

# Heaven and Earth Designs

## The Cauldron

Chart No: HAEMYP 123

Chart Design by Michele Sayetta

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Finished Design Size 450 W by 600 H (18 W X 24 H inches on 25ct)  
(This Chart Contains 88 colors)

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<http://www.mylespinkney.com>

### Instructions

The model for The Cauldron is recommended to be stitched over 1 on 25 count fabric but you may use any count that you are comfortable with. Please use 1 strand of floss or 2 depending on your coverage preference. Charts are recommended to be stitched from page 1 top left to the last page bottom right.

If the chart contains Kreinik 032 #4 (very fine braid) we recommend that you experiment with a couple of options. Start with 1 strand of Kreinik 032 Blending Filament with one strand of white as well as trying the Very Fine Braid to determine the look that you like most.

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

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

































































Heaven and Earth Designs LLC



























































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**Pattern Name:** The Cauldron-Pinkney  
**Designed By:** Michele Sayetta  
**Company:** Heaven and Earth Designs LLC  
**Copyright:** 2009  
**Fabric:** Linen 25, White  
 450w X 600h Stitches  
**Size:** 25 Count, 18w X 24h in

### Floss Used for Full Stitches:

Symbol	Strands	Type	Number	Color
		2	DMC 150	Dusty Rose-UL VYDK
		2	DMC 154	Grape-VY DK
		2	DMC 159	Gray Blue-LT
		2	DMC 160	Gray Blue-MD
		2	DMC 161	Gray Blue
		2	DMC 168	Pewter-VYLT
		2	DMC 169	Pewter-LT
		2	DMC 300	Mahogany-VYDK
		2	DMC 301	Mahogany-MD
		2	DMC 310	Black
		2	DMC 311	Navy Blue-MD
		2	DMC 317	Pewter Gray
		2	DMC 318	Steel Gray-LT
		2	DMC 336	Navy Blue
		2	DMC 370	Mustard-MD
		2	DMC 372	Mustard-LT
		2	DMC 400	Mahogany-DK
		2	DMC 434	Brown-LT
		2	DMC 436	Tan
		2	DMC 471	Avocado Green-VYLT
		2	DMC 501	Blue Green-DK
		2	DMC 518	Wedgewood-LT
		2	DMC 524	Fern Green-VYLT
		2	DMC 554	Violet-LT
		2	DMC 561	Jade-VYDK
		2	DMC 612	Drab Brown-LT
		2	DMC 640	Beige Gray-VYDK
		2	DMC 644	Beige Gray-MD
		2	DMC 647	Beaver Gray-MD
		2	DMC 648	Beaver Gray-LT
		2	DMC 666	Christmas Red-BRT
		2	DMC 677	Old Gold-VYLT





































Symbol	Strands	Type	Number	Color
	∞	2	DMC 700	Christmas Green-BRT
	⬇	2	DMC 703	Chartreuse
	∞	2	DMC 704	Chartreuse-BRT
	✕	2	DMC 720	Orange Spice-DK
	■	2	DMC 728	Topaz
	@	2	DMC 730	Olive Green-VYDK
	◆	2	DMC 738	Tan-VYLT
	☆	2	DMC 754	Peach-LT
	a	2	DMC 779	Cocoa-DK
	∞	2	DMC 780	Topaz-ULVYDK
	T	2	DMC 781	Topaz-VYDK
	e	2	DMC 801	Coffee Brown-DK
	∞	2	DMC 814	Garnet-DK
	⊙	2	DMC 817	Coral Red-VYDK
	-	2	DMC 820	Royal Blue-VYDK
	0	2	DMC 823	Navy Blue-DK
	✦	2	DMC 832	Golden Olive
	●	2	DMC 833	Golden Olive-LT
	⊕	2	DMC 834	Golden Olive-VYLT
	⌒	2	DMC 844	Beaver Brown-ULDK
	⋈	2	DMC 890	Pistachio Green-ULDK
	(	2	DMC 902	Garnet-VYDK
	▨	2	DMC 906	Parrot Green-MD
	↖	2	DMC 907	Parrot Green-LT
	?	2	DMC 910	Emerald Green-DK
	➔	2	DMC 918	Red Copper-DK
	⬆	2	DMC 919	Red Copper
	∞	2	DMC 920	Copper-MD
	<	2	DMC 927	Gray Green-LT
	3	2	DMC 930	Antique Blue-DK
	2	2	DMC 931	Antique Blue-MD
	⊗	2	DMC 936	Avocado Green-VYDK
	▼	2	DMC 938	Coffee Brown-ULDK
	1	2	DMC 939	Navy Blue-VYDK
	5	2	DMC 996	Electric Blue-MD
	⌘	2	DMC 3012	Khaki Green-MD
	∅	2	DMC 3031	Mocha Brown-VYDK
	)	2	DMC 3041	Antique Violet-MD
	♥	2	DMC 3078	Golden Yellow-VYLT
	∞	2	DMC 3328	Salmon-DK
	⌘	2	DMC 3363	Pine Green-MD
	H	2	DMC 3364	Pine Green











































Symbol	Strands	Type	Number	Color
 ▲	2	DMC	3371	Black Brown
 𐌰	2	DMC	3731	Dusty Rose-VYDK
 *	2	DMC	3740	Antique Violet-DK
 4	2	DMC	3750	Antique Blue-VYDK
 7	2	DMC	3765	Peacock Blue-VYDK
 n	2	DMC	3787	Brown Gray-DK
 𐌱	2	DMC	3799	Pewter Gray-VYDK
 #	2	DMC	3801	Christmas Red-LT
 >	2	DMC	3818	Emerald Green-UL VYDK
 //	2	DMC	3852	Straw-VYDK
 0	2	DMC	3861	Cocoa-LT
 𐌲	2	DMC	3862	Mocha Beige-DK
 □	2	DMC	3864	Mocha Beige-LT
 m	2	DMC	3866	Mocha Brown-UL VYLT











## Usage Summary

Strands Per Skein: 6

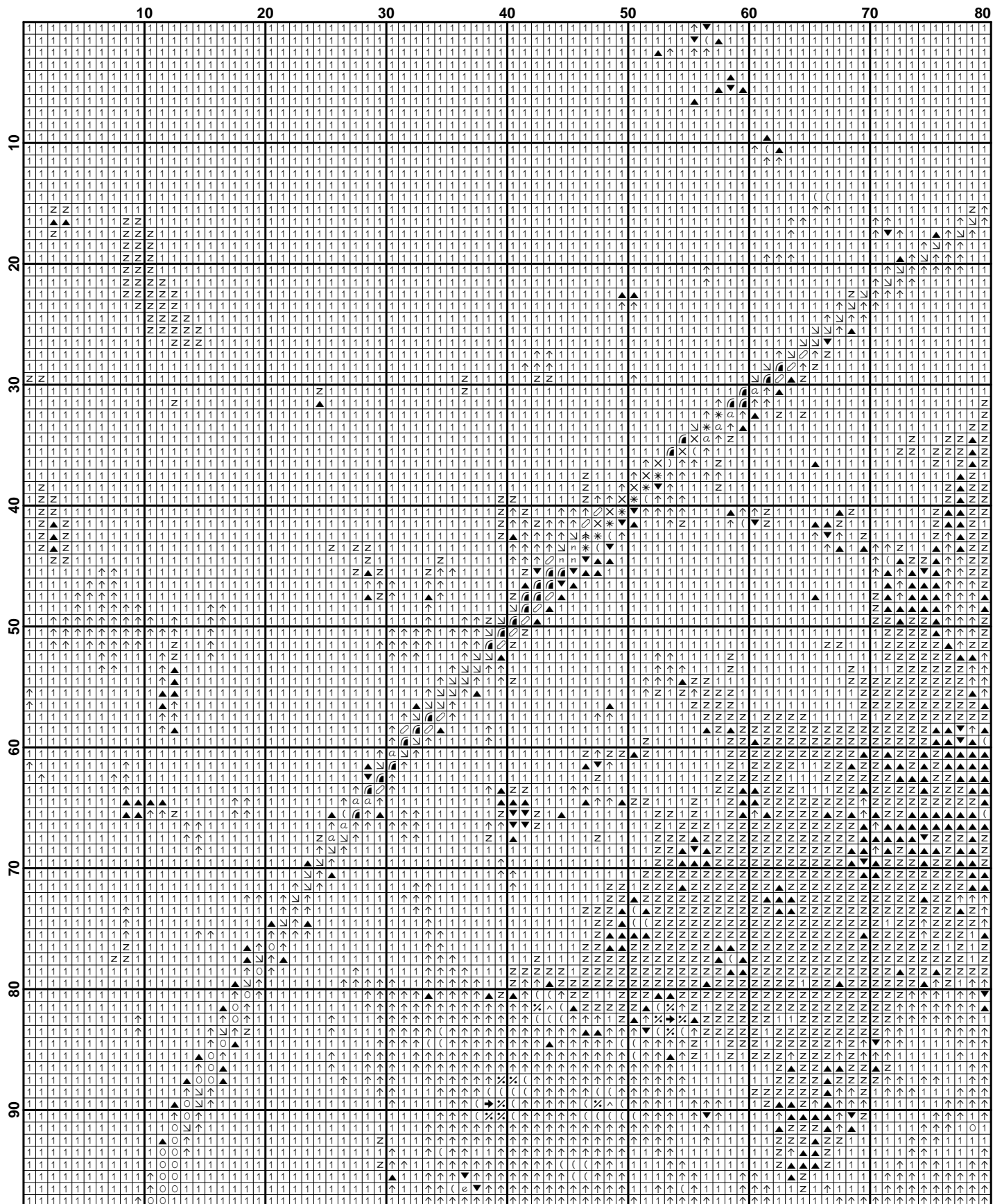
Skein Length: 313.0 in

Type	Number	Full	Half	Quarter	Petite	Back(in)	Str(in)	Spec(in)	French	Bead	Skein Est.
 DMC 150	150	299	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 154	154	8878	0	0	0	0.0	0.0	0.0	0	0	3.000
 DMC 159	159	282	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 160	160	1136	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 161	161	1099	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 168	168	1074	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 169	169	4236	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 300	300	4500	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 301	301	532	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 310	310	45081	0	0	0	0.0	0.0	0.0	0	0	13.000
 DMC 311	311	3289	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 317	317	3013	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 318	318	2399	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 336	336	644	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 370	370	1338	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 372	372	2081	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 400	400	1857	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 434	434	1556	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 436	436	1106	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 471	471	377	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 501	501	978	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 518	518	640	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 524	524	2824	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 554	554	35	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 561	561	229	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 612	612	2000	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 640	640	5855	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 644	644	3307	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 647	647	3486	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 648	648	2525	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 666	666	194	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 677	677	650	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 700	700	364	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 703	703	209	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 704	704	737	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 720	720	953	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 728	728	1167	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 730	730	5408	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 738	738	1473	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 754	754	792	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 779	779	3169	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 780	780	952	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 781	781	2120	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 801	801	3169	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 814	814	2488	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 817	817	2095	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 820	820	2702	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 823	823	7394	0	0	0	0.0	0.0	0.0	0	0	3.000
 DMC 832	832	1518	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 833	833	1366	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 834	834	1796	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 844	844	2210	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 890	890	1344	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 902	902	4608	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 906	906	1219	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 907	907	925	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 910	910	242	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 918	918	854	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 919	919	580	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 920	920	519	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 927	927	1360	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 930	930	2440	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 931	931	2649	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 936	936	2008	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 938	938	8377	0	0	0	0.0	0.0	0.0	0	0	3.000
 DMC 939	939	38771	0	0	0	0.0	0.0	0.0	0	0	11.000
 DMC 996	996	340	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3012	3012	1367	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3031	3031	2693	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3041	3041	1354	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3078	3078	185	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3328	3328	889	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3363	3363	2149	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3364	3364	1216	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3371	3371	14514	0	0	0	0.0	0.0	0.0	0	0	4.000
 DMC 3731	3731	125	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3740	3740	880	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3750	3750	2326	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 3765	3765	5900	0	0	0	0.0	0.0	0.0	0	0	2.000
 DMC 3787	3787	3205	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3799	3799	2905	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3801	3801	131	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3818	3818	2827	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3852	3852	1464	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3861	3861	1966	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3862	3862	3639	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3864	3864	2477	0	0	0	0.0	0.0	0.0	0	0	1.000
 DMC 3866	3866	1970	0	0	0	0.0	0.0	0.0	0	0	1.000







[illegible]

	240	250	260	270	280	290	300	310
10	V	X	X	X	X	X	X	X
20	V	X	X	X	X	X	X	X
30	V	X	X	X	X	X	X	X
40	V	X	X	X	X	X	X	X
50	V	X	X	X	X	X	X	X
60	V	X	X	X	X	X	X	X
70	V	X	X	X	X	X	X	X
80	V	X	X	X	X	X	X	X
90	V	X	X	X	X	X	X	X

$$(11) \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{z}} \right) = \frac{\partial L}{\partial z} \quad (12)$$

[illegible]

	10										20										30										40										50										60										70										80									
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	160	170	180	190	200	210	220	230
100	...	...	...	...	...	...	...	...
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120	...	...	...	...	...	...	...	...
130	...	...	...	...	...	...	...	...
140	...	...	...	...	...	...	...	...
150	...	...	...	...	...	...	...	...
160	...	...	...	...	...	...	...	...
170	...	...	...	...	...	...	...	...
180	...	...	...	...	...	...	...	...
190	...	...	...	...	...	...	...	...

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	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	1	1	1	1	1	1	1	1
191	1	1	1	1	1	1	1	1
192	1	1	1	1	1	1	1	1
193	1	1	1	1	1	1	1	1
194	1	1	1	1	1	1	1	1
195	1	1	1	1	1	1	1	1
196	1	1	1	1	1	1	1	1
197	1	1	1	1	1	1	1	1
198	1	1	1	1	1	1	1	1
199	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1
201	1	1	1	1	1	1	1	1
202	1	1	1	1	1	1	1	1
203	1	1	1	1	1	1	1	1
204	1	1	1	1	1	1	1	1
205	1	1	1	1	1	1	1	1
206	1	1	1	1	1	1	1	1
207	1	1	1	1	1	1	1	1
208	1	1	1	1	1	1	1	1
209	1	1	1	1	1	1	1	1
210	1	1	1	1	1	1	1	1
211	1	1	1	1	1	1	1	1
212	1	1	1	1	1	1	1	1
213	1	1	1	1	1	1	1	1
214	1	1	1	1	1	1	1	1
215	1	1	1	1	1	1	1	1
216	1	1	1	1	1	1	1	1
217	1	1	1	1	1	1	1	1
218	1	1	1	1	1	1	1	1
219	1	1	1	1	1	1	1	1
220	1	1	1	1	1	1	1	1
221	1	1	1	1	1	1	1	1
222	1	1	1	1	1	1	1	1
223	1	1	1	1	1	1	1	1
224	1	1	1	1	1	1	1	1
225	1	1	1	1	1	1	1	1
226	1	1	1	1	1	1	1	1
227	1	1	1	1	1	1	1	1
228	1	1	1	1	1	1	1	1
229	1	1	1	1	1	1	1	1
230	1	1	1	1	1	1	1	1
231	1	1	1	1	1	1	1	1
232	1	1	1	1	1	1	1	1
233	1	1	1	1	1	1	1	1
234	1	1	1	1	1	1	1	1
235	1	1	1	1	1	1	1	1
236	1	1	1	1	1	1	1	1
237	1	1	1	1	1	1	1	1
238	1	1	1	1	1	1	1	1
239	1	1	1	1	1	1	1	1
240	1	1	1	1	1	1	1	1
241	1	1	1	1	1	1	1	1
242	1	1	1	1	1	1	1	1
243	1	1	1	1	1	1	1	1
244	1	1	1	1	1	1	1	1
245	1	1	1	1	1	1	1	1
246	1	1	1	1	1	1	1	1
247	1	1	1	1	1	1	1	1
248	1	1	1	1	1	1	1	1
249	1	1	1	1	1	1	1	1
250	1	1	1	1	1	1	1	1
251	1	1	1	1	1	1	1	1
252	1	1	1	1	1	1	1	1
253	1	1	1	1	1	1	1	1
254	1	1	1	1	1	1	1	1
255	1	1	1	1	1	1	1	1
256	1	1	1	1	1	1	1	1
257	1	1	1	1	1	1	1	1
258	1	1	1	1	1	1	1	1
259	1	1	1	1	1	1	1	1
260	1	1	1	1	1	1	1	1
261	1	1	1	1	1	1	1	1
262	1	1	1	1	1	1	1	1
263	1	1	1	1	1	1	1	1
264	1	1	1	1	1	1	1	1
265	1	1	1	1	1	1	1	1
266	1	1	1	1	1	1	1	1
267	1	1	1	1	1	1	1	1
268	1	1	1	1	1	1	1	1
269	1	1	1	1	1	1	1	1
270	1	1	1	1	1	1	1	1
271	1	1	1	1	1	1	1	1
272	1	1	1	1	1	1	1	1
273	1	1	1	1	1	1	1	1
274	1	1	1	1	1	1	1	1
275	1	1	1	1	1	1	1	1
276	1	1	1	1	1	1	1	1
277	1	1	1	1	1	1	1	1
278	1	1	1	1	1	1	1	1
279	1	1	1	1	1	1	1	1
280	1	1	1	1	1	1	1	1

The figure displays a 10x100 grid of small images, totaling 1000 individual visualizations. The rows are indexed from 190 to 280, and the columns from 80 to 150. Each cell in the grid contains a small, square image. These images are generated using a GAN and show a wide variety of patterns, including abstract shapes, recognizable characters (like 'Z', '1', '0', '4', '7', '3', '8', '9', '6', '5', '2', 'V', 'H', 'L', 'C', 'X', 'm', 'mm', 'f'), and complex textures. The patterns are highly diverse, indicating the model's ability to generate a wide range of visual representations. The images are arranged in a grid that allows for easy comparison of different generated samples across different rows and columns.

[illegible]

[illegible]

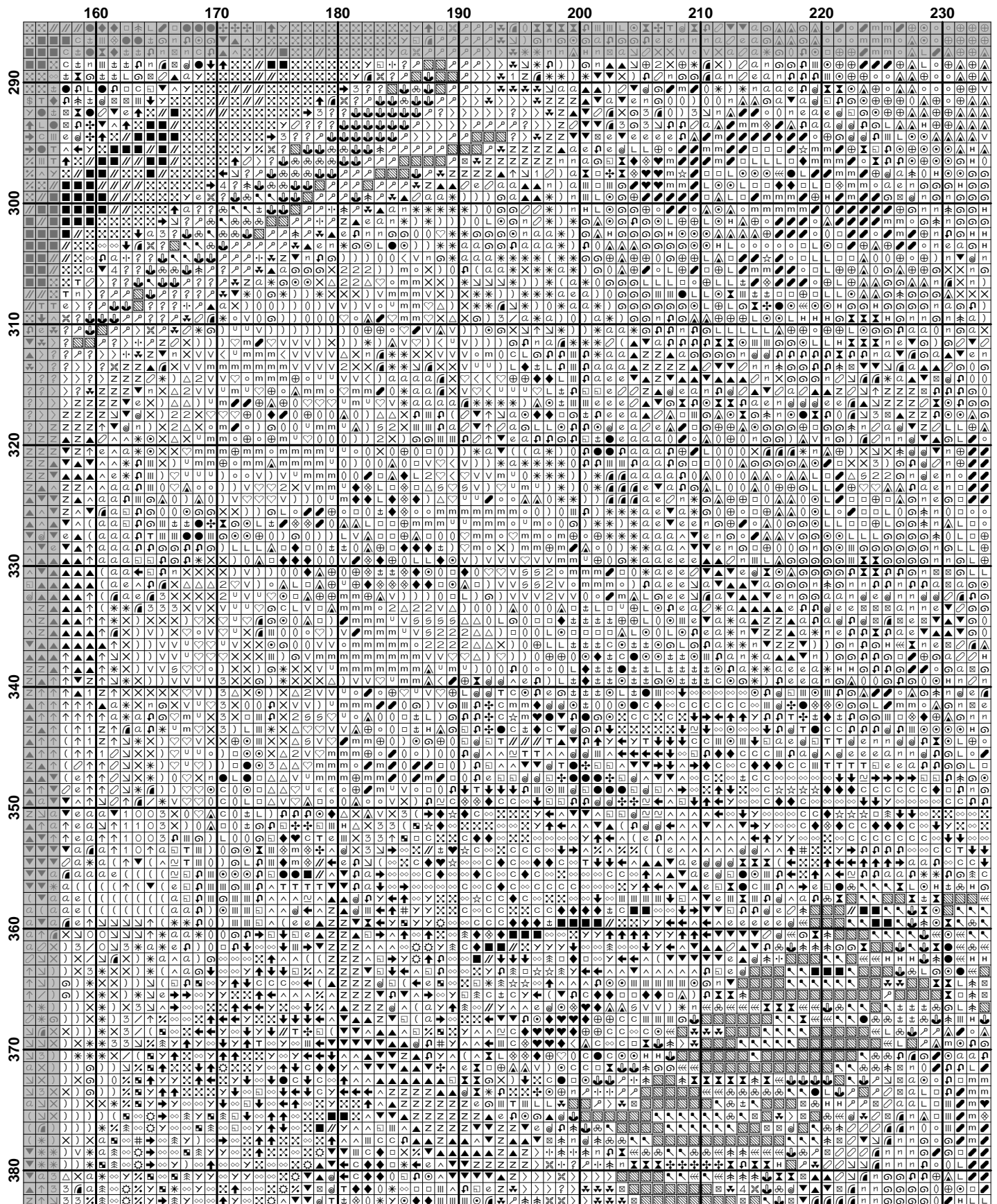


	310	320	330	340	350	360	370	380
190	X	X	X	X	X	X	X	X
200	X	X	X	X	X	X	X	X
210	X	X	X	X	X	X	X	X
220	X	X	X	X	X	X	X	X
230	X	X	X	X	X	X	X	X
240	X	X	X	X	X	X	X	X
250	X	X	X	X	X	X	X	X
260	X	X	X	X	X	X	X	X
270	X	X	X	X	X	X	X	X
280	X	X	X	X	X	X	X	X

	390	400	410	420	430	440	450
190	Z	Z	Z	Z	Z	Z	Z
200	Z	Z	Z	Z	Z	Z	Z
210	Z	Z	Z	Z	Z	Z	Z
220	Z	Z	Z	Z	Z	Z	Z
230	Z	Z	Z	Z	Z	Z	Z
240	Z	Z	Z	Z	Z	Z	Z
250	Z	Z	Z	Z	Z	Z	Z
260	Z	Z	Z	Z	Z	Z	Z
270	Z	Z	Z	Z	Z	Z	Z
280	Z	Z	Z	Z	Z	Z	Z

[illegible]

[illegible]



[illegible]

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

[illegible]



[illegible]



	160	170	180	190	200	210	220	230
380	...	...	...	...	...	...	...	...
390	...	...	...	...	...	...	...	...
400	...	...	...	...	...	...	...	...
410	...	...	...	...	...	...	...	...
420	...	...	...	...	...	...	...	...
430	...	...	...	...	...	...	...	...
440	...	...	...	...	...	...	...	...
450	...	...	...	...	...	...	...	...
460	...	...	...	...	...	...	...	...
470	...	...	...	...	...	...	...	...

	240	250	260	270	280	290	300	310
380								
390								
400								
410								
420								
430								
440								
450								
460								
470								

380	310	320	330	340	350	360	370	380
380	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
390	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
400	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
410	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
420	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
430	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
440	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
450	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
460	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
470	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT

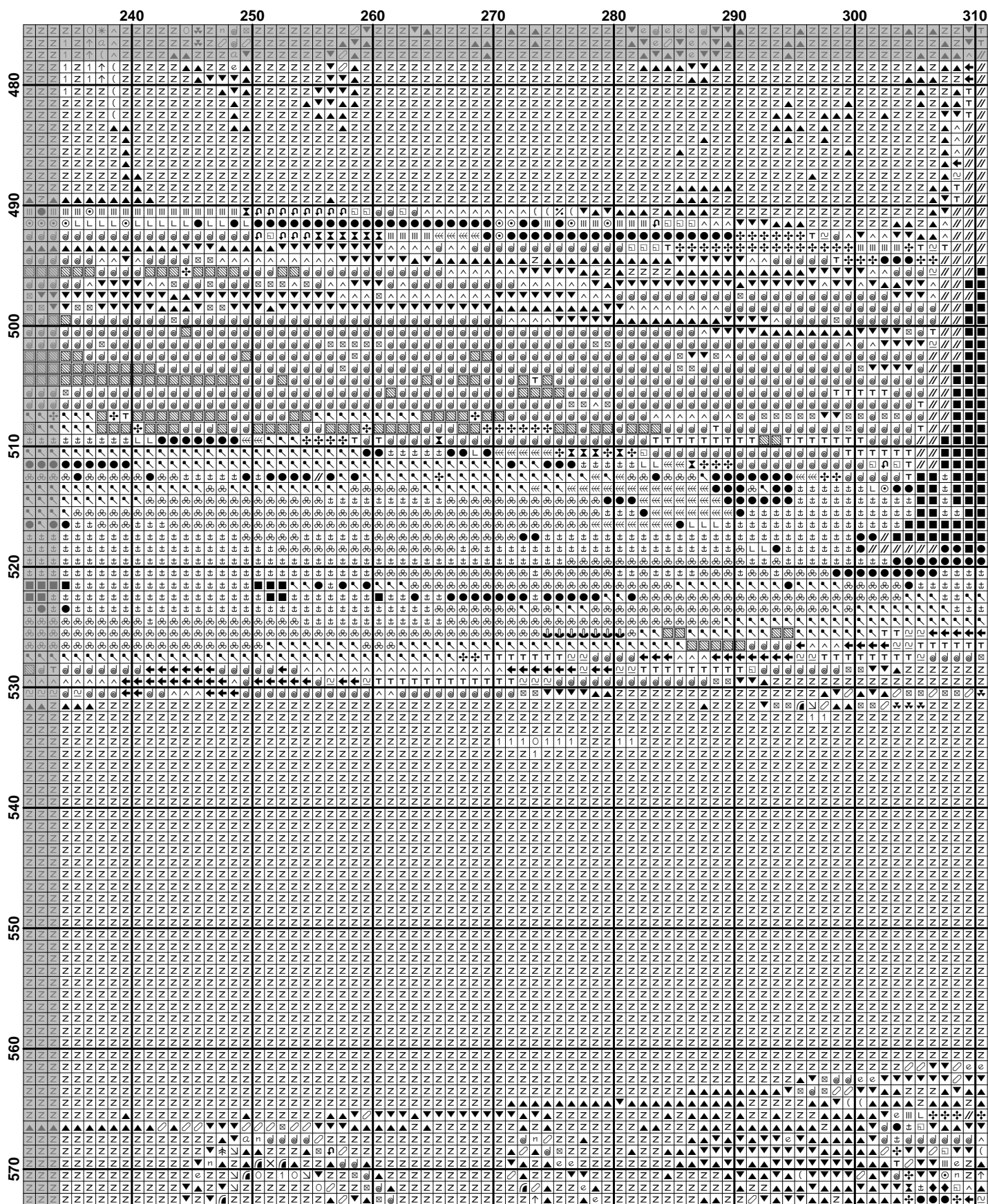
	390	400	410	420	430	440	450
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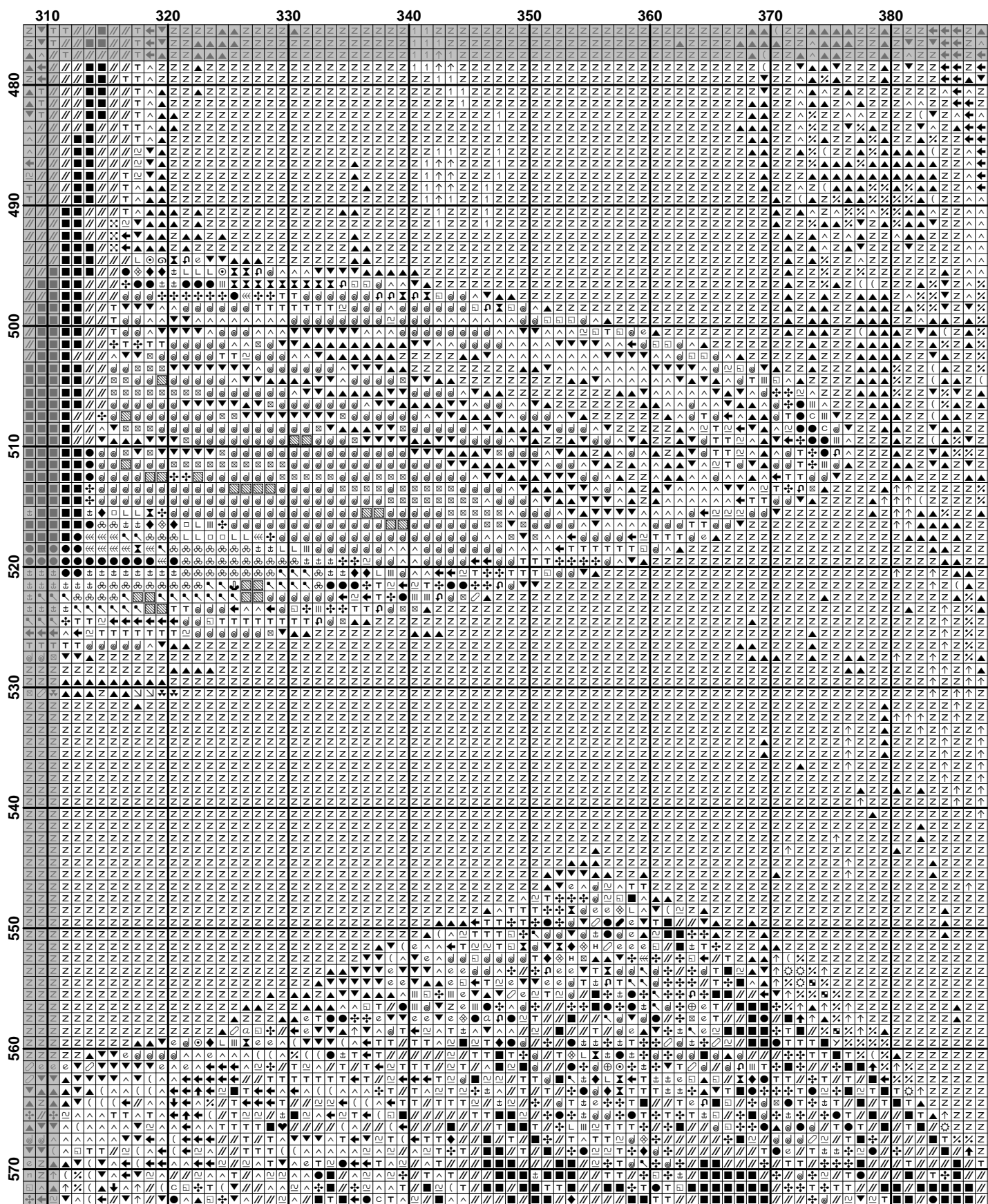
[illegible]

$$(38) \quad \mathcal{L}(\mathcal{A}) \subseteq \mathcal{L}(\mathcal{B}) \iff \mathcal{A} \subseteq \mathcal{B} \quad (39)$$









	390										400										410										420										430										440										450																																							
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[illegible]



	160	170	180	190	200	210	220	230
570	+	+	+	+	+	+	+	+
580	+	+	+	+	+	+	+	+
590	+	+	+	+	+	+	+	+
600	+	+	+	+	+	+	+	+

	240	250	260	270	280	290	300	310
570	z	z	z	z	z	z	z	z
580	z	z	z	z	z	z	z	z
590	z	z	z	z	z	z	z	z
600	z	z	z	z	z	z	z	z



	310	320	330	340	350	360	370	380
570	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
580	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
590	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

[illegible]