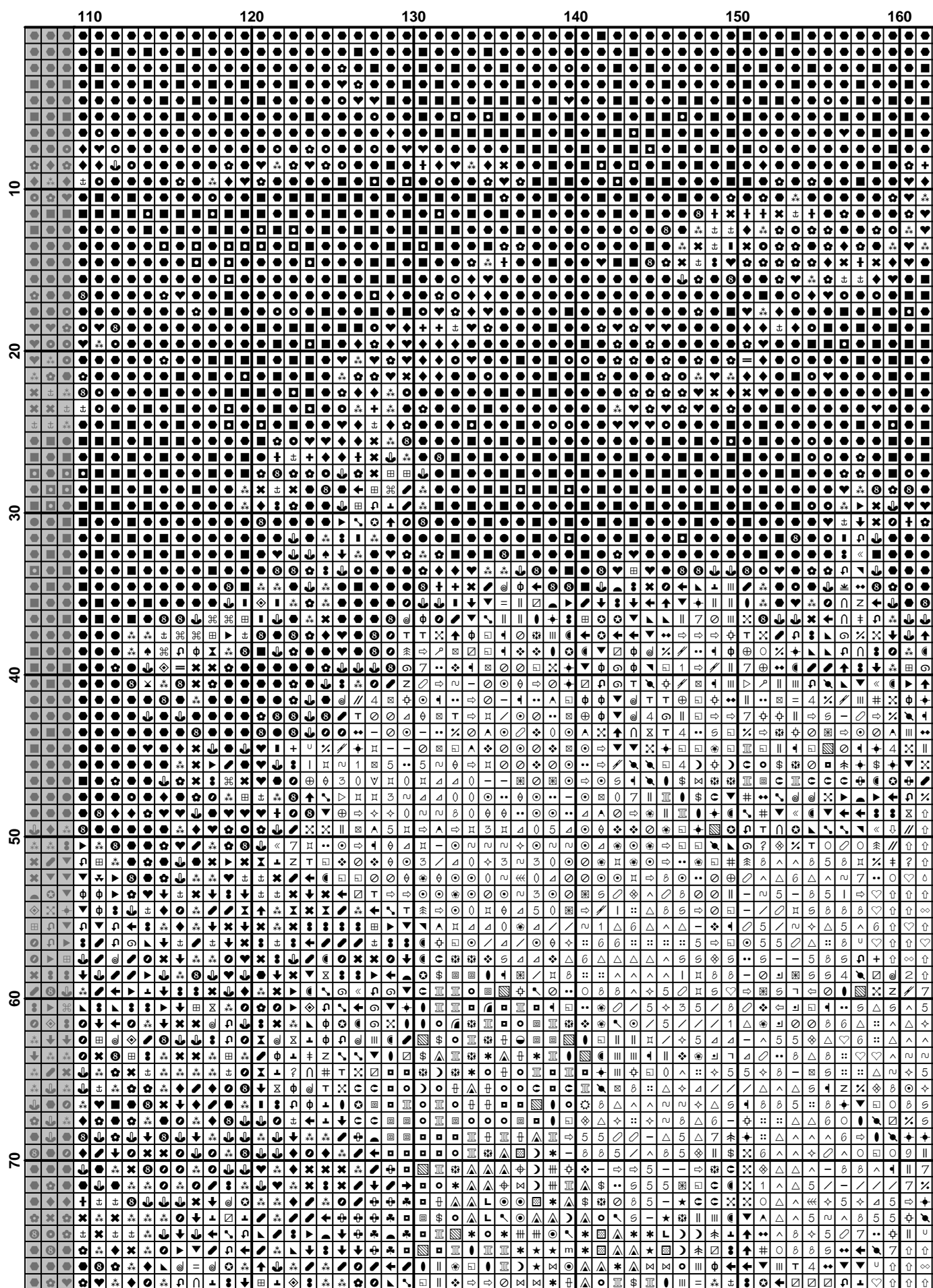
Internet: [www.goldenkite.com](http://www.goldenkite.com)e-mail: [info@goldenkite.com](mailto:info@goldenkite.com)

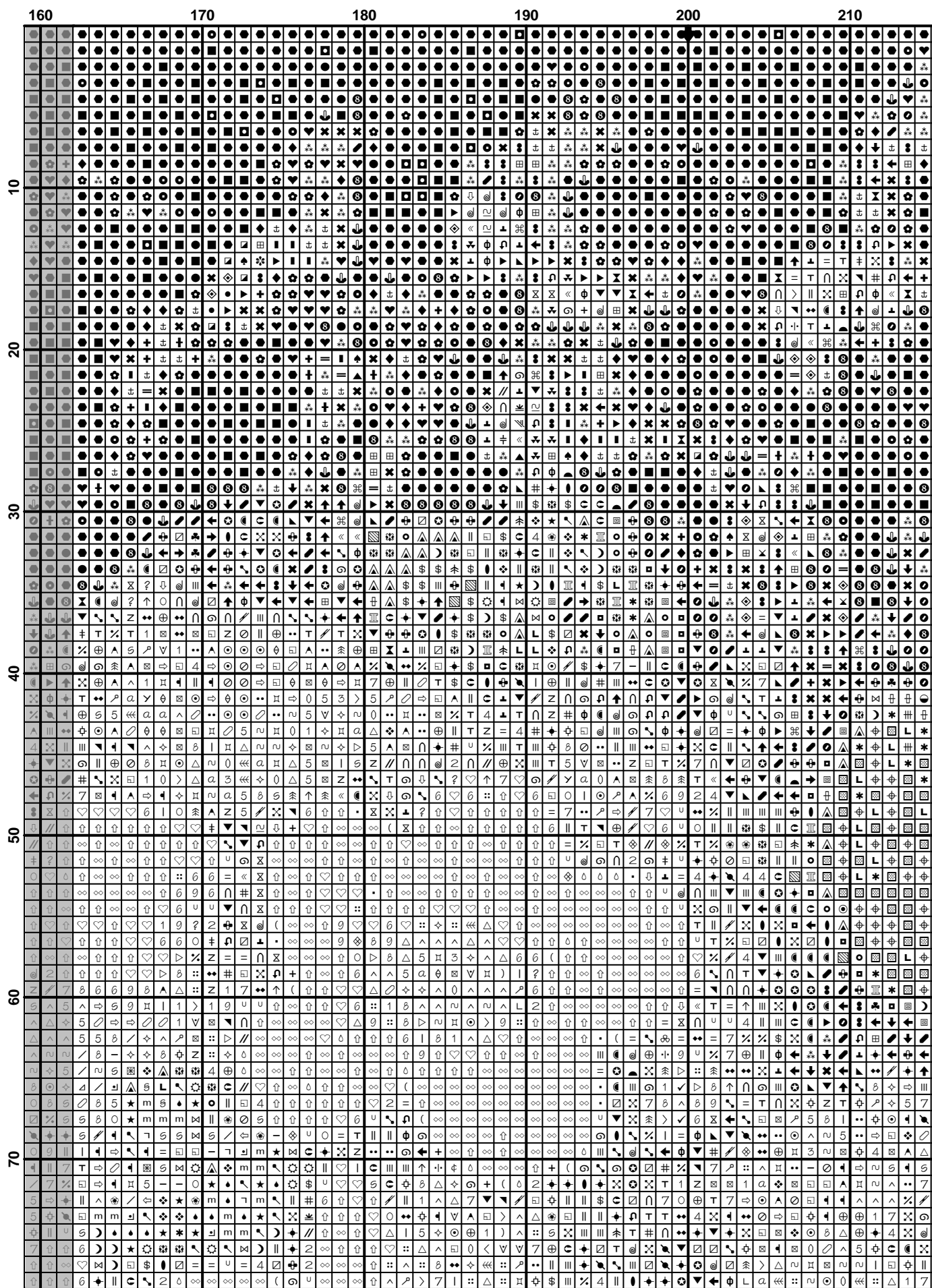
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|------|---------------------|------|------|------|------|------|------|
| 3052 | Green Gray-MD       | 328  | 129  | 306  | 120  | 287  | 113  |
| 3064 | Desert Sand         | 30   | 12   | 28   | 11   | 26   | 10   |
| 3078 | Golden Yellow-VY LT | 275  | 108  | 256  | 101  | 240  | 95   |
| 3328 | Salmon-DK           | 51   | 20   | 47   | 19   | 44   | 17   |
| 3347 | Yellow Green-MD     | 77   | 30   | 71   | 28   | 67   | 26   |
| 3348 | Yellow Green-LT     | 172  | 68   | 160  | 63   | 150  | 59   |
| 3362 | Pine Green-DK       | 242  | 95   | 226  | 89   | 212  | 83   |
| 3363 | Pine Green-MD       | 377  | 148  | 352  | 138  | 330  | 129  |
| 3364 | Pine Green          | 283  | 111  | 264  | 104  | 248  | 97   |
| 3371 | Black Brown         | 5168 | 2034 | 4823 | 1898 | 4522 | 1780 |
| 3721 | Shell Pink-DK       | 37   | 14   | 35   | 13   | 33   | 12   |
| 3772 | Desert Sand-VY DK   | 44   | 17   | 41   | 16   | 38   | 15   |
| 3776 | Mahogany-LT         | 71   | 28   | 66   | 26   | 62   | 24   |
| 3778 | Terra Cotta-LT      | 27   | 10   | 25   | 10   | 24   | 9    |
| 3781 | Mocha Brown-DK      | 68   | 26   | 64   | 25   | 60   | 23   |
| 3787 | Brown Gray -DK      | 854  | 336  | 797  | 313  | 747  | 294  |
| 3790 | Beige Gray-UL DK    | 347  | 136  | 324  | 127  | 304  | 119  |
| 3799 | Pewter Gray-VY DK   | 5806 | 2285 | 5419 | 2133 | 5080 | 2000 |
| 3802 | Antique Mauve-VY DK | 186  | 73   | 173  | 68   | 163  | 64   |
| 3822 | Straw-LT            | 24   | 9    | 23   | 8    | 21   | 8    |
| 3823 | Yellow-UL Pale      | 111  | 43   | 103  | 40   | 97   | 38   |
| 3825 | Pumpkin-Pale        | 419  | 165  | 391  | 154  | 367  | 144  |
| 3826 | Golden Brown        | 16   | 6    | 15   | 5    | 14   | 5    |
| 3827 | Golden Brown-Pale   | 125  | 49   | 116  | 46   | 109  | 43   |
| 3828 | Hazelnut Brown      | 86   | 33   | 80   | 31   | 75   | 29   |
| 3830 | Terra Cotta-MD      | 319  | 125  | 298  | 117  | 279  | 110  |
| 3855 | Autumn Gold-LT      | 376  | 148  | 351  | 138  | 329  | 129  |
| 3856 | Mahogany-UL VY LT   | 136  | 53   | 127  | 50   | 119  | 47   |
| 3858 | Rosewood-MD         | 158  | 62   | 148  | 58   | 138  | 54   |
| 3859 | Rosewood-LT         | 98   | 38   | 91   | 35   | 86   | 33   |
| 3860 | Cocoa               | 89   | 35   | 83   | 32   | 78   | 30   |
| 3862 | Mocha Beige-DK      | 251  | 98   | 235  | 92   | 220  | 86   |
| 3863 | Mocha Beige-MD      | 70   | 27   | 65   | 25   | 61   | 24   |
| 3864 | Mocha Beige-LT      | 108  | 42   | 101  | 40   | 95   | 37   |
| 3865 | Winter White        | 201  | 79   | 188  | 74   | 176  | 69   |

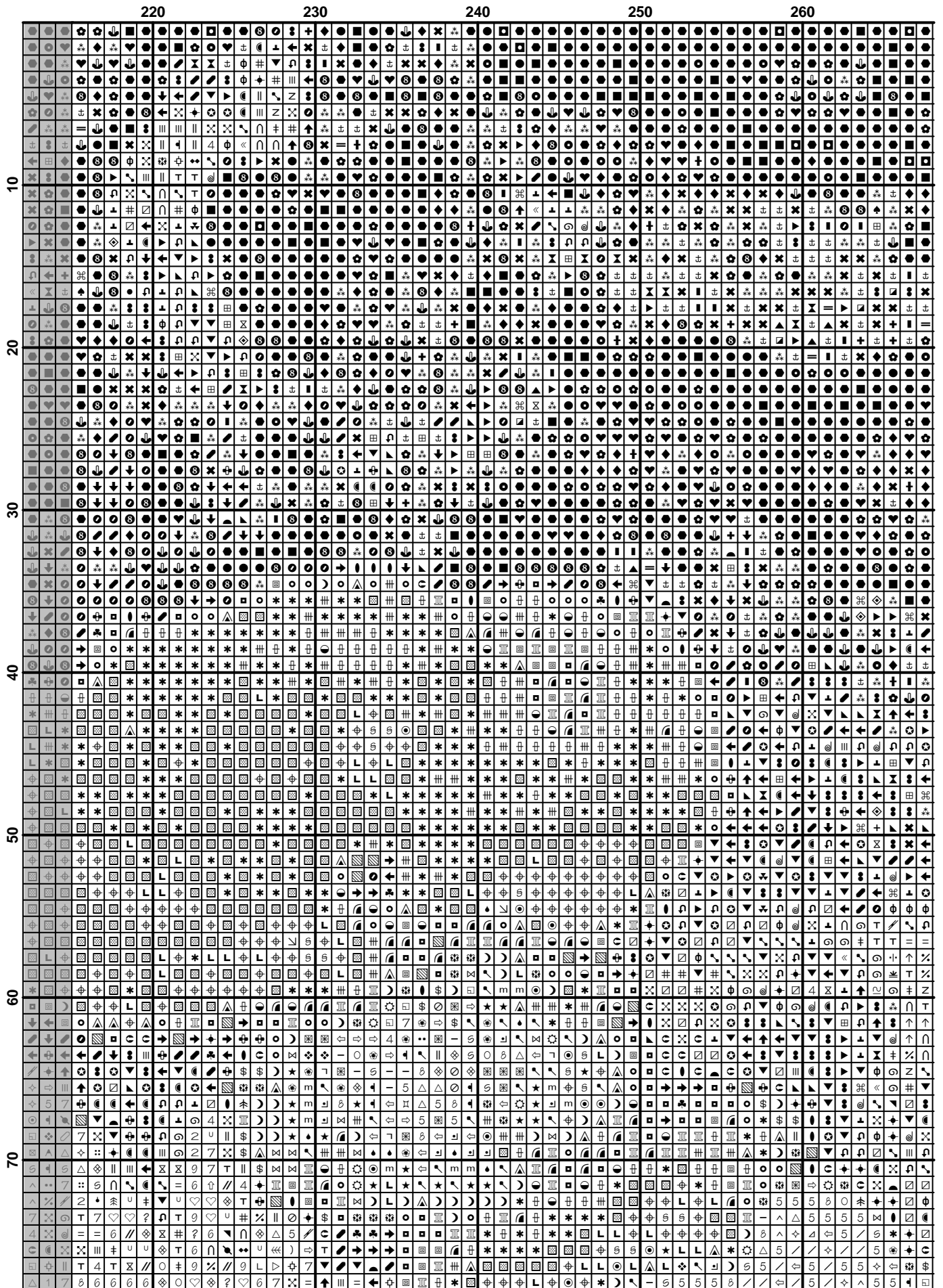


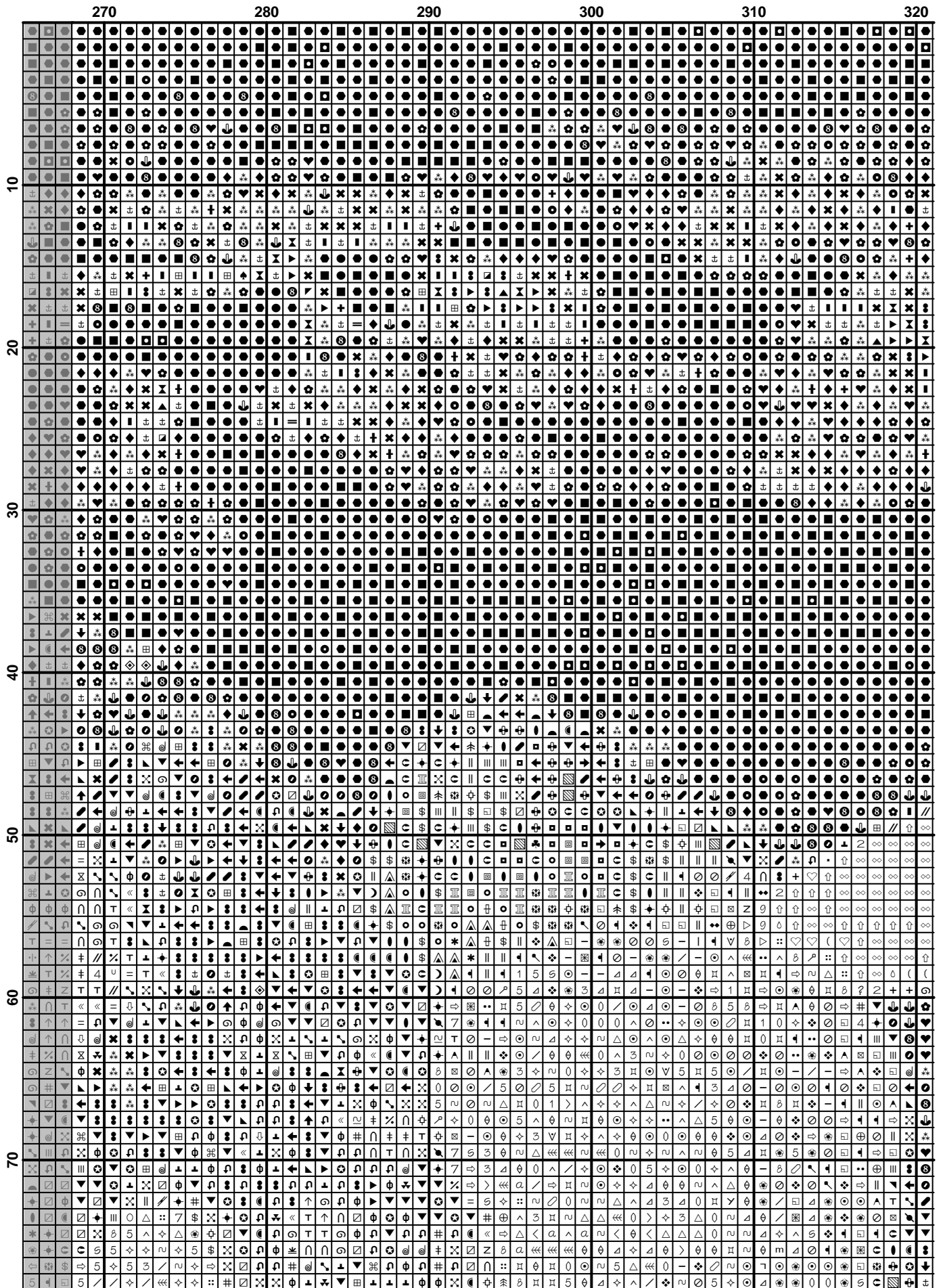


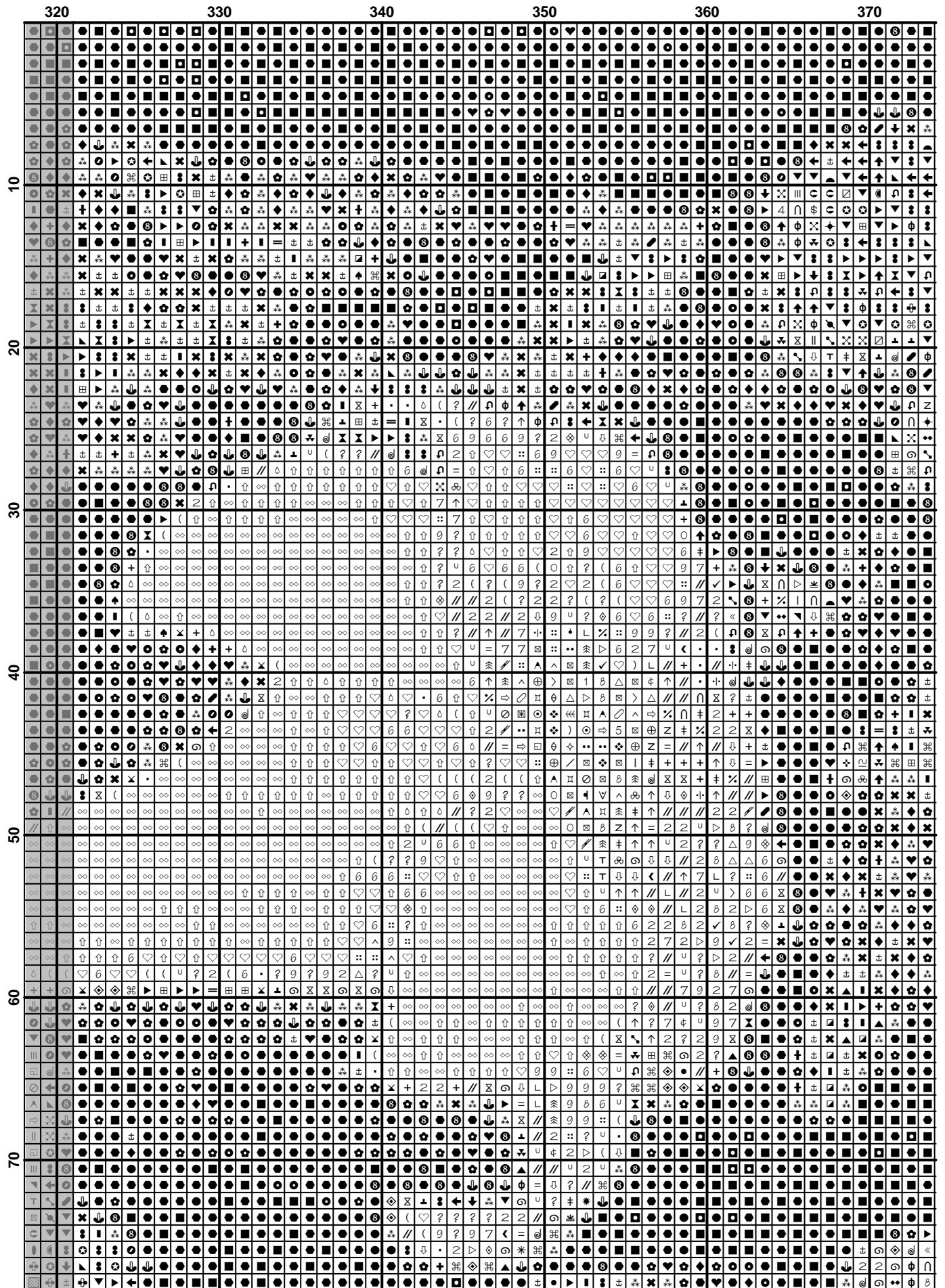




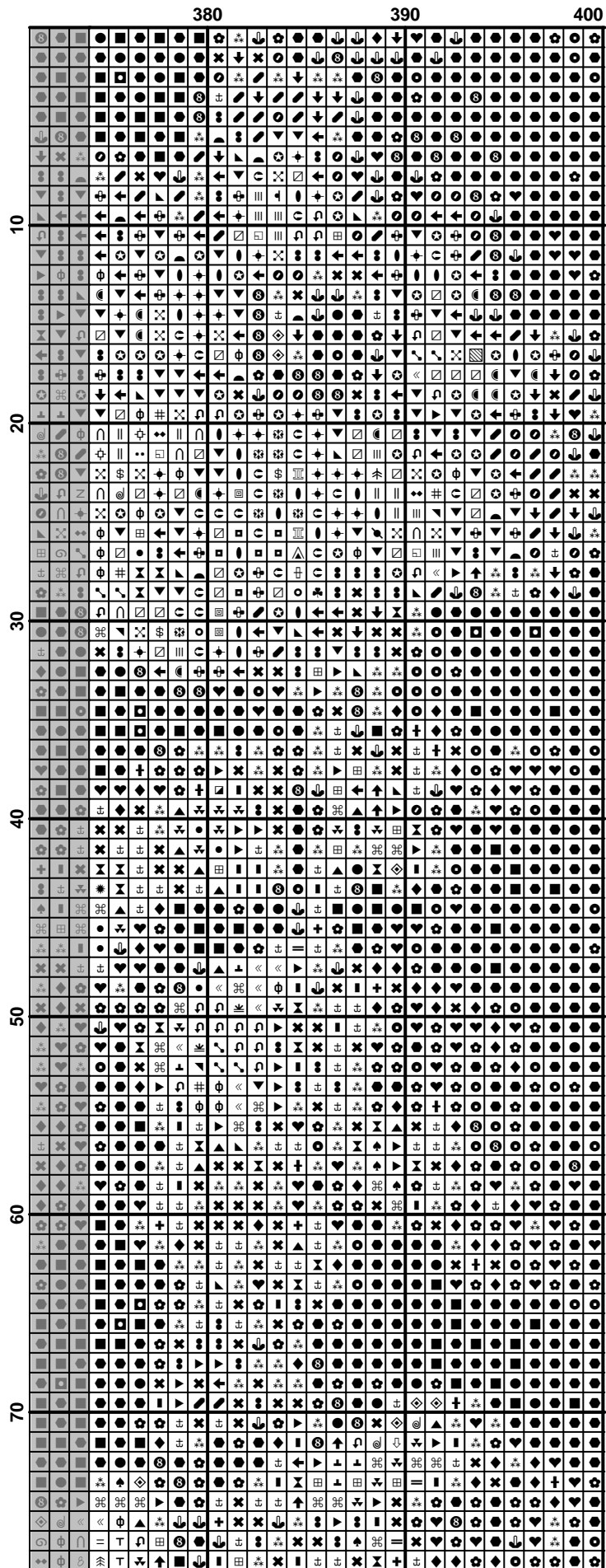


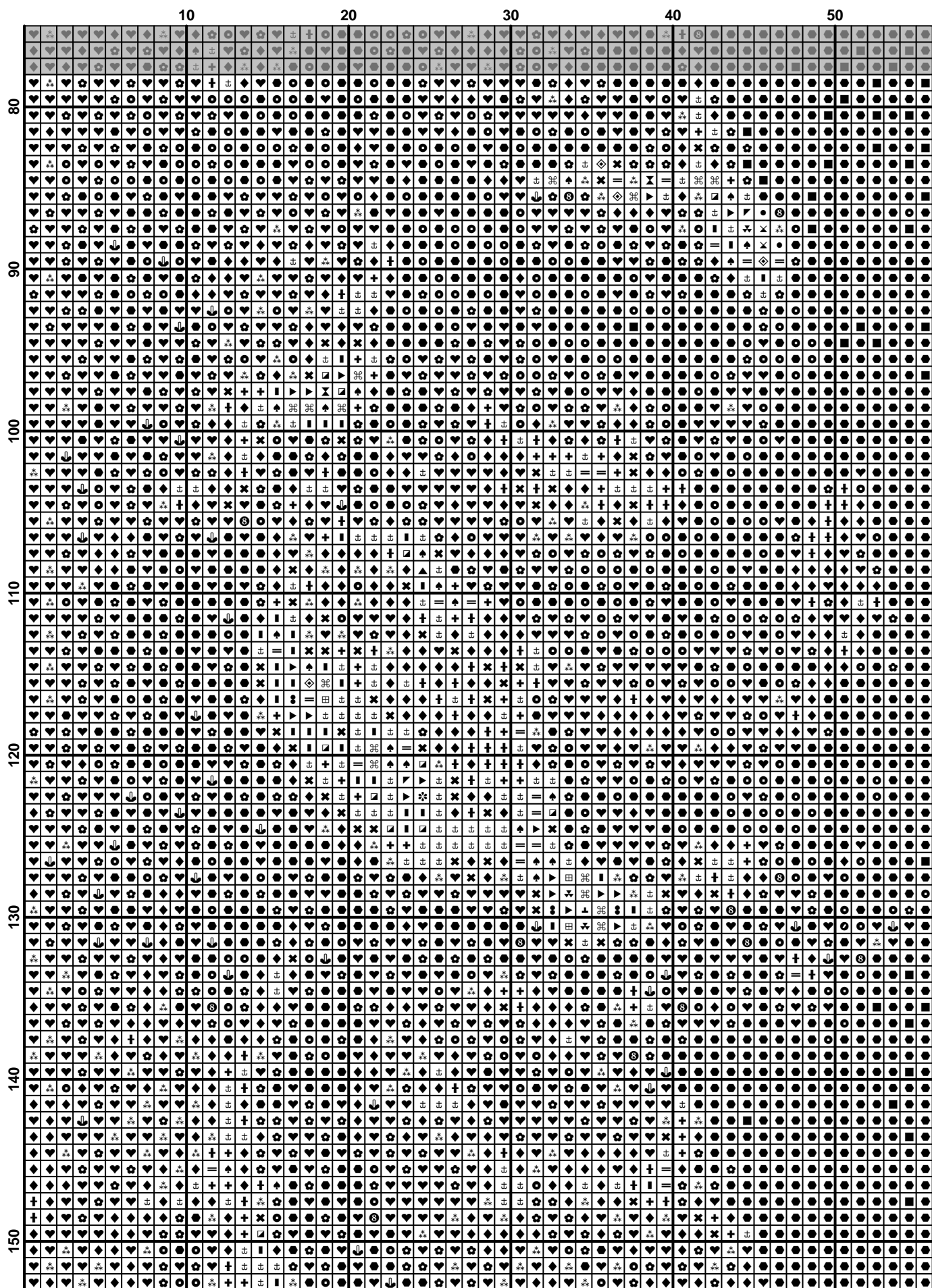


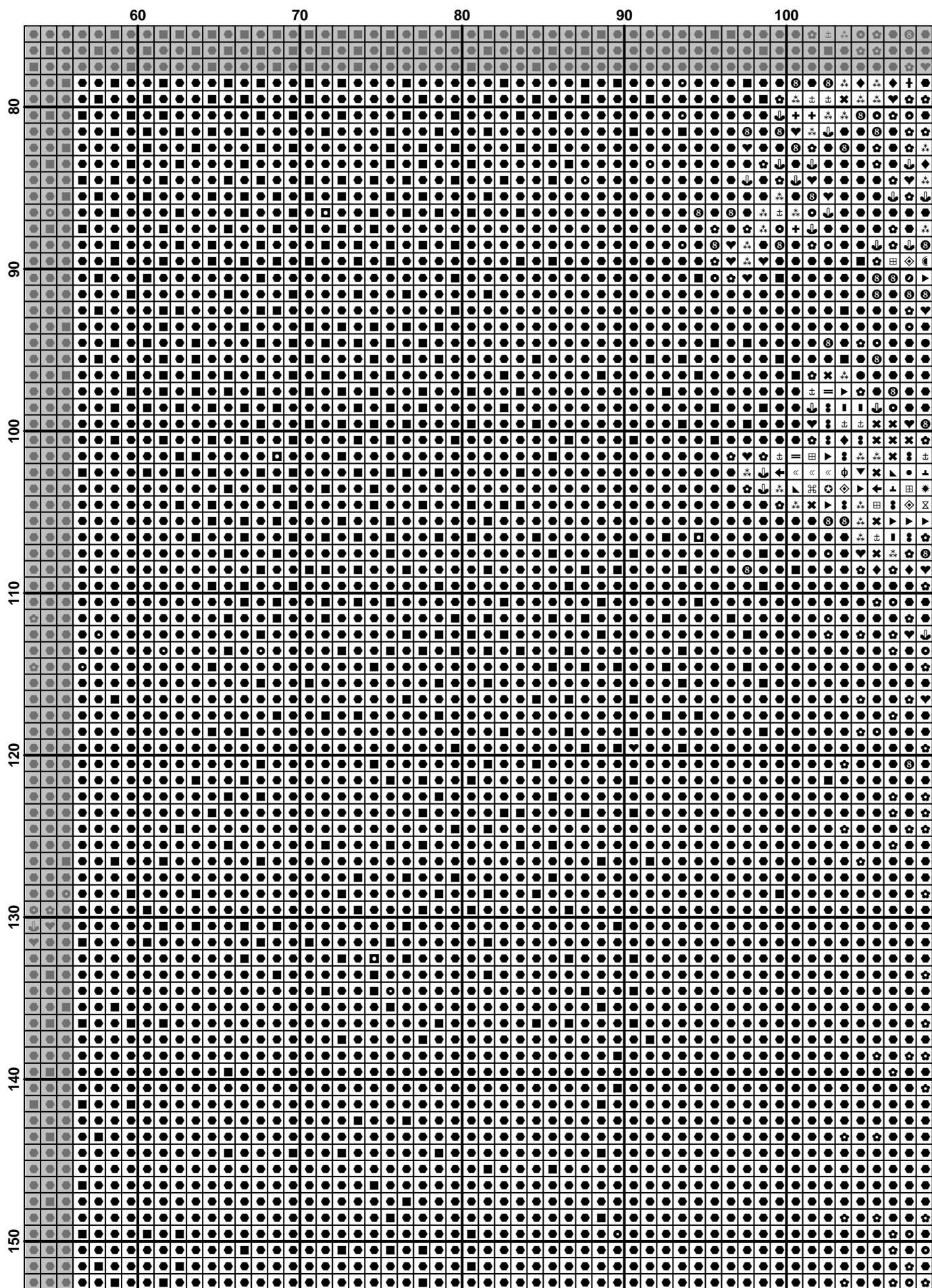




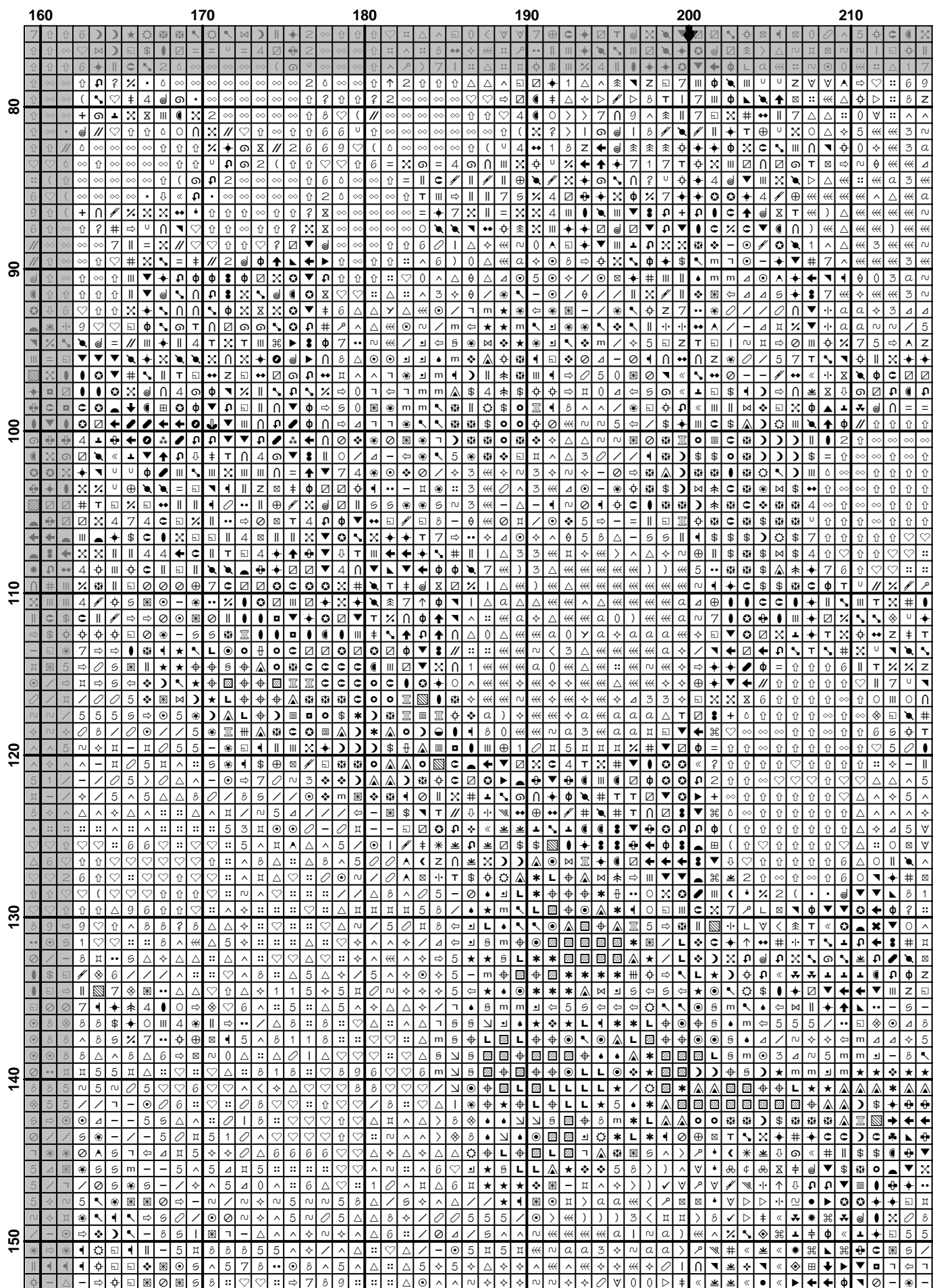


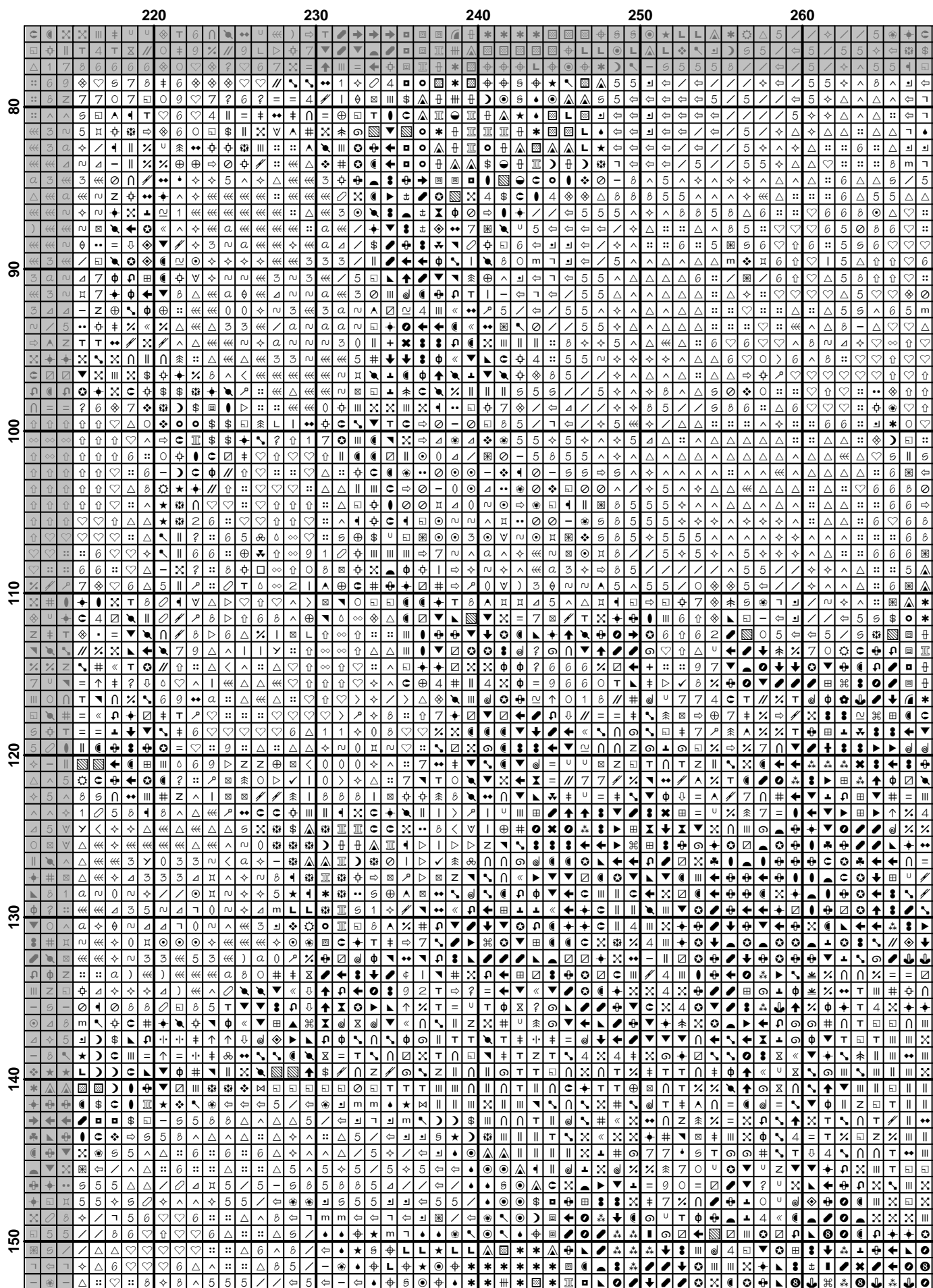




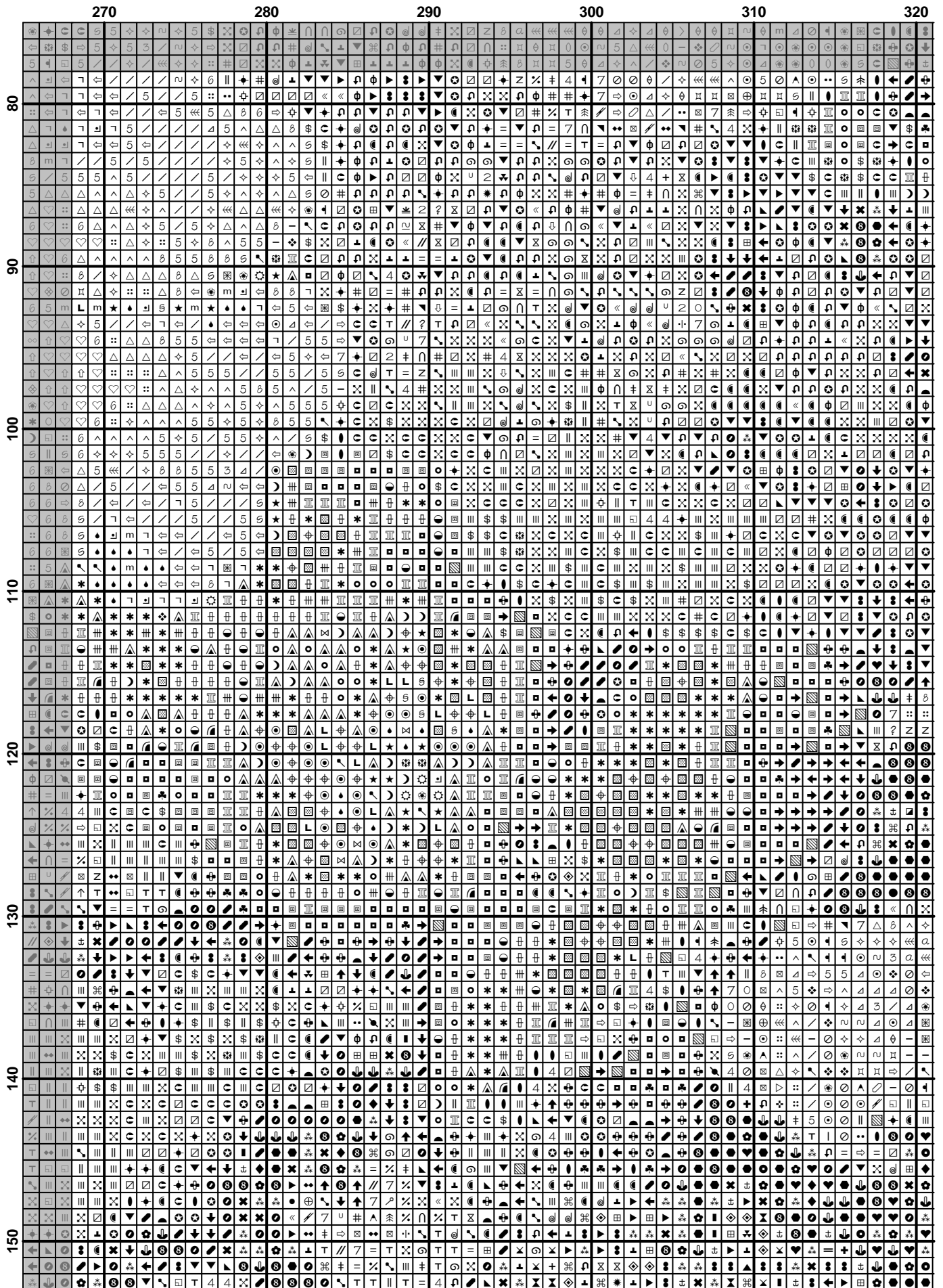


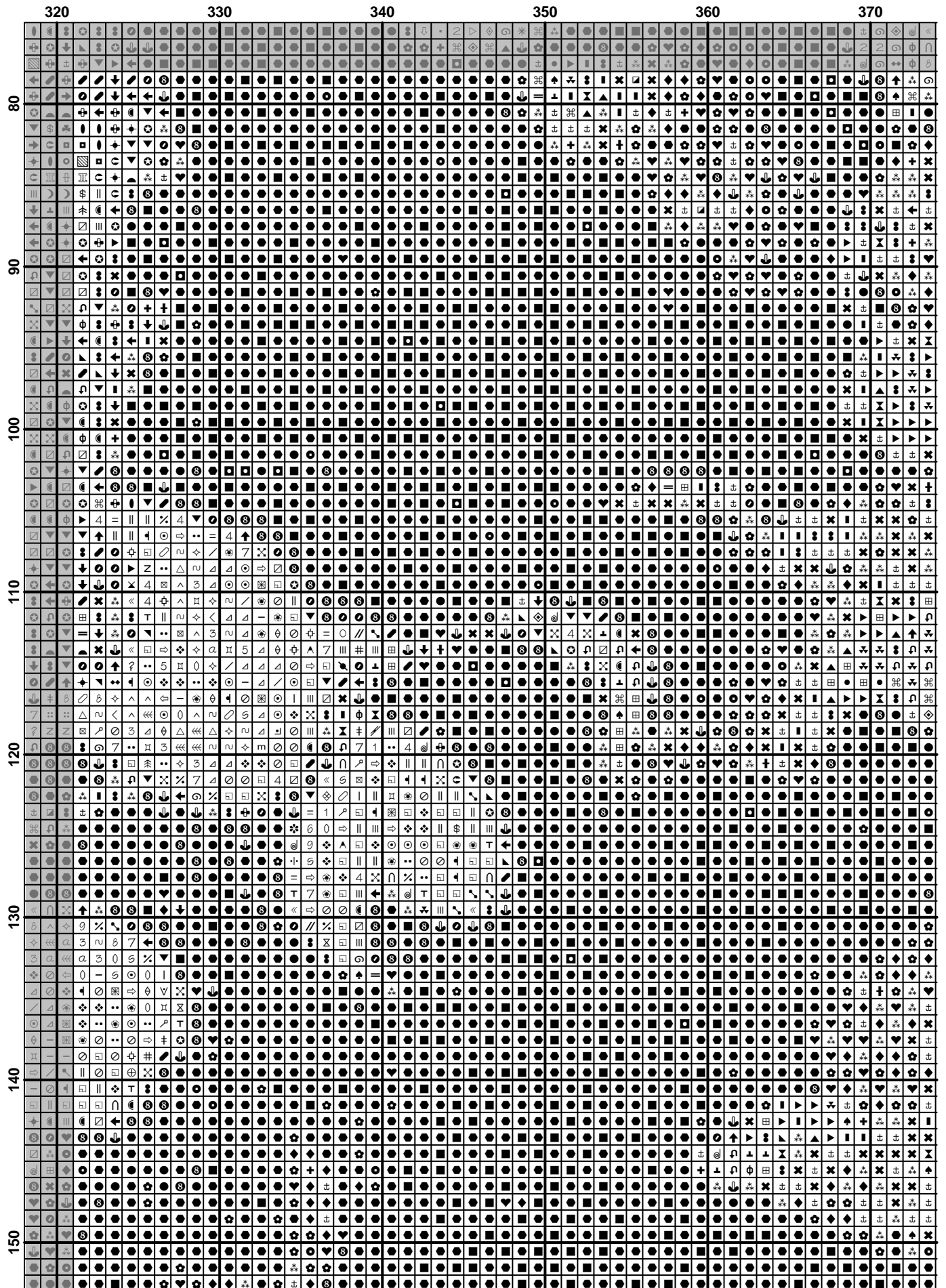
|     | 110 | 120 | 130 | 140 | 150 | 160 |
|-----|-----|-----|-----|-----|-----|-----|
| 80  |     |     |     |     |     |     |
| 90  |     |     |     |     |     |     |
| 100 |     |     |     |     |     |     |
| 110 |     |     |     |     |     |     |
| 120 |     |     |     |     |     |     |
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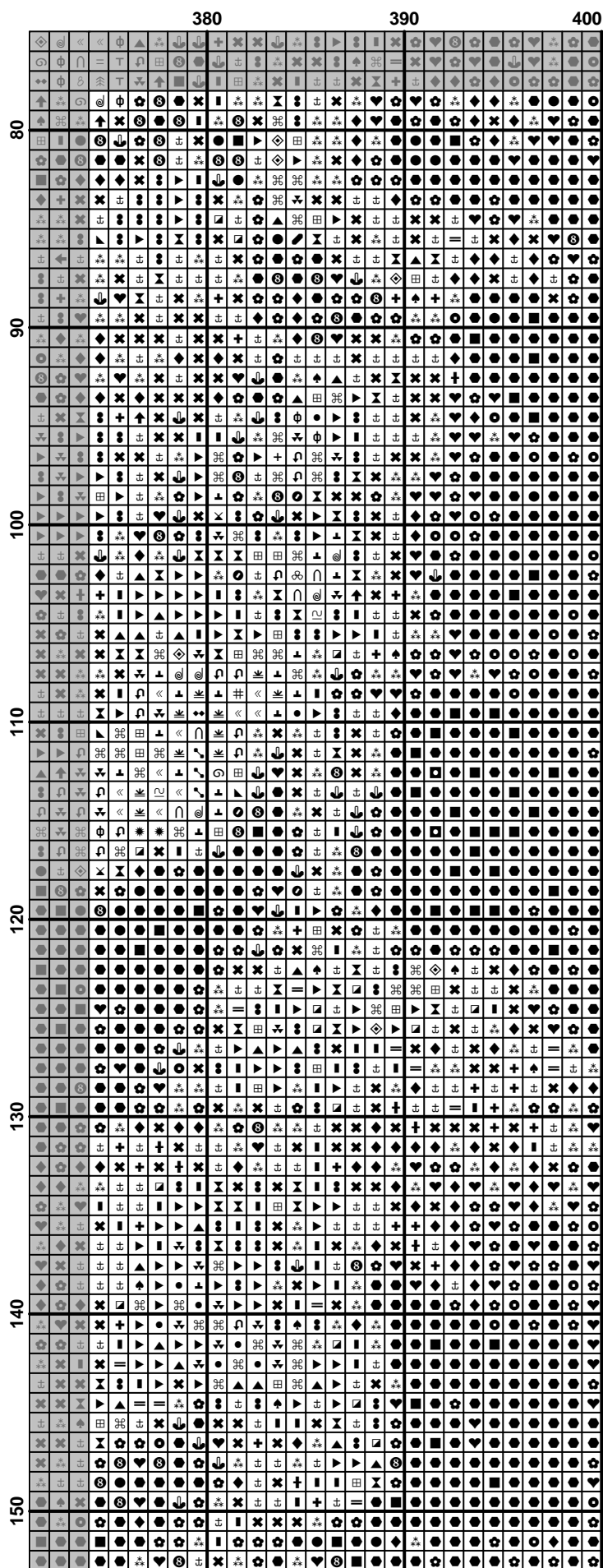


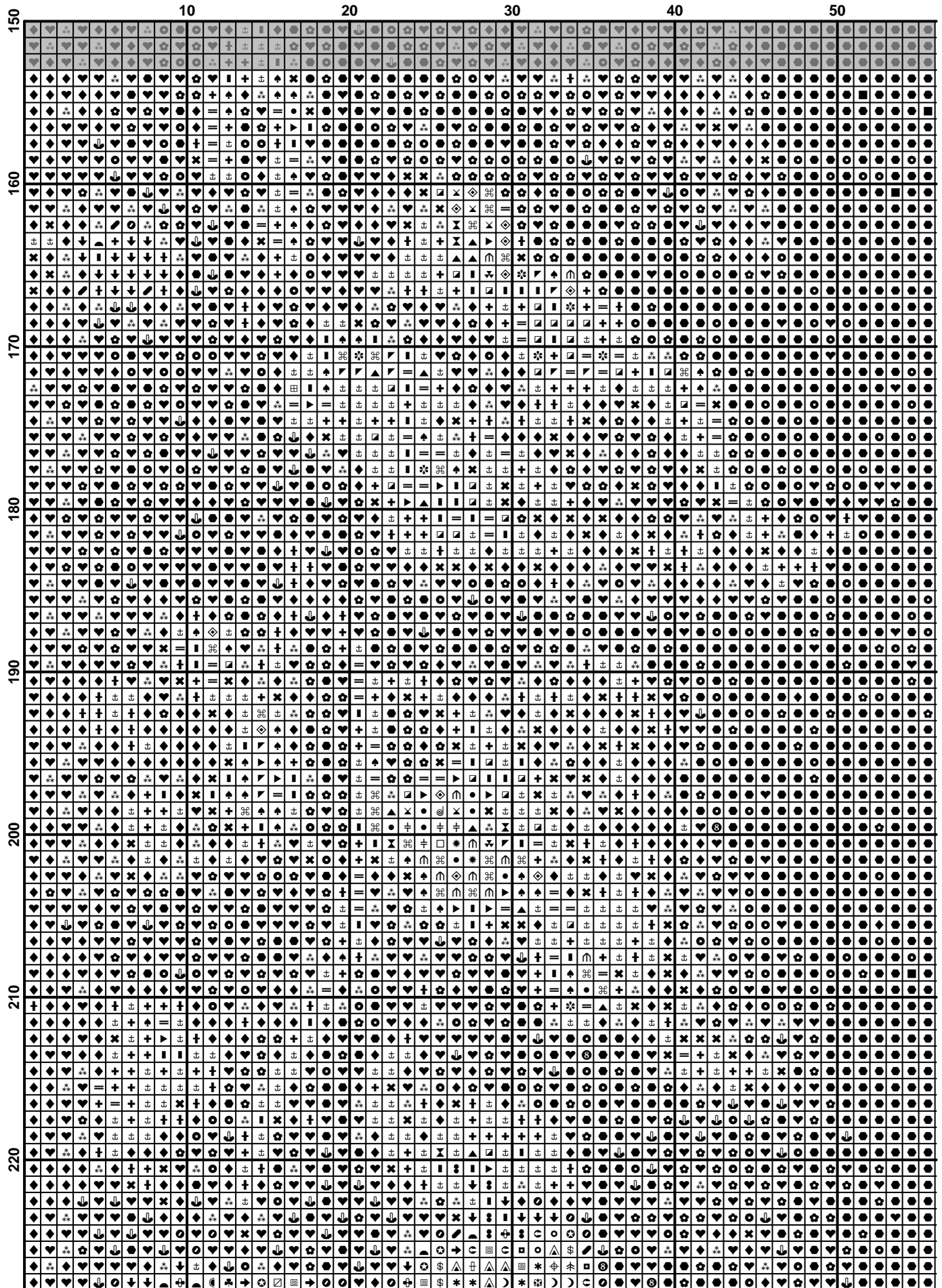


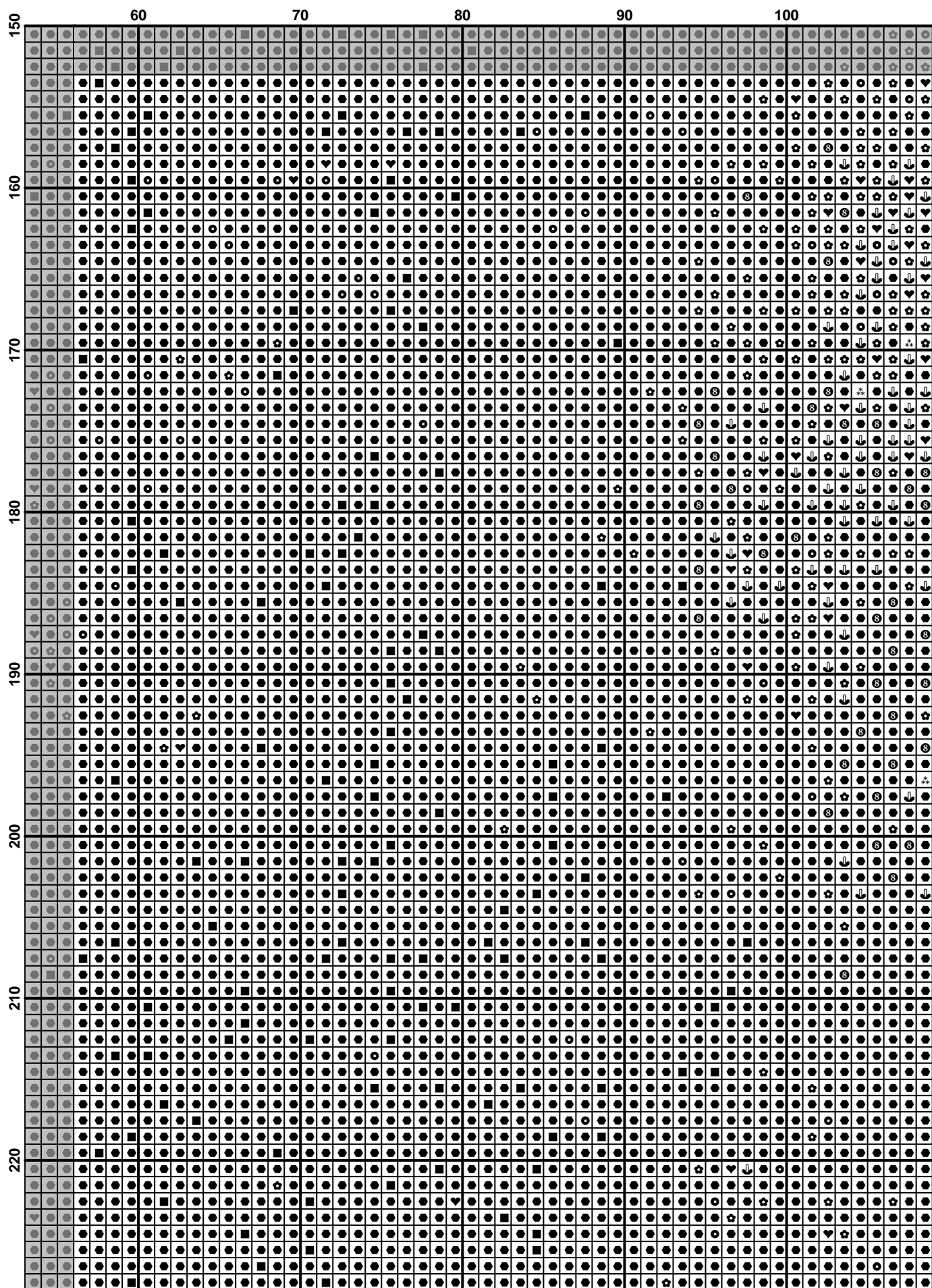


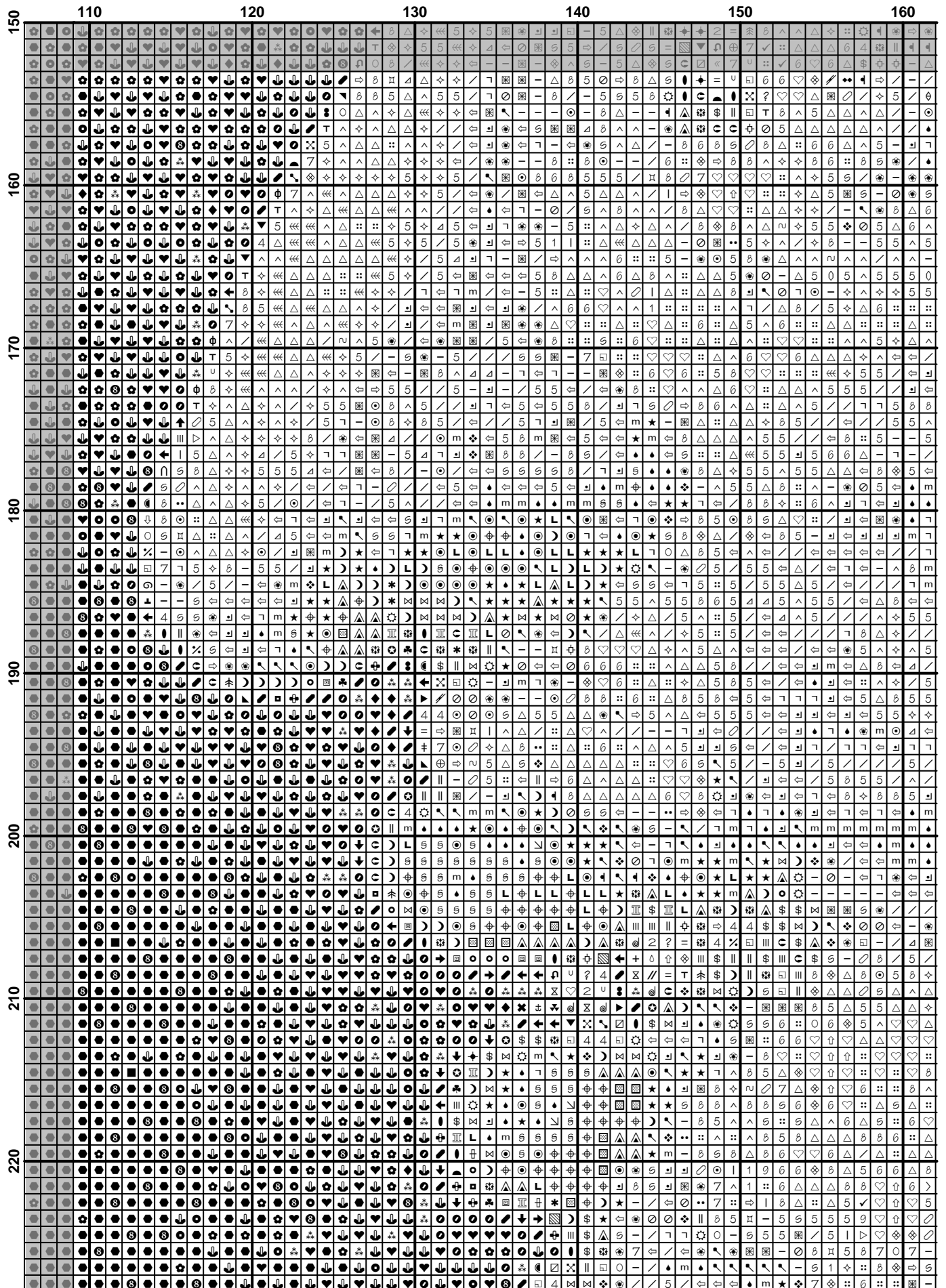










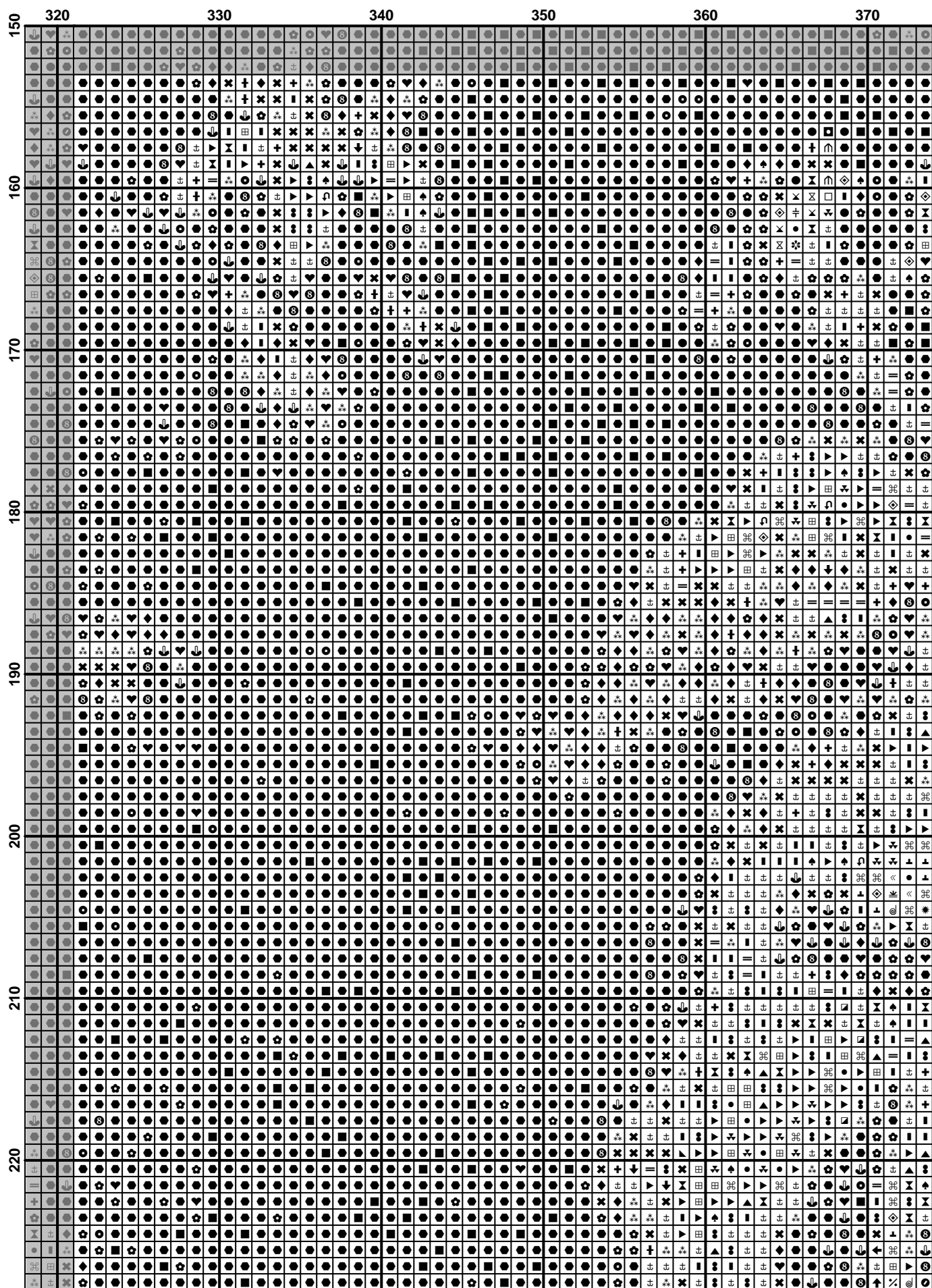


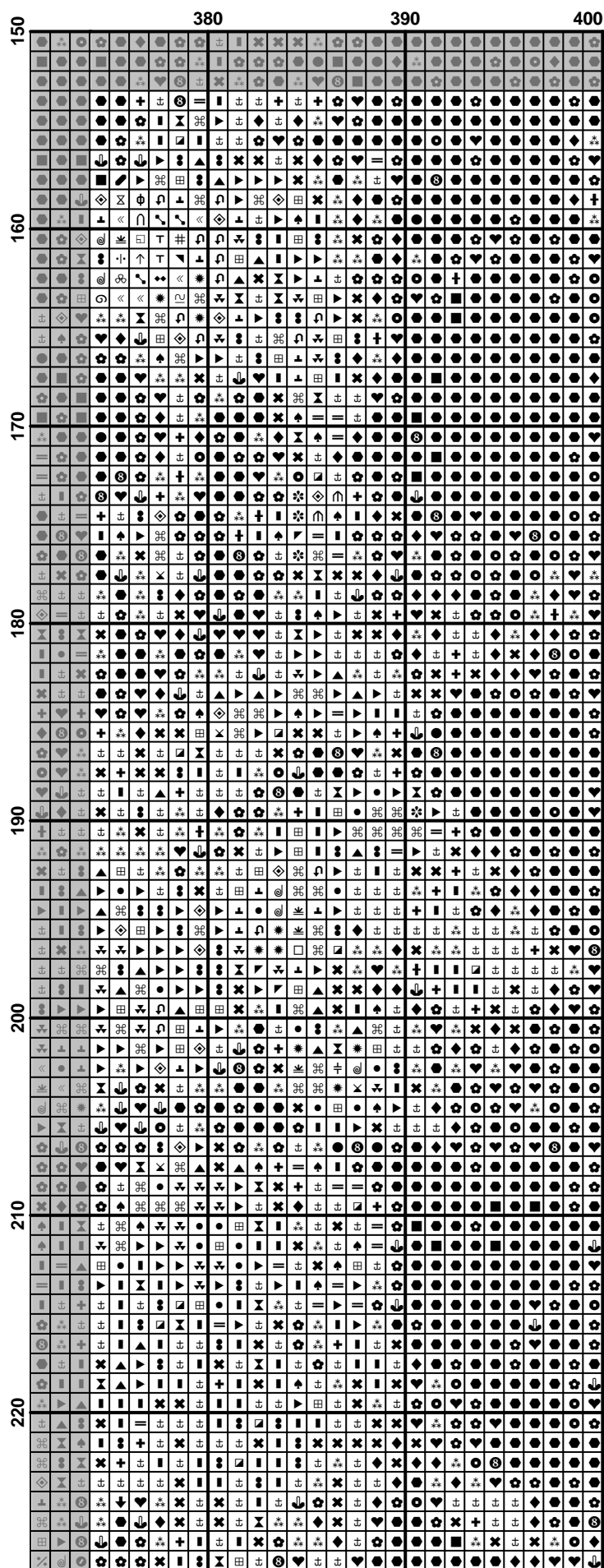


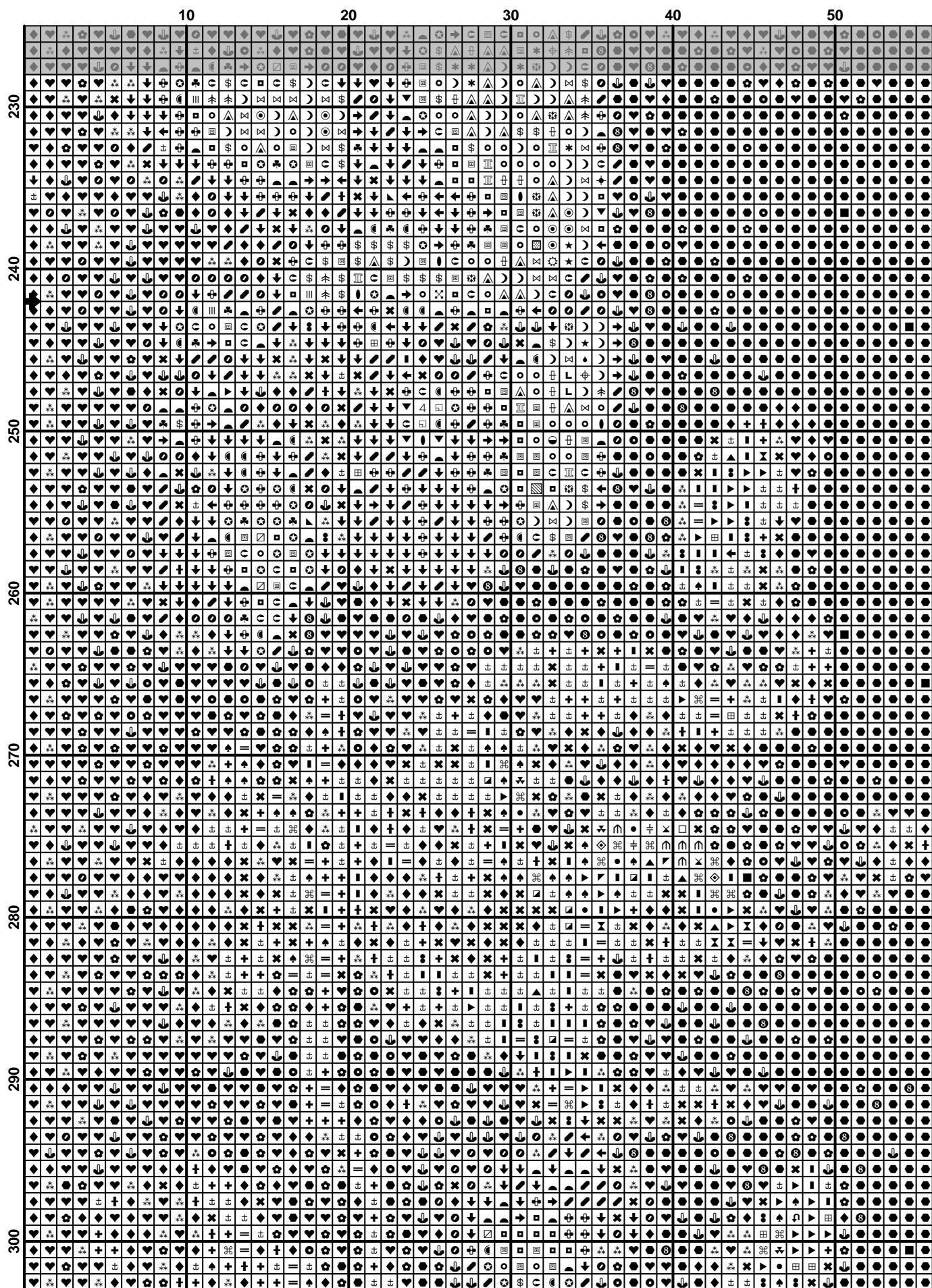
| 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|-----|-----|-----|-----|-----|-----|-----|
| 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| 160 | 160 | 170 | 180 | 190 | 200 | 210 |
| 170 | 160 | 170 | 180 | 190 | 200 | 210 |
| 180 | 160 | 170 | 180 | 190 | 200 | 210 |
| 190 | 160 | 170 | 180 | 190 | 200 | 210 |
| 200 | 160 | 170 | 180 | 190 | 200 | 210 |
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| 220 | 160 | 170 | 180 | 190 | 200 | 210 |

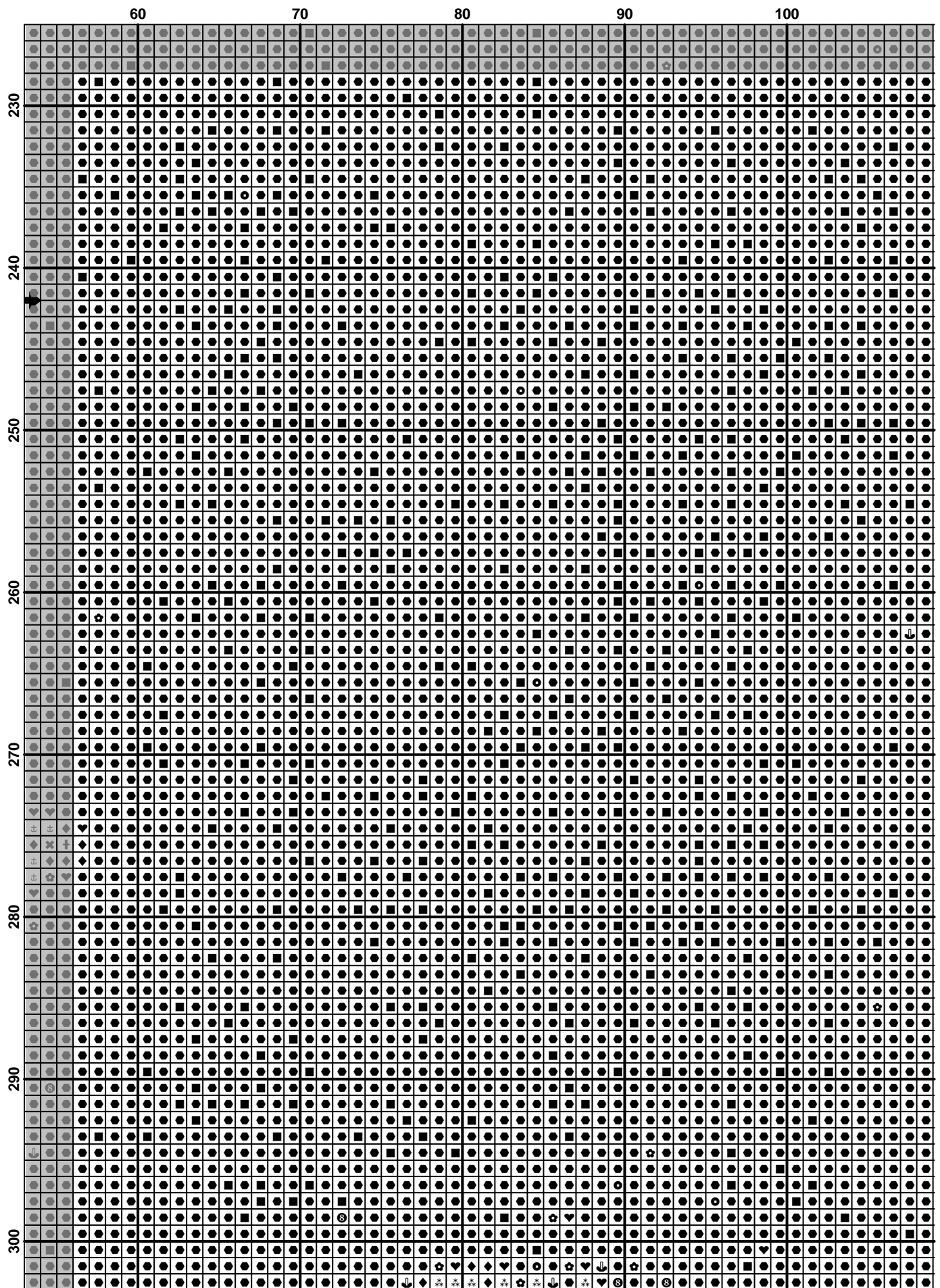
|     | 220 | 230 | 240 | 250 | 260 |
|-----|-----|-----|-----|-----|-----|
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| 160 |     |     |     |     |     |
| 170 |     |     |     |     |     |
| 180 |     |     |     |     |     |
| 190 |     |     |     |     |     |
| 200 |     |     |     |     |     |
| 210 |     |     |     |     |     |
| 220 |     |     |     |     |     |

|     | 270 | 280 | 290 | 300 | 310 | 320 |
|-----|-----|-----|-----|-----|-----|-----|
| 150 | ... | ... | ... | ... | ... | ... |
| 160 | ... | ... | ... | ... | ... | ... |
| 170 | ... | ... | ... | ... | ... | ... |
| 180 | ... | ... | ... | ... | ... | ... |
| 190 | ... | ... | ... | ... | ... | ... |
| 200 | ... | ... | ... | ... | ... | ... |
| 210 | ... | ... | ... | ... | ... | ... |
| 220 | ... | ... | ... | ... | ... | ... |







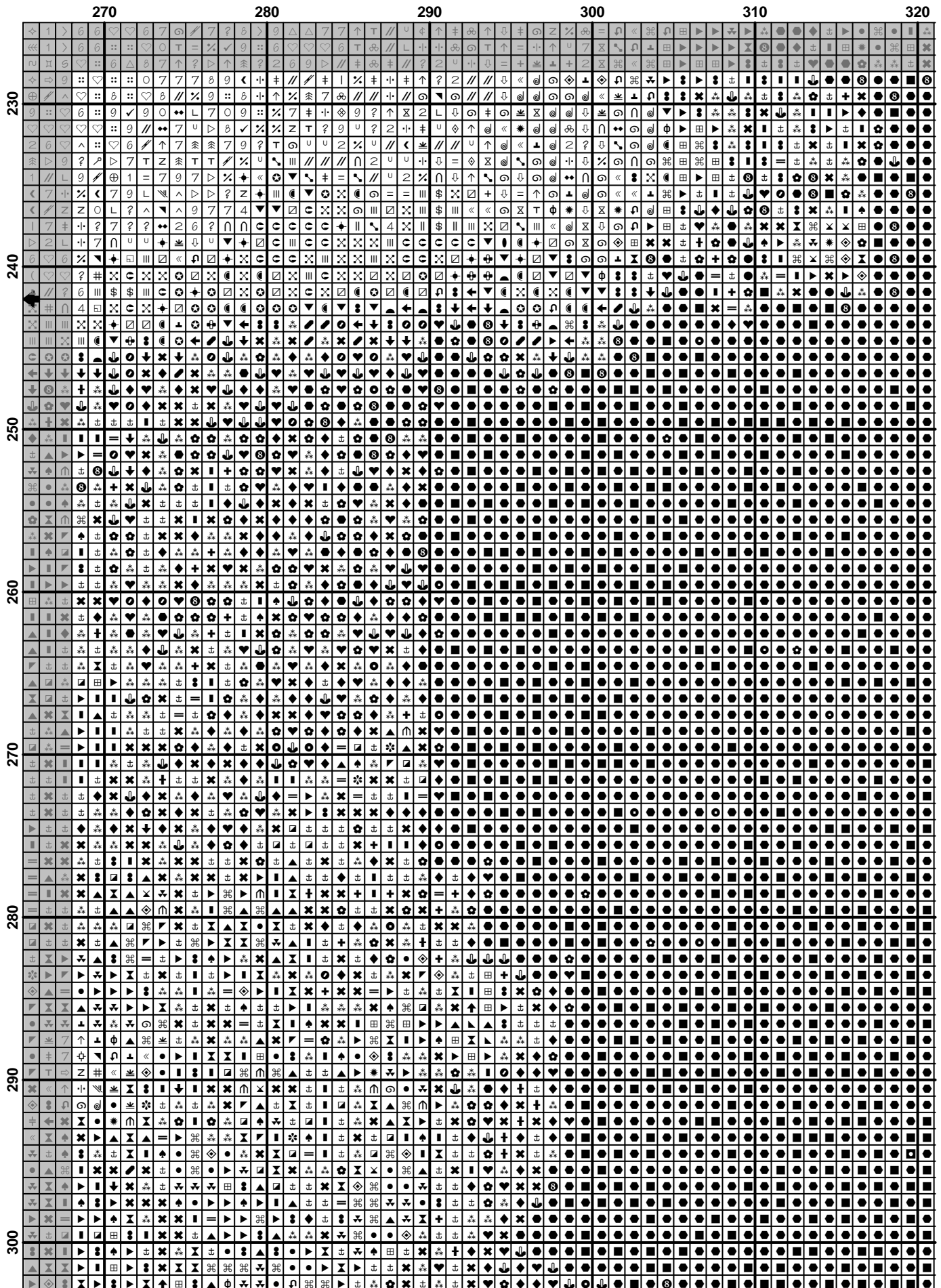


$$(35) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

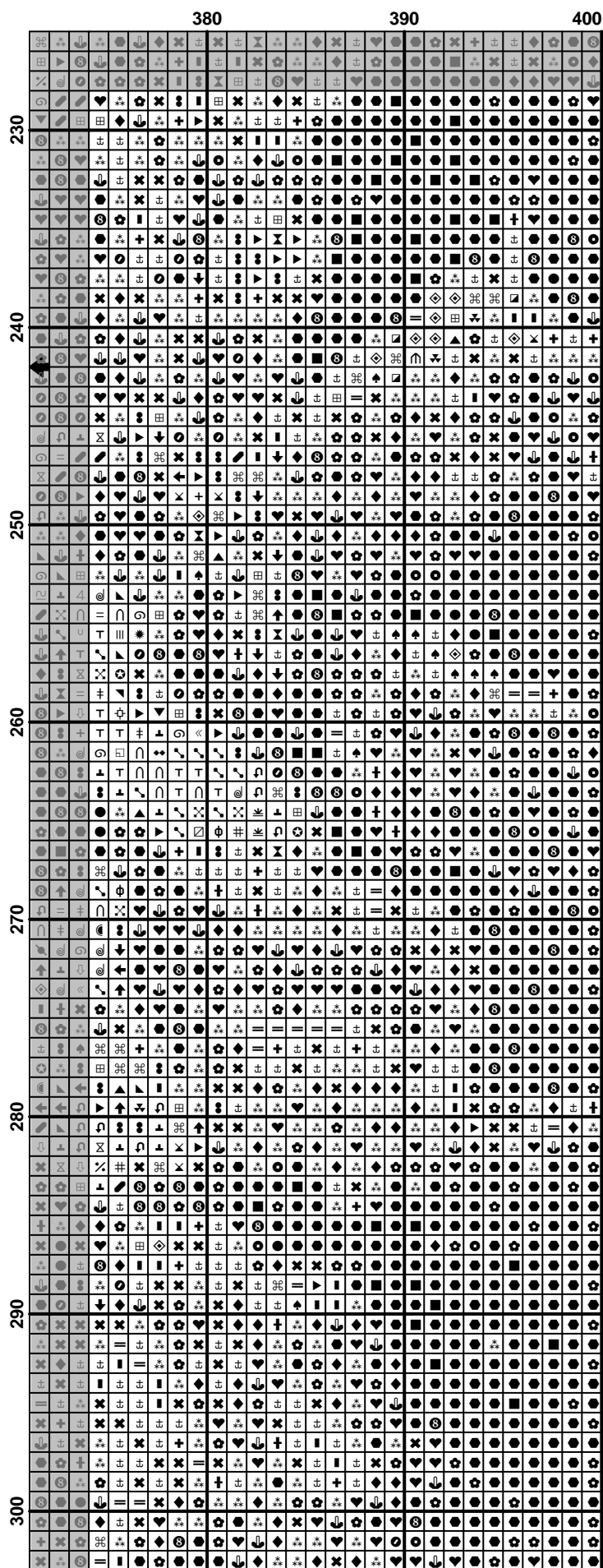


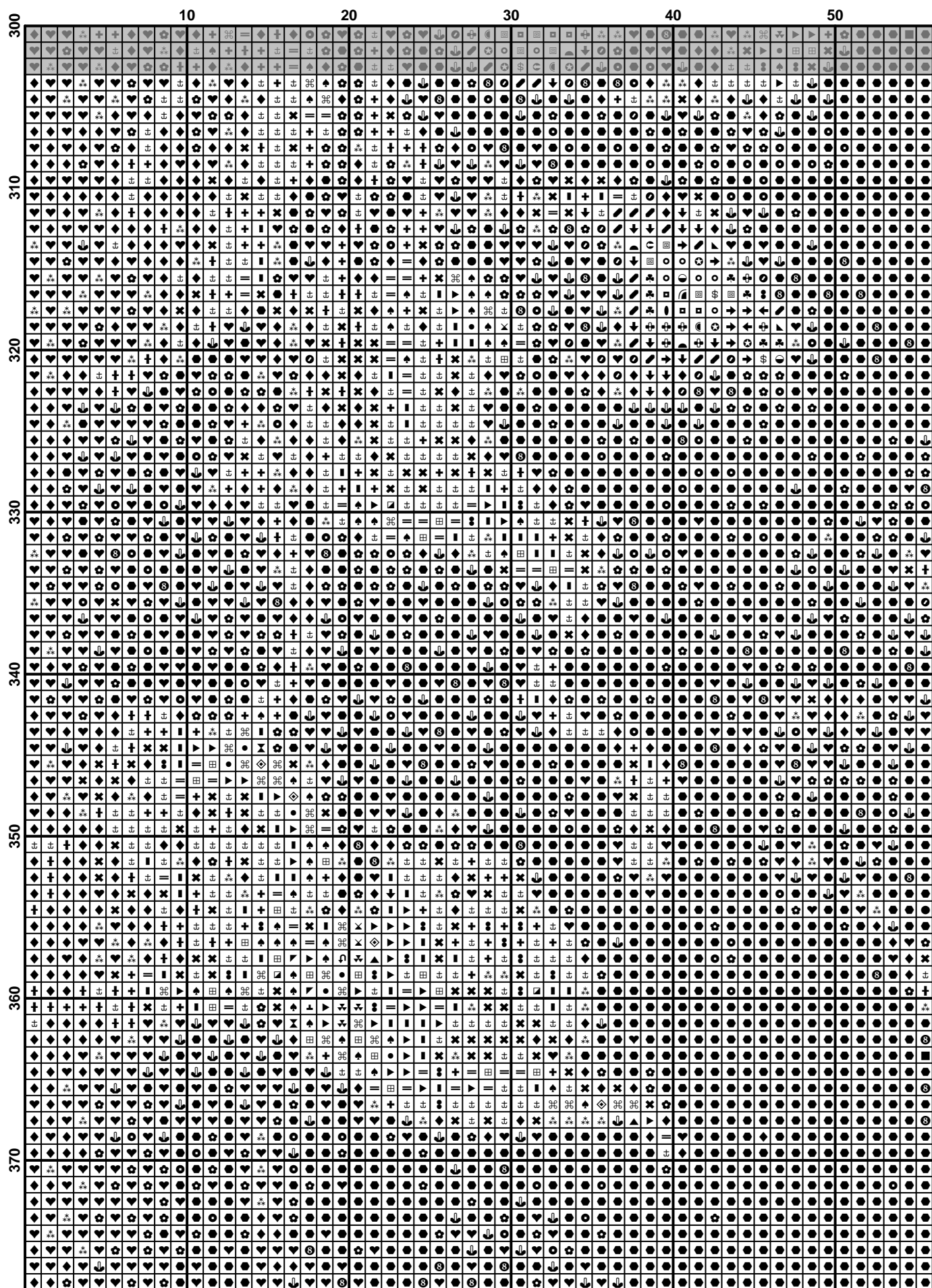
$$(36) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

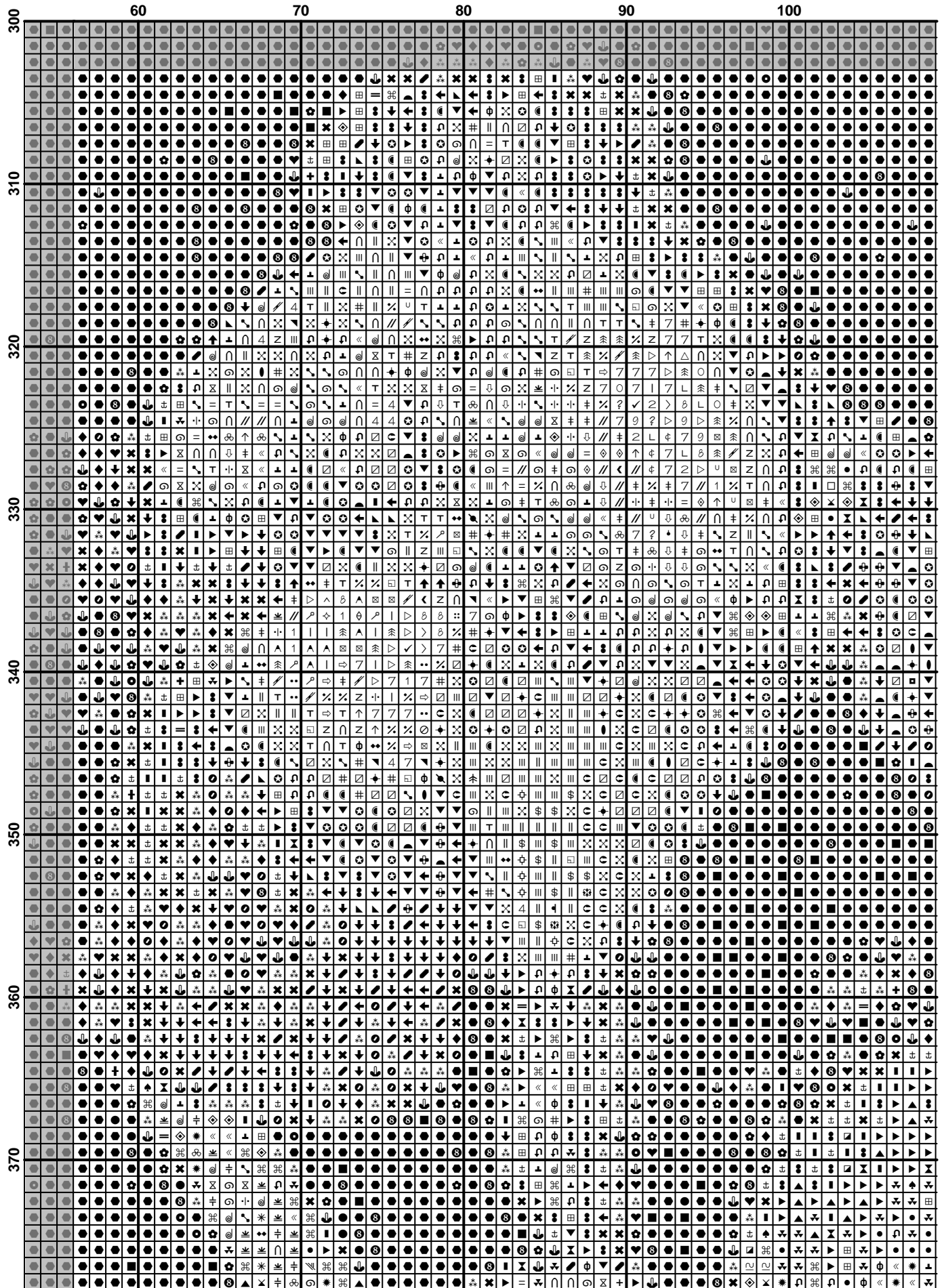
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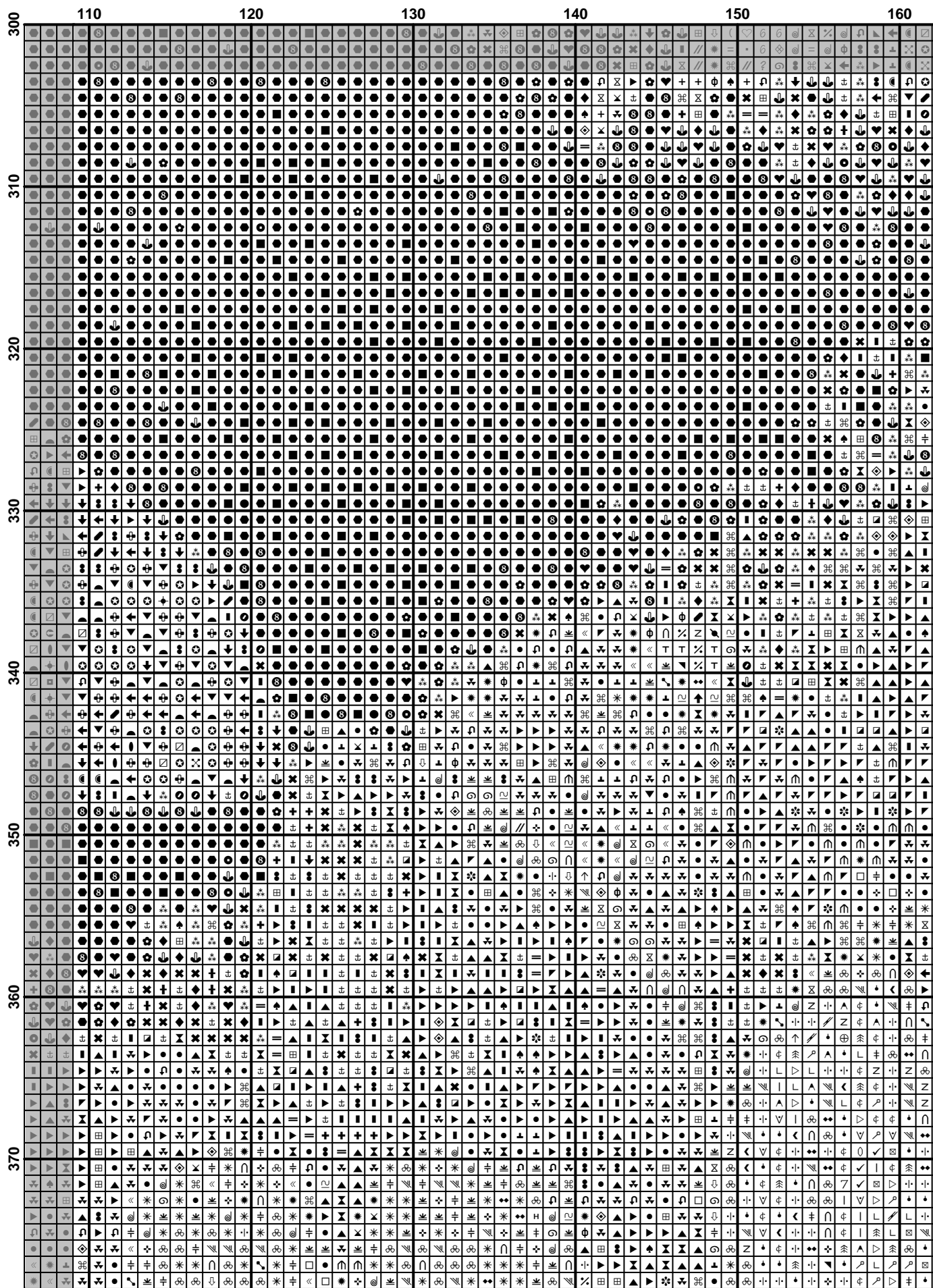




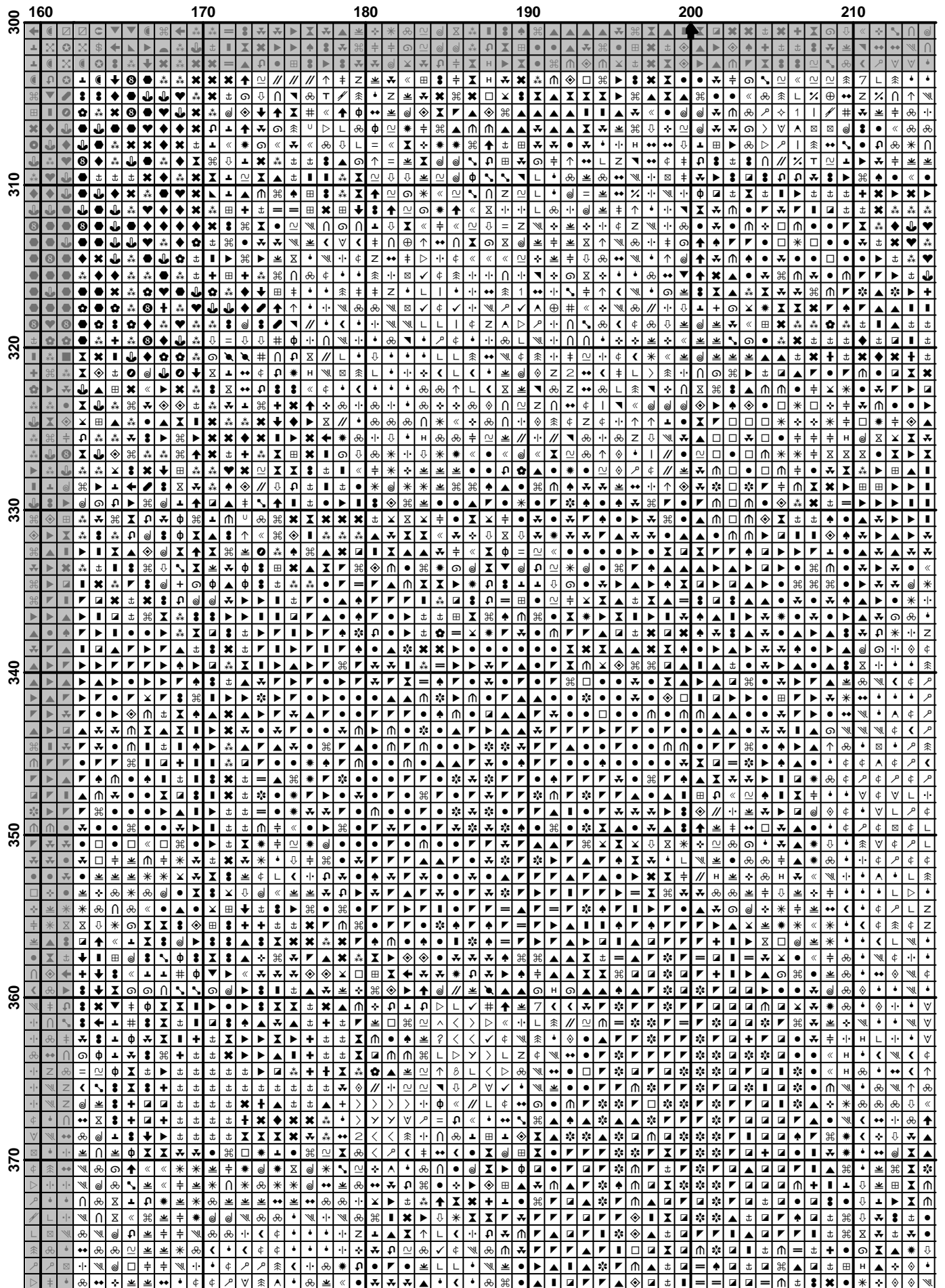






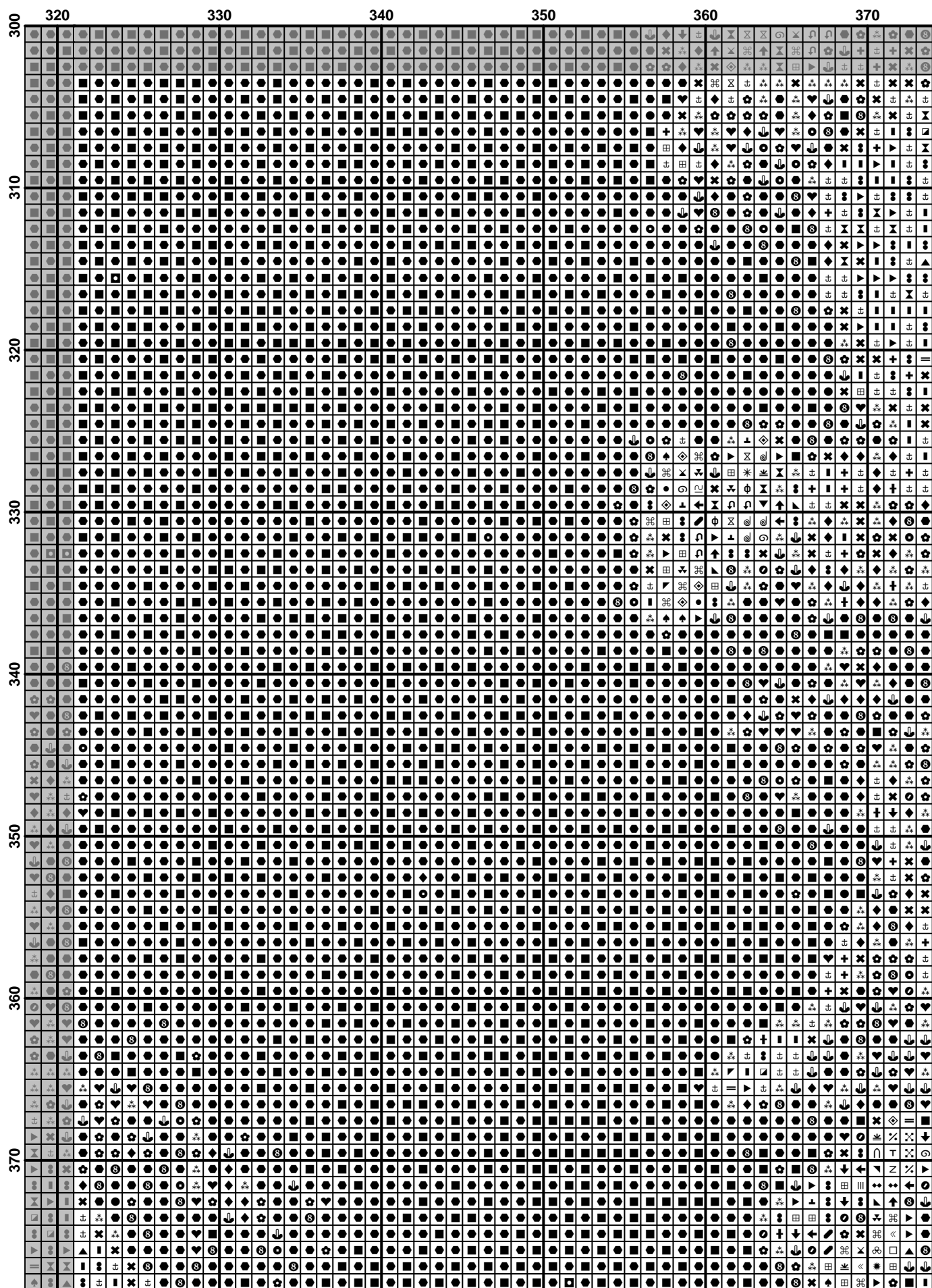


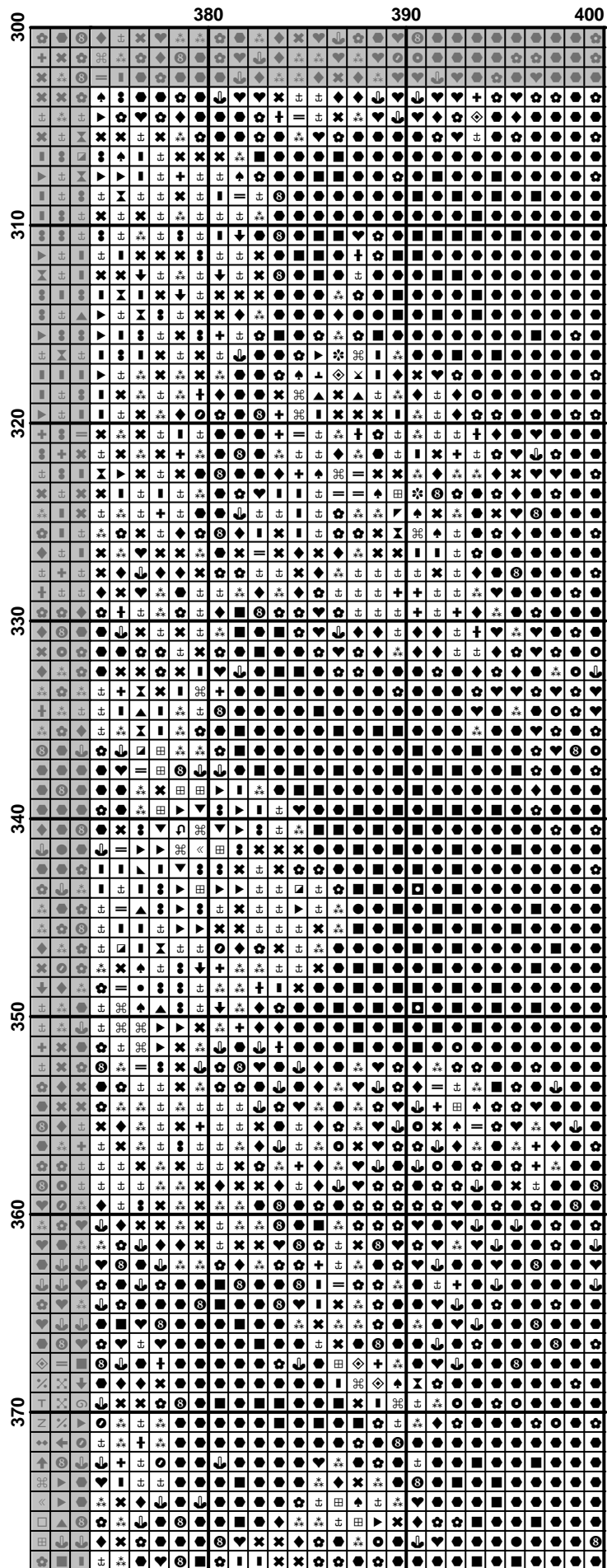


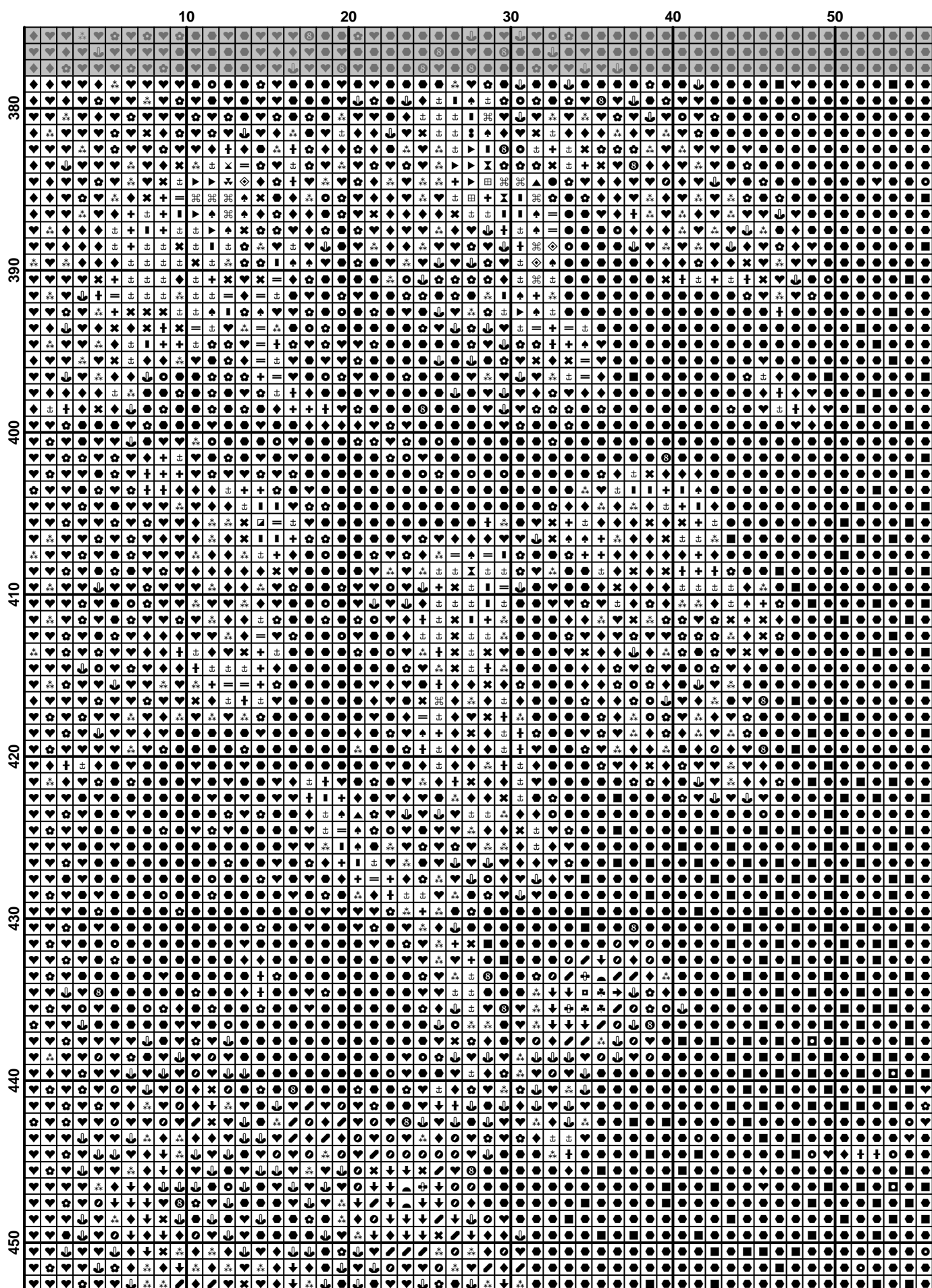


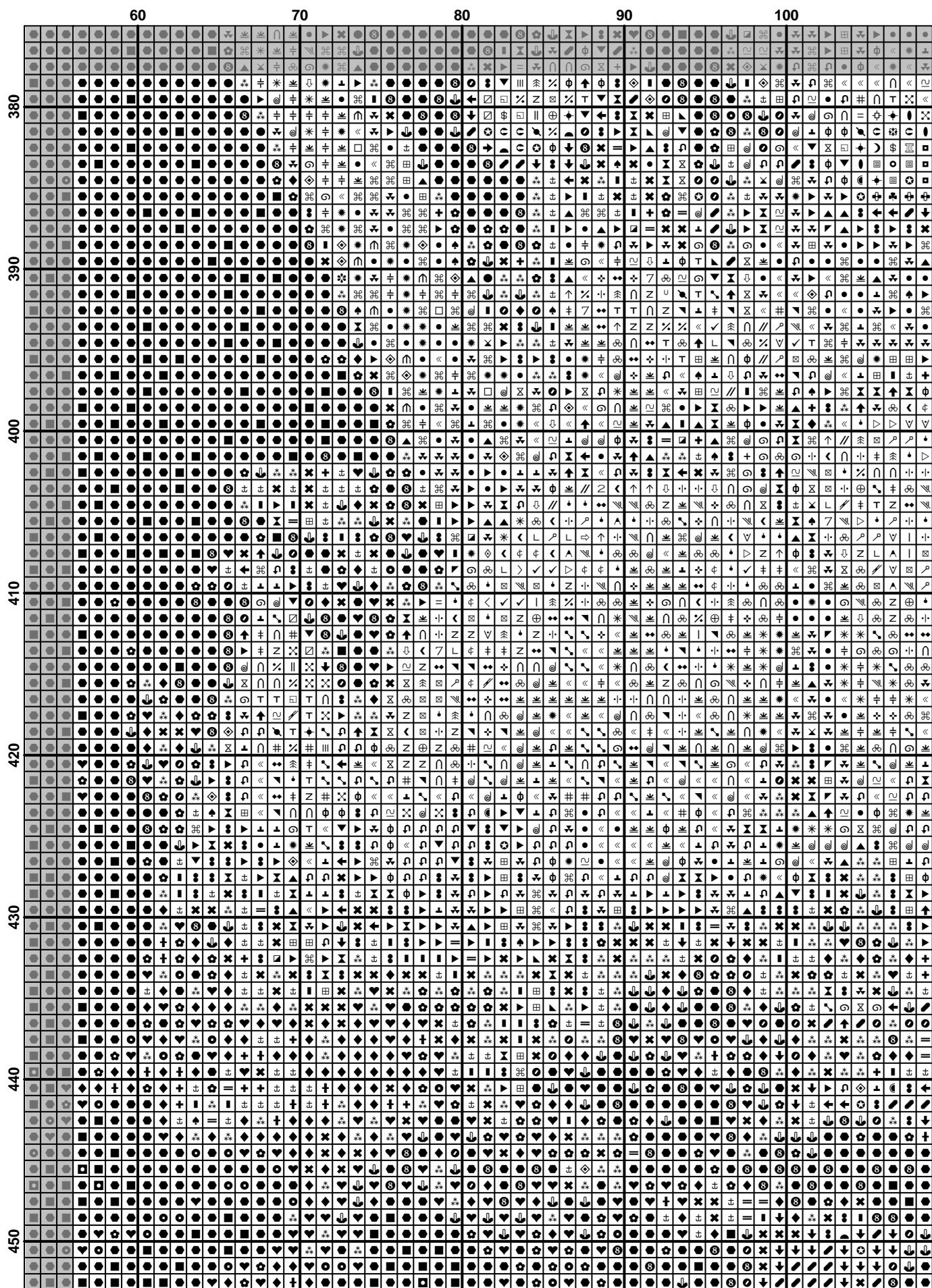
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|-----|-----|-----|-----|-----|-----|
| 300 |     |     |     |     |     |
| 310 |     |     |     |     |     |
| 320 |     |     |     |     |     |
| 330 |     |     |     |     |     |
| 340 |     |     |     |     |     |
| 350 |     |     |     |     |     |
| 360 |     |     |     |     |     |
| 370 |     |     |     |     |     |

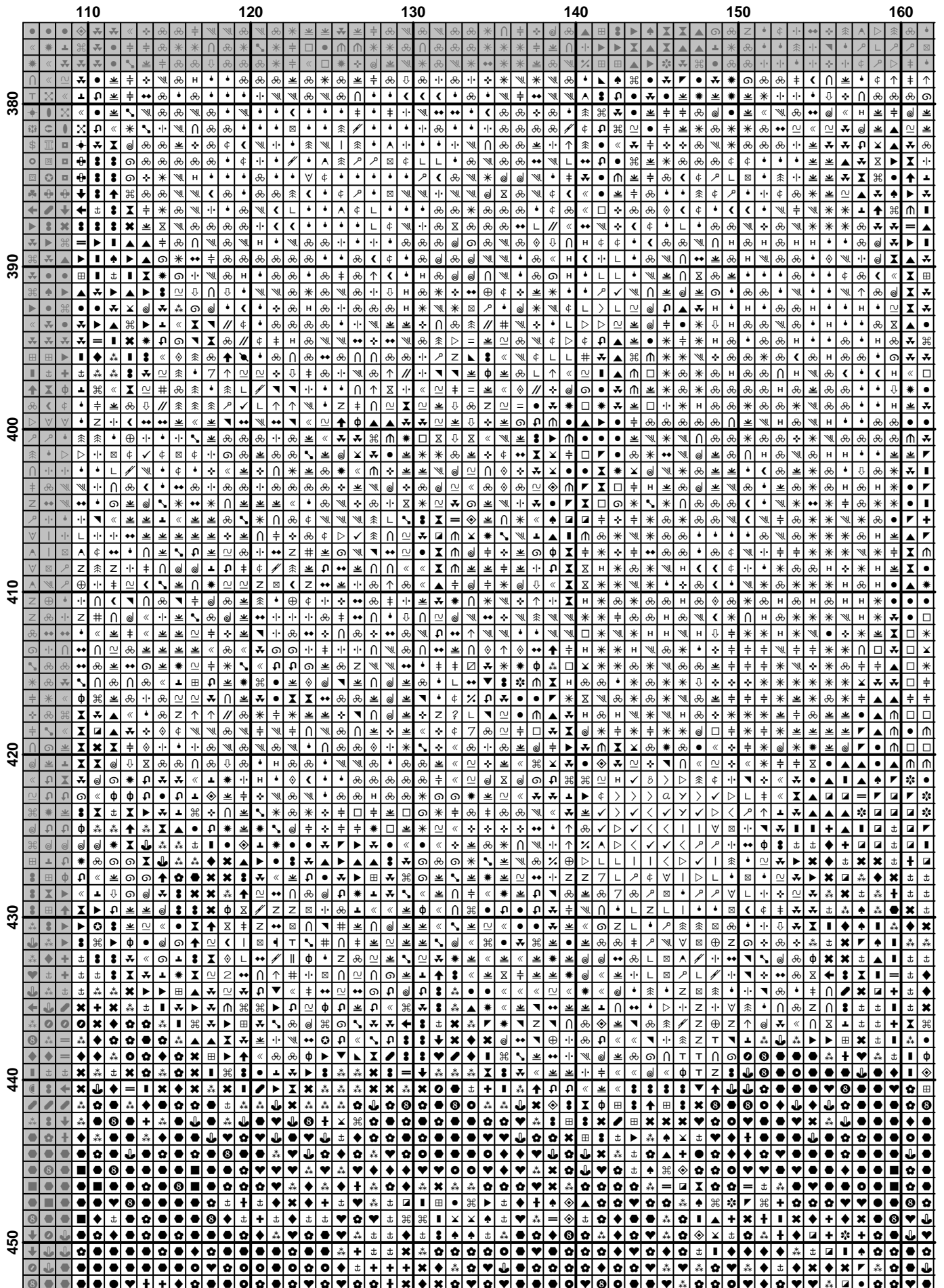
|     | 270 | 280 | 290 | 300 | 310 | 320 |
|-----|-----|-----|-----|-----|-----|-----|
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| 310 |     |     |     |     |     |     |
| 320 |     |     |     |     |     |     |
| 330 |     |     |     |     |     |     |
| 340 |     |     |     |  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



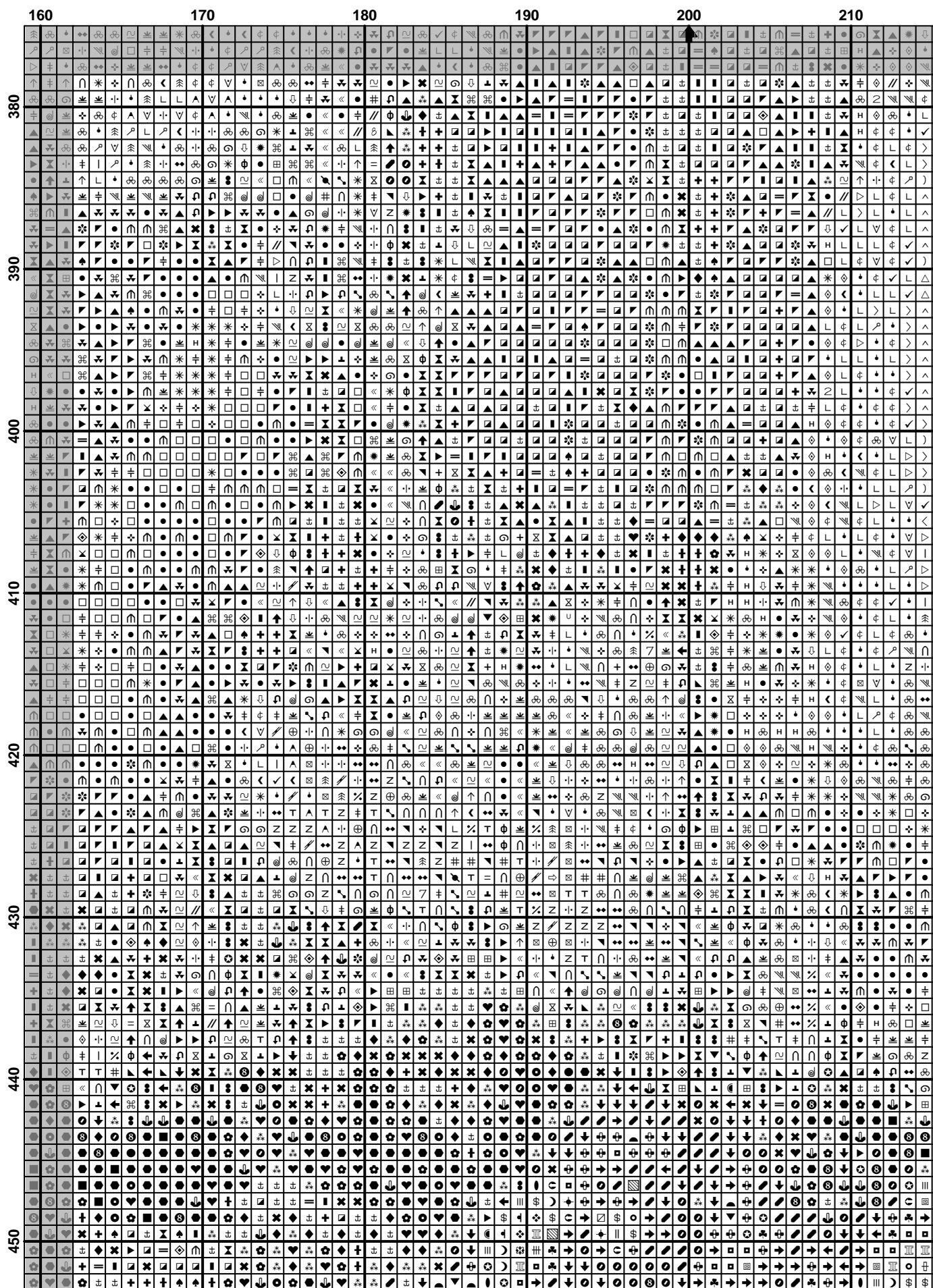












$$(53) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

