

1821 Guzzlers



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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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Guzzlers

Stitch Count	
Horizontal:	400
Vertical:	497

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:	73	28,44	90	35,35	64	24,89	79	30,93	57	22,125	70	27,5
Including Margins:	89	35	106	42	80	31	95	37	73	29	86	34
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	102	39,81	126	49,49	85	33,18	105	41,24	42	16,59	52	20,62
Including Margins:	118	46	142	56	101	40	121	48	58	23	68	27
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	40	15,92	50	19,79	39	15,31	48	19,03	37	14,74	46	18,32
Including Margins:	56	22	66	26	55	22	64	26	53	21	62	25
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	36	14,22	45	17,67	34	13,27	42	16,49	31	12,44	39	15,46
Including Margins:	52	21	61	24	50	20	58	23	47	19	55	22

Solid Color Stitches. Use two strands of the specified color for these stitches.

Symbol	DMC	Name
(225	Shell Pink-UL VY LT
■	310	Black
⚭	353	Peach
↖	356	Terra Cotta-MD
\$	407	Desert Sand-DK
◇	436	Tan
..	437	Tan-LT
≡	451	Shell Gray-DK
=	452	Shell Gray-MD
≡	453	Shell Gray-LT
+	535	Ash Gray-VY LT
6	543	Beige Brown-UL VY LT
⌒	632	Desert Sand-UL VY DK
◇	640	Beige Gray-VY DK
♦	645	Beaver Gray-VY DK
↗	646	Beaver Gray-DK
⌒	647	Beaver Gray-MD
♣	648	Beaver Gray-LT
—	738	Tan-VY LT
9	754	Peach-LT
2	758	Terra Cotta-VY LT
↓	801	Coffee Brown-DK
↑	838	Beige Brown-VY DK
▼	839	Beige Brown-DK
★	840	Beige Brown-MD
¼	841	Beige Brown-LT
☆	842	Beige Brown-VY LT
✱	844	Beaver Brown-UL DK
◎	927	Gray Green-LT
e	945	Tawny
	948	Peach-VY LT
5	950	Desert Sand-LT
<	951	Tawny-LT
■	3021	Brown Gray-VY DK
◇	3024	Brown Gray-VY LT
●	3031	Mocha Brown-VY DK
▣	3032	Mocha Brown-MD
⋈	3052	Green Gray-MD
↖	3064	Desert Sand
0	3072	Beaver Gray-VY LT
■	3371	Black Brown
o	3770	Tawny-VY LT
⌒	3772	Desert Sand-VY DK
±	3774	Desert Sand-VY LT
↖	3778	Terra Cotta-LT
√	3779	Terra Cotta-UL VY LT
×	3782	Mocha Brown-LT
o	3787	Brown Gray-DK
↓	3799	Pewter Gray-VY DK
◇	3823	Yellow-UL Pale
⋈	3825	Pumpkin-Pale
+	3827	Golden Brown-Pale
3	3856	Mahogany-UL VY LT

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☒	3858	Rosewood-MD
⊕	3859	Rosewood-LT
☐	3861	Cocoa-LT
☒	3862	Mocha Beige-DK
✕	3863	Mocha Beige-MD
⊕	3864	Mocha Beige-LT
•	3866	Mocha Brown-UL VY LT
○	Ecru	Ecru

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
U	1	White 1	746	Off White
⊕	223	Shell Pink-LT	841	Beige Brown-LT
::	224	Shell Pink-VY LT	738	Tan-VY LT
●	310	Black	934	Black Avocado Green
☐	315	Antique Mauve-VY DK	610	Drab Brown-DK
☐	315	Antique Mauve-VY DK	3772	Desert Sand-VY DK
☐	315	Antique Mauve-VY DK	3787	Brown Gray-DK
☐	315	Antique Mauve-VY DK	3790	Beige Gray-UL DK
☐	315	Antique Mauve-VY DK	3860	Cocoa
☐	315	Antique Mauve-VY DK	3862	Mocha Beige-DK
7	352	Coral-LT	3856	Mahogany-UL VY LT
▷	353	Peach	745	Yellow-LT Pale
^	353	Peach	746	Off White
)	353	Peach	3078	Golden Yellow-VY LT
□	353	Peach	3823	Yellow-UL Pale
//	356	Terra Cotta-MD	3722	Shell Pink-MD
L	356	Terra Cotta-MD	3772	Desert Sand-VY DK
◀	356	Terra Cotta-MD	3828	Hazelnut Brown
☐	356	Terra Cotta-MD	3859	Rosewood-LT
✕	371	Mustard	407	Desert Sand-DK
✕	372	Mustard-LT	3064	Desert Sand
†	402	Mahogany-VY LT	437	Tan-LT
≡	402	Mahogany-VY LT	3712	Salmon-MD
☐	407	Desert Sand-DK	422	Hazelnut Brown-LT
∩	407	Desert Sand-DK	612	Drab Brown-LT
•	407	Desert Sand-DK	841	Beige Brown-LT
☐	407	Desert Sand-DK	3782	Mocha Brown-LT
•	407	Desert Sand-DK	3859	Rosewood-LT
•	407	Desert Sand-DK	3863	Mocha Beige-MD
☐	413	Pewter Gray-DK	535	Ash Gray-VY LT
†	413	Pewter Gray-DK	3021	Brown Gray-VY DK
•	415	Pearl Gray	453	Shell Gray-LT
^	422	Hazelnut Brown-LT	3859	Rosewood-LT
τ	436	Tan	3778	Terra Cotta-LT
↑	437	Tan-LT	758	Terra Cotta-VY LT
▲	451	Shell Gray-DK	610	Drab Brown-DK
▲	451	Shell Gray-DK	645	Beaver Gray-VY DK
◀	451	Shell Gray-DK	840	Beige Brown-MD
*	451	Shell Gray-DK	3032	Mocha Brown-MD
○	452	Shell Gray-MD	842	Beige Brown-VY LT
☐	452	Shell Gray-MD	927	Gray Green-LT
◀	610	Drab Brown-DK	632	Desert Sand-UL VY DK

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⌘	612	Drab Brown-LT	3772	Desert Sand-VY DK
○	613	Drab Brown-VY LT	945	Tawny
◊	613	Drab Brown-VY LT	3864	Mocha Beige-LT
*	632	Desert Sand-UL VY DK	3862	Mocha Beige-DK
◎	640	Beige Gray-VY DK	3772	Desert Sand-VY DK
▲	645	Beaver Gray-VY DK	3860	Cocoa
☒	738	Tan-VY LT	3856	Mahogany-UL VY LT
✓	738	Tan-VY LT	3864	Mocha Beige-LT
4	739	Tan-UL VY LT	945	Tawny
↑	745	Yellow-LT Pale	3823	Yellow-UL Pale
:	745	Yellow-LT Pale	3824	Apricot-LT
1	746	Off White	819	Baby Pink-LT
~	746	Off White	948	Peach-VY LT
«	746	Off White	3770	Tawny-VY LT
n	746	Off White	3823	Yellow-UL Pale
/	754	Peach-LT	945	Tawny
○	754	Peach-LT	948	Peach-VY LT
♡	754	Peach-LT	3078	Golden Yellow-VY LT
#	758	Terra Cotta-VY LT	3778	Terra Cotta-LT
●	801	Coffee Brown-DK	839	Beige Brown-DK
←	838	Beige Brown-VY DK	839	Beige Brown-DK
♥	838	Beige Brown-VY DK	938	Coffee Brown-UL DK
→	838	Beige Brown-VY DK	3021	Brown Gray-VY DK
◆	838	Beige Brown-VY DK	3031	Mocha Brown-VY DK
⊙	838	Beige Brown-VY DK	3371	Black Brown
▲	839	Beige Brown-DK	844	Beaver Brown-UL DK
♣	839	Beige Brown-DK	3021	Brown Gray-VY DK
☉	839	Beige Brown-DK	3787	Brown Gray-DK
▶	839	Beige Brown-DK	3790	Beige Gray-UL DK
♣	839	Beige Brown-DK	3799	Pewter Gray-VY DK
●	839	Beige Brown-DK	3858	Rosewood-MD
☾	839	Beige Brown-DK	3860	Cocoa
☼	840	Beige Brown-MD	841	Beige Brown-LT
⚙	840	Beige Brown-MD	3860	Cocoa
☿	844	Beaver Brown-UL DK	3021	Brown Gray-VY DK
♂	844	Beaver Brown-UL DK	3787	Brown Gray-DK
♂	844	Beaver Brown-UL DK	3799	Pewter Gray-VY DK
♂	844	Beaver Brown-UL DK	3802	Antique Mauve-VY DK
♠	844	Beaver Brown-UL DK	3860	Cocoa
♠	934	Black Avocado Green	3799	Pewter Gray-VY DK
♠	938	Coffee Brown-UL DK	3799	Pewter Gray-VY DK
☾	938	Coffee Brown-UL DK	3802	Antique Mauve-VY DK
L	945	Tawny	3078	Golden Yellow-VY LT
⌘	3021	Brown Gray-VY DK	3799	Pewter Gray-VY DK
♂	3022	Brown Gray-MD	3860	Cocoa
✕	3031	Mocha Brown-VY DK	3799	Pewter Gray-VY DK
♂	3328	Salmon-DK	3778	Terra Cotta-LT
♣	3363	Pine Green-MD	3790	Beige Gray-UL DK
●	3371	Black Brown	3799	Pewter Gray-VY DK
III	3712	Salmon-MD	3825	Pumpkin-Pale
=	3740	Antique Violet-DK	3860	Cocoa
⇒	3770	Tawny-VY LT	3779	Terra Cotta-UL VY LT
♂	3772	Desert Sand-VY DK	3828	Hazelnut Brown
♣	3772	Desert Sand-VY DK	3830	Terra Cotta-MD
♣	3772	Desert Sand-VY DK	3858	Rosewood-MD
☾	3772	Desert Sand-VY DK	3860	Cocoa
✕	3772	Desert Sand-VY DK	3862	Mocha Beige-DK
♂	3782	Mocha Brown-LT	3861	Cocoa-LT
☒	3787	Brown Gray-DK	3802	Antique Mauve-VY DK

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✱	3787	Brown Gray-DK	3860	Cocoa
✱	3790	Beige Gray-UL DK	3860	Cocoa
✱	3799	Pewter Gray-VY DK	3802	Antique Mauve-VY DK
↔	3824	Apricot-LT	3855	Autumn Gold-LT
↔	3825	Pumpkin-Pale	3856	Mahogany-UL VY LT
♂	3855	Autumn Gold-LT	3856	Mahogany-UL VY LT
●	3858	Rosewood-MD	3862	Mocha Beige-DK
Z	3859	Rosewood-LT	3863	Mocha Beige-MD

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

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		14		16		18	
1	White 1	112	44	107	42	96	37
223	Shell Pink-LT	77	30	73	28	66	25
224	Shell Pink-VY LT	197	77	187	73	169	66
225	Shell Pink-UL VY LT	18	7	17	6	15	5
310	Black	954	375	909	357	818	322
315	Antique Mauve-VY DK	1941	764	1848	727	1664	655
352	Coral-LT	12	4	11	4	10	3
353	Peach	304	119	290	114	261	102
356	Terra Cotta-MD	73	28	70	27	63	24
371	Mustard	218	85	208	81	187	73
372	Mustard-LT	291	114	277	109	250	98
402	Mahogany-VY LT	43	16	41	16	37	14
407	Desert Sand-DK	1927	758	1835	722	1652	650
413	Pewter Gray-DK	259	101	247	97	222	87
415	Pearl Gray	2	1	2	1	2	1
422	Hazelnut Brown-LT	411	161	391	153	352	138
436	Tan	83	32	79	31	71	27
437	Tan-LT	200	78	190	74	171	67
451	Shell Gray-DK	960	377	914	359	823	324
452	Shell Gray-MD	38	14	36	14	32	12
453	Shell Gray-LT	19	7	18	7	16	6
535	Ash Gray-VY LT	242	95	231	90	208	81
543	Beige Brown-UL VY LT	36	14	34	13	31	12
610	Drab Brown-DK	947	372	902	355	812	319
612	Drab Brown-LT	376	148	358	140	322	126
613	Drab Brown-VY LT	229	90	218	85	197	77
632	Desert Sand-UL VY DK	189	74	180	70	162	63
640	Beige Gray-VY DK	522	205	497	195	448	176
645	Beaver Gray-VY DK	599	235	570	224	513	201
646	Beaver Gray-DK	19	7	18	7	16	6
647	Beaver Gray-MD	19	7	18	7	16	6
648	Beaver Gray-LT	7	2	7	2	6	2
738	Tan-VY LT	1329	523	1266	498	1139	448
739	Tan-UL VY LT	138	54	131	51	118	46
745	Yellow-LT Pale	222	87	212	83	191	75
746	Off White	461	181	439	172	395	155
754	Peach-LT	142	55	135	53	121	47
758	Terra Cotta-VY LT	122	48	116	45	105	41
801	Coffee Brown-DK	72	28	69	27	62	24
819	Baby Pink-LT	185	72	176	69	159	62
838	Beige Brown-VY DK	1135	446	1081	425	973	383
839	Beige Brown-DK	4358	1715	4151	1634	3736	1470
840	Beige Brown-MD	1984	781	1890	744	1701	669
841	Beige Brown-LT	1681	661	1601	630	1441	567
842	Beige Brown-VY LT	90	35	86	33	77	30
844	Beaver Brown-UL DK	3390	1334	3229	1271	2906	1144
927	Gray Green-LT	10	3	9	3	8	3
934	Black Avocado Green	532	209	506	199	456	179
938	Coffee Brown-UL DK	708	278	675	265	607	238
945	Tawny	858	337	817	321	736	289
948	Peach-VY LT	127	50	121	47	109	42
950	Desert Sand-LT	52	20	50	19	45	17
951	Tawny-LT	81	31	77	30	69	27

3021	Brown Gray-VY DK	2147	845	2045	805	1840	724
3022	Brown Gray-MD	166	65	158	62	143	56
3024	Brown Gray-VY LT	5	1	5	1	4	1
3031	Mocha Brown-VY DK	806	317	767	301	691	272
3032	Mocha Brown-MD	280	110	266	104	240	94
3052	Green Gray-MD	8	3	7	2	7	2
3064	Desert Sand	315	124	300	118	270	106
3072	Beaver Gray-VY LT	4	1	4	1	4	1
3078	Golden Yellow-VY LT	285	112	271	106	244	96
3328	Salmon-DK	11	4	11	4	10	3
3363	Pine Green-MD	12	4	11	4	10	3
3371	Black Brown	1605	631	1529	601	1376	541
3712	Salmon-MD	37	14	35	13	32	12
3722	Shell Pink-MD	8	3	7	2	7	2
3740	Antique Violet-DK	34	13	32	12	29	11
3770	Tawny-VY LT	151	59	143	56	129	50
3772	Desert Sand-VY DK	2074	816	1975	777	1778	700
3774	Desert Sand-VY LT	105	41	100	39	90	35
3778	Terra Cotta-LT	94	37	89	35	80	31
3779	Terra Cotta-UL VY LT	26	10	25	9	22	8
3782	Mocha Brown-LT	575	226	548	215	493	194
3787	Brown Gray-DK	2717	1069	2588	1018	2329	916
3790	Beige Gray-UL DK	1818	715	1732	681	1559	613
3799	Pewter Gray-VY DK	3878	1526	3694	1454	3324	1308
3802	Antique Mauve-VY DK	901	354	858	337	772	303
3823	Yellow-UL Pale	151	59	144	56	130	51
3824	Apricot-LT	184	72	175	68	158	62
3825	Pumpkin-Pale	57	22	54	21	49	19
3827	Golden Brown-Pale	9	3	9	3	8	3
3828	Hazelnut Brown	57	22	54	21	49	19
3830	Terra Cotta-MD	16	6	15	5	14	5
3855	Autumn Gold-LT	113	44	108	42	97	38
3856	Mahogany-UL VY LT	403	158	384	151	345	135
3858	Rosewood-MD	446	175	425	167	383	150
3859	Rosewood-LT	162	63	155	61	139	54
3860	Cocoa	4060	1598	3867	1522	3480	1370
3861	Cocoa-LT	127	50	121	47	109	42
3862	Mocha Beige-DK	1158	455	1103	434	993	390
3863	Mocha Beige-MD	782	307	745	293	671	264
3864	Mocha Beige-LT	1311	516	1249	491	1124	442
3866	Mocha Brown-UL VY LT	27	10	26	10	23	9
Ecru	Ecru	29	11	27	10	25	9

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
1	White 1	173	67	144	56	72	28
223	Shell Pink-LT	119	45	99	38	50	19
224	Shell Pink-VY LT	304	119	254	99	127	50
225	Shell Pink-UL VY LT	27	9	23	8	11	4
310	Black	1472	580	1227	483	614	242
315	Antique Mauve-VY DK	2995	1179	2496	983	1248	491
352	Coral-LT	18	5	15	5	8	2
353	Peach	470	184	392	153	196	77
356	Terra Cotta-MD	113	43	95	36	47	18
371	Mustard	337	131	281	110	140	55

372	Mustard-LT	450	176	375	147	188	74
402	Mahogany-VY LT	67	25	56	21	28	11
407	Desert Sand-DK	2974	1170	2478	975	1239	488
413	Pewter Gray-DK	400	157	333	131	167	65
415	Pearl Gray	4	2	3	2	2	1
422	Hazelnut Brown-LT	634	248	528	207	264	104
436	Tan	128	49	107	41	53	20
437	Tan-LT	308	121	257	101	128	50
451	Shell Gray-DK	1481	583	1235	486	617	243
452	Shell Gray-MD	58	22	48	18	24	9
453	Shell Gray-LT	29	11	24	9	12	5
535	Ash Gray-VY LT	374	146	312	122	156	61
543	Beige Brown-UL VY LT	56	22	47	18	23	9
610	Drab Brown-DK	1462	574	1218	479	609	239
612	Drab Brown-LT	580	227	483	189	242	95
613	Drab Brown-VY LT	355	139	296	116	148	58
632	Desert Sand-UL VY DK	292	113	243	95	122	47
640	Beige Gray-VY DK	806	317	672	264	336	132
645	Beaver Gray-VY DK	923	362	770	302	385	151
646	Beaver Gray-DK	29	11	24	9	12	5
647	Beaver Gray-MD	29	11	24	9	12	5
648	Beaver Gray-LT	11	4	9	3	5	2
738	Tan-VY LT	2050	806	1709	672	854	336
739	Tan-UL VY LT	212	83	177	69	89	35
745	Yellow-LT Pale	344	135	287	113	143	56
746	Off White	711	279	593	233	296	116
754	Peach-LT	218	85	182	71	91	35
758	Terra Cotta-VY LT	189	74	158	62	79	31
801	Coffee Brown-DK	112	43	93	36	47	18
819	Baby Pink-LT	286	112	239	93	119	47
838	Beige Brown-VY DK	1751	689	1460	575	730	287
839	Beige Brown-DK	6725	2646	5604	2205	2802	1103
840	Beige Brown-MD	3062	1204	2552	1004	1276	502
841	Beige Brown-LT	2594	1021	2162	851	1081	425
842	Beige Brown-VY LT	139	54	116	45	58	23
844	Beaver Brown-UL DK	5231	2059	4359	1716	2180	858
927	Gray Green-LT	14	5	12	5	6	2
934	Black Avocado Green	821	322	684	269	342	134
938	Coffee Brown-UL DK	1093	428	911	357	455	179
945	Tawny	1325	520	1104	434	552	217
948	Peach-VY LT	196	76	164	63	82	32
950	Desert Sand-LT	81	31	68	26	34	13
951	Tawny-LT	124	49	104	41	52	20
3021	Brown Gray-VY DK	3312	1303	2760	1086	1380	543
3022	Brown Gray-MD	257	101	215	84	107	42
3024	Brown Gray-VY LT	7	2	6	2	3	1
3031	Mocha Brown-VY DK	1244	490	1037	408	518	204
3032	Mocha Brown-MD	432	169	360	141	180	71
3052	Green Gray-MD	13	4	11	3	5	2
3064	Desert Sand	486	191	405	159	203	80
3072	Beaver Gray-VY LT	7	2	6	2	3	1
3078	Golden Yellow-VY LT	439	173	366	144	183	72
3328	Salmon-DK	18	5	15	5	8	2
3363	Pine Green-MD	18	5	15	5	8	2
3371	Black Brown	2477	974	2064	812	1032	406
3712	Salmon-MD	58	22	48	18	24	9
3722	Shell Pink-MD	13	4	11	3	5	2
3740	Antique Violet-DK	52	20	44	17	22	8
3770	Tawny-VY LT	232	90	194	75	97	38

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3772	Desert Sand-VY DK	3200	1260	2667	1050	1334	525
3774	Desert Sand-VY LT	162	63	135	53	68	26
3778	Terra Cotta-LT	144	56	120	47	60	23
3779	Terra Cotta-UL VY LT	40	14	33	12	17	6
3782	Mocha Brown-LT	887	349	740	291	370	146
3787	Brown Gray-DK	4192	1649	3494	1374	1747	687
3790	Beige Gray-UL DK	2806	1103	2339	920	1169	460
3799	Pewter Gray-VY DK	5983	2354	4986	1962	2493	981
3802	Antique Mauve-VY DK	1390	545	1158	455	579	227
3823	Yellow-UL Pale	234	92	195	77	98	38
3824	Apricot-LT	284	112	237	93	119	47
3825	Pumpkin-Pale	88	34	74	29	37	14
3827	Golden Brown-Pale	14	5	12	5	6	2
3828	Hazelnut Brown	88	34	74	29	37	14
3830	Terra Cotta-MD	25	9	21	8	11	4
3855	Autumn Gold-LT	175	68	146	57	73	29
3856	Mahogany-UL VY LT	621	243	518	203	259	101
3858	Rosewood-MD	689	270	575	225	287	113
3859	Rosewood-LT	250	97	209	81	104	41
3860	Cocoa	6264	2466	5220	2055	2610	1028
3861	Cocoa-LT	196	76	164	63	82	32
3862	Mocha Beige-DK	1787	702	1490	585	745	293
3863	Mocha Beige-MD	1208	475	1007	396	503	198
3864	Mocha Beige-LT	2023	796	1686	663	843	332
3866	Mocha Brown-UL VY LT	41	16	35	14	17	7
Ecru	Ecru	45	16	38	14	19	7

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
1	White 1	69	27	66	26	64	25
223	Shell Pink-LT	48	18	46	17	44	17
224	Shell Pink-VY LT	122	48	117	46	113	44
225	Shell Pink-UL VY LT	11	4	10	3	10	3
310	Black	589	232	566	223	545	215
315	Antique Mauve-VY DK	1198	472	1152	453	1109	437
352	Coral-LT	7	2	7	2	7	2
353	Peach	188	73	181	71	174	68
356	Terra Cotta-MD	45	17	44	17	42	16
371	Mustard	135	53	129	51	125	49
372	Mustard-LT	180	71	173	68	167	65
402	Mahogany-VY LT	27	10	26	10	25	9
407	Desert Sand-DK	1189	468	1144	450	1101	433
413	Pewter Gray-DK	160	63	154	60	148	58
415	Pearl Gray	1	1	1	1	1	1
422	Hazelnut Brown-LT	253	99	244	96	235	92
436	Tan	51	19	49	19	47	18
437	Tan-LT	123	48	118	46	114	45
451	Shell Gray-DK	593	233	570	224	549	216
452	Shell Gray-MD	23	9	22	8	21	8
453	Shell Gray-LT	12	4	11	4	11	4
535	Ash Gray-VY LT	150	58	144	56	139	54
543	Beige Brown-UL VY LT	22	9	21	8	21	8
610	Drab Brown-DK	585	230	562	221	541	213
612	Drab Brown-LT	232	91	223	87	215	84
613	Drab Brown-VY LT	142	55	136	53	131	51

632	Desert Sand-UL VY DK	117	45	112	44	108	42
640	Beige Gray-VY DK	323	127	310	122	299	117
645	Beaver Gray-VY DK	369	145	355	139	342	134
646	Beaver Gray-DK	12	4	11	4	11	4
647	Beaver Gray-MD	12	4	11	4	11	4
648	Beaver Gray-LT	4	1	4	1	4	1
738	Tan-VY LT	820	323	789	310	759	299
739	Tan-UL VY LT	85	33	82	32	79	31
745	Yellow-LT Pale	138	54	132	52	127	50
746	Off White	284	112	273	107	263	103
754	Peach-LT	87	34	84	33	81	31
758	Terra Cotta-VY LT	76	30	73	28	70	27
801	Coffee Brown-DK	45	17	43	17	41	16
819	Baby Pink-LT	114	45	110	43	106	41
838	Beige Brown-VY DK	701	276	674	265	649	255
839	Beige Brown-DK	2690	1058	2586	1018	2491	980
840	Beige Brown-MD	1225	482	1178	463	1134	446
841	Beige Brown-LT	1038	408	998	393	961	378
842	Beige Brown-VY LT	55	22	53	21	51	20
844	Beaver Brown-UL DK	2092	824	2012	792	1937	763
927	Gray Green-LT	6	2	6	2	5	2
934	Black Avocado Green	328	129	316	124	304	119
938	Coffee Brown-UL DK	437	171	420	165	405	159
945	Tawny	530	208	510	200	491	193
948	Peach-VY LT	78	30	75	29	73	28
950	Desert Sand-LT	32	12	31	12	30	11
951	Tawny-LT	50	19	48	19	46	18
3021	Brown Gray-VY DK	1325	521	1274	501	1227	483
3022	Brown Gray-MD	103	40	99	39	95	37
3024	Brown Gray-VY LT	3	1	3	1	3	1
3031	Mocha Brown-VY DK	498	196	478	188	461	181
3032	Mocha Brown-MD	173	68	166	65	160	63
3052	Green Gray-MD	5	1	5	1	5	1
3064	Desert Sand	194	76	187	73	180	71
3072	Beaver Gray-VY LT	3	1	3	1	3	1
3078	Golden Yellow-VY LT	176	69	169	66	163	64
3328	Salmon-DK	7	2	7	2	7	2
3363	Pine Green-MD	7	2	7	2	7	2
3371	Black Brown	991	390	953	375	917	361
3712	Salmon-MD	23	9	22	8	21	8
3722	Shell Pink-MD	5	1	5	1	5	1
3740	Antique Violet-DK	21	8	20	8	19	7
3770	Tawny-VY LT	93	36	89	35	86	33
3772	Desert Sand-VY DK	1280	504	1231	485	1185	467
3774	Desert Sand-VY LT	65	25	62	24	60	23
3778	Terra Cotta-LT	58	22	55	21	53	21
3779	Terra Cotta-UL VY LT	16	6	15	6	15	5
3782	Mocha Brown-LT	355	140	341	134	329	129
3787	Brown Gray-DK	1677	660	1612	634	1553	611
3790	Beige Gray-UL DK	1122	441	1079	424	1039	409
3799	Pewter Gray-VY DK	2393	942	2301	906	2216	872
3802	Antique Mauve-VY DK	556	218	534	210	515	202
3823	Yellow-UL Pale	94	37	90	35	87	34
3824	Apricot-LT	114	45	109	43	105	41
3825	Pumpkin-Pale	35	14	34	13	33	13
3827	Golden Brown-Pale	6	2	6	2	5	2
3828	Hazelnut Brown	35	14	34	13	33	13
3830	Terra Cotta-MD	10	4	10	3	9	3
3855	Autumn Gold-LT	70	27	67	26	65	25

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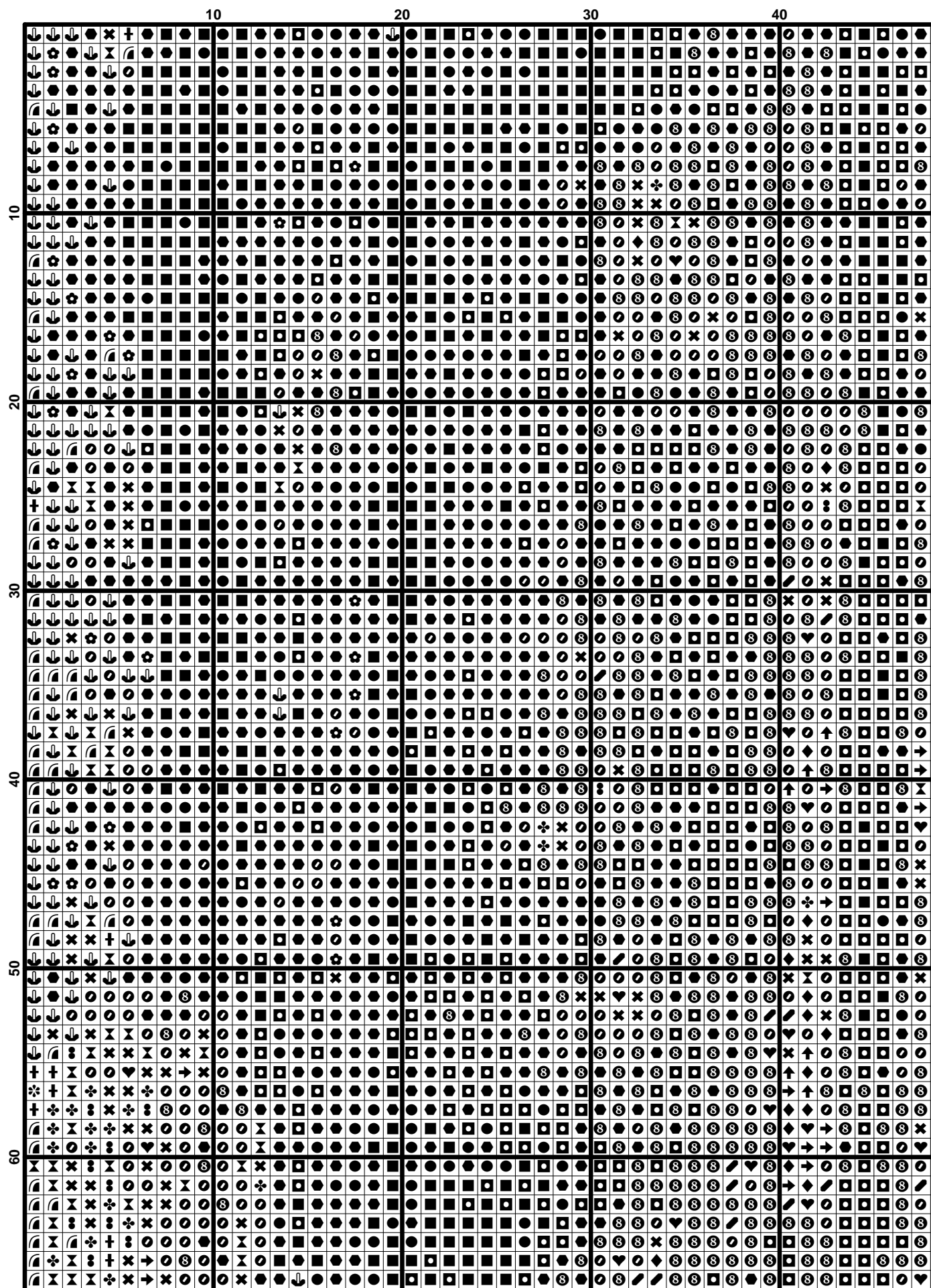
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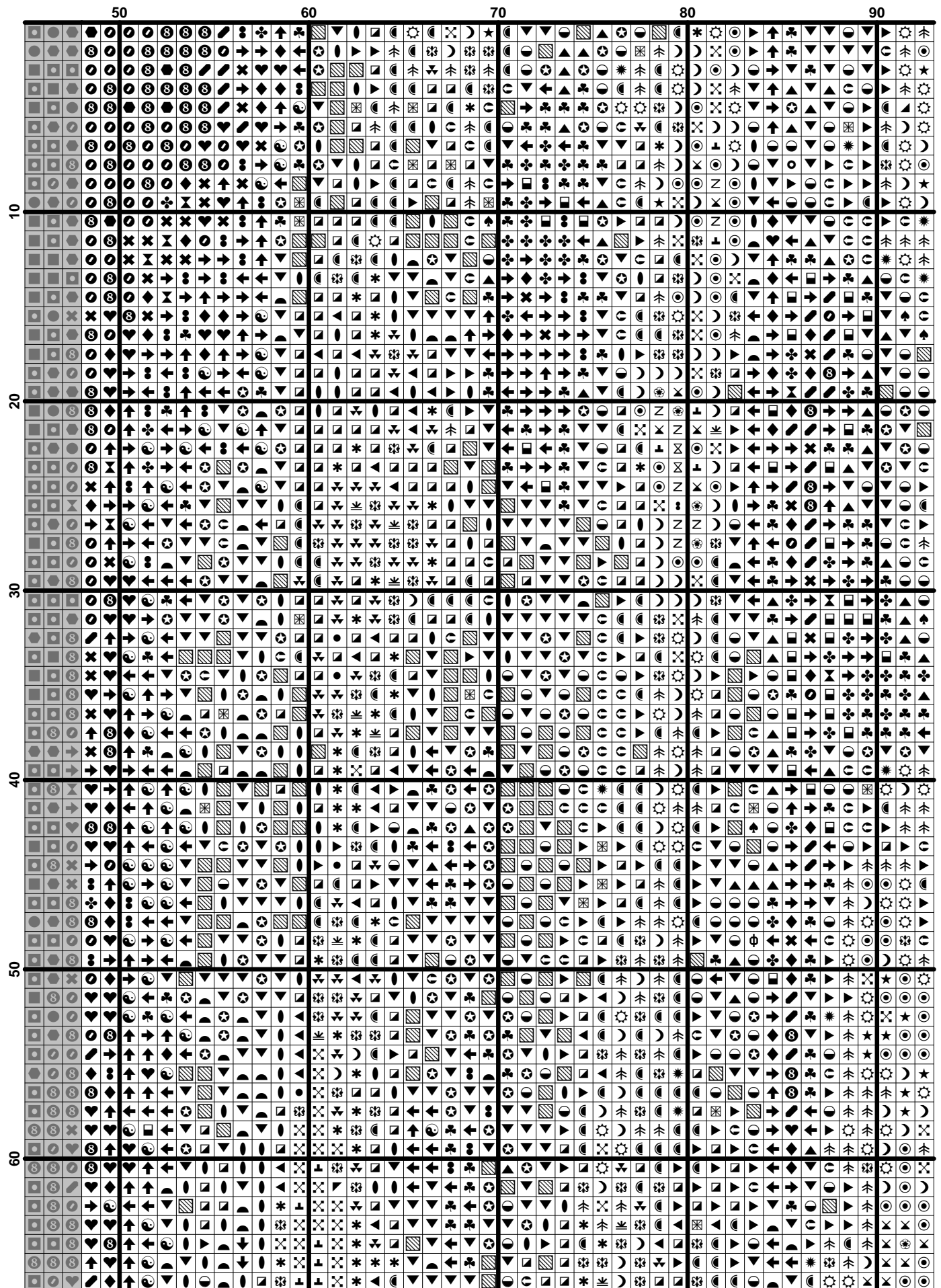
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3856	Mahogany-UL VY LT	248	97	239	93	230	90
3858	Rosewood-MD	276	108	265	104	255	100
3859	Rosewood-LT	100	39	96	37	93	36
3860	Cocoa	2506	986	2409	948	2320	913
3861	Cocoa-LT	78	30	75	29	73	28
3862	Mocha Beige-DK	715	281	687	270	662	260
3863	Mocha Beige-MD	483	190	465	183	447	176
3864	Mocha Beige-LT	809	318	778	306	749	295
3866	Mocha Brown-UL VY LT	17	6	16	6	15	6
Ecru	Ecru	18	6	17	6	17	6

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
1	White 1	62	24	58	22	54	21
223	Shell Pink-LT	42	16	40	15	37	14
224	Shell Pink-VY LT	109	42	101	40	95	37
225	Shell Pink-UL VY LT	10	3	9	3	8	3
310	Black	526	207	491	193	460	181
315	Antique Mauve-VY DK	1070	421	998	393	936	368
352	Coral-LT	6	2	6	2	6	2
353	Peach	168	66	157	61	147	57
356	Terra Cotta-MD	41	15	38	14	35	14
371	Mustard	120	47	112	44	105	41
372	Mustard-LT	161	63	150	59	141	55
402	Mahogany-VY LT	24	9	22	8	21	8
407	Desert Sand-DK	1062	418	991	390	929	366
413	Pewter Gray-DK	143	56	133	52	125	49
415	Pearl Gray	1	1	1	1	1	1
422	Hazelnut Brown-LT	226	89	211	83	198	78
436	Tan	46	17	43	16	40	15
437	Tan-LT	110	43	103	40	96	38
451	Shell Gray-DK	529	208	494	194	463	182
452	Shell Gray-MD	21	8	19	7	18	7
453	Shell Gray-LT	10	4	10	4	9	3
535	Ash Gray-VY LT	134	52	125	49	117	46
543	Beige Brown-UL VY LT	20	8	19	7	17	7
610	Drab Brown-DK	522	205	487	191	457	179
612	Drab Brown-LT	207	81	193	76	181	71
613	Drab Brown-VY LT	127	50	118	46	111	43
632	Desert Sand-UL VY DK	104	41	97	38	91	35
640	Beige Gray-VY DK	288	113	269	106	252	99
645	Beaver Gray-VY DK	330	129	308	121	289	113
646	Beaver Gray-DK	10	4	10	4	9	3
647	Beaver Gray-MD	10	4	10	4	9	3
648	Beaver Gray-LT	4	1	4	1	3	1
738	Tan-VY LT	732	288	683	269	641	252
739	Tan-UL VY LT	76	30	71	28	66	26
745	Yellow-LT Pale	123	48	115	45	107	42
746	Off White	254	100	237	93	222	87
754	Peach-LT	78	30	73	28	68	26
758	Terra Cotta-VY LT	68	26	63	25	59	23
801	Coffee Brown-DK	40	15	37	14	35	14
819	Baby Pink-LT	102	40	95	37	89	35
838	Beige Brown-VY DK	626	246	584	230	547	215
839	Beige Brown-DK	2402	945	2242	882	2102	827

840	Beige Brown-MD	1094	430	1021	401	957	376
841	Beige Brown-LT	926	365	865	340	811	319
842	Beige Brown-VY LT	50	19	46	18	43	17
844	Beaver Brown-UL DK	1868	735	1744	686	1635	644
927	Gray Green-LT	5	2	5	2	5	2
934	Black Avocado Green	293	115	274	107	257	101
938	Coffee Brown-UL DK	390	153	364	143	341	134
945	Tawny	473	186	442	173	414	163
948	Peach-VY LT	70	27	65	25	61	24
950	Desert Sand-LT	29	11	27	10	25	10
951	Tawny-LT	44	17	41	16	39	15
3021	Brown Gray-VY DK	1183	465	1104	434	1035	407
3022	Brown Gray-MD	92	36	86	34	80	32
3024	Brown Gray-VY LT	3	1	2	1	2	1
3031	Mocha Brown-VY DK	444	175	415	163	389	153
3032	Mocha Brown-MD	154	60	144	56	135	53
3052	Green Gray-MD	5	1	4	1	4	1
3064	Desert Sand	174	68	162	64	152	60
3072	Beaver Gray-VY LT	3	1	2	1	2	1
3078	Golden Yellow-VY LT	157	62	146	58	137	54
3328	Salmon-DK	6	2	6	2	6	2
3363	Pine Green-MD	6	2	6	2	6	2
3371	Black Brown	885	348	826	325	774	304
3712	Salmon-MD	21	8	19	7	18	7
3722	Shell Pink-MD	5	1	4	1	4	1
3740	Antique Violet-DK	19	7	17	7	16	6
3770	Tawny-VY LT	83	32	77	30	73	28
3772	Desert Sand-VY DK	1143	450	1067	420	1000	394
3774	Desert Sand-VY LT	58	23	54	21	51	20
3778	Terra Cotta-LT	51	20	48	19	45	17
3779	Terra Cotta-UL VY LT	14	5	13	5	12	5
3782	Mocha Brown-LT	317	125	296	116	277	109
3787	Brown Gray-DK	1497	589	1397	550	1310	515
3790	Beige Gray-UL DK	1002	394	935	368	877	345
3799	Pewter Gray-VY DK	2137	841	1994	785	1870	736
3802	Antique Mauve-VY DK	496	195	463	182	434	170
3823	Yellow-UL Pale	84	33	78	31	73	29
3824	Apricot-LT	102	40	95	37	89	35
3825	Pumpkin-Pale	32	12	29	11	28	11
3827	Golden Brown-Pale	5	2	5	2	5	2
3828	Hazelnut Brown	32	12	29	11	28	11
3830	Terra Cotta-MD	9	3	8	3	8	3
3855	Autumn Gold-LT	62	24	58	23	55	21
3856	Mahogany-UL VY LT	222	87	207	81	194	76
3858	Rosewood-MD	246	96	230	90	215	84
3859	Rosewood-LT	89	35	83	32	78	30
3860	Cocoa	2237	881	2088	822	1958	771
3861	Cocoa-LT	70	27	65	25	61	24
3862	Mocha Beige-DK	638	251	596	234	559	219
3863	Mocha Beige-MD	431	170	403	158	377	149
3864	Mocha Beige-LT	723	284	674	265	632	249
3866	Mocha Brown-UL VY LT	15	6	14	5	13	5
Ecru	Ecru	16	6	15	5	14	5





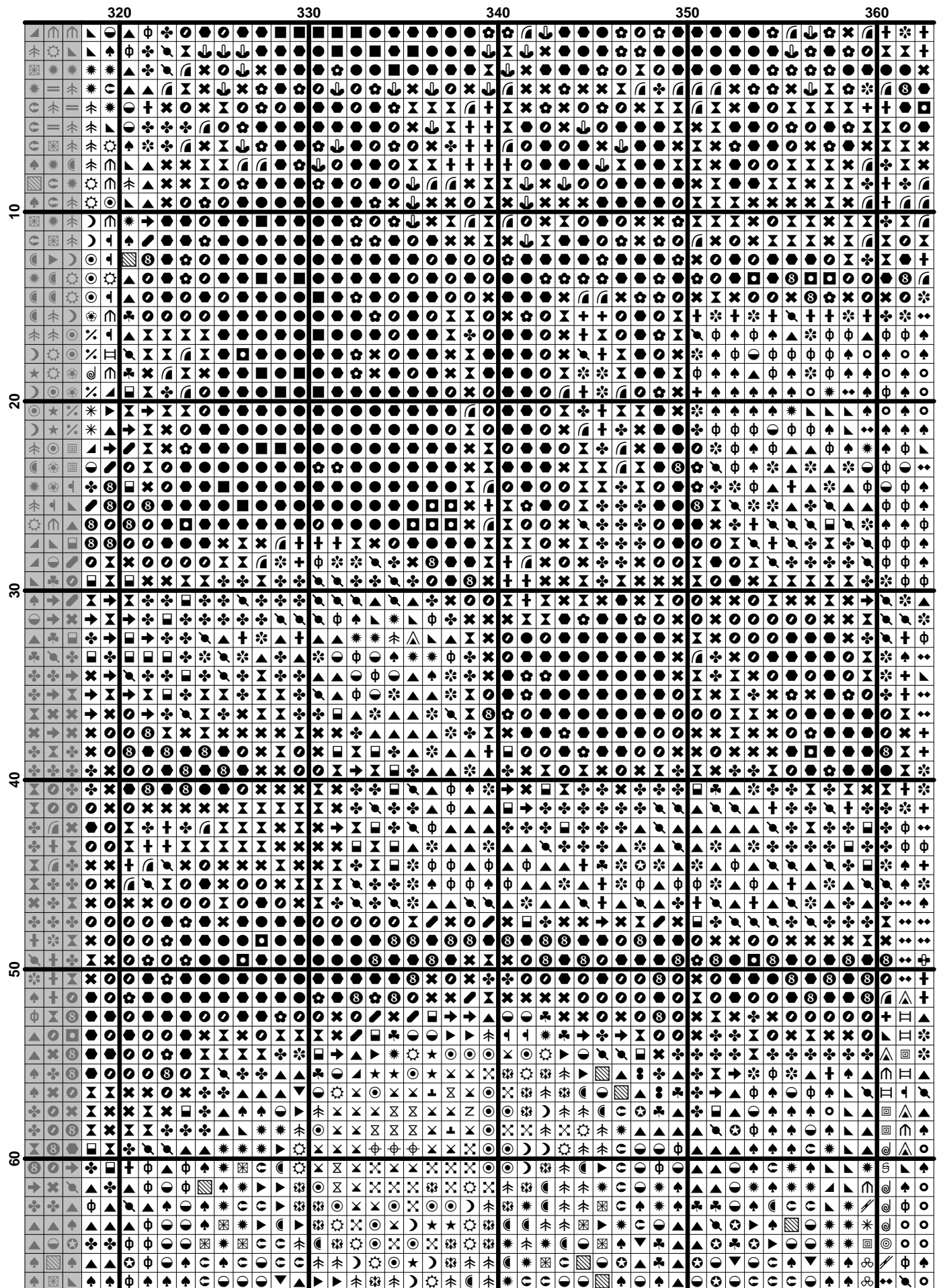
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690	☀	☀	☀	☀	☀
700	☀	☀	☀	☀	☀
710	☀	☀	☀	☀	☀
720	☀	☀	☀	☀	☀
730	☀	☀	☀	☀	☀
740	☀	☀	☀	☀	☀
750	☀	☀	☀	☀	☀
760	☀	☀	☀	☀	☀
770	☀	☀	☀	☀	☀
780	☀	☀	☀	☀	☀
790	☀	☀	☀	☀	☀
800	☀	☀	☀	☀	☀
810	☀	☀	☀	☀	☀
820	☀	☀	☀	☀	☀
830	☀	☀	☀	☀	☀
840	☀	☀	☀	☀	☀
850	☀	☀	☀	☀	☀
860	☀	☀	☀	☀	☀
870	☀	☀	☀	☀	☀
880	☀	☀	☀	☀	☀
890	☀	☀	☀	☀	☀
900	☀	☀	☀	☀	☀
910	☀	☀	☀	☀	☀
920	☀	☀	☀	☀	☀
930	☀	☀	☀	☀	☀
940	☀	☀	☀	☀	☀
950	☀	☀	☀	☀	☀
960	☀	☀	☀	☀	☀
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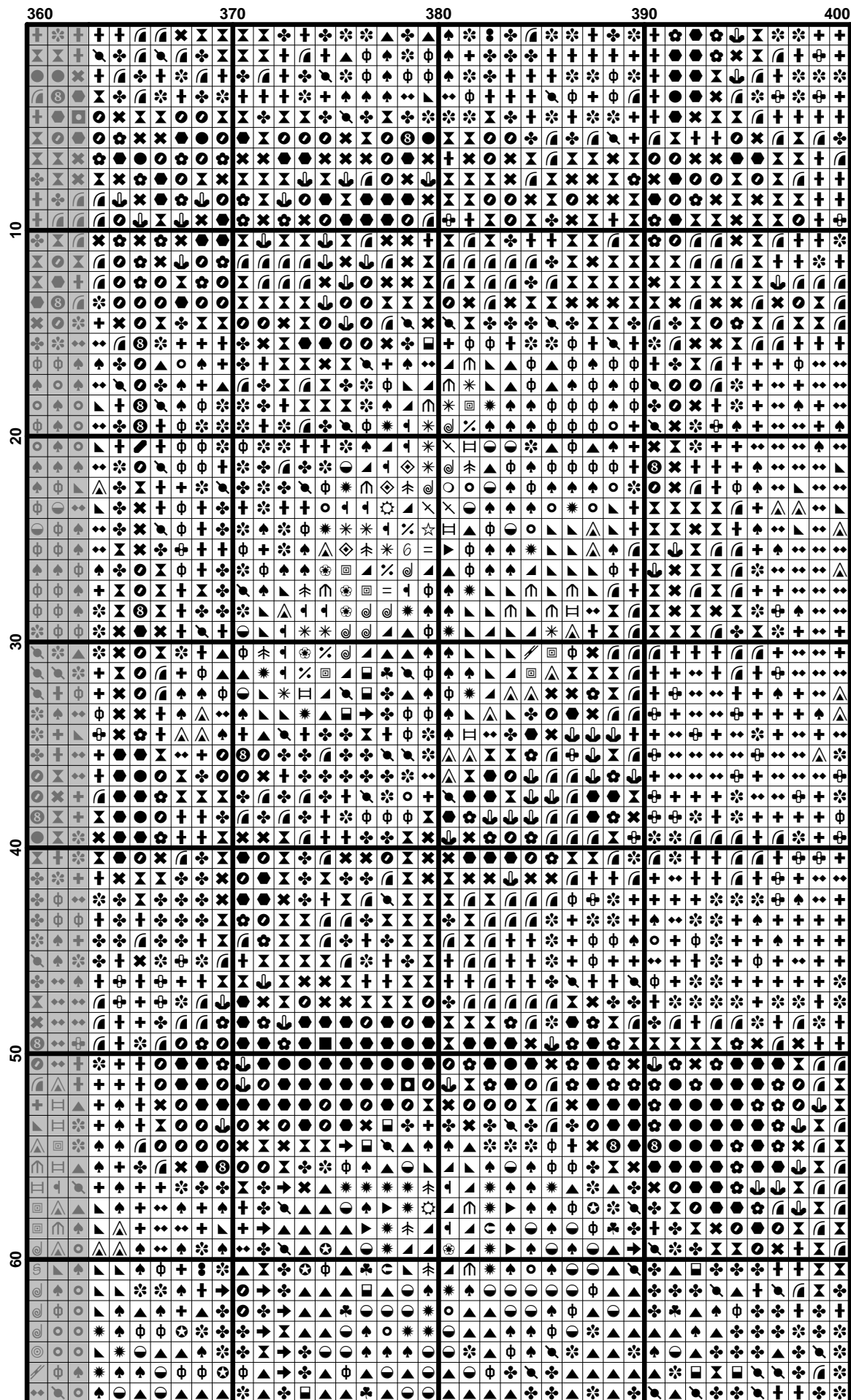
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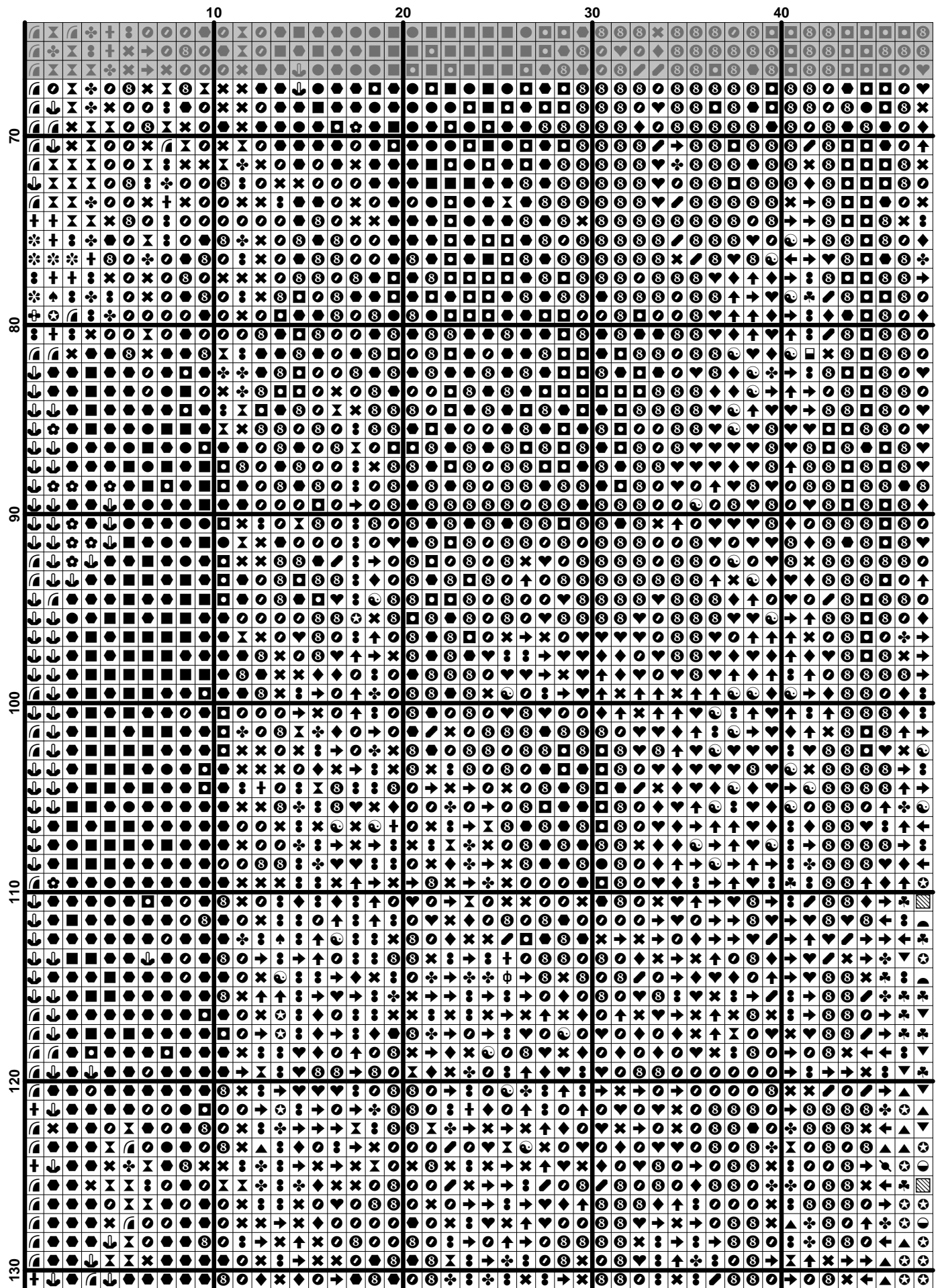
	180	190	200	210	220
10					
20					
30					
40					
50					
60					

	230	240	250	260	270
10					
20					
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50					
60					

$$(16) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$







	50	60	70	80	90
70					
80					
90					
100					
110					
120					
130					

$$(21) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (22)$$

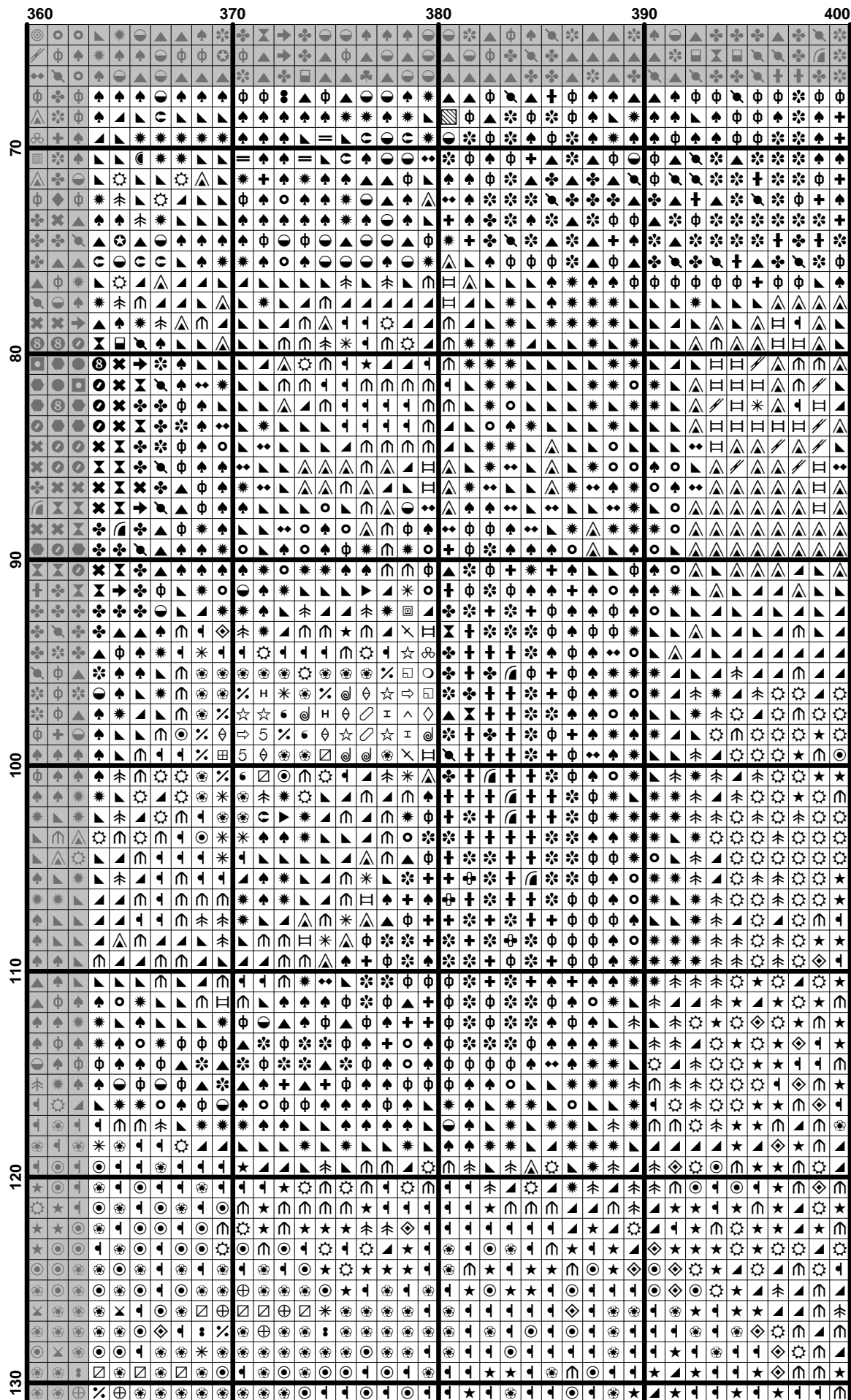
$$(22) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (23)$$

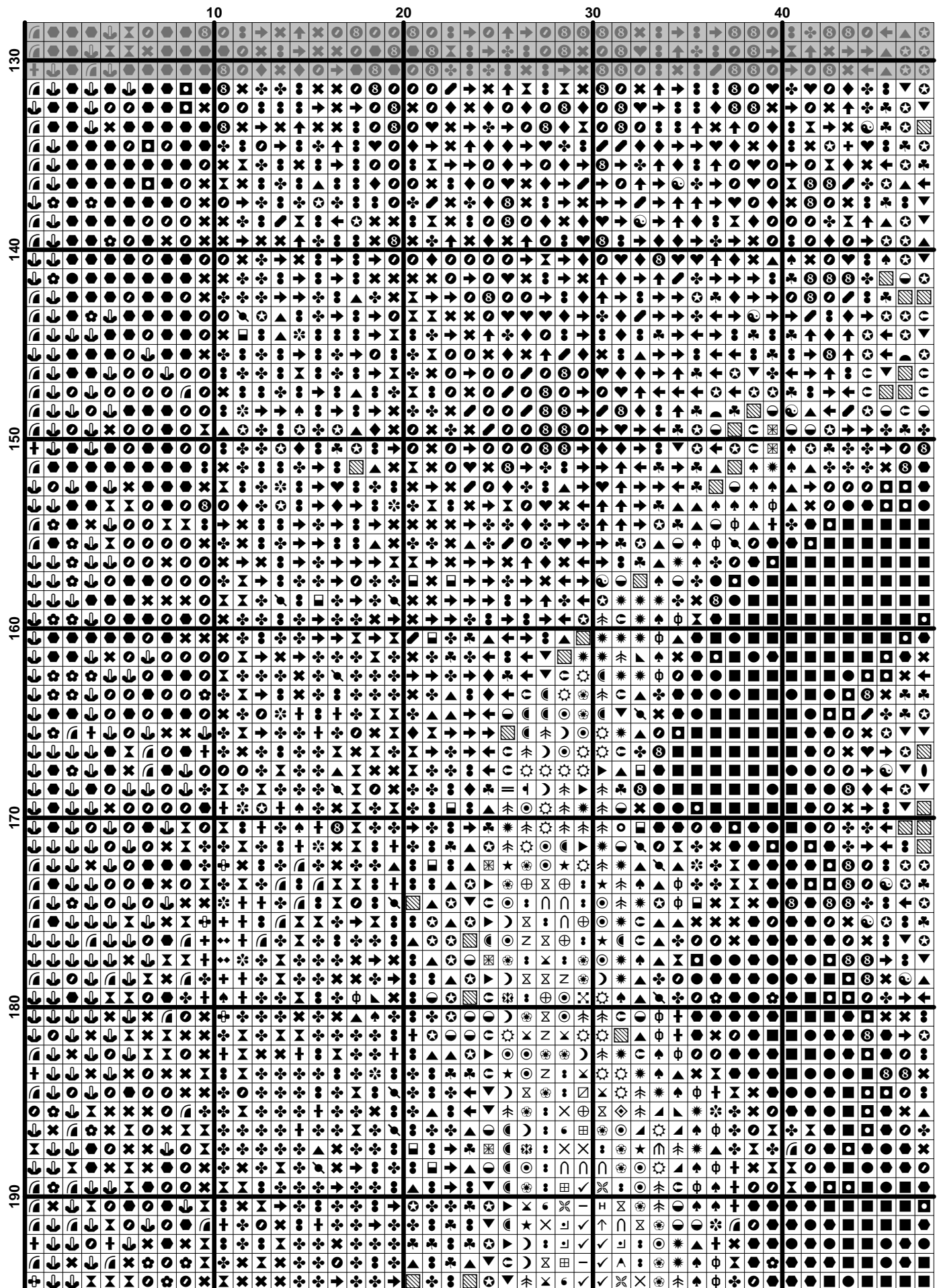
$$(23) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

$$(24) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (25)$$

	270	280	290	300	310
70					
80					
90					
100					
110					
120					
130					

$$(26) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (27)$$





$$(29) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

	90	100	110	120	130
130	↑	↑	↑	↑	↑
140	↑	↑	↑	↑	↑
150	↑	↑	↑	↑	↑
160	↑	↑	↑	↑	↑
170	↑	↑	↑	↑	↑
180	↑	↑	↑	↑	↑
190	↑	↑	↑	↑	↑

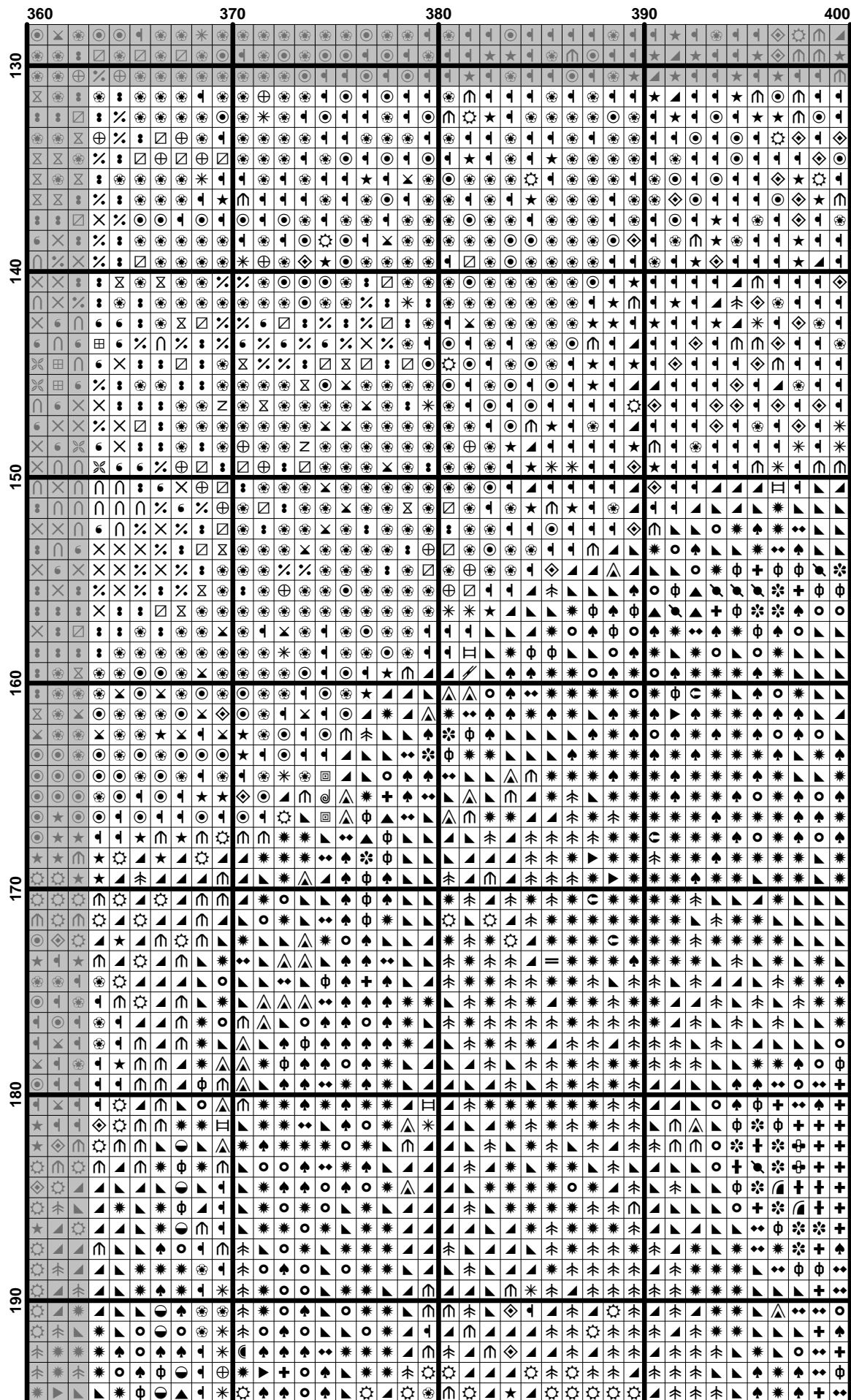
[illegible]

	180	190	200	210	220
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170					
180					
190					

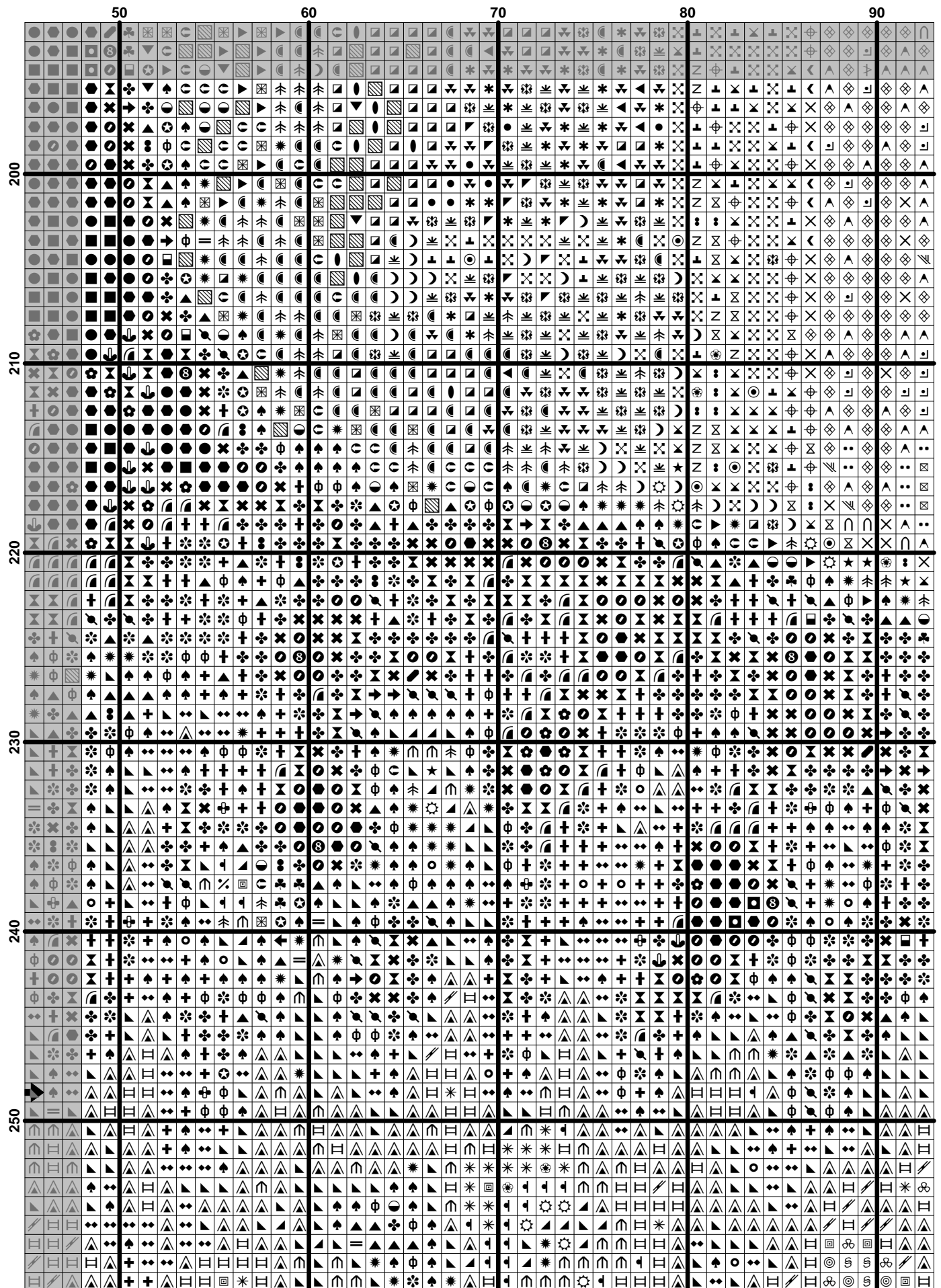
$$(33) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (34)$$

	270	280	290	300	310
130					
140					
150					
160					
170					
180					
190					

$$(35) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$



	10	20	30	40
200	+	+	+	+
201	+	+	+	+
202	+	+	+	+
203	+	+	+	+
204	+	+	+	+
205	+	+	+	+
206	+	+	+	+
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292	+	+	+	+
293	+	+	+	+
294	+	+	+	+
295	+	+	+	+
296	+	+	+	+
297	+	+	+	+
298	+	+	+	+
299	+	+	+	+
300	+	+	+	+

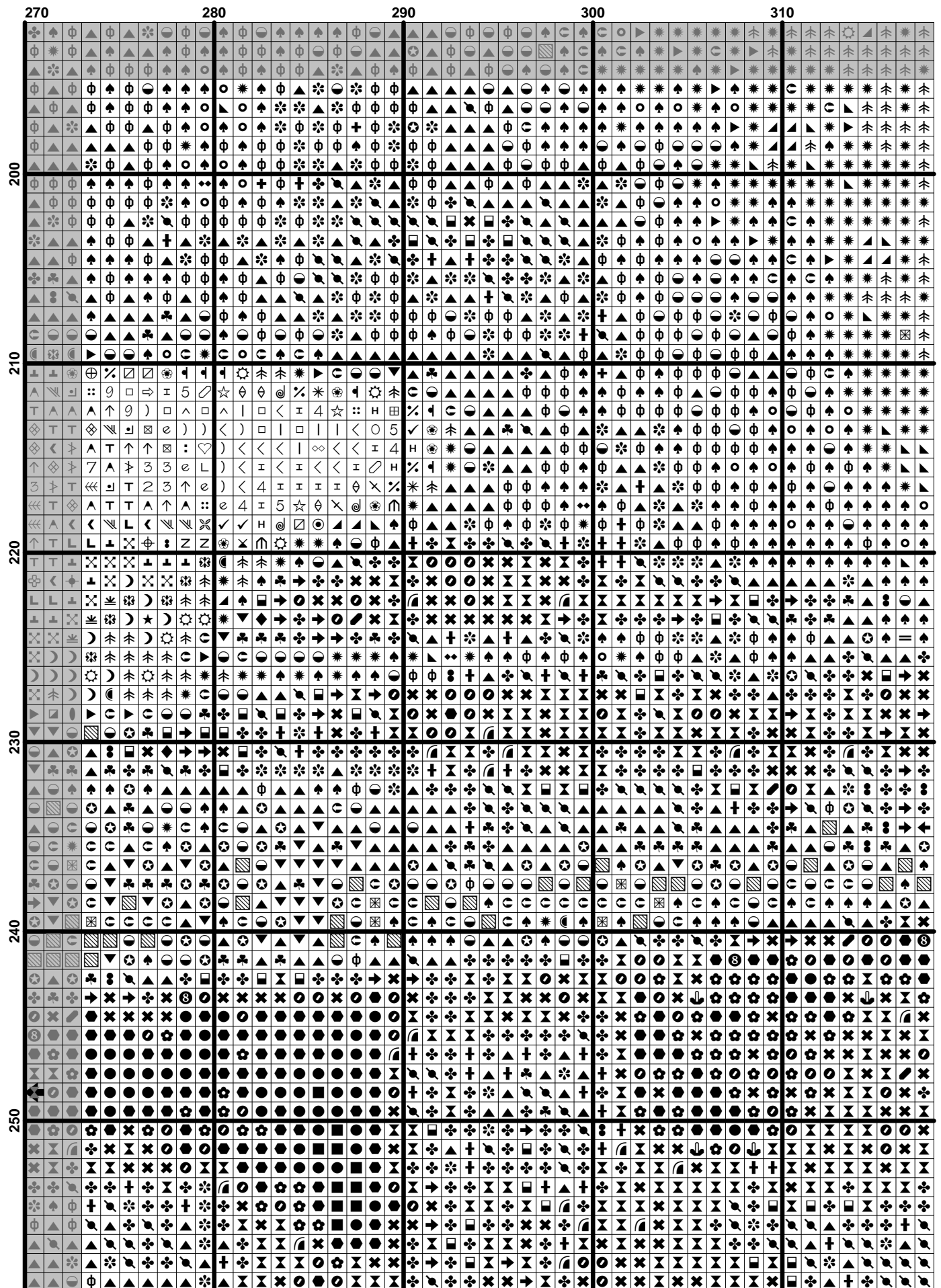


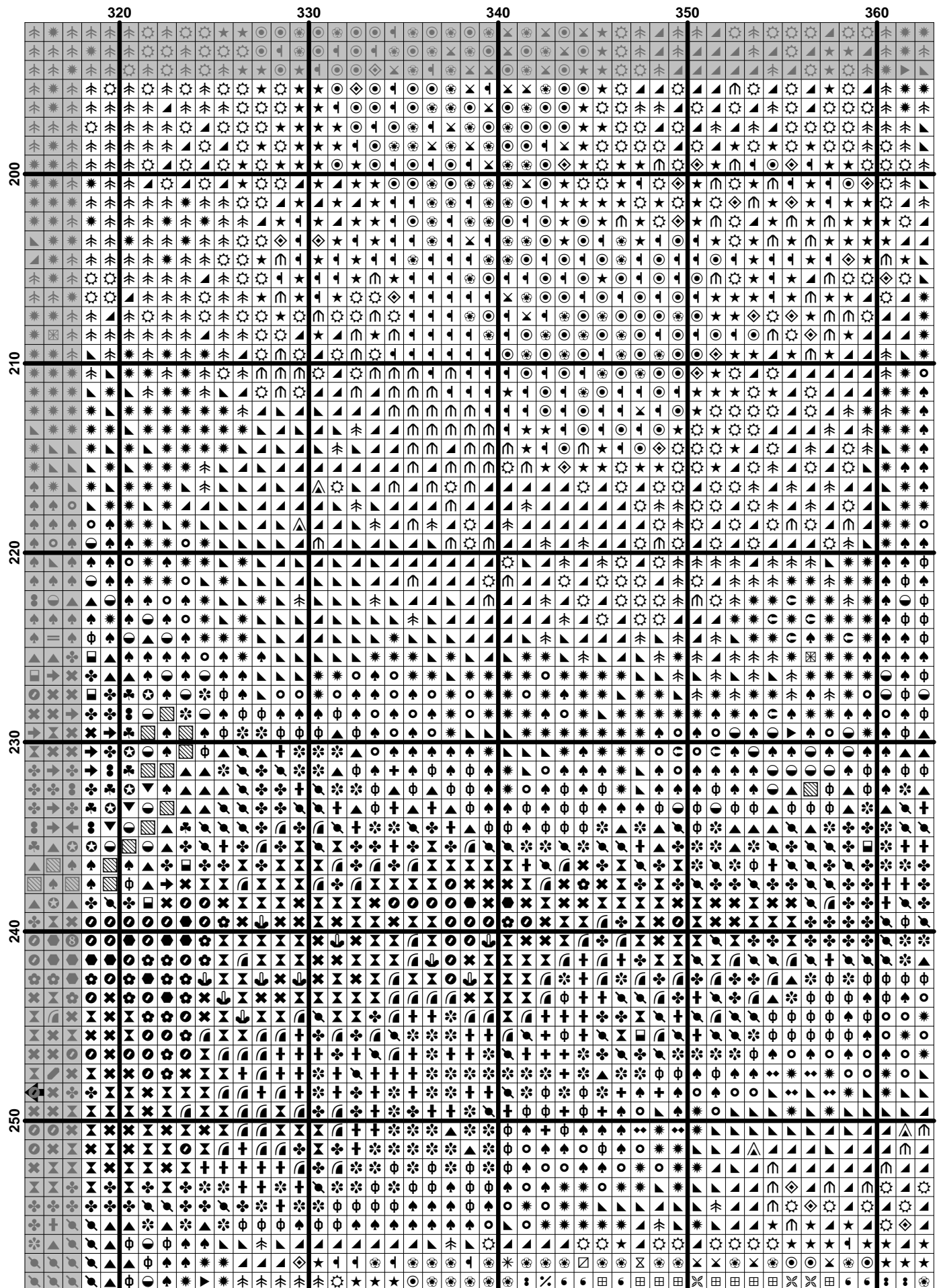
[illegible]

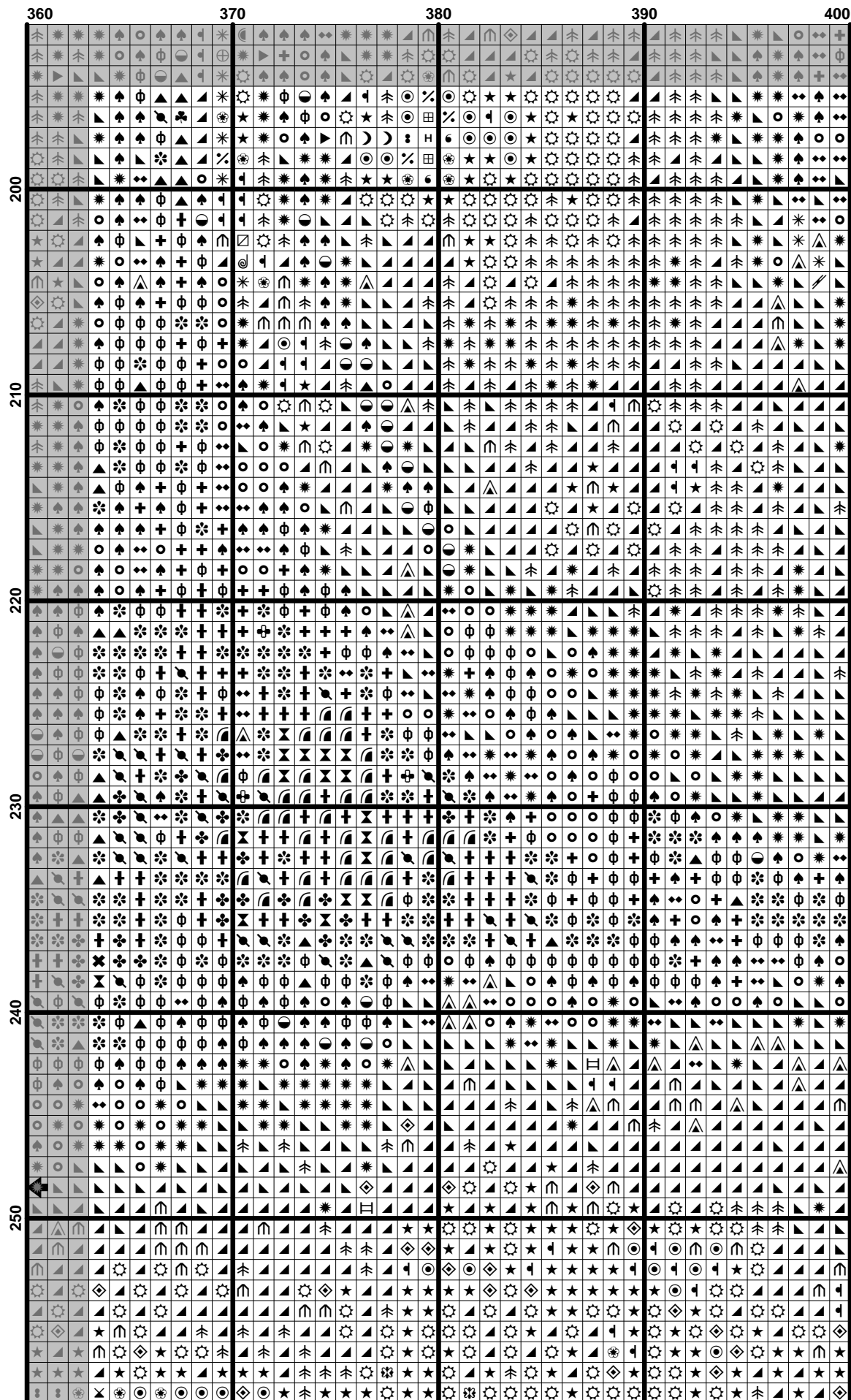
	140	150	160	170	180
200	⌋	⌋	⌋	⌋	⌋
201	⌋	⌋	⌋	⌋	⌋
202	⌋	⌋	⌋	⌋	⌋
203	⌋	⌋	⌋	⌋	⌋
204	⌋	⌋	⌋	⌋	⌋
205	⌋	⌋	⌋	⌋	⌋
206	⌋	⌋	⌋	⌋	⌋
207	⌋	⌋	⌋	⌋	⌋
208	⌋	⌋	⌋	⌋	⌋
209	⌋	⌋	⌋	⌋	⌋
210	⌋	⌋	⌋	⌋	⌋
211	⌋	⌋	⌋	⌋	⌋
212	⌋	⌋	⌋	⌋	⌋
213	⌋	⌋	⌋	⌋	⌋
214	⌋	⌋	⌋	⌋	⌋
215	⌋	⌋	⌋	⌋	⌋
216	⌋	⌋	⌋	⌋	⌋
217	⌋	⌋	⌋	⌋	⌋
218	⌋	⌋	⌋	⌋	⌋
219	⌋	⌋	⌋	⌋	⌋
220	⌋	⌋	⌋	⌋	⌋
221	⌋	⌋	⌋	⌋	⌋
222	⌋	⌋	⌋	⌋	⌋
223	⌋	⌋	⌋	⌋	⌋
224	⌋	⌋	⌋	⌋	⌋
225	⌋	⌋	⌋	⌋	⌋
226	⌋	⌋	⌋	⌋	⌋
227	⌋	⌋	⌋	⌋	⌋
228	⌋	⌋	⌋	⌋	⌋
229	⌋	⌋	⌋	⌋	⌋
230	⌋	⌋	⌋	⌋	⌋
231	⌋	⌋	⌋	⌋	⌋
232	⌋	⌋	⌋	⌋	⌋
233	⌋	⌋	⌋	⌋	⌋
234	⌋	⌋	⌋	⌋	⌋
235	⌋	⌋	⌋	⌋	⌋
236	⌋	⌋	⌋	⌋	⌋
237	⌋	⌋	⌋	⌋	⌋
238	⌋	⌋	⌋	⌋	⌋
239	⌋	⌋	⌋	⌋	⌋
240	⌋	⌋	⌋	⌋	⌋
241	⌋	⌋	⌋	⌋	⌋
242	⌋	⌋	⌋	⌋	⌋
243	⌋	⌋	⌋	⌋	⌋
244	⌋	⌋	⌋	⌋	⌋
245	⌋	⌋	⌋	⌋	⌋
246	⌋	⌋	⌋	⌋	⌋
247	⌋	⌋	⌋	⌋	⌋
248	⌋	⌋	⌋	⌋	⌋
249	⌋	⌋	⌋	⌋	⌋
250	⌋	⌋	⌋	⌋	⌋

[illegible]

[illegible]





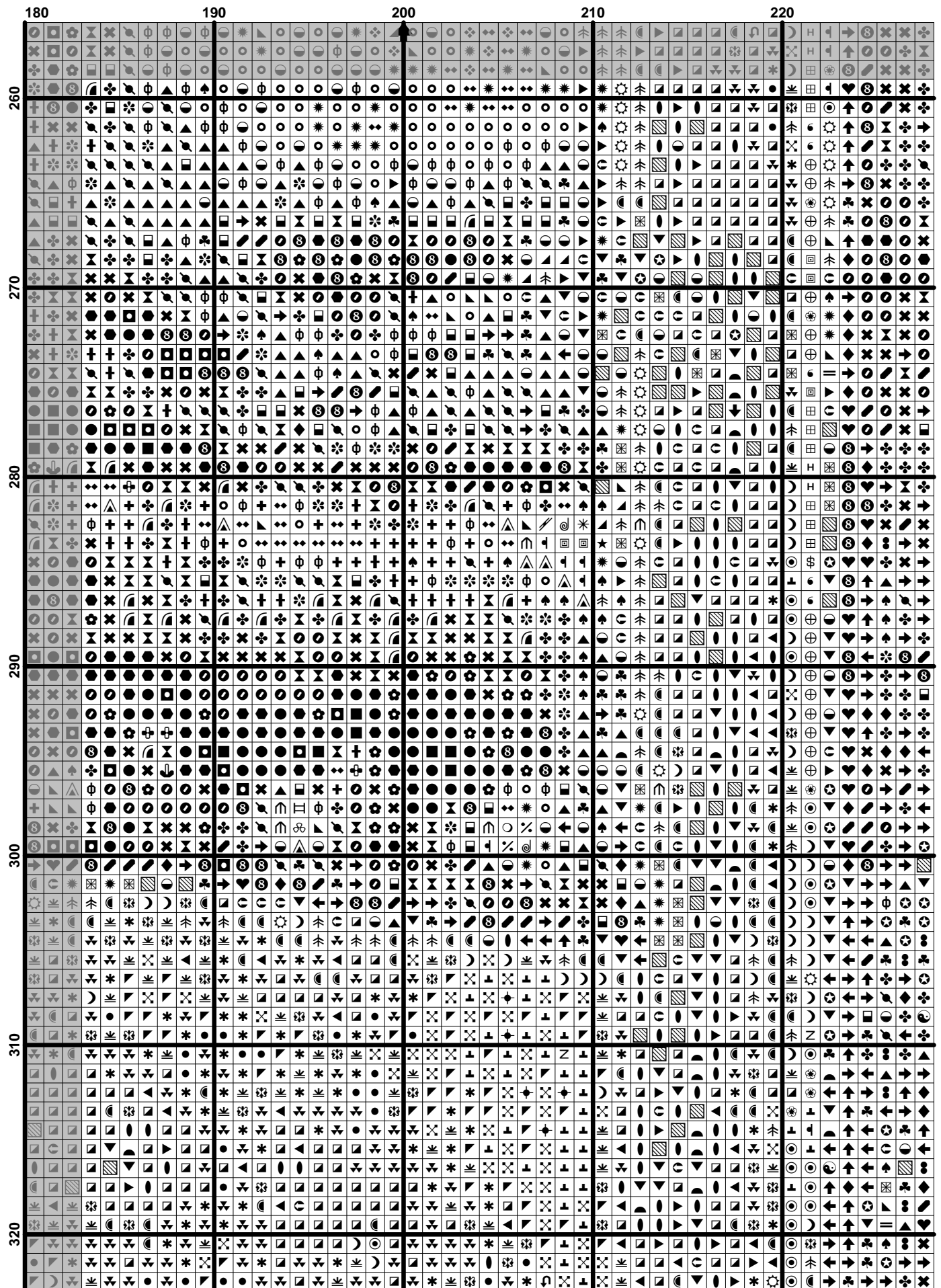


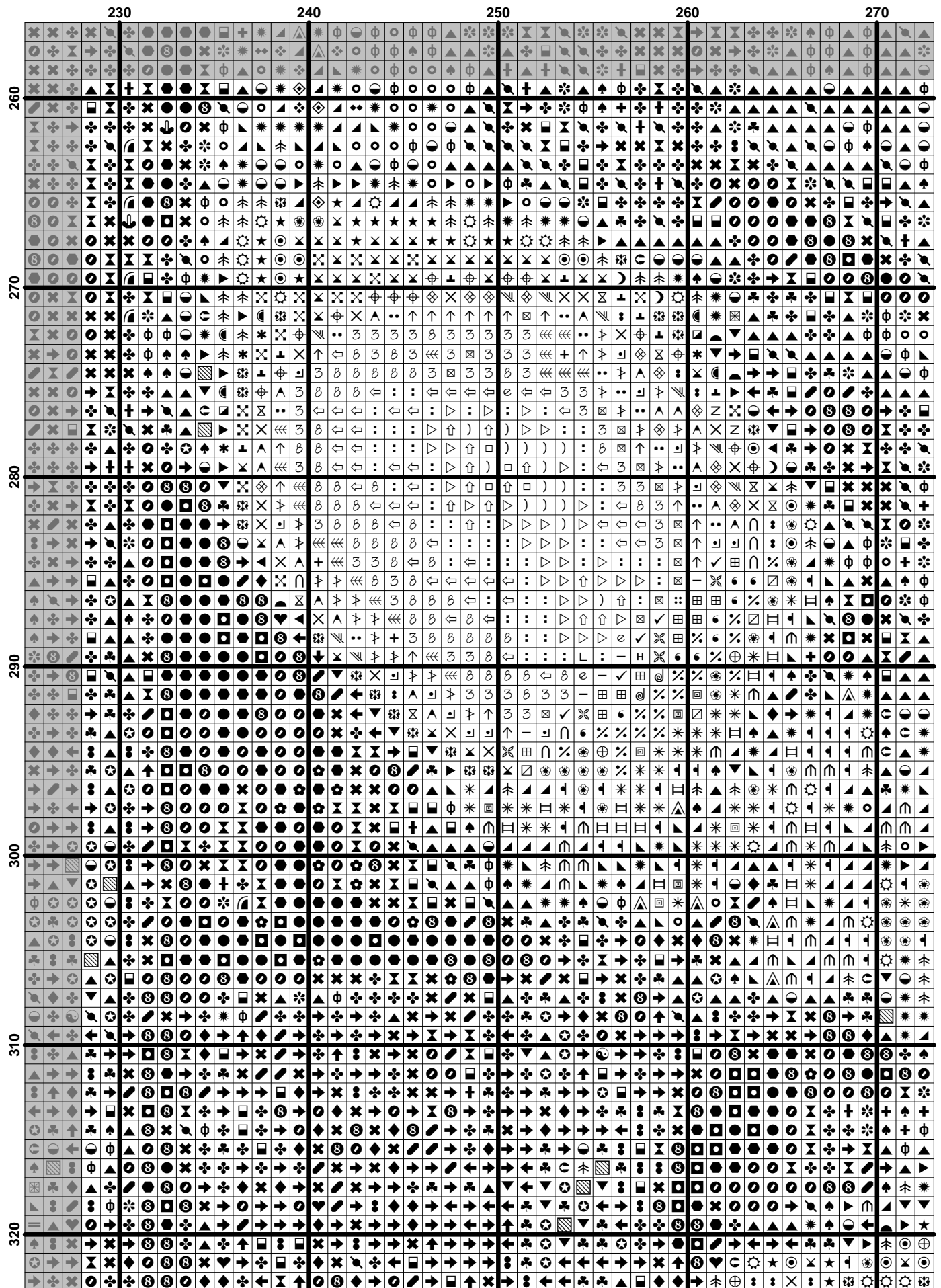
	10	20	30	40
260	+	+	+	+
270	+	+	+	+
280	+	+	+	+
290	+	+	+	+
300	+	+	+	+
310	+	+	+	+
320	+	+	+	+

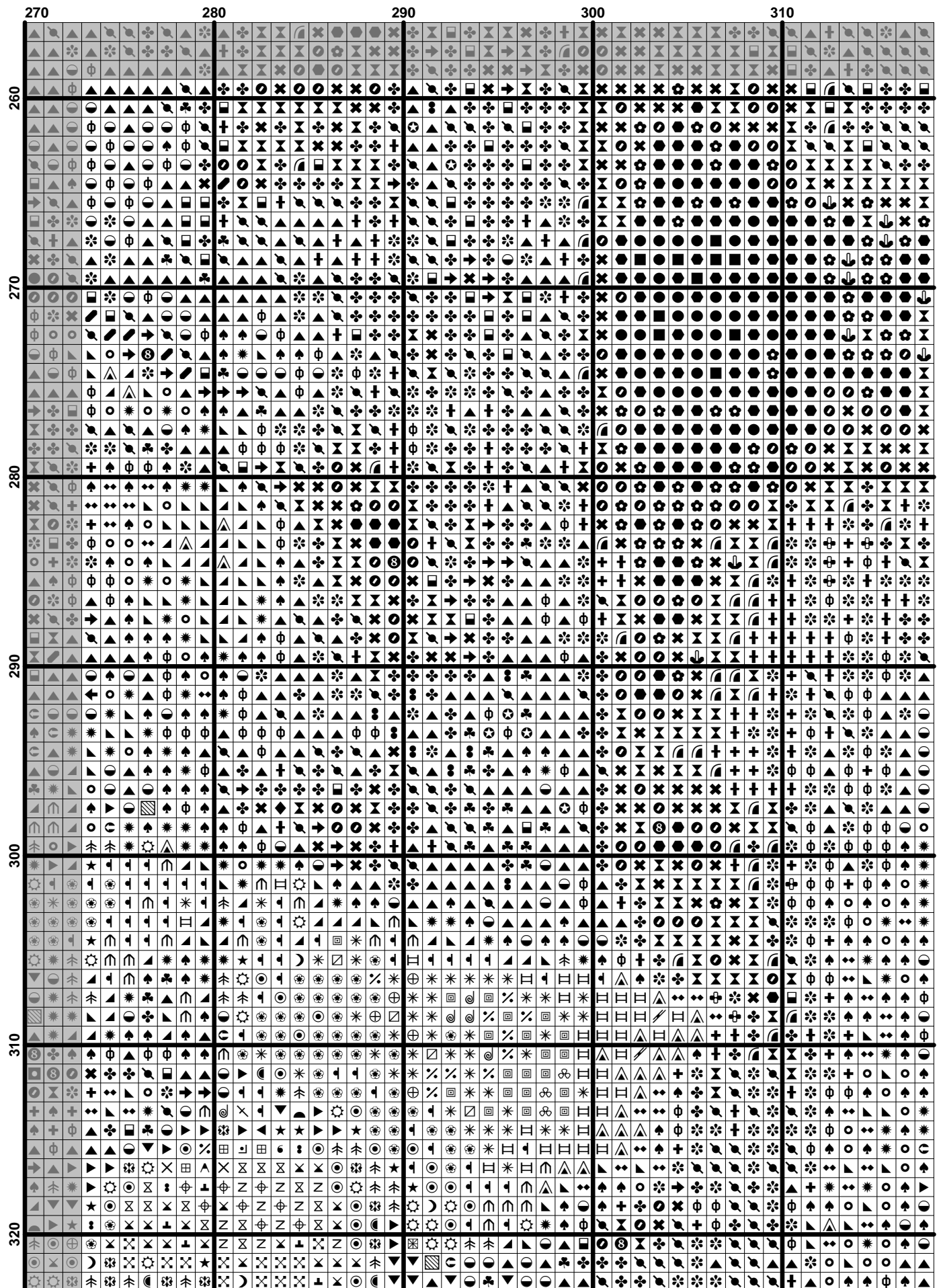
$$(47) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

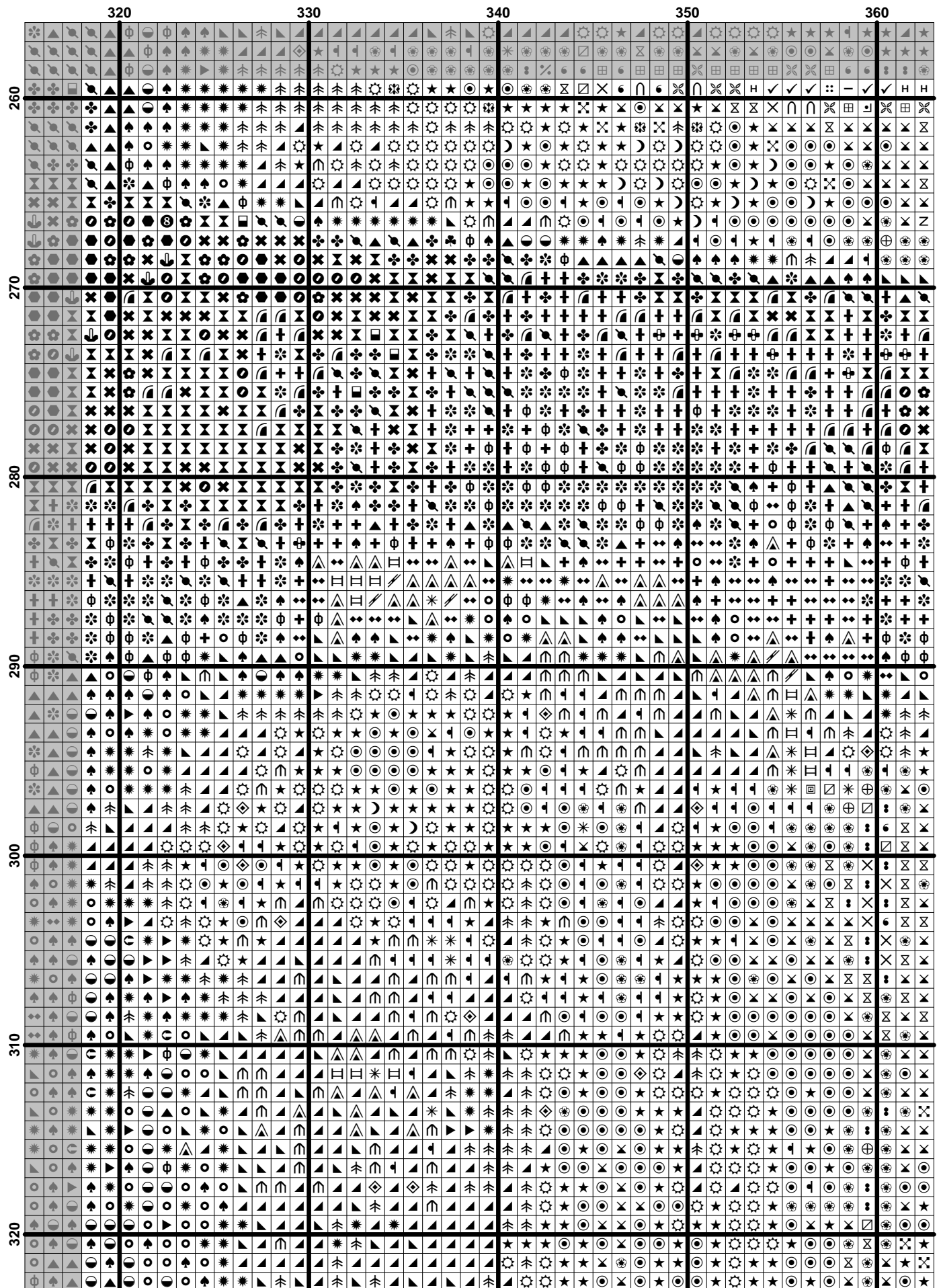
	90	100	110	120	130
260					
270					
280					
290					
300					
310					
320					

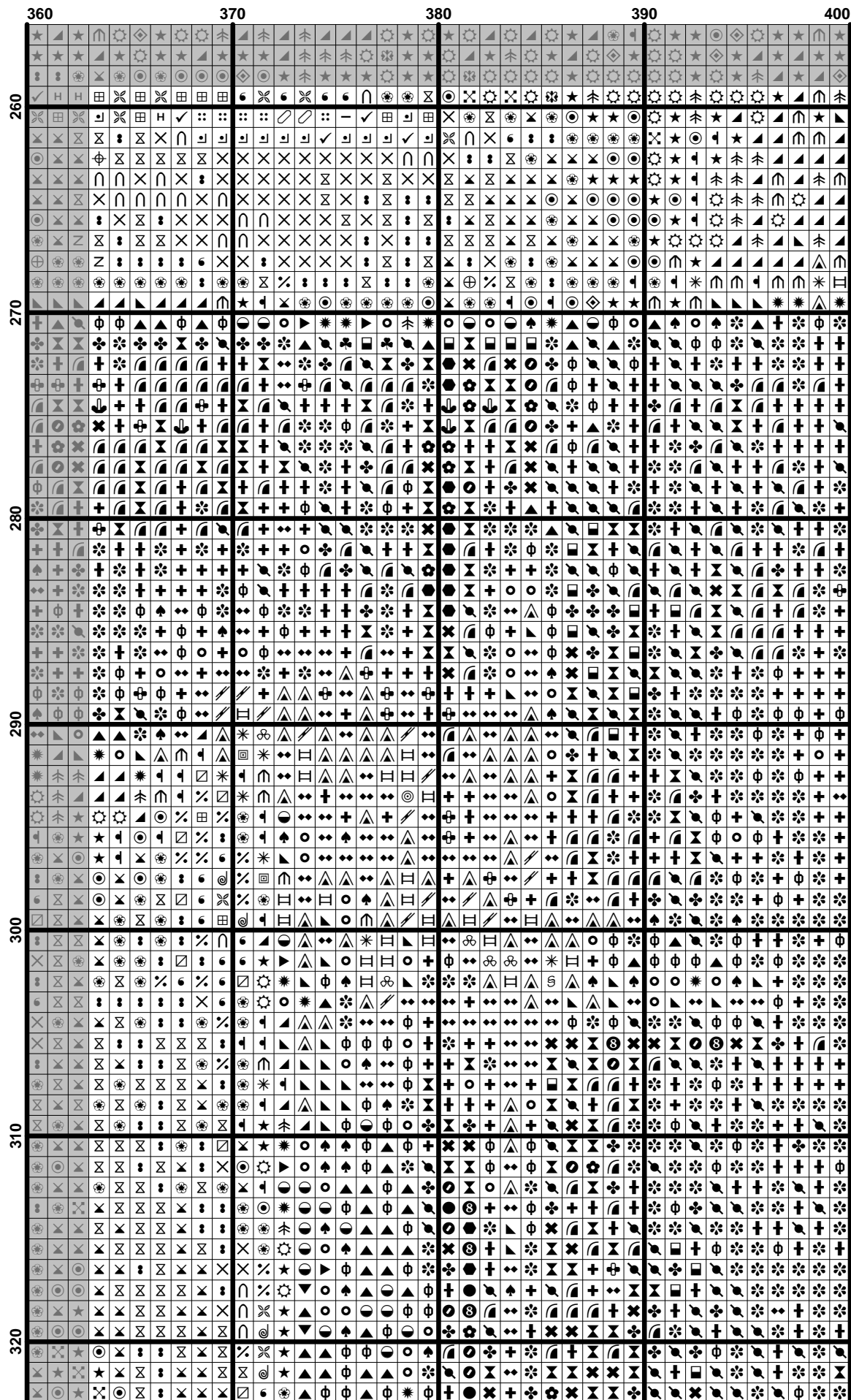
[illegible]

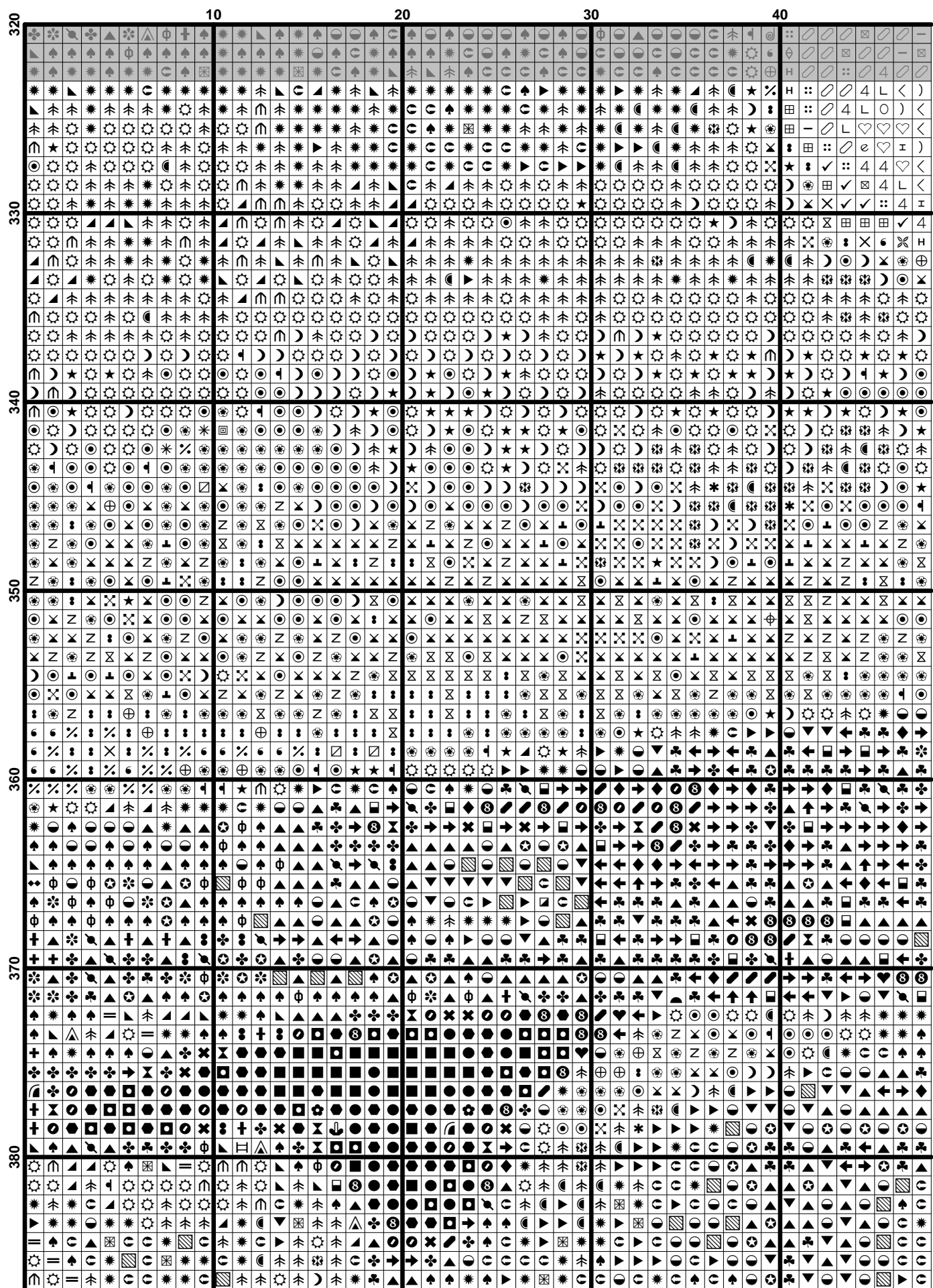




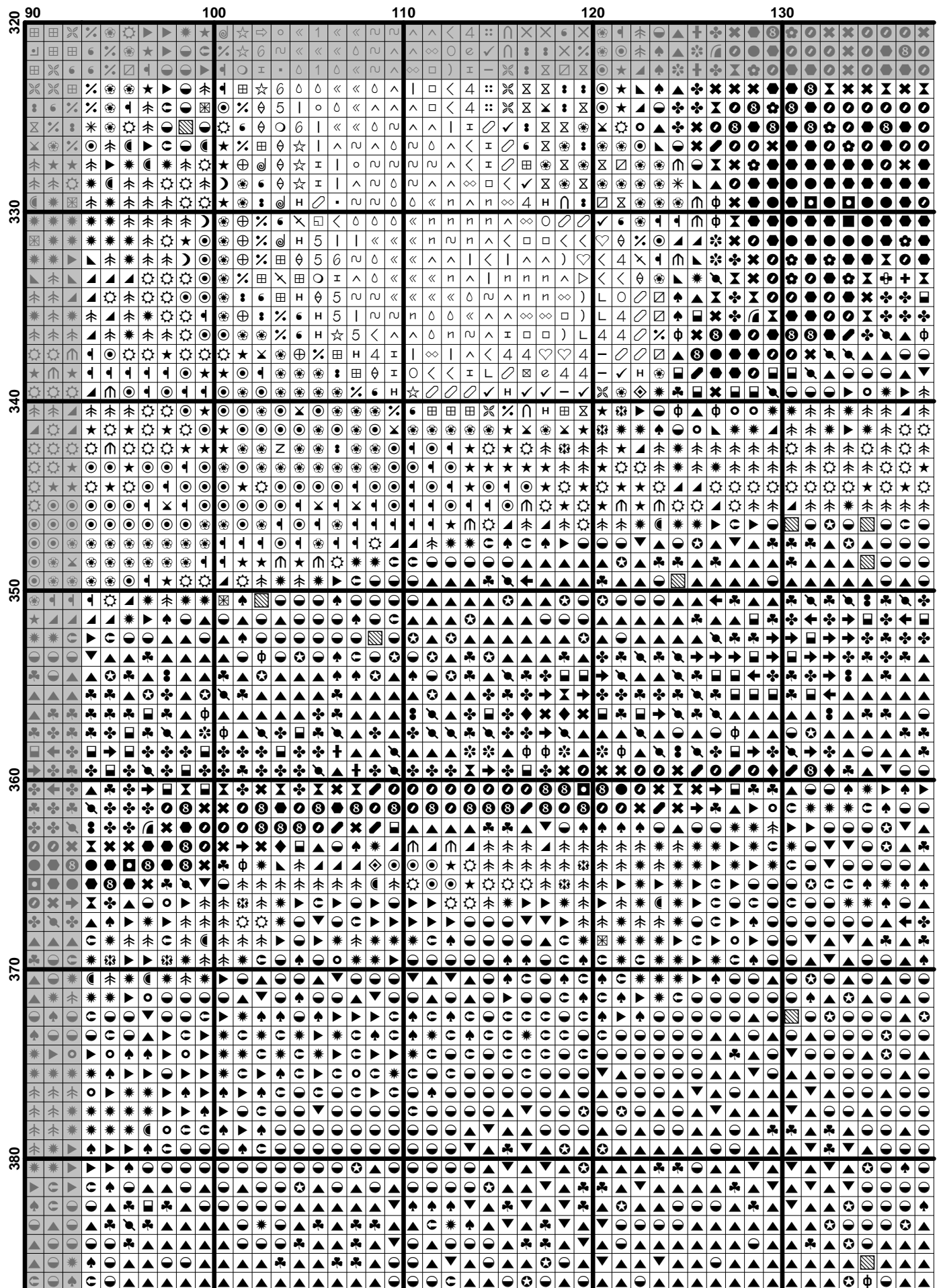


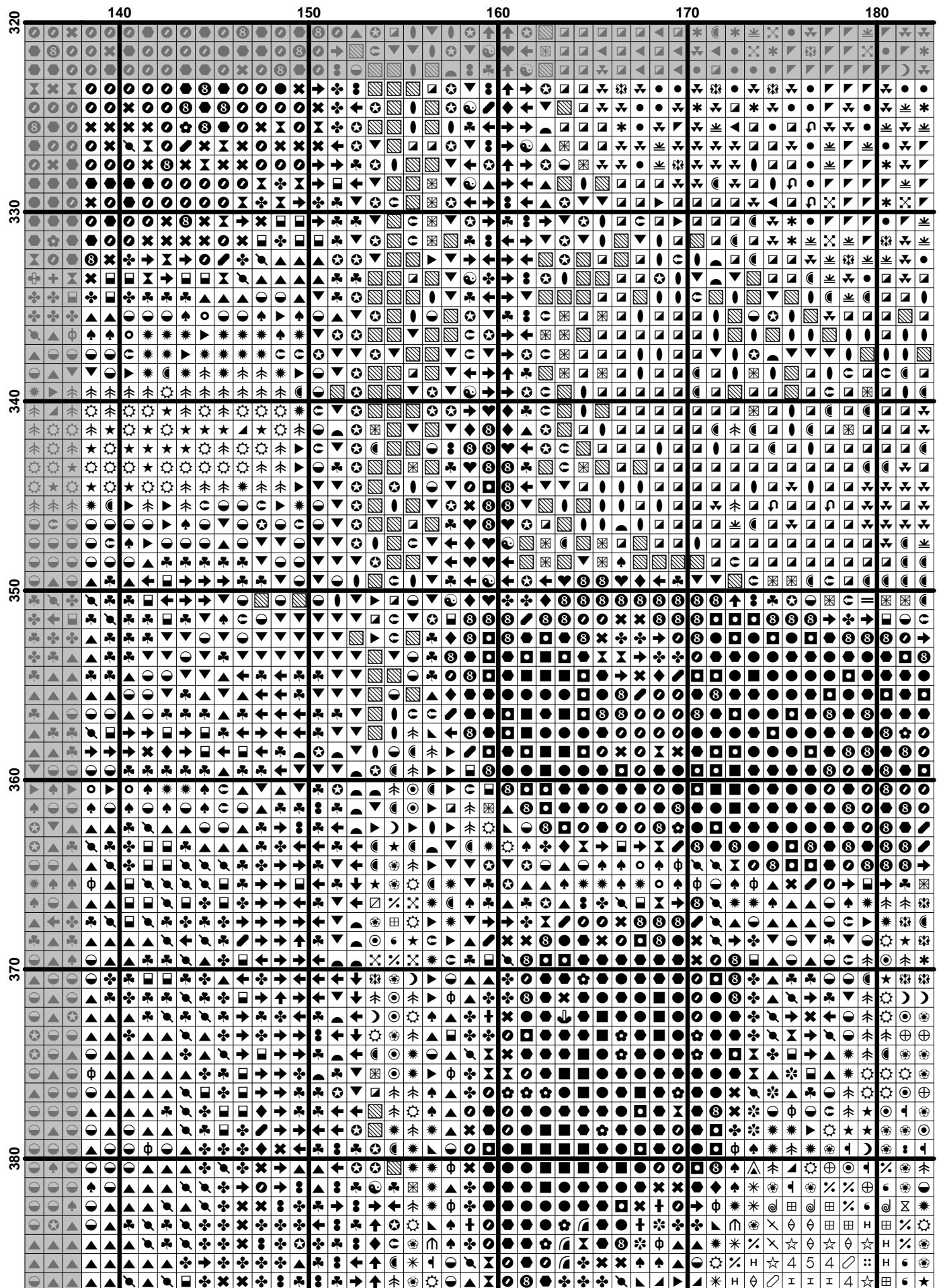


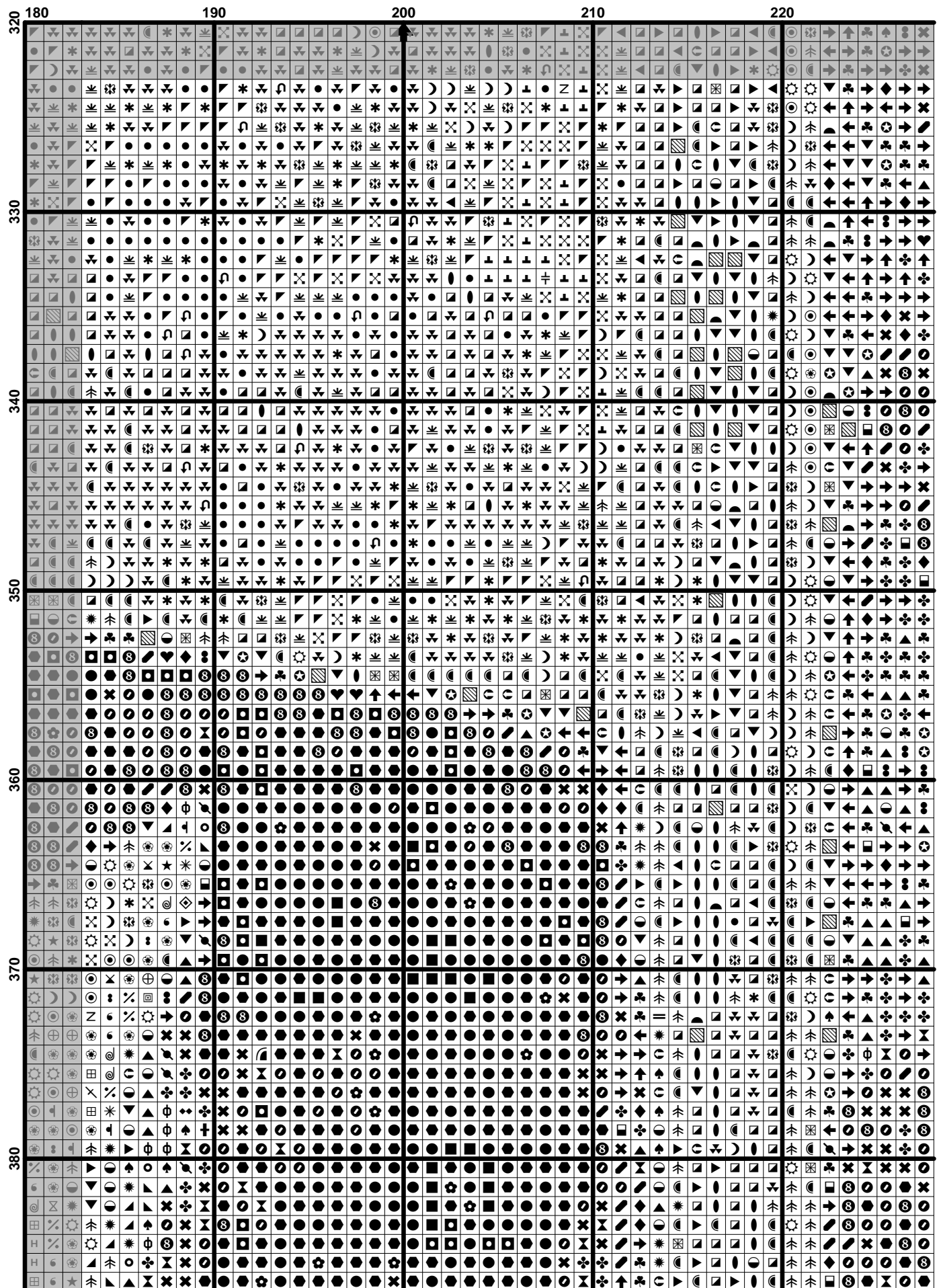


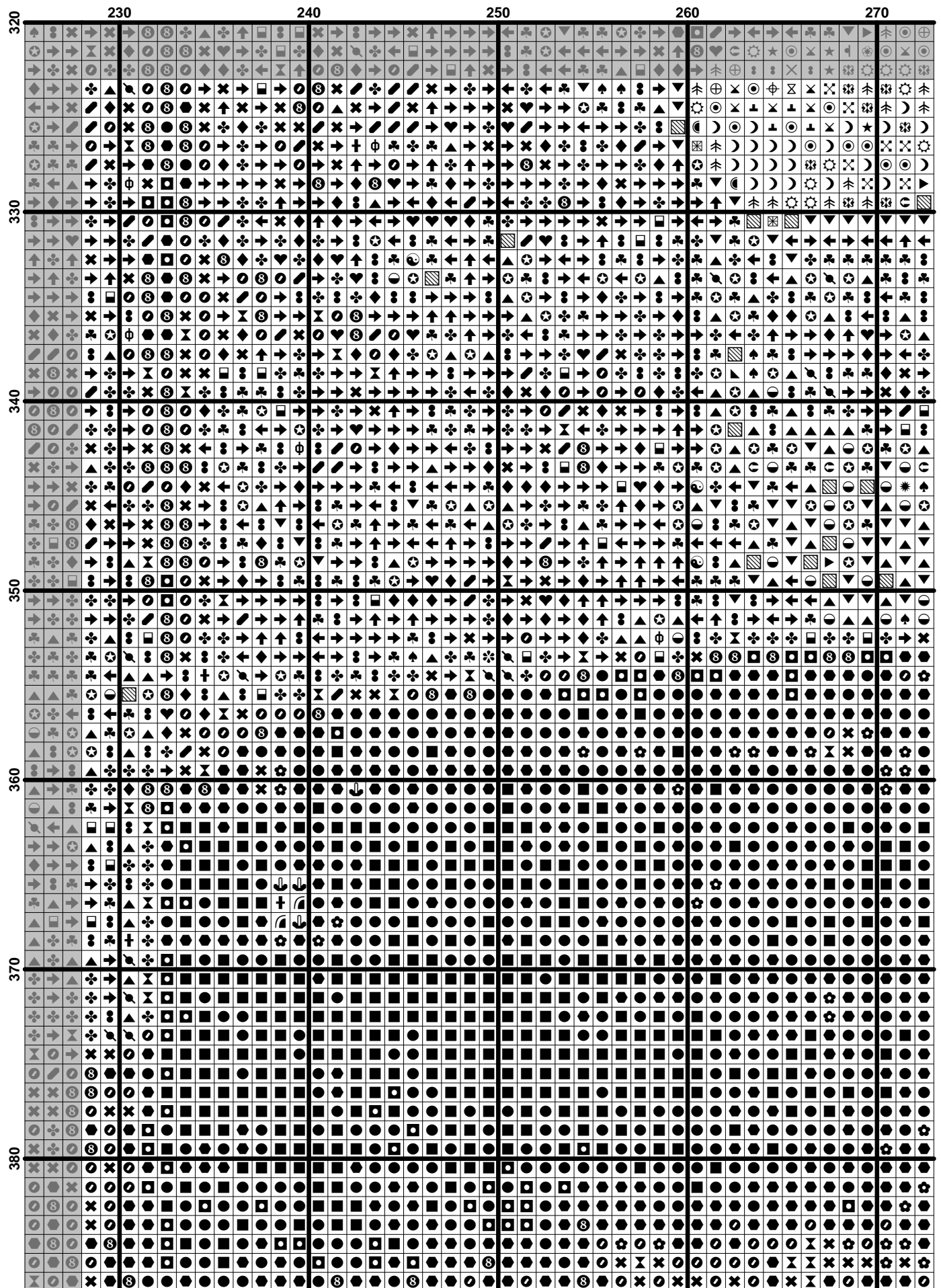


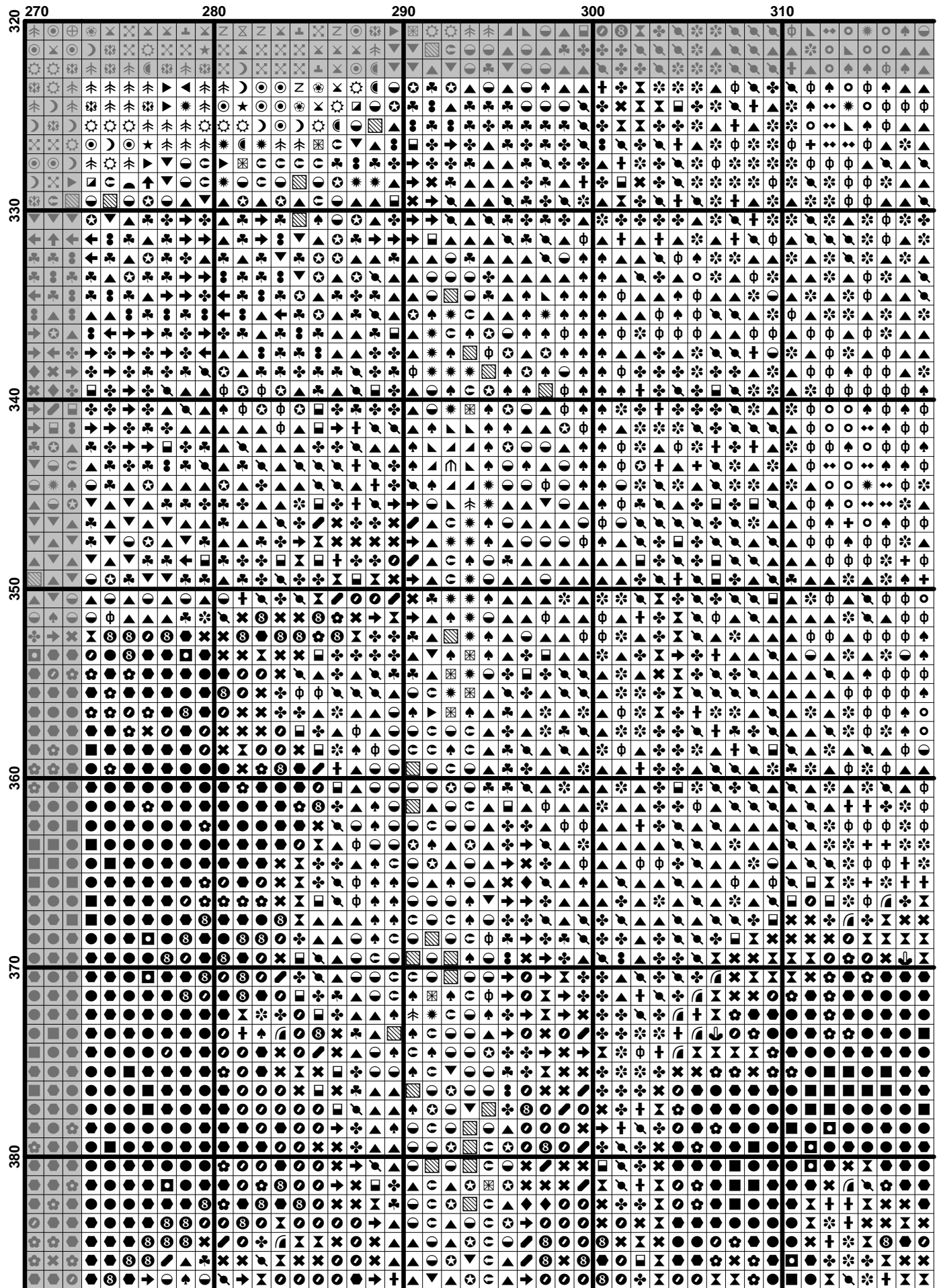
	50	60	70	80	90
320					
330					
340					
350					
360					
370					
380					

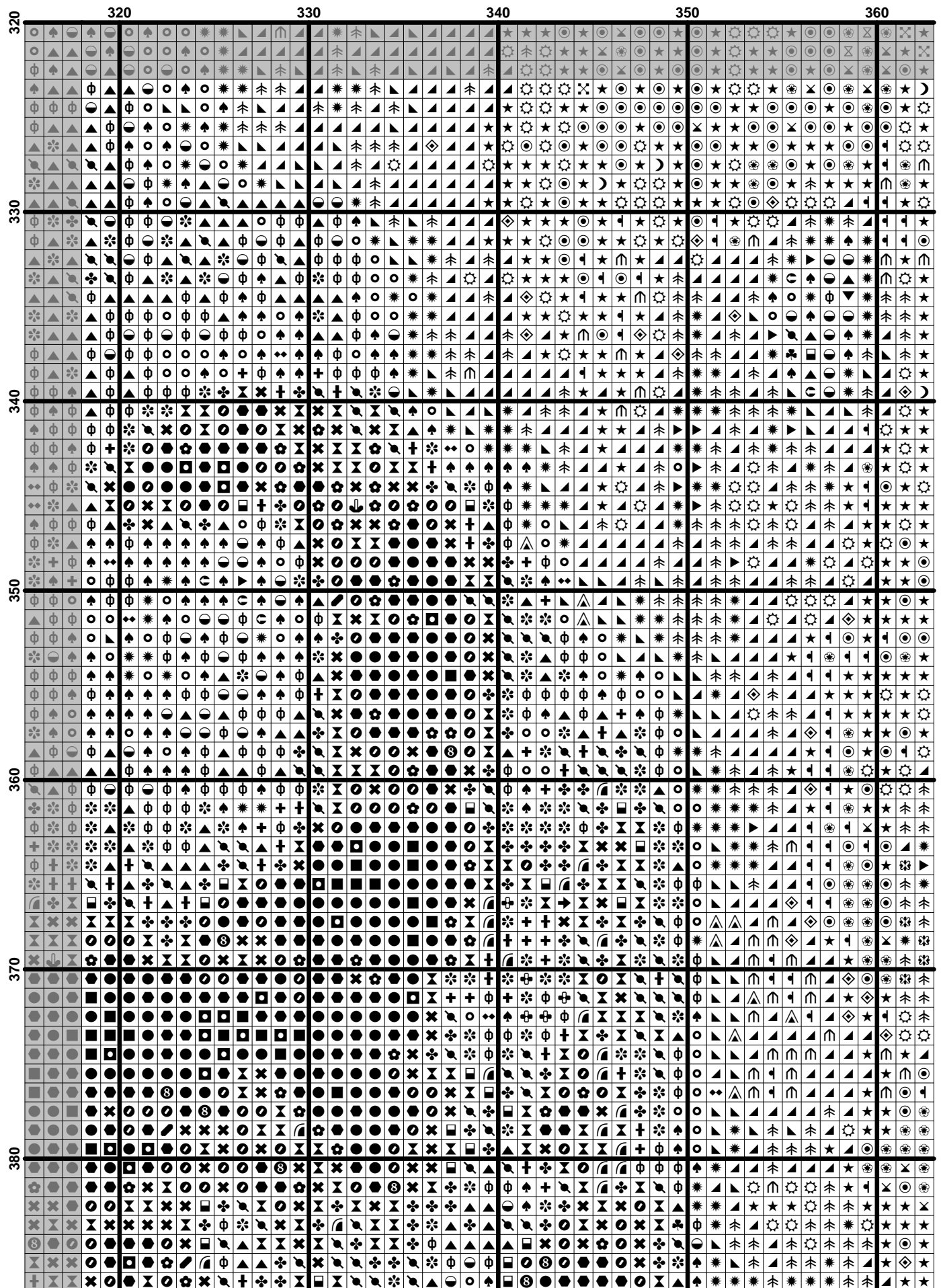


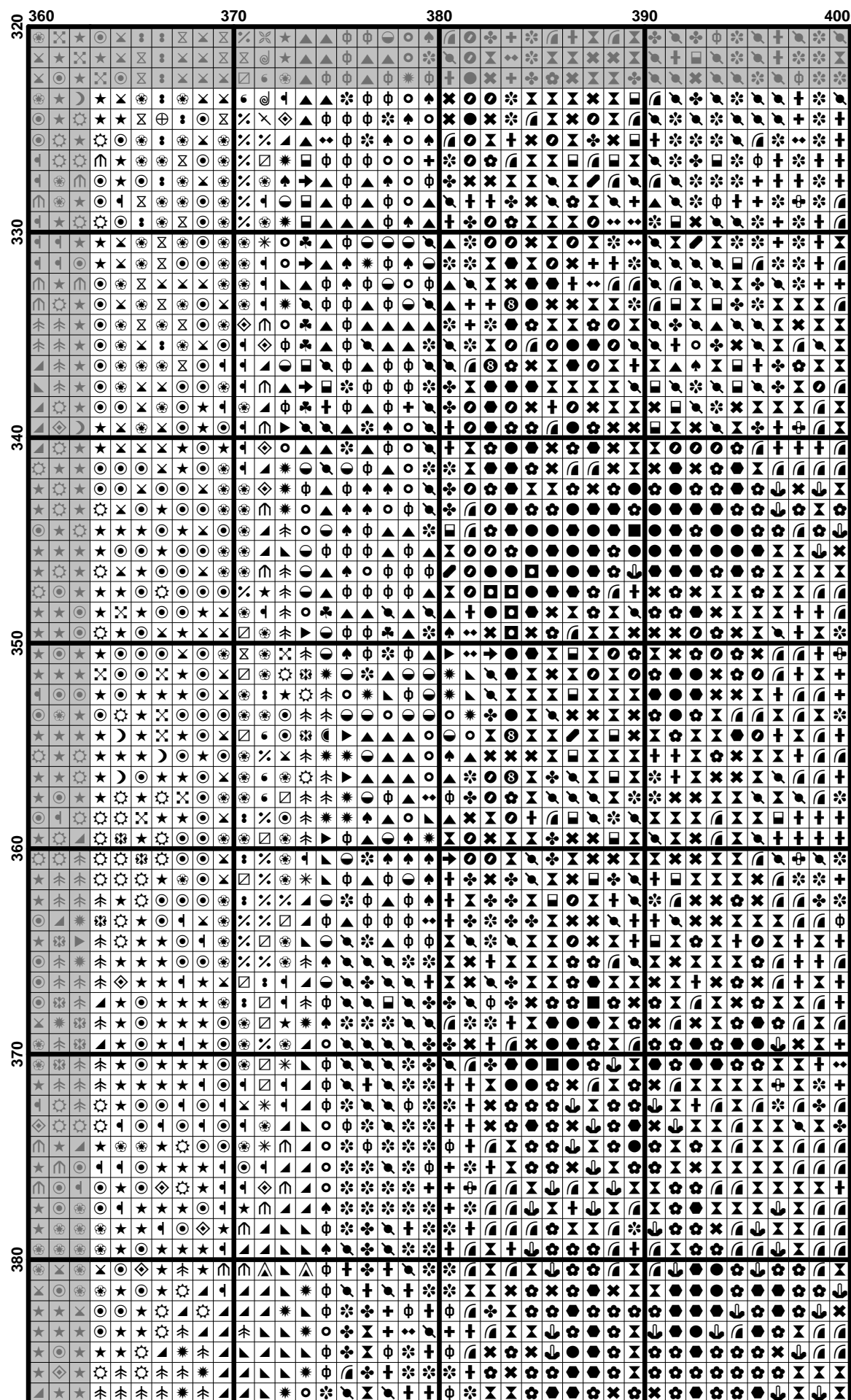


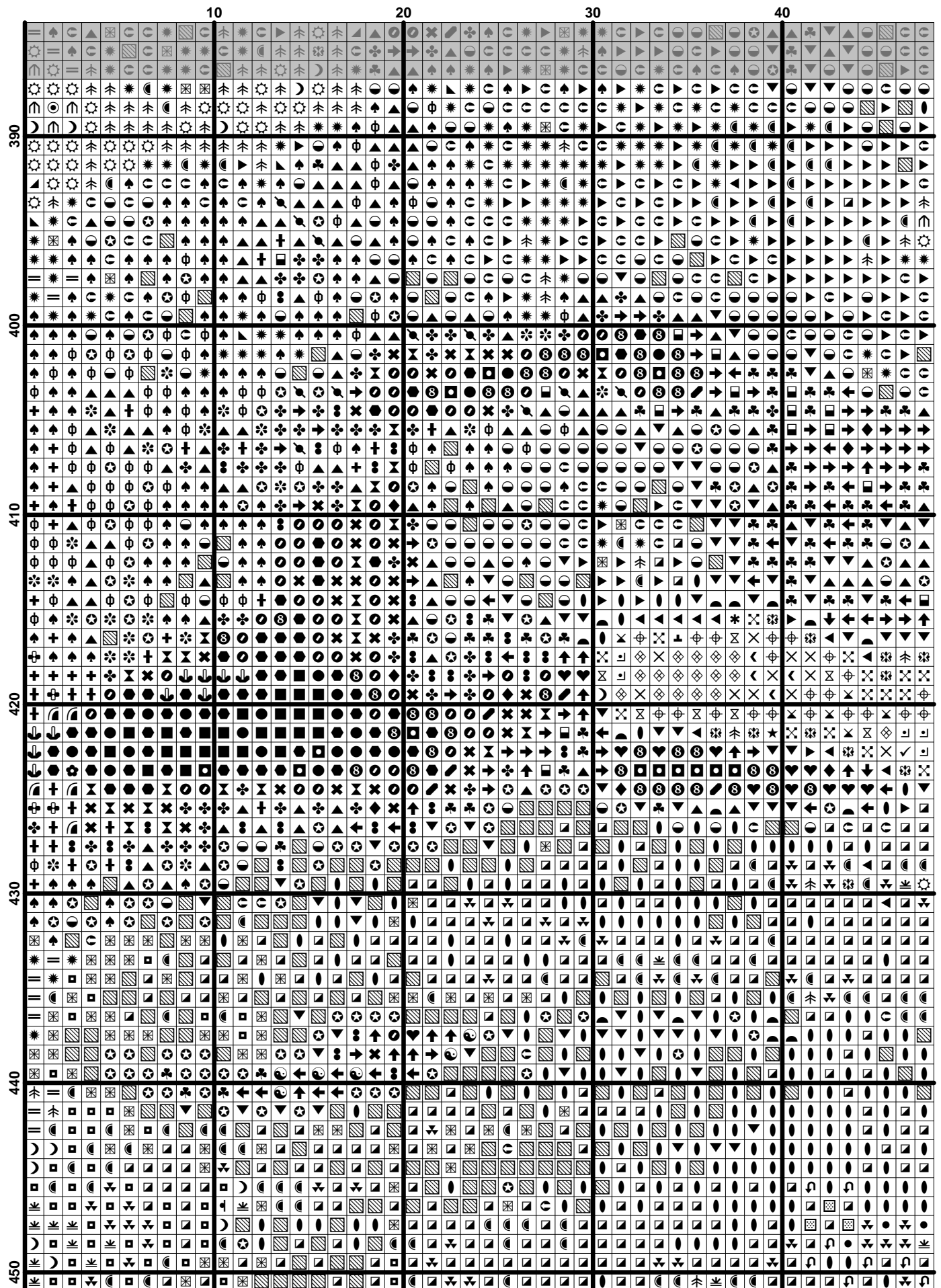


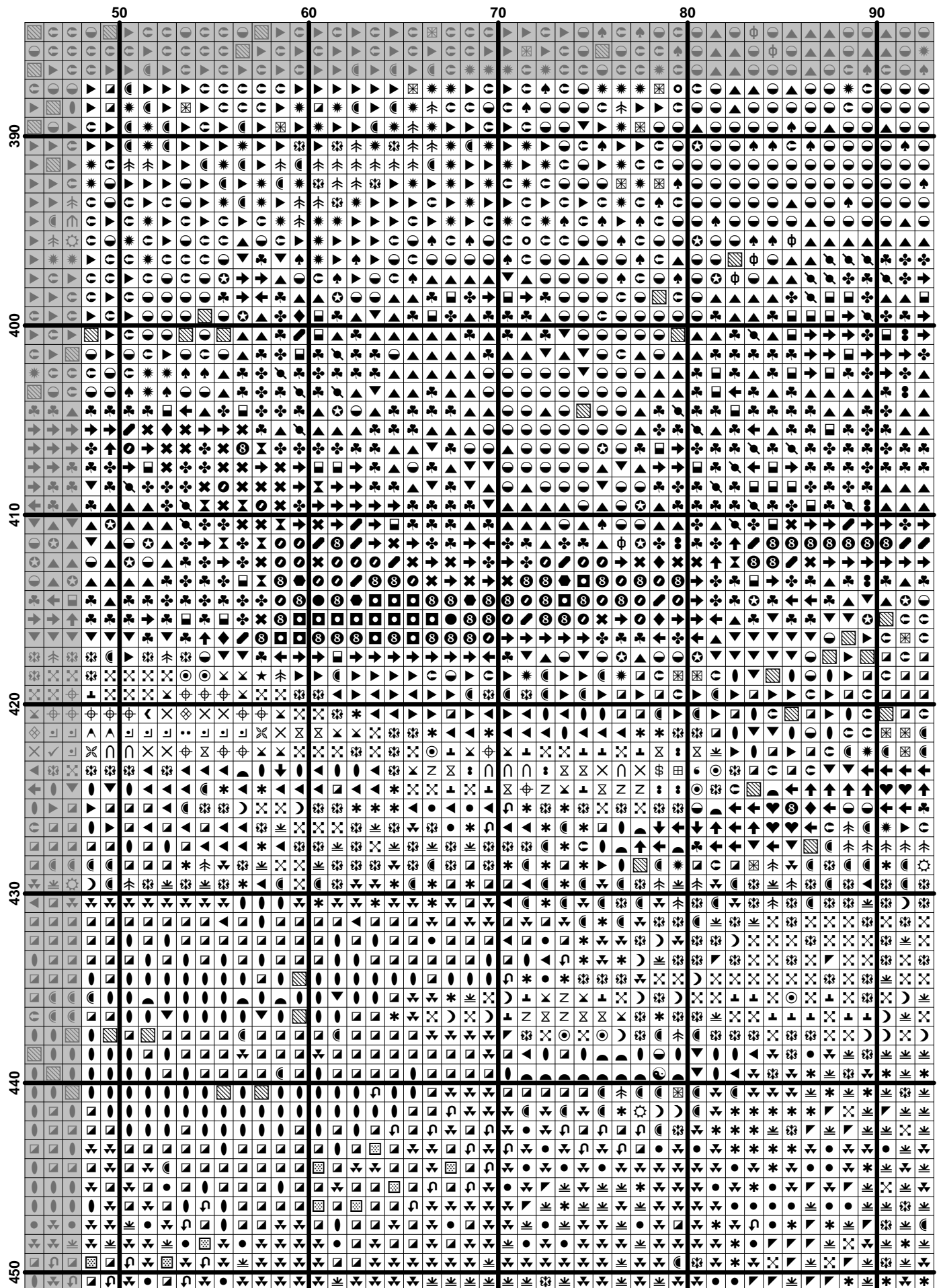




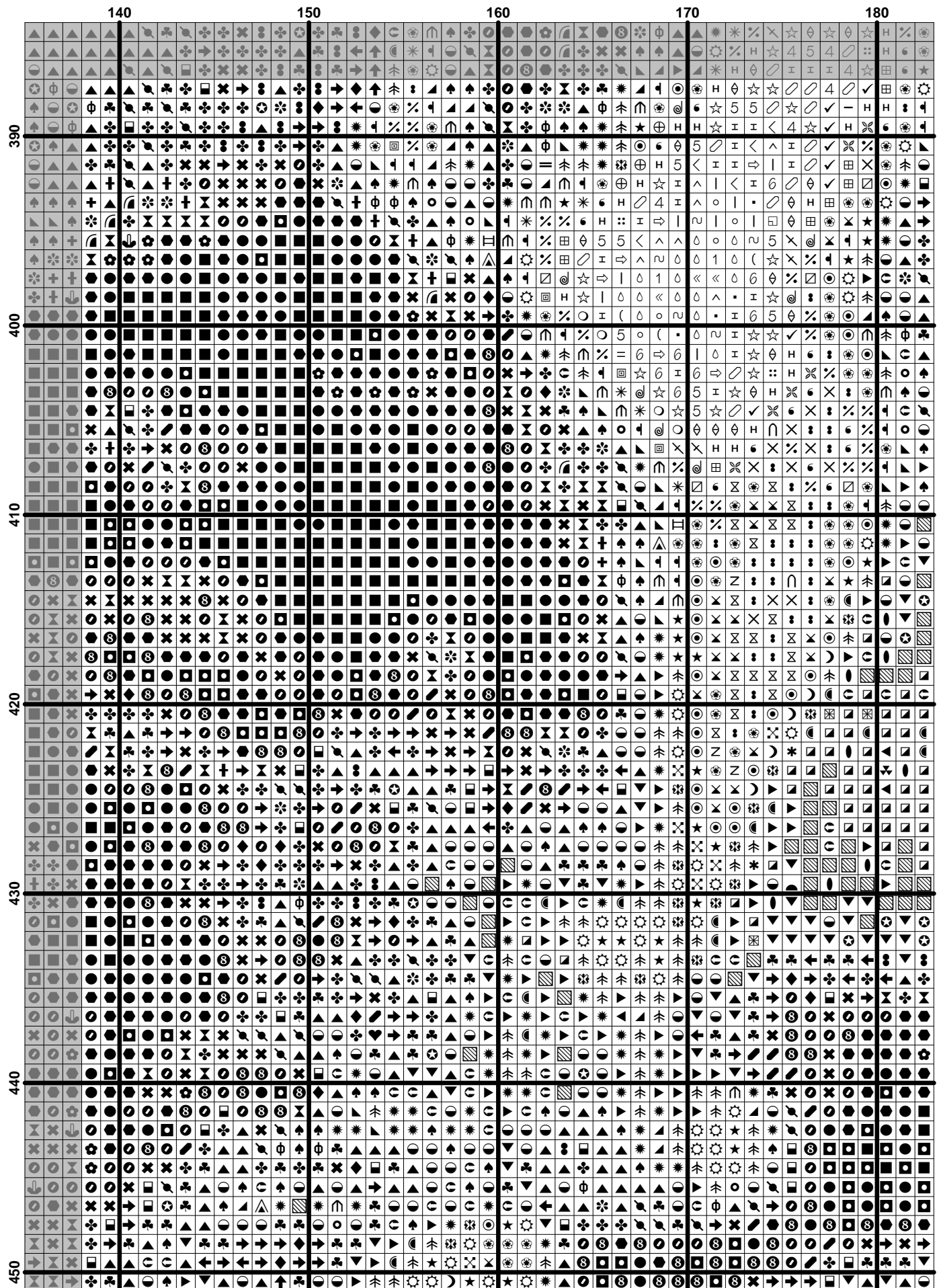


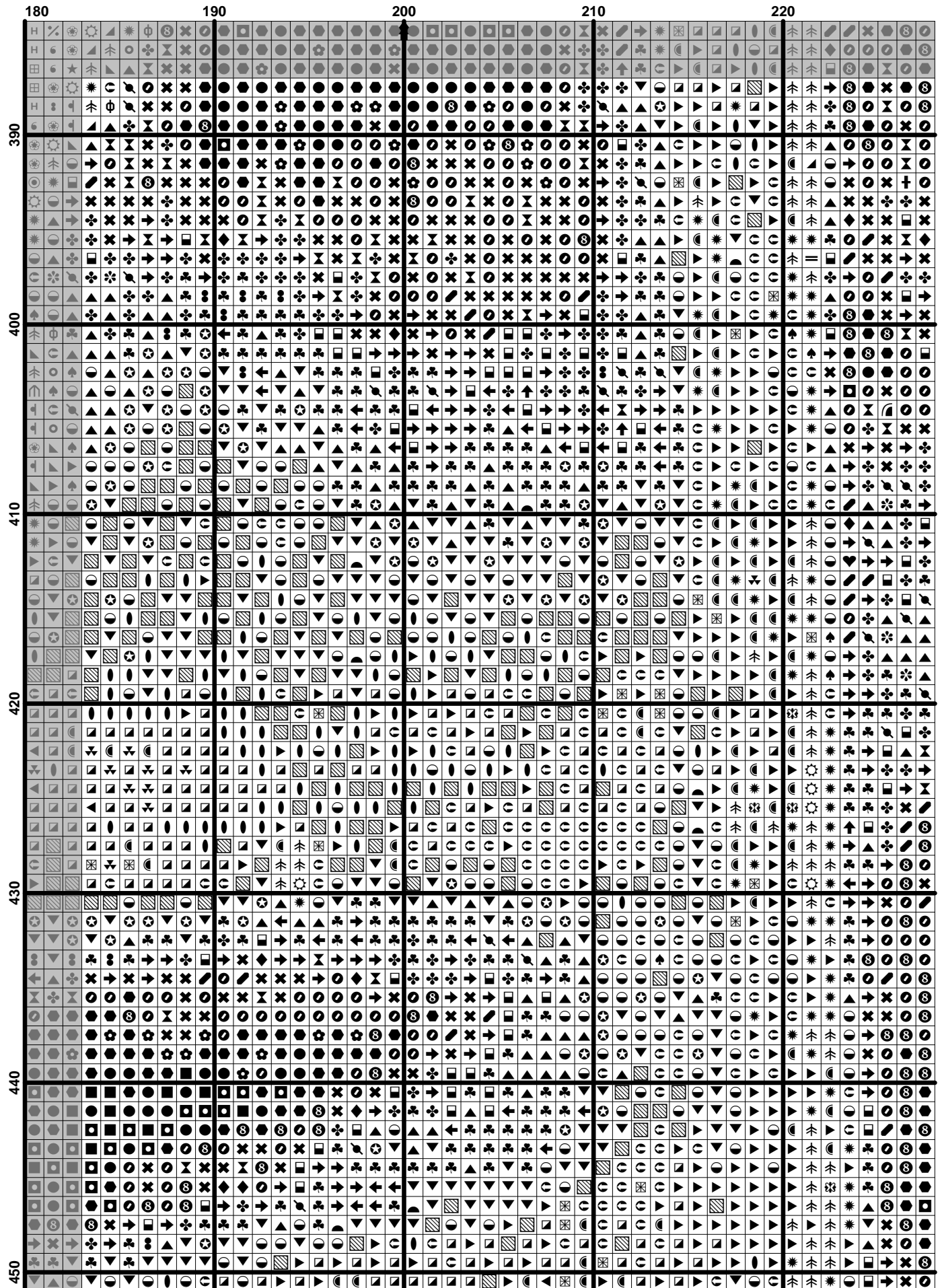




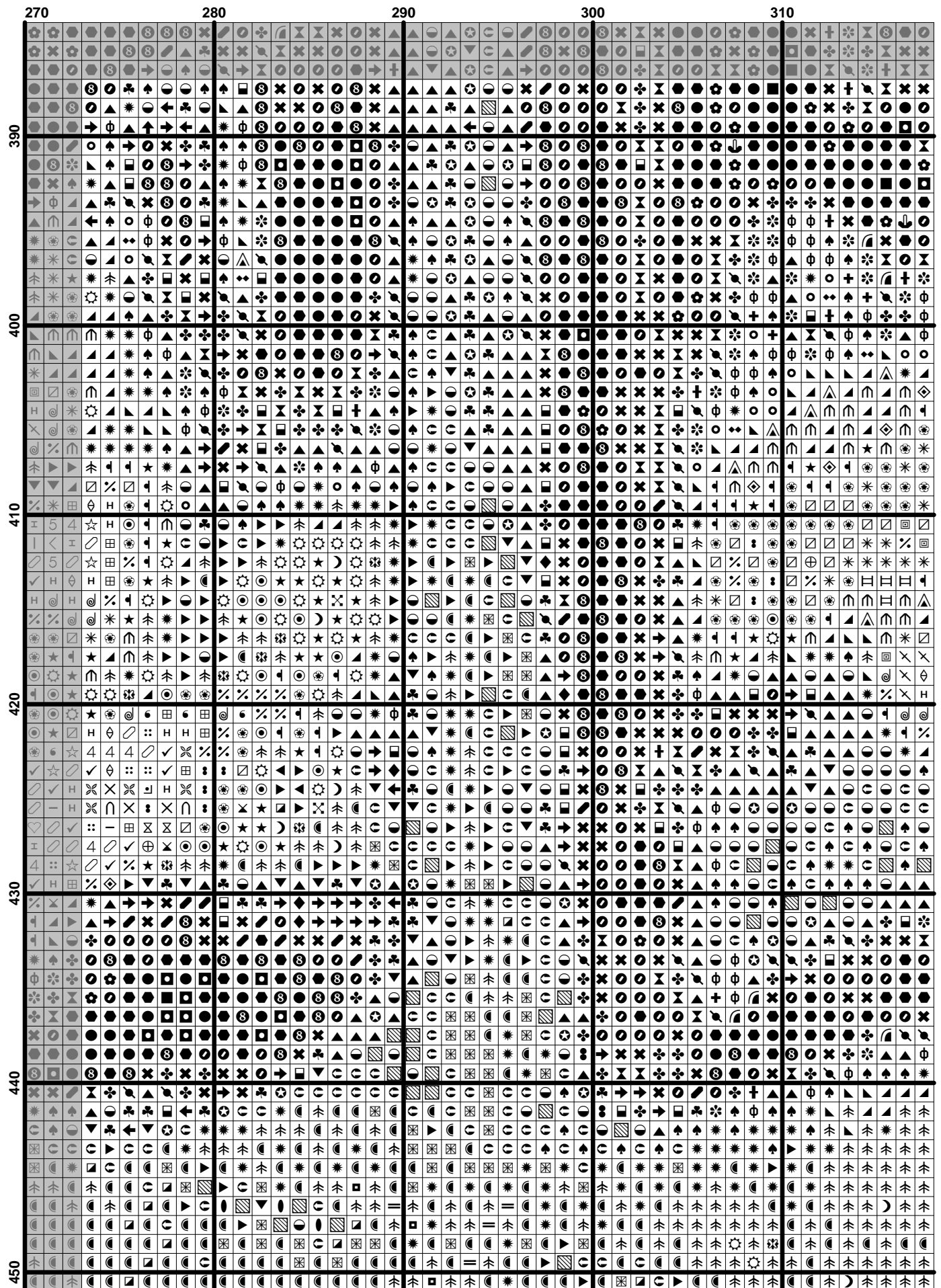


$$(66) \quad \text{[...]} \quad (67)$$

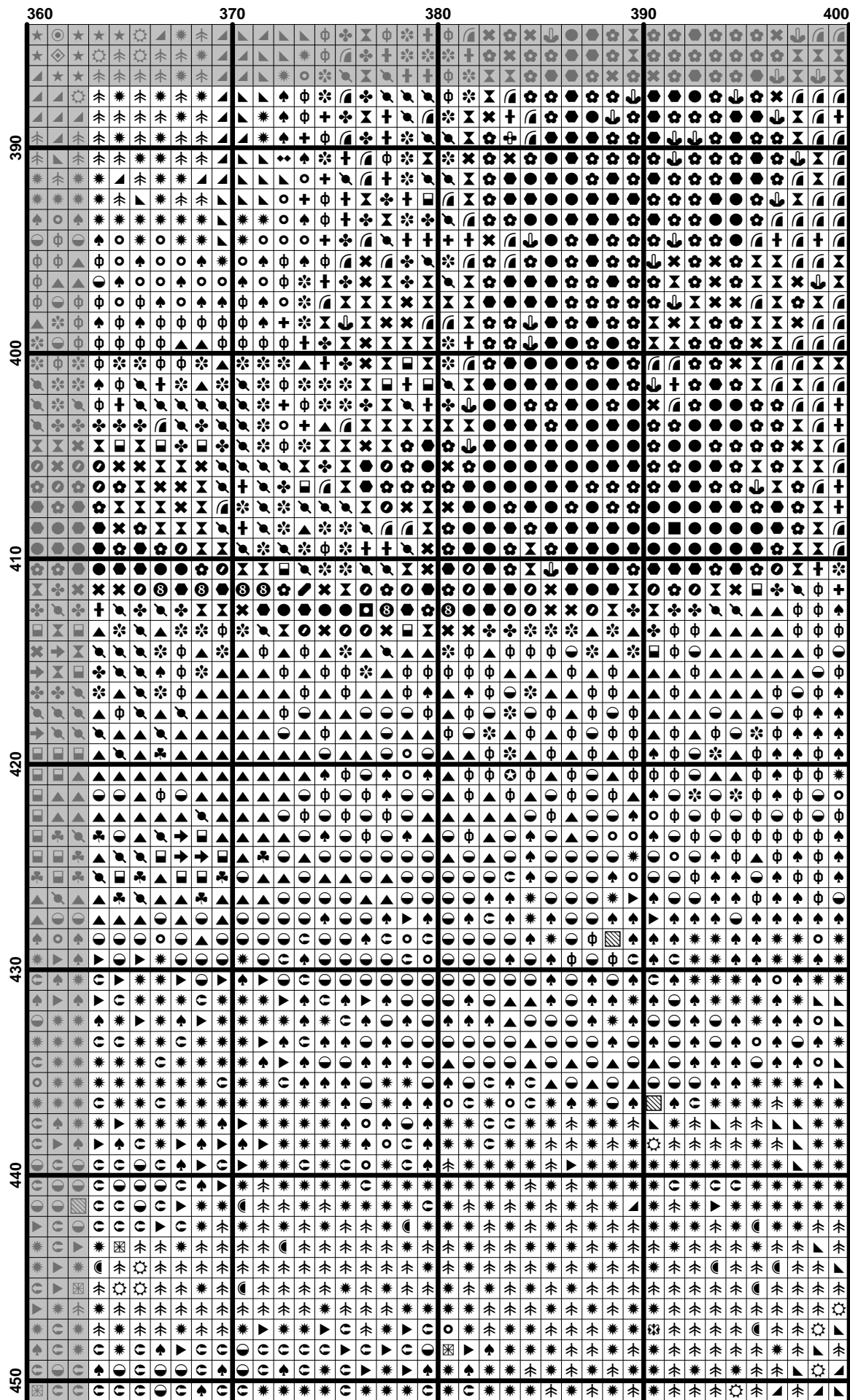


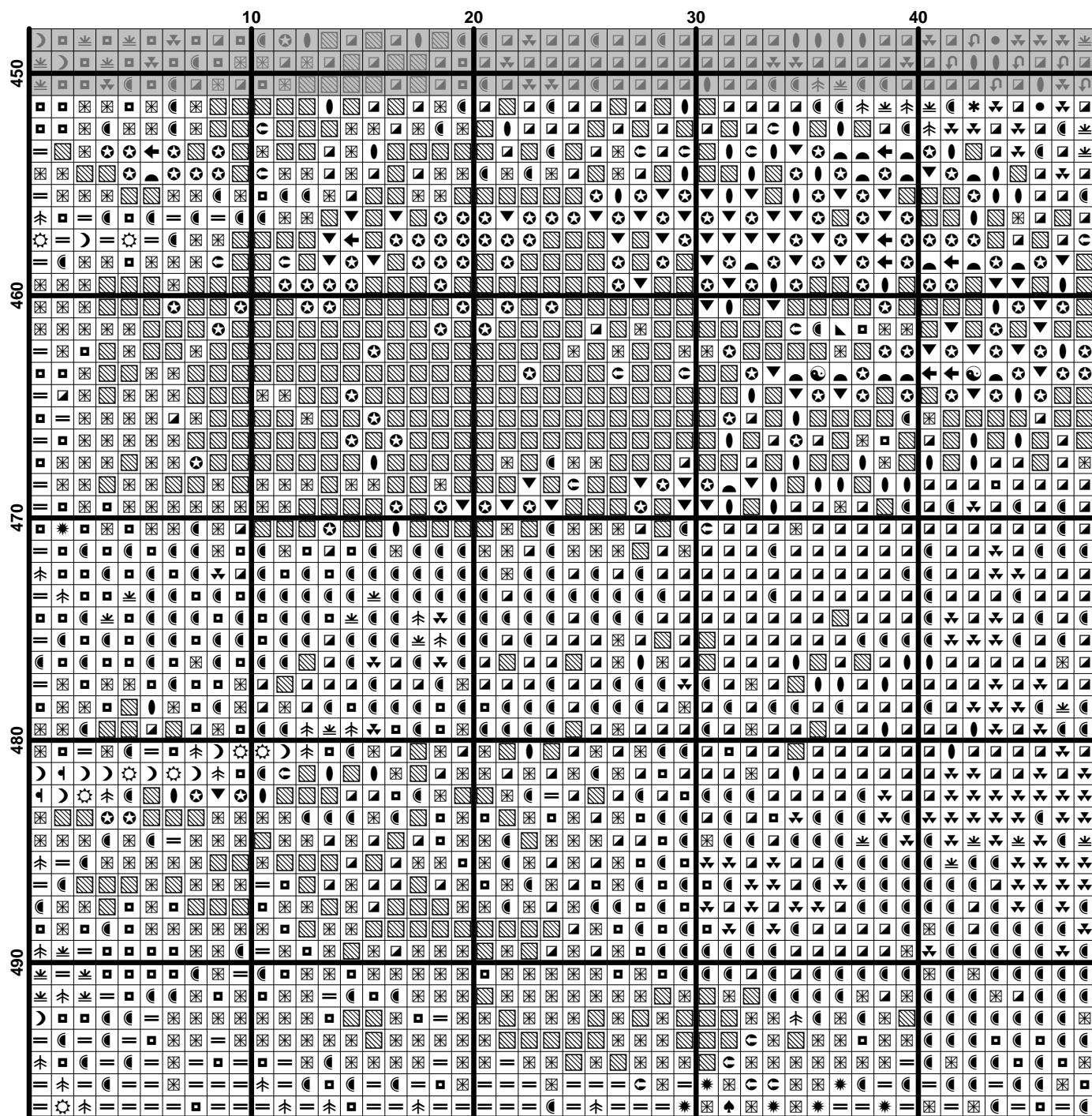


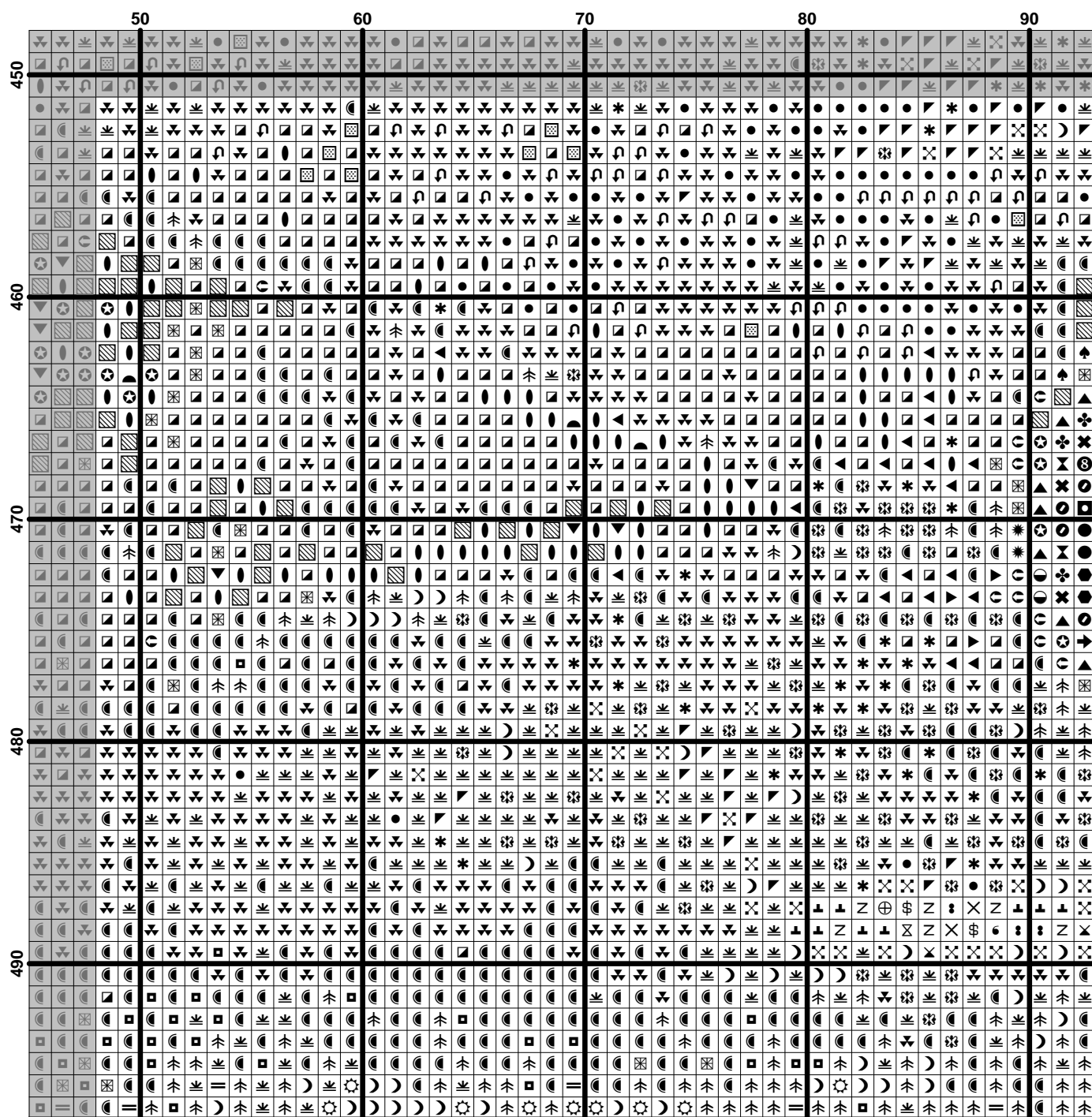
$$(69) \quad \text{[...]} \quad (70)$$



$$(71) \quad \text{[...]} \quad (72)$$

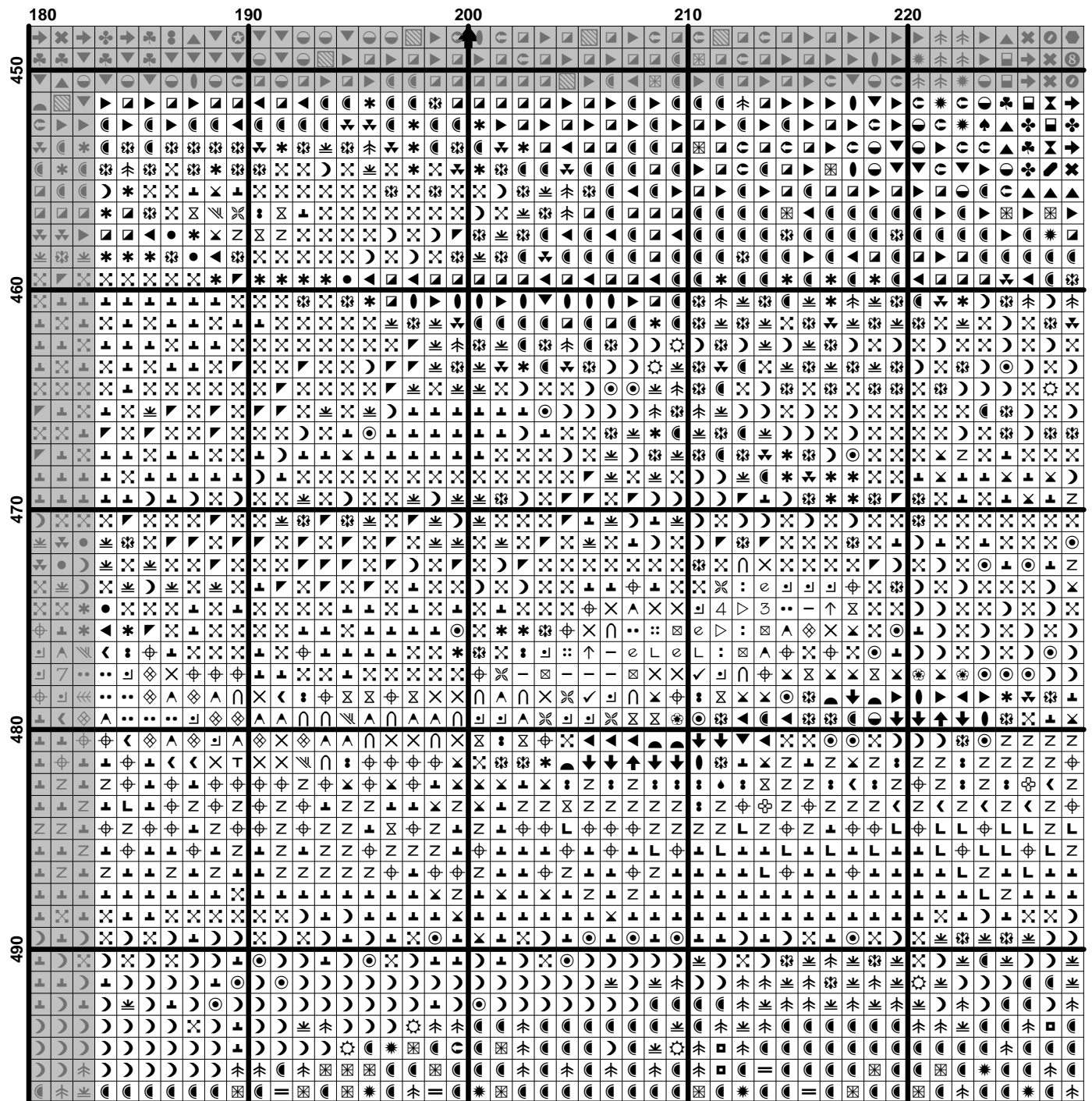






	90	100	110	120	130
450					
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490					

	140	150	160	170	180
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480					
490					



7iia@mail.ru

	270	280	290	300	310
450					
460					
470					
480					
490					

