

# Heaven and Earth Designs

## Sue's Cat Amber Rose

Chart No: HAEDLA14147

Chart Design by Michele Sayetta

*Artwork by Lesley Anne Ivory*



Finished Design Size 400 W by 544 H (16 WX 21-3/4 H inches on 25ct fabric)  
(This Chart Contains 88 Colors)

Heaven and Earth Designs LLC

33555 Wild Daffodil Ln.

Warrenton OR. 97146

320-214-7998

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Congratulations on buying a **Heaven and Earth Designs LLC** Cross Stitch Chart .

We know it will bring you many hours of pleasurable stitching and believe the final result will be something to love and admire forever.

Included with your chart is a clear plastic bag to protect your chart, and a coded thread list for the threads you will need to complete your project. Our charts are designed to use DMC stranded cotton threads and, where appropriate, Kreinik metallic thread.

### **Chart Instructions:**

1. This chart is made up of several numbered pages beginning at the top left corner of the first page. The pages of chart are laid out from left to right in rows e.g. 1 2 3 4, 5 6 7 8. Although each chart is marked with arrows which indicate the centre , we believe you will find it easier to begin from the top left corner of page 1 and follow the chart page by page to the bottom right corner of the last page.
2. We recommend you stitch your design on either 18 count Aida or 25 count Linen. using 2 strands of cotton over one in each case.
3. At the top of the thread list you will find our recommendation for the fabric colour. We recommend purchasing a piece of fabric that equates to the design size plus 3 inches [75mm] all around, to allow for framing and matting.
4. Because of the large number of stitches, we have found it to be easier if you stitch one 10X10 grid at a time and then continue on to the next 10 x 10 grid.
5. Stitch each page until it is completed and then move on to the next. On each page there is a number at the top left that indicates the page number. On each corner is a number in parenthesis that indicates the connecting page, unless there is not one.
6. Under International Copyright Laws, you may copy the chart for your own use. We recommend that you use a copy as your working document. You may also wish to enlarge the pages to make the symbols easier to read.

**If you have any questions regarding this chart please feel free to contact us.**

Heaven and Earth Designs LLC

320-214-7998

<http://www.heavenandearthdesigns.com>

**Pattern Name:** Sue's Cat Amber Rose-Ivory Cats

**Designed By:** Michele Sayetta

































**Company:** Heaven and Earth Designs LLC











































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














**Fabric:** Linen 25, White  
400w X 544h Stitches

**Size:** 25 Count, 16w X 21-3/4h in

### Floss Used for Full Stitches:

| Symbol   | Strands | Type | Number  | Color               |
|--|---------|------|---------|---------------------|
|    | z       | 2    | DMC 032 | Kreinik #4          |
|    | (       | 2    | DMC 152 | Shell Pink-MD LT    |
|    | 4       | 2    | DMC 153 | Violet-VY LT        |
|    | △       | 2    | DMC 160 | Gray Blue-MD        |
|    | ✕       | 2    | DMC 208 | Lavender-VY DK      |
|    | 9       | 2    | DMC 209 | Lavender-DK         |
|    | ∞       | 2    | DMC 210 | Lavender-MD         |
|    | 7       | 2    | DMC 211 | Lavender-LT         |
|   | ^       | 2    | DMC 300 | Mahogany-VY DK      |
|  | H       | 2    | DMC 310 | Black               |
|  | †       | 2    | DMC 312 | Baby Blue-VY DK     |
|  | *       | 2    | DMC 316 | Antique Mauve-MD    |
|  | v       | 2    | DMC 317 | Pewter Gray         |
|  | ✿       | 2    | DMC 327 | Violet-VY DK        |
|  | ♣       | 2    | DMC 333 | Blue Violet-VY DK   |
|  | >       | 2    | DMC 340 | Blue Violet-MD      |
|  | a       | 2    | DMC 356 | Terra Cotta-MD      |
|  | ↖       | 2    | DMC 370 | Mustard-MD          |
|  | ▣       | 2    | DMC 372 | Mustard-LT          |
|  | ♡       | 2    | DMC 413 | Pewter Gray-DK      |
|  | III     | 2    | DMC 415 | Pearl Gray          |
|  | □       | 2    | DMC 434 | Brown-LT            |
|  | ▣       | 2    | DMC 451 | Shell Gray-DK       |
|  | ☾       | 2    | DMC 471 | Avocado Green-VY LT |
|  | ✿       | 2    | DMC 523 | Fern Green-LT       |
|  | L       | 2    | DMC 524 | Fern Green-VY LT    |
|  | 6       | 2    | DMC 550 | Violet-VY DK        |
|  | ♣       | 2    | DMC 554 | Violet-LT           |
|  | ◎       | 2    | DMC 580 | Moss Green-DK       |
|  | ✕       | 2    | DMC 604 | Cranberry-LT        |
|  | ↑       | 2    | DMC 612 | Drab Brown-LT       |
|  | ▲       | 2    | DMC 640 | Beige Gray-VY DK    |





































| Symbol   | Strands | Type | Number   | Color               |
|--|---------|------|----------|---------------------|
|    | ➔       | 2    | DMC 728  | Topaz               |
|    | ➡       | 2    | DMC 729  | Old Gold-MD         |
|    | ■       | 2    | DMC 730  | Olive Green-VYDK    |
|    | ◊       | 2    | DMC 732  | Olive Green         |
|    | ∅       | 2    | DMC 758  | Terra Cotta-VYLT    |
|    | ⊗       | 2    | DMC 760  | Salmon              |
|    | ▲       | 2    | DMC 779  | Cocoa-DK            |
|    | ☆       | 2    | DMC 801  | Coffee Brown-DK     |
|    | ⋈       | 2    | DMC 815  | Garnet-MD           |
|    | ⌘       | 2    | DMC 819  | Baby Pink-LT        |
|    | √       | 2    | DMC 823  | Navy Blue-DK        |
|    | ∨       | 2    | DMC 832  | Golden Olive        |
|    | ⋈       | 2    | DMC 833  | Golden Olive-LT     |
|    | ♥       | 2    | DMC 834  | Golden Olive-VYLT   |
|    | ⋈       | 2    | DMC 842  | Beige Brown-VYLT    |
|    | Ⓢ       | 2    | DMC 844  | Beaver Brown-ULDK   |
|    | ↑       | 2    | DMC 902  | Garnet-VYDK         |
|    | ⊕       | 2    | DMC 926  | Gray Green-MD       |
|   | ≡       | 2    | DMC 930  | Antique Blue-DK     |
|  | ⌘       | 2    | DMC 934  | Black Avocado Green |
|  | Ⓢ       | 2    | DMC 936  | Avocado Green-VYDK  |
|  | Ⓢ       | 2    | DMC 938  | Coffee Brown-ULDK   |
|  | #       | 2    | DMC 963  | Dusty Rose-ULVYLT   |
|  | Ⓢ       | 2    | DMC 976  | Golden Brown-MD     |
|  | T       | 2    | DMC 3012 | Khaki Green-MD      |
|  | Ⓢ       | 2    | DMC 3023 | Brown Gray-LT       |
|  | o       | 2    | DMC 3031 | Mocha Brown-VYDK    |
|  | ♠       | 2    | DMC 3042 | Antique Violet-LT   |
|  | H       | 2    | DMC 3348 | Yellow Green-LT     |
|  | ●       | 2    | DMC 3363 | Pine Green-MD       |
|  | ≡       | 2    | DMC 3364 | Pine Green          |
|  | Ⓢ       | 2    | DMC 3371 | Black Brown         |
|  | 3       | 2    | DMC 3608 | Plum-VYLT           |
|  | 2       | 2    | DMC 3609 | Plum-ULLT           |
|  | «       | 2    | DMC 3689 | Mauve-LT            |
|  | \$      | 2    | DMC 3716 | Dusty Rose-VYLT     |
|  | ⌘       | 2    | DMC 3726 | Antique Mauve-DK    |
|  | ¢       | 2    | DMC 3727 | Antique Mauve-LT    |
|  | Ⓢ       | 2    | DMC 3743 | Antique Violet-VYLT |
|  | Ⓢ       | 2    | DMC 3756 | Baby Blue-ULVYLT    |
|  | c       | 2    | DMC 3772 | Desert Sand-VYDK    |
|  | ∇       | 2    | DMC 3787 | Brown Gray-DK       |











































| Symbol   | Strands | Type | Number | Color            |
|--|---------|------|--------|------------------|
|   | 2       | DMC  | 3799   | Pewter Gray-VYDK |
|   | 2       | DMC  | 3803   | Mauve-MD         |
|   | 2       | DMC  | 3817   | Celadon Green-LT |
|   | 2       | DMC  | 3819   | Moss Green-LT    |
|   | 2       | DMC  | 3834   | Grape-DK         |
|   | 2       | DMC  | 3836   | Grape-LT         |
|   | 2       | DMC  | 3837   | Lavender-ULDK    |
|   | 2       | DMC  | 3839   | Lavender Blue-MD |
|   | 2       | DMC  | 3852   | Straw-VYDK       |
|   | 2       | DMC  | 3858   | Rosewood-MD      |
|   | 2       | DMC  | 3860   | Cocoa            |
|   | 2       | DMC  | 3861   | Cocoa-LT         |
|   | 2       | DMC  | 3862   | Mocha Beige-DK   |
|   | 2       | DMC  | 3864   | Mocha Beige-LT   |











## Usage Summary

Strands Per Skein: 6

Skein Length: 313.0 in

| Type   | Number | Full | Half | Quarter | Petite | Back(in) | Str(in) | Spec(in) | French | Bead  | Skein Est. |
|--|--------|------|------|---------|--------|----------|---------|----------|--------|-------|------------|
|  DMC 032   | 1298   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 152   | 1301   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 153   | 1447   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 160   | 1209   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 208   | 1960   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 209   | 918    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 210   | 455    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 211   | 1122   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 300   | 4817   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 2.000 |            |
|  DMC 310   | 10862  | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 3.000 |            |
|  DMC 312   | 24     | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 316   | 1094   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 317  | 1234   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 327 | 1182   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 333 | 640    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 340 | 2261   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 356 | 227    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 370 | 1476   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 372 | 1459   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 413 | 480    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 415 | 737    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 434 | 3377   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 451 | 2205   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 471 | 384    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 523 | 4619   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 2.000 |            |
|  DMC 524 | 1933   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 550 | 1217   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 554 | 618    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 580 | 358    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 604 | 1576   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 612 | 2601   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 640 | 2365   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 728 | 1678   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 729 | 636    | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 730 | 1123   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |
|  DMC 732 | 1899   | 0    | 0    | 0       | 0.0    | 0.0      | 0.0     | 0        | 0      | 1.000 |            |

| Type  | Number | Full  | Half | Quarter | Petite | Back(in) | Str(in) | Spec(in) | French | Bead | Skein Est. |
|---|--------|-------|------|---------|--------|----------|---------|----------|--------|------|------------|
|  DMC 758    | 758    | 1888  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 760    | 760    | 225   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 779    | 779    | 3308  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 801    | 801    | 4391  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 815    | 815    | 104   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 819    | 819    | 48957 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 14.000     |
|  DMC 823    | 823    | 237   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 832    | 832    | 1640  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 833    | 833    | 980   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 834    | 834    | 1977  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 842    | 842    | 3725  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 844    | 844    | 1059  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 902    | 902    | 2772  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 926    | 926    | 1695  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 930    | 930    | 101   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 934    | 934    | 308   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 936    | 936    | 521   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 938    | 938    | 7235  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 963   | 963    | 6080  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 976  | 976    | 216   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3012 | 3012   | 922   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3023 | 3023   | 2253  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3031 | 3031   | 2102  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3042 | 3042   | 1641  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3348 | 3348   | 1526  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3363 | 3363   | 2021  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3364 | 3364   | 3847  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 3371 | 3371   | 6944  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 3608 | 3608   | 1821  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3609 | 3609   | 2485  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3689 | 3689   | 6347  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC 3716 | 3716   | 3514  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3726 | 3726   | 1365  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3727 | 3727   | 3612  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3743 | 3743   | 1444  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3756 | 3756   | 242   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3772 | 3772   | 1602  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3787 | 3787   | 2693  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3799 | 3799   | 771   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3803 | 3803   | 328   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3817 | 3817   | 744   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC 3819 | 3819   | 719   | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |

| Type   | Number | Full | Half | Quarter | Petite | Back(in) | Str(in) | Spec(in) | French | Bead | Skein Est. |
|--|--------|------|------|---------|--------|----------|---------|----------|--------|------|------------|
|  DMC | 3834   | 1132 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3836   | 1007 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3837   | 1686 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3839   | 1213 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3852   | 1437 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3858   | 782  | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3860   | 2259 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3861   | 2581 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |
|  DMC | 3862   | 3933 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 2.000      |
|  DMC | 3864   | 2416 | 0    | 0       | 0      | 0.0      | 0.0     | 0.0      | 0      | 0    | 1.000      |



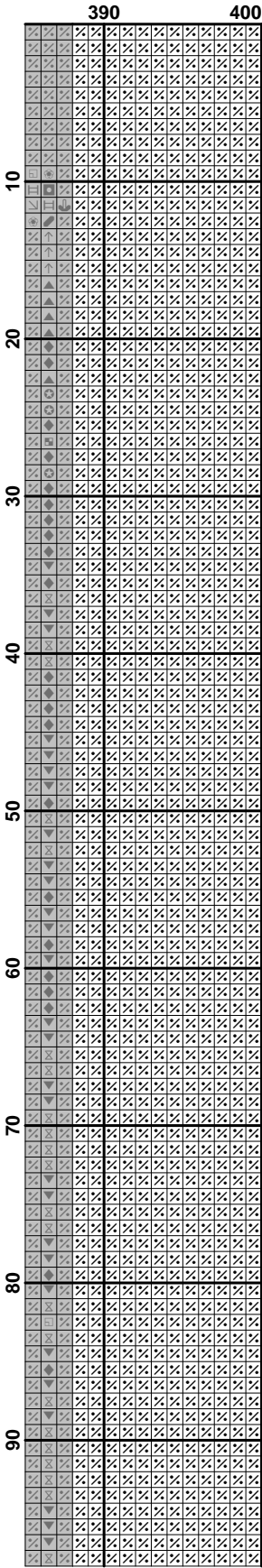
|      | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
|------|----|----|----|----|----|----|----|----|
| 10   | X  | X  | X  | X  | X  | X  | X  | X  |
| 20   | X  | X  | X  | X  | X  | X  | X  | X  |
| 30   | X  | X  | X  | X  | X  | X  | X  | X  |
| 40   | X  | X  | X  | X  | X  | X  | X  | X  |
| 50   | X  | X  | X  | X  | X  | X  | X  | X  |
| 60   | X  | X  | X  | X  | X  | X  | X  | X  |
| 70   | X  | X  | X  | X  | X  | X  | X  | X  |
| 80   | X  | X  | X  | X  | X  | X  | X  | X  |
| 90   | X  | X  | X  | X  | X  | X  | X  | X  |
| 100  | X  | X  | X  | X  | X  | X  | X  | X  |
| 110  | X  | X  | X  | X  | X  | X  | X  | X  |
| 120  | X  | X  | X  | X  | X  | X  | X  | X  |
| 130  | X  | X  | X  | X  | X  | X  | X  | X  |
| 140  | X  | X  | X  | X  | X  | X  | X  | X  |
| 150  | X  | X  | X  | X  | X  | X  | X  | X  |
| 160  | X  | X  | X  | X  | X  | X  | X  | X  |
| 170  | X  | X  | X  | X  | X  | X  | X  | X  |
| 180  | X  | X  | X  | X  | X  | X  | X  | X  |
| 190  | X  | X  | X  | X  | X  | X  | X  | X  |
| 200  | X  | X  | X  | X  | X  | X  | X  | X  |
| 210  | X  | X  | X  | X  | X  | X  | X  | X  |
| 220  | X  | X  | X  | X  | X  | X  | X  | X  |
| 230  | X  | X  | X  | X  | X  | X  | X  | X  |
| 240  | X  | X  | X  | X  | X  | X  | X  | X  |
| 250  | X  | X  | X  | X  | X  | X  | X  | X  |
| 260  | X  | X  | X  | X  | X  | X  | X  | X  |
| 270  | X  | X  | X  | X  | X  | X  | X  | X  |
| 280  | X  | X  | X  | X  | X  | X  | X  | X  |
| 290  | X  | X  | X  | X  | X  | X  | X  | X  |
| 300  | X  | X  | X  | X  | X  | X  | X  | X  |
| 310  | X  | X  | X  | X  | X  | X  | X  | X  |
| 320  | X  | X  | X  | X  | X  | X  | X  | X  |
| 330  | X  | X  | X  | X  | X  | X  | X  | X  |
| 340  | X  | X  | X  | X  | X  | X  | X  | X  |
| 350  | X  | X  | X  | X  | X  | X  | X  | X  |
| 360  | X  | X  | X  | X  | X  | X  | X  | X  |
| 370  | X  | X  | X  | X  | X  | X  | X  | X  |
| 380  | X  | X  | X  | X  | X  | X  | X  | X  |
| 390  | X  | X  | X  | X  | X  | X  | X  | X  |
| 400  | X  | X  | X  | X  | X  | X  | X  | X  |
| 410  | X  | X  | X  | X  | X  | X  | X  | X  |
| 420  | X  | X  | X  | X  | X  | X  | X  | X  |
| 430  | X  | X  | X  | X  | X  | X  | X  | X  |
| 440  | X  | X  | X  | X  | X  | X  | X  | X  |
| 450  | X  | X  | X  | X  | X  | X  | X  | X  |
| 460  | X  | X  | X  | X  | X  | X  | X  | X  |
| 470  | X  | X  | X  | X  | X  | X  | X  | X  |
| 480  | X  | X  | X  | X  | X  | X  | X  | X  |
| 490  | X  | X  | X  | X  | X  | X  | X  | X  |
| 500  | X  | X  | X  | X  | X  | X  | X  | X  |
| 510  | X  | X  | X  | X  | X  | X  | X  | X  |
| 520  | X  | X  | X  | X  | X  | X  | X  | X  |
| 530  | X  | X  | X  | X  | X  | X  | X  | X  |
| 540  | X  | X  | X  | X  | X  | X  | X  | X  |
| 550  | X  | X  | X  | X  | X  | X  | X  | X  |
| 560  | X  | X  | X  | X  | X  | X  | X  | X  |
| 570  | X  | X  | X  | X  | X  | X  | X  | X  |
| 580  | X  | X  | X  | X  | X  | X  | X  | X  |
| 590  | X  | X  | X  | X  | X  | X  | X  | X  |
| 600  | X  | X  | X  | X  | X  | X  | X  | X  |
| 610  | X  | X  | X  | X  | X  | X  | X  | X  |
| 620  | X  | X  | X  | X  | X  | X  | X  | X  |
| 630  | X  | X  | X  | X  | X  | X  | X  | X  |
| 640  | X  | X  | X  | X  | X  | X  | X  | X  |
| 650  | X  | X  | X  | X  | X  | X  | X  | X  |
| 660  | X  | X  | X  | X  | X  | X  | X  | X  |
| 670  | X  | X  | X  | X  | X  | X  | X  | X  |
| 680  | X  | X  | X  | X  | X  | X  | X  | X  |
| 690  | X  | X  | X  | X  | X  | X  | X  | X  |
| 700  | X  | X  | X  | X  | X  | X  | X  | X  |
| 710  | X  | X  | X  | X  | X  | X  | X  | X  |
| 720  | X  | X  | X  | X  | X  | X  | X  | X  |
| 730  | X  | X  | X  | X  | X  | X  | X  | X  |
| 740  | X  | X  | X  | X  | X  | X  | X  | X  |
| 750  | X  | X  | X  | X  | X  | X  | X  | X  |
| 760  | X  | X  | X  | X  | X  | X  | X  | X  |
| 770  | X  | X  | X  | X  | X  | X  | X  | X  |
| 780  | X  | X  | X  | X  | X  | X  | X  | X  |
| 790  | X  | X  | X  | X  | X  | X  | X  | X  |
| 800  | X  | X  | X  | X  | X  | X  | X  | X  |
| 810  | X  | X  | X  | X  | X  | X  | X  | X  |
| 820  | X  | X  | X  | X  | X  | X  | X  | X  |
| 830  | X  | X  | X  | X  | X  | X  | X  | X  |
| 840  | X  | X  | X  | X  | X  | X  | X  | X  |
| 850  | X  | X  | X  | X  | X  | X  | X  | X  |
| 860  | X  | X  | X  | X  | X  | X  | X  | X  |
| 870  | X  | X  | X  | X  | X  | X  | X  | X  |
| 880  | X  | X  | X  | X  | X  | X  | X  | X  |
| 890  | X  | X  | X  | X  | X  | X  | X  | X  |
| 900  | X  | X  | X  | X  | X  | X  | X  | X  |
| 910  | X  | X  | X  | X  | X  | X  | X  | X  |
| 920  | X  | X  | X  | X  | X  | X  | X  | X  |
| 930  | X  | X  | X  | X  | X  | X  | X  | X  |
| 940  | X  | X  | X  | X  | X  | X  | X  | X  |
| 950  | X  | X  | X  | X  | X  | X  | X  | X  |
| 960  | X  | X  | X  | X  | X  | X  | X  | X  |
| 970  | X  | X  | X  | X  | X  | X  | X  | X  |
| 980  | X  | X  | X  | X  | X  | X  | X  | X  |
| 990  | X  | X  | X  | X  | X  | X  | X  | X  |
| 1000 | X  | X  | X  | X  | X  | X  | X  | X  |

(9)

|    | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | ... | ... | ... | ... | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... | ... | ... | ... | ... |
| 60 | ... | ... | ... | ... | ... | ... | ... | ... |
| 70 | ... | ... | ... | ... | ... | ... | ... | ... |
| 80 | ... | ... | ... | ... | ... | ... | ... | ... |
| 90 | ... | ... | ... | ... | ... | ... | ... | ... |

|    | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | ... | ... | ... | ... | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... | ... | ... | ... | ... |
| 60 | ... | ... | ... | ... | ... | ... | ... | ... |
| 70 | ... | ... | ... | ... | ... | ... | ... | ... |
| 80 | ... | ... | ... | ... | ... | ... | ... | ... |
| 90 | ... | ... | ... | ... | ... | ... | ... | ... |

|    | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
|    |     |     |     |     |     |     |     |     |
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| 10 |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
| 20 |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
| 30 |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
| 40 |     |     |     |     |     |     |     |     |
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| 50 |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
| 60 |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
| 70 |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
| 80 |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
| 90 |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |
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|    |     |     |     |     |     |     |     |     |
|    |     |     |     |     |     |     |     |     |



|     | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
|-----|----|----|----|----|----|----|----|----|
| 100 |    |    |    |    |    |    |    |    |
| 110 |    |    |    |    |    |    |    |    |
| 120 |    |    |    |    |    |    |    |    |
| 130 |    |    |    |    |    |    |    |    |
| 140 |    |    |    |    |    |    |    |    |
| 150 |    |    |    |    |    |    |    |    |
| 160 |    |    |    |    |    |    |    |    |
| 170 |    |    |    |    |    |    |    |    |
| 180 |    |    |    |    |    |    |    |    |
| 190 |    |    |    |    |    |    |    |    |

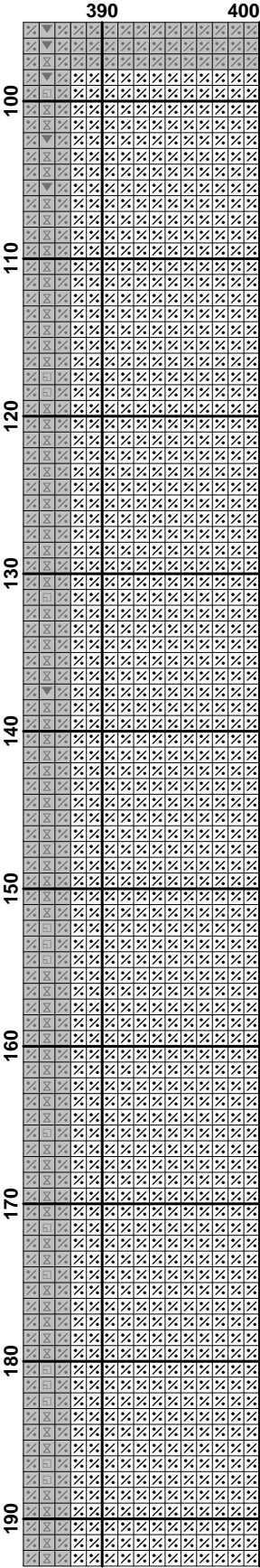
|     | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 | ... | ... | ... | ... | ... | ... | ... | ... |
| 110 | ... | ... | ... | ... | ... | ... | ... | ... |
| 120 | ... | ... | ... | ... | ... | ... | ... | ... |
| 130 | ... | ... | ... | ... | ... | ... | ... | ... |
| 140 | ... | ... | ... | ... | ... | ... | ... | ... |
| 150 | ... | ... | ... | ... | ... | ... | ... | ... |
| 160 | ... | ... | ... | ... | ... | ... | ... | ... |
| 170 | ... | ... | ... | ... | ... | ... | ... | ... |
| 180 | ... | ... | ... | ... | ... | ... | ... | ... |
| 190 | ... | ... | ... | ... | ... | ... | ... | ... |

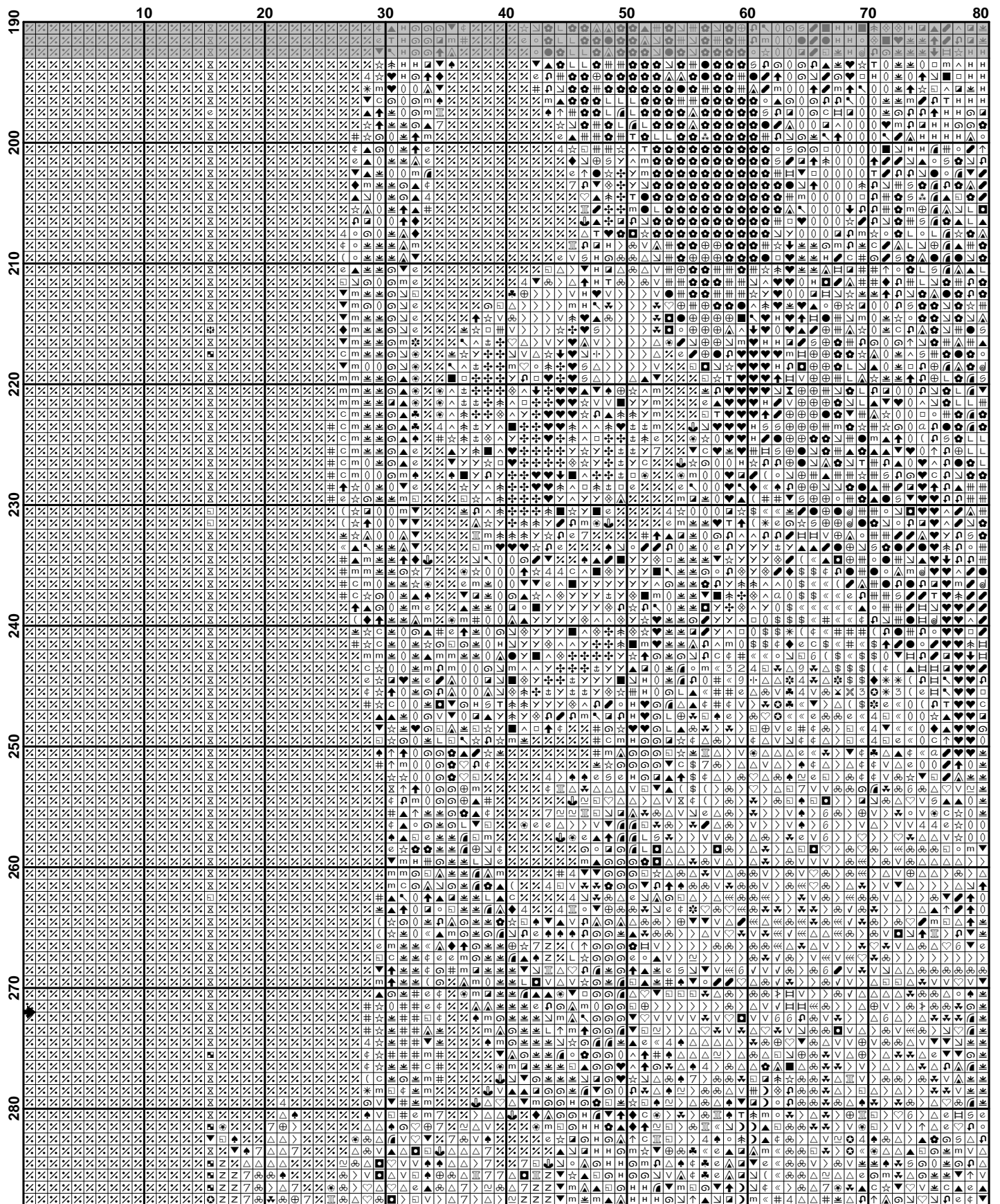


(16)

|     | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 | ... | ... | ... | ... | ... | ... | ... | ... |
| 110 | ... | ... | ... | ... | ... | ... | ... | ... |
| 120 | ... | ... | ... | ... | ... | ... | ... | ... |
| 130 | ... | ... | ... | ... | ... | ... | ... | ... |
| 140 | ... | ... | ... | ... | ... | ... | ... | ... |
| 150 | ... | ... | ... | ... | ... | ... | ... | ... |
| 160 | ... | ... | ... | ... | ... | ... | ... | ... |
| 170 | ... | ... | ... | ... | ... | ... | ... | ... |
| 180 | ... | ... | ... | ... | ... | ... | ... | ... |
| 190 | ... | ... | ... | ... | ... | ... | ... | ... |

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
| 100 |     |     |     |     |     |     |     |     |
| 110 |     |     |     |     |     |     |     |     |
| 120 |     |     |     |     |     |     |     |     |
| 130 |     |     |     |     |     |     |     |     |
| 140 |     |     |     |     |     |     |     |     |
| 150 |     |     |     |     |     |     |     |     |
| 160 |     |     |     |     |     |     |     |     |
| 170 |     |     |     |     |     |     |     |     |
| 180 |     |     |     |     |     |     |     |     |
| 190 |     |     |     |     |     |     |     |     |





(21)

|     | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 190 |     |     |     |     |     |     |     |     |
| 200 |     |     |     |     |     |     |     |     |
| 210 |     |     |     |     |     |     |     |     |
| 220 |     |     |     |     |     |     |     |     |
| 230 |     |     |     |     |     |     |     |     |
| 240 |     |     |     |     |     |     |     |     |
| 250 |     |     |     |     |     |     |     |     |
| 260 |     |     |     |     |     |     |     |     |
| 270 |     |     |     |     |     |     |     |     |
| 280 |     |     |     |     |     |     |     |     |

[illegible]

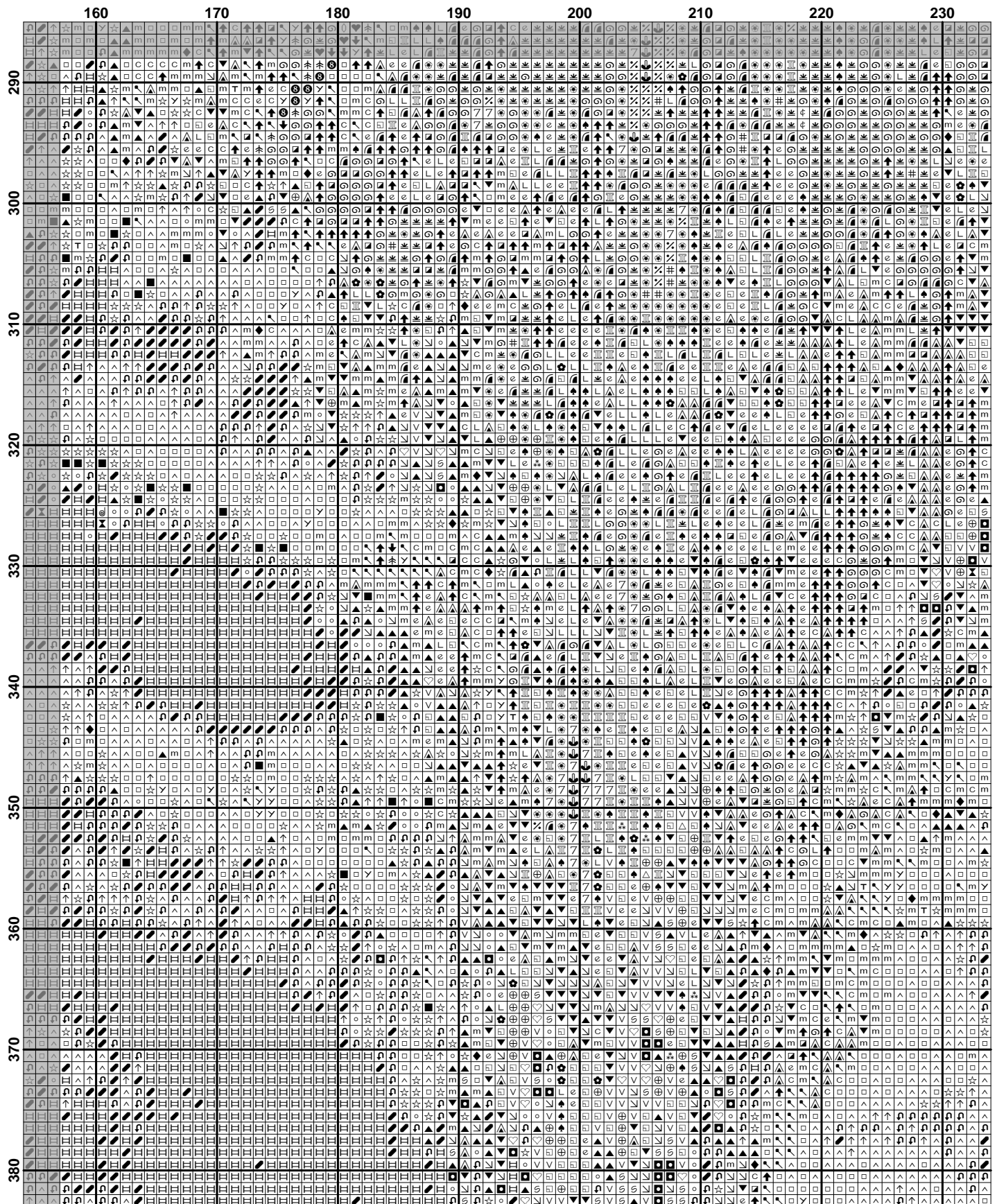


|     | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 190 |     |     |     |     |     |     |     |     |
| 200 |     |     |     |     |     |     |     |     |
| 210 |     |     |     |     |     |     |     |     |
| 220 |     |     |     |     |     |     |     |     |
| 230 |     |     |     |     |     |     |     |     |
| 240 |     |     |     |     |     |     |     |     |
| 250 |     |     |     |     |     |     |     |     |
| 260 |     |     |     |     |     |     |     |     |
| 270 |     |     |     |     |     |     |     |     |
| 280 |     |     |     |     |     |     |     |     |



|     | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
|-----|----|----|----|----|----|----|----|----|
| 290 |    |    |    |    |    |    |    |    |
| 300 |    |    |    |    |    |    |    |    |
| 310 |    |    |    |    |    |    |    |    |
| 320 |    |    |    |    |    |    |    |    |
| 330 |    |    |    |    |    |    |    |    |
| 340 |    |    |    |    |    |    |    |    |
| 350 |    |    |    |    |    |    |    |    |
| 360 |    |    |    |    |    |    |    |    |
| 370 |    |    |    |    |    |    |    |    |
| 380 |    |    |    |    |    |    |    |    |

[illegible]

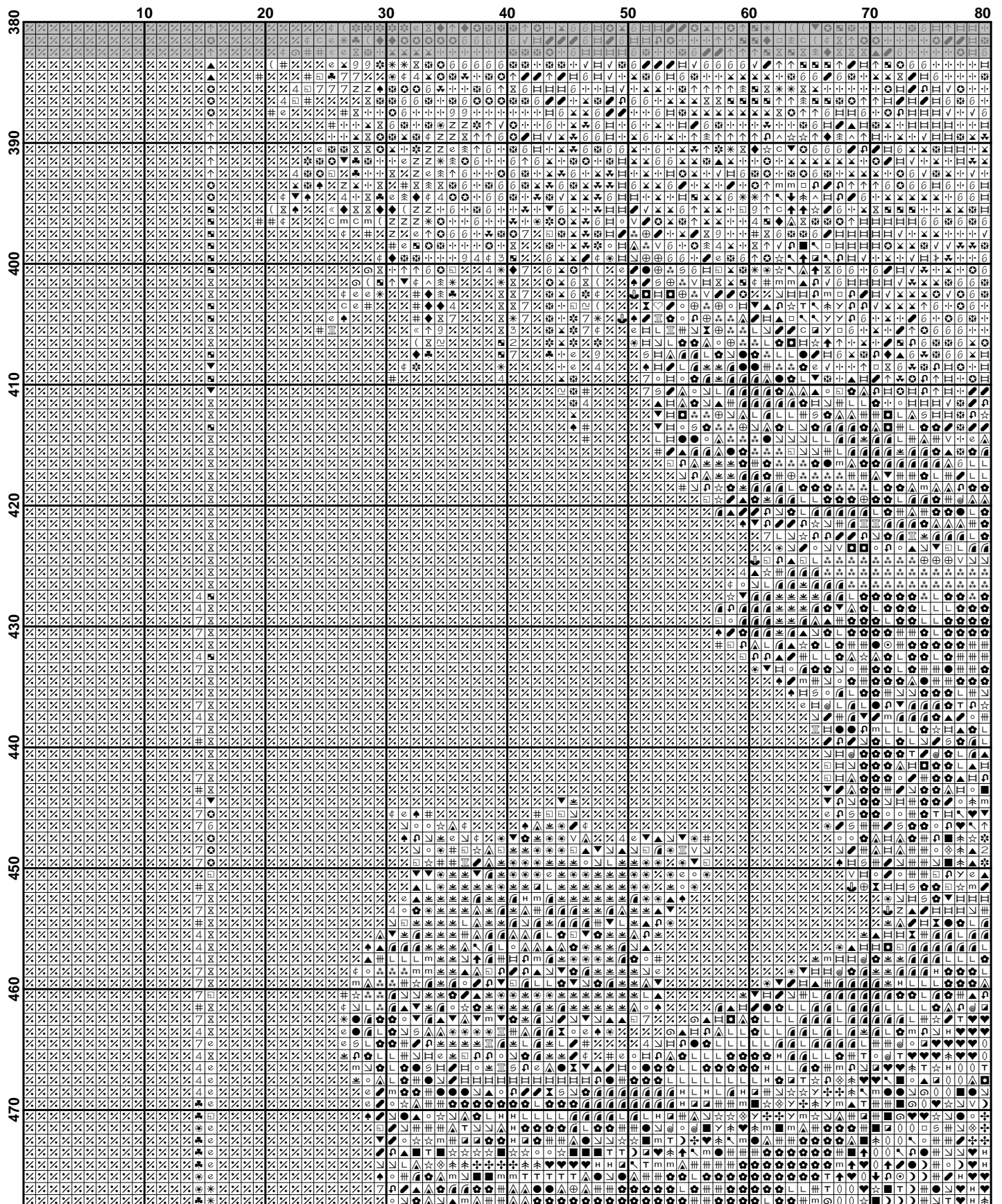


|     | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 290 |     |     |     |     |     |     |     |     |
| 300 |     |     |     |     |     |     |     |     |
| 310 |     |     |     |     |     |     |     |     |
| 320 |     |     |     |     |     |     |     |     |
| 330 |     |     |     |     |     |     |     |     |
| 340 |     |     |     |     |     |     |     |     |
| 350 |     |     |     |     |     |     |     |     |
| 360 |     |     |     |     |     |     |     |     |
| 370 |     |     |     |     |     |     |     |     |
| 380 |     |     |     |     |     |     |     |     |

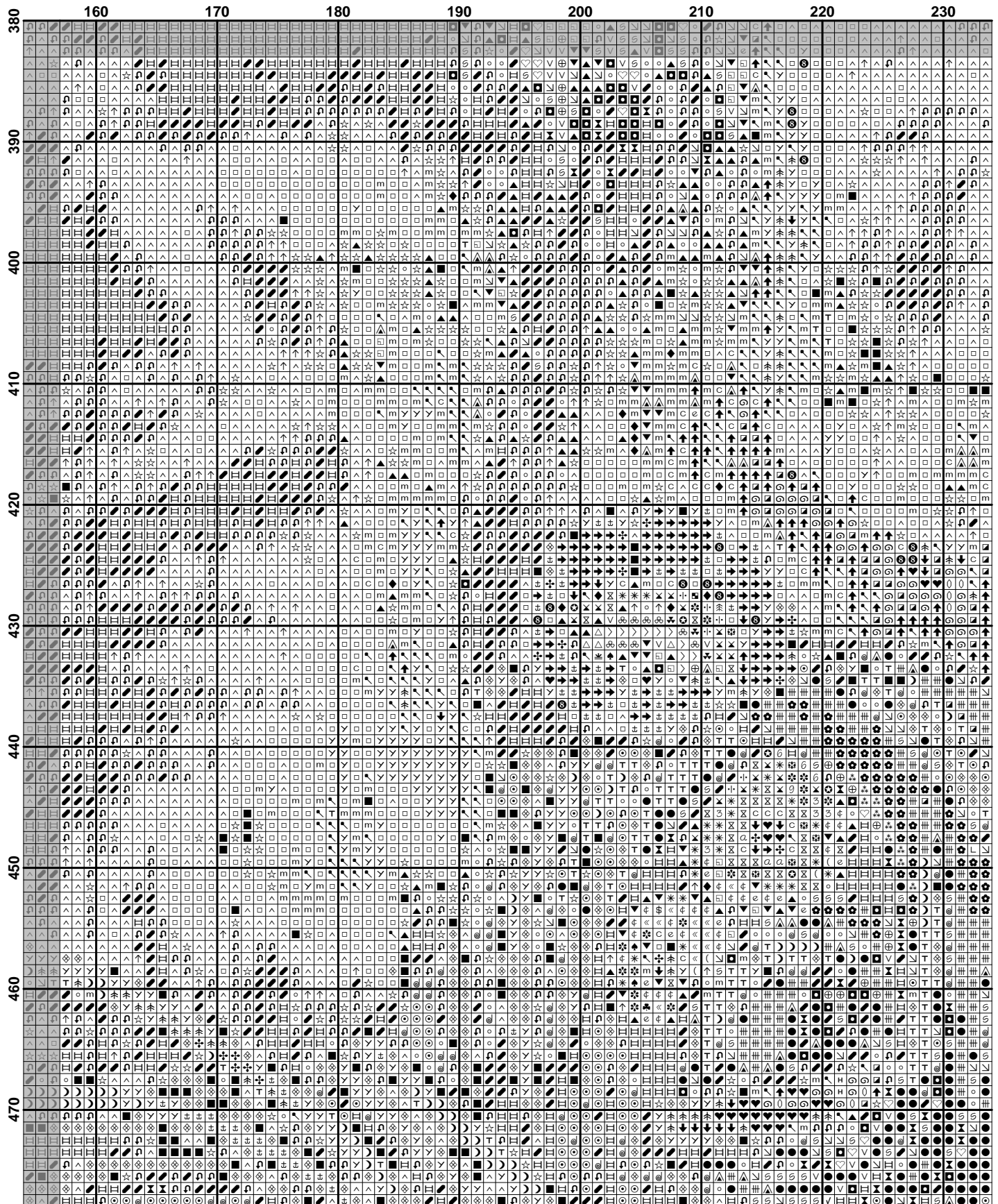
|     | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 290 | ... | ... | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... | ... | ... |
| 310 | ... | ... | ... | ... | ... | ... | ... | ... |
| 320 | ... | ... | ... | ... | ... | ... | ... | ... |
| 330 | ... | ... | ... | ... | ... | ... | ... | ... |
| 340 | ... | ... | ... | ... | ... | ... | ... | ... |
| 350 | ... | ... | ... | ... | ... | ... | ... | ... |
| 360 | ... | ... | ... | ... | ... | ... | ... | ... |
| 370 | ... | ... | ... | ... | ... | ... | ... | ... |
| 380 | ... | ... | ... | ... | ... | ... | ... | ... |

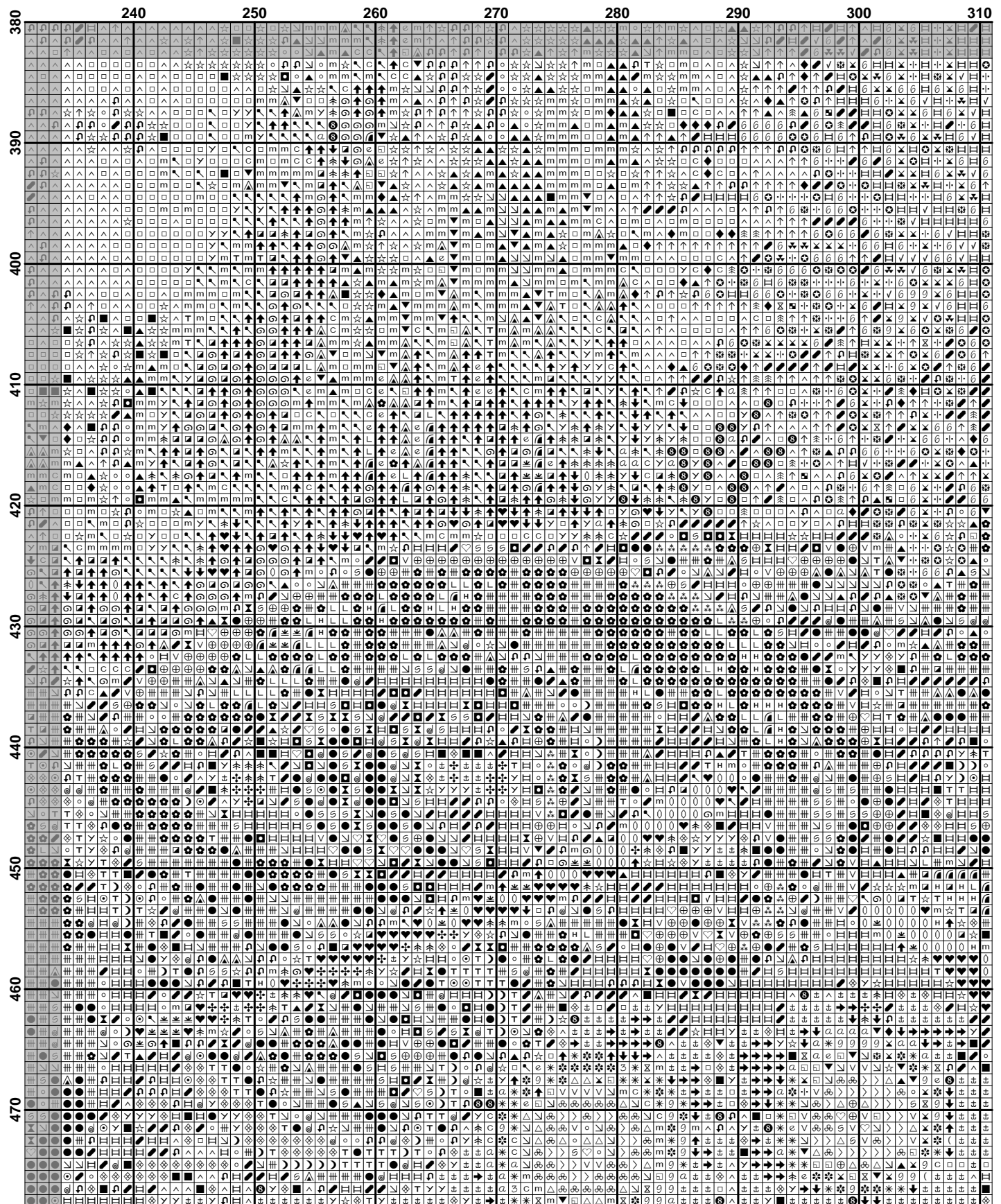
|     | 390 | 400 |
|-----|-----|-----|
| 290 | 7#  |     |
| 291 | 4   |     |
| 292 | e   |     |
| 293 | 7#  |     |
| 294 | 4   |     |
| 295 | e   |     |
| 296 | 7#  |     |
| 297 | 4   |     |
| 298 | e   |     |
| 299 | 7#  |     |
| 300 | 4   |     |
| 301 | e   |     |
| 302 | 7#  |     |
| 303 | 4   |     |
| 304 | e   |     |
| 305 | 7#  |     |
| 306 | 4   |     |
| 307 | e   |     |
| 308 | 7#  |     |
| 309 | 4   |     |
| 310 | e   |     |
| 311 | 7#  |     |
| 312 | 4   |     |
| 313 | e   |     |
| 314 | 7#  |     |
| 315 | 4   |     |
| 316 | e   |     |
| 317 | 7#  |     |
| 318 | 4   |     |
| 319 | e   |     |
| 320 | 7#  |     |
| 321 | 4   |     |
| 322 | e   |     |
| 323 | 7#  |     |
| 324 | 4   |     |
| 325 | e   |     |
| 326 | 7#  |     |
| 327 | 4   |     |
| 328 | e   |     |
| 329 | 7#  |     |
| 330 | 4   |     |
| 331 | e   |     |
| 332 | 7#  |     |
| 333 | 4   |     |
| 334 | e   |     |
| 335 | 7#  |     |
| 336 | 4   |     |
| 337 | e   |     |
| 338 | 7#  |     |
| 339 | 4   |     |
| 340 | e   |     |
| 341 | 7#  |     |
| 342 | 4   |     |
| 343 | e   |     |
| 344 | 7#  |     |
| 345 | 4   |     |
| 346 | e   |     |
| 347 | 7#  |     |
| 348 | 4   |     |
| 349 | e   |     |
| 350 | 7#  |     |
| 351 | 4   |     |
| 352 | e   |     |
| 353 | 7#  |     |
| 354 | 4   |     |
| 355 | e   |     |
| 356 | 7#  |     |
| 357 | 4   |     |
| 358 | e   |     |
| 359 | 7#  |     |
| 360 | 4   |     |
| 361 | e   |     |
| 362 | 7#  |     |
| 363 | 4   |     |
| 364 | e   |     |
| 365 | 7#  |     |
| 366 | 4   |     |
| 367 | e   |     |
| 368 | 7#  |     |
| 369 | 4   |     |
| 370 | e   |     |
| 371 | 7#  |     |
| 372 | 4   |     |
| 373 | e   |     |
| 374 | 7#  |     |
| 375 | 4   |     |
| 376 | e   |     |
| 377 | 7#  |     |
| 378 | 4   |     |
| 379 | e   |     |
| 380 | 7#  |     |
| 381 | 4   |     |
| 382 | e   |     |
| 383 | 7#  |     |
| 384 | 4   |     |
| 385 | e   |     |
| 386 | 7#  |     |
| 387 | 4   |     |
| 388 | e   |     |
| 389 | 7#  |     |

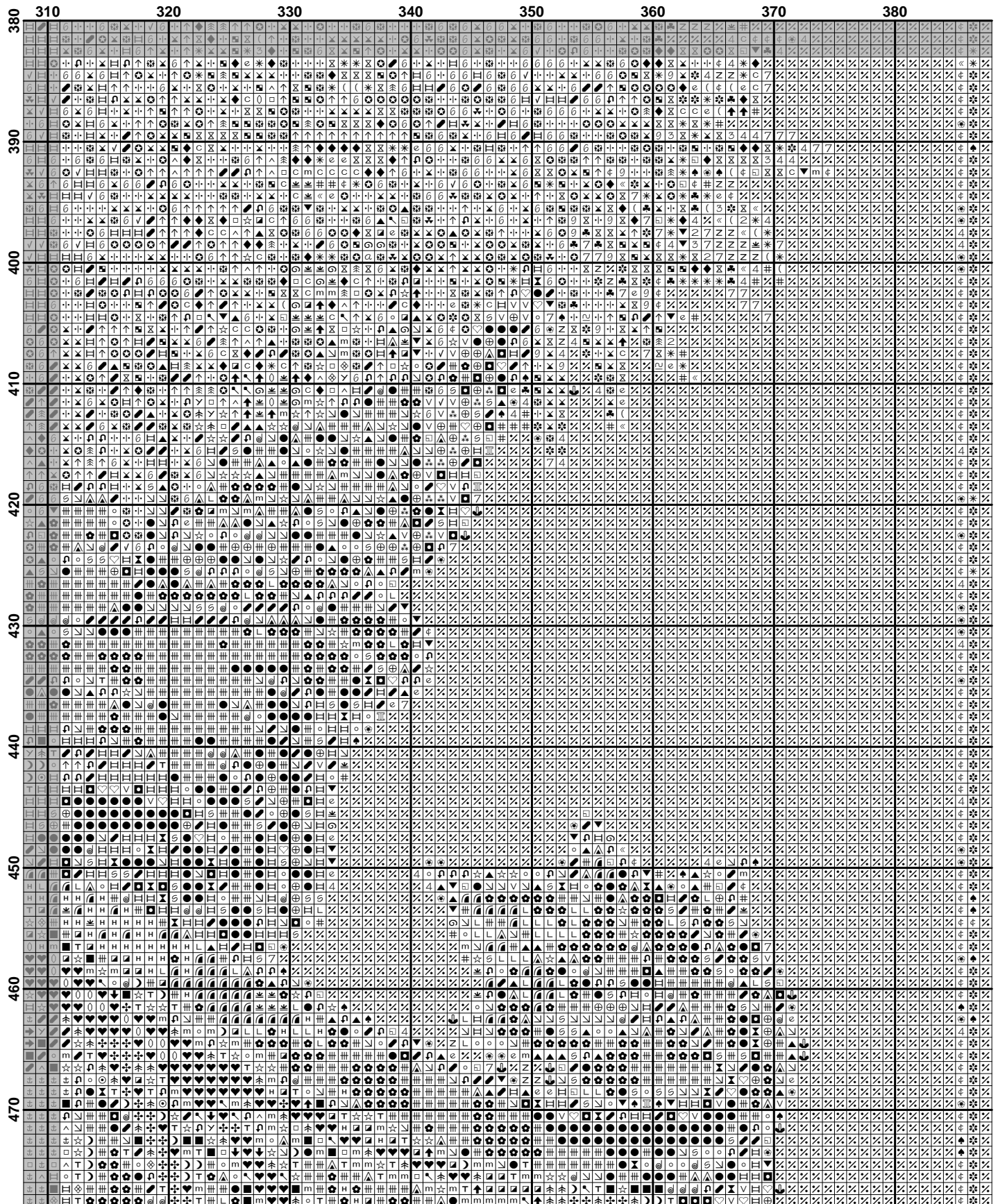




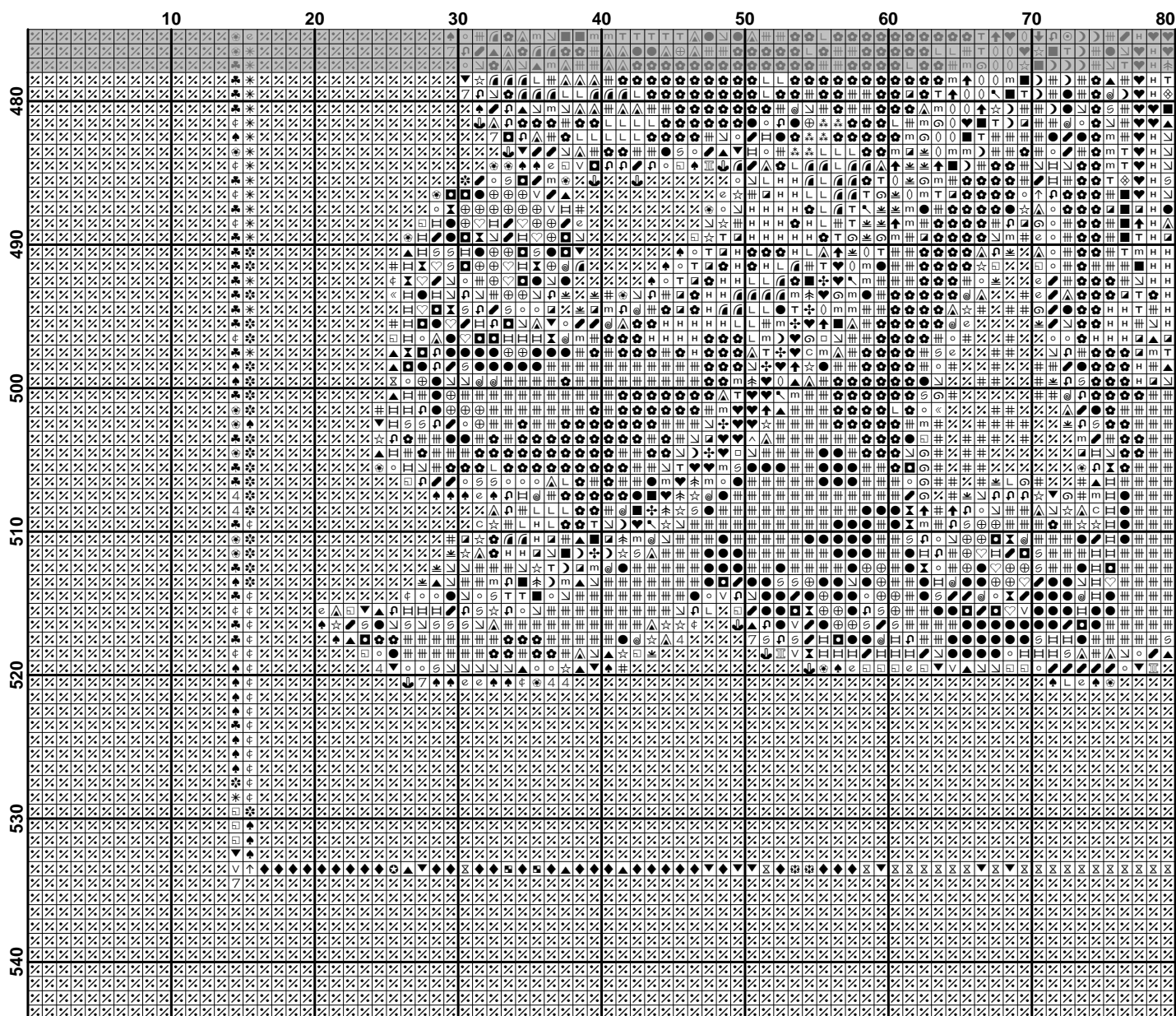
|     | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
|-----|----|----|-----|-----|-----|-----|-----|-----|
| 380 |    |    |     |     |     |     |     |     |
| 390 |    |    |     |     |     |     |     |     |
| 400 |    |    |     |     |     |     |     |     |
| 410 |    |    |     |     |     |     |     |     |
| 420 |    |    |     |     |     |     |     |     |
| 430 |    |    |     |     |     |     |     |     |
| 440 |    |    |     |     |     |     |     |     |
| 450 |    |    |     |     |     |     |     |     |
| 460 |    |    |     |     |     |     |     |     |
| 470 |    |    |     |     |     |     |     |     |

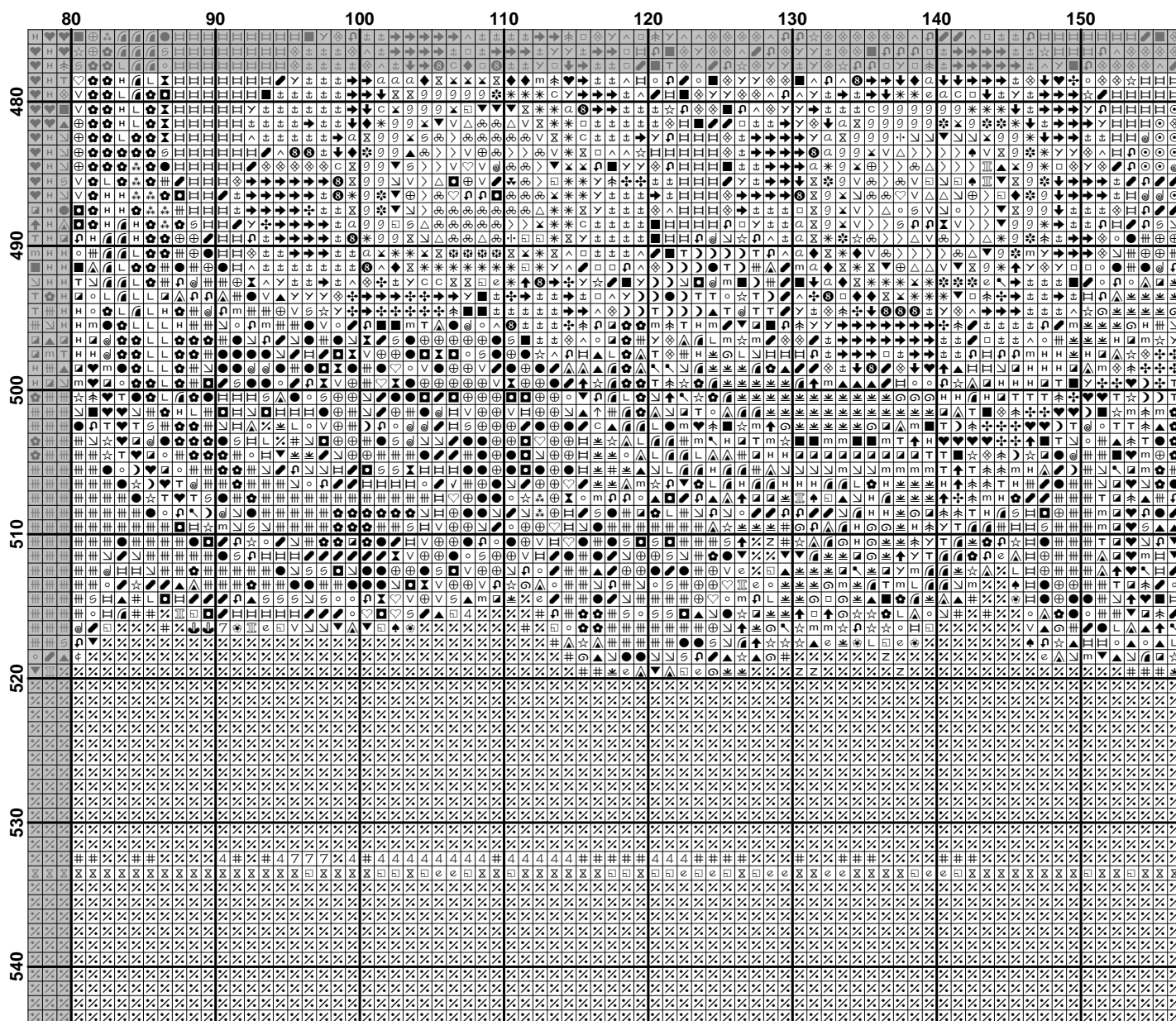




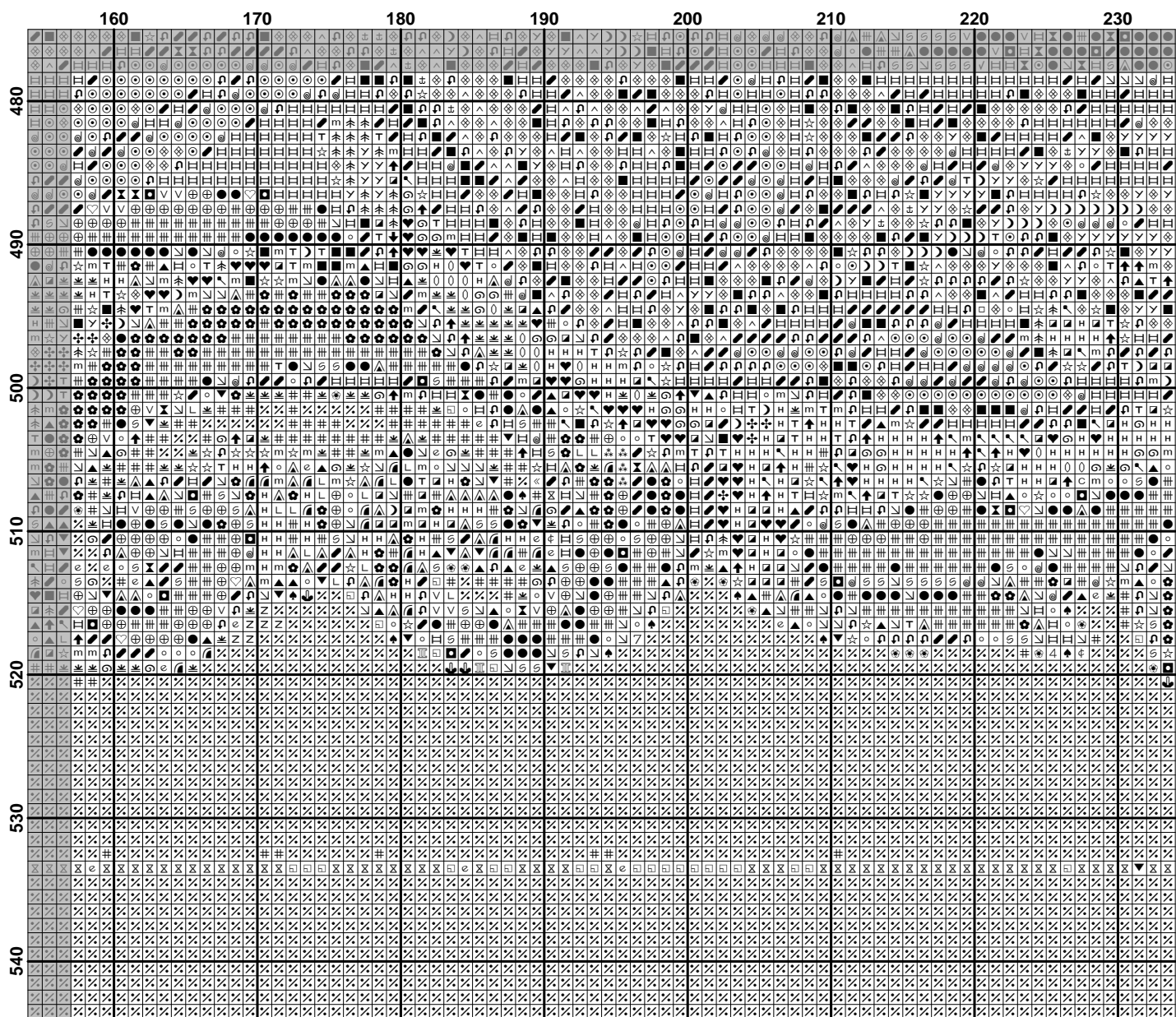


(36)









|     | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 480 |     |     |     |     |     |     |     |     |
| 490 |     |     |     |     |     |     |     |     |
| 500 |     |     |     |     |     |     |     |     |
| 510 |     |     |     |     |     |     |     |     |
| 520 |     |     |     |     |     |     |     |     |
| 530 |     |     |     |     |     |     |     |     |
| 540 |     |     |     |     |     |     |     |     |

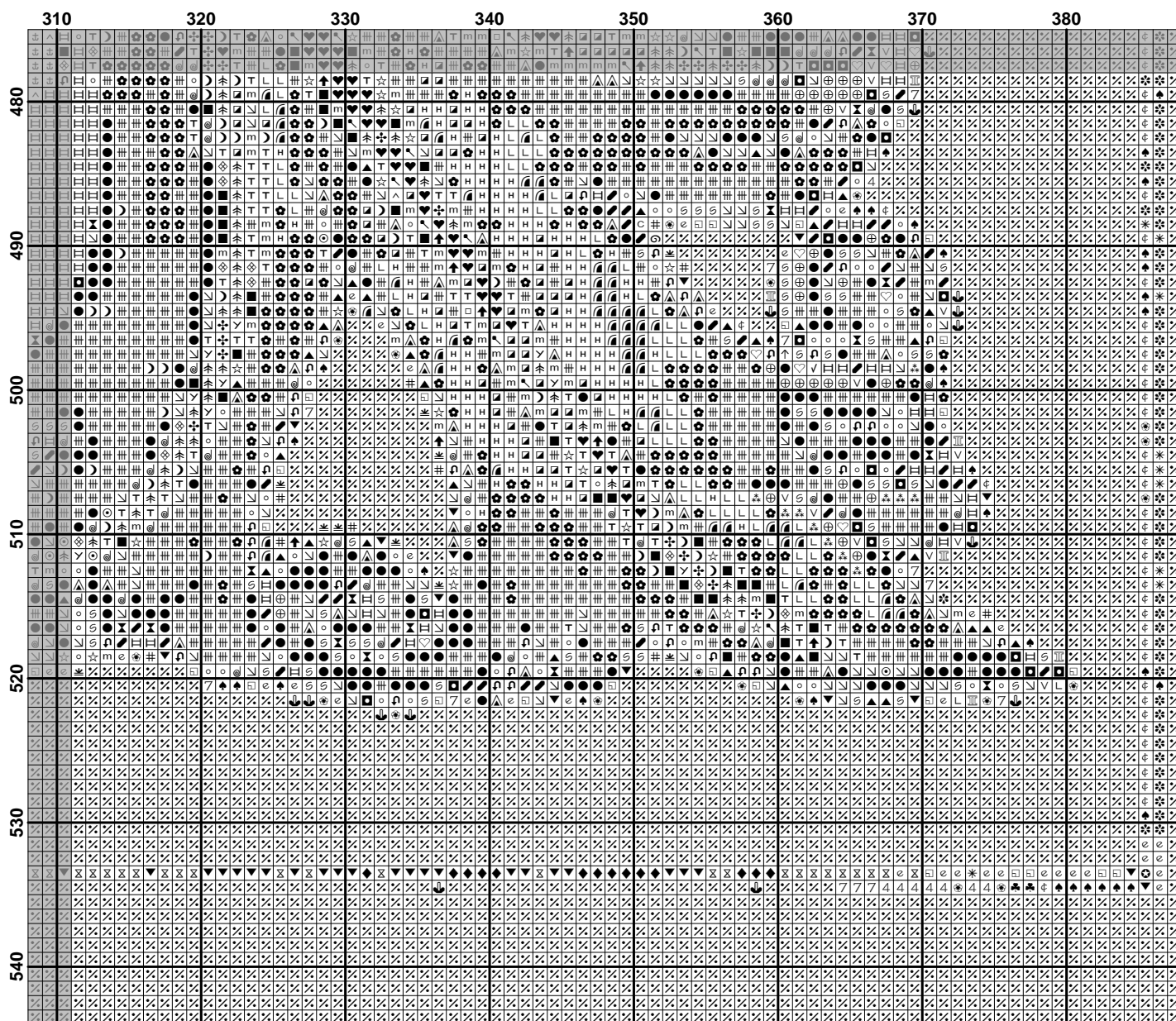


Figure 1 is a 10x10 grid of 100 cells, representing the spatial distribution of the number of cells in the 390 and 400 size classes. The grid is labeled with row numbers 480 to 540 on the left and column numbers 390 and 400 at the top. The cells are shaded in a pattern that suggests a spatial distribution of the two size classes. The shading is most intense in the top-left corner (rows 480-490, columns 390-400) and fades towards the bottom-right corner (rows 530-540, columns 390-400). The grid is composed of 10 rows and 10 columns, with each cell containing a small, dark, cross-like pattern.