

## 642 The Well



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## Instructions

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

### Fabric

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

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

### Stitches

Each length of DMC thread consists of six strands.

Use two of these strands for all stitches.

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

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

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

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

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## The Well

| Stitch Count |     |
|--------------|-----|
| Horizontal:  | 300 |
| Vertical:    | 401 |

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

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

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

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

|                    | 14    |       |        |       | 16    |       |        |       | 18    |        |        |       |
|--------------------|-------|-------|--------|-------|-------|-------|--------|-------|-------|--------|--------|-------|
|                    | Width |       | Height |       | Width |       | Height |       | Width |        | Height |       |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch   | cm     | inch  |
| Pattern:           | 55    | 21.37 | 73     | 28.6  | 48    | 18.7  | 64     | 25.03 | 43    | 16.625 | 57     | 22.25 |
| Including Margins: | 71    | 28    | 89     | 35    | 64    | 25    | 80     | 32    | 59    | 23     | 73     | 29    |
|                    | 10    |       |        |       | 12    |       |        |       | 24    |        |        |       |
|                    | Width |       | Height |       | Width |       | Height |       | Width |        | Height |       |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch   | cm     | inch  |
| Pattern:           | 77    | 29.91 | 102    | 40.04 | 64    | 24.93 | 85     | 33.36 | 32    | 12.46  | 42     | 16.68 |
| Including Margins: | 93    | 36    | 118    | 47    | 80    | 31    | 101    | 40    | 48    | 19     | 58     | 23    |
|                    | 25    |       |        |       | 26    |       |        |       | 27    |        |        |       |
|                    | Width |       | Height |       | Width |       | Height |       | Width |        | Height |       |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch   | cm     | inch  |
| Pattern:           | 30    | 11.96 | 40     | 16.01 | 29    | 11.5  | 39     | 15.4  | 28    | 11.08  | 37     | 14.82 |
| Including Margins: | 46    | 18    | 56     | 23    | 45    | 18    | 55     | 22    | 44    | 18     | 53     | 21    |
|                    | 28    |       |        |       | 30    |       |        |       | 32    |        |        |       |
|                    | Width |       | Height |       | Width |       | Height |       | Width |        | Height |       |
|                    | cm    | inch  | cm     | inch  | cm    | inch  | cm     | inch  | cm    | inch   | cm     | inch  |
| Pattern:           | 27    | 10.68 | 36     | 14.3  | 25    | 9.97  | 34     | 13.34 | 24    | 9.34   | 31     | 12.51 |
| Including Margins: | 43    | 17    | 52     | 21    | 41    | 16    | 50     | 20    | 40    | 16     | 47     | 19    |

| Solid Color Stitches. Use two strands of the specified color for these stitches. |     |                      |
|----------------------------------------------------------------------------------|-----|----------------------|
| Symbol                                                                           | DMC | Name                 |
| •                                                                                | 1   | White 1              |
| ↖                                                                                | 224 | Shell Pink-VY LT     |
| ◆                                                                                | 301 | Mahogany-MD          |
| ↗                                                                                | 353 | Peach                |
| ✦                                                                                | 407 | Desert Sand-DK       |
| ●                                                                                | 433 | Brown-MD             |
| ↓                                                                                | 434 | Brown-LT             |
| ✦                                                                                | 435 | Brown-VY LT          |
| ◐                                                                                | 503 | Blue Green-MD        |
| ✦                                                                                | 543 | Beige Brown-UL VY LT |
| ✕                                                                                | 597 | Turquoise            |
| III                                                                              | 613 | Drab Brown-VY LT     |
| ↓                                                                                | 640 | Beige Gray-VY DK     |
| ↘                                                                                | 648 | Beaver Gray-LT       |
| •                                                                                | 677 | Old Gold-VY LT       |
| ↘                                                                                | 712 | Cream                |
| ➔                                                                                | 720 | Orange Spice-DK      |
| ⇒                                                                                | 738 | Tan-VY LT            |
| ◇                                                                                | 739 | Tan-UL VY LT         |
| //                                                                               | 754 | Peach-LT             |
| ✕                                                                                | 758 | Terra Cotta-VY LT    |
| ●                                                                                | 801 | Coffee Brown-DK      |
| ♂                                                                                | 819 | Baby Pink-LT         |
| ⊠                                                                                | 822 | Beige Gray-LT        |
| ❖                                                                                | 833 | Golden Olive-LT      |
| ✕                                                                                | 922 | Copper-LT            |
| ✦                                                                                | 927 | Gray Green-LT        |
| ■                                                                                | 934 | Black Avocado Green  |

|   |      |                     |
|---|------|---------------------|
| z | 945  | Tawny               |
| ➤ | 948  | Peach-VY LT         |
| ⦿ | 950  | Desert Sand-LT      |
| ↑ | 955  | Nile Green-LT       |
| ↗ | 964  | Sea Green-LT        |
| ⊠ | 992  | Aquamarine-MD       |
| ✦ | 3011 | Khaki Green-DK      |
| ■ | 3032 | Mocha Brown-MD      |
| ⦿ | 3045 | Yellow Beige-DK     |
| ⊠ | 3053 | Green Gray          |
| ↓ | 3078 | Golden Yellow-VY LT |
| ⦿ | 3347 | Yellow Green-MD     |
| ● | 3362 | Pine Green-DK       |
| ← | 3722 | Shell Pink-MD       |
| ✦ | 3726 | Antique Mauve-DK    |
| z | 3756 | Baby Blue-UL VY LT  |
| * | 3766 | Peacock Blue-LT     |
| ♥ | 3768 | Gray Green-DK       |
| T | 3770 | Tawny-VY LT         |
| ⊠ | 3773 | Desert Sand-MD      |
| ◇ | 3778 | Terra Cotta-LT      |
| ⦿ | 3808 | Turquoise-UL VY DK  |
| ⦿ | 3810 | Turquoise-DK        |
| ◇ | 3811 | Turquoise-VY LT     |
| ★ | 3820 | Straw-DK            |
| ↓ | 3824 | Apricot-LT          |
| ✕ | 3855 | Autumn Gold-LT      |
| ✕ | 3864 | Mocha Beige-LT      |
| √ | 3865 | Winter White        |
| O | Ecrú | Ecrú                |

| Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches. |      |                     |      |                      |
|-----------------------------------------------------------------------------|------|---------------------|------|----------------------|
| Symbol                                                                      | DMC1 | Name1               | DMC2 | Name2                |
| ☉                                                                           | 3045 | Yellow Beige-DK     | 407  | Desert Sand-DK       |
| ☐                                                                           | 3045 | Yellow Beige-DK     | 407  | Desert Sand-DK       |
| ☼                                                                           | 738  | Tan-VY LT           | 3045 | Yellow Beige-DK      |
| ☽                                                                           | 738  | Tan-VY LT           | 3045 | Yellow Beige-DK      |
| ☿                                                                           | 3864 | Mocha Beige-LT      | 738  | Tan-VY LT            |
| ♄                                                                           | 3864 | Mocha Beige-LT      | 738  | Tan-VY LT            |
| ♅                                                                           | 3865 | Winter White        | 819  | Baby Pink-LT         |
| ♆                                                                           | 3865 | Winter White        | 819  | Baby Pink-LT         |
| ♇                                                                           | 738  | Tan-VY LT           | 739  | Tan-UL VY LT         |
| ♈                                                                           | 738  | Tan-VY LT           | 739  | Tan-UL VY LT         |
| ♉                                                                           | 781  | Topaz-VY DK         | 921  | Copper               |
| ♊                                                                           | 3824 | Apricot-LT          | 758  | Terra Cotta-VY LT    |
| ♋                                                                           | 3824 | Apricot-LT          | 758  | Terra Cotta-VY LT    |
| ♌                                                                           | 782  | Topaz-DK            | 780  | Topaz-UL VY DK       |
| ♍                                                                           | 819  | Baby Pink-LT        | 1    | White 1              |
| ♎                                                                           | ecru | Ecrú                | 822  | Beige Gray-LT        |
| ♏                                                                           | 720  | Orange Spice-DK     | 922  | Copper-LT            |
| ♐                                                                           | 301  | Mahogany-MD         | 3778 | Terra Cotta-LT       |
| ♑                                                                           | 435  | Brown-VY LT         | 3045 | Yellow Beige-DK      |
| ♒                                                                           | 435  | Brown-VY LT         | 3347 | Yellow Green-MD      |
| ♓                                                                           | 3011 | Khaki Green-DK      | 435  | Brown-VY LT          |
| ♈                                                                           | 934  | Black Avocado Green | 3362 | Pine Green-DK        |
| ♉                                                                           | 353  | Peach               | 819  | Baby Pink-LT         |
| ♊                                                                           | 353  | Peach               | 3770 | Tawny-VY LT          |
| ♋                                                                           | 3078 | Golden Yellow-VY LT | 819  | Baby Pink-LT         |
| ♌                                                                           | 754  | Peach-LT            | 677  | Old Gold-VY LT       |
| ♍                                                                           | 3778 | Terra Cotta-LT      | 3773 | Desert Sand-MD       |
| ♎                                                                           | 433  | Brown-MD            | 3011 | Khaki Green-DK       |
| ♏                                                                           | 3773 | Desert Sand-MD      | 758  | Terra Cotta-VY LT    |
| ♐                                                                           | 640  | Beige Gray-VY DK    | 3778 | Terra Cotta-LT       |
| ♑                                                                           | 224  | Shell Pink-VY LT    | 738  | Tan-VY LT            |
| ♒                                                                           | 648  | Beaver Gray-LT      | 712  | Cream                |
| ♓                                                                           | 934  | Black Avocado Green | 3810 | Turquoise-DK         |
| ♈                                                                           | 597  | Turquoise           | 3808 | Turquoise-UL VY DK   |
| ♉                                                                           | 3726 | Antique Mauve-DK    | 433  | Brown-MD             |
| ♊                                                                           | 3772 | Desert Sand-VY DK   | 3778 | Terra Cotta-LT       |
| ♋                                                                           | 3722 | Shell Pink-MD       | 3778 | Terra Cotta-LT       |
| ♌                                                                           | 3722 | Shell Pink-MD       | 3778 | Terra Cotta-LT       |
| ♍                                                                           | 3768 | Gray Green-DK       | 503  | Blue Green-MD        |
| ♎                                                                           | 922  | Copper-LT           | 301  | Mahogany-MD          |
| ♏                                                                           | 3347 | Yellow Green-MD     | 833  | Golden Olive-LT      |
| ♐                                                                           | 3347 | Yellow Green-MD     | 3011 | Khaki Green-DK       |
| ♑                                                                           | 3768 | Gray Green-DK       | 640  | Beige Gray-VY DK     |
| ♒                                                                           | 3864 | Mocha Beige-LT      | 543  | Beige Brown-UL VY LT |
| ♓                                                                           | 3855 | Autumn Gold-LT      | 833  | Golden Olive-LT      |
| ♈                                                                           | 640  | Beige Gray-VY DK    | 503  | Blue Green-MD        |
| ♉                                                                           | 3864 | Mocha Beige-LT      | 927  | Gray Green-LT        |
| ♊                                                                           | 3756 | Baby Blue-UL VY LT  | 819  | Baby Pink-LT         |
| ♋                                                                           | 3756 | Baby Blue-UL VY LT  | 3811 | Turquoise-VY LT      |
| ♌                                                                           | 712  | Cream               | ecru | Ecrú                 |
| ♍                                                                           | 597  | Turquoise           | 3810 | Turquoise-DK         |
| ♎                                                                           | 435  | Brown-VY LT         | 801  | Coffee Brown-DK      |

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

| DMC  | Name                 | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|------|----------------------|------------|--------------|------------|--------------|------------|--------------|
|      |                      | 14         |              | 16         |              | 18         |              |
| 1    | White 1              | 1350       | 531          | 1286       | 506          | 1157       | 455          |
| 224  | Shell Pink-VY LT     | 87         | 34           | 83         | 32           | 74         | 29           |
| 301  | Mahogany-MD          | 49         | 19           | 47         | 18           | 42         | 16           |
| 353  | Peach                | 162        | 63           | 155        | 61           | 139        | 54           |
| 407  | Desert Sand-DK       | 122        | 48           | 116        | 45           | 104        | 40           |
| 433  | Brown-MD             | 103        | 40           | 98         | 38           | 88         | 34           |
| 434  | Brown-LT             | 39         | 15           | 37         | 14           | 34         | 13           |
| 435  | Brown-VY LT          | 292        | 114          | 278        | 109          | 250        | 98           |
| 503  | Blue Green-MD        | 44         | 17           | 42         | 16           | 38         | 14           |
| 543  | Beige Brown-UL VY LT | 987        | 388          | 940        | 370          | 846        | 333          |
| 597  | Turquoise            | 14         | 5            | 14         | 5            | 12         | 4            |
| 613  | Drab Brown-VY LT     | 417        | 164          | 397        | 156          | 358        | 140          |
| 640  | Beige Gray-VY DK     | 337        | 132          | 321        | 126          | 289        | 113          |
| 648  | Beaver Gray-LT       | 402        | 158          | 383        | 150          | 345        | 135          |
| 677  | Old Gold-VY LT       | 216        | 85           | 206        | 81           | 185        | 72           |
| 712  | Cream                | 1533       | 603          | 1460       | 574          | 1314       | 517          |
| 720  | Orange Spice-DK      | 24         | 9            | 23         | 9            | 21         | 8            |
| 738  | Tan-VY LT            | 969        | 381          | 923        | 363          | 831        | 327          |
| 739  | Tan-UL VY LT         | 545        | 214          | 519        | 204          | 467        | 183          |
| 754  | Peach-LT             | 142        | 55           | 135        | 53           | 122        | 48           |
| 758  | Terra Cotta-VY LT    | 71         | 27           | 68         | 26           | 61         | 24           |
| 780  | Topaz-UL VY DK       | 25         | 9            | 24         | 9            | 21         | 8            |
| 781  | Topaz-VY DK          | 3          | 1            | 3          | 1            | 3          | 1            |
| 782  | Topaz-DK             | 25         | 9            | 24         | 9            | 21         | 8            |
| 801  | Coffee Brown-DK      | 88         | 34           | 83         | 32           | 75         | 29           |
| 819  | Baby Pink-LT         | 6271       | 2468         | 5972       | 2351         | 5375       | 2116         |
| 822  | Beige Gray-LT        | 1163       | 457          | 1107       | 435          | 997        | 392          |
| 833  | Golden Olive-LT      | 423        | 166          | 403        | 158          | 362        | 142          |
| 921  | Copper               | 3          | 1            | 3          | 1            | 3          | 1            |
| 922  | Copper-LT            | 61         | 24           | 58         | 22           | 52         | 20           |
| 927  | Gray Green-LT        | 99         | 38           | 94         | 37           | 85         | 33           |
| 934  | Black Avocado Green  | 169        | 66           | 161        | 63           | 145        | 57           |
| 945  | Tawny                | 86         | 33           | 82         | 32           | 74         | 29           |
| 948  | Peach-VY LT          | 280        | 110          | 267        | 105          | 240        | 94           |
| 950  | Desert Sand-LT       | 270        | 106          | 257        | 101          | 231        | 90           |
| 955  | Nile Green-LT        | 5          | 1            | 5          | 1            | 4          | 1            |
| 964  | Sea Green-LT         | 9          | 3            | 9          | 3            | 8          | 3            |
| 992  | Aquamarine-MD        | 2          | 1            | 2          | 1            | 1          | 1            |
| 3011 | Khaki Green-DK       | 273        | 107          | 260        | 102          | 234        | 92           |
| 3032 | Mocha Brown-MD       | 282        | 111          | 268        | 105          | 241        | 94           |
| 3045 | Yellow Beige-DK      | 644        | 253          | 613        | 241          | 552        | 217          |
| 3053 | Green Gray           | 183        | 72           | 174        | 68           | 157        | 61           |
| 3078 | Golden Yellow-VY LT  | 270        | 106          | 258        | 101          | 232        | 91           |
| 3347 | Yellow Green-MD      | 256        | 100          | 244        | 96           | 219        | 86           |
| 3362 | Pine Green-DK        | 87         | 34           | 83         | 32           | 75         | 29           |
| 3722 | Shell Pink-MD        | 56         | 22           | 54         | 21           | 48         | 18           |
| 3726 | Antique Mauve-DK     | 56         | 22           | 53         | 20           | 48         | 18           |
| 3756 | Baby Blue-UL VY LT   | 1805       | 710          | 1719       | 676          | 1547       | 609          |
| 3766 | Peacock Blue-LT      | 9          | 3            | 8          | 3            | 7          | 2            |
| 3768 | Gray Green-DK        | 53         | 20           | 51         | 20           | 45         | 17           |
| 3770 | Tawny-VY LT          | 802        | 315          | 764        | 300          | 688        | 270          |
| 3772 | Desert Sand-VY DK    | 13         | 5            | 12         | 4            | 11         | 4            |
| 3773 | Desert Sand-MD       | 84         | 33           | 80         | 31           | 72         | 28           |

|      |                    |      |      |      |      |      |      |
|------|--------------------|------|------|------|------|------|------|
| 3778 | Terra Cotta-LT     | 151  | 59   | 144  | 56   | 130  | 51   |
| 3808 | Turquoise-UL VY DK | 7    | 2    | 6    | 2    | 6    | 2    |
| 3810 | Turquoise-DK       | 7    | 2    | 7    | 2    | 6    | 2    |
| 3811 | Turquoise-VY LT    | 48   | 18   | 46   | 18   | 41   | 16   |
| 3820 | Straw-DK           | 46   | 18   | 44   | 17   | 39   | 15   |
| 3824 | Apricot-LT         | 24   | 9    | 23   | 9    | 20   | 7    |
| 3855 | Autumn Gold-LT     | 245  | 96   | 233  | 91   | 210  | 82   |
| 3864 | Mocha Beige-LT     | 690  | 271  | 657  | 258  | 591  | 232  |
| 3865 | Winter White       | 3228 | 1270 | 3074 | 1210 | 2766 | 1088 |
| ecru | Ecru               | 1295 | 509  | 1233 | 485  | 1110 | 437  |

| Extended thread usage table. |                      |            |              |            |              |            |              |
|------------------------------|----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name                 | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                      | 10         |              | 12         |              | 24         |              |
| 1                            | White 1              | 2083       | 819          | 1736       | 683          | 868        | 341          |
| 224                          | Shell Pink-VY LT     | 133        | 52           | 111        | 44           | 56         | 22           |
| 301                          | Mahogany-MD          | 76         | 29           | 63         | 24           | 32         | 12           |
| 353                          | Peach                | 250        | 97           | 209        | 81           | 104        | 41           |
| 407                          | Desert Sand-DK       | 187        | 72           | 156        | 60           | 78         | 30           |
| 433                          | Brown-MD             | 158        | 61           | 132        | 51           | 66         | 26           |
| 434                          | Brown-LT             | 61         | 23           | 51         | 20           | 26         | 10           |
| 435                          | Brown-VY LT          | 450        | 176          | 375        | 147          | 188        | 74           |
| 503                          | Blue Green-MD        | 68         | 25           | 57         | 21           | 29         | 11           |
| 543                          | Beige Brown-UL VY LT | 1523       | 599          | 1269       | 500          | 635        | 250          |
| 597                          | Turquoise            | 22         | 7            | 18         | 6            | 9          | 3            |
| 613                          | Drab Brown-VY LT     | 644        | 252          | 537        | 210          | 269        | 105          |
| 640                          | Beige Gray-VY DK     | 520        | 203          | 434        | 170          | 217        | 85           |
| 648                          | Beaver Gray-LT       | 621        | 243          | 518        | 203          | 259        | 101          |
| 677                          | Old Gold-VY LT       | 333        | 130          | 278        | 108          | 139        | 54           |
| 712                          | Cream                | 2365       | 931          | 1971       | 776          | 986        | 388          |
| 720                          | Orange Spice-DK      | 38         | 14           | 32         | 12           | 16         | 6            |
| 738                          | Tan-VY LT            | 1496       | 589          | 1247       | 491          | 623        | 245          |
| 739                          | Tan-UL VY LT         | 841        | 329          | 701        | 275          | 350        | 137          |
| 754                          | Peach-LT             | 220        | 86           | 183        | 72           | 92         | 36           |
| 758                          | Terra Cotta-VY LT    | 110        | 43           | 92         | 36           | 46         | 18           |
| 780                          | Topaz-UL VY DK       | 38         | 14           | 32         | 12           | 16         | 6            |
| 781                          | Topaz-VY DK          | 5          | 2            | 5          | 2            | 2          | 1            |
| 782                          | Topaz-DK             | 38         | 14           | 32         | 12           | 16         | 6            |
| 801                          | Coffee Brown-DK      | 135        | 52           | 113        | 44           | 56         | 22           |
| 819                          | Baby Pink-LT         | 9675       | 3809         | 8063       | 3174         | 4031       | 1587         |
| 822                          | Beige Gray-LT        | 1795       | 706          | 1496       | 588          | 748        | 294          |
| 833                          | Golden Olive-LT      | 652        | 256          | 543        | 213          | 272        | 107          |
| 921                          | Copper               | 5          | 2            | 5          | 2            | 2          | 1            |
| 922                          | Copper-LT            | 94         | 36           | 78         | 30           | 39         | 15           |
| 927                          | Gray Green-LT        | 153        | 59           | 128        | 50           | 64         | 25           |
| 934                          | Black Avocado Green  | 261        | 103          | 218        | 86           | 109        | 43           |
| 945                          | Tawny                | 133        | 52           | 111        | 44           | 56         | 22           |
| 948                          | Peach-VY LT          | 432        | 169          | 360        | 141          | 180        | 71           |
| 950                          | Desert Sand-LT       | 416        | 162          | 347        | 135          | 173        | 68           |
| 955                          | Nile Green-LT        | 7          | 2            | 6          | 2            | 3          | 1            |
| 964                          | Sea Green-LT         | 14         | 5            | 12         | 5            | 6          | 2            |
| 992                          | Aquamarine-MD        | 2          | 2            | 2          | 2            | 1          | 1            |
| 3011                         | Khaki Green-DK       | 421        | 166          | 351        | 138          | 176        | 69           |
| 3032                         | Mocha Brown-MD       | 434        | 169          | 362        | 141          | 181        | 71           |
| 3045                         | Yellow Beige-DK      | 994        | 391          | 828        | 326          | 414        | 163          |
| 3053                         | Green Gray           | 283        | 110          | 236        | 92           | 118        | 46           |

|      |                     |      |      |      |      |      |     |
|------|---------------------|------|------|------|------|------|-----|
| 3078 | Golden Yellow-VY LT | 418  | 164  | 348  | 137  | 174  | 68  |
| 3347 | Yellow Green-MD     | 394  | 155  | 329  | 129  | 164  | 65  |
| 3362 | Pine Green-DK       | 135  | 52   | 113  | 44   | 56   | 22  |
| 3722 | Shell Pink-MD       | 86   | 32   | 72   | 27   | 36   | 14  |
| 3726 | Antique Mauve-DK    | 86   | 32   | 72   | 27   | 36   | 14  |
| 3756 | Baby Blue-UL VY LT  | 2785 | 1096 | 2321 | 914  | 1160 | 457 |
| 3766 | Peacock Blue-LT     | 13   | 4    | 11   | 3    | 5    | 2   |
| 3768 | Gray Green-DK       | 81   | 31   | 68   | 26   | 34   | 13  |
| 3770 | Tawny-VY LT         | 1238 | 486  | 1032 | 405  | 516  | 203 |
| 3772 | Desert Sand-VY DK   | 20   | 7    | 17   | 6    | 8    | 3   |
| 3773 | Desert Sand-MD      | 130  | 50   | 108  | 42   | 54   | 21  |
| 3778 | Terra Cotta-LT      | 234  | 92   | 195  | 77   | 98   | 38  |
| 3808 | Turquoise-UL VY DK  | 11   | 4    | 9    | 3    | 5    | 2   |
| 3810 | Turquoise-DK        | 11   | 4    | 9    | 3    | 5    | 2   |
| 3811 | Turquoise-VY LT     | 74   | 29   | 62   | 24   | 31   | 12  |
| 3820 | Straw-DK            | 70   | 27   | 59   | 23   | 29   | 11  |
| 3824 | Apricot-LT          | 36   | 13   | 30   | 11   | 15   | 5   |
| 3855 | Autumn Gold-LT      | 378  | 148  | 315  | 123  | 158  | 62  |
| 3864 | Mocha Beige-LT      | 1064 | 418  | 887  | 348  | 443  | 174 |
| 3865 | Winter White        | 4979 | 1958 | 4149 | 1632 | 2075 | 816 |
| ecru | Ecu                 | 1998 | 787  | 1665 | 656  | 833  | 328 |

| Extended thread usage table. |                      |            |              |            |              |            |              |
|------------------------------|----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name                 | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                      | 25         |              | 26         |              | 27         |              |
| 1                            | White 1              | 833        | 328          | 801        | 315          | 771        | 303          |
| 224                          | Shell Pink-VY LT     | 53         | 21           | 51         | 20           | 49         | 19           |
| 301                          | Mahogany-MD          | 30         | 12           | 29         | 11           | 28         | 11           |
| 353                          | Peach                | 100        | 39           | 96         | 37           | 93         | 36           |
| 407                          | Desert Sand-DK       | 75         | 29           | 72         | 28           | 69         | 27           |
| 433                          | Brown-MD             | 63         | 24           | 61         | 24           | 59         | 23           |
| 434                          | Brown-LT             | 24         | 9            | 24         | 9            | 23         | 9            |
| 435                          | Brown-VY LT          | 180        | 71           | 173        | 68           | 167        | 65           |
| 503                          | Blue Green-MD        | 27         | 10           | 26         | 10           | 25         | 9            |
| 543                          | Beige Brown-UL VY LT | 609        | 240          | 586        | 231          | 564        | 222          |
| 597                          | Turquoise            | 9          | 3            | 8          | 3            | 8          | 3            |
| 613                          | Drab Brown-VY LT     | 258        | 101          | 248        | 97           | 239        | 93           |
| 640                          | Beige Gray-VY DK     | 208        | 81           | 200        | 78           | 193        | 75           |
| 648                          | Beaver Gray-LT       | 248        | 97           | 239        | 93           | 230        | 90           |
| 677                          | Old Gold-VY LT       | 133        | 52           | 128        | 50           | 123        | 48           |
| 712                          | Cream                | 946        | 372          | 910        | 358          | 876        | 345          |
| 720                          | Orange Spice-DK      | 15         | 6            | 15         | 6            | 14         | 5            |
| 738                          | Tan-VY LT            | 598        | 235          | 575        | 226          | 554        | 218          |
| 739                          | Tan-UL VY LT         | 336        | 132          | 323        | 127          | 311        | 122          |
| 754                          | Peach-LT             | 88         | 35           | 84         | 33           | 81         | 32           |
| 758                          | Terra Cotta-VY LT    | 44         | 17           | 42         | 17           | 41         | 16           |
| 780                          | Topaz-UL VY DK       | 15         | 6            | 15         | 6            | 14         | 5            |
| 781                          | Topaz-VY DK          | 2          | 1            | 2          | 1            | 2          | 1            |
| 782                          | Topaz-DK             | 15         | 6            | 15         | 6            | 14         | 5            |
| 801                          | Coffee Brown-DK      | 54         | 21           | 52         | 20           | 50         | 19           |
| 819                          | Baby Pink-LT         | 3870       | 1524         | 3721       | 1465         | 3583       | 1411         |
| 822                          | Beige Gray-LT        | 718        | 282          | 690        | 271          | 665        | 261          |
| 833                          | Golden Olive-LT      | 261        | 102          | 251        | 98           | 241        | 95           |
| 921                          | Copper               | 2          | 1            | 2          | 1            | 2          | 1            |
| 922                          | Copper-LT            | 37         | 14           | 36         | 14           | 35         | 13           |
| 927                          | Gray Green-LT        | 61         | 24           | 59         | 23           | 57         | 22           |

|      |                     |      |     |      |     |      |     |
|------|---------------------|------|-----|------|-----|------|-----|
| 934  | Black Avocado Green | 104  | 41  | 100  | 39  | 97   | 38  |
| 945  | Tawny               | 53   | 21  | 51   | 20  | 49   | 19  |
| 948  | Peach-VY LT         | 173  | 68  | 166  | 65  | 160  | 63  |
| 950  | Desert Sand-LT      | 166  | 65  | 160  | 62  | 154  | 60  |
| 955  | Nile Green-LT       | 3    | 1   | 3    | 1   | 3    | 1   |
| 964  | Sea Green-LT        | 6    | 2   | 6    | 2   | 5    | 2   |
| 992  | Aquamarine-MD       | 1    | 1   | 1    | 1   | 1    | 1   |
| 3011 | Khaki Green-DK      | 168  | 66  | 162  | 64  | 156  | 61  |
| 3032 | Mocha Brown-MD      | 174  | 68  | 167  | 65  | 161  | 63  |
| 3045 | Yellow Beige-DK     | 397  | 156 | 382  | 150 | 368  | 145 |
| 3053 | Green Gray          | 113  | 44  | 109  | 42  | 105  | 41  |
| 3078 | Golden Yellow-VY LT | 167  | 66  | 161  | 63  | 155  | 61  |
| 3347 | Yellow Green-MD     | 158  | 62  | 152  | 60  | 146  | 57  |
| 3362 | Pine Green-DK       | 54   | 21  | 52   | 20  | 50   | 19  |
| 3722 | Shell Pink-MD       | 35   | 13  | 33   | 12  | 32   | 12  |
| 3726 | Antique Mauve-DK    | 35   | 13  | 33   | 12  | 32   | 12  |
| 3756 | Baby Blue-UL VY LT  | 1114 | 438 | 1071 | 422 | 1031 | 406 |
| 3766 | Peacock Blue-LT     | 5    | 1   | 5    | 1   | 5    | 1   |
| 3768 | Gray Green-DK       | 32   | 12  | 31   | 12  | 30   | 11  |
| 3770 | Tawny-VY LT         | 495  | 194 | 476  | 187 | 459  | 180 |
| 3772 | Desert Sand-VY DK   | 8    | 3   | 8    | 3   | 7    | 3   |
| 3773 | Desert Sand-MD      | 52   | 20  | 50   | 19  | 48   | 19  |
| 3778 | Terra Cotta-LT      | 94   | 37  | 90   | 35  | 87   | 34  |
| 3808 | Turquoise-UL VY DK  | 4    | 1   | 4    | 1   | 4    | 1   |
| 3810 | Turquoise-DK        | 4    | 1   | 4    | 1   | 4    | 1   |
| 3811 | Turquoise-VY LT     | 30   | 12  | 28   | 11  | 27   | 11  |
| 3820 | Straw-DK            | 28   | 11  | 27   | 10  | 26   | 10  |
| 3824 | Apricot-LT          | 14   | 5   | 14   | 5   | 13   | 5   |
| 3855 | Autumn Gold-LT      | 151  | 59  | 145  | 57  | 140  | 55  |
| 3864 | Mocha Beige-LT      | 426  | 167 | 409  | 161 | 394  | 155 |
| 3865 | Winter White        | 1992 | 783 | 1915 | 753 | 1844 | 725 |
| ecru | Ecru                | 799  | 315 | 768  | 303 | 740  | 291 |

| Extended thread usage table. |                      |            |              |            |              |            |              |
|------------------------------|----------------------|------------|--------------|------------|--------------|------------|--------------|
| DMC                          | Name                 | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) | Usage (cm) | Usage (inch) |
|                              |                      | 28         |              | 30         |              | 32         |              |
| 1                            | White 1              | 744        | 293          | 694        | 273          | 651        | 256          |
| 224                          | Shell Pink-VY LT     | 48         | 19           | 44         | 17           | 42         | 16           |
| 301                          | Mahogany-MD          | 27         | 10           | 25         | 10           | 24         | 9            |
| 353                          | Peach                | 89         | 35           | 83         | 32           | 78         | 30           |
| 407                          | Desert Sand-DK       | 67         | 26           | 62         | 24           | 59         | 23           |
| 433                          | Brown-MD             | 57         | 22           | 53         | 20           | 50         | 19           |
| 434                          | Brown-LT             | 22         | 8            | 20         | 8            | 19         | 7            |
| 435                          | Brown-VY LT          | 161        | 63           | 150        | 59           | 141        | 55           |
| 503                          | Blue Green-MD        | 24         | 9            | 23         | 8            | 21         | 8            |
| 543                          | Beige Brown-UL VY LT | 544        | 214          | 508        | 200          | 476        | 187          |
| 597                          | Turquoise            | 8          | 3            | 7          | 2            | 7          | 2            |
| 613                          | Drab Brown-VY LT     | 230        | 90           | 215        | 84           | 201        | 79           |
| 640                          | Beige Gray-VY DK     | 186        | 73           | 173        | 68           | 163        | 64           |
| 648                          | Beaver Gray-LT       | 222        | 87           | 207        | 81           | 194        | 76           |
| 677                          | Old Gold-VY LT       | 119        | 46           | 111        | 43           | 104        | 41           |
| 712                          | Cream                | 845        | 332          | 788        | 310          | 739        | 291          |
| 720                          | Orange Spice-DK      | 14         | 5            | 13         | 5            | 12         | 5            |
| 738                          | Tan-VY LT            | 534        | 210          | 499        | 196          | 467        | 184          |
| 739                          | Tan-UL VY LT         | 300        | 118          | 280        | 110          | 263        | 103          |
| 754                          | Peach-LT             | 78         | 31           | 73         | 29           | 69         | 27           |
| 758                          | Terra Cotta-VY LT    | 39         | 15           | 37         | 14           | 34         | 14           |

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|      |                     |      |      |      |      |      |      |
|------|---------------------|------|------|------|------|------|------|
| 780  | Topaz-UL VY DK      | 14   | 5    | 13   | 5    | 12   | 5    |
| 781  | Topaz-VY DK         | 2    | 1    | 2    | 1    | 2    | 1    |
| 782  | Topaz-DK            | 14   | 5    | 13   | 5    | 12   | 5    |
| 801  | Coffee Brown-DK     | 48   | 19   | 45   | 17   | 42   | 16   |
| 819  | Baby Pink-LT        | 3455 | 1360 | 3225 | 1270 | 3023 | 1190 |
| 822  | Beige Gray-LT       | 641  | 252  | 598  | 235  | 561  | 221  |
| 833  | Golden Olive-LT     | 233  | 91   | 217  | 85   | 204  | 80   |
| 921  | Copper              | 2    | 1    | 2    | 1    | 2    | 1    |
| 922  | Copper-LT           | 33   | 13   | 31   | 12   | 29   | 11   |
| 927  | Gray Green-LT       | 55   | 21   | 51   | 20   | 48   | 19   |
| 934  | Black Avocado Green | 93   | 37   | 87   | 34   | 82   | 32   |
| 945  | Tawny               | 48   | 19   | 44   | 17   | 42   | 16   |
| 948  | Peach-VY LT         | 154  | 60   | 144  | 56   | 135  | 53   |
| 950  | Desert Sand-LT      | 149  | 58   | 139  | 54   | 130  | 51   |
| 955  | Nile Green-LT       | 3    | 1    | 2    | 1    | 2    | 1    |
| 964  | Sea Green-LT        | 5    | 2    | 5    | 2    | 5    | 2    |
| 992  | Aquamarine-MD       | 1    | 1    | 1    | 1    | 1    | 1    |
| 3011 | Khaki Green-DK      | 150  | 59   | 140  | 55   | 132  | 52   |
| 3032 | Mocha Brown-MD      | 155  | 60   | 145  | 56   | 136  | 53   |
| 3045 | Yellow Beige-DK     | 355  | 140  | 331  | 130  | 311  | 122  |
| 3053 | Green Gray          | 101  | 39   | 94   | 37   | 88   | 34   |
| 3078 | Golden Yellow-VY LT | 149  | 59   | 139  | 55   | 131  | 51   |
| 3347 | Yellow Green-MD     | 141  | 55   | 131  | 52   | 123  | 48   |
| 3362 | Pine Green-DK       | 48   | 19   | 45   | 17   | 42   | 16   |
| 3722 | Shell Pink-MD       | 31   | 12   | 29   | 11   | 27   | 10   |
| 3726 | Antique Mauve-DK    | 31   | 12   | 29   | 11   | 27   | 10   |
| 3756 | Baby Blue-UL VY LT  | 995  | 392  | 928  | 365  | 870  | 343  |
| 3766 | Peacock Blue-LT     | 5    | 1    | 4    | 1    | 4    | 1    |
| 3768 | Gray Green-DK       | 29   | 11   | 27   | 10   | 25   | 10   |
| 3770 | Tawny-VY LT         | 442  | 174  | 413  | 162  | 387  | 152  |
| 3772 | Desert Sand-VY DK   | 7    | 3    | 7    | 2    | 6    | 2    |
| 3773 | Desert Sand-MD      | 46   | 18   | 43   | 17   | 41   | 16   |
| 3778 | Terra Cotta-LT      | 84   | 33   | 78   | 31   | 73   | 29   |
| 3808 | Turquoise-UL VY DK  | 4    | 1    | 4    | 1    | 3    | 1    |
| 3810 | Turquoise-DK        | 4    | 1    | 4    | 1    | 3    | 1    |
| 3811 | Turquoise-VY LT     | 26   | 10   | 25   | 10   | 23   | 9    |
| 3820 | Straw-DK            | 25   | 10   | 23   | 9    | 22   | 8    |
| 3824 | Apricot-LT          | 13   | 5    | 12   | 4    | 11   | 4    |
| 3855 | Autumn Gold-LT      | 135  | 53   | 126  | 49   | 118  | 46   |
| 3864 | Mocha Beige-LT      | 380  | 149  | 355  | 139  | 332  | 131  |
| 3865 | Winter White        | 1778 | 699  | 1660 | 653  | 1556 | 612  |
| ecru | Ecru                | 714  | 281  | 666  | 262  | 624  | 246  |

(8)

(9)

(9) (10)



[illegible]

(12)

$$(13) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (14)$$

[illegible]

$$(15) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$

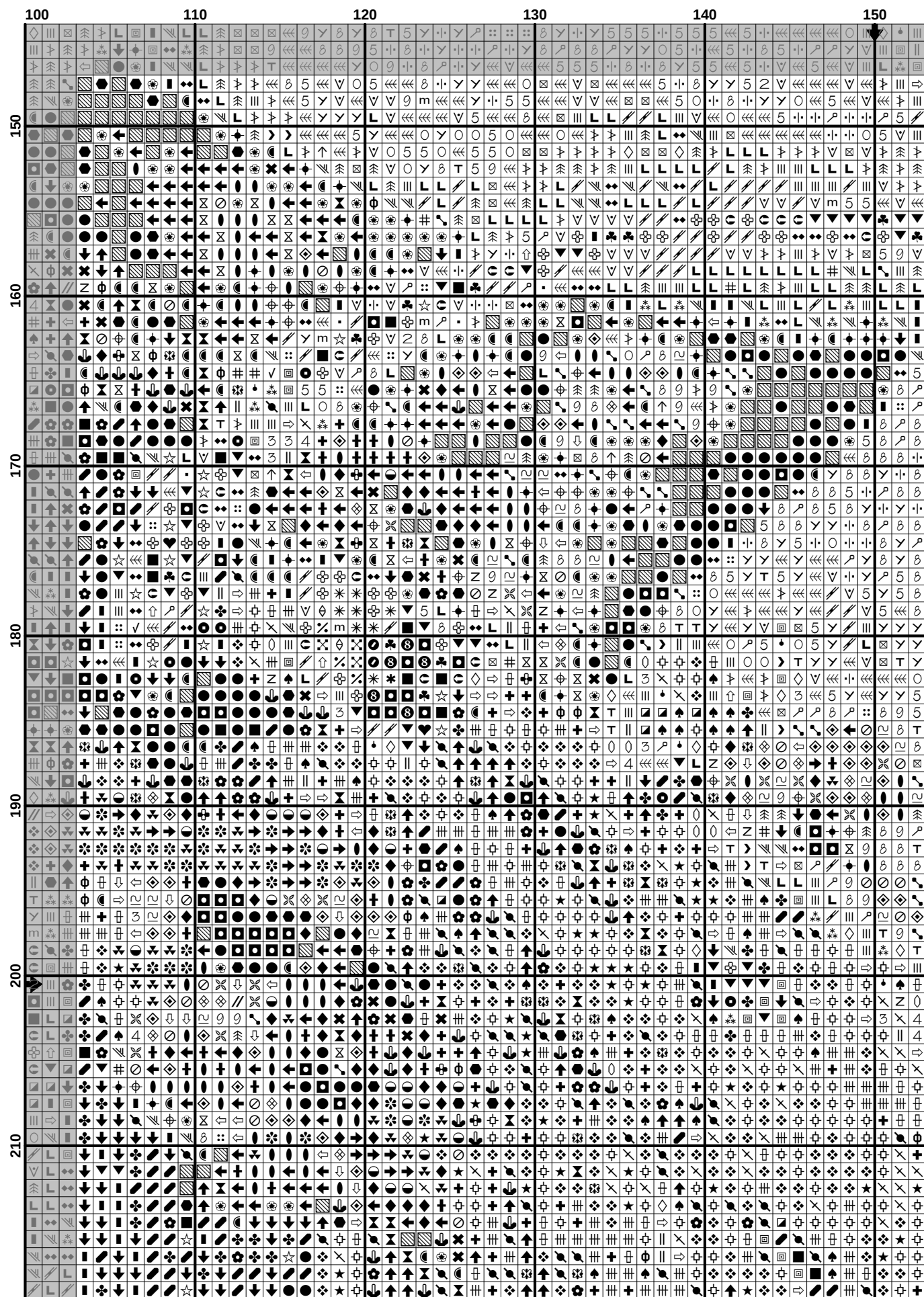
|     | 150 | 160 | 170 | 180 | 190 | 200 |
|-----|-----|-----|-----|-----|-----|-----|
| 80  | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |
| 90  | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |
| 100 | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |
| 110 | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |
| 120 | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |
| 130 | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |
| 140 | ↑   | ↑   | ↑   | ↑   | ↑   | ↑   |

$$(17) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (18)$$

(18)

$$(19) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

|     | 50  | 60  | 70  | 80  | 90  | 100 |
|-----|-----|-----|-----|-----|-----|-----|
| 150 | ... | ... | ... | ... | ... | ... |
| 160 | ... | ... | ... | ... | ... | ... |
| 170 | ... | ... | ... | ... | ... | ... |
| 180 | ... | ... | ... | ... | ... | ... |
| 190 | ... | ... | ... | ... | ... | ... |
| 200 | ... | ... | ... | ... | ... | ... |
| 210 | ... | ... | ... | ... | ... | ... |



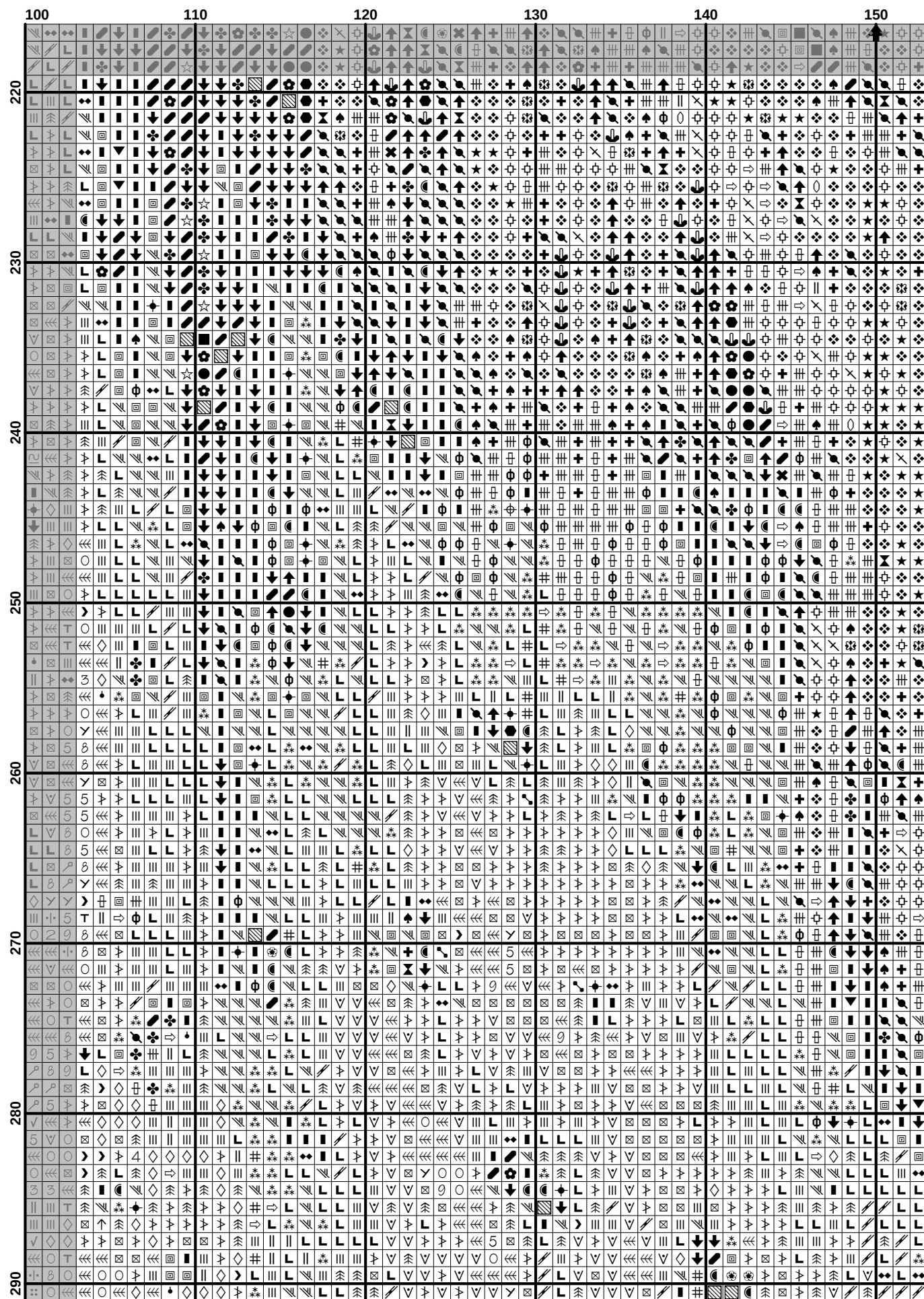
|      | 150 | 160 | 170 | 180 | 190 | 200 |
|------|-----|-----|-----|-----|-----|-----|
| 150  | ♠   | ♠   | ♠   | ♠   | ♠   | ♠   |
| 160  | ♠   | ♠   | ♠   | ♠   | ♠   | ♠   |
| 170  | ♠   | ♠   | ♠   | ♠   | ♠   | ♠   |
| 180  | ♠   | ♠   | ♠   | ♠   | ♠   | ♠   |
| 190  | ♠   | ♠   | ♠   | ♠  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

[illegible]

(24)

|     | 10 | 20 | 30 | 40 | 50 |
|-----|----|----|----|----|----|
| 220 |    |    |    |    |    |
| 230 |    |    |    |    |    |
| 240 |    |    |    |    |    |
| 250 |    |    |    |    |    |
| 260 |    |    |    |    |    |
| 270 |    |    |    |    |    |
| 280 |    |    |    |    |    |
| 290 |    |    |    |    |    |

|     | 50 | 60 | 70 | 80 | 90 | 100 |
|-----|----|----|----|----|----|-----|
| 220 |    |    |    |    |    |     |
| 230 |    |    |    |    |    |     |
| 240 |    |    |    |    |    |     |
| 250 |    |    |    |    |    |     |
| 260 |    |    |    |    |    |     |
| 270 |    |    |    |    |    |     |
| 280 |    |    |    |    |    |     |
| 290 |    |    |    |    |    |     |



$$(28) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (29)$$

|     | 200 | 210 | 220 | 230 | 240 | 250 |
|-----|-----|-----|-----|-----|-----|-----|
| 220 | ... | ... | ... | ... | ... | ... |
| 230 | ... | ... | ... | ... | ... | ... |
| 240 | ... | ... | ... | ... | ... | ... |
| 250 | ... | ... | ... | ... | ... | ... |
| 260 | ... | ... | ... | ... | ... | ... |
| 270 | ... | ... | ... | ... | ... | ... |
| 280 | ... | ... | ... | ... | ... | ... |
| 290 | ... | ... | ... | ... | ... | ... |

[illegible]

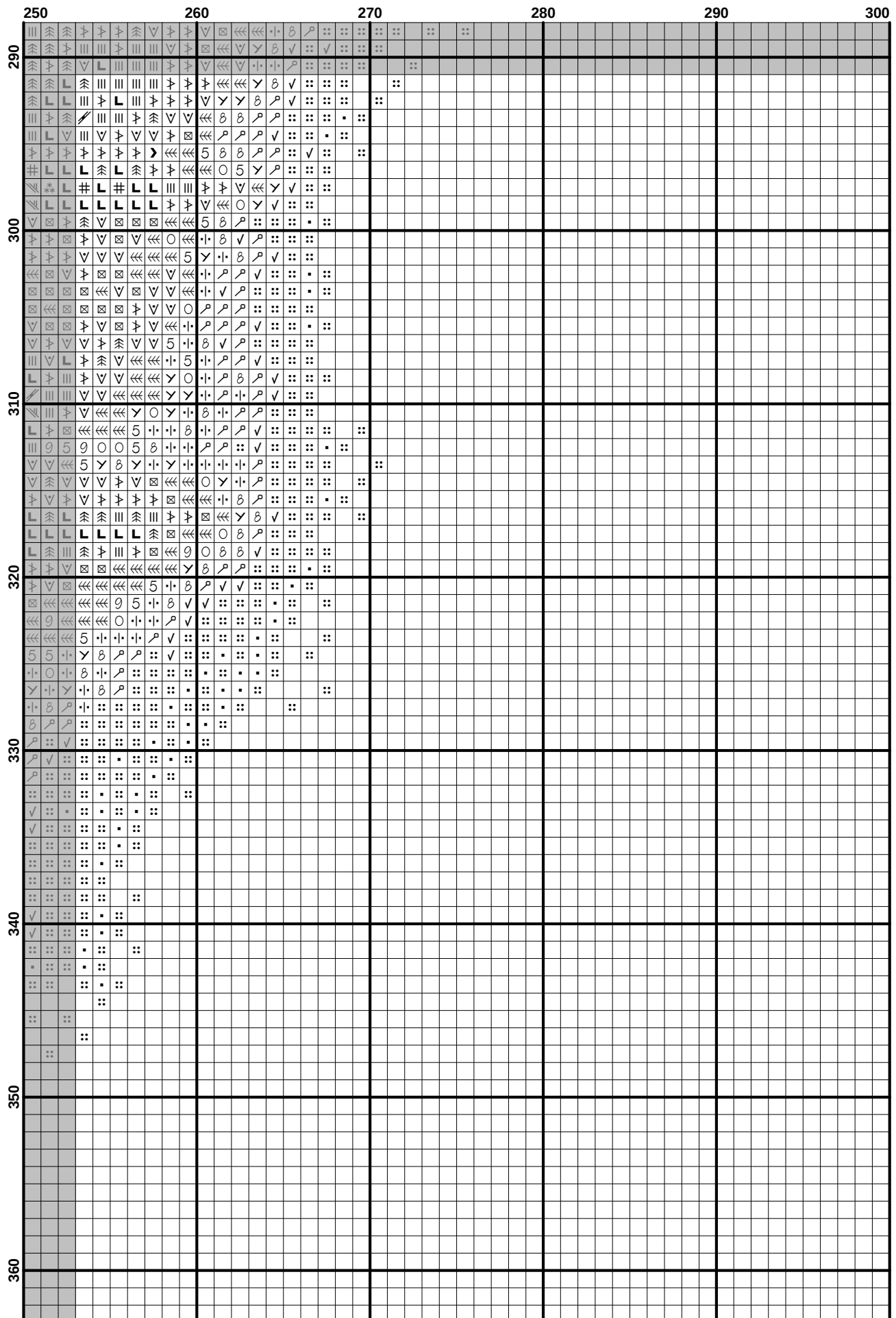
$$(31) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (32)$$

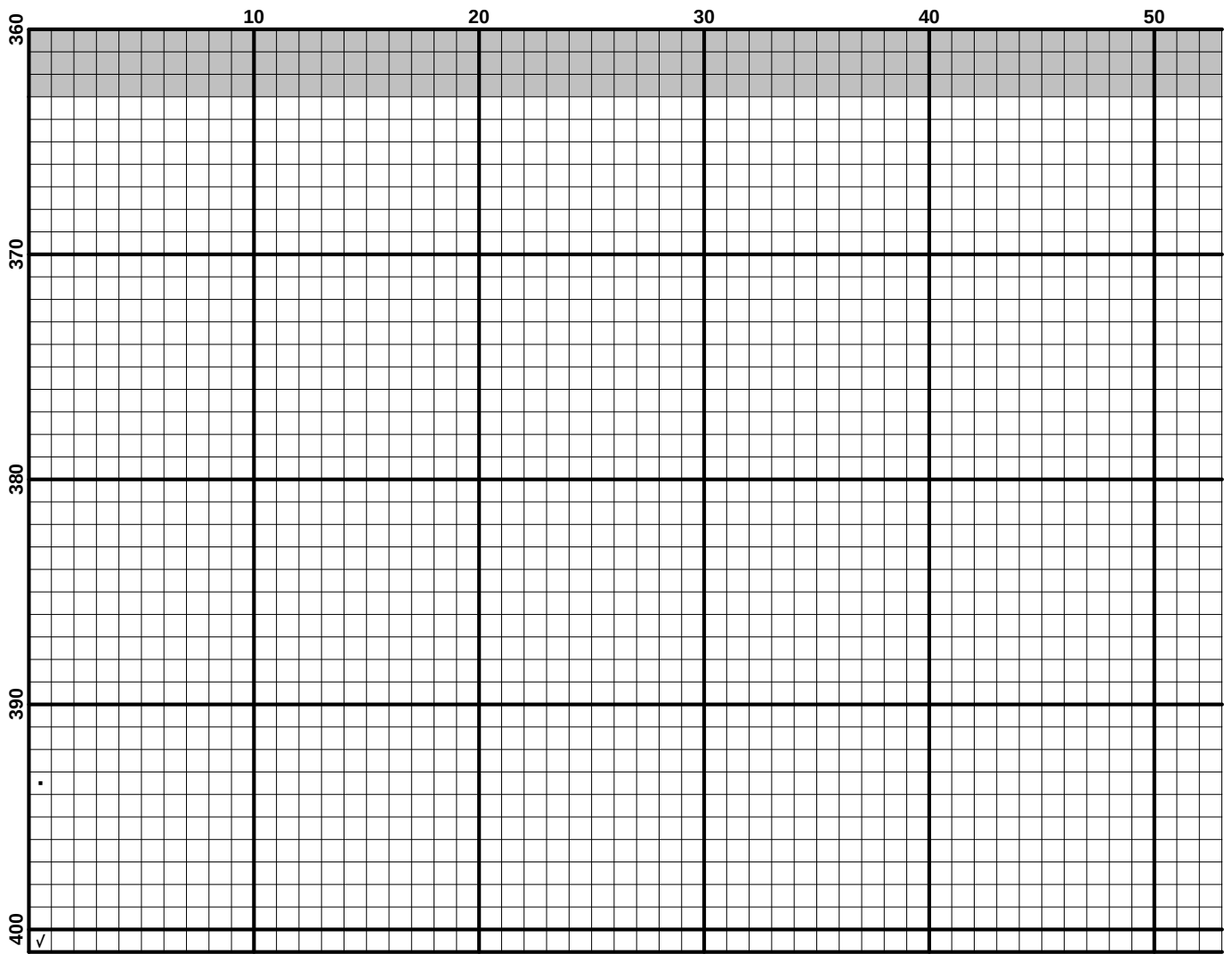
|     | 50  | 60  | 70  | 80  | 90  | 100 |
|-----|-----|-----|-----|-----|-----|-----|
| 290 | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... |
| 310 | ... | ... | ... | ... | ... | ... |
| 320 | ... | ... | ... | ... | ... | ... |
| 330 | ... | ... | ... | ... | ... | ... |
| 340 | ... | ... | ... | ... | ... | ... |
| 350 | ... | ... | ... | ... | ... | ... |
| 360 | ... | ... | ... | ... | ... | ... |

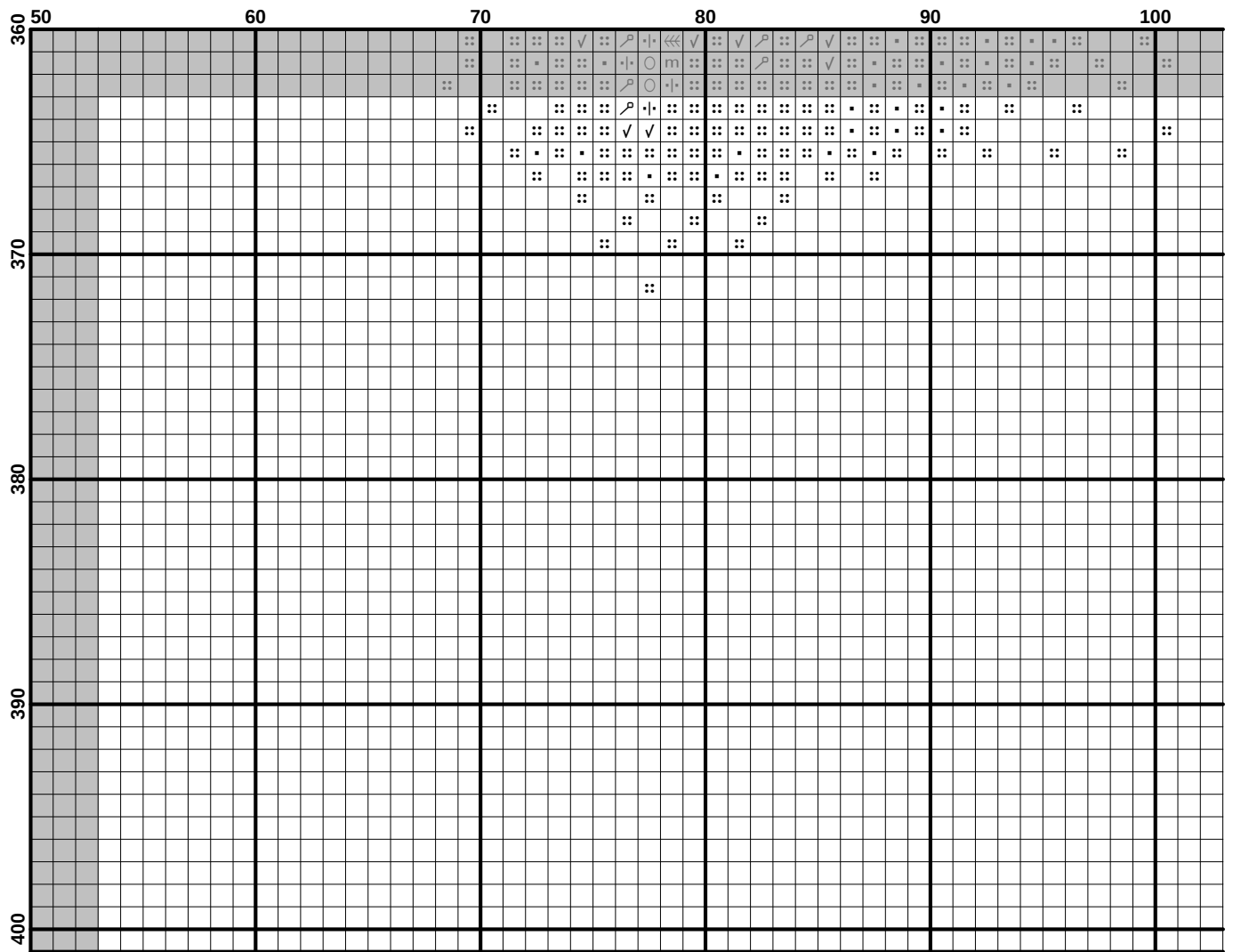
|     | 100 | 110 | 120 | 130 | 140 | 150 |
|-----|-----|-----|-----|-----|-----|-----|
| 290 | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... |
| 310 | ... | ... | ... | ... | ... | ... |
| 320 | ... | ... | ... | ... | ... | ... |
| 330 | ... | ... | ... | ... | ... | ... |
| 340 | ... | ... | ... | ... | ... | ... |
| 350 | ... | ... | ... | ... | ... | ... |
| 360 | ... | ... | ... | ... | ... | ... |

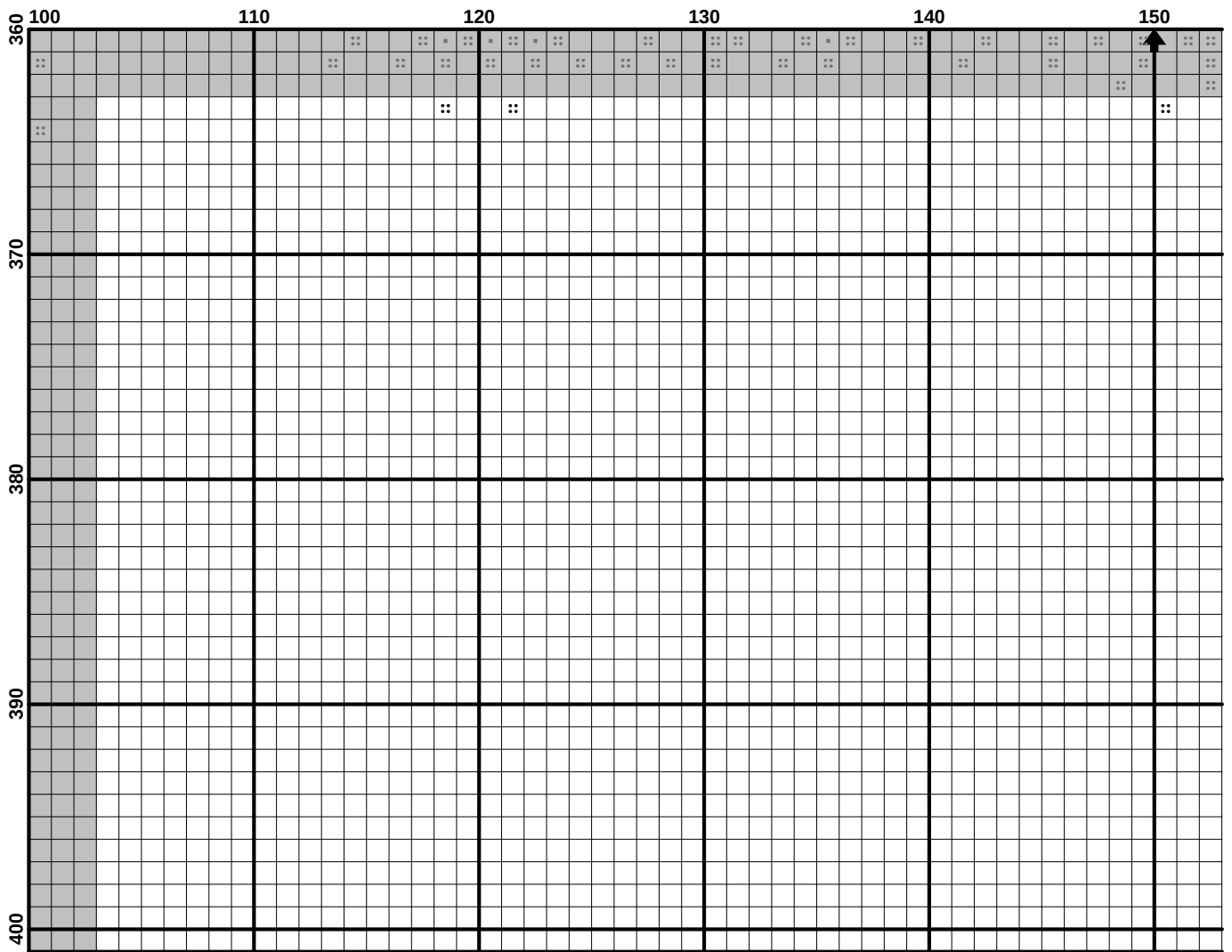
|     | 150 | 160 | 170 | 180 | 190 | 200 |
|-----|-----|-----|-----|-----|-----|-----|
| 290 | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... |
| 310 | ... | ... | ... | ... | ... | ... |
| 320 | ... | ... | ... | ... | ... | ... |
| 330 | ... | ... | ... | ... | ... | ... |
| 340 | ... | ... | ... | ... | ... | ... |
| 350 | ... | ... | ... | ... | ... | ... |
| 360 | ... | ... | ... | ... | ... | ... |

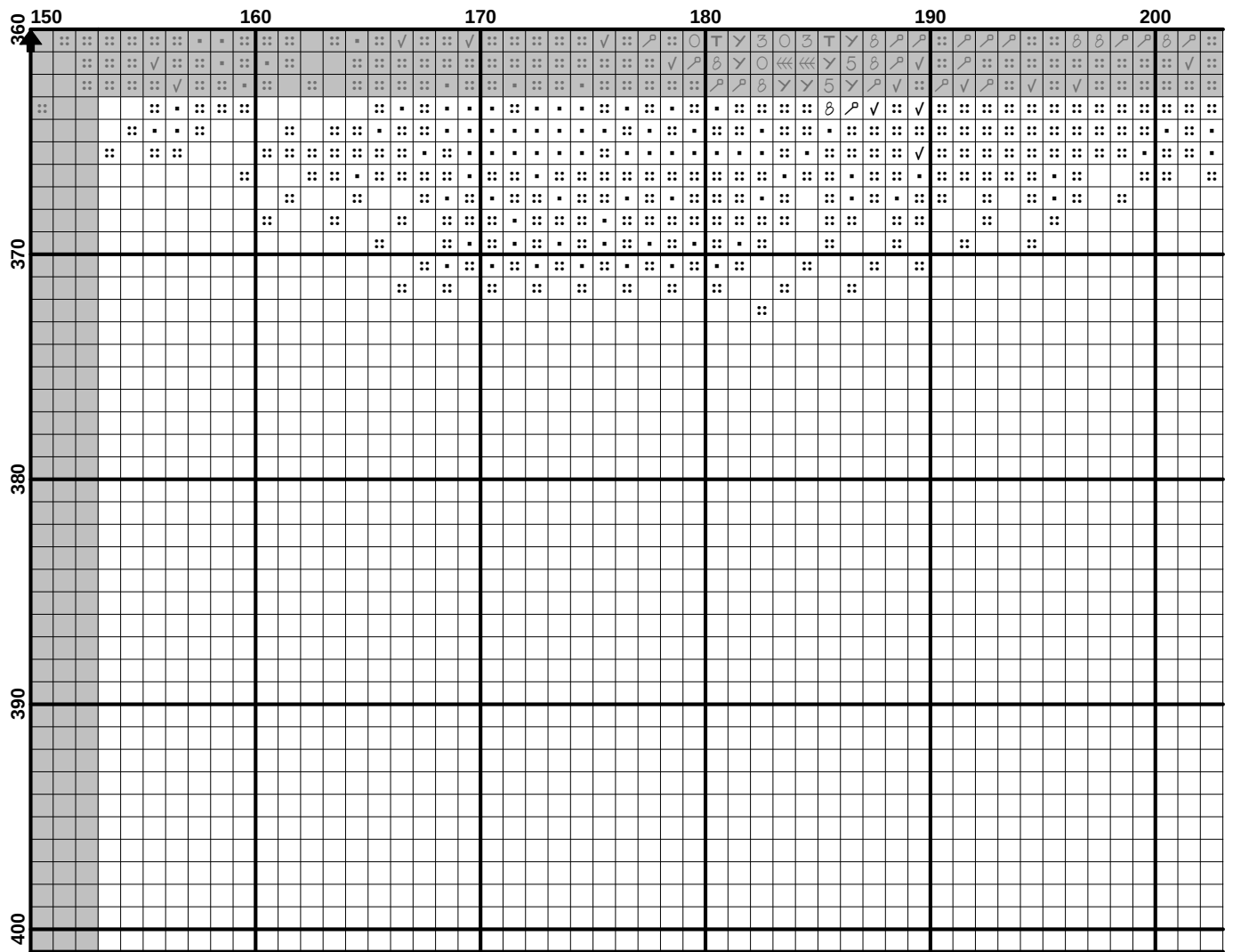
|     | 200 | 210 | 220 | 230 | 240 | 250 |
|-----|-----|-----|-----|-----|-----|-----|
| 290 |     |     |     |     |     |     |
| 300 |     |     |     |     |     |     |
| 310 |     |     |     |     |     |     |
| 320 |     |     |     |     |     |     |
| 330 |     |     |     |     |     |     |
| 340 |     |     |     |     |     |     |
| 350 |     |     |     |     |     |     |
| 360 |     |     |     |     |     |     |











[illegible]

