

# Heaven and Earth Designs

## Atlantis

Chart No: HAELR 2015

By Michele Sayetta

Artwork by Linda Ravenscroft



Finished Design Size 392 W by 324 H (15-5/8 W X 12-7/8 H inches on 25ct)

Heaven and Earth Designs

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320-214-7998

[www.heavenandearthdesigns.com](http://www.heavenandearthdesigns.com)

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## Instructions

The model for Atlantis is stitched over 1 on 25 count Dublin Linen. Please use 1 strand of floss or 2 depending on your coverage preference.

It is recommended that you make working copies and enlarge to view detail and symbols.

You may also use the tent stitch or full crosses depending on your preference.

This is a large project that will offer many hours of stitching pleasure.

We thank you for purchasing this design and welcome any questions or comments that you may have.

































Heaven and Earth Designs











































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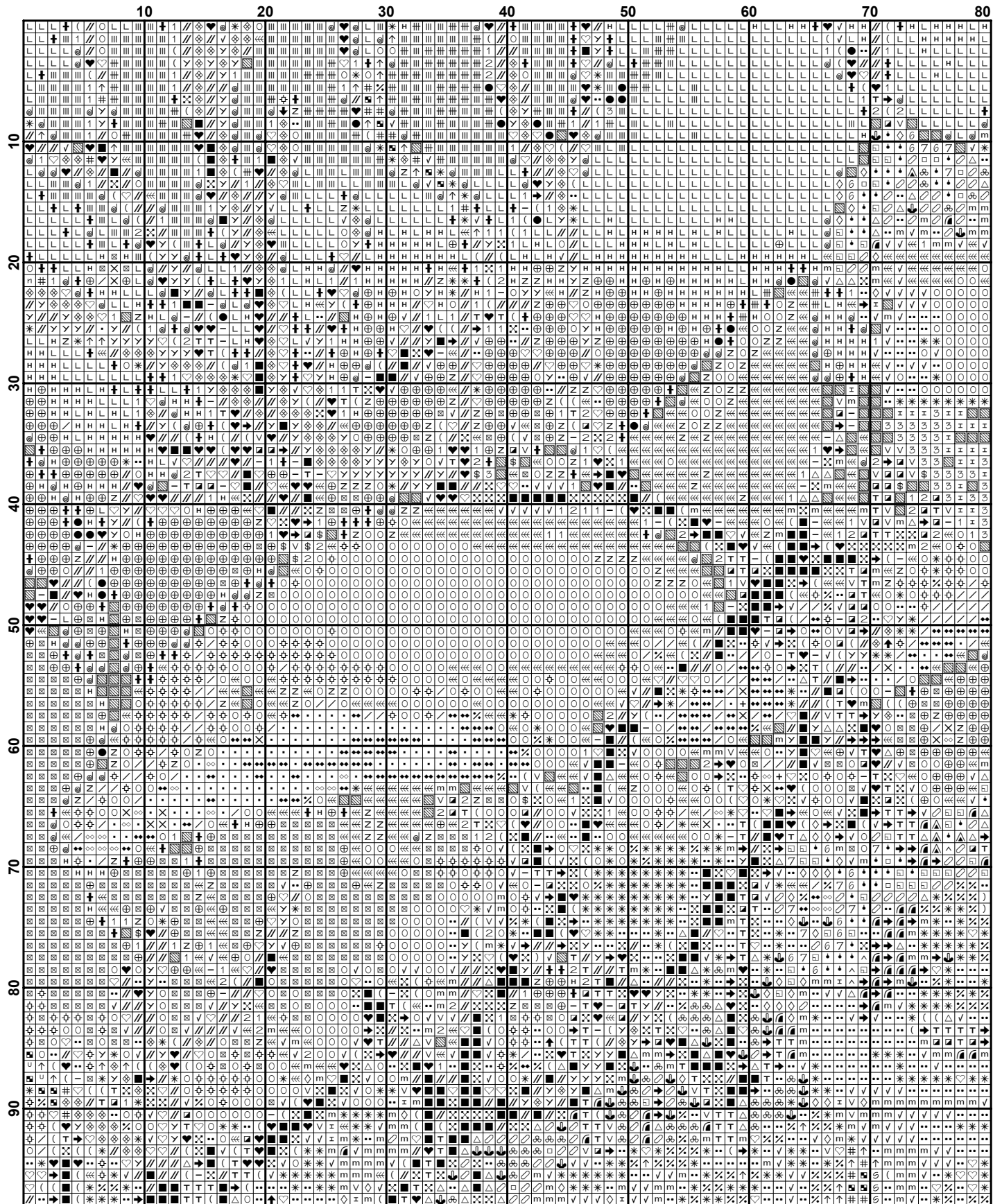
**Pattern Name:** Atlantis-Ravenscroft  
**Designed By:** Michele Sayetta  
**Company:** Heaven and Earth Designs  
**Copyright:** 2006  
**Fabric:** Linen or Evenweave 25, White  
 392w X 324h Stitches  
**Size:** 25 Count, 15-5/8w X 12-7/8h in

### Floss Used for Full Stitches:

| Symbol   | Strands | Type | Number | Color                    |
|--|---------|------|--------|--------------------------|
|    | 2       | DMC  | 152    | Shell Pink-MD LT         |
|    | 2       | DMC  | 158    | Cornflower Blue-MD VY DK |
|    | 2       | DMC  | 159    | Gray Blue-LT             |
|    | 2       | DMC  | 160    | Gray Blue-MD             |
|    | 2       | DMC  | 161    | Gray Blue                |
|    | 2       | DMC  | 224    | Shell Pink-VY LT         |
|    | 2       | DMC  | 300    | Mahogany-VY DK           |
|    | 2       | DMC  | 309    | Rose-DK                  |
|   | 2       | DMC  | 310    | Black                    |
|  | 2       | DMC  | 315    | Antique Mauve-VY DK      |
|  | 2       | DMC  | 318    | Steel Gray-LT            |
|  | 2       | DMC  | 327    | Violet-VY DK             |
|  | 2       | DMC  | 333    | Blue Violet-VY DK        |
|  | 2       | DMC  | 336    | Navy Blue                |
|  | 2       | DMC  | 349    | Coral-DK                 |
|  | 2       | DMC  | 355    | Terra Cotta-DK           |
|  | 2       | DMC  | 372    | Mustard-LT               |
|  | 2       | DMC  | 413    | Pewter Gray-DK           |
|  | 2       | DMC  | 414    | Steel Gray-DK            |
|  | 2       | DMC  | 415    | Pearl Gray               |
|  | 2       | DMC  | 435    | Brown-VY LT              |
|  | 2       | DMC  | 436    | Tan                      |
|  | 2       | DMC  | 451    | Shell Gray-DK            |
|  | 2       | DMC  | 452    | Shell Gray-MD            |
|  | 2       | DMC  | 469    | Avocado Green            |
|  | 2       | DMC  | 471    | Avocado Green-VY LT      |
|  | 2       | DMC  | 498    | Christmas Red-DK         |
|  | 2       | DMC  | 524    | Fern Green-VY LT         |
|  | 2       | DMC  | 550    | Violet-VY DK             |
|  | 2       | DMC  | 610    | Drab Brown-DK            |
|  | 2       | DMC  | 612    | Drab Brown-LT            |
|  | 2       | DMC  | 640    | Beige Gray-VY DK         |

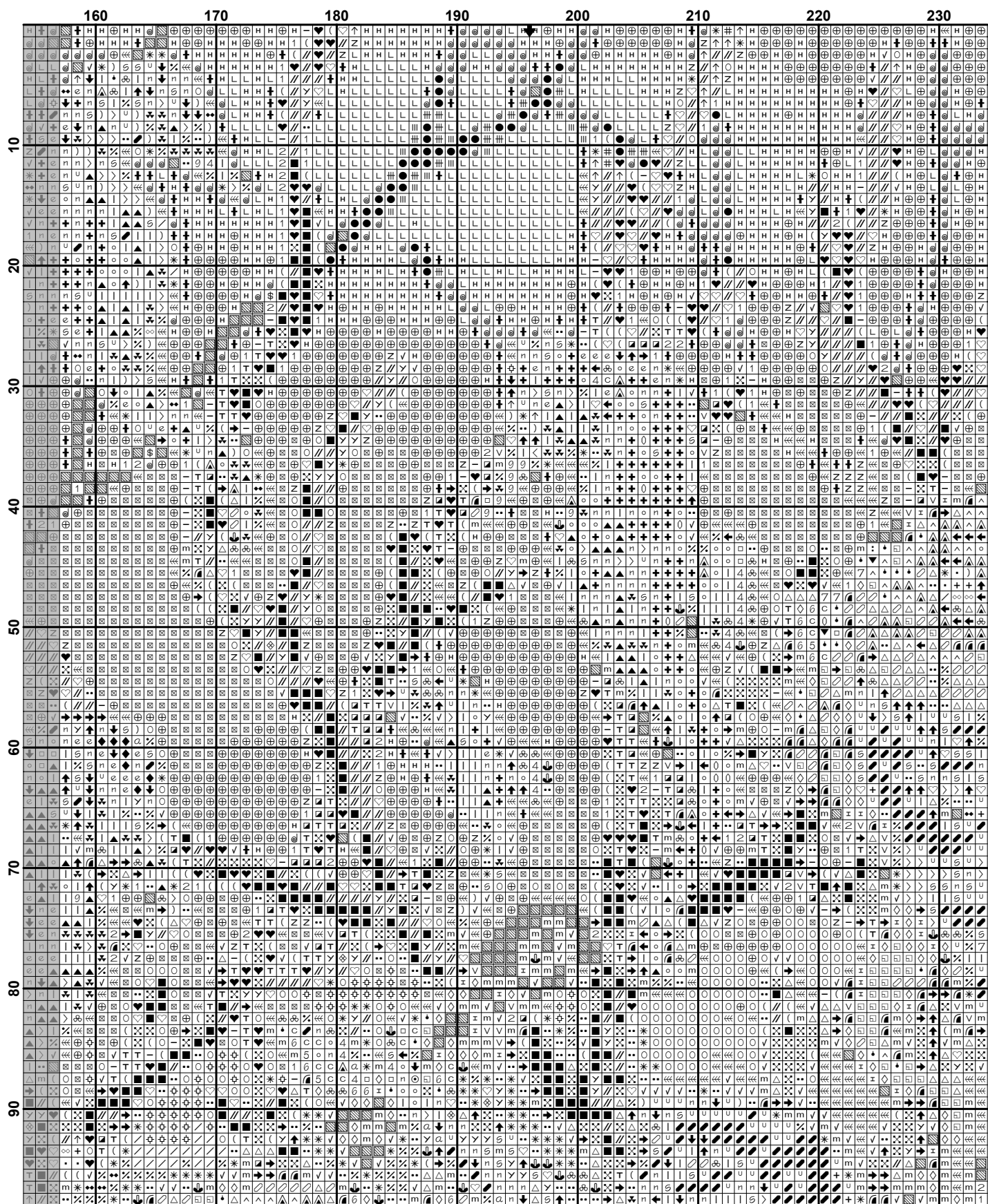
| Symbol   | Strands | Type | Number   | Color                |
|--|---------|------|----------|----------------------|
|    | ↑       | 2    | DMC 647  | Beaver Gray-MD       |
|    | ↓       | 2    | DMC 677  | Old Gold-VYLT        |
|    | ◆       | 2    | DMC 727  | Topaz-VYLT           |
|    | n       | 2    | DMC 738  | Tan-VYLT             |
|    | ⊙       | 2    | DMC 772  | Yellow Green-VYLT    |
|    | m       | 2    | DMC 779  | Cocoa-DK             |
|    | @       | 2    | DMC 791  | Cornflower Blue-VYDK |
|    | H       | 2    | DMC 792  | Cornflower Blue-DK   |
|    | III     | 2    | DMC 796  | Royal Blue-DK        |
|    | L       | 2    | DMC 797  | Royal Blue           |
|    | ☞       | 2    | DMC 801  | Coffee Brown-DK      |
|    | 7       | 2    | DMC 816  | Garnet               |
|    | ≡       | 2    | DMC 820  | Royal Blue-VYDK      |
|    | u       | 2    | DMC 842  | Beige Brown-VYLT     |
|    | —       | 2    | DMC 844  | Beaver Brown-ULDK    |
|    | ◇       | 2    | DMC 902  | Garnet-VYDK          |
|    | c       | 2    | DMC 921  | Copper               |
|    | \$      | 2    | DMC 934  | Black Avocado Green  |
|   | ☑       | 2    | DMC 936  | Avocado Green-VYDK   |
|  | ⊥       | 2    | DMC 938  | Coffee Brown-ULDK    |
|  | 8       | 2    | DMC 961  | Dusty Rose-DK        |
|  | ⊗       | 2    | DMC 3012 | Khaki Green-MD       |
|  | ⊠       | 2    | DMC 3023 | Brown Gray-LT        |
|  | v       | 2    | DMC 3031 | Mocha Brown-VYDK     |
|  | ◆◆      | 2    | DMC 3042 | Antique Violet-LT    |
|  | +       | 2    | DMC 3072 | Beaver Gray-VYLT     |
|  | a       | 2    | DMC 3078 | Golden Yellow-VYLT   |
|  | 4       | 2    | DMC 3328 | Salmon-DK            |
|  | ⊗       | 2    | DMC 3348 | Yellow Green-LT      |
|  | =       | 2    | DMC 3350 | Dusty Rose-ULDK      |
|  | <       | 2    | DMC 3354 | Dusty Rose-LT        |
|  | ♥       | 2    | DMC 3363 | Pine Green-MD        |
|  | //      | 2    | DMC 3364 | Pine Green           |
|  | ⌘       | 2    | DMC 3722 | Shell Pink-MD        |
|  | √       | 2    | DMC 3740 | Antique Violet-DK    |
|  | ∞       | 2    | DMC 3743 | Antique Violet-VYLT  |
|  | ⊠       | 2    | DMC 3746 | Blue Violet-DK       |
|  | ▲       | 2    | DMC 3771 | Terra Cotta-ULVYLT   |
|  | I       | 2    | DMC 3773 | Desert Sand-MD       |
|  | ☛       | 2    | DMC 3774 | Desert Sand-VYLT     |
|  | (       | 2    | DMC 3787 | Brown Gray-DK        |
|  | 2       | 2    | DMC 3799 | Pewter Gray-VYDK     |

| Symbol   | Strands | Type | Number   | Color            |
|--|---------|------|----------|------------------|
|  | ❖       | 2    | DMC 3817 | Celadon Green-LT |
|  | 0       | 2    | DMC 3820 | Straw-DK         |
|  | +       | 2    | DMC 3822 | Straw-LT         |
|  | ←       | 2    | DMC 3828 | Hazelnut Brown   |
|  | ^       | 2    | DMC 3829 | Old Gold-VYDK    |
|  | □       | 2    | DMC 3830 | Terra Cotta-MD   |
|  | :       | 2    | DMC 3831 | Raspberry-DK     |
|  | 9       | 2    | DMC 3833 | Raspberry-LT     |
|  | ⌂       | 2    | DMC 3838 | Lavender Blue-DK |
|  | ▼       | 2    | DMC 3853 | Autumn Gold-DK   |
|  | e       | 2    | DMC 3855 | Autumn Gold-LT   |
|  | ∅       | 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   |



|    | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | ... | ... | ... | ... | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... | ... | ... | ... | ... |
| 60 | ... | ... | ... | ... | ... | ... | ... | ... |
| 70 | ... | ... | ... | ... | ... | ... | ... | ... |
| 80 | ... | ... | ... | ... | ... | ... | ... | ... |
| 90 | ... | ... | ... | ... | ... | ... | ... | ... |

|    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|    |    |    |    |    |    |    |    |    |    | 390 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21  | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22  | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24  | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25  | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26  | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27  | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28  | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29  | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31  | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32  | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33  | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34  | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35  | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36  | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37  | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38  | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39  | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41  | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42  | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43  | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44  | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45  | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

|     | 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 | ... | ... | ... | ... | ... | ... | ... | ... |

|     | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 |     |     |     |     |     |     |     |     |
| 110 |     |     |     |     |     |     |     |     |
| 120 |     |     |     |     |     |     |     |     |
| 130 |     |     |     |     |     |     |     |     |
| 140 |     |     |     |     |     |     |     |     |
| 150 |     |     |     |     |     |     |     |     |
| 160 |     |     |     |     |     |     |     |     |
| 170 |     |     |     |     |     |     |     |     |
| 180 |     |     |     |     |     |     |     |     |
| 190 |     |     |     |     |     |     |     |     |

|     | 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 | ... | ... | ... | ... | ... | ... | ... | ... |

[illegible]

|     | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
|-----|----|----|----|----|----|----|----|----|
| 190 |    |    |    |    |    |    |    |    |
| 200 |    |    |    |    |    |    |    |    |
| 210 |    |    |    |    |    |    |    |    |
| 220 |    |    |    |    |    |    |    |    |
| 230 |    |    |    |    |    |    |    |    |
| 240 |    |    |    |    |    |    |    |    |
| 250 |    |    |    |    |    |    |    |    |
| 260 |    |    |    |    |    |    |    |    |
| 270 |    |    |    |    |    |    |    |    |
| 280 |    |    |    |    |    |    |    |    |

|     | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
|-----|----|----|-----|-----|-----|-----|-----|-----|
| 190 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 200 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 210 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 220 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 230 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 240 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 250 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 260 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 270 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |
| 280 | ++ | ++ | ++  | ++  | ++  | ++  | ++  | ++  |

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

|     | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 190 | ... | ... | ... | ... | ... | ... | ... | ... |
| 200 | ... | ... | ... | ... | ... | ... | ... | ... |
| 210 | ... | ... | ... | ... | ... | ... | ... | ... |
| 220 | ... | ... | ... | ... | ... | ... | ... | ... |
| 230 | ... | ... | ... | ... | ... | ... | ... | ... |
| 240 | ... | ... | ... | ... | ... | ... | ... | ... |
| 250 | ... | ... | ... | ... | ... | ... | ... | ... |
| 260 | ... | ... | ... | ... | ... | ... | ... | ... |
| 270 | ... | ... | ... | ... | ... | ... | ... | ... |
| 280 | ... | ... | ... | ... | ... | ... | ... | ... |

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



[illegible]

|     | 10 |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  | 30 |  |  |  |  |  |  |  |  |  | 40 |  |  |  |  |  |  |  |  |  | 50 |  |  |  |  |  |  |  |  |  | 60 |  |  |  |  |  |  |  |  |  | 70 |  |  |  |  |  |  |  |  |  | 80 |  |  |  |  |  |  |  |  |  |
|-----|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|
| 290 |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 300 |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 310 |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 320 |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |

[illegible]

|     | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 290 | +   | +   | +   | +   | +   | +   | +   | +   |
| 300 | +   | +   | +   | +   | +   | +   | +   | +   |
| 310 | +   | +   | +   | +   | +   | +   | +   | +   |
| 320 | +   | +   | +   | +   | +   | +   | +   | +   |

|     | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 290 | ... | ... | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... | ... | ... |
| 310 | ... | ... | ... | ... | ... | ... | ... | ... |
| 320 | ... | ... | ... | ... | ... | ... | ... | ... |

|     | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 290 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   |
| 300 | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| 310 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| 320 | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  |

[illegible]