

817 La Vierge aux Anges



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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.

On large patterns, it is easiest to start from the upper left corner of the design. Make sure you have the proper margins before starting and that the fabric piece is of the correct size. The best way to verify this is to count all stitch positions on the fabric from the upper left corner downwards and to the right to make sure there is enough space for the design.

Some prefer to start in the center of the design instead. 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 tread 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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La Vierge aux Anges

Stitch Count	
Horizontal:	500
Vertical:	730

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:	91	35.67	133	52.07	80	31.21	116	45.56	71	27.75	103	40.5
Including Margins:	107	42	149	59	96	38	132	52	87	34	119	47
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	127	49.93	186	72.89	106	41.61	155	60.74	53	20.8	77	30.37
Including Margins:	143	56	202	79	122	48	171	67	69	27	93	37
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	50	19.97	74	29.15	49	19.2	71	28.03	47	18.49	68	26.99
Including Margins:	66	26	90	36	65	26	87	35	63	25	84	33
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	45	17.83	66	26.03	42	16.64	62	24.29	39	15.6	58	22.78
Including Margins:	61	24	82	33	58	23	78	31	55	22	74	29

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
❖	223	Shell Pink-LT
⚭	317	Pewter Gray
↑	372	Mustard-LT
∇	402	Mahogany-VY LT
⊕	407	Desert Sand-DK
◆	413	Pewter Gray-DK
⊖	414	Steel Gray-DK
⇒	422	Hazelnut Brown-LT
⬆	436	Tan
↪	437	Tan-LT
◎	451	Shell Gray-DK
◇	524	Fern Green-VY LT
♣	535	Ash Gray-VY LT
♂	543	Beige Brown-UL VY LT
⊙	612	Drab Brown-LT
⊗	613	Drab Brown-VY LT
■	640	Beige Gray-VY DK
⊗	642	Beige Gray-DK
⬆	645	Beaver Gray-VY DK
⊗	646	Beaver Gray-DK
—	677	Old Gold-VY LT
m	738	Tan-VY LT
‡	739	Tan-UL VY LT
)	745	Yellow-LT Pale
•	746	Off White
τ	754	Peach-LT
‡	758	Terra Cotta-VY LT
*	840	Beige Brown-MD
↓	841	Beige Brown-LT
↩	842	Beige Brown-VY LT

↓	844	Beaver Brown-UL DK
⊖	926	Gray Green-MD
◇	931	Antique Blue-MD
2	945	Tawny
u	948	Peach-VY LT
e	951	Tawny-LT
●	3021	Brown Gray-VY DK
⊗	3022	Brown Gray-MD
■	3031	Mocha Brown-VY DK
⊙	3032	Mocha Brown-MD
+	3041	Antique Violet-MD
›	3046	Yellow Beige-MD
/	3047	Yellow Beige-LT
#	3064	Desert Sand
~	3078	Golden Yellow-VY LT
➔	3768	Gray Green-DK
:	3770	Tawny-VY LT
Ω	3772	Desert Sand-VY DK
⊗	3778	Terra Cotta-LT
□	3782	Mocha Brown-LT
⊗	3787	Brown Gray-DK
■	3790	Beige Gray-UL DK
●	3799	Pewter Gray-VY DK
L	3823	Yellow-UL Pale
x	3825	Pumpkin-Pale
+	3855	Autumn Gold-LT
∅	3856	Mahogany-UL VY LT
⊕	3859	Rosewood-LT
**	3860	Cocoa
☆	3861	Cocoa-LT
⊗	3863	Mocha Beige-MD
⊖	3864	Mocha Beige-LT
1	Ecru	Ecru

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.

Symbol	DMC1	Name1	DMC2	Name2
×	3864	Mocha Beige-LT	407	Desert Sand-DK
●	3859	Rosewood-LT	3863	Mocha Beige-MD
←	844	Beaver Brown-UL DK	3787	Brown Gray-DK
⊕	3032	Mocha Brown-MD	3863	Mocha Beige-MD
⊕	451	Shell Gray-DK	841	Beige Brown-LT
⊕	640	Beige Gray-VY DK	645	Beaver Gray-VY DK
↑	3787	Brown Gray-DK	645	Beaver Gray-VY DK
▼	645	Beaver Gray-VY DK	3860	Cocoa
⊕	3861	Cocoa-LT	3022	Brown Gray-MD
L	3782	Mocha Brown-LT	3861	Cocoa-LT
⊕	844	Beaver Brown-UL DK	3799	Pewter Gray-VY DK
↗	841	Beige Brown-LT	407	Desert Sand-DK
↘	3064	Desert Sand	3778	Terra Cotta-LT
↑	738	Tan-VY LT	3856	Mahogany-UL VY LT
c	353	Peach	3823	Yellow-UL Pale
>	3078	Golden Yellow-VY LT	353	Peach
⊕	3064	Desert Sand	3032	Mocha Brown-MD
⊕	3864	Mocha Beige-LT	738	Tan-VY LT
⊕	3726	Antique Mauve-DK	3860	Cocoa
↘	3855	Autumn Gold-LT	3856	Mahogany-UL VY LT
↑	839	Beige Brown-DK	3787	Brown Gray-DK
⊕	3787	Brown Gray-DK	3790	Beige Gray-UL DK
•	3856	Mahogany-UL VY LT	3341	Apricot
↗	3787	Brown Gray-DK	3021	Brown Gray-VY DK
♥	3021	Brown Gray-VY DK	844	Beaver Brown-UL DK
⊕	3740	Antique Violet-DK	3787	Brown Gray-DK
⊕	407	Desert Sand-DK	437	Tan-LT
∩	437	Tan-LT	612	Drab Brown-LT
↑	758	Terra Cotta-VY LT	3864	Mocha Beige-LT
⊕	844	Beaver Brown-UL DK	3740	Antique Violet-DK
⊕	3740	Antique Violet-DK	3041	Antique Violet-MD
⊕	844	Beaver Brown-UL DK	413	Pewter Gray-DK
⊕	645	Beaver Gray-VY DK	413	Pewter Gray-DK
↘	223	Shell Pink-LT	3032	Mocha Brown-MD
⊕	3031	Mocha Brown-VY DK	3799	Pewter Gray-VY DK
H	372	Mustard-LT	3032	Mocha Brown-MD
*	3032	Mocha Brown-MD	407	Desert Sand-DK
*	3862	Mocha Beige-DK	3863	Mocha Beige-MD
⊕	839	Beige Brown-DK	844	Beaver Brown-UL DK
●	3799	Pewter Gray-VY DK	3021	Brown Gray-VY DK
⊕	407	Desert Sand-DK	3859	Rosewood-LT
3	437	Tan-LT	3823	Yellow-UL Pale
⊕	3799	Pewter Gray-VY DK	413	Pewter Gray-DK
∩	3863	Mocha Beige-MD	356	Terra Cotta-MD
↘	437	Tan-LT	3064	Desert Sand
^	3856	Mahogany-UL VY LT	758	Terra Cotta-VY LT
5	613	Drab Brown-VY LT	739	Tan-UL VY LT
⊕	926	Gray Green-MD	317	Pewter Gray
♠	3859	Rosewood-LT	3860	Cocoa
(745	Yellow-LT Pale	3823	Yellow-UL Pale
♦	3828	Hazelnut Brown	356	Terra Cotta-MD
↘	407	Desert Sand-DK	612	Drab Brown-LT
⊕	640	Beige Gray-VY DK	3022	Brown Gray-MD

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✚	931	Antique Blue-MD	317	Pewter Gray
↓	3768	Gray Green-DK	317	Pewter Gray
=	353	Peach	745	Yellow-LT Pale
◇	3825	Pumpkin-Pale	3778	Terra Cotta-LT
▀	3768	Gray Green-DK	413	Pewter Gray-DK
ρ	3856	Mahogany-UL VY LT	3078	Golden Yellow-VY LT
✱	839	Beige Brown-DK	3740	Antique Violet-DK
■	934	Black Avocado Green	3031	Mocha Brown-VY DK
⊗	3740	Antique Violet-DK	3790	Beige Gray-UL DK
✚	645	Beaver Gray-VY DK	3740	Antique Violet-DK
◎	640	Beige Gray-VY DK	3790	Beige Gray-UL DK
Ⓜ	3032	Mocha Brown-MD	3862	Mocha Beige-DK
☿	3860	Cocoa	640	Beige Gray-VY DK
	407	Desert Sand-DK	3782	Mocha Brown-LT
//	841	Beige Brown-LT	842	Beige Brown-VY LT
↖	437	Tan-LT	3864	Mocha Beige-LT
«	746	Off White	3823	Yellow-UL Pale
○	945	Tawny	613	Drab Brown-VY LT
▲	407	Desert Sand-DK	3778	Terra Cotta-LT
§	3348	Yellow Green-LT	738	Tan-VY LT
∴	3855	Autumn Gold-LT	945	Tawny
∞	745	Yellow-LT Pale	754	Peach-LT
=	3863	Mocha Beige-MD	3064	Desert Sand
►	3726	Antique Mauve-DK	3863	Mocha Beige-MD
◇	3782	Mocha Brown-LT	841	Beige Brown-LT
✕	3859	Rosewood-LT	3032	Mocha Brown-MD
\$	841	Beige Brown-LT	3032	Mocha Brown-MD
⊙	3726	Antique Mauve-DK	841	Beige Brown-LT
≡	3032	Mocha Brown-MD	3726	Antique Mauve-DK
★	3064	Desert Sand	3828	Hazelnut Brown
✚	3859	Rosewood-LT	3726	Antique Mauve-DK
◦	926	Gray Green-MD	451	Shell Gray-DK
z	3782	Mocha Brown-LT	3023	Brown Gray-LT
☼	451	Shell Gray-DK	640	Beige Gray-VY DK
▲	3862	Mocha Beige-DK	3860	Cocoa
✱	3863	Mocha Beige-MD	3860	Cocoa
⊕	223	Shell Pink-LT	3778	Terra Cotta-LT
§	758	Terra Cotta-VY LT	437	Tan-LT
☾	3768	Gray Green-DK	645	Beaver Gray-VY DK
♣	3726	Antique Mauve-DK	839	Beige Brown-DK
^	745	Yellow-LT Pale	3078	Golden Yellow-VY LT
√	754	Peach-LT	3078	Golden Yellow-VY LT
::	3855	Autumn Gold-LT	3078	Golden Yellow-VY LT
4	3825	Pumpkin-Pale	758	Terra Cotta-VY LT
	3825	Pumpkin-Pale	437	Tan-LT
↘	3825	Pumpkin-Pale	3064	Desert Sand

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	
223	Shell Pink-LT	304	119	289	113	260	102
317	Pewter Gray	2200	866	2096	825	1886	742
353	Peach	225	88	215	84	193	75
356	Terra Cotta-MD	29	11	28	11	25	9
372	Mustard-LT	85	33	81	31	73	28
402	Mahogany-VY LT	6	2	5	1	5	1
407	Desert Sand-DK	2629	1035	2504	985	2254	887
413	Pewter Gray-DK	3467	1364	3302	1300	2972	1170
414	Steel Gray-DK	38	14	36	14	32	12
422	Hazelnut Brown-LT	22	8	21	8	19	7
436	Tan	34	13	33	12	29	11
437	Tan-LT	1095	431	1043	410	938	369
451	Shell Gray-DK	2053	808	1955	769	1759	692
524	Fern Green-VY LT	35	13	34	13	30	11
535	Ash Gray-VY LT	942	370	897	353	807	317
543	Beige Brown-UL VY LT	54	21	52	20	46	18
612	Drab Brown-LT	509	200	485	190	436	171
613	Drab Brown-VY LT	1000	393	952	374	857	337
640	Beige Gray-VY DK	3225	1269	3072	1209	2764	1088
642	Beige Gray-DK	55	21	53	20	47	18
645	Beaver Gray-VY DK	3084	1214	2937	1156	2643	1040
646	Beaver Gray-DK	22	8	20	7	18	7
677	Old Gold-VY LT	92	36	88	34	79	31
738	Tan-VY LT	1739	684	1656	651	1490	586
739	Tan-UL VY LT	1037	408	988	388	889	350
745	Yellow-LT Pale	642	252	612	240	551	216
746	Off White	298	117	284	111	255	100
754	Peach-LT	300	118	285	112	257	101
758	Terra Cotta-VY LT	461	181	439	172	395	155
839	Beige Brown-DK	1521	598	1448	570	1303	512
840	Beige Brown-MD	481	189	458	180	412	162
841	Beige Brown-LT	3042	1197	2897	1140	2607	1026
842	Beige Brown-VY LT	796	313	758	298	682	268
844	Beaver Brown-UL DK	11969	4712	11399	4487	10259	4038
926	Gray Green-MD	577	227	549	216	494	194
931	Antique Blue-MD	167	65	159	62	143	56
934	Black Avocado Green	84	33	80	31	72	28
945	Tawny	778	306	741	291	667	262
948	Peach-VY LT	70	27	67	26	60	23
951	Tawny-LT	258	101	245	96	221	87
3021	Brown Gray-VY DK	7331	2886	6982	2748	6284	2474
3022	Brown Gray-MD	322	126	306	120	276	108
3023	Brown Gray-LT	10	3	9	3	8	3
3031	Mocha Brown-VY DK	4769	1877	4542	1788	4088	1609
3032	Mocha Brown-MD	3353	1320	3193	1257	2874	1131
3041	Antique Violet-MD	78	30	74	29	67	26
3046	Yellow Beige-MD	18	7	17	6	15	5
3047	Yellow Beige-LT	371	146	354	139	318	125
3064	Desert Sand	1062	418	1011	398	910	358
3078	Golden Yellow-VY LT	364	143	347	136	312	122
3341	Apricot	18	7	17	6	16	6
3348	Yellow Green-LT	8	3	7	2	7	2
3726	Antique Mauve-DK	1124	442	1071	421	963	379
3740	Antique Violet-DK	3700	1456	3524	1387	3171	1248

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3768	Gray Green-DK	1210	476	1152	453	1037	408
3770	Tawny-VY LT	29	11	27	10	25	9
3772	Desert Sand-VY DK	75	29	71	27	64	25
3778	Terra Cotta-LT	62	24	59	23	53	20
3782	Mocha Brown-LT	1601	630	1525	600	1372	540
3787	Brown Gray-DK	4318	1700	4112	1618	3701	1457
3790	Beige Gray-UL DK	1111	437	1058	416	952	374
3799	Pewter Gray-VY DK	12541	4937	11944	4702	10749	4231
3823	Yellow-UL Pale	1559	613	1485	584	1337	526
3825	Pumpkin-Pale	138	54	131	51	118	46
3828	Hazelnut Brown	128	50	122	48	110	43
3855	Autumn Gold-LT	157	61	150	59	135	53
3856	Mahogany-UL VY LT	603	237	574	225	517	203
3859	Rosewood-LT	1153	453	1098	432	988	388
3860	Cocoa	4280	1685	4076	1604	3668	1444
3861	Cocoa-LT	501	197	478	188	430	169
3862	Mocha Beige-DK	556	218	529	208	476	187
3863	Mocha Beige-MD	2462	969	2345	923	2110	830
3864	Mocha Beige-LT	2479	975	2361	929	2125	836
Ecu	Ecu	59	23	56	22	51	20

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
223	Shell Pink-LT	468	184	390	153	195	77
317	Pewter Gray	3395	1336	2829	1113	1415	557
353	Peach	347	135	290	113	145	56
356	Terra Cotta-MD	45	16	38	14	19	7
372	Mustard-LT	131	50	110	42	55	21
402	Mahogany-VY LT	9	2	8	2	4	1
407	Desert Sand-DK	4057	1597	3381	1331	1691	665
413	Pewter Gray-DK	5350	2106	4458	1755	2229	878
414	Steel Gray-DK	58	22	48	18	24	9
422	Hazelnut Brown-LT	34	13	29	11	14	5
436	Tan	52	20	44	17	22	8
437	Tan-LT	1688	664	1407	554	704	277
451	Shell Gray-DK	3166	1246	2639	1038	1319	519
524	Fern Green-VY LT	54	20	45	17	23	8
535	Ash Gray-VY LT	1453	571	1211	476	605	238
543	Beige Brown-UL VY LT	83	32	69	27	35	14
612	Drab Brown-LT	785	308	654	257	327	128
613	Drab Brown-VY LT	1543	607	1286	506	643	253
640	Beige Gray-VY DK	4975	1958	4146	1632	2073	816
642	Beige Gray-DK	85	32	71	27	35	14
645	Beaver Gray-VY DK	4757	1872	3965	1560	1982	780
646	Beaver Gray-DK	32	13	27	11	14	5
677	Old Gold-VY LT	142	56	119	47	59	23
738	Tan-VY LT	2682	1055	2235	879	1118	440
739	Tan-UL VY LT	1600	630	1334	525	667	263
745	Yellow-LT Pale	992	389	827	324	413	162
746	Off White	459	180	383	150	191	75
754	Peach-LT	463	182	386	152	193	76
758	Terra Cotta-VY LT	711	279	593	233	296	116
839	Beige Brown-DK	2345	922	1955	768	977	384
840	Beige Brown-MD	742	292	618	243	309	122
841	Beige Brown-LT	4693	1847	3911	1539	1955	770

842	Beige Brown-VY LT	1228	482	1023	402	512	201
844	Beaver Brown-UL DK	18466	7268	15389	6057	7694	3029
926	Gray Green-MD	889	349	741	291	371	146
931	Antique Blue-MD	257	101	215	84	107	42
934	Black Avocado Green	130	50	108	42	54	21
945	Tawny	1201	472	1001	393	500	197
948	Peach-VY LT	108	41	90	35	45	17
951	Tawny-LT	398	157	332	131	166	65
3021	Brown Gray-VY DK	11311	4453	9426	3711	4713	1856
3022	Brown Gray-MD	497	194	414	162	207	81
3023	Brown Gray-LT	14	5	12	5	6	2
3031	Mocha Brown-VY DK	7358	2896	6132	2414	3066	1207
3032	Mocha Brown-MD	5173	2036	4311	1697	2156	848
3041	Antique Violet-MD	121	47	101	39	50	20
3046	Yellow Beige-MD	27	9	23	8	11	4
3047	Yellow Beige-LT	572	225	477	188	239	94
3064	Desert Sand	1638	644	1365	537	683	269
3078	Golden Yellow-VY LT	562	220	468	183	234	92
3341	Apricot	29	11	24	9	12	5
3348	Yellow Green-LT	13	4	11	3	5	2
3726	Antique Mauve-DK	1733	682	1445	569	722	284
3740	Antique Violet-DK	5708	2246	4757	1872	2378	936
3768	Gray Green-DK	1867	734	1556	612	778	306
3770	Tawny-VY LT	45	16	38	14	19	7
3772	Desert Sand-VY DK	115	45	96	38	48	19
3778	Terra Cotta-LT	95	36	80	30	40	15
3782	Mocha Brown-LT	2470	972	2058	810	1029	405
3787	Brown Gray-DK	6662	2623	5552	2186	2776	1093
3790	Beige Gray-UL DK	1714	673	1428	561	714	281
3799	Pewter Gray-VY DK	19348	7616	16124	6347	8062	3173
3823	Yellow-UL Pale	2407	947	2006	789	1003	395
3825	Pumpkin-Pale	212	83	177	69	89	35
3828	Hazelnut Brown	198	77	165	65	83	32
3855	Autumn Gold-LT	243	95	203	80	101	40
3856	Mahogany-UL VY LT	931	365	776	305	388	152
3859	Rosewood-LT	1778	698	1482	582	741	291
3860	Cocoa	6602	2599	5502	2166	2751	1083
3861	Cocoa-LT	774	304	645	254	323	127
3862	Mocha Beige-DK	857	337	714	281	357	140
3863	Mocha Beige-MD	3798	1494	3165	1245	1583	623
3864	Mocha Beige-LT	3825	1505	3188	1254	1594	627
Ecu	Ecu	92	36	77	30	38	15

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
223	Shell Pink-LT	187	73	180	71	173	68
317	Pewter Gray	1358	534	1306	514	1257	495
353	Peach	139	54	134	52	129	50
356	Terra Cotta-MD	18	6	17	6	17	6
372	Mustard-LT	53	20	51	19	49	19
402	Mahogany-VY LT	4	1	3	1	3	1
407	Desert Sand-DK	1623	639	1560	614	1503	591
413	Pewter Gray-DK	2140	842	2058	810	1981	780
414	Steel Gray-DK	23	9	22	8	21	8
422	Hazelnut Brown-LT	14	5	13	5	13	5

436	Tan	21	8	20	8	19	7
437	Tan-LT	675	266	649	255	625	246
451	Shell Gray-DK	1266	498	1218	479	1173	461
524	Fern Green-VY LT	22	8	21	8	20	7
535	Ash Gray-VY LT	581	228	559	219	538	211
543	Beige Brown-UL VY LT	33	13	32	12	31	12
612	Drab Brown-LT	314	123	302	118	291	114
613	Drab Brown-VY LT	617	243	593	233	571	225
640	Beige Gray-VY DK	1990	783	1914	753	1843	725
642	Beige Gray-DK	34	13	33	12	31	12
645	Beaver Gray-VY DK	1903	749	1830	720	1762	693
646	Beaver Gray-DK	13	5	12	5	12	5
677	Old Gold-VY LT	57	22	55	21	53	21
738	Tan-VY LT	1073	422	1032	406	993	391
739	Tan-UL VY LT	640	252	615	242	593	233
745	Yellow-LT Pale	397	156	381	150	367	144
746	Off White	184	72	177	69	170	67
754	Peach-LT	185	73	178	70	171	67
758	Terra Cotta-VY LT	284	112	273	107	263	103
839	Beige Brown-DK	938	369	902	354	869	341
840	Beige Brown-MD	297	117	285	112	275	108
841	Beige Brown-LT	1877	739	1805	710	1738	684
842	Beige Brown-VY LT	491	193	472	186	455	179
844	Beaver Brown-UL DK	7386	2907	7102	2796	6839	2692
926	Gray Green-MD	356	140	342	134	329	129
931	Antique Blue-MD	103	40	99	39	95	37
934	Black Avocado Green	52	20	50	19	48	19
945	Tawny	480	189	462	181	445	175
948	Peach-VY LT	43	17	42	16	40	15
951	Tawny-LT	159	63	153	60	147	58
3021	Brown Gray-VY DK	4524	1781	4350	1713	4189	1649
3022	Brown Gray-MD	199	78	191	75	184	72
3023	Brown Gray-LT	6	2	6	2	5	2
3031	Mocha Brown-VY DK	2943	1158	2830	1114	2725	1073
3032	Mocha Brown-MD	2069	814	1990	783	1916	754
3041	Antique Violet-MD	48	19	46	18	45	17
3046	Yellow Beige-MD	11	4	10	3	10	3
3047	Yellow Beige-LT	229	90	220	87	212	83
3064	Desert Sand	655	258	630	248	607	239
3078	Golden Yellow-VY LT	225	88	216	84	208	81
3341	Apricot	12	4	11	4	11	4
3348	Yellow Green-LT	5	1	5	1	5	1
3726	Antique Mauve-DK	693	273	667	262	642	253
3740	Antique Violet-DK	2283	899	2195	864	2114	832
3768	Gray Green-DK	747	294	718	282	691	272
3770	Tawny-VY LT	18	6	17	6	17	6
3772	Desert Sand-VY DK	46	18	44	17	43	17
3778	Terra Cotta-LT	38	14	37	14	35	13
3782	Mocha Brown-LT	988	389	950	374	915	360
3787	Brown Gray-DK	2665	1049	2562	1009	2467	971
3790	Beige Gray-UL DK	685	269	659	259	635	249
3799	Pewter Gray-VY DK	7739	3046	7442	2929	7166	2821
3823	Yellow-UL Pale	963	379	926	364	891	351
3825	Pumpkin-Pale	85	33	82	32	79	31
3828	Hazelnut Brown	79	31	76	30	73	29
3855	Autumn Gold-LT	97	38	93	37	90	35
3856	Mahogany-UL VY LT	372	146	358	141	345	135
3859	Rosewood-LT	711	279	684	269	659	259
3860	Cocoa	2641	1040	2539	1000	2445	963

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3861	Cocoa-LT	310	122	298	117	287	113
3862	Mocha Beige-DK	343	135	330	129	317	125
3863	Mocha Beige-MD	1519	598	1461	575	1407	553
3864	Mocha Beige-LT	1530	602	1471	579	1417	557
Ecru	Ecru	37	14	35	14	34	13

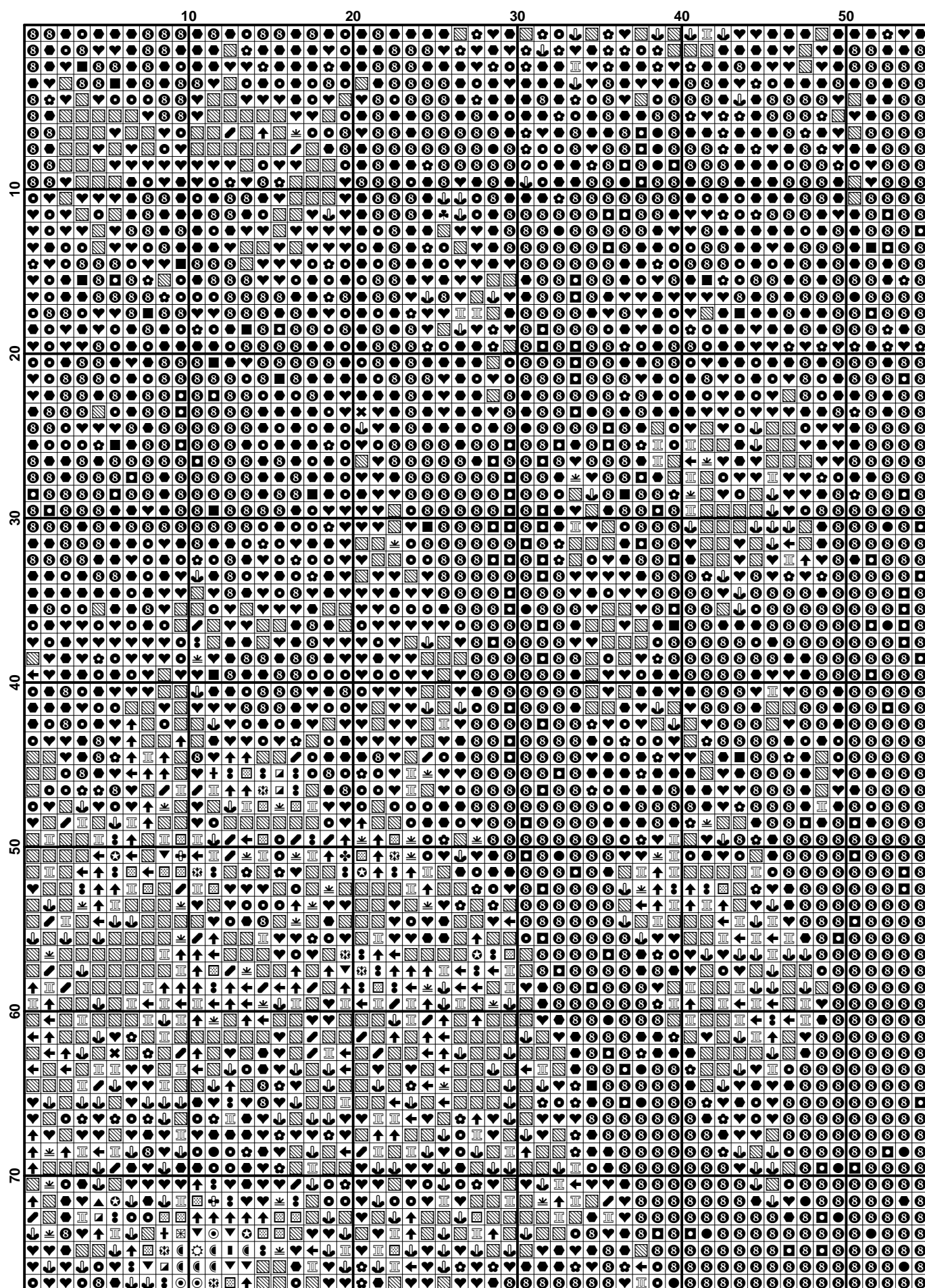
Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
223	Shell Pink-LT	167	66	156	61	146	57
317	Pewter Gray	1212	477	1132	445	1061	417
353	Peach	124	48	116	45	109	42
356	Terra Cotta-MD	16	6	15	5	14	5
372	Mustard-LT	47	18	44	17	41	16
402	Mahogany-VY LT	3	1	3	1	3	1
407	Desert Sand-DK	1449	570	1352	532	1268	499
413	Pewter Gray-DK	1911	752	1783	702	1672	658
414	Steel Gray-DK	21	8	19	7	18	7
422	Hazelnut Brown-LT	12	5	11	4	11	4
436	Tan	19	7	17	7	16	6
437	Tan-LT	603	237	563	221	528	208
451	Shell Gray-DK	1131	445	1055	415	989	389
524	Fern Green-VY LT	19	7	18	7	17	6
535	Ash Gray-VY LT	519	204	484	190	454	178
543	Beige Brown-UL VY LT	30	12	28	11	26	10
612	Drab Brown-LT	280	110	262	103	245	96
613	Drab Brown-VY LT	551	217	514	202	482	190
640	Beige Gray-VY DK	1777	699	1658	653	1555	612
642	Beige Gray-DK	30	12	28	11	26	10
645	Beaver Gray-VY DK	1699	669	1586	624	1487	585
646	Beaver Gray-DK	12	5	11	4	10	4
677	Old Gold-VY LT	51	20	47	19	44	17
738	Tan-VY LT	958	377	894	352	838	330
739	Tan-UL VY LT	572	225	533	210	500	197
745	Yellow-LT Pale	354	139	331	130	310	122
746	Off White	164	64	153	60	143	56
754	Peach-LT	165	65	154	61	145	57
758	Terra Cotta-VY LT	254	100	237	93	222	87
839	Beige Brown-DK	838	329	782	307	733	288
840	Beige Brown-MD	265	104	247	97	232	91
841	Beige Brown-LT	1676	660	1564	616	1466	577
842	Beige Brown-VY LT	438	172	409	161	384	151
844	Beaver Brown-UL DK	6595	2596	6155	2423	5771	2271
926	Gray Green-MD	318	125	296	116	278	109
931	Antique Blue-MD	92	36	86	34	80	32
934	Black Avocado Green	46	18	43	17	41	16
945	Tawny	429	168	400	157	375	147
948	Peach-VY LT	39	15	36	14	34	13
951	Tawny-LT	142	56	133	52	124	49
3021	Brown Gray-VY DK	4040	1590	3770	1484	3535	1392
3022	Brown Gray-MD	177	69	166	65	155	61
3023	Brown Gray-LT	5	2	5	2	5	2
3031	Mocha Brown-VY DK	2628	1034	2453	965	2300	905
3032	Mocha Brown-MD	1848	727	1724	679	1617	636
3041	Antique Violet-MD	43	17	40	16	38	15
3046	Yellow Beige-MD	10	3	9	3	8	3
3047	Yellow Beige-LT	204	80	191	75	179	70

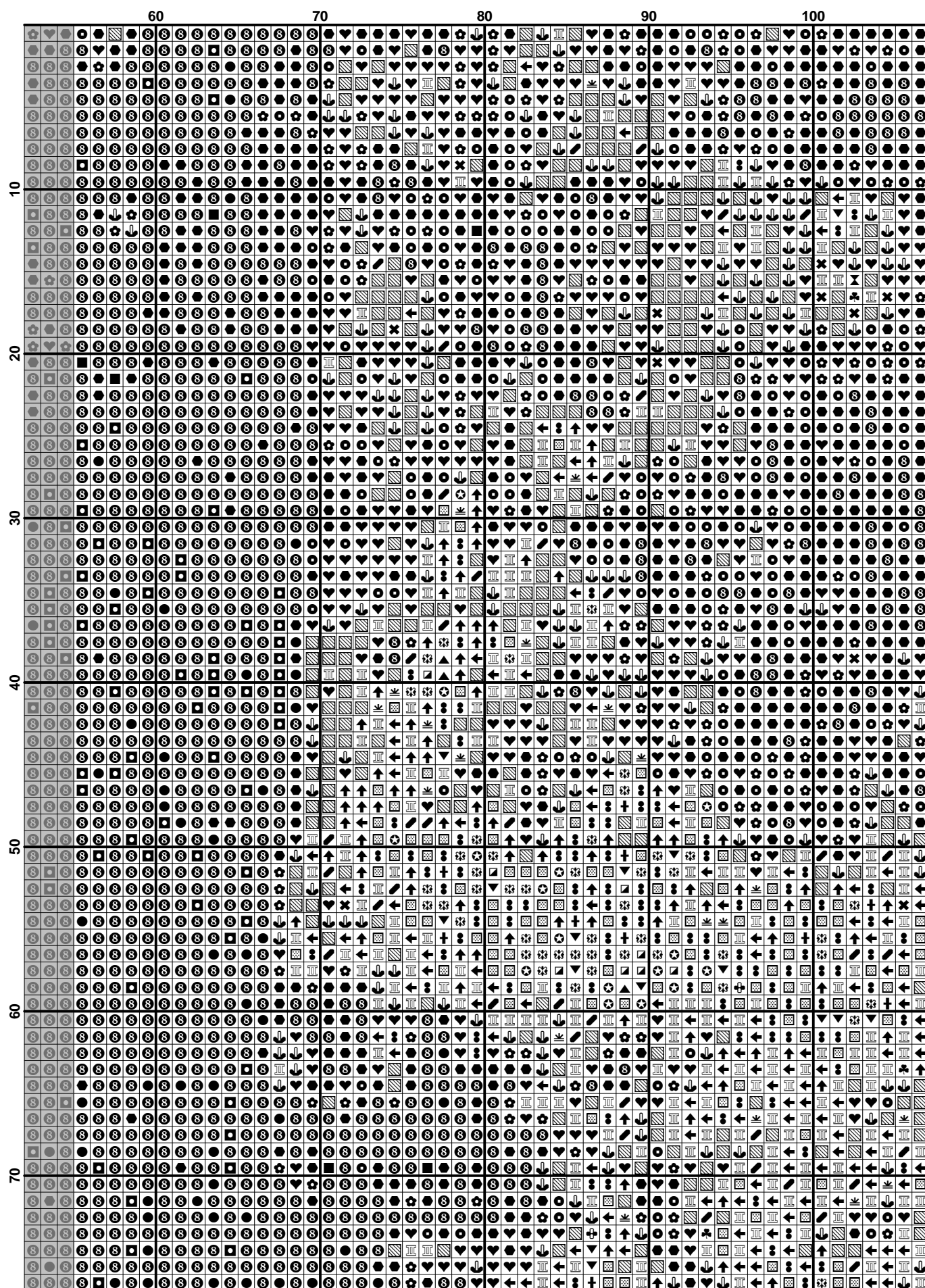
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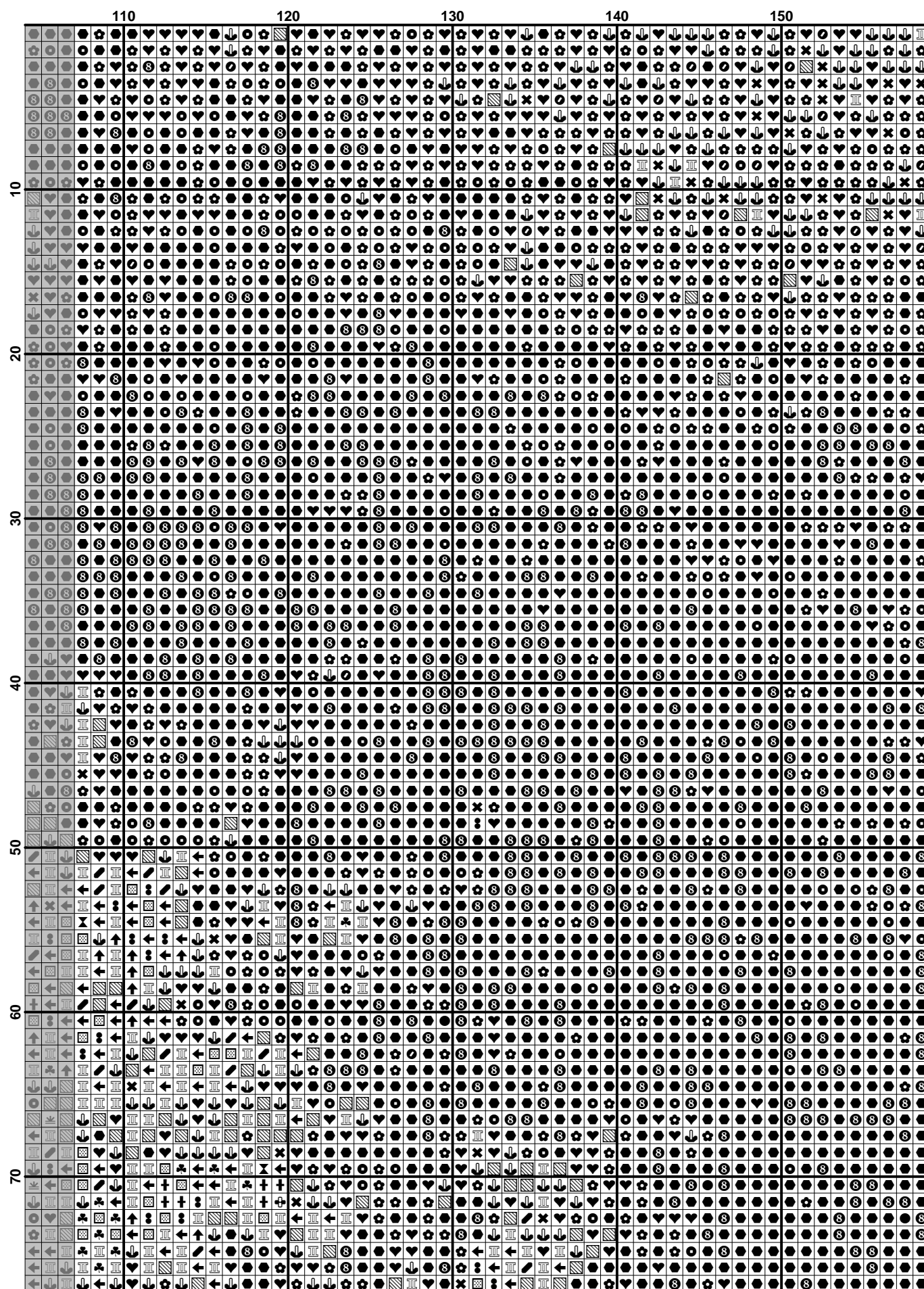
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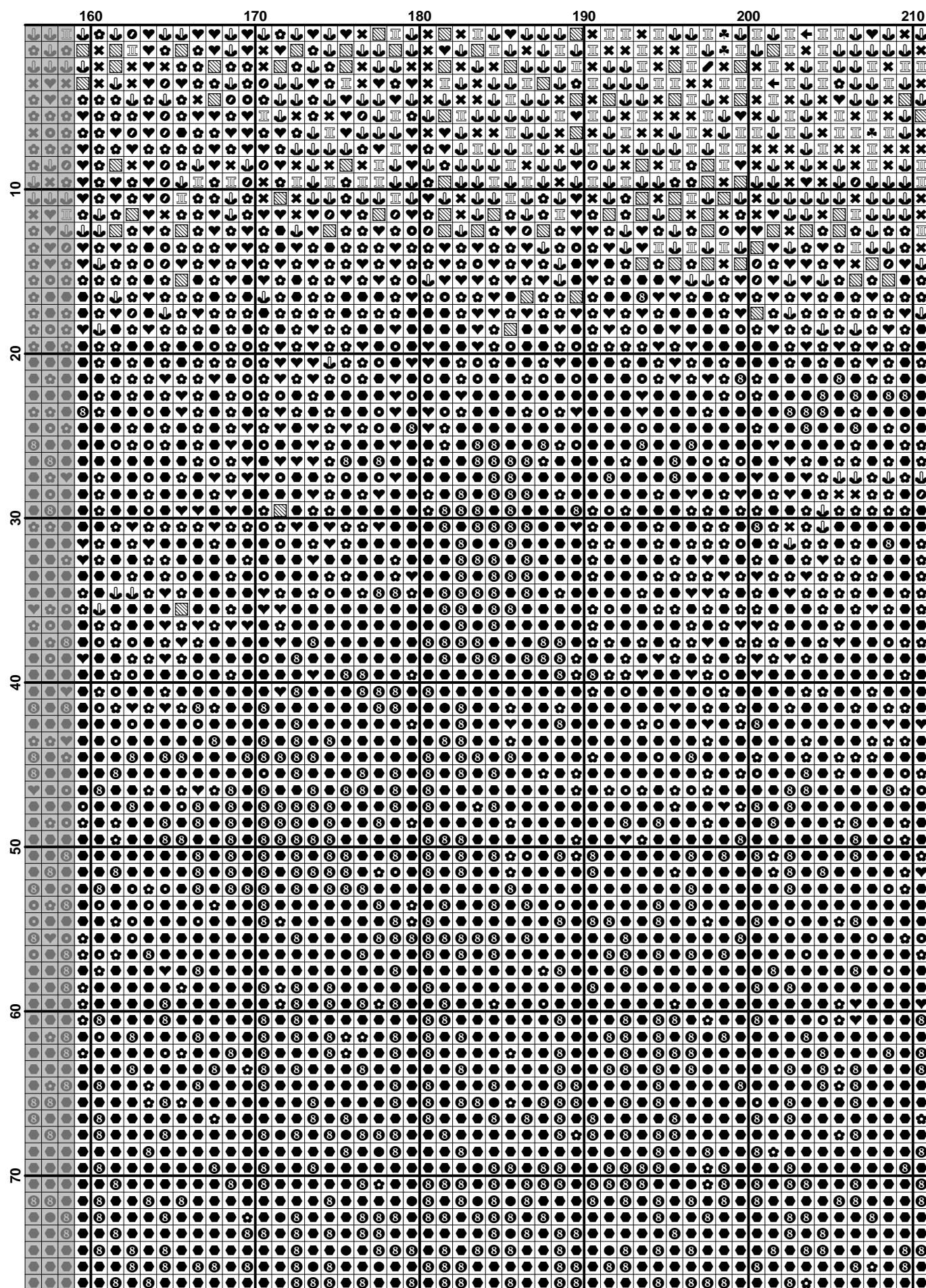
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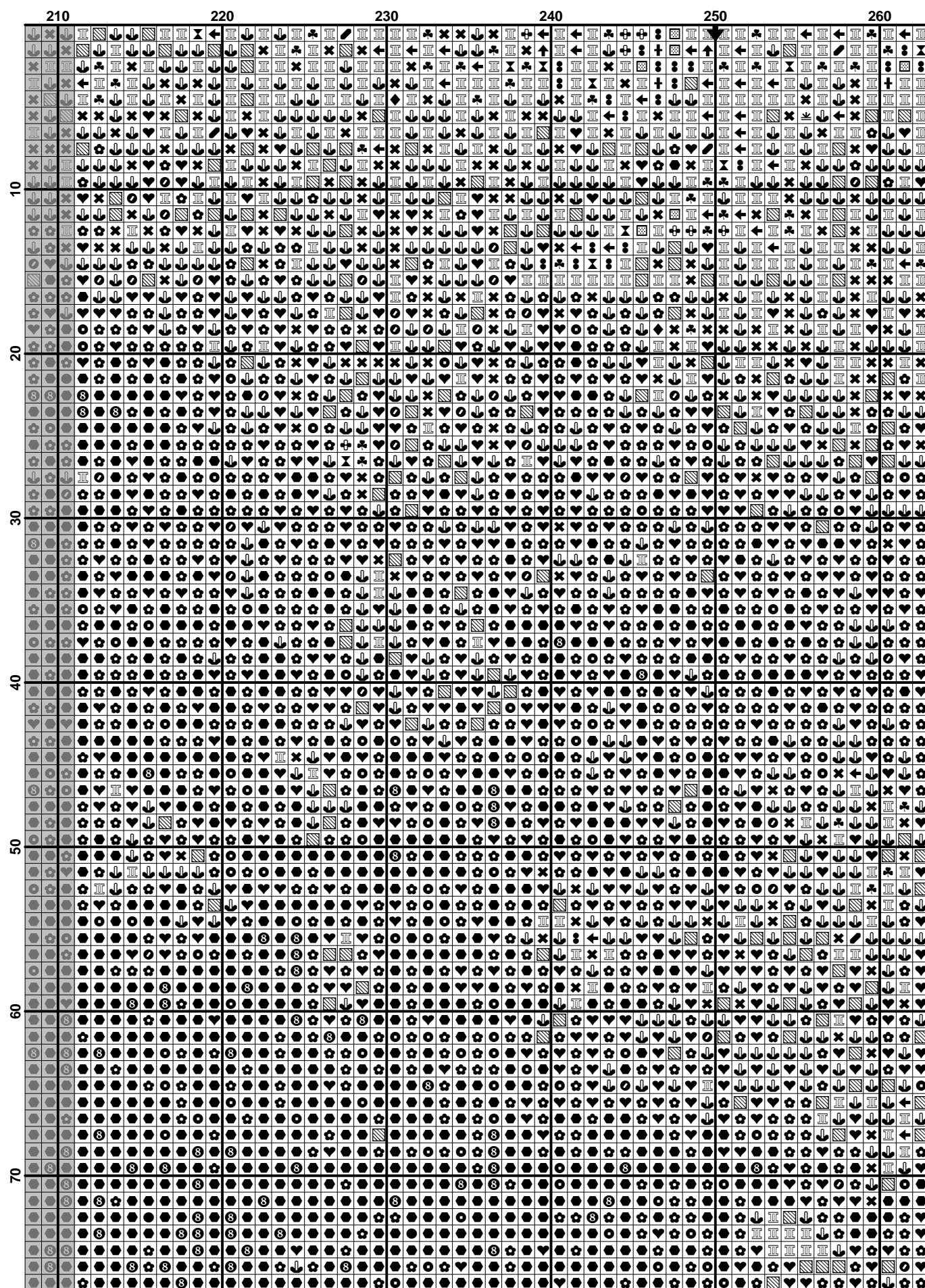
3064	Desert Sand	585	230	546	215	512	201
3078	Golden Yellow-VY LT	201	78	187	73	176	69
3341	Apricot	10	4	10	4	9	3
3348	Yellow Green-LT	5	1	4	1	4	1
3726	Antique Mauve-DK	619	244	578	227	542	213
3740	Antique Violet-DK	2039	802	1903	749	1784	702
3768	Gray Green-DK	667	262	622	245	583	230
3770	Tawny-VY LT	16	6	15	5	14	5
3772	Desert Sand-VY DK	41	16	38	15	36	14
3778	Terra Cotta-LT	34	13	32	12	30	11
3782	Mocha Brown-LT	882	347	823	324	772	304
3787	Brown Gray-DK	2379	937	2221	874	2082	820
3790	Beige Gray-UL DK	612	240	571	224	536	210
3799	Pewter Gray-VY DK	6910	2720	6449	2539	6046	2380
3823	Yellow-UL Pale	860	338	802	316	752	296
3825	Pumpkin-Pale	76	30	71	28	66	26
3828	Hazelnut Brown	71	28	66	26	62	24
3855	Autumn Gold-LT	87	34	81	32	76	30
3856	Mahogany-UL VY LT	332	131	310	122	291	114
3859	Rosewood-LT	635	249	593	233	556	218
3860	Cocoa	2358	928	2201	866	2063	812
3861	Cocoa-LT	276	109	258	101	242	95
3862	Mocha Beige-DK	306	120	286	112	268	105
3863	Mocha Beige-MD	1356	534	1266	498	1187	467
3864	Mocha Beige-LT	1366	537	1275	502	1195	470
Ecru	Ecru	33	13	31	12	29	11

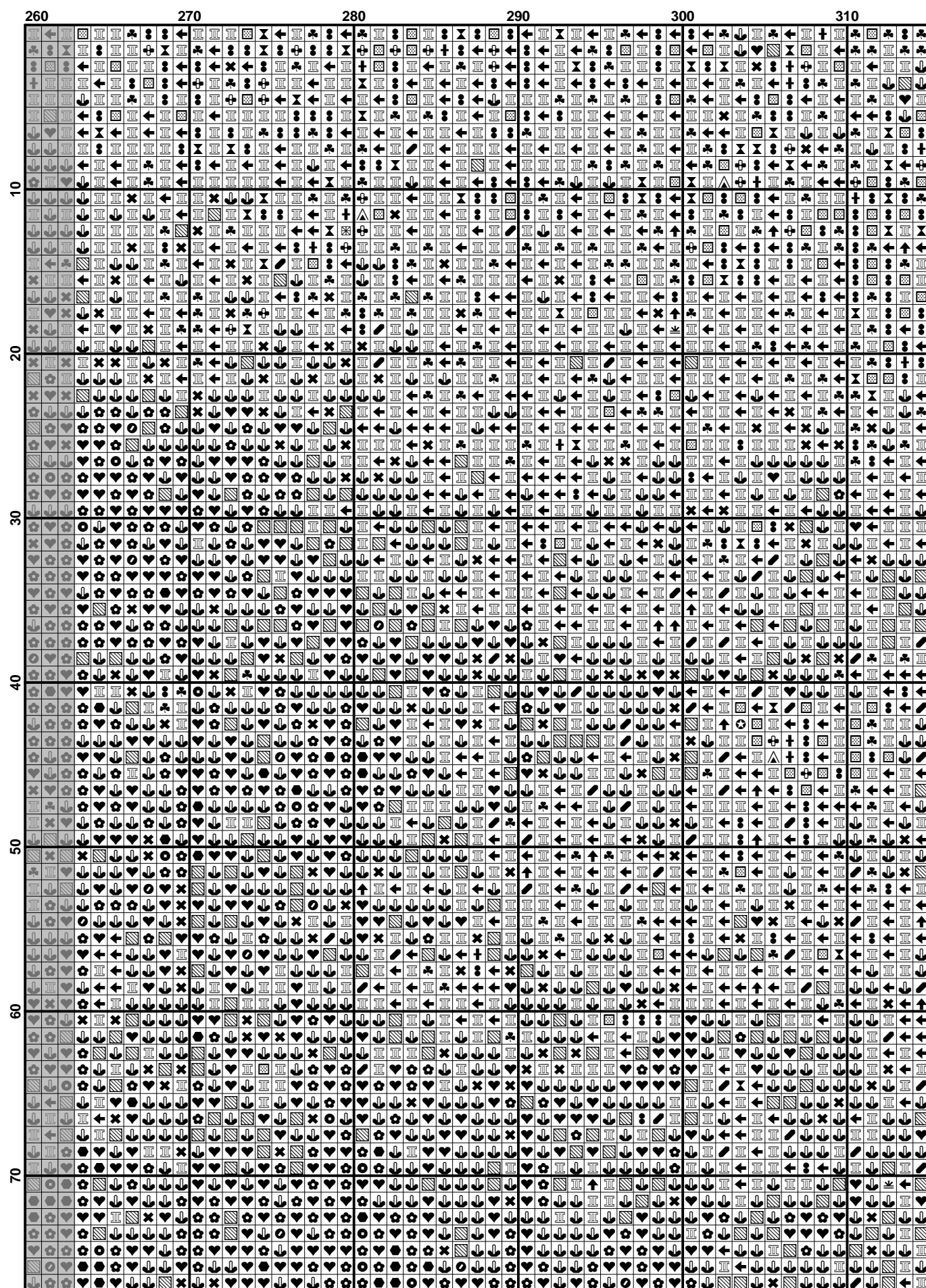


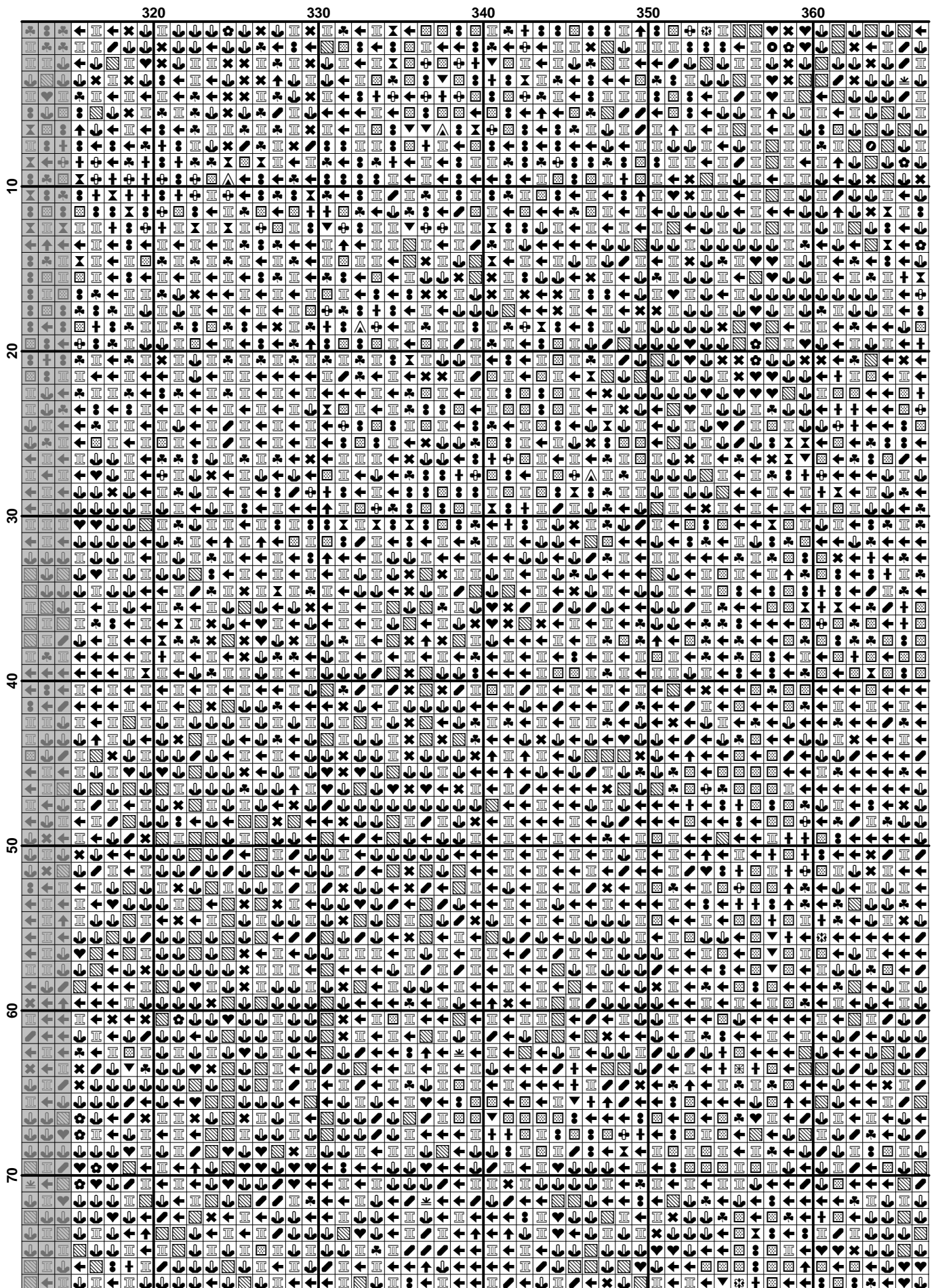


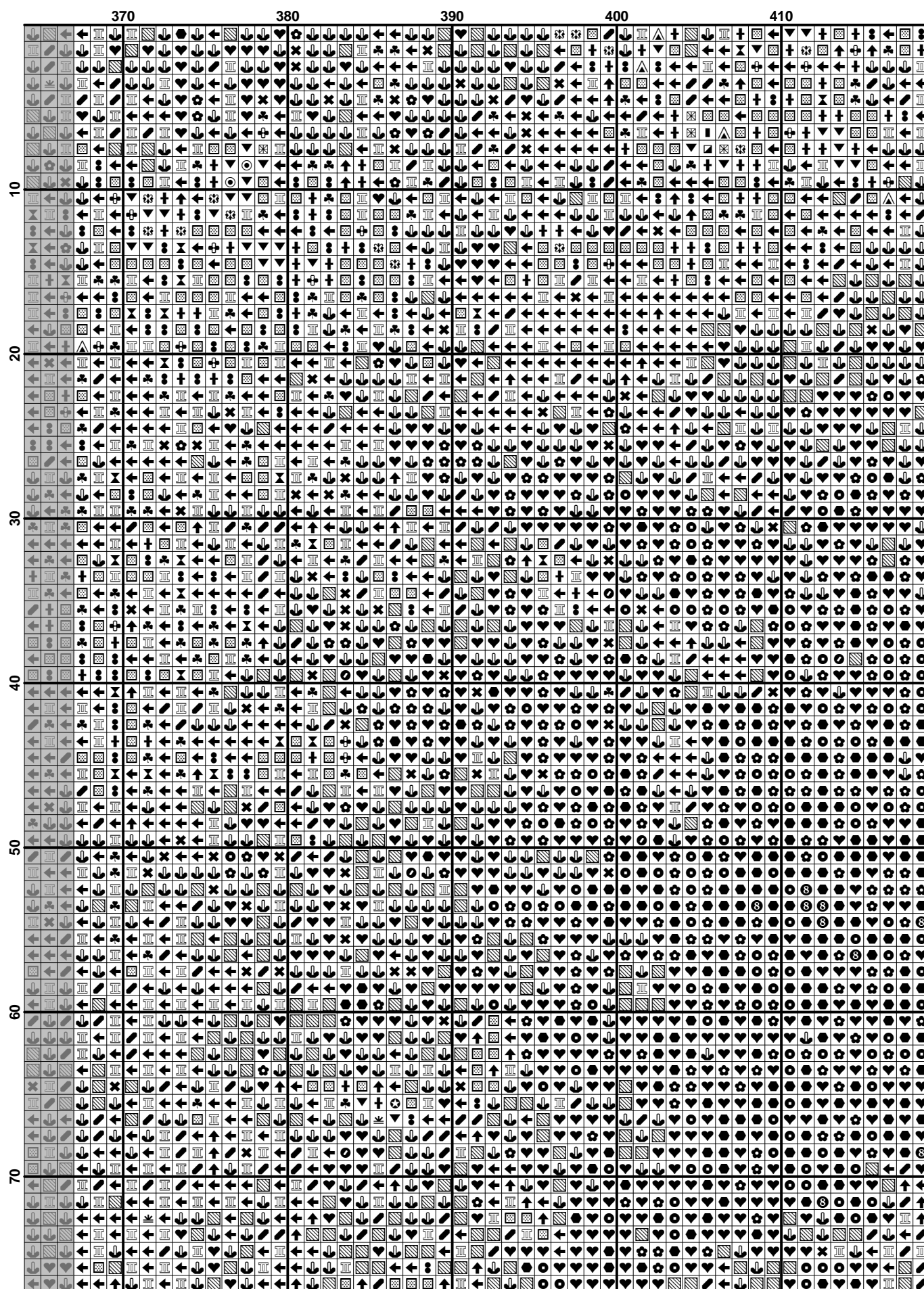


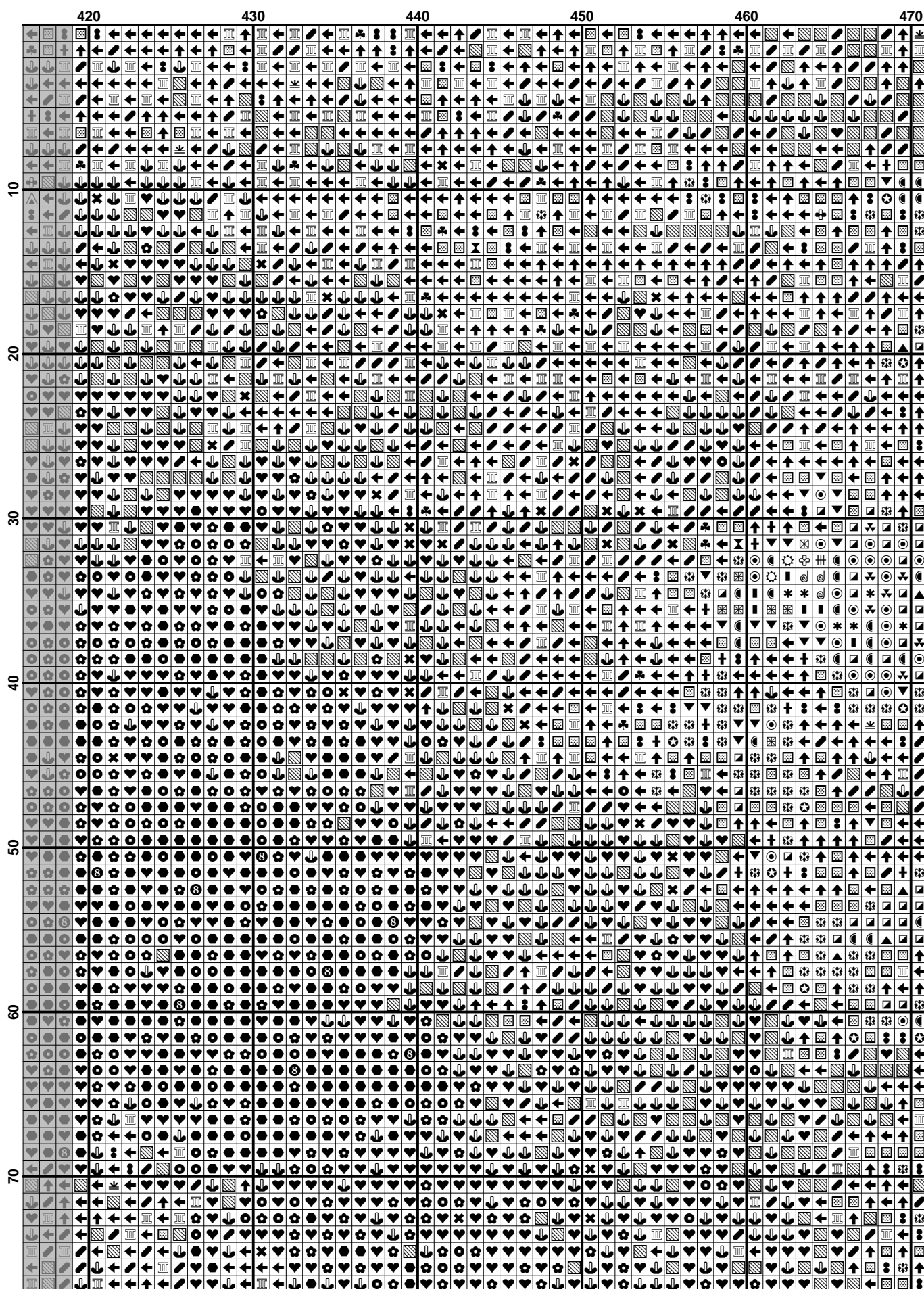


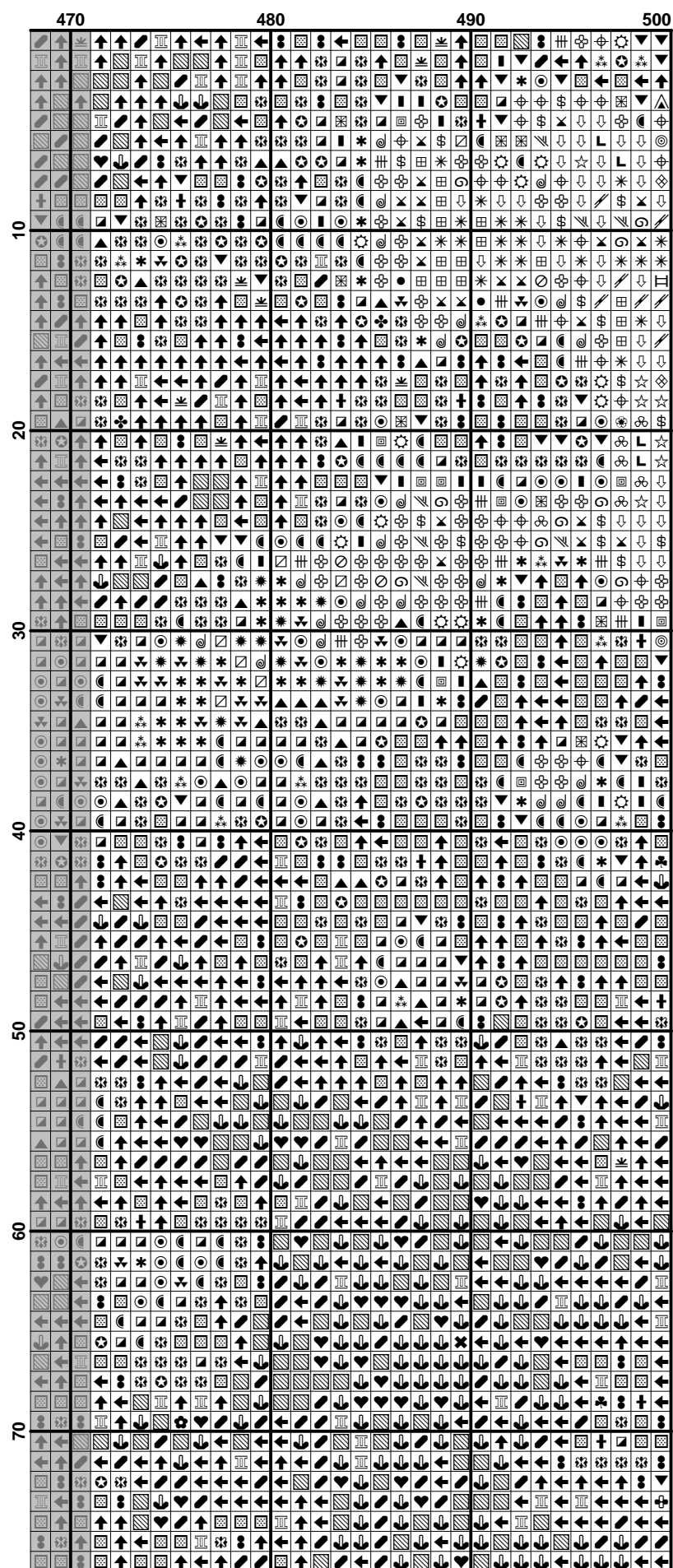


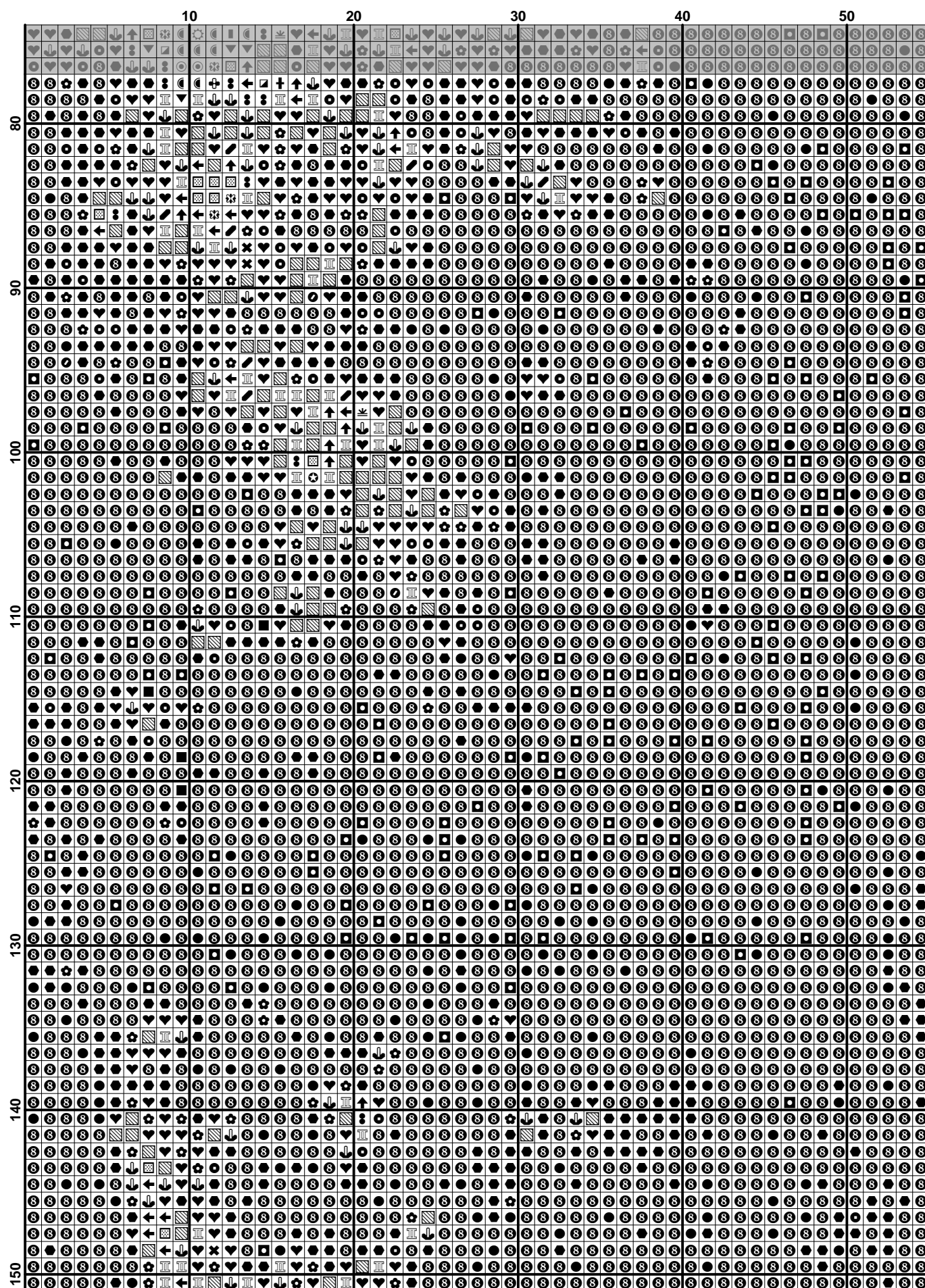


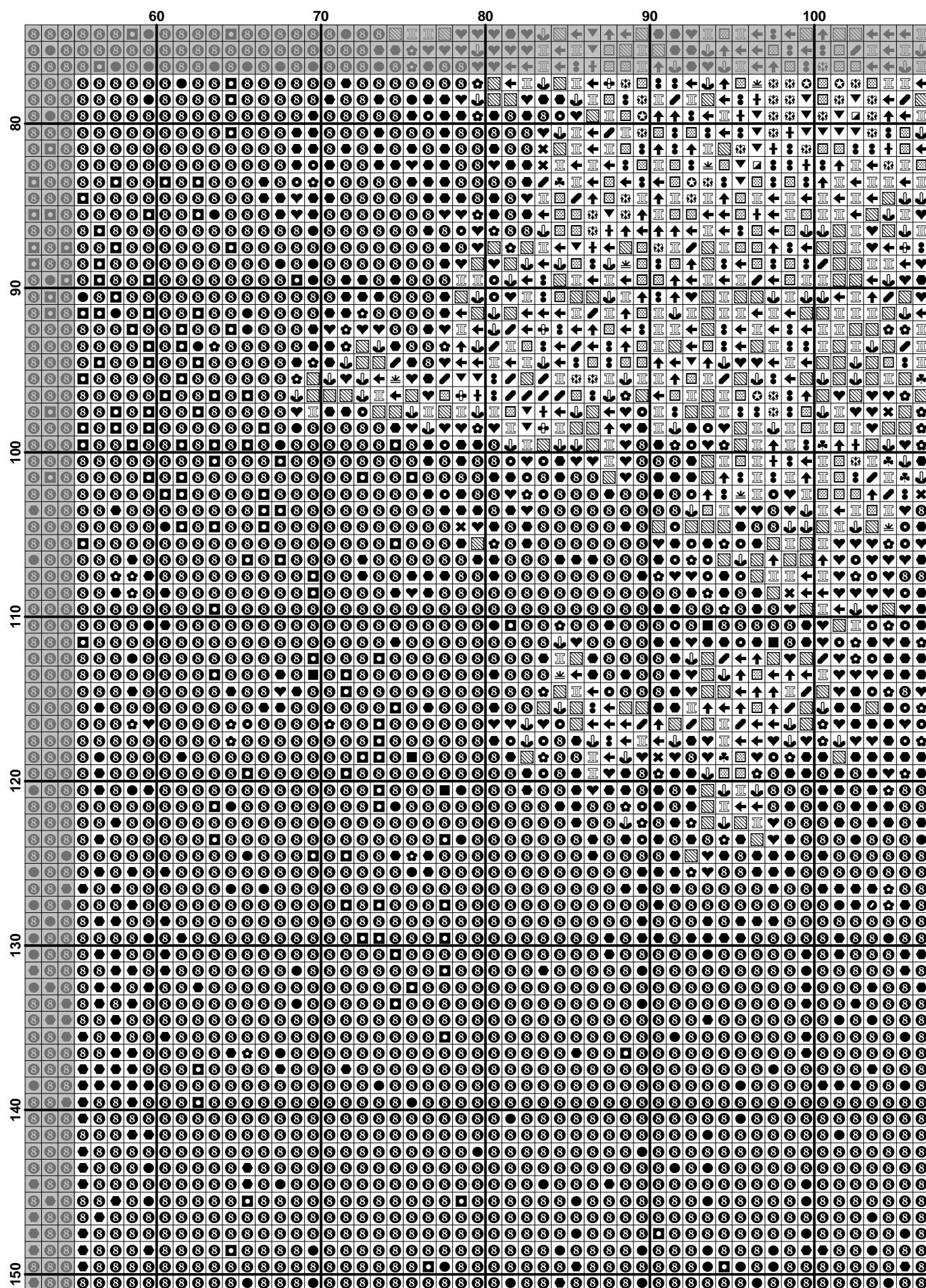


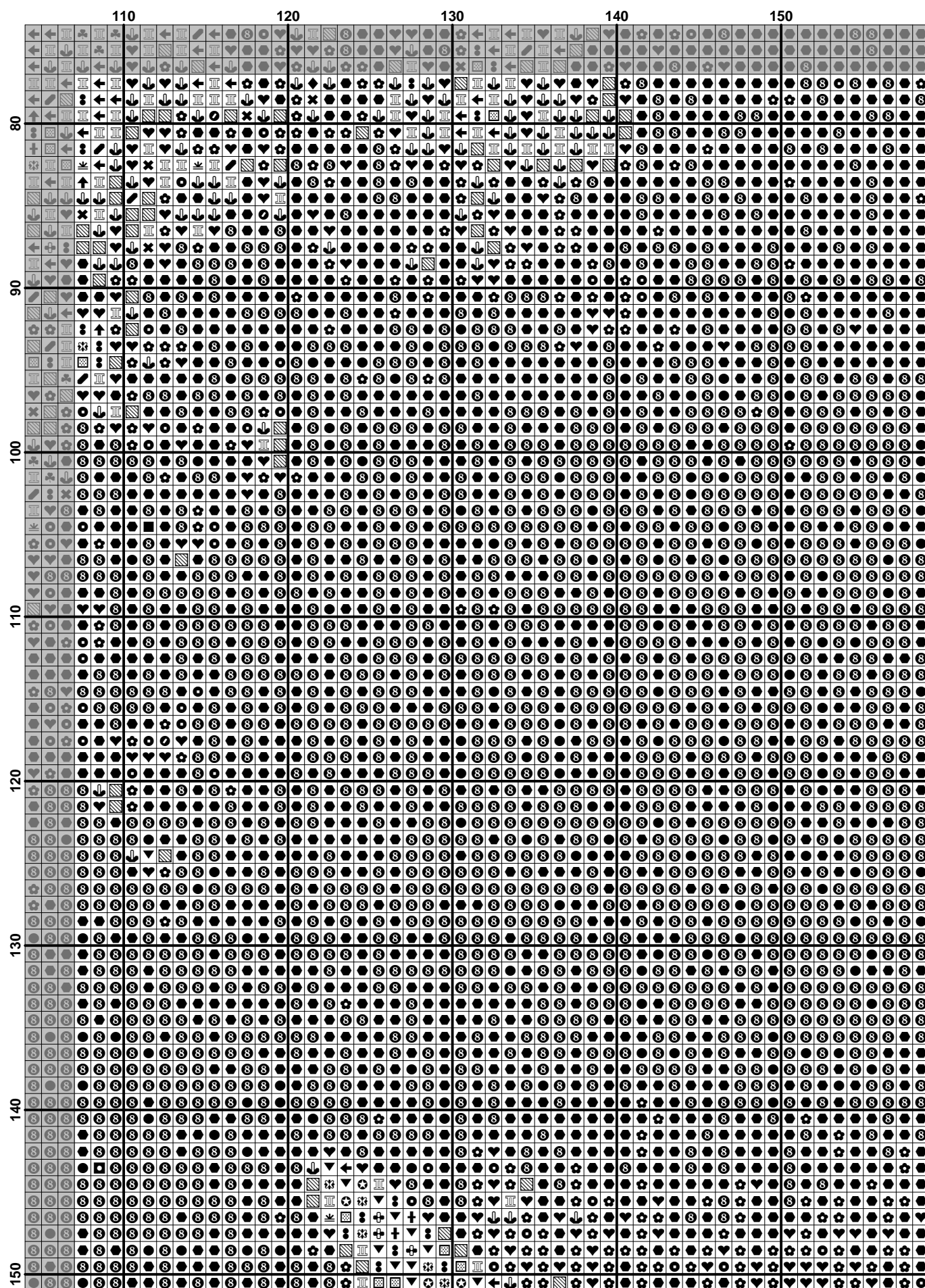


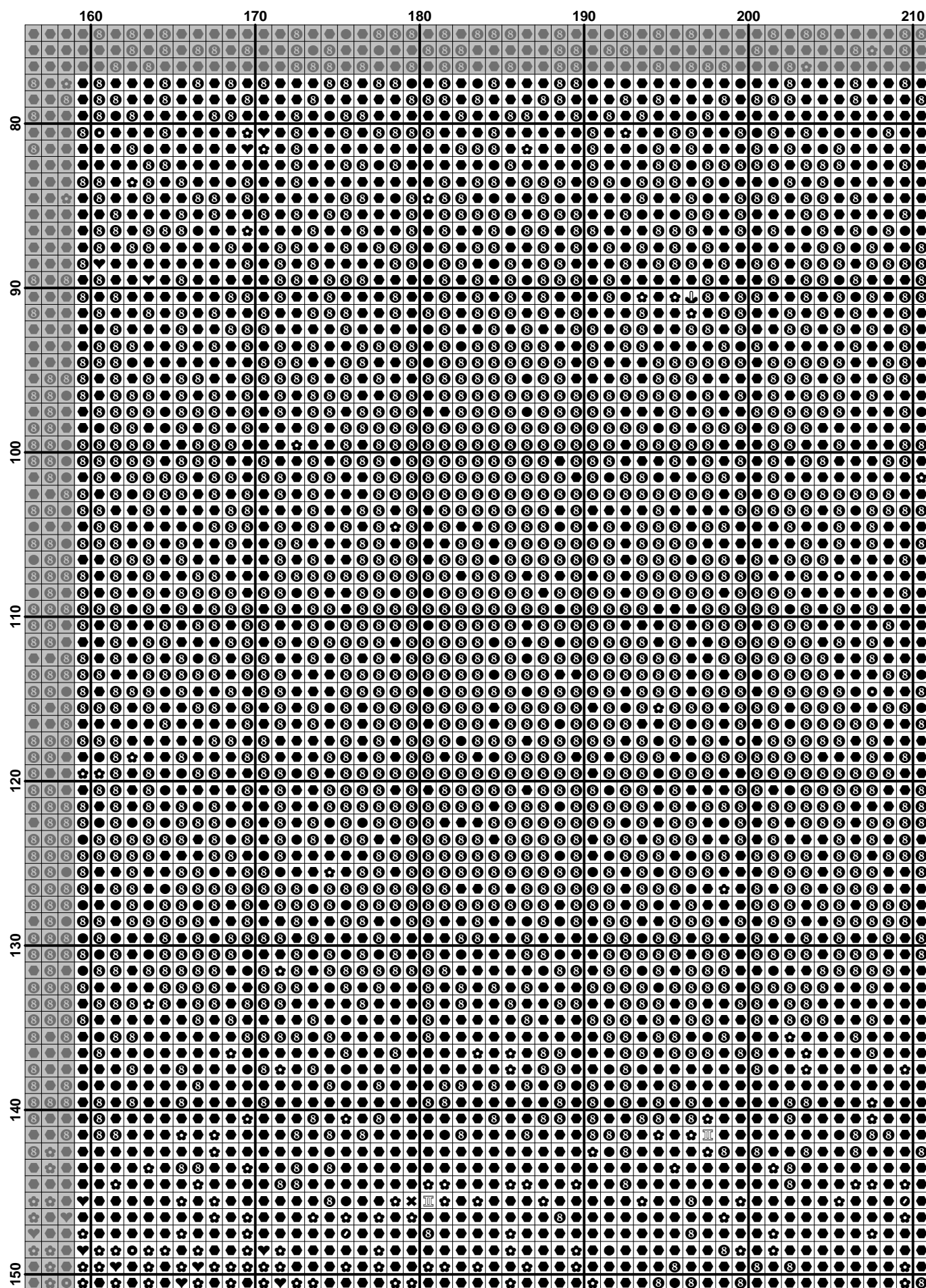


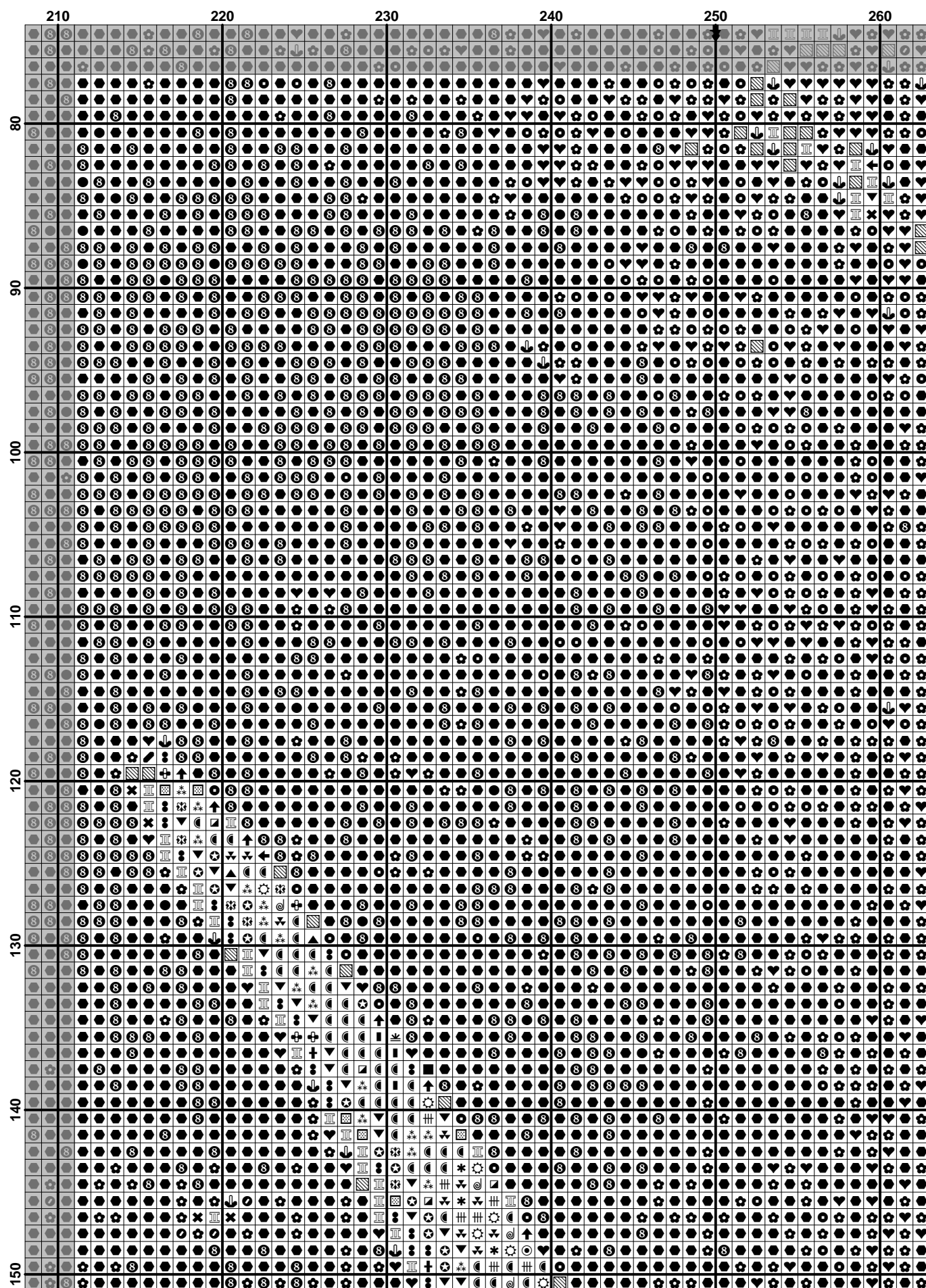


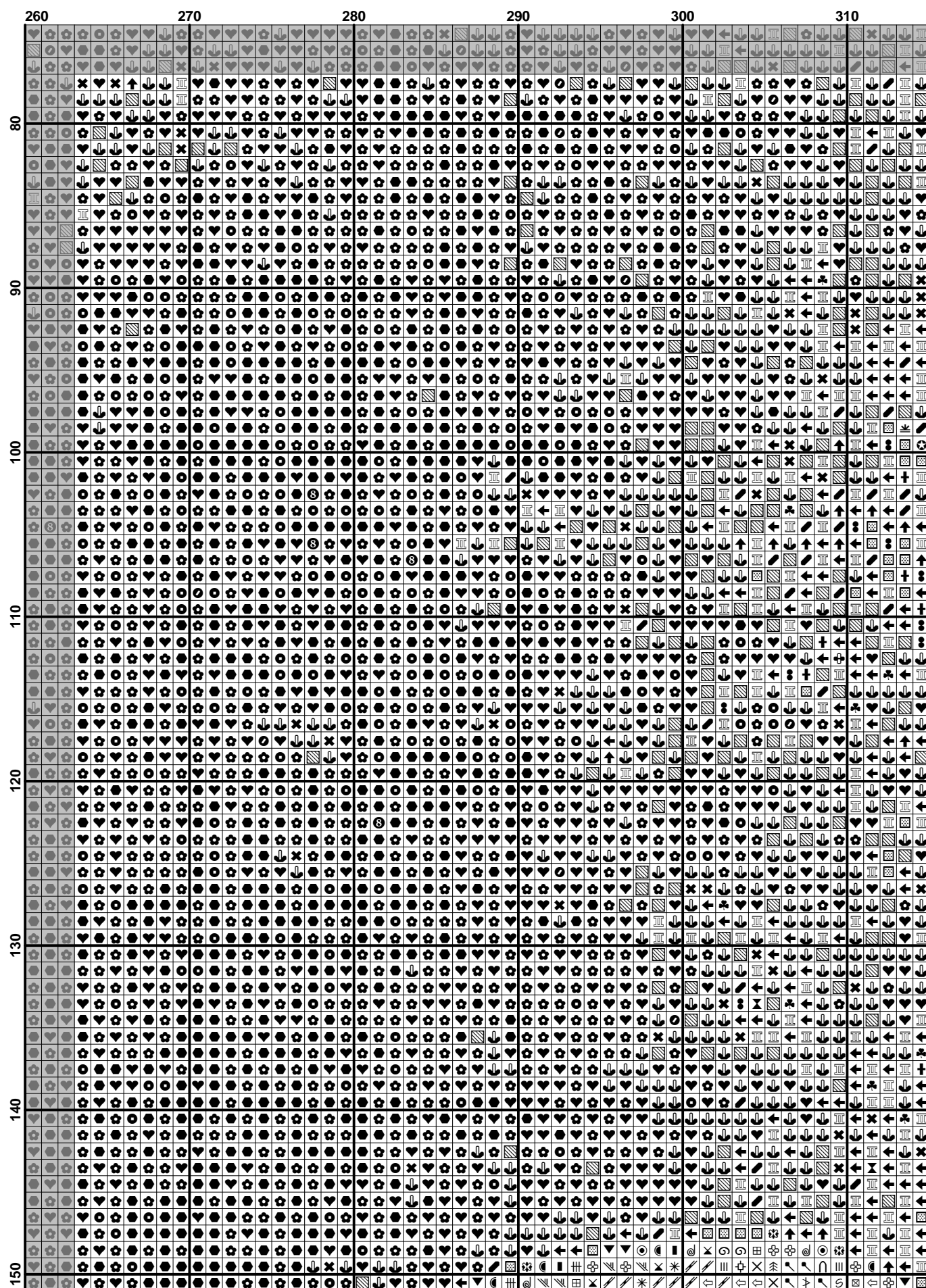


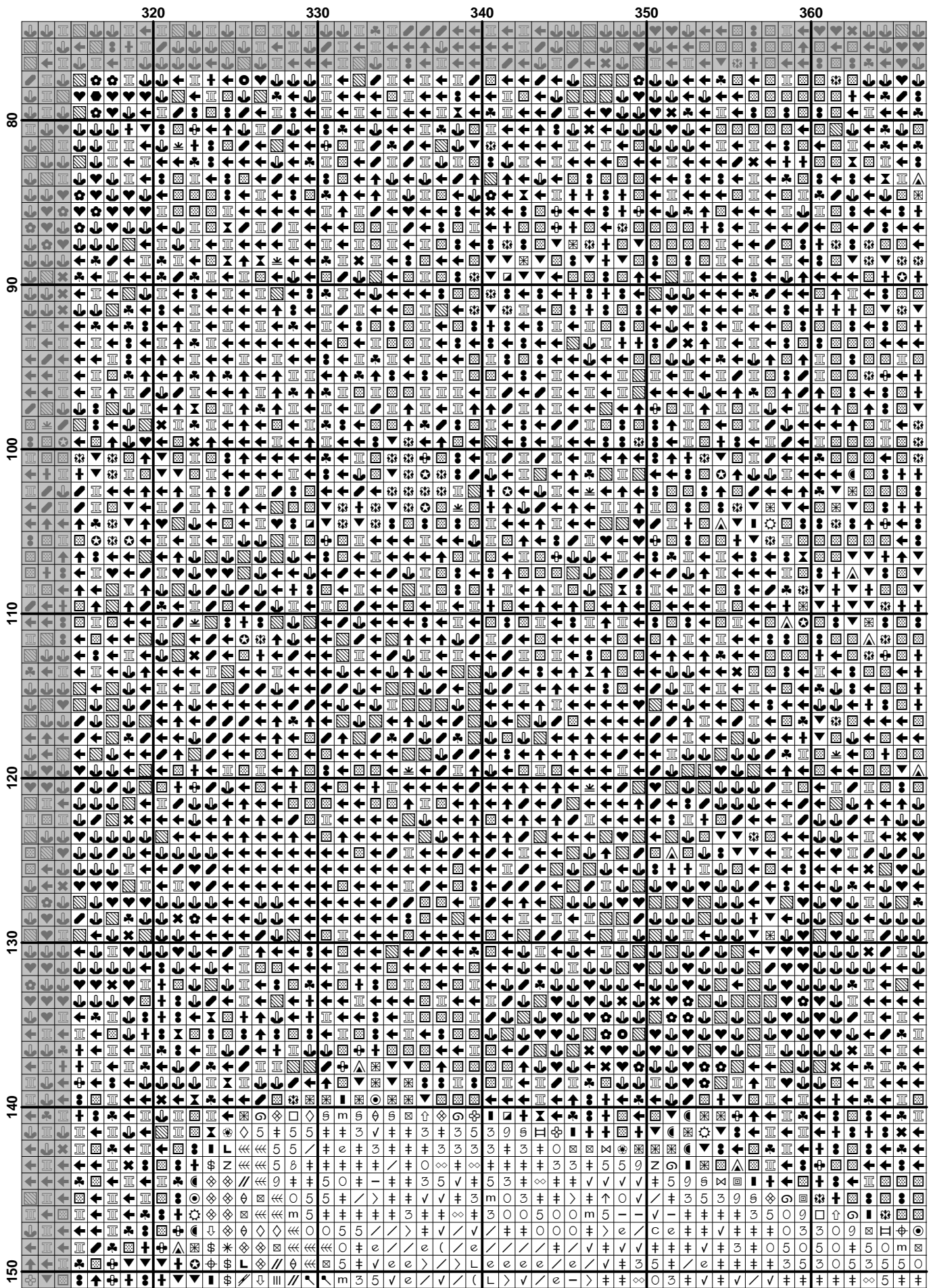


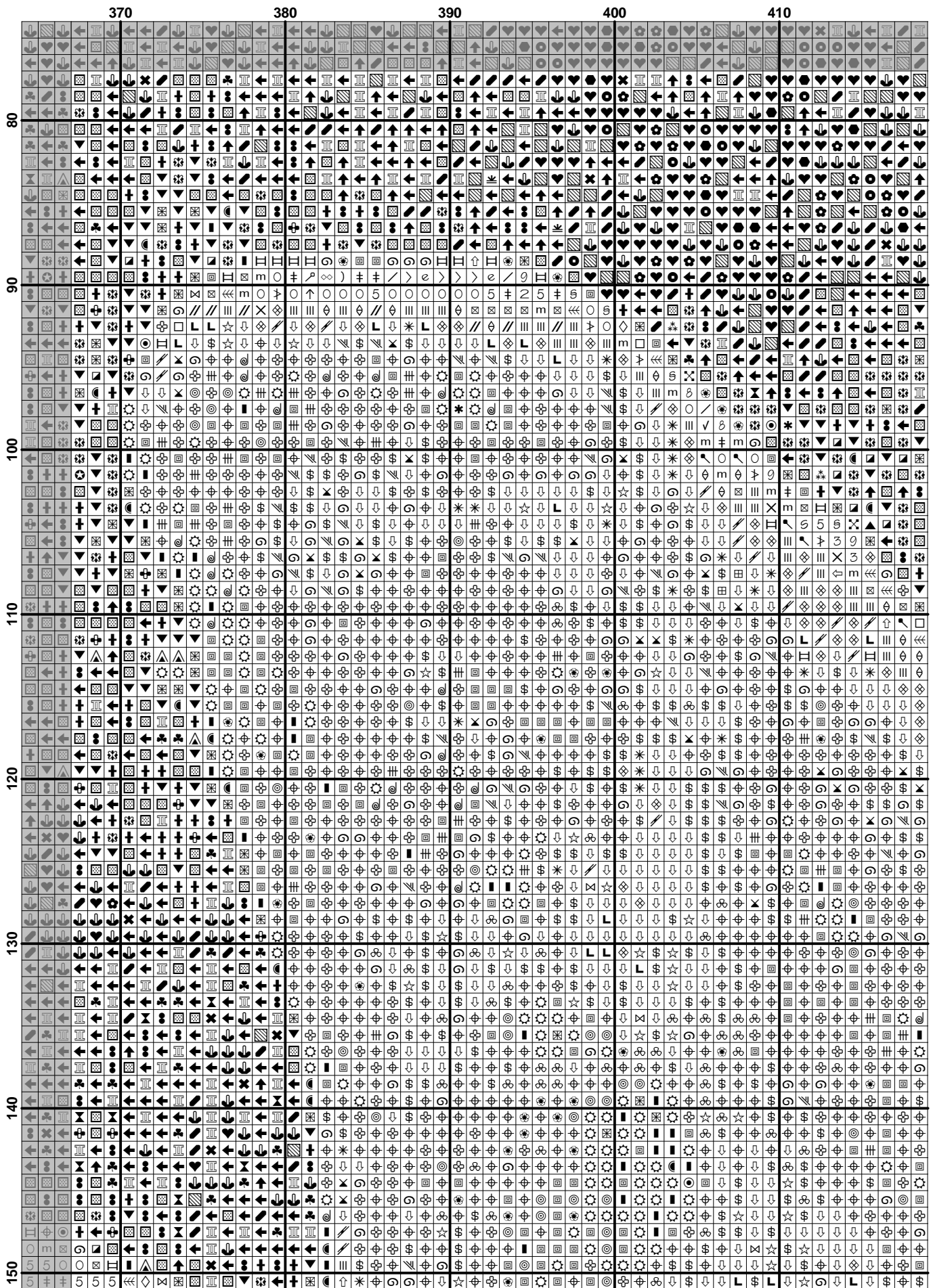


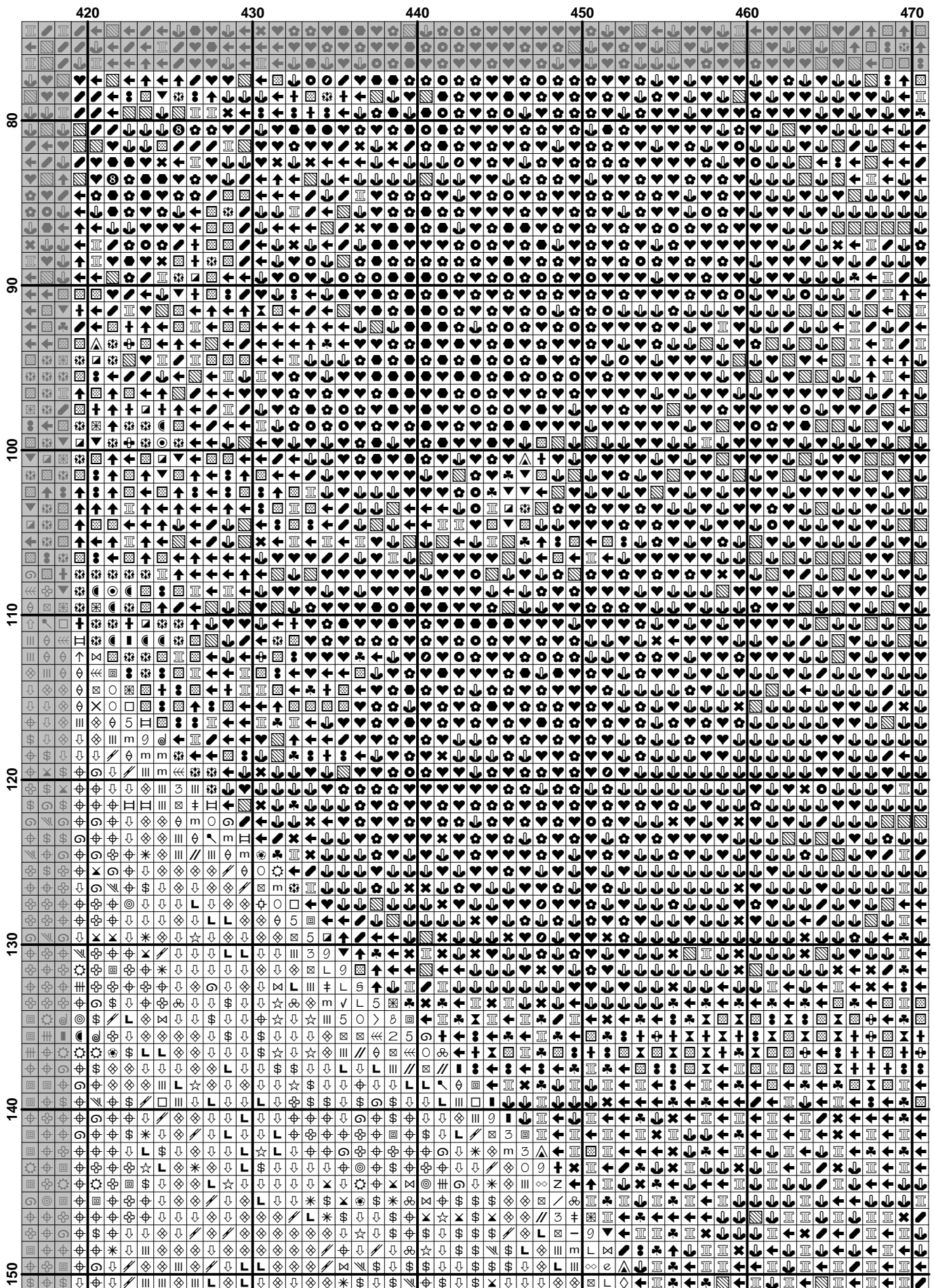


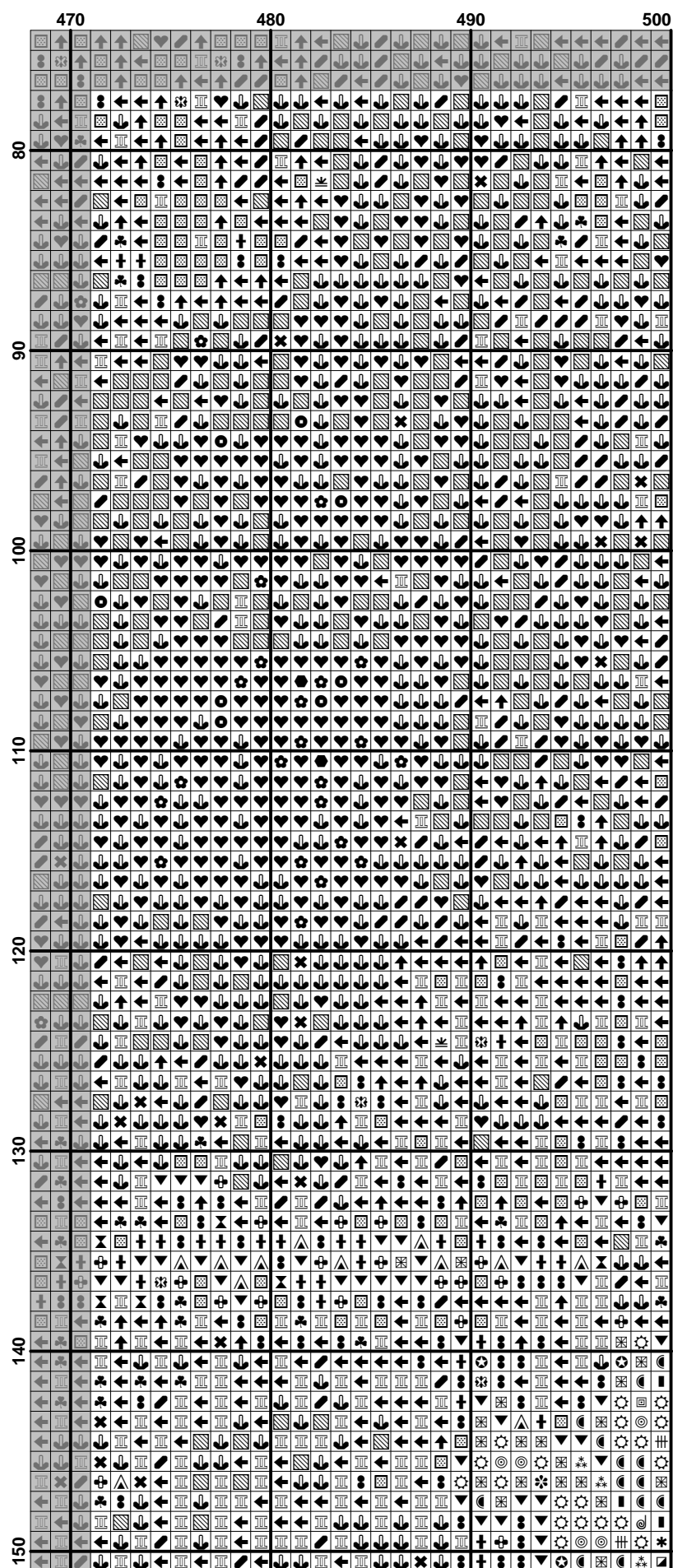


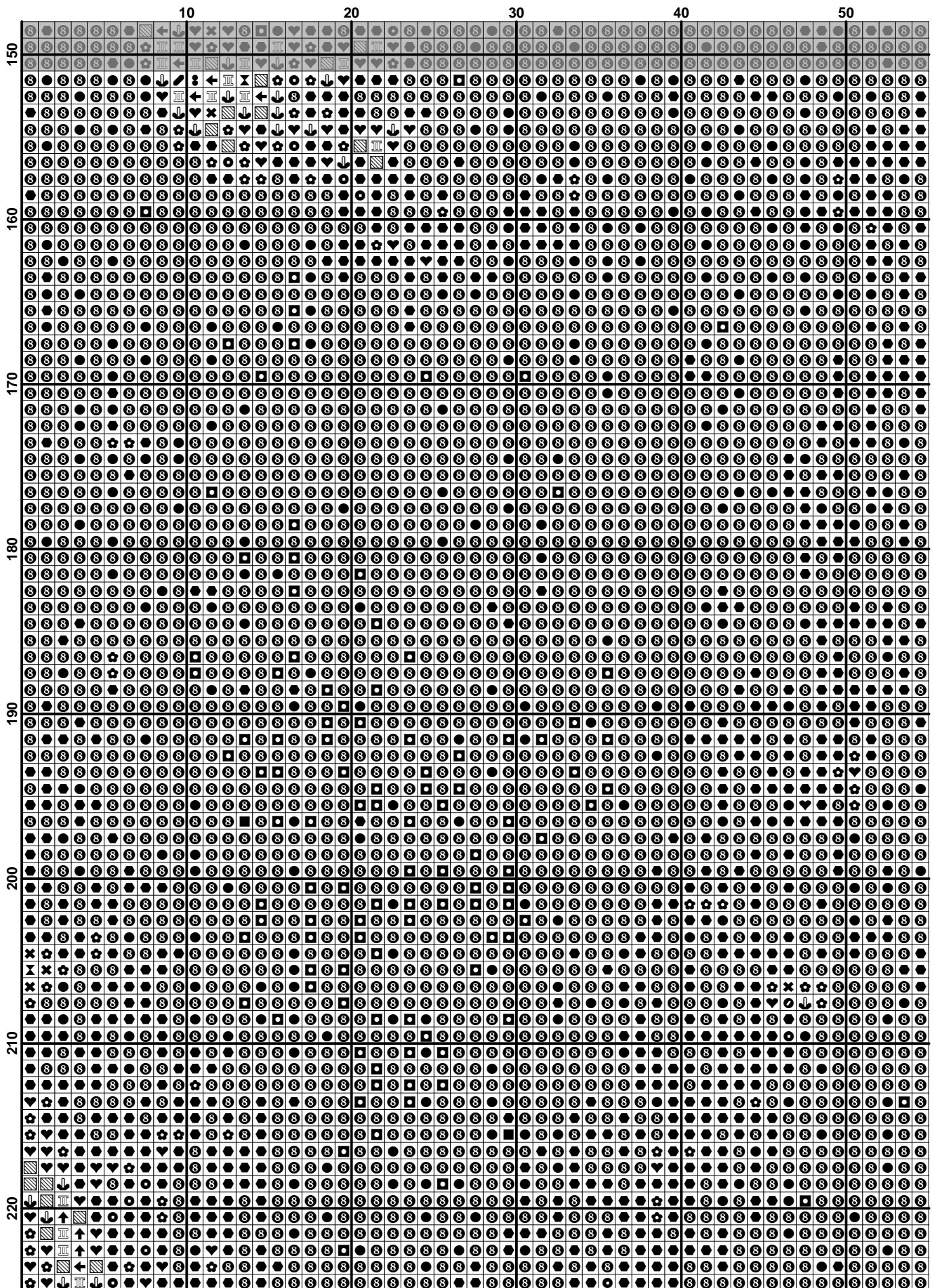


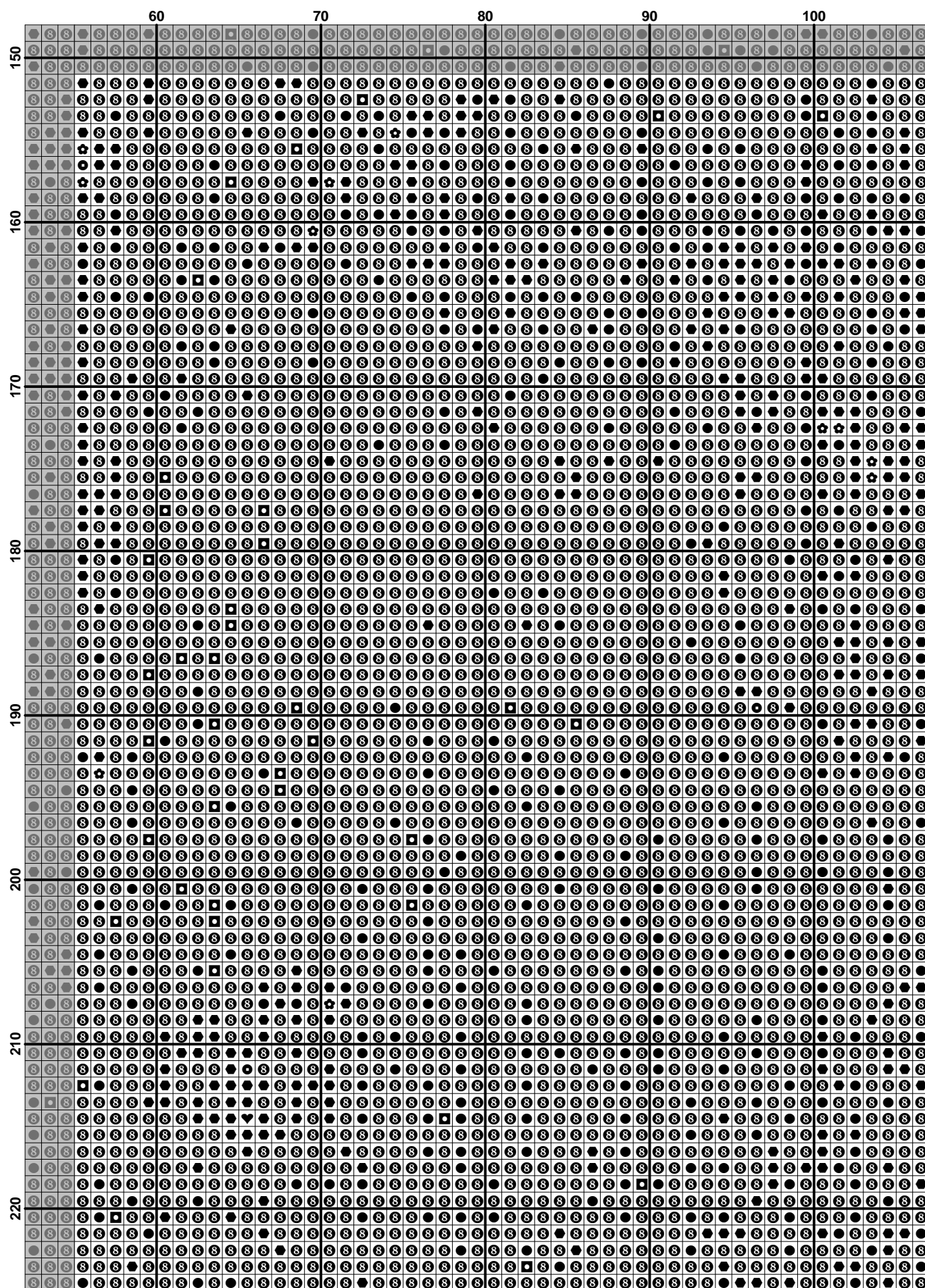


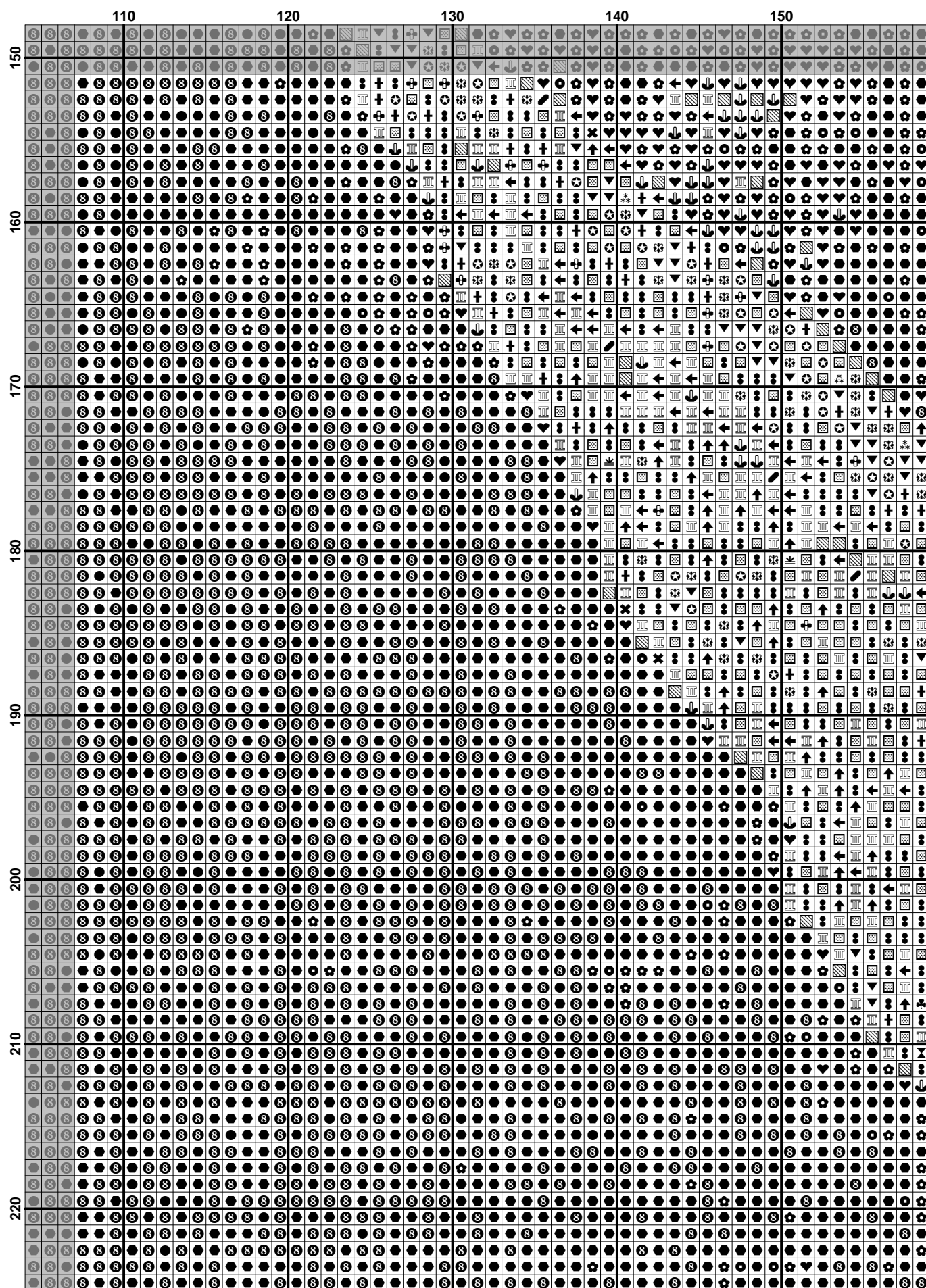


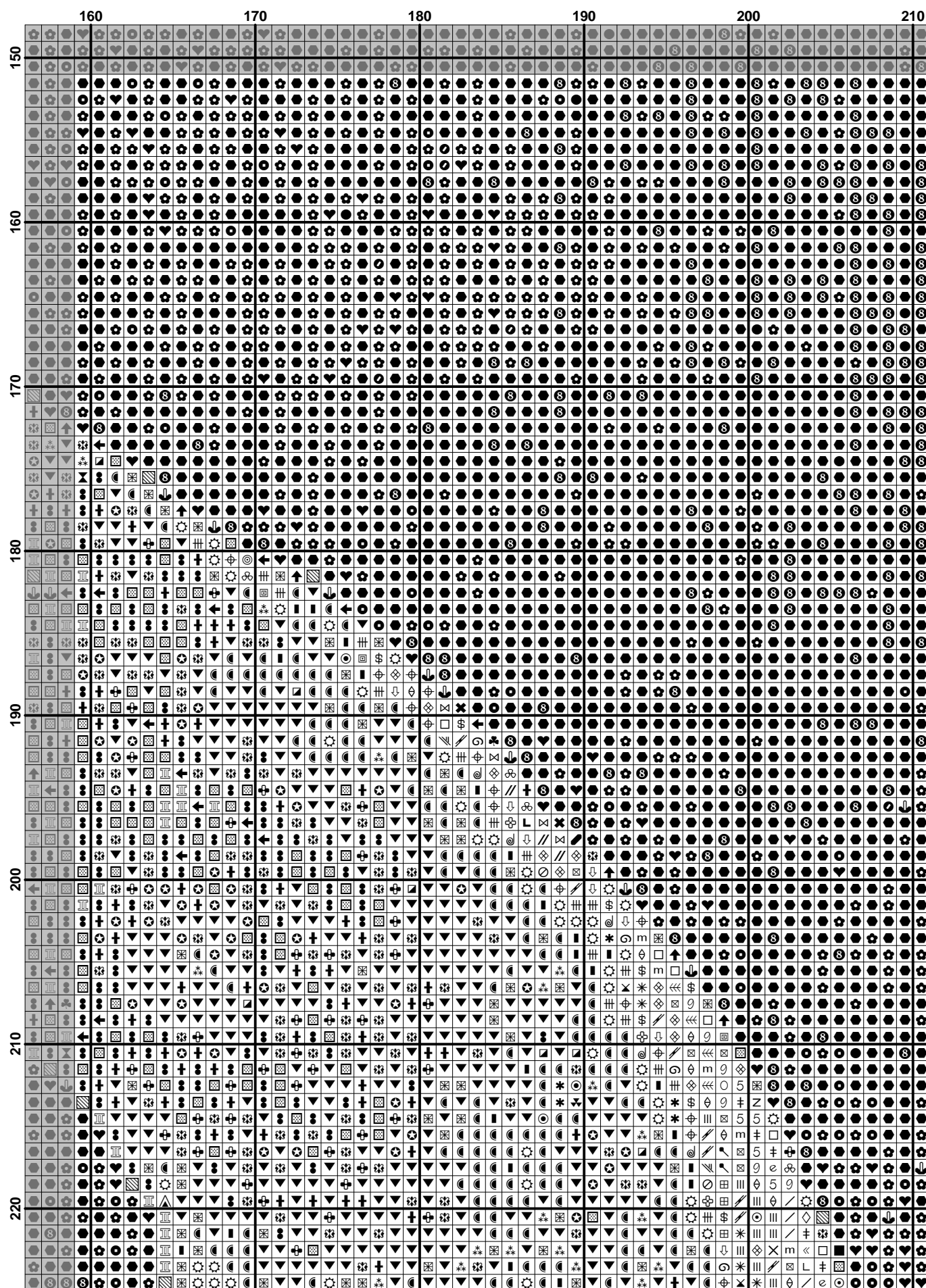


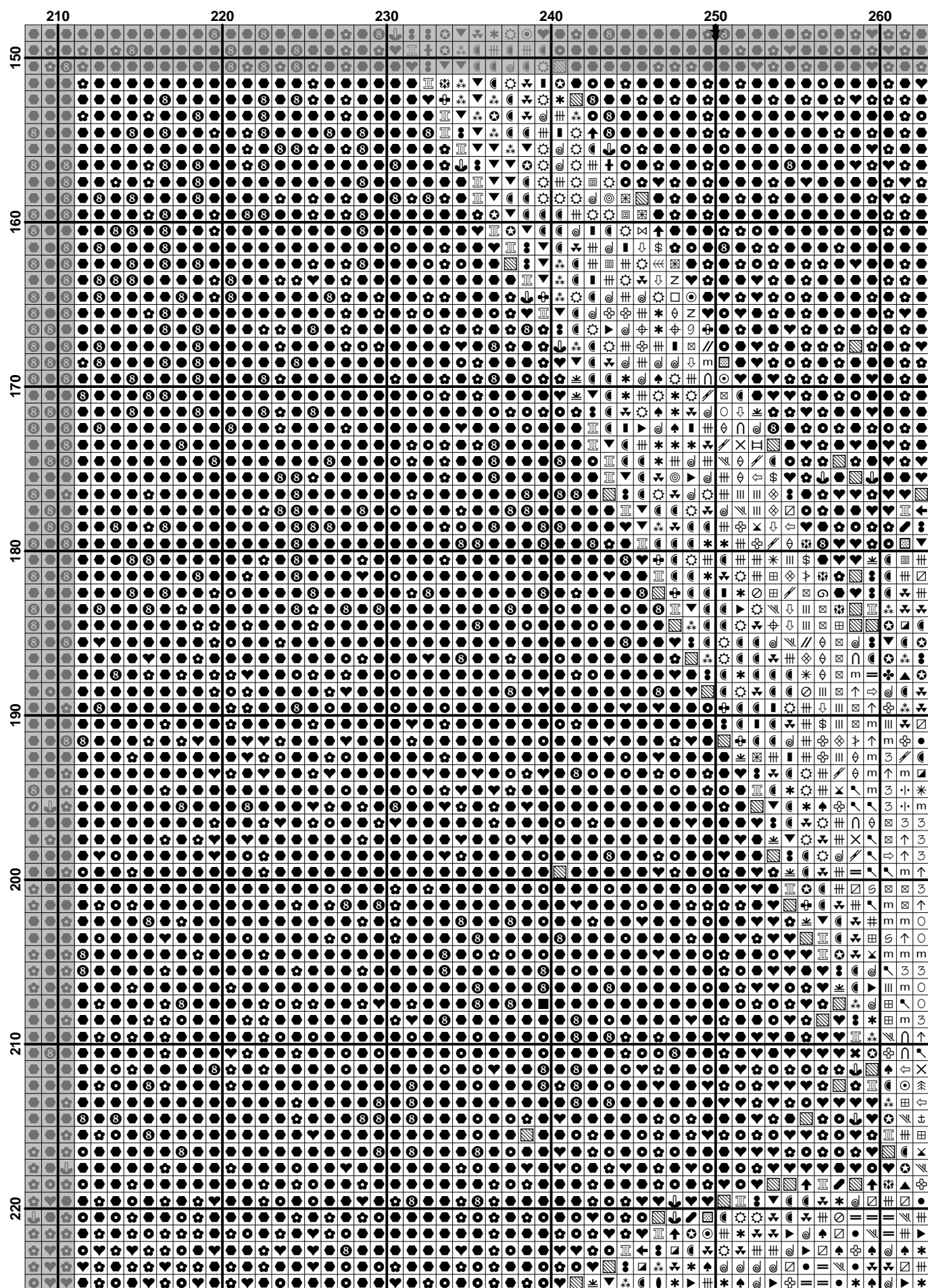


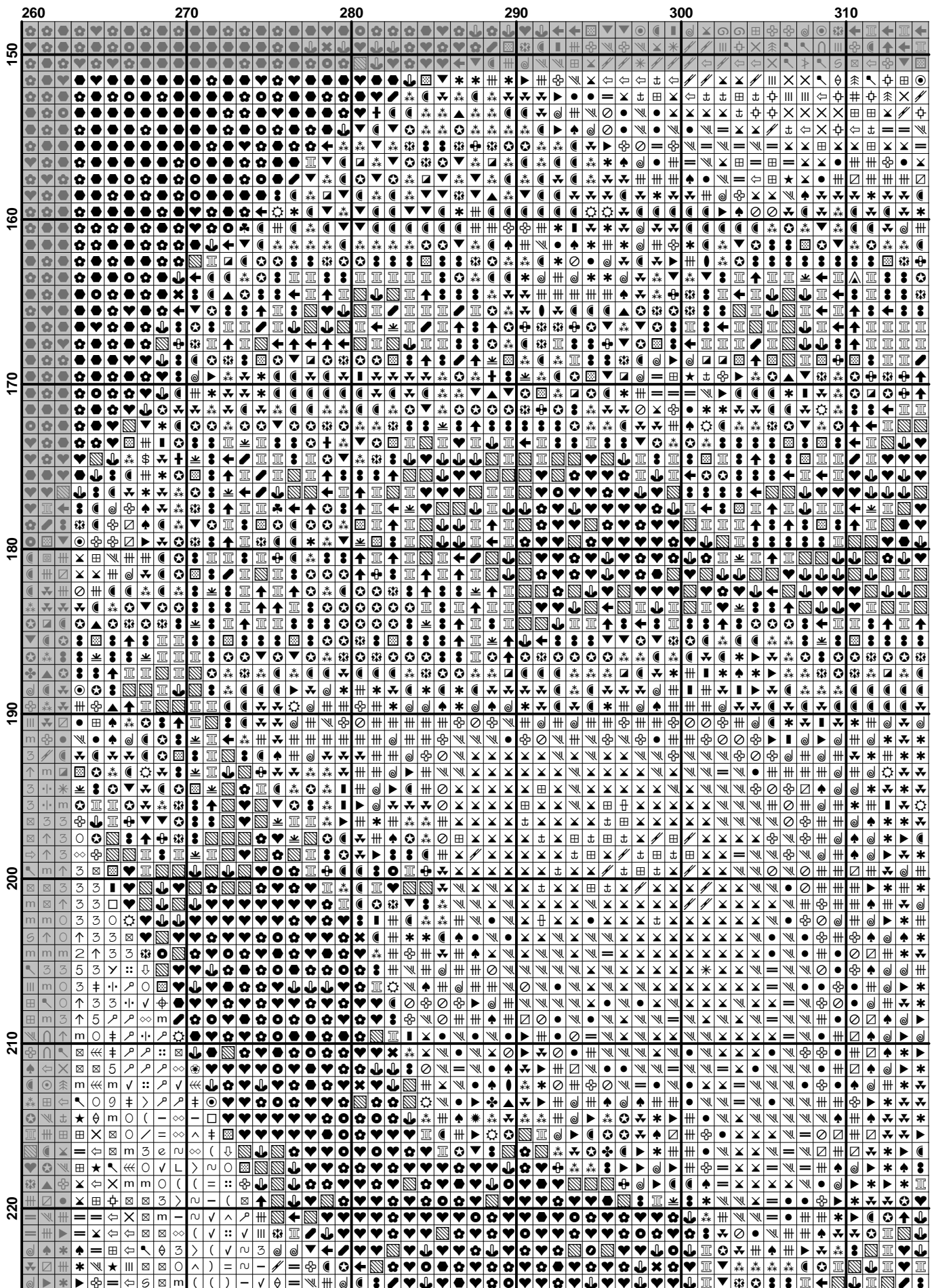


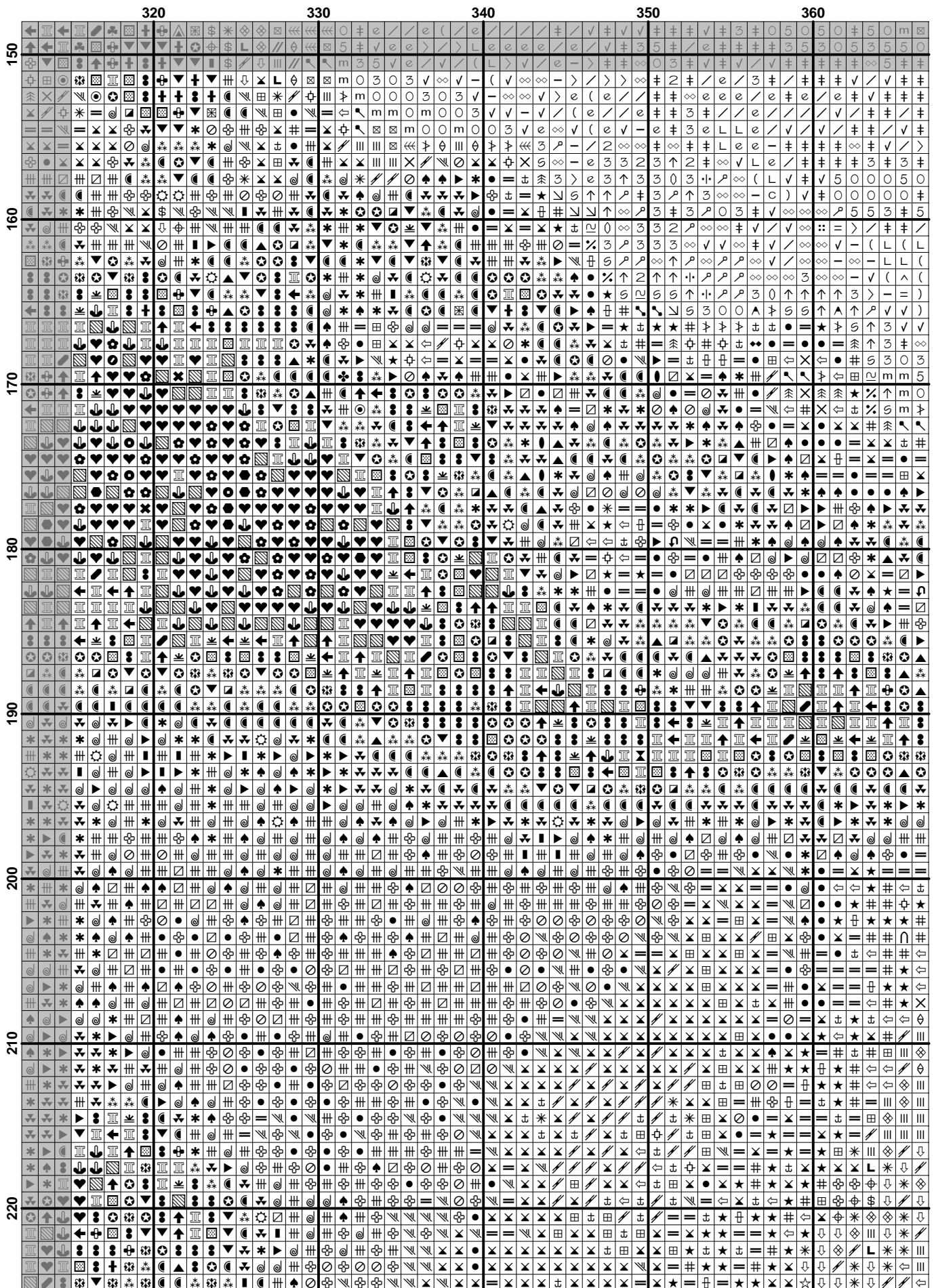






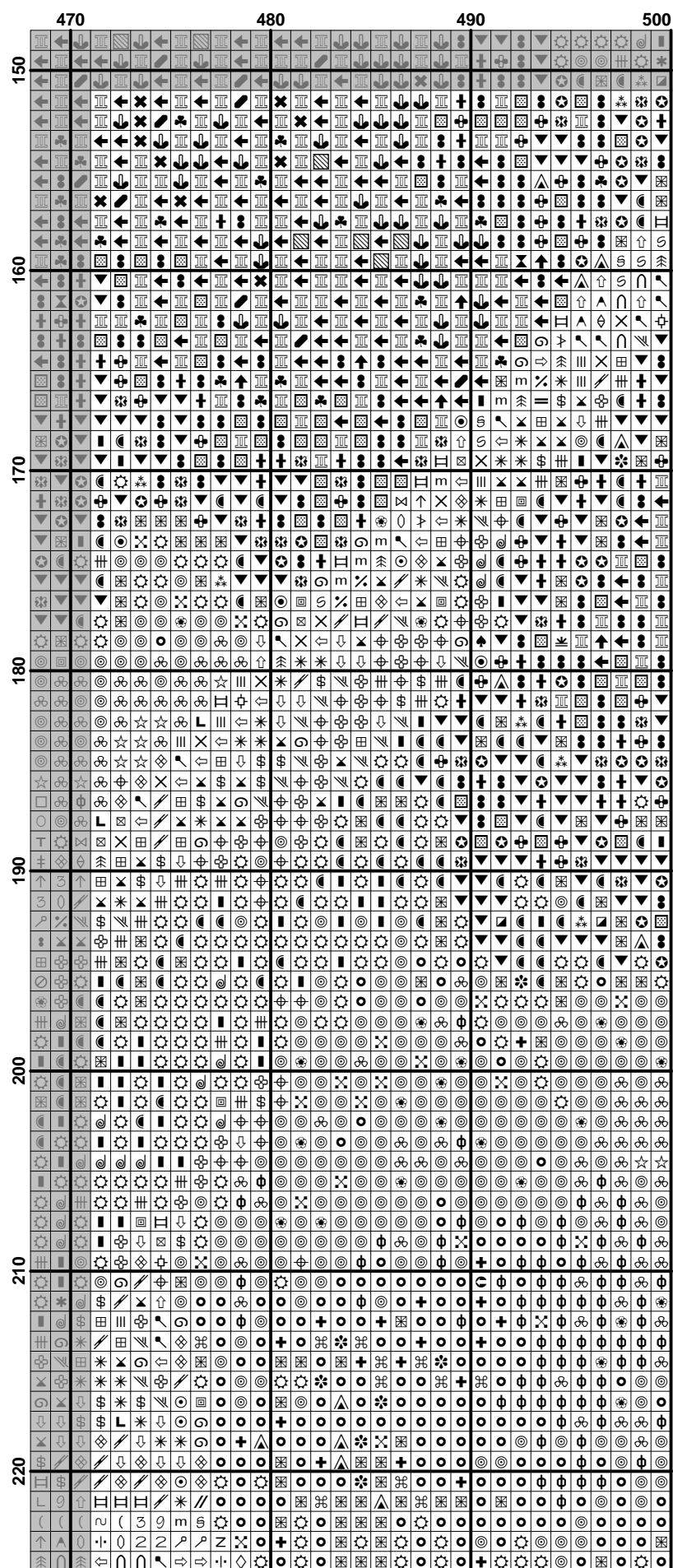


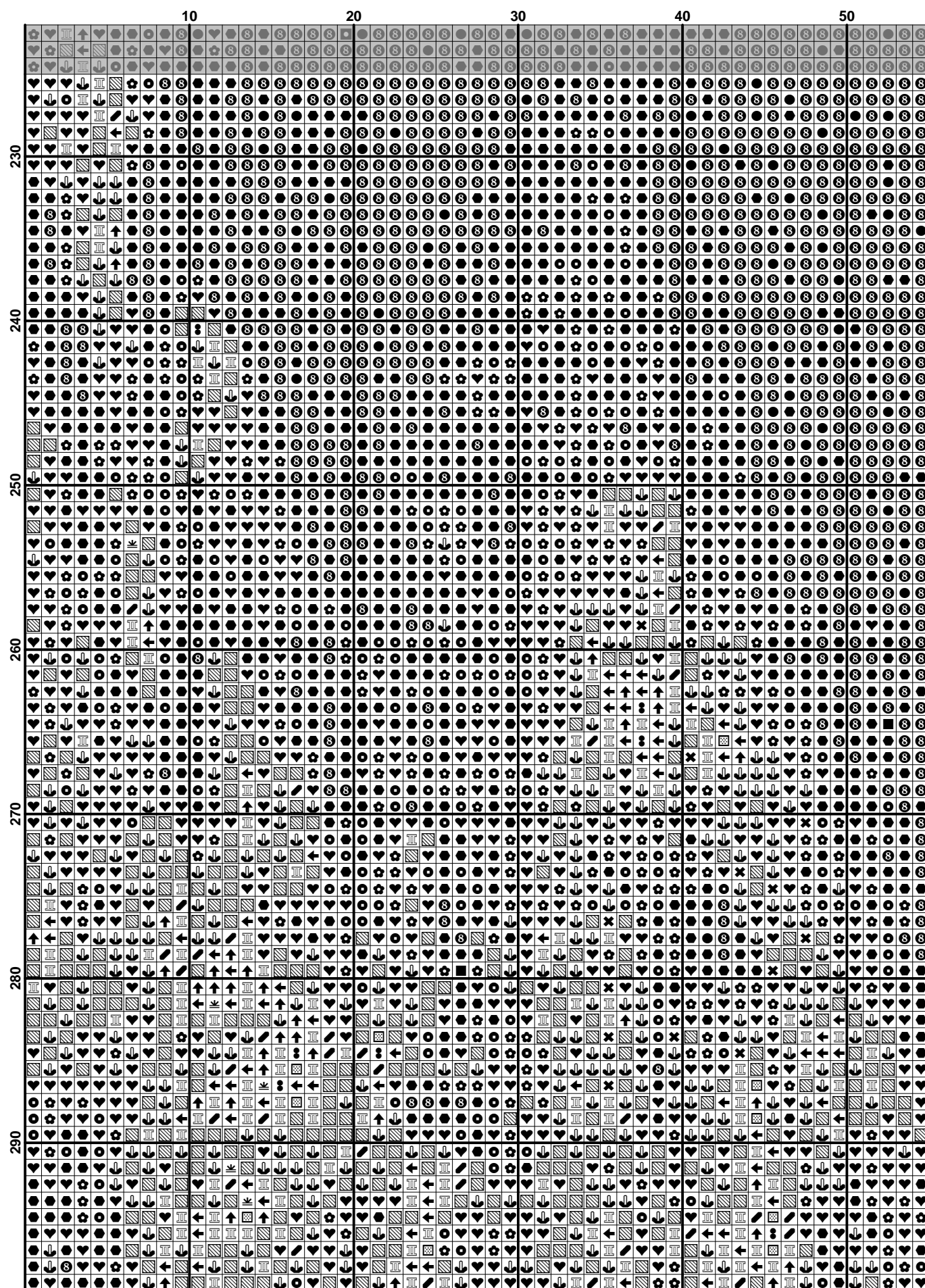


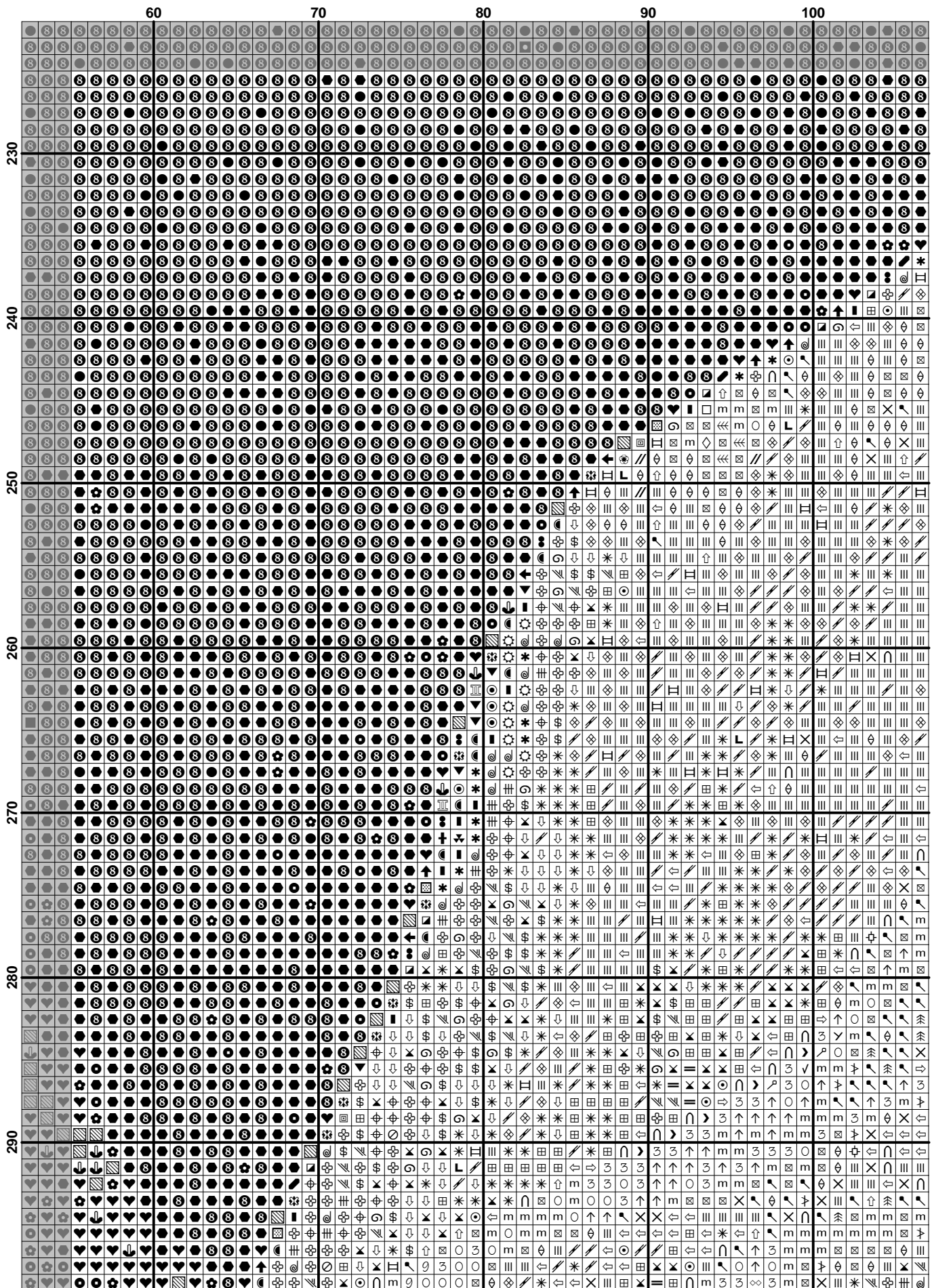


$$(38) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

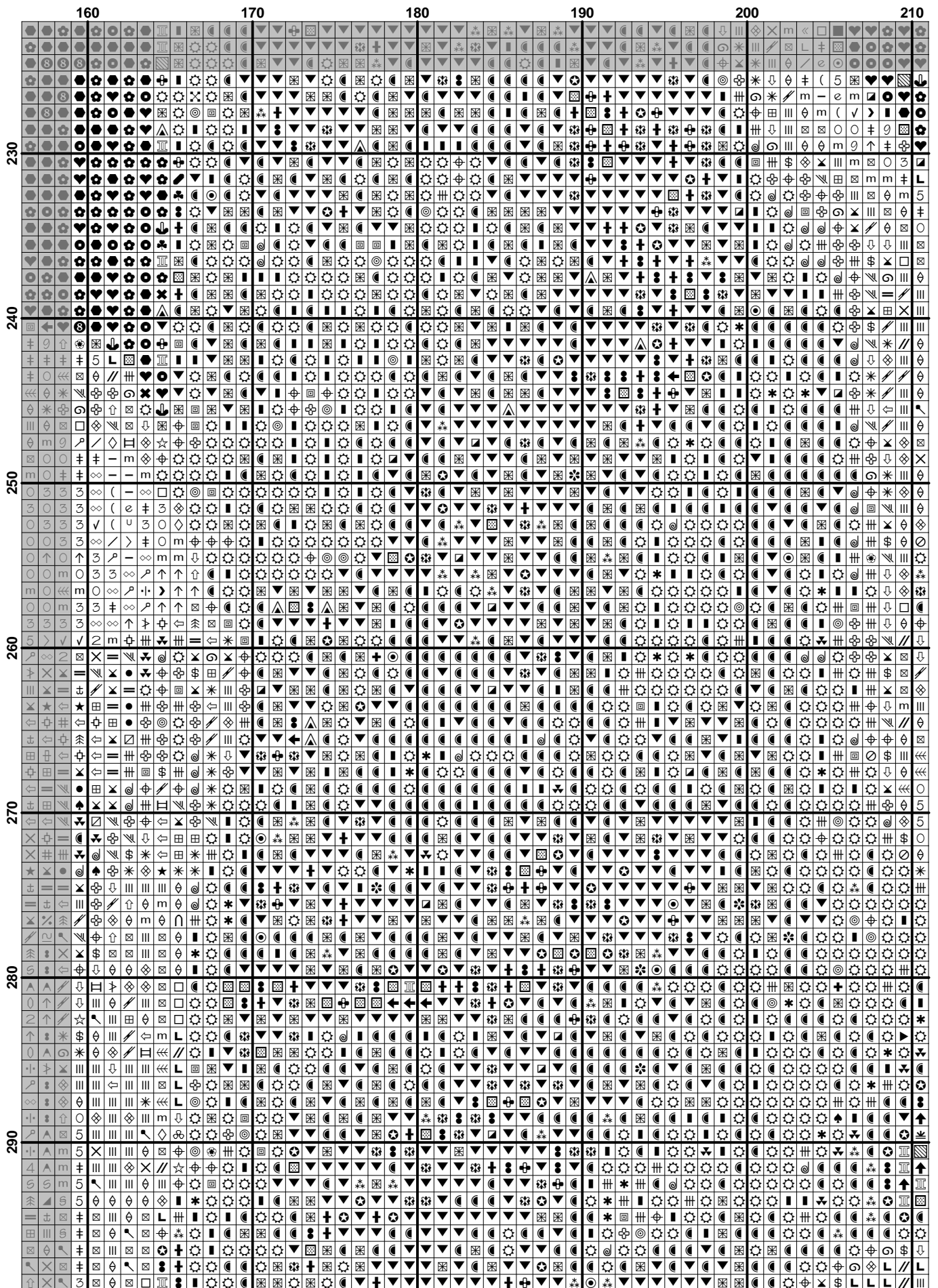
$$(39) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

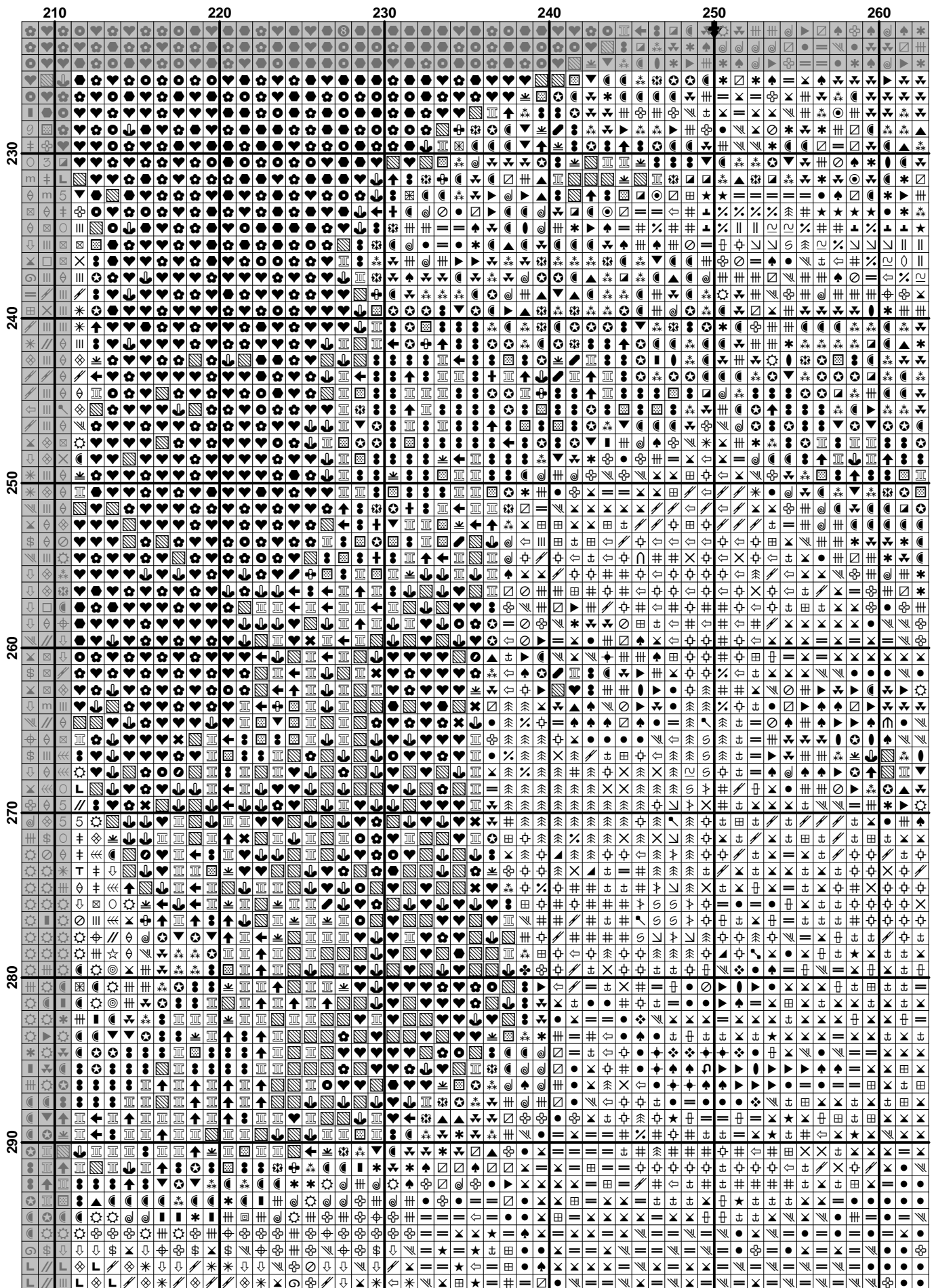


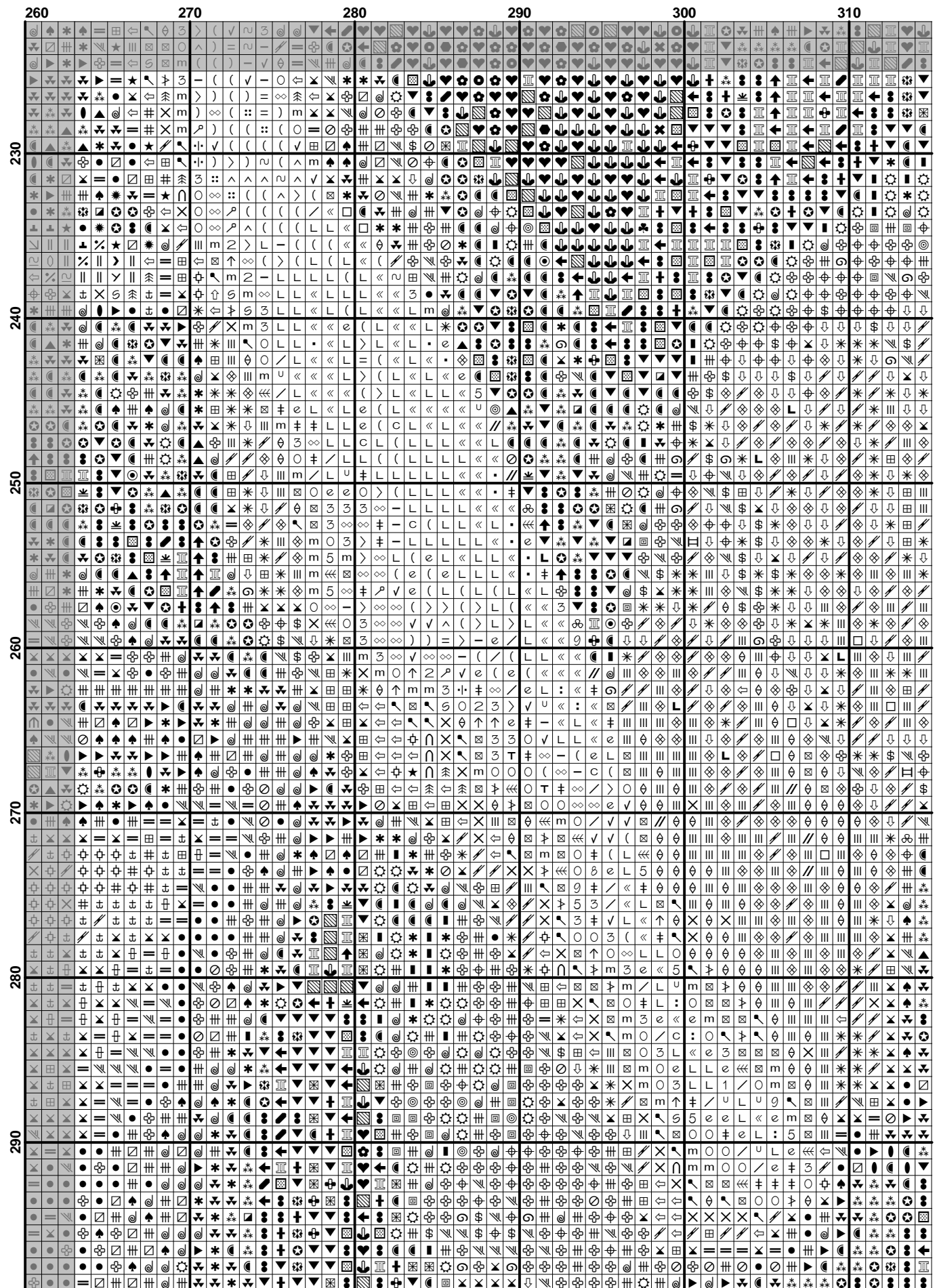


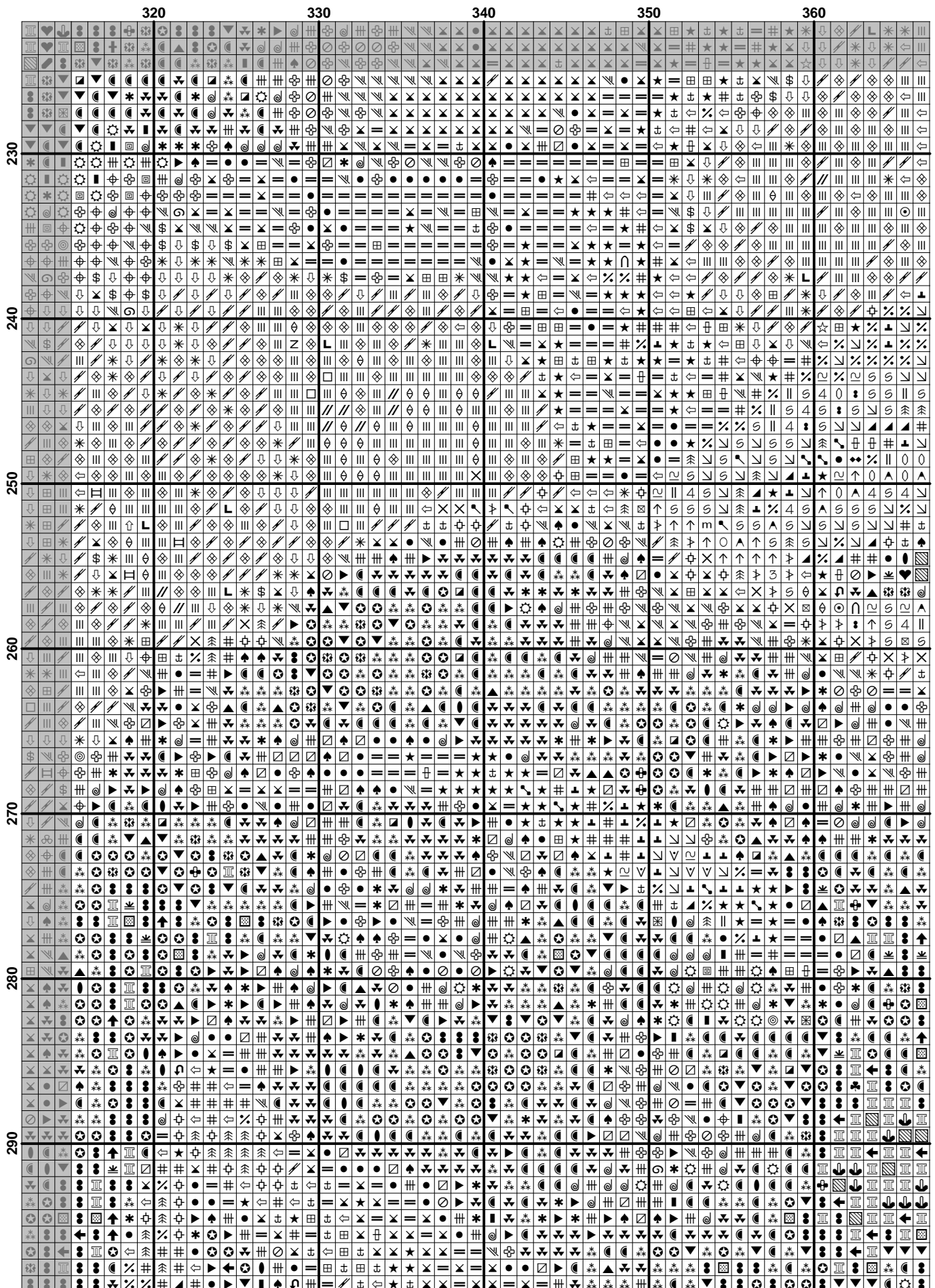


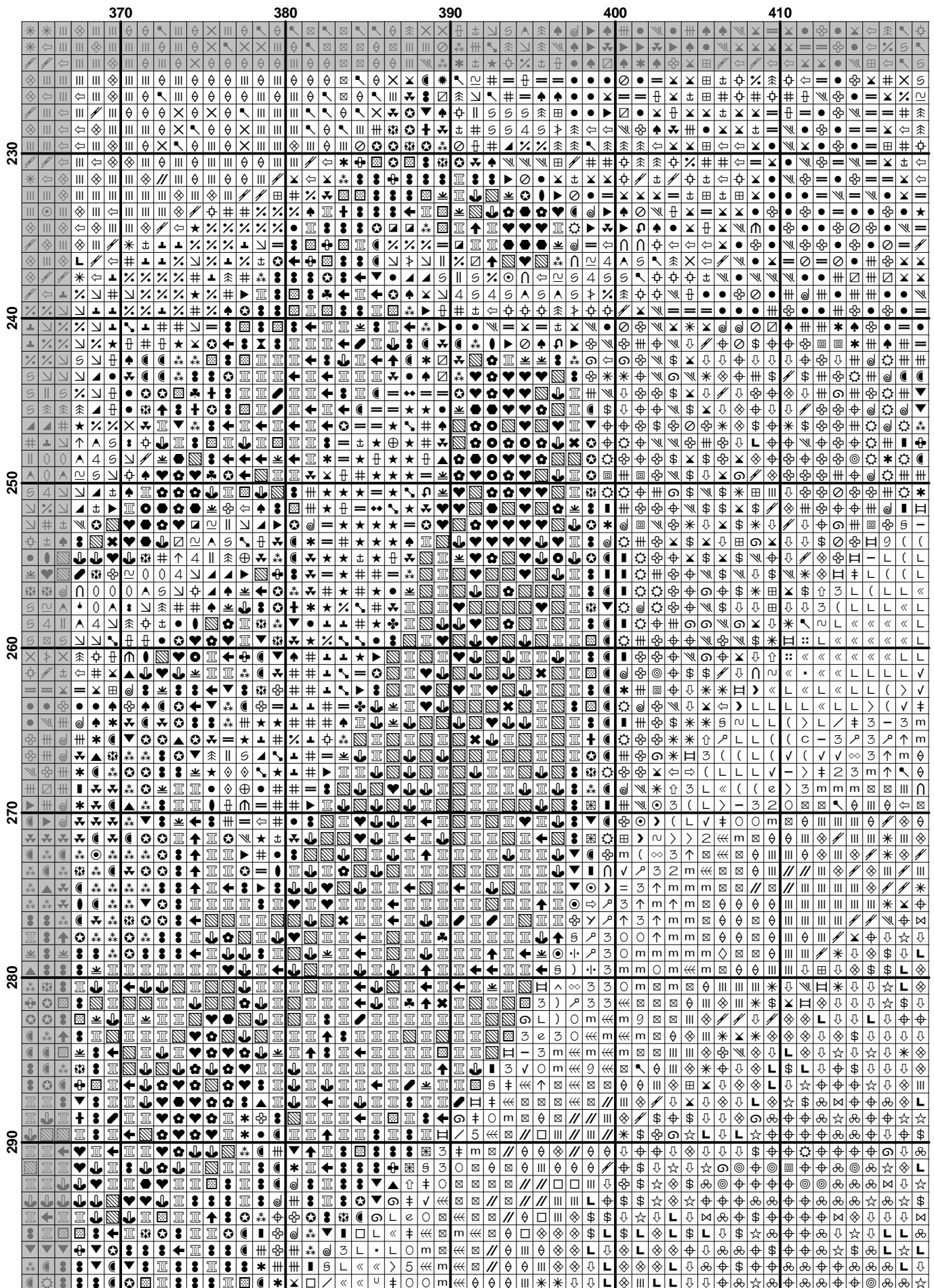
$$(43) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

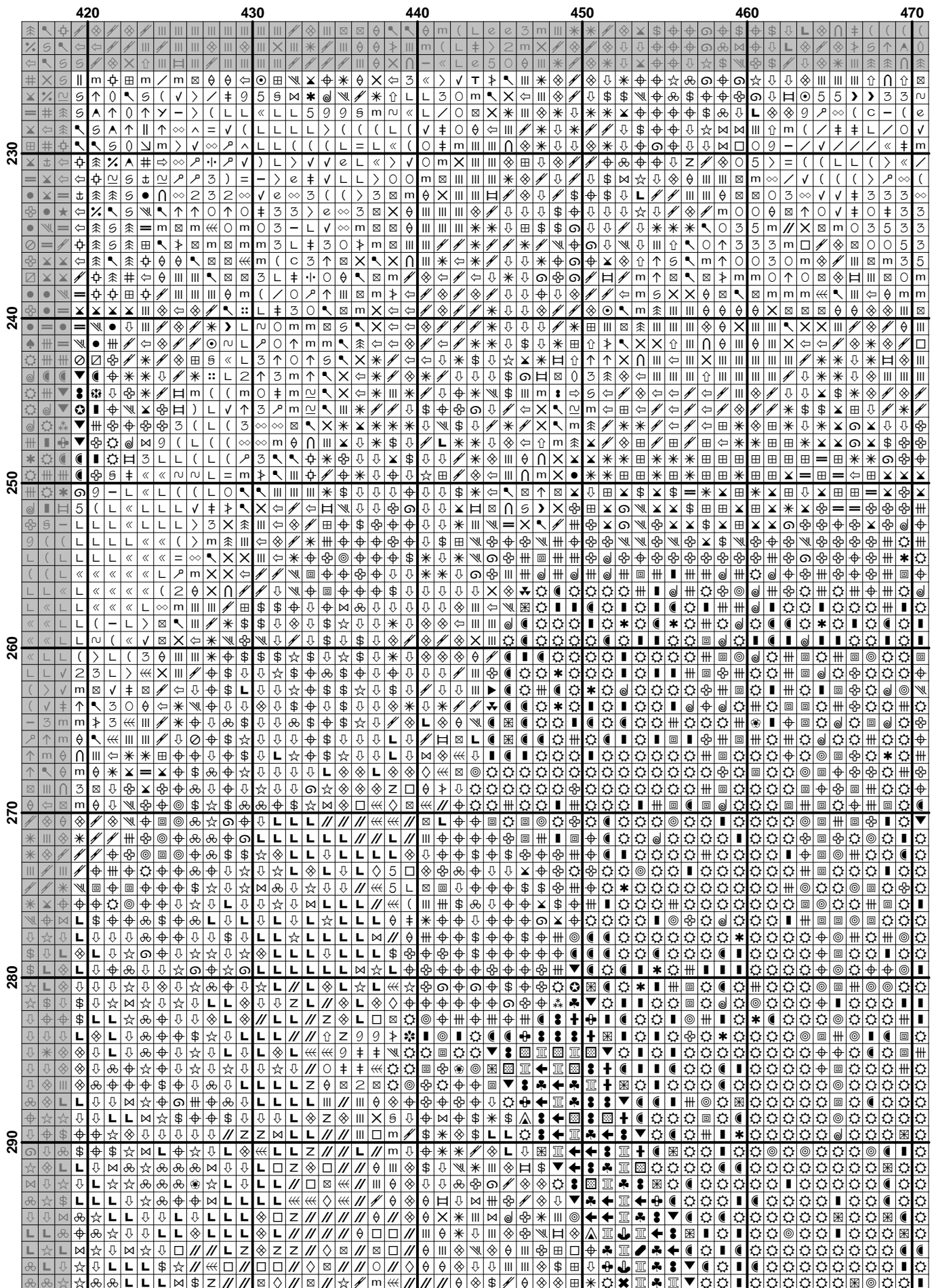


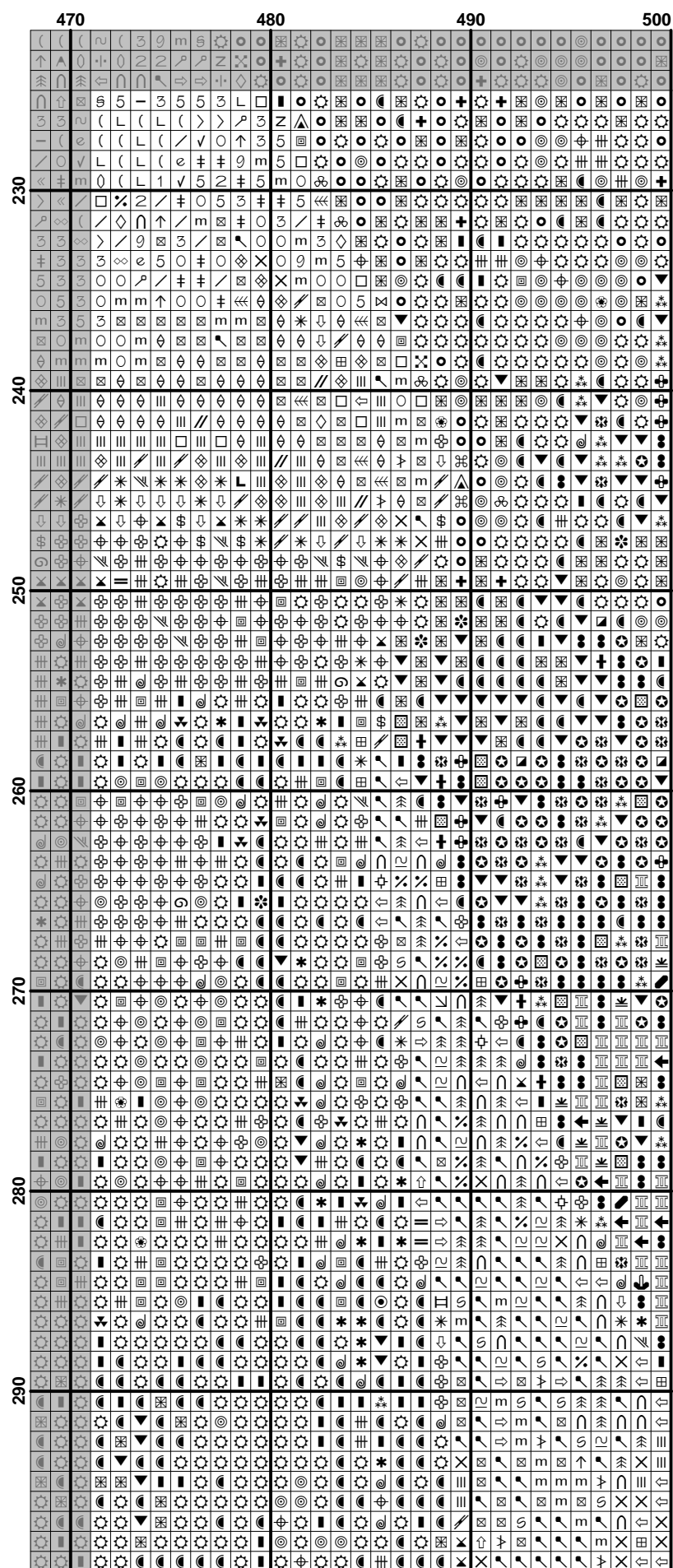


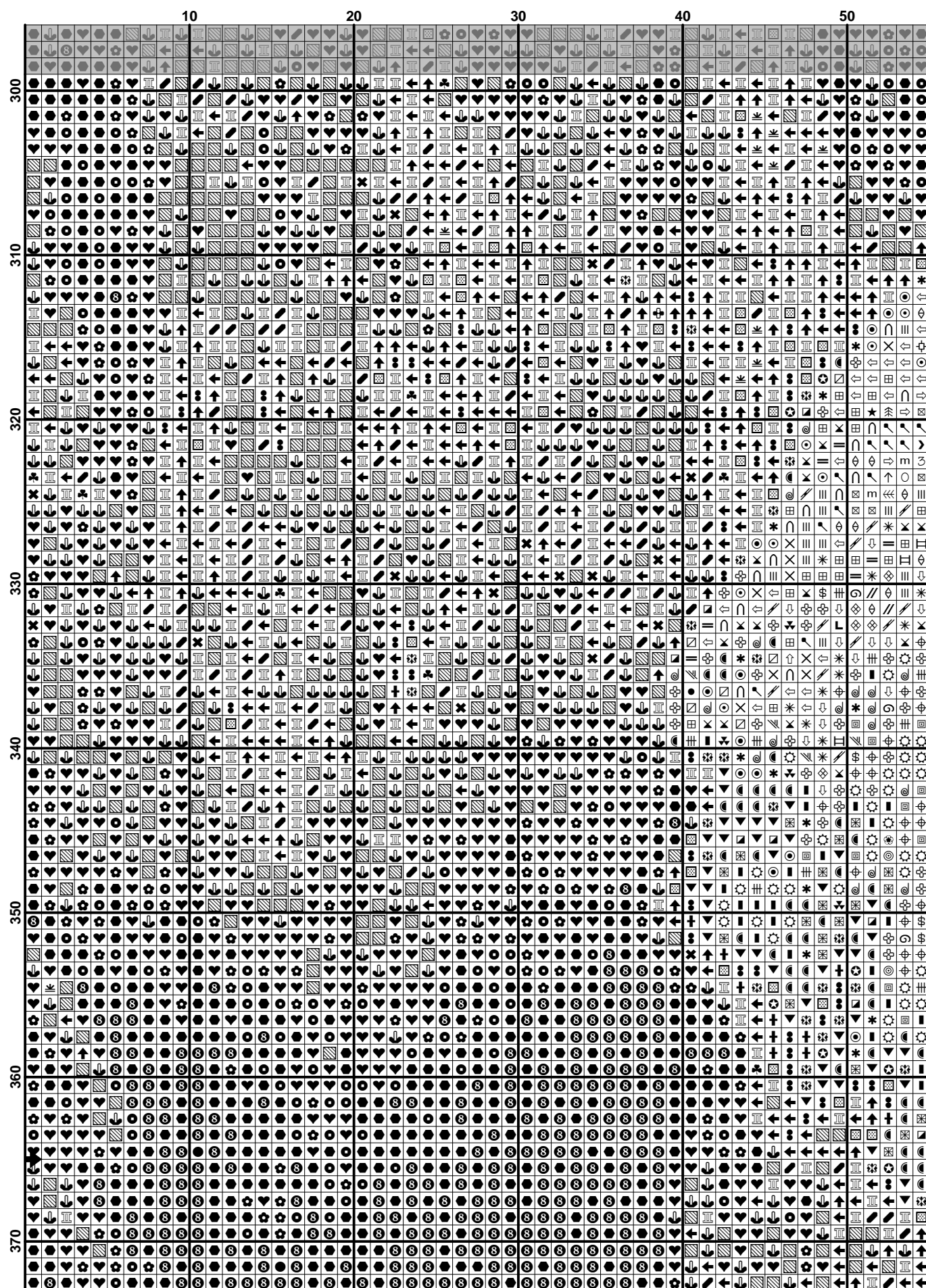


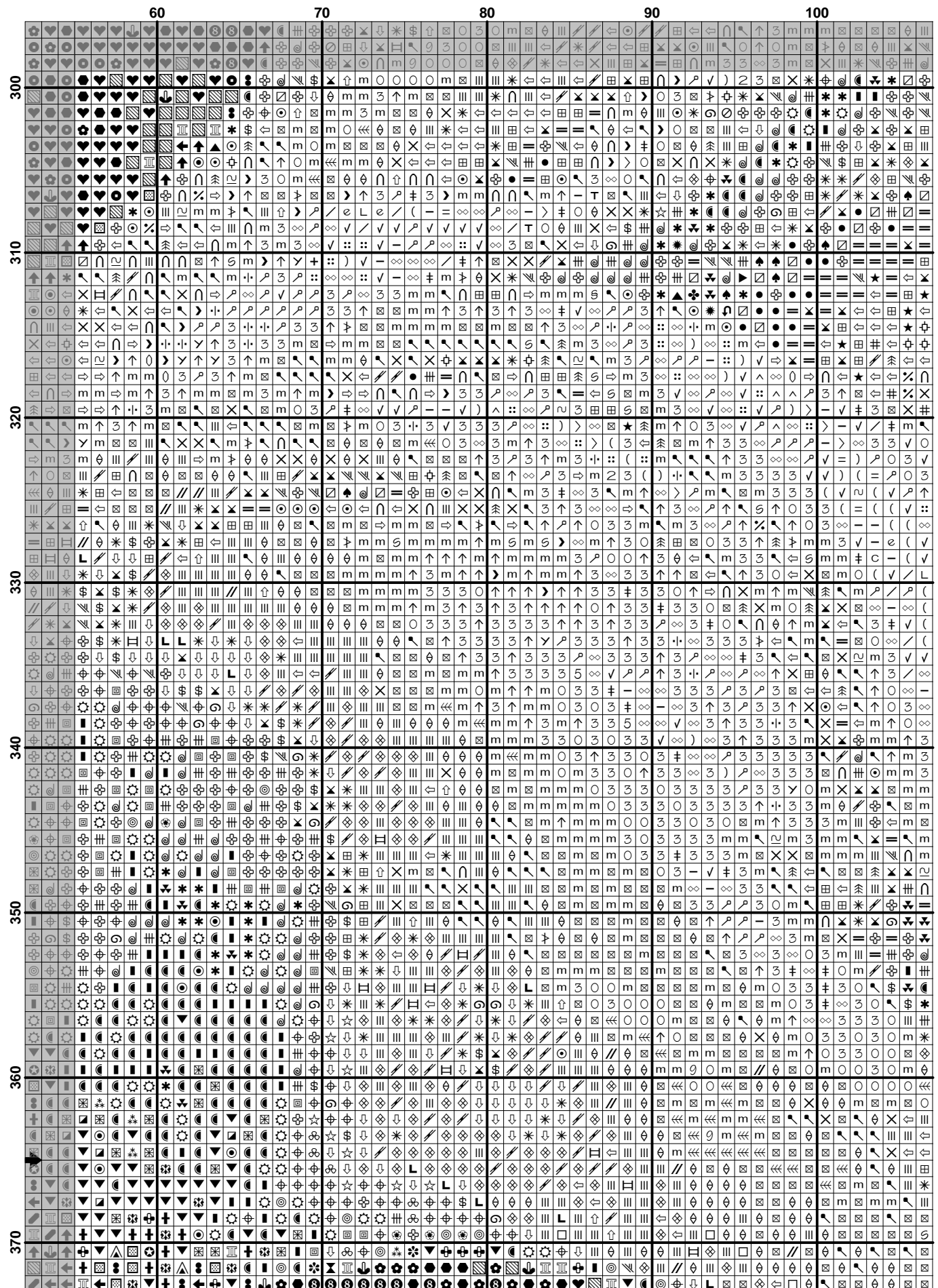








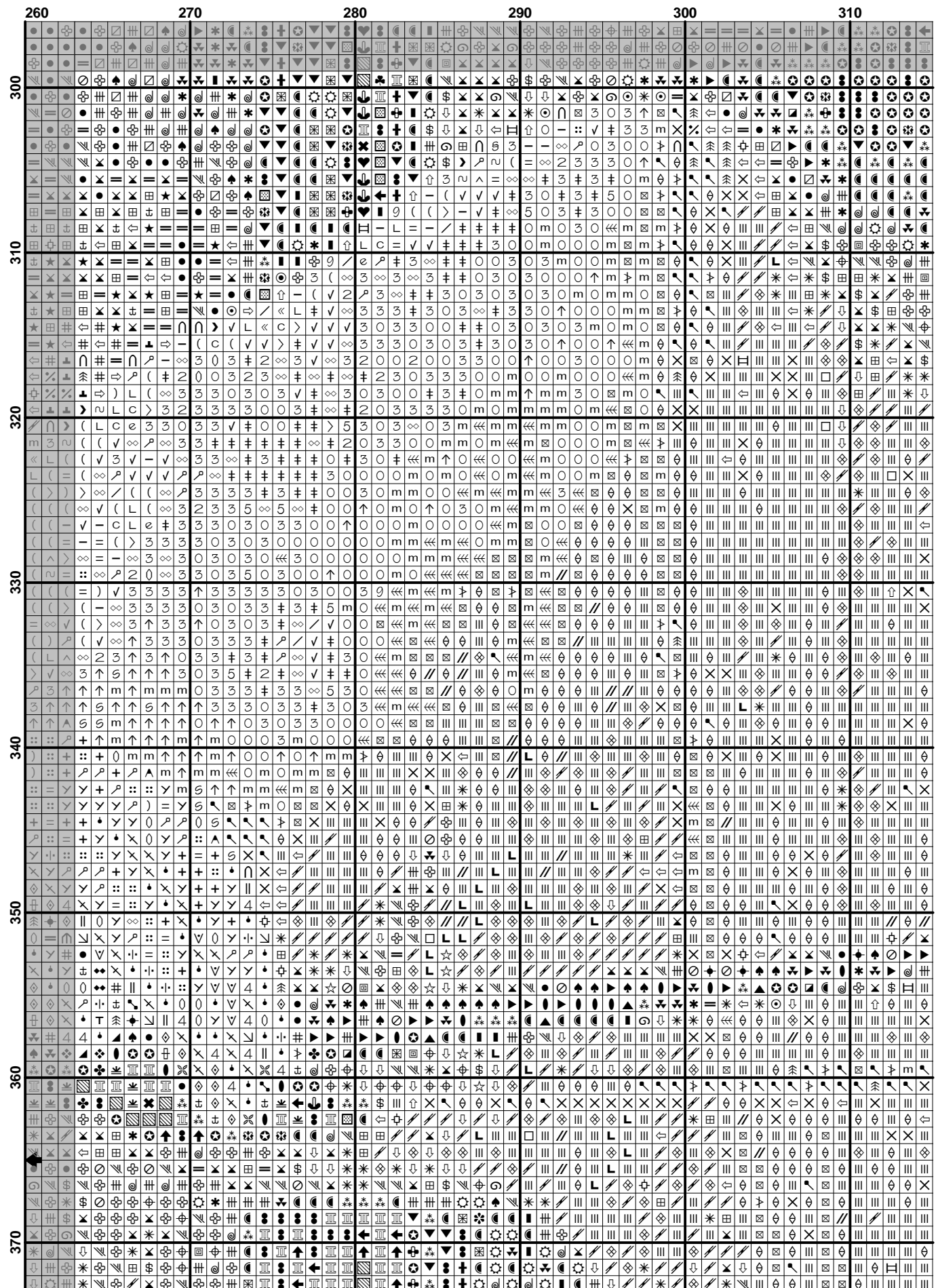




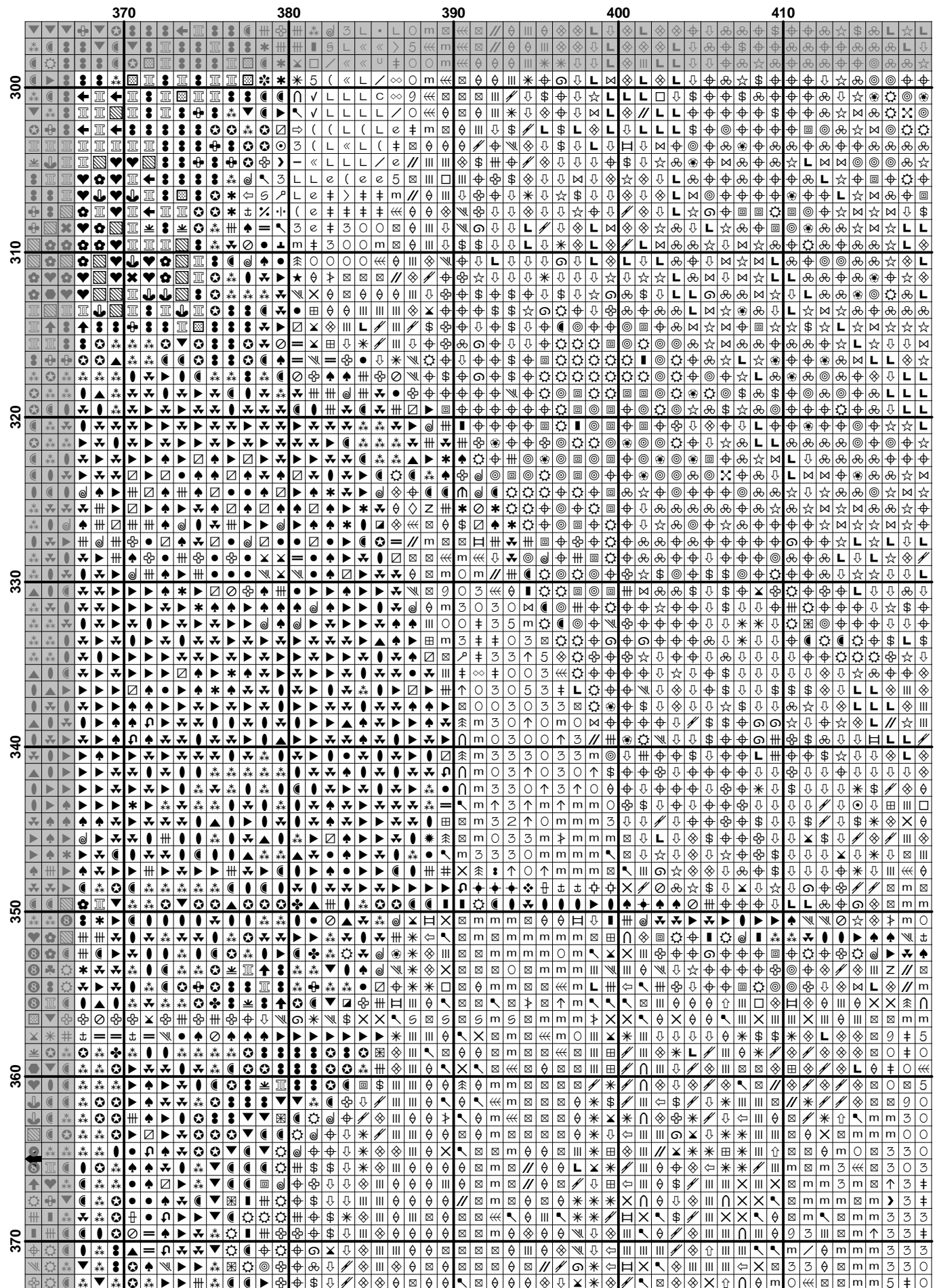
	110	120	130	140	150
300
310
320
330
340
350
360
370

	160	170	180	190	200	210
300	☿	☿	☿	☿	☿	☿
310	☿	☿	☿	☿	☿	☿
320	☿	☿	☿	☿	☿	☿
330	☿	☿	☿	☿	☿	☿
340	☿	☿	☿	☿	☿	☿
350	☿	☿	☿	☿	☿	☿
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370	☿	☿	☿	☿	☿	☿

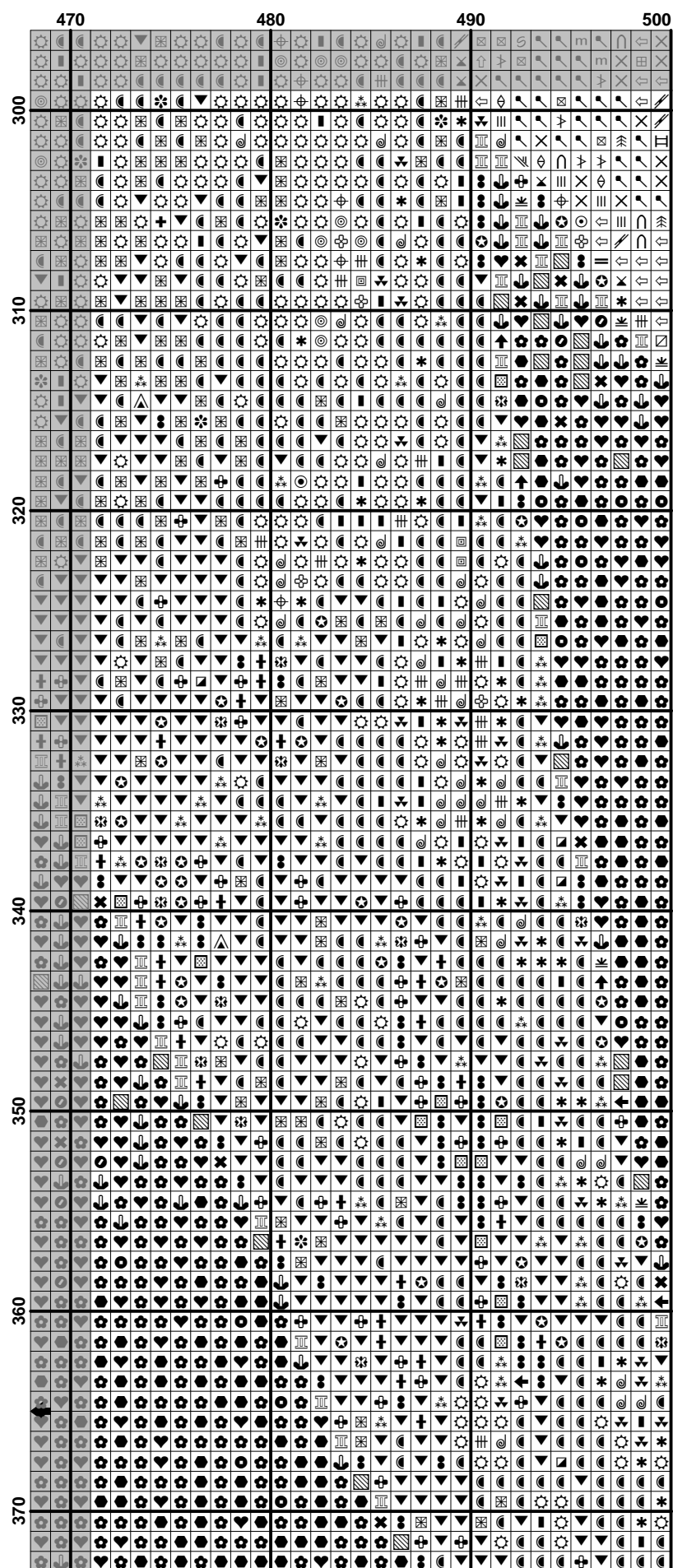
	210	220	230	240	250	260
300	⊗	⊗	⊗	⊗	⊗	⊗
310	⊗	⊗	⊗	⊗	⊗	⊗
320	⊗	⊗	⊗	⊗	⊗	⊗
330	⊗	⊗	⊗	⊗	⊗	⊗
340	⊗	⊗	⊗	⊗	⊗	⊗
350	⊗	⊗	⊗	⊗	⊗	⊗
360	⊗	⊗	⊗	⊗	⊗	⊗
370	⊗	⊗	⊗	⊗	⊗	⊗

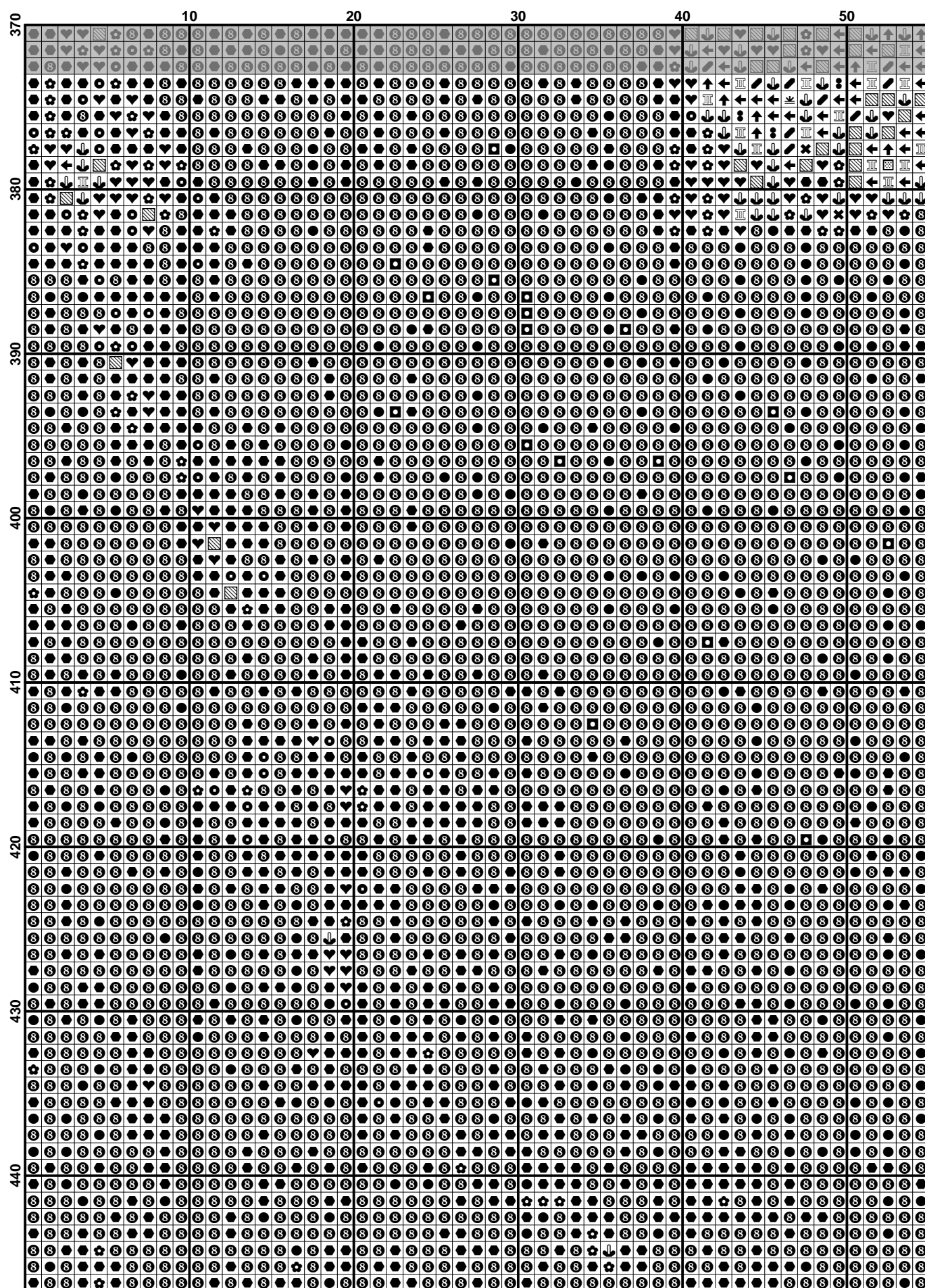


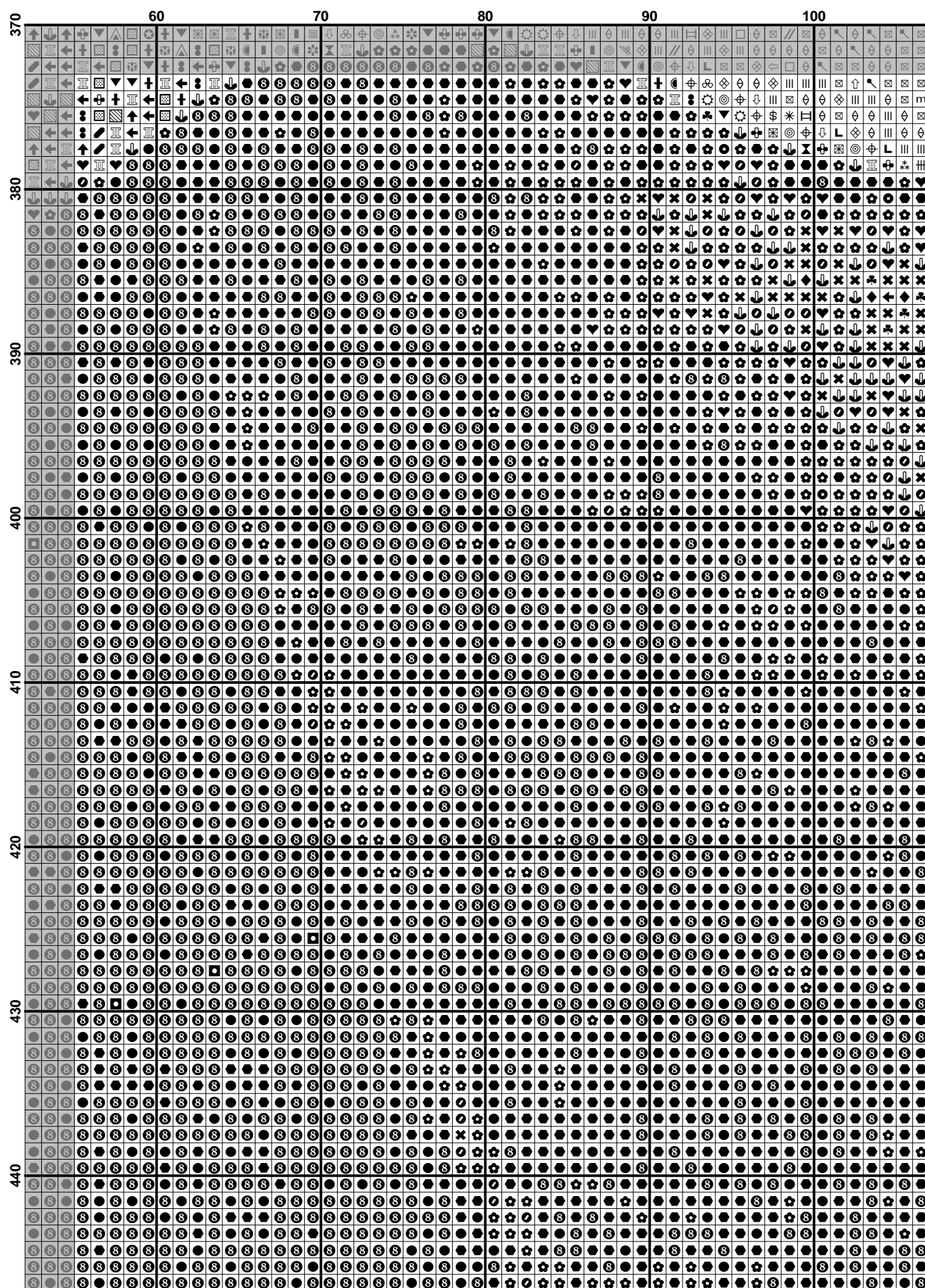


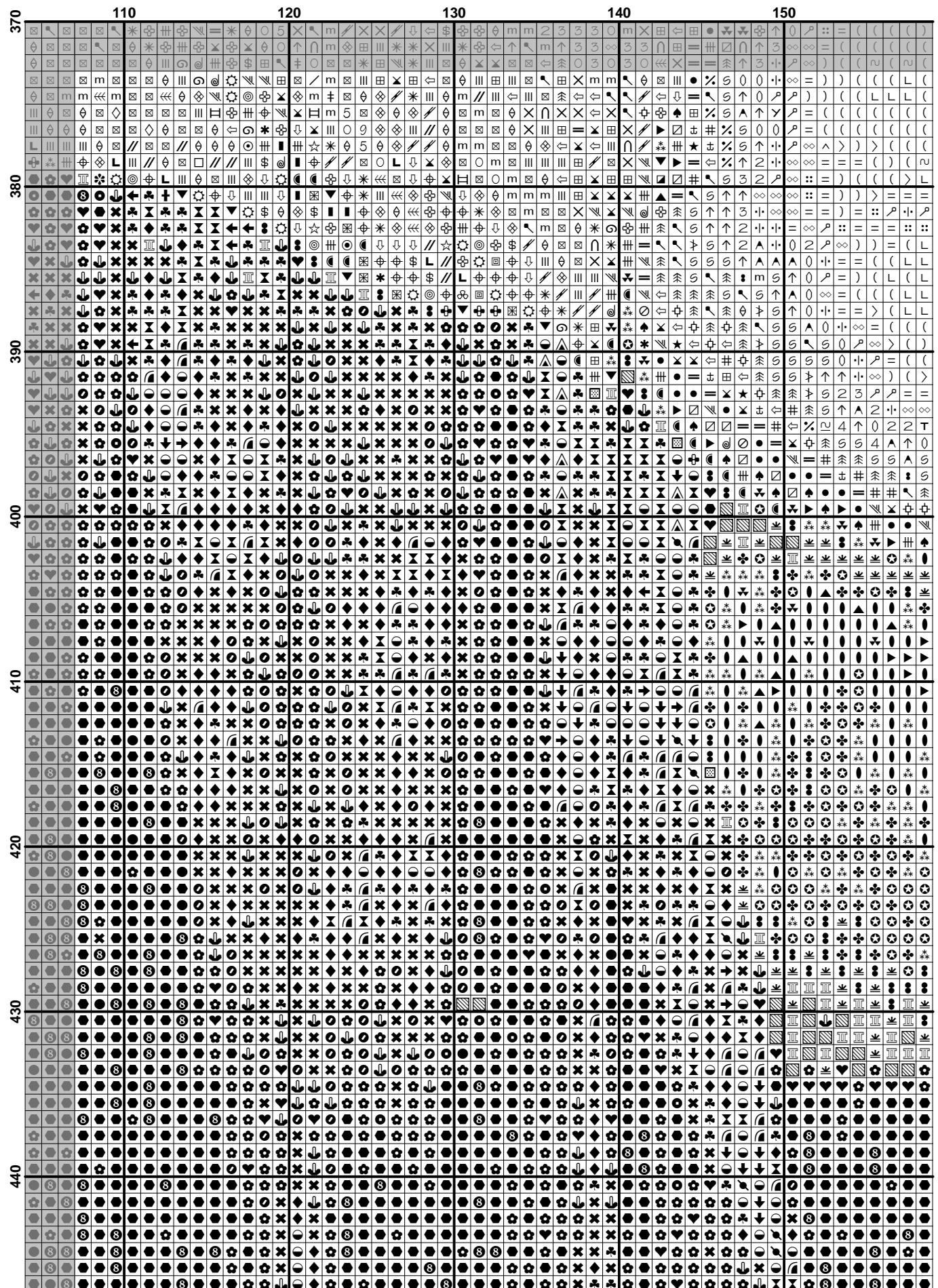


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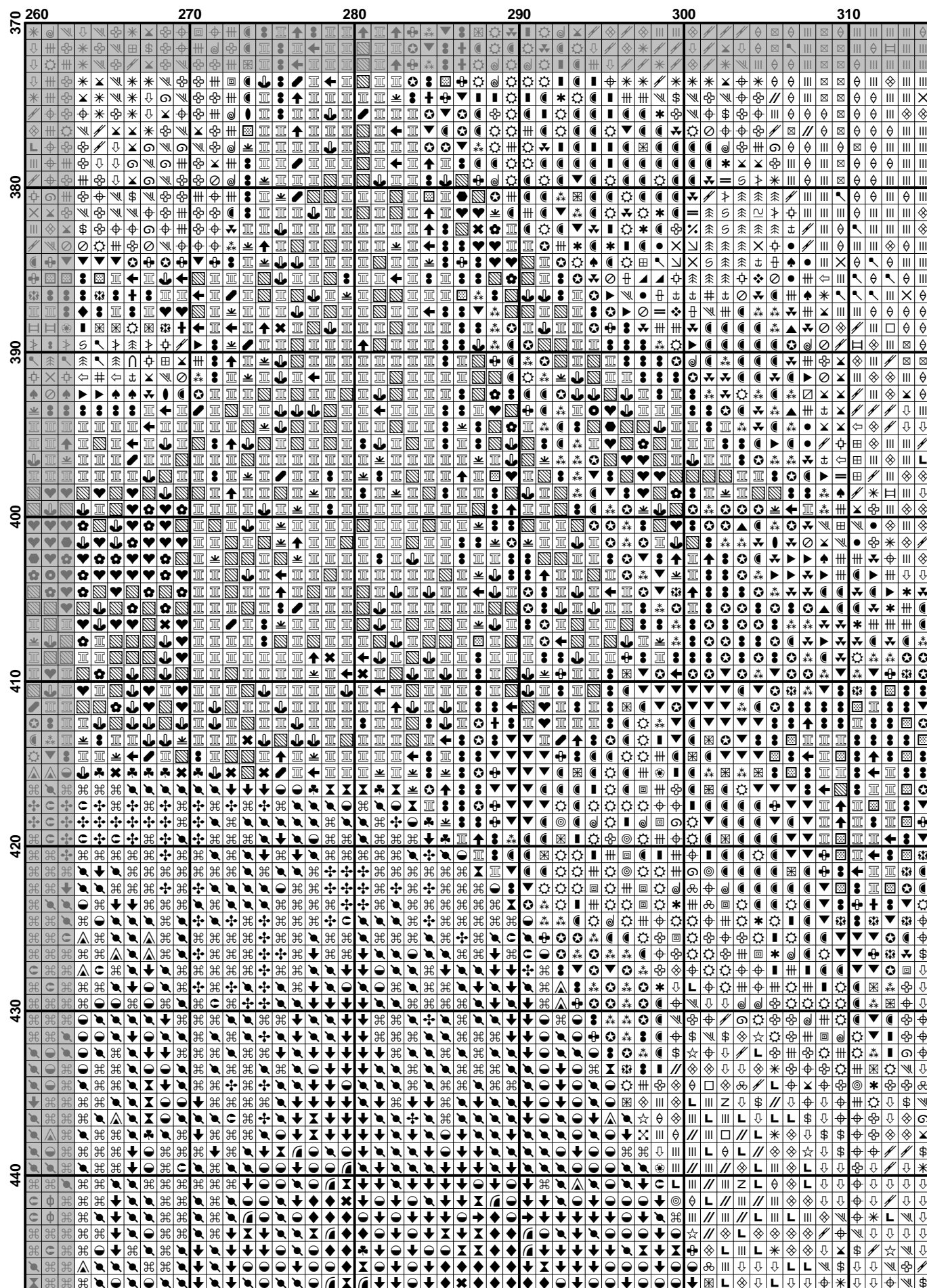






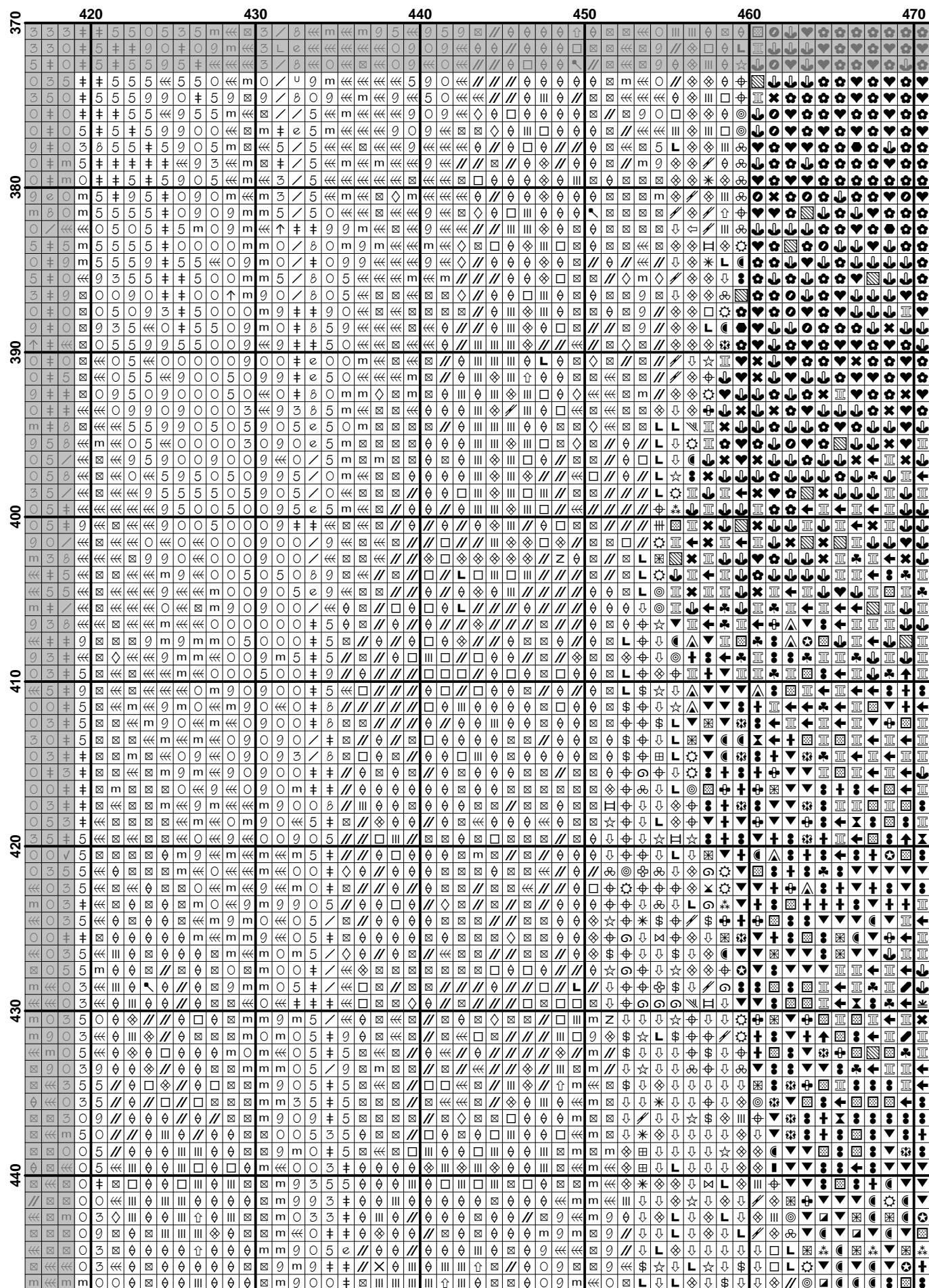
$$(64) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

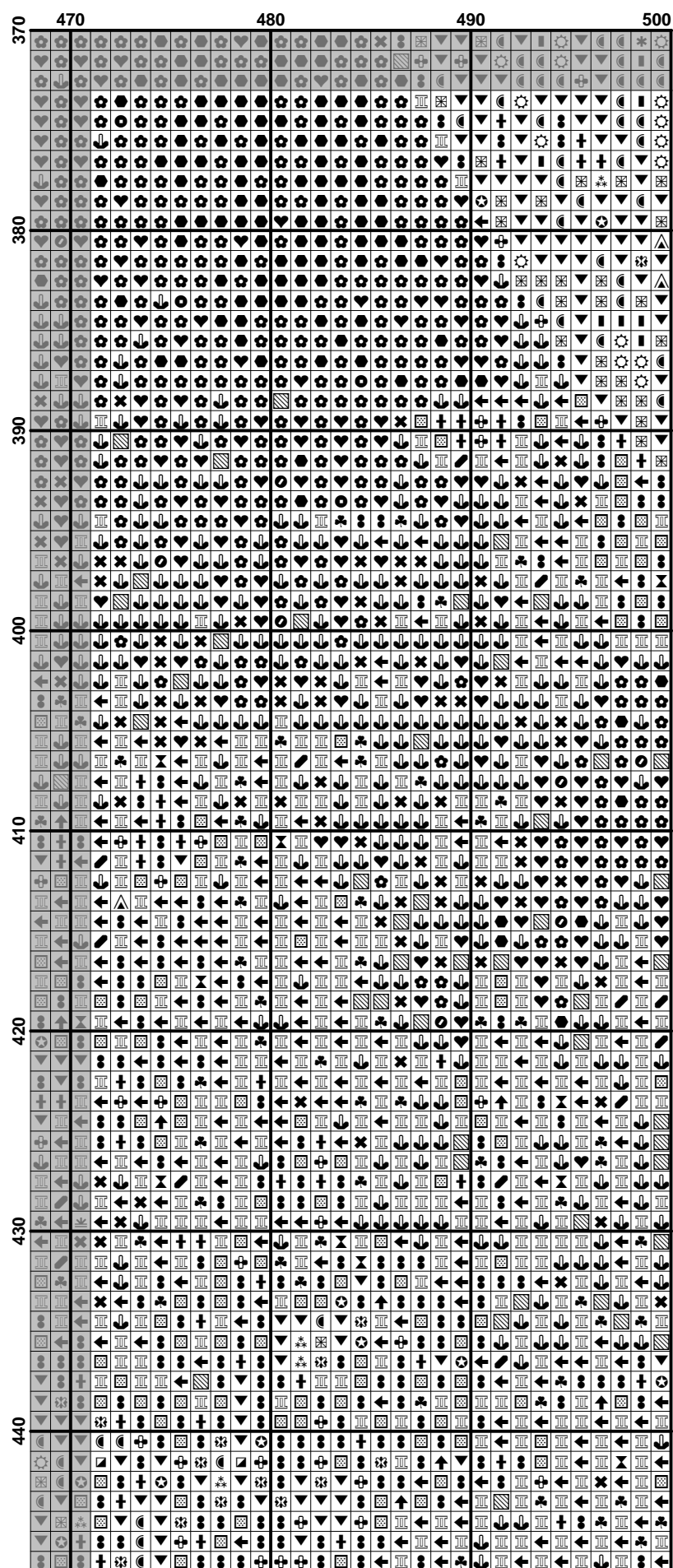
[illegible]

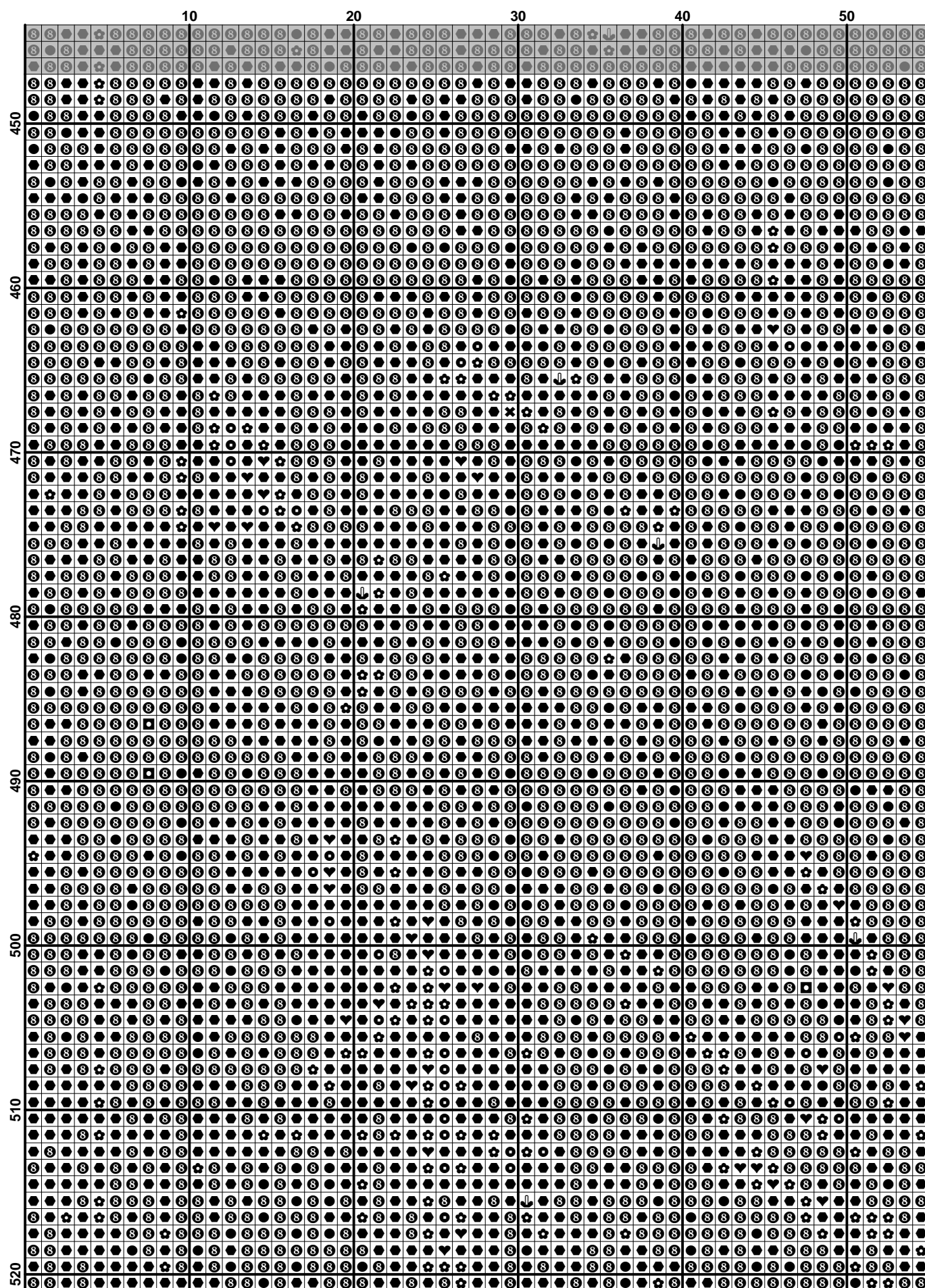


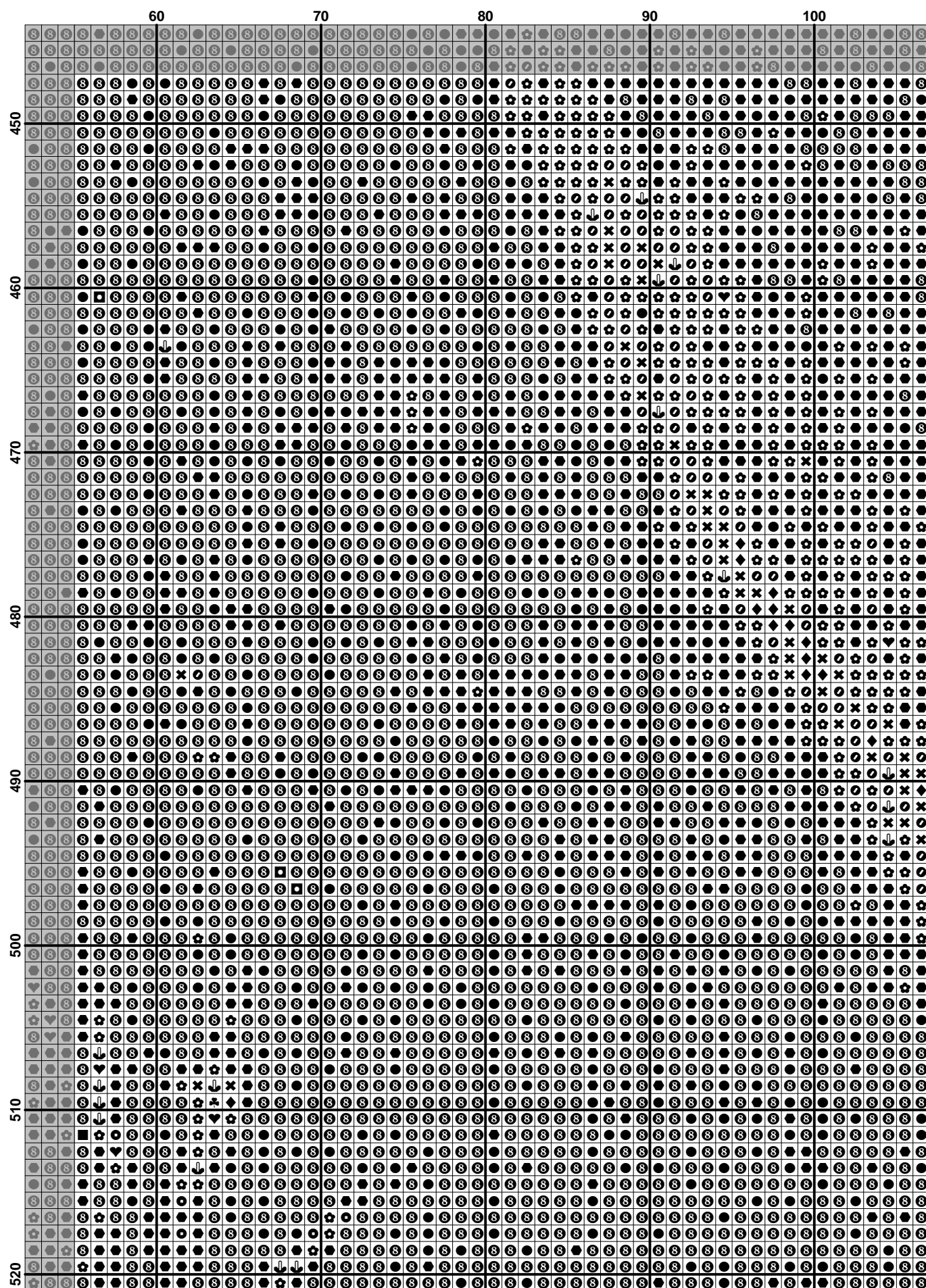


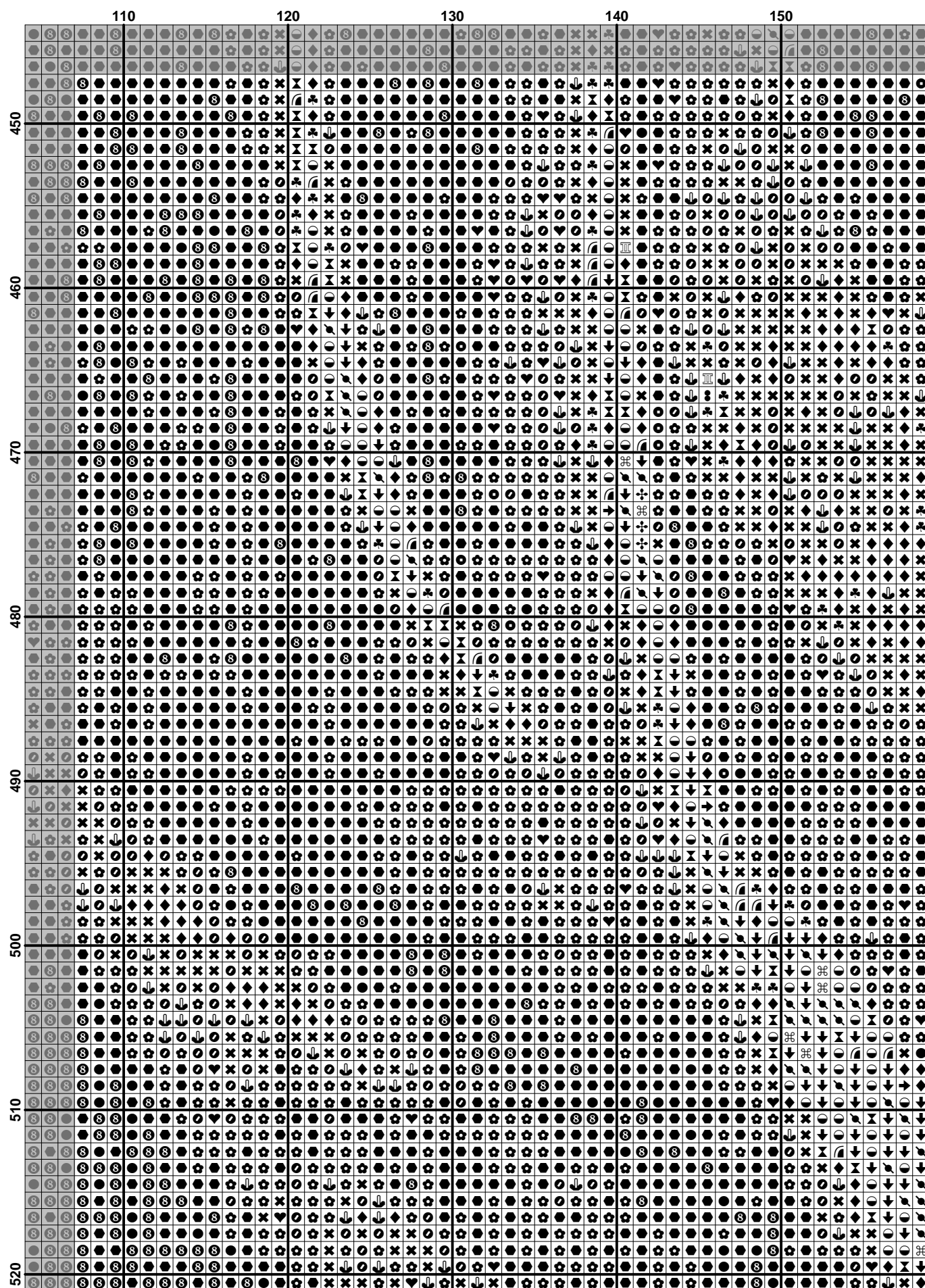
$$(68) \quad \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} \frac{e^{-t^2}}{(1+t^2)^2} dt = \frac{1}{2} \left(\frac{\pi}{2} + \frac{\pi}{2} \right) = \frac{\pi}{2}$$



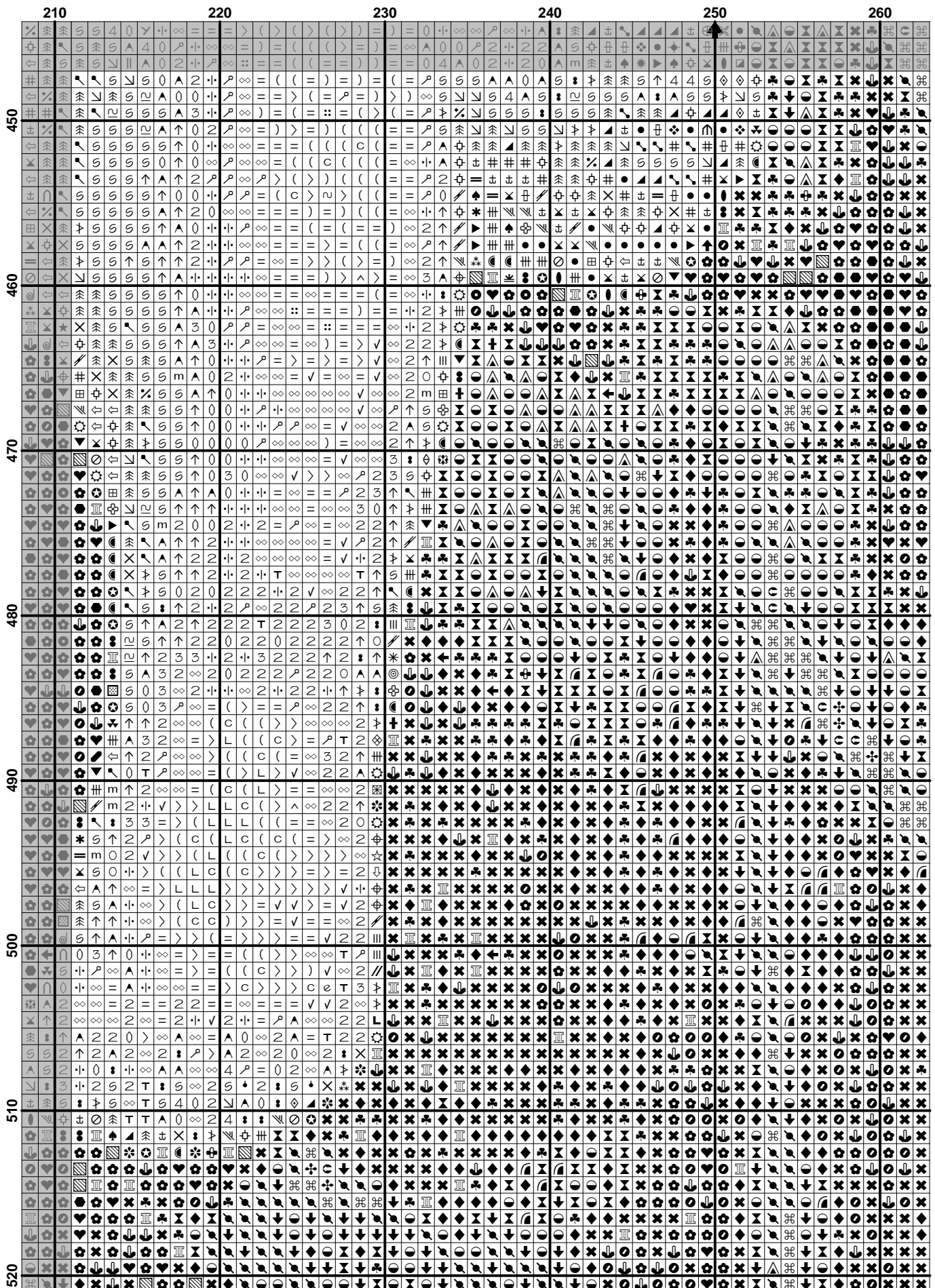


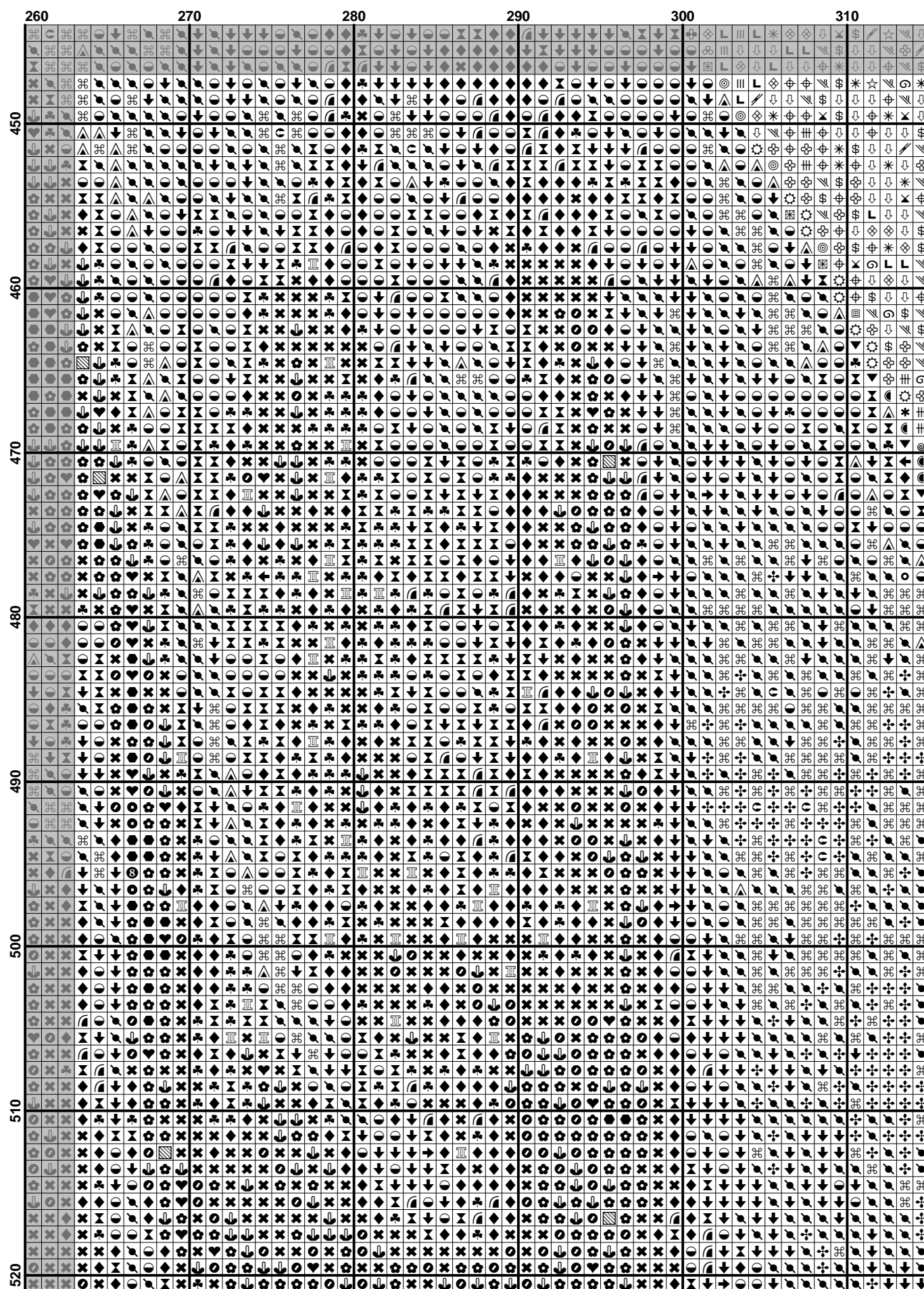


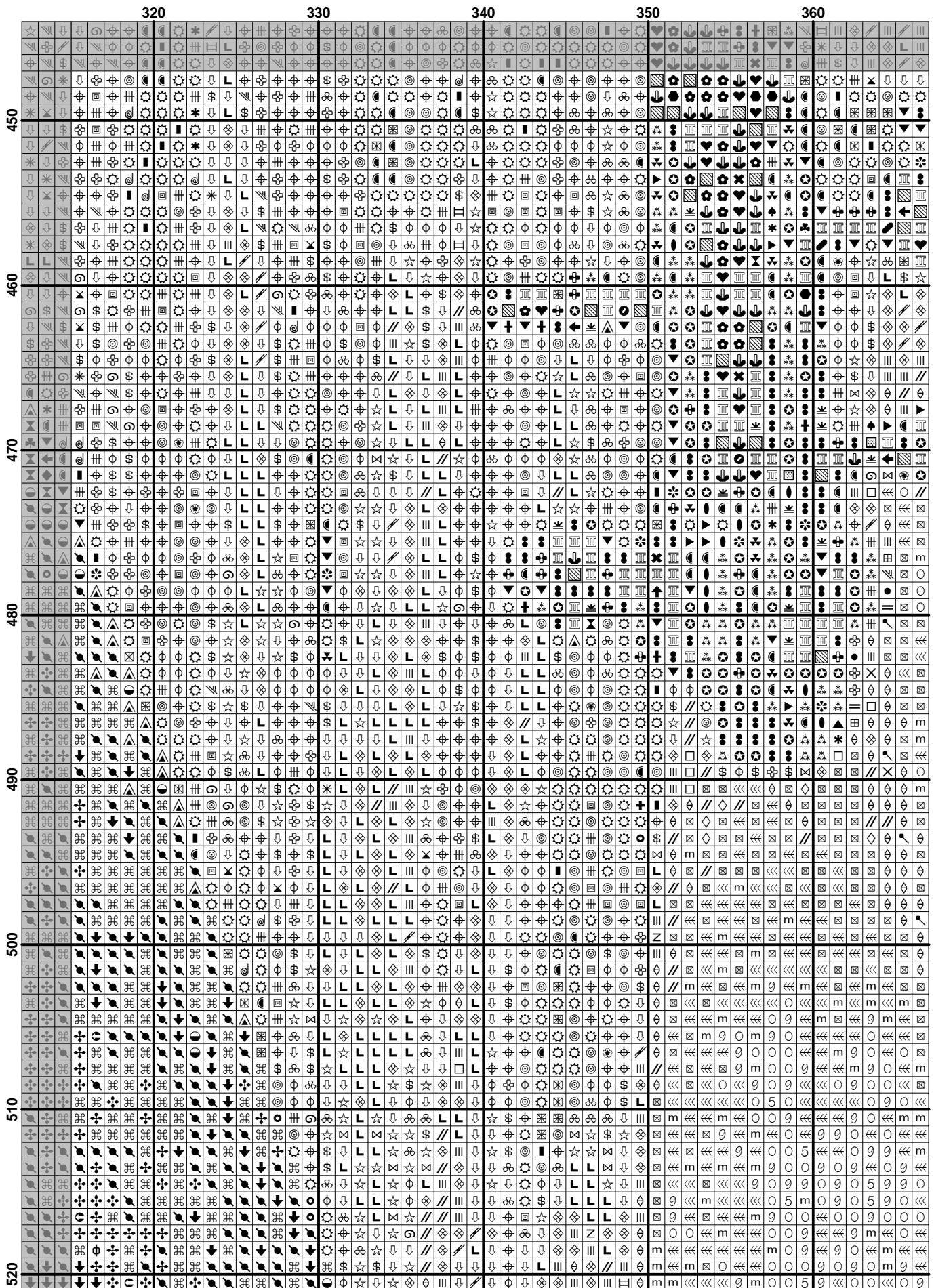






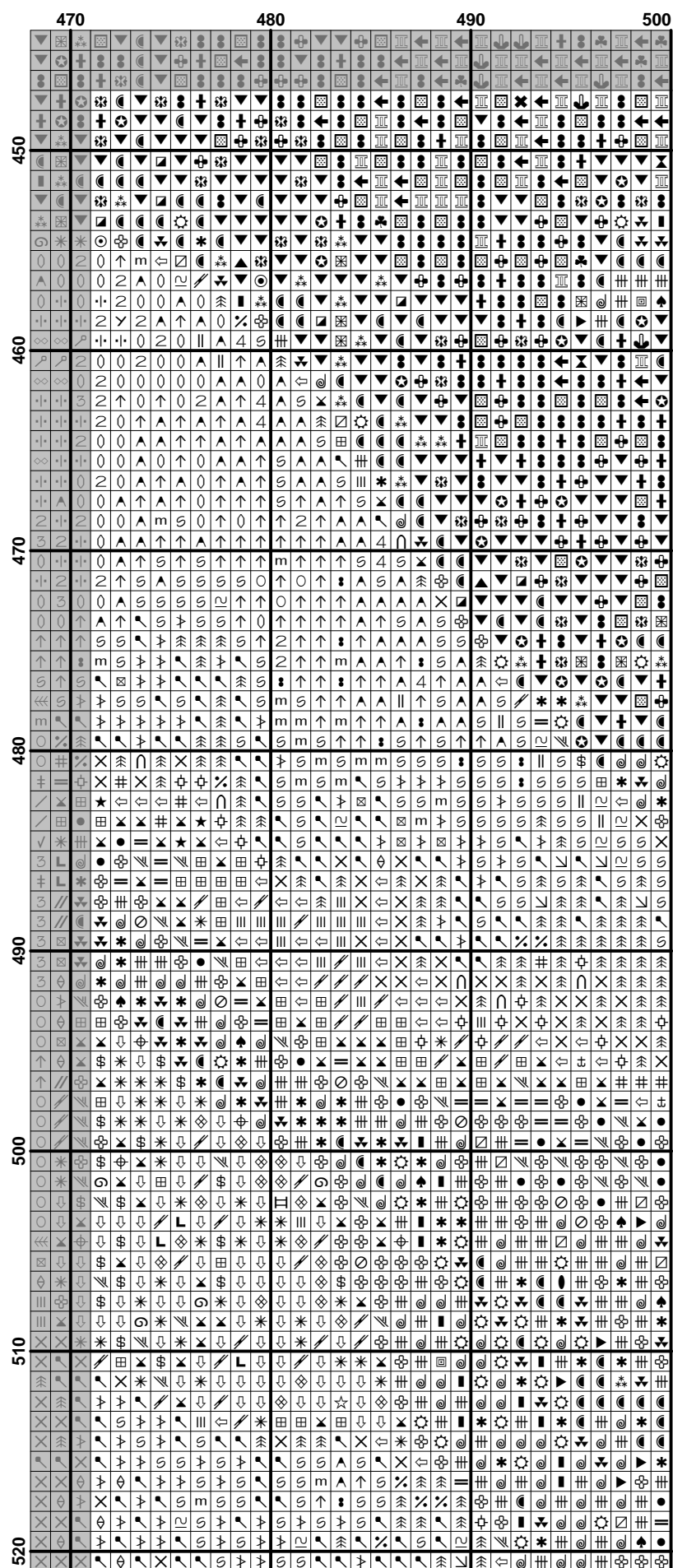


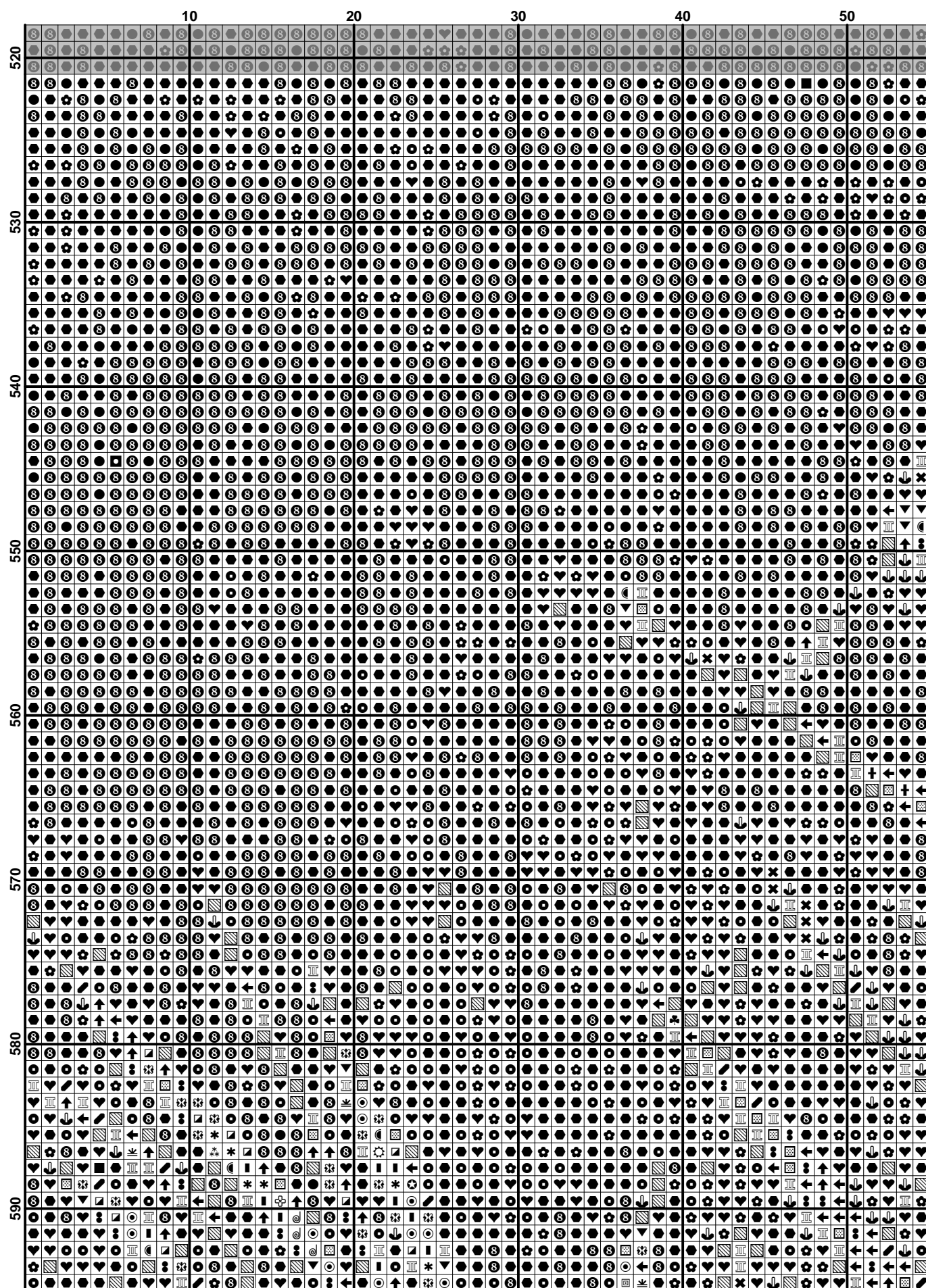


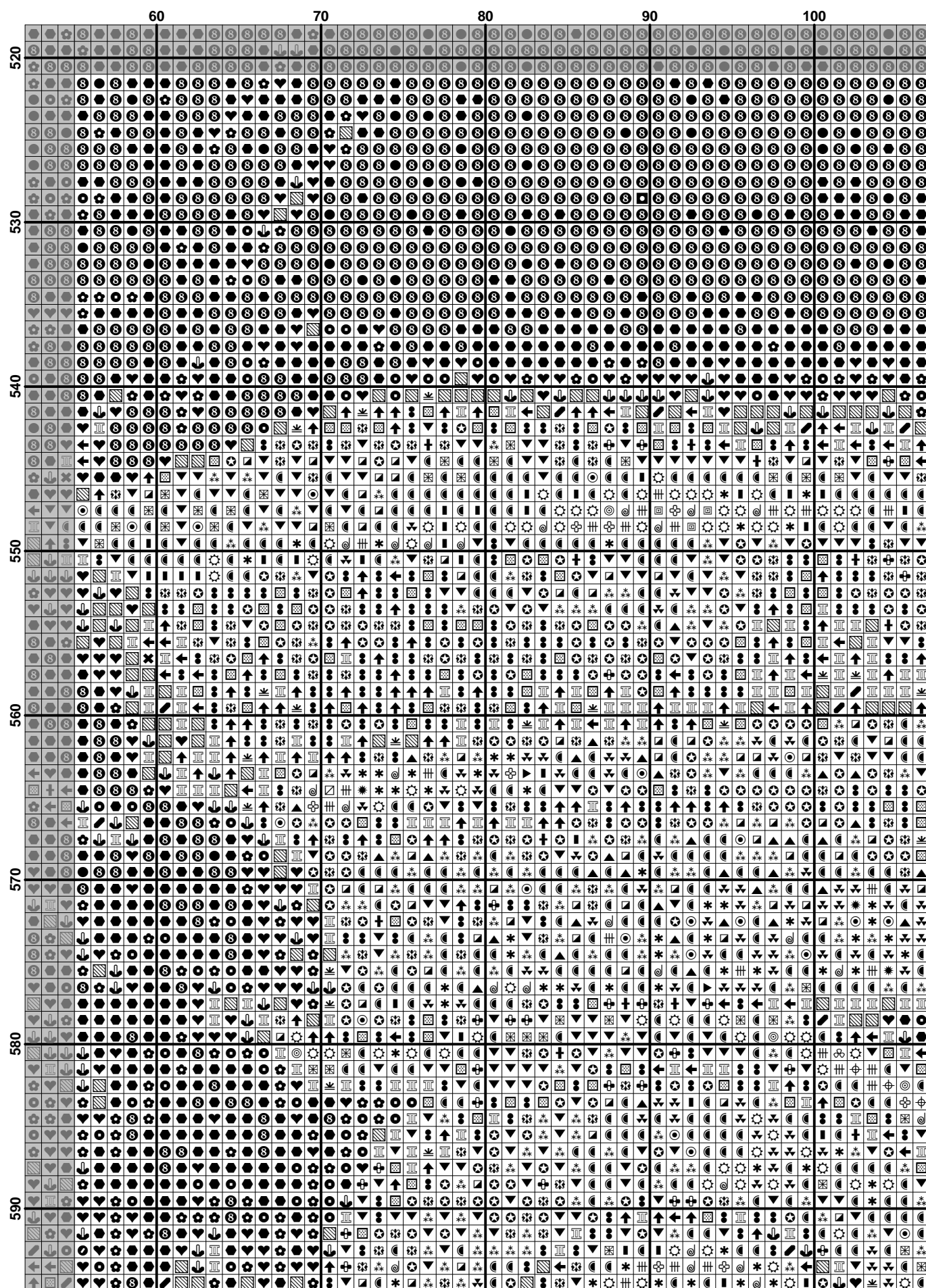


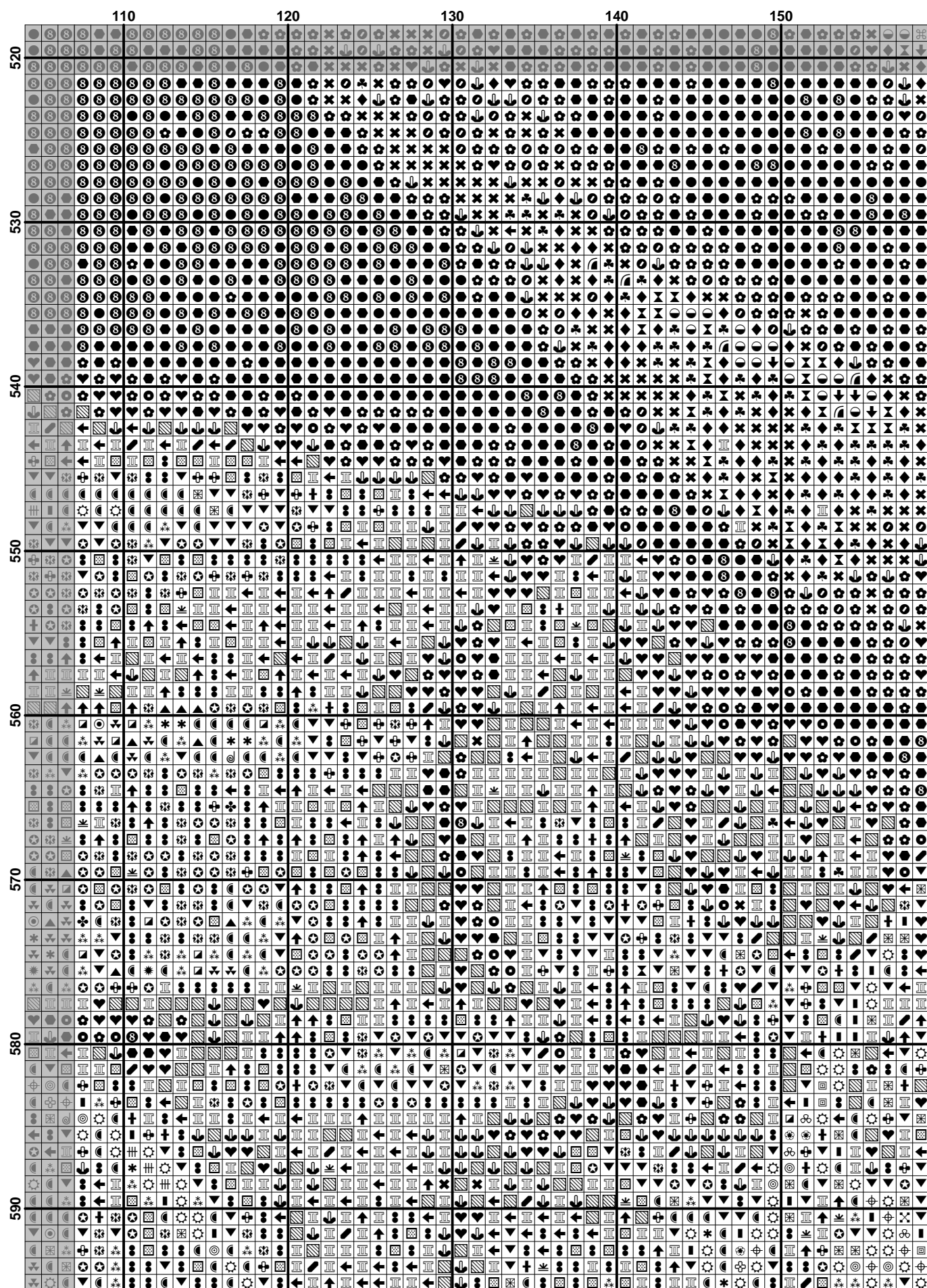
[illegible]

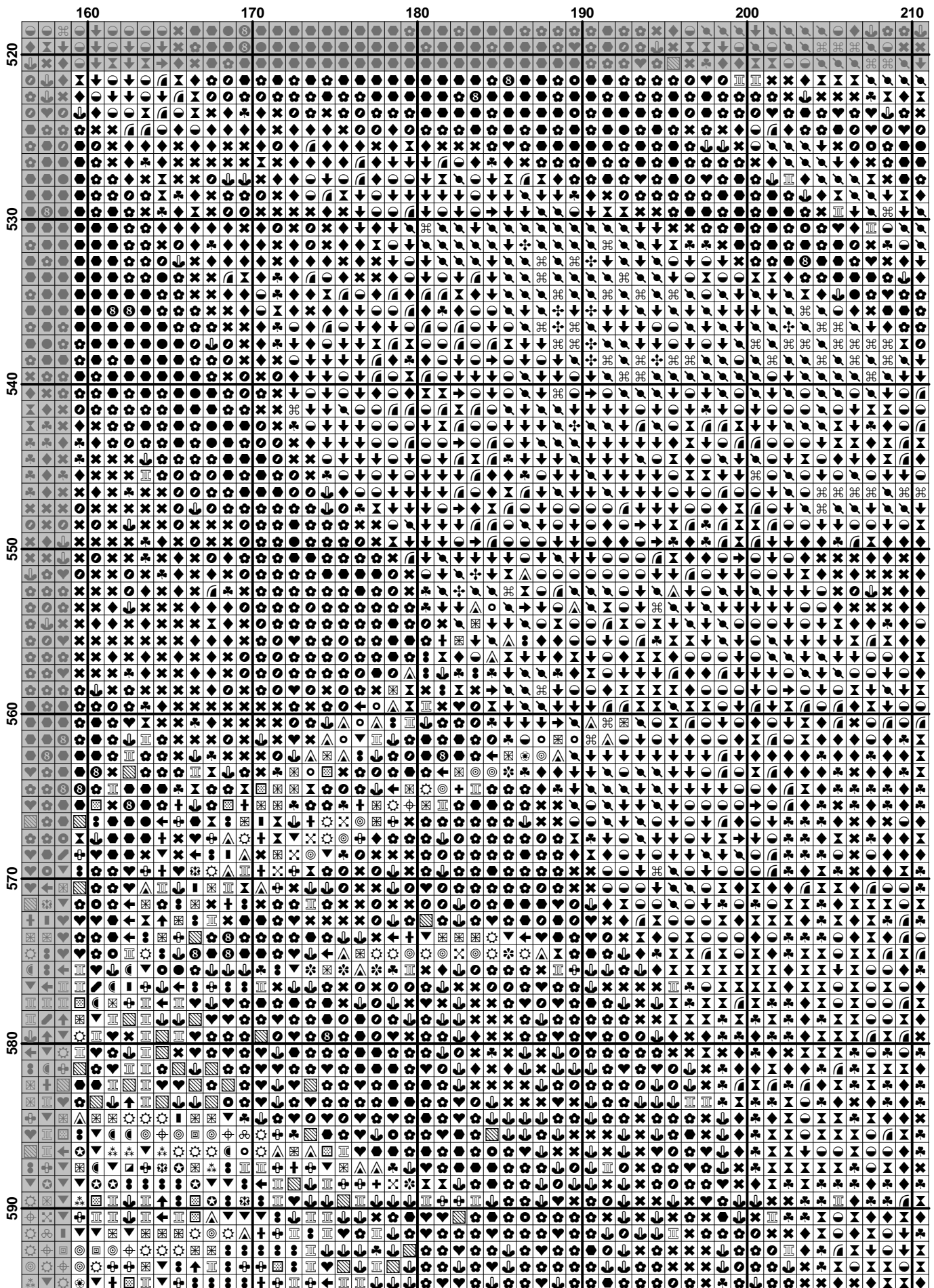
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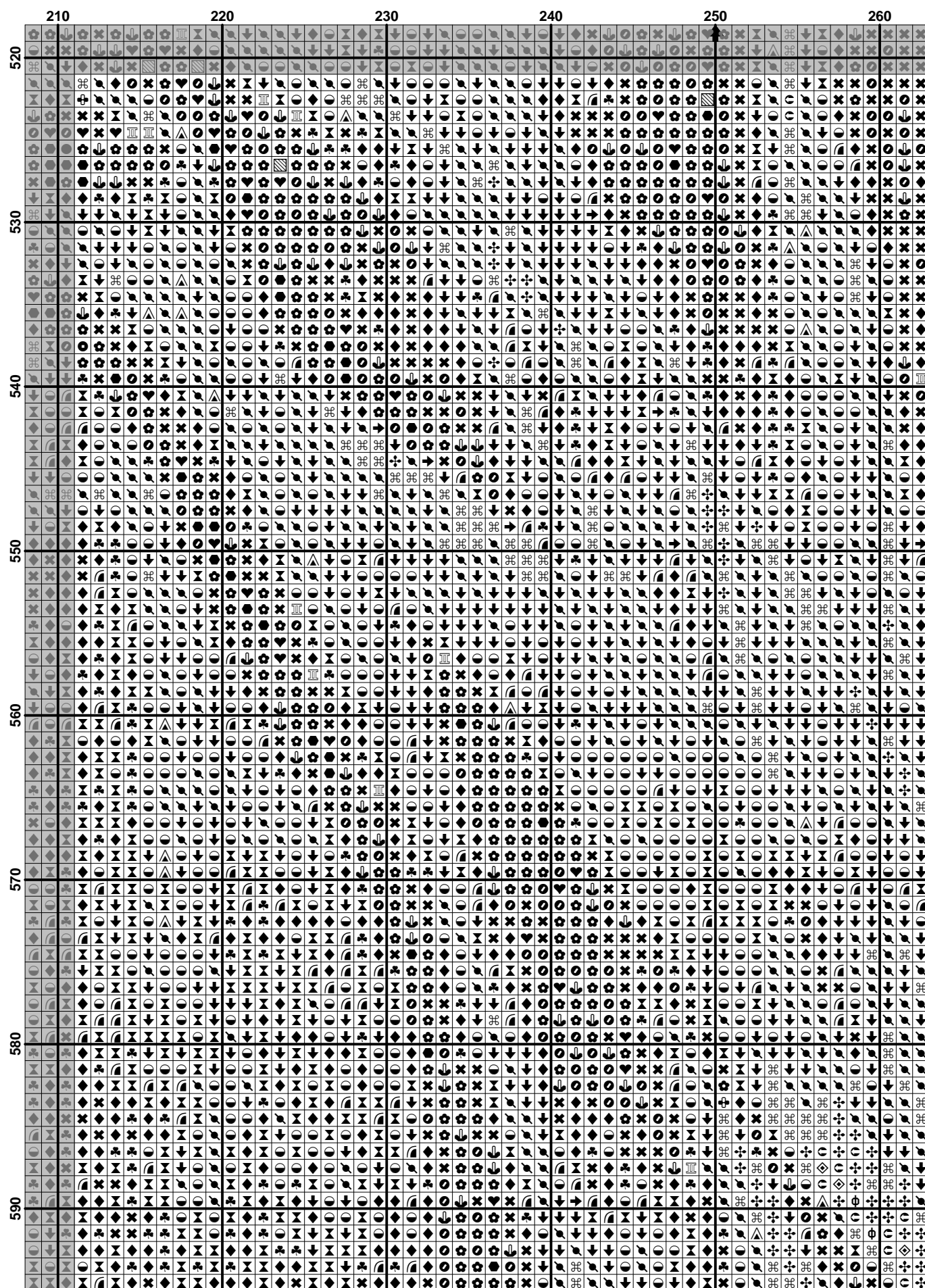


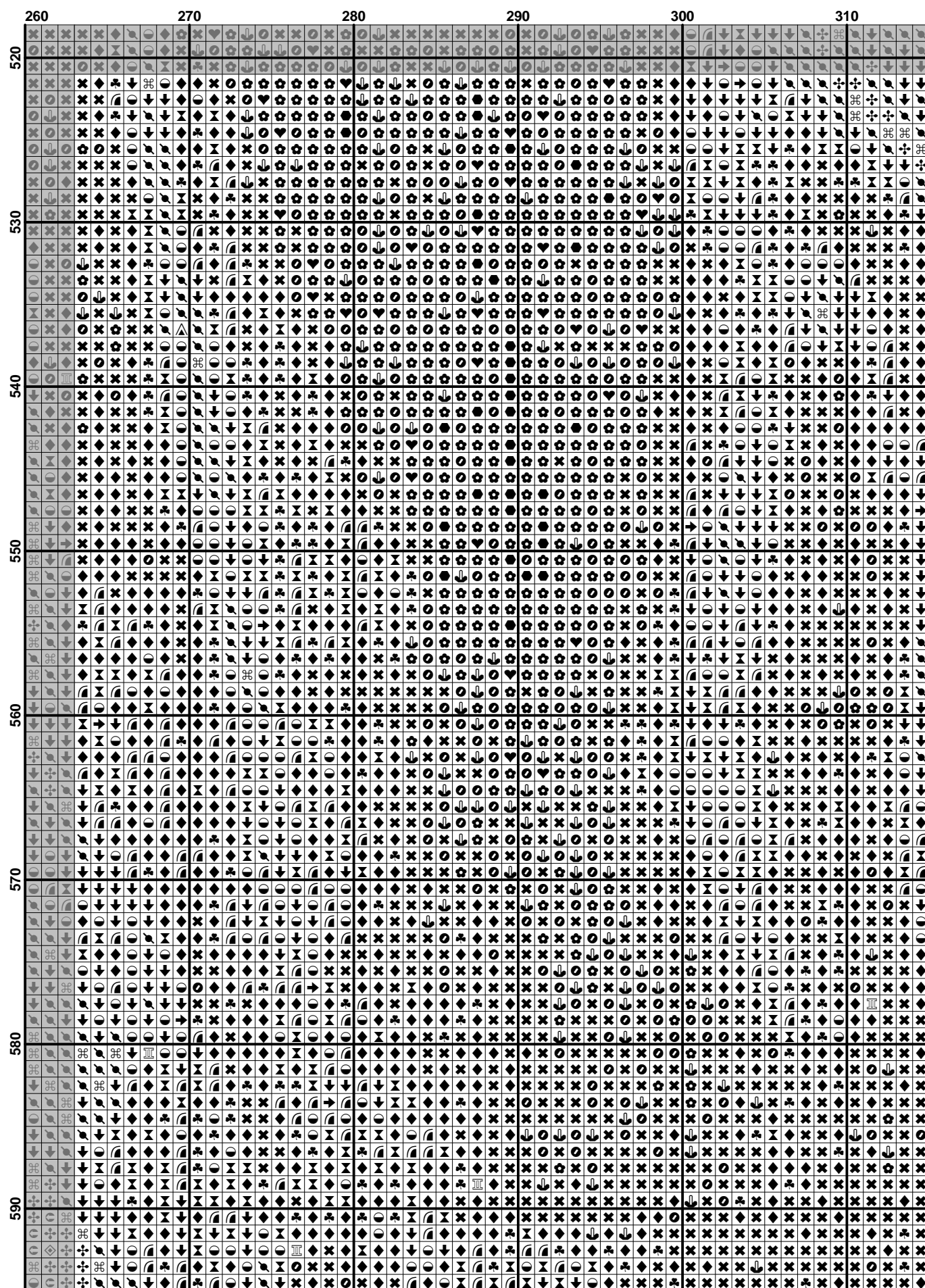


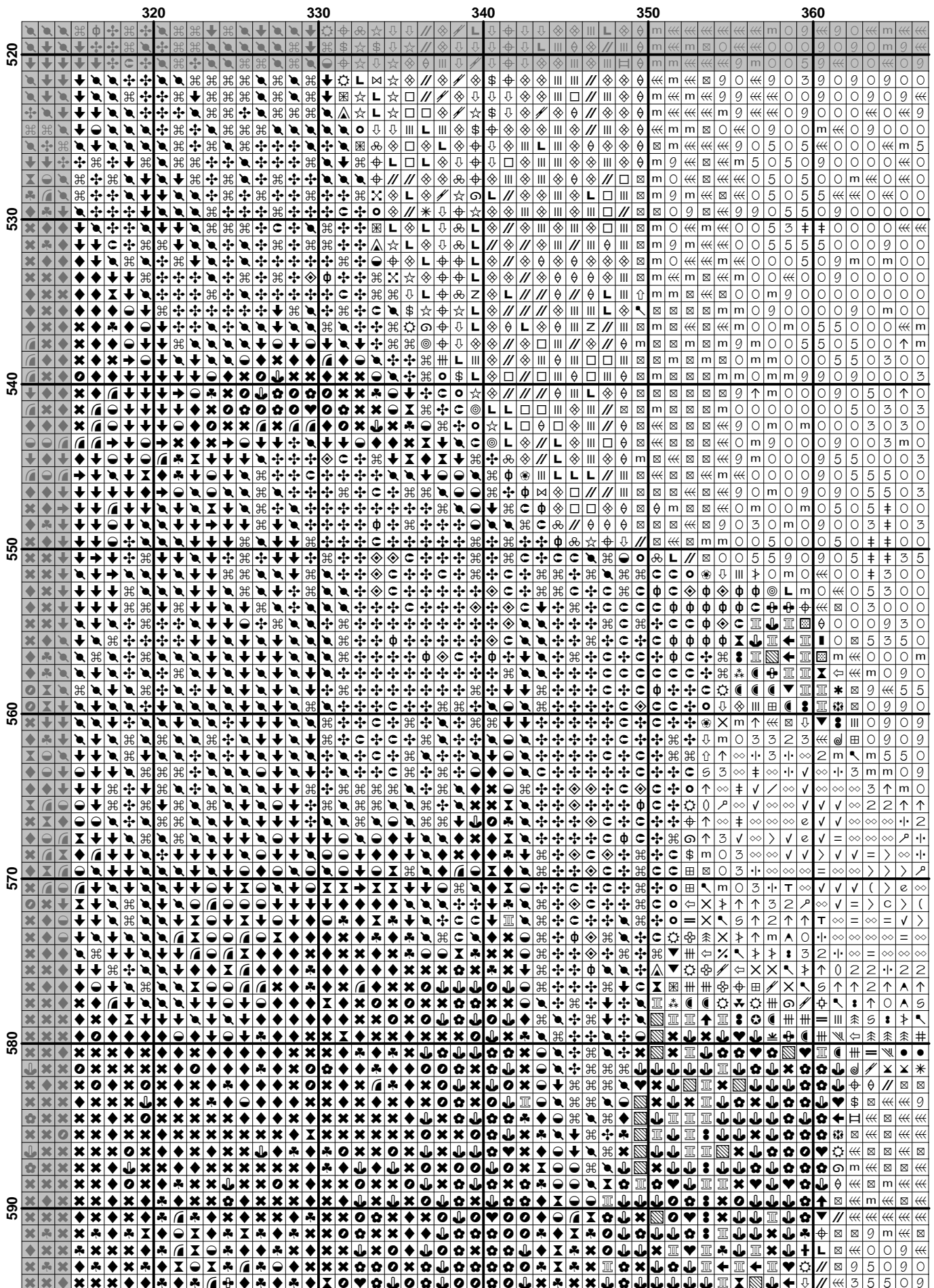












$$(88) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

[illegible]

(90)

