

# Heaven and Earth Designs

## The Magic Grotto

Chart No: HAEAIS 130

Chart Design by Michele Sayetta

Artwork by Aimee Stewart



Finished Design Size 450 W by 313 H (18 W X 12-1/2 H inches on 25ct fabric)  
(This Chart Contains 88 Colors)

Heaven and Earth Designs LLC

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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  
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**Pattern Name:** The Magic Grotto-Stewart  
**Designed By:** Michele Sayetta  
**Company:** Heaven and Earth Designs LLC  
**Copyright:** 2011 ®  
**Fabric:** Linen 25, White  
 450w X 313h Stitches  
**Size:** 25 Count, 18w X 12-1/2h in

### Floss Used for Full Stitches:

Symbol	Strands	Type	Number	Color
	▲	2	DMC 032	Kreinik #4
	«	2	DMC 150	Dusty Rose-UL VYDK
	o	2	DMC 159	Gray Blue-LT
	▲	2	DMC 160	Gray Blue-MD
	▤	2	DMC 161	Gray Blue
	‡	2	DMC 169	Pewter-LT
	◼	2	DMC 225	Shell Pink-UL VYLT
	↘	2	DMC 310	Black
	¢	2	DMC 315	Antique Mauve-VYDK
	v	2	DMC 317	Pewter Gray
	△	2	DMC 318	Steel Gray-LT
	√	2	DMC 371	Mustard
	▤	2	DMC 402	Mahogany-VYLT
	♡	2	DMC 413	Pewter Gray-DK
	♣	2	DMC 414	Steel Gray-DK
	c	2	DMC 434	Brown-LT
	◆	2	DMC 436	Tan
	L	2	DMC 445	Lemon-LT
	9	2	DMC 501	Blue Green-DK
	⬇	2	DMC 520	Fern Green-DK
	♣	2	DMC 524	Fern Green-VYLT
	▤	2	DMC 610	Drab Brown-DK
	✱	2	DMC 644	Beige Gray-MD
	n	2	DMC 645	Beaver Gray-VYDK
	m	2	DMC 647	Beaver Gray-MD
	⊕	2	DMC 676	Old Gold-LT
	≡	2	DMC 677	Old Gold-VYLT
	■	2	DMC 722	Orange Spice-LT
	≡	2	DMC 726	Topaz-LT
	h	2	DMC 729	Old Gold-MD
	a	2	DMC 738	Tan-VYLT
	✱	2	DMC 744	Yellow-Pale





































Symbol	Strands	Type	Number	Color
	✕	2	DMC 754	Peach-LT
	✓	2	DMC 758	Terra Cotta-VYLT
	5	2	DMC 762	Pearl Gray-VYLT
	<	2	DMC 772	Yellow Green-VYLT
	\$	2	DMC 777	Raspberry-VYDK
	0	2	DMC 779	Cocoa-DK
	∩	2	DMC 783	Topaz-MD
	☐	2	DMC 801	Coffee Brown-DK
	♠	2	DMC 813	Blue-LT
	⊙	2	DMC 900	Burnt Orange-DK
	)	2	DMC 902	Garnet-VYDK
	✱	2	DMC 934	Black Avocado Green
	>	2	DMC 936	Avocado Green-VYDK
	e	2	DMC 938	Coffee Brown-ULDK
	≈	2	DMC 955	Nile Green-LT
	⌘	2	DMC 961	Dusty Rose-DK
	⋄	2	DMC 966	Baby Green-MD
	6	2	DMC 993	Aquamarine-LT
	☆	2	DMC 3011	Khaki Green-DK
	∩	2	DMC 3024	Brown Gray-VYLT
	□	2	DMC 3031	Mocha Brown-VYDK
	⌘	2	DMC 3042	Antique Violet-LT
	↓	2	DMC 3064	Desert Sand
	✕	2	DMC 3072	Beaver Gray-VYLT
	⌘	2	DMC 3078	Golden Yellow-VYLT
	⊙	2	DMC 3328	Salmon-DK
	⊙	2	DMC 3340	Apricot-MD
	⌘	2	DMC 3348	Yellow Green-LT
	⌘	2	DMC 3350	Dusty Rose-ULDK
	▼	2	DMC 3371	Black Brown
	*	2	DMC 3743	Antique Violet-VYLT
	⊙	2	DMC 3747	Blue Violet-VYLT
	H	2	DMC 3756	Baby Blue-ULVYLT
	1	2	DMC 3766	Peacock Blue-LT
	←	2	DMC 3772	Desert Sand-VYDK
	//	2	DMC 3776	Mahogany-LT
	⌘	2	DMC 3787	Brown Gray-DK
	✕	2	DMC 3799	Pewter Gray-VYDK
	3	2	DMC 3809	Turquoise-VYDK
	2	2	DMC 3811	Turquoise-VYLT
	8	2	DMC 3813	Blue Green-LT
	7	2	DMC 3817	Celadon Green-LT











































Symbol	Strands	Type	Number	Color
 	2	DMC	3821	Straw
 	2	DMC	3822	Straw-LT
 	2	DMC	3823	Yellow-UL Pale
 	2	DMC	3829	Old Gold-VYDK
 	2	DMC	3830	Terra Cotta-MD
 	2	DMC	3831	Raspberry-DK
 5	2	DMC	3848	Teal Green-MD
 4	2	DMC	3849	Teal Green-LT
 	2	DMC	3854	Autumn Gold-MD
 T	2	DMC	3856	Mahogany-UL VYLT
 	2	DMC	3858	Rosewood-MD
 	2	DMC	3860	Cocoa
 	2	DMC	3861	Cocoa-LT
 	2	DMC	3862	Mocha Beige-DK











## 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	032	3729	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 150	150	155	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 159	159	1169	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 160	160	514	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 161	161	607	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 169	169	1474	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 225	225	238	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 310	310	8104	0	0	0	0.0	0.0	0.0	0	0	3.000
 DMC 315	315	512	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 317	317	983	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 318	318	852	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 371	371	1155	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 402	402	1650	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 413	413	703	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 414	414	1627	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 434	434	1564	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 436	436	867	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 445	445	2560	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 501	501	353	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 520	520	168	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 524	524	2070	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 610	610	854	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 644	644	3397	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 645	645	475	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 647	647	1513	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 676	676	1393	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 677	677	1962	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 722	722	1510	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 726	726	619	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 729	729	1680	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 738	738	1007	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 744	744	2387	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 754	754	1303	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 758	758	2253	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 762	762	197	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 772	772	4321	0	0	0	0.0	0.0	0.0	0	0	2.000

Type	Number	Full	Half	Quarter	Petite	Back(in)	Str(in)	Spec(in)	French	Bead	Skein Est.
 DMC 777	777	696	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 779	779	2073	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 783	783	719	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 801	801	3177	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 813	813	114	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 900	900	200	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 902	902	4341	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 934	934	328	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 936	936	432	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 938	938	3799	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 955	955	1967	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 961	961	138	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 966	966	2367	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 993	993	1214	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3011	962	962	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3024	1395	1395	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3031	1218	1218	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3042	1992	1992	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3064	3463	3463	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3072	1391	1391	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3078	5837	5837	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 3328	533	533	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3340	812	812	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3348	2171	2171	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3350	40	40	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3371	4750	4750	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 3743	1119	1119	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3747	174	174	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3756	3920	3920	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 3766	294	294	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3772	2280	2280	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3776	1154	1154	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3787	527	527	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3799	828	828	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3809	121	121	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3811	1167	1167	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3813	981	981	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3817	2200	2200	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3821	2150	2150	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3822	1932	1932	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3823	6142	6142	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 3829	1283	1283	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	3830	1140	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3831	171	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3848	319	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3849	1405	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3854	1304	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3856	2308	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3858	1969	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3860	1063	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3861	1503	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC	3862	1342	0	0	0	0.0	0.0	0.0	0	0	1.000



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	80	90	100	110	120	130	140	150
10	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...
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50	...	...	...	...	...	...	...	...
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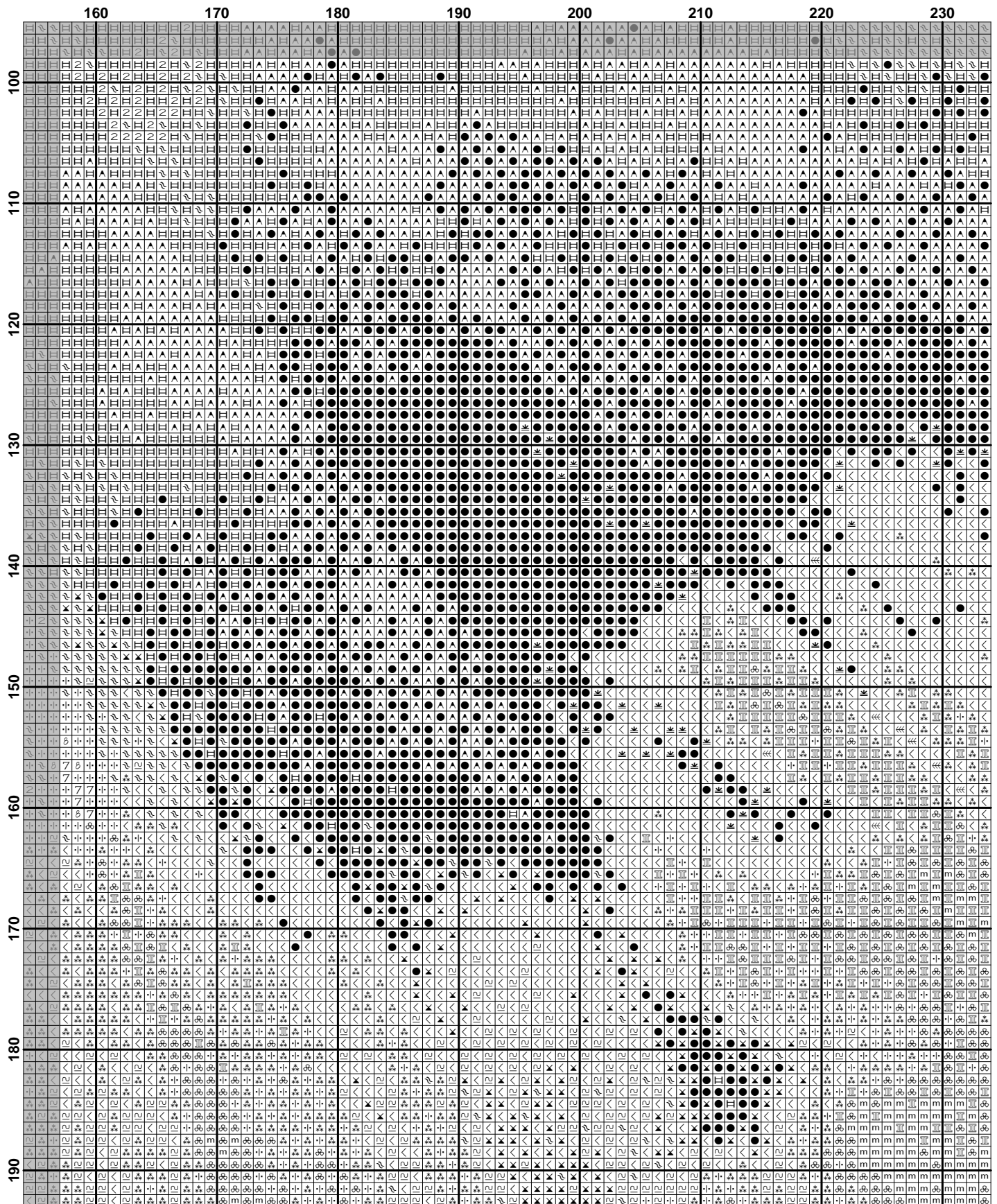
	310	320	330	340	350	360	370	380
10	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X
50	X	X	X	X	X	X	X	X
60	X	X	X	X	X	X	X	X
70	X	X	X	X	X	X	X	X
80	X	X	X	X	X	X	X	X
90	X	X	X	X	X	X	X	X
100	X	X	X	X	X	X	X	X
110	X	X	X	X	X	X	X	X
120	X	X	X	X	X	X	X	X
130	X	X	X	X	X	X	X	X
140	X	X	X	X	X	X	X	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

	390	400	410	420	430	440	450
10	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...
70	...	...	...	...	...	...	...
80	...	...	...	...	...	...	...
90	...	...	...	...	...	...	...

	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	...	...	...	...	...	...	...	...





	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								

	390	400	410	420	430	440	450
100							
110							
120							
130							
140							
150							
160							
170							
180							
190							

	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	...	...	...	...	...	...	...	...

[illegible]



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

	390	400	410	420	430	440	450
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270							
280							

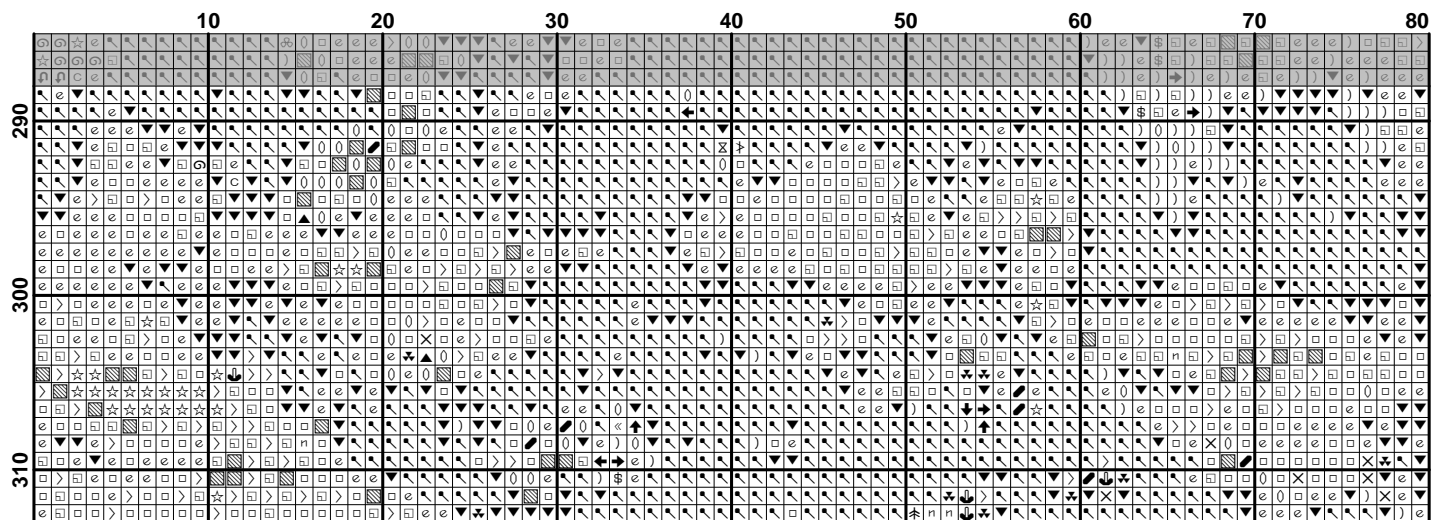


Figure 1 displays a 3x15 grid of small images, each showing a complex, fractal-like pattern. The columns are labeled 80, 90, 100, 110, 120, 130, 140, and 150. The rows are labeled 290, 300, and 310. The patterns evolve from left to right and top to bottom, showing a progression of complexity and structure.

[illegible]

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