

1785 Liliac (small)



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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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Liliac (small)

Stitch Count	
Horizontal:	360
Vertical:	519

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:	66	25,71	94	36,96	58	22,5	83	32,34	51	20	74	28,75
Including Margins:	82	32	110	43	74	29	99	39	67	27	90	35
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	92	35,99	131	51,74	77	29,99	109	43,12	38	14,99	54	21,56
Including Margins:	108	42	147	58	93	36	125	50	54	21	70	28
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	36	14,39	52	20,69	35	13,84	50	19,9	34	13,33	48	19,16
Including Margins:	52	21	68	27	51	20	66	26	50	20	64	26
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	33	12,85	47	18,48	30	11,99	43	17,24	28	11,24	41	16,17
Including Margins:	49	19	63	25	46	18	59	24	44	18	57	23

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

Symbol	DMC	Name
♣	223	Shell Pink-LT
)	307	Lemon
✠	333	Blue Violet-VY DK
✓	340	Blue Violet-MD
☆	372	Mustard-LT
↑	407	Desert Sand-DK
↩	415	Pearl Gray
?	452	Shell Gray-MD
L	453	Shell Gray-LT
◎	522	Fern Green
⋈	523	Fern Green-LT
✠	552	Violet-MD
✠	553	Violet
7	554	Violet-LT
8	564	Jade-VY LT
▲	580	Moss Green-DK
⊙	611	Drab Brown
▽	612	Drab Brown-LT
✠	632	Desert Sand-UL VY DK
▽	642	Beige Gray-DK
⊕	644	Beige Gray-MD
▲	645	Beaver Gray-VY DK
◦	677	Old Gold-VY LT
⊕	680	Old Gold-DK
◊	712	Cream
◆	732	Olive Green
5	734	Olive Green-LT
•	739	Tan-UL VY LT
↑	762	Pearl Gray-VY LT
⊕	782	Topaz-DK
⦿	815	Garnet-MD
✱	830	Golden Olive-DK
⦿	832	Golden Olive
✠	833	Golden Olive-LT
▨	839	Beige Brown-DK
◦	869	Hazelnut Brown-VY DK
✈	926	Gray Green-MD
⦿	934	Black Avocado Green
⦿	935	Avocado Green-DK
⦿	937	Avocado Green-MD
♥	938	Coffee Brown-UL DK
∞	948	Peach-VY LT
☑	3012	Khaki Green-MD
✓	3013	Khaki Green-LT
↓	3021	Brown Gray-VY DK
▷	3024	Brown Gray-VY LT
▨	3032	Mocha Brown-MD
✈	3041	Antique Violet-MD
✈	3052	Green Gray-MD
//	3346	Hunter Green
✈	3347	Yellow Green-MD
▨	3362	Pine Green-DK
✈	3363	Pine Green-MD

■	3371	Black Brown
♣	3685	Mauve-DK
=	3721	Shell Pink-DK
♡	3747	Blue Violet-VY LT
∞	3756	Baby Blue-UL VY LT
♠	3768	Gray Green-DK
☼	3772	Desert Sand-VY DK
▾	3787	Brown Gray-DK
⌘	3799	Pewter Gray-VY DK
↓	3822	Straw-LT
⊗	3834	Grape-DK
⊙	3835	Grape-MD
✱	3836	Grape-LT
♦♦	3837	Lavender-UL DK
⊞	3859	Rosewood-LT
∩	3861	Cocoa-LT
⌢	3862	Mocha Beige-DK
∪	3865	Winter White
∧	3866	Mocha Brown-UL VY LT

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
×	208	Lavender-VY DK	209	Lavender-DK
#	208	Lavender-VY DK	210	Lavender-MD
◀	208	Lavender-VY DK	793	Cornflower Blue-MD
⌘	208	Lavender-VY DK	3746	Blue Violet-DK
m	209	Lavender-DK	210	Lavender-MD
—	209	Lavender-DK	341	Blue Violet-LT
↖	209	Lavender-DK	3746	Blue Violet-DK
↙	210	Lavender-MD	341	Blue Violet-LT
⊙	210	Lavender-MD	3747	Blue Violet-VY LT
⇒	210	Lavender-MD	3841	Baby Blue-Pale
≡	223	Shell Pink-LT	407	Desert Sand-DK
▲	223	Shell Pink-LT	612	Drab Brown-LT
⊗	223	Shell Pink-LT	3032	Mocha Brown-MD
♣	223	Shell Pink-LT	3721	Shell Pink-DK
e	224	Shell Pink-VY LT	452	Shell Gray-MD
△	224	Shell Pink-VY LT	613	Drab Brown-VY LT
↖	307	Lemon	742	Tangerine-LT
∅	307	Lemon	3820	Straw-DK
∩	307	Lemon	3852	Straw-VY DK
■	310	Black	500	Blue Green-VY DK
●	310	Black	938	Coffee Brown-UL DK
✱	315	Antique Mauve-VY DK	3862	Mocha Beige-DK
⋈	316	Antique Mauve-MD	407	Desert Sand-DK
⋈	316	Antique Mauve-MD	553	Violet
⊞	316	Antique Mauve-MD	3864	Mocha Beige-LT
▶	317	Pewter Gray	327	Violet-VY DK
×	318	Steel Gray-LT	793	Cornflower Blue-MD
✂	318	Steel Gray-LT	931	Antique Blue-MD
⊙	327	Violet-VY DK	792	Cornflower Blue-DK
<	369	Pistachio Green-VY LT	3046	Yellow Beige-MD
■	370	Mustard-MD	611	Drab Brown

ج	370	Mustard-MD	612	Drab Brown-LT
::	372	Mustard-LT	407	Desert Sand-DK
3	372	Mustard-LT	437	Tan-LT
+	372	Mustard-LT	612	Drab Brown-LT
≡	372	Mustard-LT	3864	Mocha Beige-LT
o	407	Desert Sand-DK	644	Beige Gray-MD
н	407	Desert Sand-DK	3861	Cocoa-LT
	407	Desert Sand-DK	3864	Mocha Beige-LT
g	414	Steel Gray-DK	3042	Antique Violet-LT
:	415	Pearl Gray	3024	Brown Gray-VY LT
v	415	Pearl Gray	3753	Antique Blue-UL VY LT
+	420	Hazelnut Brown-DK	632	Desert Sand-UL VY DK
z	420	Hazelnut Brown-DK	3863	Mocha Beige-MD
+	435	Brown-VY LT	612	Drab Brown-LT
c	437	Tan-LT	738	Tan-VY LT
❖	451	Shell Gray-DK	3051	Green Gray-DK
4	452	Shell Gray-MD	613	Drab Brown-VY LT
◇	452	Shell Gray-MD	648	Beaver Gray-LT
☾	501	Blue Green-DK	502	Blue Green
	503	Blue Green-MD	647	Beaver Gray-MD
Δ	522	Fern Green	907	Parrot Green-LT
∇	522	Fern Green	3032	Mocha Brown-MD
2	523	Fern Green-LT	3861	Cocoa-LT
×	552	Violet-MD	793	Cornflower Blue-MD
+	580	Moss Green-DK	815	Garnet-MD
⌒	580	Moss Green-DK	829	Golden Olive-VY DK
◀	610	Drab Brown-DK	3362	Pine Green-DK
☾	611	Drab Brown	3860	Cocoa
=	612	Drab Brown-LT	3032	Mocha Brown-MD
□	612	Drab Brown-LT	3053	Green Gray
\$	612	Drab Brown-LT	3772	Desert Sand-VY DK
▲	632	Desert Sand-UL VY DK	898	Coffee Brown-VY DK
☾	632	Desert Sand-UL VY DK	3721	Shell Pink-DK
+	640	Beige Gray-VY DK	646	Beaver Gray-DK
+	640	Beige Gray-VY DK	3772	Desert Sand-VY DK
g	644	Beige Gray-MD	3864	Mocha Beige-LT
➤	646	Beaver Gray-DK	3772	Desert Sand-VY DK
τ	647	Beaver Gray-MD	926	Gray Green-MD
±	676	Old Gold-LT	734	Olive Green-LT
o	676	Old Gold-LT	738	Tan-VY LT
1	712	Cream	3865	Winter White
□	729	Old Gold-MD	3820	Straw-DK
▲	730	Olive Green-VY DK	3346	Hunter Green
▼	732	Olive Green	869	Hazelnut Brown-VY DK
▲	732	Olive Green	905	Parrot Green-DK
*	732	Olive Green	3347	Yellow Green-MD
☒	734	Olive Green-LT	907	Parrot Green-LT
(745	Yellow-LT Pale	945	Tawny
«	746	Off White	3823	Yellow-UL Pale
□	762	Pearl Gray-VY LT	3753	Antique Blue-UL VY LT
	762	Pearl Gray-VY LT	3841	Baby Blue-Pale
L	780	Topaz-UL VY DK	3829	Old Gold-VY DK
☐	782	Topaz-DK	3852	Straw-VY DK
⚙	792	Cornflower Blue-DK	3041	Antique Violet-MD
Φ	792	Cornflower Blue-DK	3834	Grape-DK
●	815	Garnet-MD	869	Hazelnut Brown-VY DK
■	815	Garnet-MD	3857	Rosewood-DK
n	819	Baby Pink-LT	3756	Baby Blue-UL VY LT
✕	823	Navy Blue-DK	930	Antique Blue-DK

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🦋	829	Golden Olive-VY DK	935	Avocado Green-DK
✿	829	Golden Olive-VY DK	936	Avocado Green-VY DK
✂	830	Golden Olive-DK	3346	Hunter Green
‡	831	Golden Olive-MD	832	Golden Olive
◇	832	Golden Olive	907	Parrot Green-LT
∩	832	Golden Olive	3012	Khaki Green-MD
◆	838	Beige Brown-VY DK	938	Coffee Brown-UL DK
➔	838	Beige Brown-VY DK	3857	Rosewood-DK
☯	839	Beige Brown-DK	844	Beaver Brown-UL DK
■	839	Beige Brown-DK	3862	Mocha Beige-DK
🍵	898	Coffee Brown-VY DK	3781	Mocha Brown-DK
←	902	Garnet-VY DK	3834	Grape-DK
≡	907	Parrot Green-LT	3820	Straw-DK
+	907	Parrot Green-LT	3852	Straw-VY DK
⬤	926	Gray Green-MD	3849	Teal Green-LT
⦶	927	Gray Green-LT	3042	Antique Violet-LT
○	927	Gray Green-LT	3849	Teal Green-LT
∴	927	Gray Green-LT	3861	Cocoa-LT
▼	930	Antique Blue-DK	3834	Grape-DK
⦿	934	Black Avocado Green	935	Avocado Green-DK
♣	935	Avocado Green-DK	936	Avocado Green-VY DK
🍷	936	Avocado Green-VY DK	937	Avocado Green-MD
↑	938	Coffee Brown-UL DK	3021	Brown Gray-VY DK
●	938	Coffee Brown-UL DK	3371	Black Brown
↓	938	Coffee Brown-UL DK	3857	Rosewood-DK
⬤	3021	Brown Gray-VY DK	3802	Antique Mauve-VY DK
⊕	3051	Green Gray-DK	3781	Mocha Brown-DK
⊗	3346	Hunter Green	3347	Yellow Green-MD
★	3362	Pine Green-DK	3363	Pine Green-MD
†	3362	Pine Green-DK	3799	Pewter Gray-VY DK
⊗	3371	Black Brown	3799	Pewter Gray-VY DK
🍷	3371	Black Brown	3834	Grape-DK
♠	3726	Antique Mauve-DK	3740	Antique Violet-DK
·∴	3733	Dusty Rose	3864	Mocha Beige-LT
●	3740	Antique Violet-DK	3787	Brown Gray-DK
◁	3820	Straw-DK	3852	Straw-VY DK
■	3834	Grape-DK	3835	Grape-MD
>	3855	Autumn Gold-LT	3856	Mahogany-UL VY LT

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	
208	Lavender-VY DK	362	142	345	135	311	122
209	Lavender-DK	482	189	459	180	413	162
210	Lavender-MD	370	145	352	138	317	124
223	Shell Pink-LT	82	32	78	30	71	27
224	Shell Pink-VY LT	14	5	14	5	12	4
307	Lemon	217	85	207	81	186	73
310	Black	1403	552	1336	525	1203	473
315	Antique Mauve-VY DK	16	6	15	5	14	5
316	Antique Mauve-MD	37	14	36	14	32	12
317	Pewter Gray	164	64	156	61	141	55
318	Steel Gray-LT	158	62	151	59	136	53
327	Violet-VY DK	197	77	187	73	169	66
333	Blue Violet-VY DK	19	7	18	7	16	6
340	Blue Violet-MD	118	46	113	44	102	40
341	Blue Violet-LT	382	150	364	143	327	128
369	Pistachio Green-VY LT	21	8	20	7	18	7
370	Mustard-MD	576	226	548	215	493	194
372	Mustard-LT	808	318	769	302	692	272
407	Desert Sand-DK	505	198	481	189	433	170
414	Steel Gray-DK	150	59	143	56	129	50
415	Pearl Gray	169	66	161	63	145	57
420	Hazelnut Brown-DK	99	38	94	37	85	33
435	Brown-VY LT	29	11	27	10	25	9
437	Tan-LT	46	18	44	17	40	15
451	Shell Gray-DK	133	52	127	50	114	44
452	Shell Gray-MD	113	44	108	42	97	38
453	Shell Gray-LT	34	13	33	12	30	11
500	Blue Green-VY DK	1016	400	968	381	871	342
501	Blue Green-DK	36	14	34	13	31	12
502	Blue Green	36	14	34	13	31	12
503	Blue Green-MD	35	13	34	13	30	11
522	Fern Green	215	84	205	80	184	72
523	Fern Green-LT	264	103	251	98	226	88
552	Violet-MD	289	113	275	108	248	97
553	Violet	142	55	136	53	122	48
554	Violet-LT	25	9	24	9	21	8
564	Jade-VY LT	35	13	33	12	30	11
580	Moss Green-DK	1328	522	1265	498	1139	448
610	Drab Brown-DK	320	125	305	120	274	107
611	Drab Brown	761	299	725	285	652	256
612	Drab Brown-LT	2016	793	1920	755	1728	680
613	Drab Brown-VY LT	24	9	23	9	21	8
632	Desert Sand-UL VY DK	101	39	97	38	87	34
640	Beige Gray-VY DK	229	90	218	85	196	77
642	Beige Gray-DK	313	123	298	117	269	105
644	Beige Gray-MD	169	66	161	63	145	57
645	Beaver Gray-VY DK	464	182	442	174	397	156
646	Beaver Gray-DK	329	129	314	123	282	111
647	Beaver Gray-MD	157	61	150	59	135	53
648	Beaver Gray-LT	35	13	33	12	30	11
676	Old Gold-LT	71	27	68	26	61	24
677	Old Gold-VY LT	39	15	38	14	34	13
680	Old Gold-DK	15	5	14	5	13	5

712	Cream	141	55	135	53	121	47
729	Old Gold-MD	50	19	48	18	43	16
730	Olive Green-VY DK	206	81	196	77	177	69
732	Olive Green	910	358	867	341	780	307
734	Olive Green-LT	159	62	152	59	136	53
738	Tan-VY LT	38	14	37	14	33	12
739	Tan-UL VY LT	54	21	51	20	46	18
742	Tangerine-LT	10	3	10	3	9	3
745	Yellow-LT Pale	16	6	16	6	14	5
746	Off White	15	5	14	5	13	5
762	Pearl Gray-VY LT	122	48	116	45	104	40
780	Topaz-UL VY DK	18	7	18	7	16	6
782	Topaz-DK	22	8	21	8	19	7
792	Cornflower Blue-DK	188	74	179	70	161	63
793	Cornflower Blue-MD	365	143	347	136	313	123
815	Garnet-MD	155	61	148	58	133	52
819	Baby Pink-LT	35	13	34	13	30	11
823	Navy Blue-DK	29	11	27	10	25	9
829	Golden Olive-VY DK	1554	611	1480	582	1332	524
830	Golden Olive-DK	579	227	552	217	497	195
831	Golden Olive-MD	83	32	80	31	72	28
832	Golden Olive	341	134	325	127	293	115
833	Golden Olive-LT	161	63	154	60	138	54
838	Beige Brown-VY DK	195	76	186	73	167	65
839	Beige Brown-DK	494	194	470	185	423	166
844	Beaver Brown-UL DK	223	87	213	83	191	75
869	Hazelnut Brown-VY DK	389	153	371	146	334	131
898	Coffee Brown-VY DK	196	77	186	73	168	66
902	Garnet-VY DK	19	7	18	7	17	6
905	Parrot Green-DK	238	93	227	89	204	80
907	Parrot Green-LT	219	86	208	81	187	73
926	Gray Green-MD	419	164	399	157	359	141
927	Gray Green-LT	108	42	103	40	93	36
930	Antique Blue-DK	108	42	103	40	93	36
931	Antique Blue-MD	57	22	54	21	49	19
934	Black Avocado Green	2090	822	1991	783	1792	705
935	Avocado Green-DK	3358	1322	3198	1259	2878	1133
936	Avocado Green-VY DK	2205	868	2100	826	1890	744
937	Avocado Green-MD	1532	603	1459	574	1313	516
938	Coffee Brown-UL DK	2380	937	2267	892	2040	803
945	Tawny	16	6	16	6	14	5
948	Peach-VY LT	46	18	44	17	40	15
3012	Khaki Green-MD	231	90	220	86	198	77
3013	Khaki Green-LT	53	20	51	20	46	18
3021	Brown Gray-VY DK	1088	428	1037	408	933	367
3024	Brown Gray-VY LT	106	41	101	39	91	35
3032	Mocha Brown-MD	1264	497	1204	474	1084	426
3041	Antique Violet-MD	593	233	564	222	508	200
3042	Antique Violet-LT	219	86	209	82	188	74
3046	Yellow Beige-MD	21	8	20	7	18	7
3051	Green Gray-DK	419	164	399	157	359	141
3052	Green Gray-MD	197	77	188	74	169	66
3053	Green Gray	233	91	222	87	200	78
3346	Hunter Green	715	281	681	268	613	241
3347	Yellow Green-MD	471	185	449	176	404	159
3362	Pine Green-DK	1440	566	1372	540	1235	486
3363	Pine Green-MD	376	148	358	140	322	126
3371	Black Brown	4382	1725	4173	1642	3756	1478
3685	Mauve-DK	22	8	21	8	19	7

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3721	Shell Pink-DK	12	4	12	4	10	3
3726	Antique Mauve-DK	16	6	15	5	14	5
3733	Dusty Rose	3	1	3	1	3	1
3740	Antique Violet-DK	103	40	98	38	89	35
3746	Blue Violet-DK	180	70	172	67	155	61
3747	Blue Violet-VY LT	61	24	58	22	53	20
3753	Antique Blue-UL VY LT	75	29	71	27	64	25
3756	Baby Blue-UL VY LT	84	33	80	31	72	28
3768	Gray Green-DK	105	41	100	39	90	35
3772	Desert Sand-VY DK	459	180	437	172	393	154
3781	Mocha Brown-DK	435	171	414	162	373	146
3787	Brown Gray-DK	480	188	458	180	412	162
3799	Pewter Gray-VY DK	1157	455	1102	433	992	390
3802	Antique Mauve-VY DK	47	18	45	17	41	16
3820	Straw-DK	215	84	205	80	184	72
3822	Straw-LT	110	43	105	41	94	37
3823	Yellow-UL Pale	15	5	14	5	13	5
3829	Old Gold-VY DK	18	7	18	7	16	6
3834	Grape-DK	360	141	343	135	309	121
3835	Grape-MD	102	40	97	38	88	34
3836	Grape-LT	44	17	42	16	38	14
3837	Lavender-UL DK	63	24	60	23	54	21
3841	Baby Blue-Pale	47	18	45	17	40	15
3849	Teal Green-LT	34	13	33	12	29	11
3852	Straw-VY DK	141	55	134	52	121	47
3855	Autumn Gold-LT	17	6	16	6	14	5
3856	Mahogany-UL VY LT	17	6	16	6	14	5
3857	Rosewood-DK	163	64	155	61	140	55
3859	Rosewood-LT	4	1	3	1	3	1
3860	Cocoa	95	37	90	35	81	31
3861	Cocoa-LT	421	165	401	157	361	142
3862	Mocha Beige-DK	387	152	368	144	332	130
3863	Mocha Beige-MD	75	29	72	28	65	25
3864	Mocha Beige-LT	326	128	310	122	279	109
3865	Winter White	279	109	266	104	240	94
3866	Mocha Brown-UL VY LT	106	41	101	39	91	35

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
208	Lavender-VY DK	560	220	467	183	233	92
209	Lavender-DK	743	292	620	243	310	122
210	Lavender-MD	571	223	476	186	238	93
223	Shell Pink-LT	128	49	107	41	53	20
224	Shell Pink-VY LT	22	7	18	6	9	3
307	Lemon	335	131	279	110	140	55
310	Black	2165	851	1805	710	902	355
315	Antique Mauve-VY DK	25	9	21	8	11	4
316	Antique Mauve-MD	58	22	48	18	24	9
317	Pewter Gray	254	99	212	83	106	41
318	Steel Gray-LT	245	95	204	80	102	40
327	Violet-VY DK	304	119	254	99	127	50
333	Blue Violet-VY DK	29	11	24	9	12	5
340	Blue Violet-MD	184	72	153	60	77	30
341	Blue Violet-LT	589	230	491	192	245	96
369	Pistachio Green-VY LT	32	13	27	11	14	5

370	Mustard-MD	887	349	740	291	370	146
372	Mustard-LT	1246	490	1038	408	519	204
407	Desert Sand-DK	779	306	650	255	325	128
414	Steel Gray-DK	232	90	194	75	97	38
415	Pearl Gray	261	103	218	86	109	43
420	Hazelnut Brown-DK	153	59	128	50	64	25
435	Brown-VY LT	45	16	38	14	19	7
437	Tan-LT	72	27	60	23	30	11
451	Shell Gray-DK	205	79	171	66	86	33
452	Shell Gray-MD	175	68	146	57	73	29
453	Shell Gray-LT	54	20	45	17	23	8
500	Blue Green-VY DK	1568	616	1307	513	653	257
501	Blue Green-DK	56	22	47	18	23	9
502	Blue Green	56	22	47	18	23	9
503	Blue Green-MD	54	20	45	17	23	8
522	Fern Green	331	130	276	108	138	54
523	Fern Green-LT	407	158	339	132	170	66
552	Violet-MD	446	175	372	146	186	73
553	Violet	220	86	183	72	92	36
554	Violet-LT	38	14	32	12	16	6
564	Jade-VY LT	54	20	45	17	23	8
580	Moss Green-DK	2050	806	1709	672	854	336
610	Drab Brown-DK	493	193	411	161	206	80
611	Drab Brown	1174	461	978	384	489	192
612	Drab Brown-LT	3110	1224	2592	1020	1296	510
613	Drab Brown-VY LT	38	14	32	12	16	6
632	Desert Sand-UL VY DK	157	61	131	51	65	26
640	Beige Gray-VY DK	353	139	294	116	147	58
642	Beige Gray-DK	484	189	404	158	202	79
644	Beige Gray-MD	261	103	218	86	109	43
645	Beaver Gray-VY DK	715	281	596	234	298	117
646	Beaver Gray-DK	508	200	423	167	212	83
647	Beaver Gray-MD	243	95	203	80	101	40
648	Beaver Gray-LT	54	20	45	17	23	8
676	Old Gold-LT	110	43	92	36	46	18
677	Old Gold-VY LT	61	23	51	20	26	10
680	Old Gold-DK	23	9	20	8	10	4
712	Cream	218	85	182	71	91	35
729	Old Gold-MD	77	29	65	24	32	12
730	Olive Green-VY DK	319	124	266	104	133	52
732	Olive Green	1404	553	1170	461	585	230
734	Olive Green-LT	245	95	204	80	102	40
738	Tan-VY LT	59	22	50	18	25	9
739	Tan-UL VY LT	83	32	69	27	35	14
742	Tangerine-LT	16	5	14	5	7	2
745	Yellow-LT Pale	25	9	21	8	11	4
746	Off White	23	9	20	8	10	4
762	Pearl Gray-VY LT	187	72	156	60	78	30
780	Topaz-UL VY DK	29	11	24	9	12	5
782	Topaz-DK	34	13	29	11	14	5
792	Cornflower Blue-DK	290	113	242	95	121	47
793	Cornflower Blue-MD	563	221	470	185	235	92
815	Garnet-MD	239	94	200	78	100	39
819	Baby Pink-LT	54	20	45	17	23	8
823	Navy Blue-DK	45	16	38	14	19	7
829	Golden Olive-VY DK	2398	943	1998	786	999	393
830	Golden Olive-DK	895	351	746	293	373	146
831	Golden Olive-MD	130	50	108	42	54	21
832	Golden Olive	527	207	440	173	220	86

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833	Golden Olive-LT	248	97	207	81	104	41
838	Beige Brown-VY DK	301	117	251	98	125	49
839	Beige Brown-DK	761	299	635	249	317	125
844	Beaver Brown-UL DK	344	135	287	113	143	56
869	Hazelnut Brown-VY DK	601	236	501	197	251	98
898	Coffee Brown-VY DK	302	119	252	99	126	50
902	Garnet-VY DK	31	11	26	9	13	5
905	Parrot Green-DK	367	144	306	120	153	60
907	Parrot Green-LT	337	131	281	110	140	55
926	Gray Green-MD	646	254	539	212	269	106
927	Gray Green-LT	167	65	140	54	70	27
930	Antique Blue-DK	167	65	140	54	70	27
931	Antique Blue-MD	88	34	74	29	37	14
934	Black Avocado Green	3226	1269	2688	1058	1344	529
935	Avocado Green-DK	5180	2039	4317	1700	2159	850
936	Avocado Green-VY DK	3402	1339	2835	1116	1418	558
937	Avocado Green-MD	2363	929	1970	774	985	387
938	Coffee Brown-UL DK	3672	1445	3060	1205	1530	602
945	Tawny	25	9	21	8	11	4
948	Peach-VY LT	72	27	60	23	30	11
3012	Khaki Green-MD	356	139	297	116	149	58
3013	Khaki Green-LT	83	32	69	27	35	14
3021	Brown Gray-VY DK	1679	661	1400	551	700	275
3024	Brown Gray-VY LT	164	63	137	53	68	26
3032	Mocha Brown-MD	1951	767	1626	639	813	320
3041	Antique Violet-MD	914	360	762	300	381	150
3042	Antique Violet-LT	338	133	282	111	141	56
3046	Yellow Beige-MD	32	13	27	11	14	5
3051	Green Gray-DK	646	254	539	212	269	106
3052	Green Gray-MD	304	119	254	99	127	50
3053	Green Gray	360	140	300	117	150	59
3346	Hunter Green	1103	434	920	362	460	181
3347	Yellow Green-MD	727	286	606	239	303	119
3362	Pine Green-DK	2223	875	1853	729	926	365
3363	Pine Green-MD	580	227	483	189	242	95
3371	Black Brown	6761	2660	5634	2217	2817	1109
3685	Mauve-DK	34	13	29	11	14	5
3721	Shell Pink-DK	18	5	15	5	8	2
3726	Antique Mauve-DK	25	9	21	8	11	4
3733	Dusty Rose	5	2	5	2	2	1
3740	Antique Violet-DK	160	63	134	53	67	26
3746	Blue Violet-DK	279	110	233	92	116	46
3747	Blue Violet-VY LT	95	36	80	30	40	15
3753	Antique Blue-UL VY LT	115	45	96	38	48	19
3756	Baby Blue-UL VY LT	130	50	108	42	54	21
3768	Gray Green-DK	162	63	135	53	68	26
3772	Desert Sand-VY DK	707	277	590	231	295	116
3781	Mocha Brown-DK	671	263	560	219	280	110
3787	Brown Gray-DK	742	292	618	243	309	122
3799	Pewter Gray-VY DK	1786	702	1488	585	744	293
3802	Antique Mauve-VY DK	74	29	62	24	31	12
3820	Straw-DK	331	130	276	108	138	54
3822	Straw-LT	169	67	141	56	71	28
3823	Yellow-UL Pale	23	9	20	8	10	4
3829	Old Gold-VY DK	29	11	24	9	12	5
3834	Grape-DK	556	218	464	182	232	91
3835	Grape-MD	158	61	132	51	66	26
3836	Grape-LT	68	25	57	21	29	11
3837	Lavender-UL DK	97	38	81	32	41	16

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3841	Baby Blue-Pale	72	27	60	23	30	11
3849	Teal Green-LT	52	20	44	17	22	8
3852	Straw-VY DK	218	85	182	71	91	35
3855	Autumn Gold-LT	25	9	21	8	11	4
3856	Mahogany-UL VY LT	25	9	21	8	11	4
3857	Rosewood-DK	252	99	210	83	105	41
3859	Rosewood-LT	5	2	5	2	2	1
3860	Cocoa	146	56	122	47	61	23
3861	Cocoa-LT	650	256	542	213	271	107
3862	Mocha Beige-DK	598	234	498	195	249	98
3863	Mocha Beige-MD	117	45	98	38	49	19
3864	Mocha Beige-LT	502	196	419	164	209	82
3865	Winter White	432	169	360	141	180	71
3866	Mocha Brown-UL VY LT	164	63	137	53	68	26

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
208	Lavender-VY DK	224	88	215	84	207	81
209	Lavender-DK	297	117	286	112	275	108
210	Lavender-MD	228	89	219	86	211	83
223	Shell Pink-LT	51	19	49	19	47	18
224	Shell Pink-VY LT	9	3	8	3	8	3
307	Lemon	134	53	129	51	124	49
310	Black	866	341	833	327	802	315
315	Antique Mauve-VY DK	10	4	10	3	9	3
316	Antique Mauve-MD	23	9	22	8	21	8
317	Pewter Gray	102	40	98	38	94	37
318	Steel Gray-LT	98	38	94	37	91	35
327	Violet-VY DK	122	48	117	46	113	44
333	Blue Violet-VY DK	12	4	11	4	11	4
340	Blue Violet-MD	73	29	71	28	68	27
341	Blue Violet-LT	235	92	226	89	218	85
369	Pistachio Green-VY LT	13	5	12	5	12	5
370	Mustard-MD	355	140	341	134	329	129
372	Mustard-LT	498	196	479	188	461	181
407	Desert Sand-DK	312	122	300	118	289	113
414	Steel Gray-DK	93	36	89	35	86	33
415	Pearl Gray	104	41	100	39	97	38
420	Hazelnut Brown-DK	61	24	59	23	57	22
435	Brown-VY LT	18	6	17	6	17	6
437	Tan-LT	29	11	28	10	27	10
451	Shell Gray-DK	82	32	79	30	76	29
452	Shell Gray-MD	70	27	67	26	65	25
453	Shell Gray-LT	22	8	21	8	20	7
500	Blue Green-VY DK	627	246	603	237	581	228
501	Blue Green-DK	22	9	21	8	21	8
502	Blue Green	22	9	21	8	21	8
503	Blue Green-MD	22	8	21	8	20	7
522	Fern Green	132	52	127	50	123	48
523	Fern Green-LT	163	63	156	61	151	59
552	Violet-MD	179	70	172	67	165	65
553	Violet	88	35	84	33	81	32
554	Violet-LT	15	6	15	6	14	5
564	Jade-VY LT	22	8	21	8	20	7
580	Moss Green-DK	820	323	789	310	759	299

610	Drab Brown-DK	197	77	190	74	183	71
611	Drab Brown	469	184	451	177	435	171
612	Drab Brown-LT	1244	490	1196	471	1152	453
613	Drab Brown-VY LT	15	6	15	6	14	5
632	Desert Sand-UL VY DK	63	24	60	24	58	23
640	Beige Gray-VY DK	141	55	136	53	131	51
642	Beige Gray-DK	194	76	186	73	179	70
644	Beige Gray-MD	104	41	100	39	97	38
645	Beaver Gray-VY DK	286	112	275	108	265	104
646	Beaver Gray-DK	203	80	195	77	188	74
647	Beaver Gray-MD	97	38	93	37	90	35
648	Beaver Gray-LT	22	8	21	8	20	7
676	Old Gold-LT	44	17	42	17	41	16
677	Old Gold-VY LT	24	9	24	9	23	9
680	Old Gold-DK	9	4	9	3	9	3
712	Cream	87	34	84	33	81	31
729	Old Gold-MD	31	12	30	11	29	11
730	Olive Green-VY DK	127	50	123	48	118	46
732	Olive Green	562	221	540	213	520	205
734	Olive Green-LT	98	38	94	37	91	35
738	Tan-VY LT	24	9	23	8	22	8
739	Tan-UL VY LT	33	13	32	12	31	12
742	Tangerine-LT	6	2	6	2	6	2
745	Yellow-LT Pale	10	4	10	3	9	3
746	Off White	9	4	9	3	9	3
762	Pearl Gray-VY LT	75	29	72	28	69	27
780	Topaz-UL VY DK	12	4	11	4	11	4
782	Topaz-DK	14	5	13	5	13	5
792	Cornflower Blue-DK	116	45	111	44	107	42
793	Cornflower Blue-MD	225	89	217	85	209	82
815	Garnet-MD	96	37	92	36	89	35
819	Baby Pink-LT	22	8	21	8	20	7
823	Navy Blue-DK	18	6	17	6	17	6
829	Golden Olive-VY DK	959	377	922	363	888	349
830	Golden Olive-DK	358	140	344	135	331	130
831	Golden Olive-MD	52	20	50	19	48	19
832	Golden Olive	211	83	203	80	195	77
833	Golden Olive-LT	99	39	96	37	92	36
838	Beige Brown-VY DK	120	47	116	45	111	43
839	Beige Brown-DK	305	120	293	115	282	111
844	Beaver Brown-UL DK	138	54	132	52	127	50
869	Hazelnut Brown-VY DK	240	94	231	91	223	87
898	Coffee Brown-VY DK	121	48	116	46	112	44
902	Garnet-VY DK	12	4	12	4	11	4
905	Parrot Green-DK	147	58	141	55	136	53
907	Parrot Green-LT	135	53	129	51	125	49
926	Gray Green-MD	258	102	249	98	239	94
927	Gray Green-LT	67	26	64	25	62	24
930	Antique Blue-DK	67	26	64	25	62	24
931	Antique Blue-MD	35	14	34	13	33	13
934	Black Avocado Green	1290	508	1241	488	1195	470
935	Avocado Green-DK	2072	816	1992	784	1919	755
936	Avocado Green-VY DK	1361	536	1308	515	1260	496
937	Avocado Green-MD	945	372	909	357	875	344
938	Coffee Brown-UL DK	1469	578	1412	556	1360	535
945	Tawny	10	4	10	3	9	3
948	Peach-VY LT	29	11	28	10	27	10
3012	Khaki Green-MD	143	55	137	53	132	51
3013	Khaki Green-LT	33	13	32	12	31	12

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3021	Brown Gray-VY DK	672	264	646	254	622	245
3024	Brown Gray-VY LT	66	25	63	24	61	23
3032	Mocha Brown-MD	780	307	750	295	723	284
3041	Antique Violet-MD	366	144	352	138	339	133
3042	Antique Violet-LT	135	53	130	51	125	49
3046	Yellow Beige-MD	13	5	12	5	12	5
3051	Green Gray-DK	258	102	249	98	239	94
3052	Green Gray-MD	122	48	117	46	113	44
3053	Green Gray	144	56	138	54	133	52
3346	Hunter Green	441	174	424	167	409	161
3347	Yellow Green-MD	291	114	280	110	269	106
3362	Pine Green-DK	889	350	855	336	823	324
3363	Pine Green-MD	232	91	223	87	215	84
3371	Black Brown	2704	1064	2600	1023	2504	985
3685	Mauve-DK	14	5	13	5	13	5
3721	Shell Pink-DK	7	2	7	2	7	2
3726	Antique Mauve-DK	10	4	10	3	9	3
3733	Dusty Rose	2	1	2	1	2	1
3740	Antique Violet-DK	64	25	62	24	59	23
3746	Blue Violet-DK	112	44	107	42	103	41
3747	Blue Violet-VY LT	38	14	37	14	35	13
3753	Antique Blue-UL VY LT	46	18	44	17	43	17
3756	Baby Blue-UL VY LT	52	20	50	19	48	19
3768	Gray Green-DK	65	25	62	24	60	23
3772	Desert Sand-VY DK	283	111	272	107	262	103
3781	Mocha Brown-DK	269	105	258	101	249	97
3787	Brown Gray-DK	297	117	285	112	275	108
3799	Pewter Gray-VY DK	714	281	687	270	661	260
3802	Antique Mauve-VY DK	30	12	28	11	27	11
3820	Straw-DK	132	52	127	50	123	48
3822	Straw-LT	68	27	65	26	63	25
3823	Yellow-UL Pale	9	4	9	3	9	3
3829	Old Gold-VY DK	12	4	11	4	11	4
3834	Grape-DK	222	87	214	84	206	81
3835	Grape-MD	63	24	61	24	59	23
3836	Grape-LT	27	10	26	10	25	9
3837	Lavender-UL DK	39	15	37	15	36	14
3841	Baby Blue-Pale	29	11	28	10	27	10
3849	Teal Green-LT	21	8	20	8	19	7
3852	Straw-VY DK	87	34	84	33	81	31
3855	Autumn Gold-LT	10	4	10	3	9	3
3856	Mahogany-UL VY LT	10	4	10	3	9	3
3857	Rosewood-DK	101	40	97	38	93	37
3859	Rosewood-LT	2	1	2	1	2	1
3860	Cocoa	58	22	56	21	54	21
3861	Cocoa-LT	260	102	250	98	241	95
3862	Mocha Beige-DK	239	94	230	90	221	87
3863	Mocha Beige-MD	47	18	45	17	43	17
3864	Mocha Beige-LT	201	78	193	75	186	73
3865	Winter White	173	68	166	65	160	63
3866	Mocha Brown-UL VY LT	66	25	63	24	61	23

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
208	Lavender-VY DK	200	78	187	73	175	69

209	Lavender-DK	266	104	248	97	232	91
210	Lavender-MD	204	80	190	74	178	70
223	Shell Pink-LT	46	17	43	16	40	15
224	Shell Pink-VY LT	8	3	7	2	7	2
307	Lemon	120	47	112	44	105	41
310	Black	773	304	722	284	677	266
315	Antique Mauve-VY DK	9	3	8	3	8	3
316	Antique Mauve-MD	21	8	19	7	18	7
317	Pewter Gray	91	35	85	33	79	31
318	Steel Gray-LT	87	34	82	32	77	30
327	Violet-VY DK	109	42	101	40	95	37
333	Blue Violet-VY DK	10	4	10	4	9	3
340	Blue Violet-MD	66	26	61	24	57	23
341	Blue Violet-LT	210	82	196	77	184	72
369	Pistachio Green-VY LT	12	5	11	4	10	4
370	Mustard-MD	317	125	296	116	277	109
372	Mustard-LT	445	175	415	163	389	153
407	Desert Sand-DK	278	109	260	102	244	96
414	Steel Gray-DK	83	32	77	30	73	28
415	Pearl Gray	93	37	87	34	82	32
420	Hazelnut Brown-DK	55	21	51	20	48	19
435	Brown-VY LT	16	6	15	5	14	5
437	Tan-LT	26	10	24	9	23	8
451	Shell Gray-DK	73	28	68	26	64	25
452	Shell Gray-MD	62	24	58	23	55	21
453	Shell Gray-LT	19	7	18	7	17	6
500	Blue Green-VY DK	560	220	523	205	490	192
501	Blue Green-DK	20	8	19	7	17	7
502	Blue Green	20	8	19	7	17	7
503	Blue Green-MD	19	7	18	7	17	6
522	Fern Green	118	46	110	43	104	41
523	Fern Green-LT	145	57	136	53	127	50
552	Violet-MD	159	62	149	58	140	55
553	Violet	78	31	73	29	69	27
554	Violet-LT	14	5	13	5	12	5
564	Jade-VY LT	19	7	18	7	17	6
580	Moss Green-DK	732	288	683	269	641	252
610	Drab Brown-DK	176	69	164	64	154	60
611	Drab Brown	419	165	391	154	367	144
612	Drab Brown-LT	1111	437	1037	408	972	383
613	Drab Brown-VY LT	14	5	13	5	12	5
632	Desert Sand-UL VY DK	56	22	52	20	49	19
640	Beige Gray-VY DK	126	50	118	46	110	43
642	Beige Gray-DK	173	68	161	63	151	59
644	Beige Gray-MD	93	37	87	34	82	32
645	Beaver Gray-VY DK	255	100	238	94	223	88
646	Beaver Gray-DK	181	71	169	67	159	62
647	Beaver Gray-MD	87	34	81	32	76	30
648	Beaver Gray-LT	19	7	18	7	17	6
676	Old Gold-LT	39	15	37	14	34	14
677	Old Gold-VY LT	22	8	20	8	19	7
680	Old Gold-DK	8	3	8	3	7	3
712	Cream	78	30	73	28	68	26
729	Old Gold-MD	28	10	26	10	24	9
730	Olive Green-VY DK	114	44	106	41	100	39
732	Olive Green	501	197	468	184	439	173
734	Olive Green-LT	87	34	82	32	77	30
738	Tan-VY LT	21	8	20	7	19	7
739	Tan-UL VY LT	30	12	28	11	26	10

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742	Tangerine-LT	6	2	5	2	5	2
745	Yellow-LT Pale	9	3	8	3	8	3
746	Off White	8	3	8	3	7	3
762	Pearl Gray-VY LT	67	26	62	24	59	23
780	Topaz-UL VY DK	10	4	10	4	9	3
782	Topaz-DK	12	5	11	4	11	4
792	Cornflower Blue-DK	104	41	97	38	91	35
793	Cornflower Blue-MD	201	79	188	74	176	69
815	Garnet-MD	86	33	80	31	75	29
819	Baby Pink-LT	19	7	18	7	17	6
823	Navy Blue-DK	16	6	15	5	14	5
829	Golden Olive-VY DK	856	337	799	314	749	295
830	Golden Olive-DK	320	125	298	117	280	110
831	Golden Olive-MD	46	18	43	17	41	16
832	Golden Olive	188	74	176	69	165	65
833	Golden Olive-LT	89	35	83	32	78	30
838	Beige Brown-VY DK	107	42	100	39	94	37
839	Beige Brown-DK	272	107	254	100	238	93
844	Beaver Brown-UL DK	123	48	115	45	107	42
869	Hazelnut Brown-VY DK	215	84	200	79	188	74
898	Coffee Brown-VY DK	108	42	101	40	95	37
902	Garnet-VY DK	11	4	10	4	10	3
905	Parrot Green-DK	131	51	122	48	115	45
907	Parrot Green-LT	120	47	112	44	105	41
926	Gray Green-MD	231	91	215	85	202	79
927	Gray Green-LT	60	23	56	22	52	20
930	Antique Blue-DK	60	23	56	22	52	20
931	Antique Blue-MD	32	12	29	11	28	11
934	Black Avocado Green	1152	453	1075	423	1008	397
935	Avocado Green-DK	1850	728	1727	680	1619	637
936	Avocado Green-VY DK	1215	478	1134	446	1063	419
937	Avocado Green-MD	844	332	788	310	739	290
938	Coffee Brown-UL DK	1311	516	1224	482	1148	452
945	Tawny	9	3	8	3	8	3
948	Peach-VY LT	26	10	24	9	23	8
3012	Khaki Green-MD	127	50	119	46	111	43
3013	Khaki Green-LT	30	12	28	11	26	10
3021	Brown Gray-VY DK	600	236	560	220	525	206
3024	Brown Gray-VY LT	59	23	55	21	51	20
3032	Mocha Brown-MD	697	274	650	256	610	240
3041	Antique Violet-MD	327	129	305	120	286	113
3042	Antique Violet-LT	121	48	113	44	106	42
3046	Yellow Beige-MD	12	5	11	4	10	4
3051	Green Gray-DK	231	91	215	85	202	79
3052	Green Gray-MD	109	42	101	40	95	37
3053	Green Gray	129	50	120	47	113	44
3346	Hunter Green	394	155	368	145	345	136
3347	Yellow Green-MD	260	102	242	95	227	89
3362	Pine Green-DK	794	312	741	292	695	273
3363	Pine Green-MD	207	81	193	76	181	71
3371	Black Brown	2415	950	2254	887	2113	831
3685	Mauve-DK	12	5	11	4	11	4
3721	Shell Pink-DK	6	2	6	2	6	2
3726	Antique Mauve-DK	9	3	8	3	8	3
3733	Dusty Rose	2	1	2	1	2	1
3740	Antique Violet-DK	57	23	53	21	50	20
3746	Blue Violet-DK	100	39	93	37	87	34
3747	Blue Violet-VY LT	34	13	32	12	30	11
3753	Antique Blue-UL VY LT	41	16	38	15	36	14

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3756	Baby Blue-UL VY LT	46	18	43	17	41	16
3768	Gray Green-DK	58	23	54	21	51	20
3772	Desert Sand-VY DK	253	99	236	92	221	87
3781	Mocha Brown-DK	240	94	224	88	210	82
3787	Brown Gray-DK	265	104	247	97	232	91
3799	Pewter Gray-VY DK	638	251	595	234	558	219
3802	Antique Mauve-VY DK	26	10	25	10	23	9
3820	Straw-DK	118	46	110	43	104	41
3822	Straw-LT	60	24	56	22	53	21
3823	Yellow-UL Pale	8	3	8	3	7	3
3829	Old Gold-VY DK	10	4	10	4	9	3
3834	Grape-DK	199	78	185	73	174	68
3835	Grape-MD	57	22	53	20	50	19
3836	Grape-LT	24	9	23	8	21	8
3837	Lavender-UL DK	35	14	32	13	30	12
3841	Baby Blue-Pale	26	10	24	9	23	8
3849	Teal Green-LT	19	7	17	7	16	6
3852	Straw-VY DK	78	30	73	28	68	26
3855	Autumn Gold-LT	9	3	8	3	8	3
3856	Mahogany-UL VY LT	9	3	8	3	8	3
3857	Rosewood-DK	90	35	84	33	79	31
3859	Rosewood-LT	2	1	2	1	2	1
3860	Cocoa	52	20	49	19	46	17
3861	Cocoa-LT	232	91	217	85	203	80
3862	Mocha Beige-DK	213	84	199	78	187	73
3863	Mocha Beige-MD	42	16	39	15	37	14
3864	Mocha Beige-LT	179	70	167	65	157	61
3865	Winter White	154	60	144	56	135	53
3866	Mocha Brown-UL VY LT	59	23	55	21	51	20

(10)

(11)

(12)

$$(12) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (13)$$

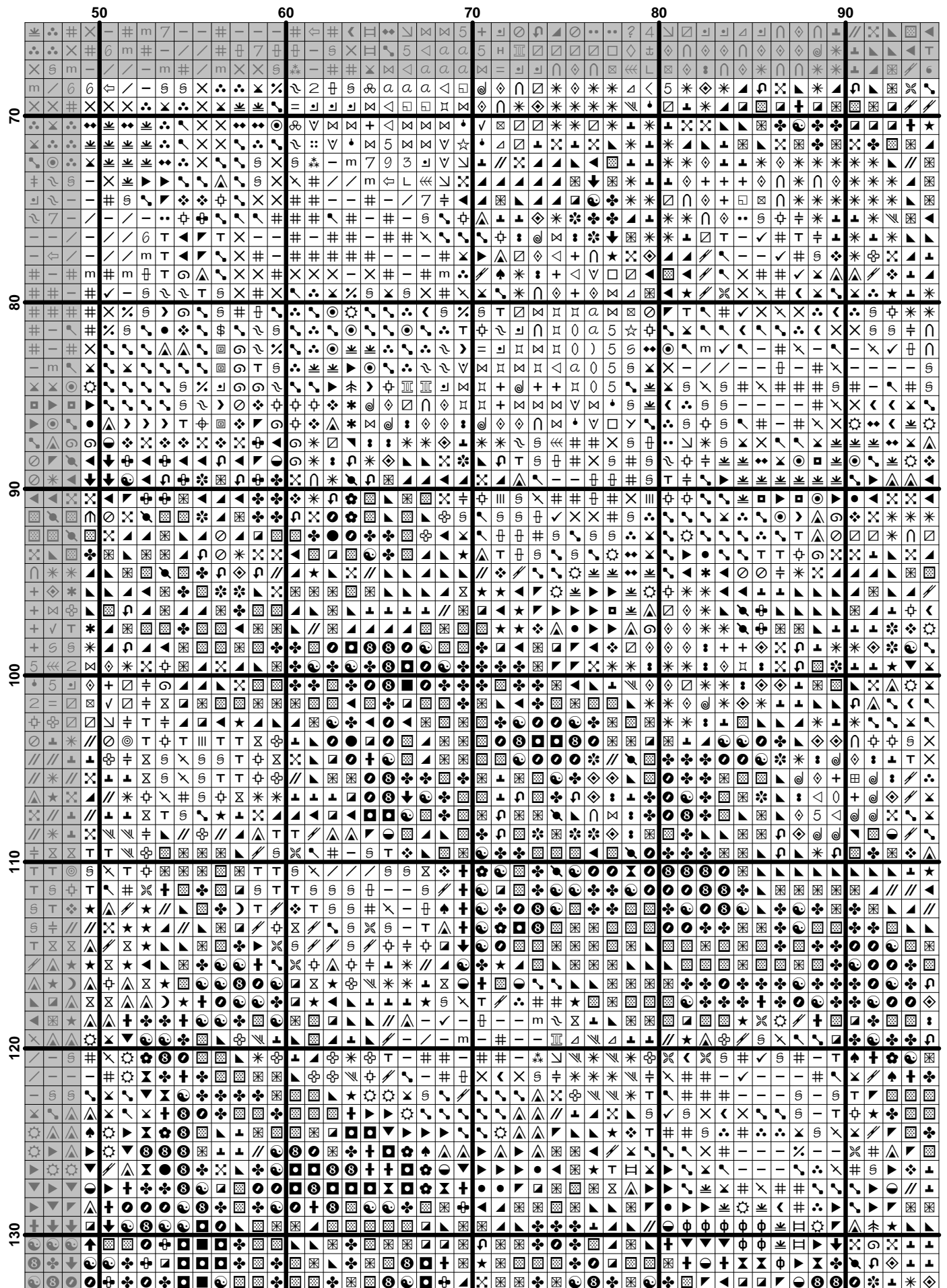
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30					
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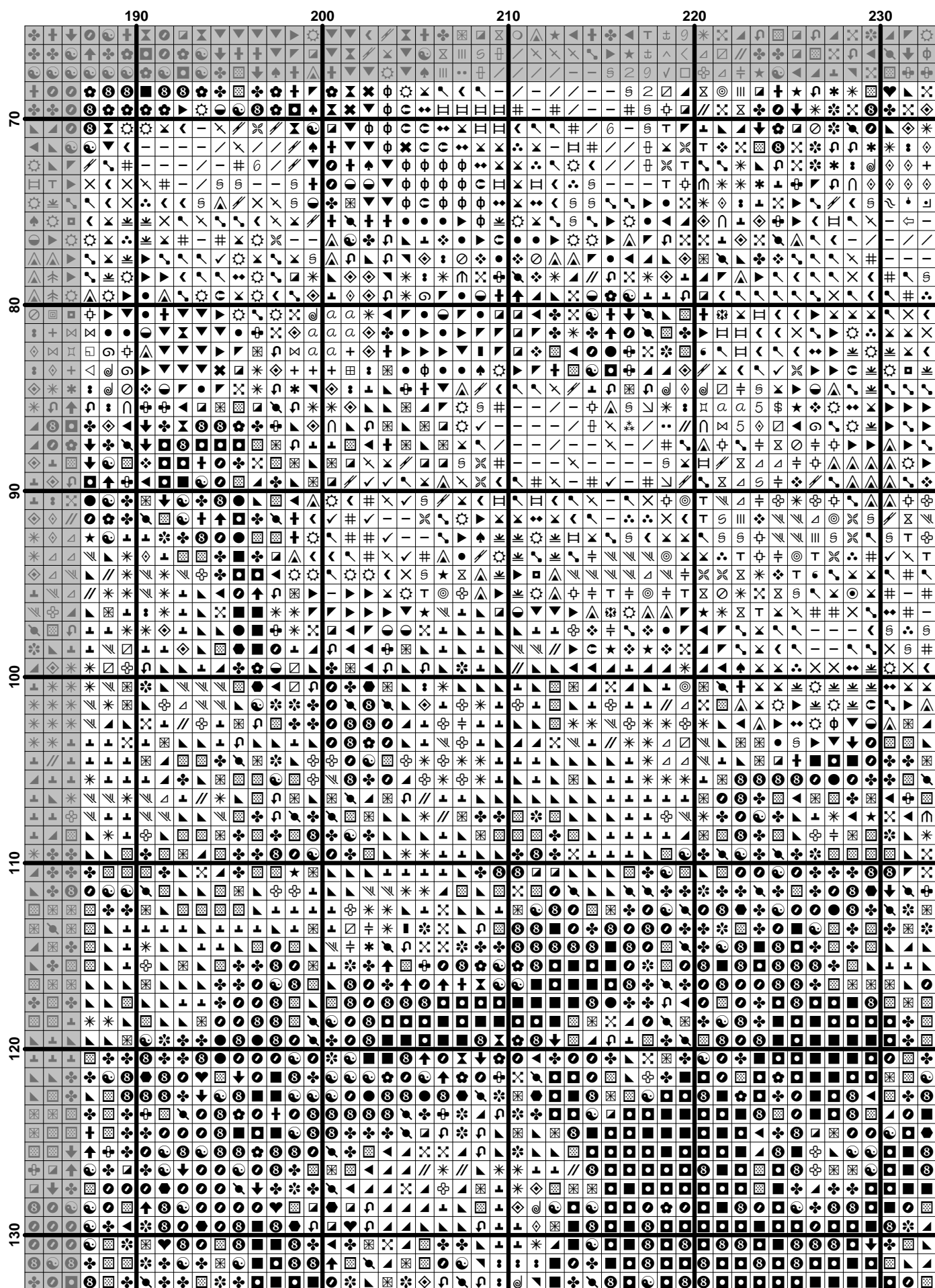
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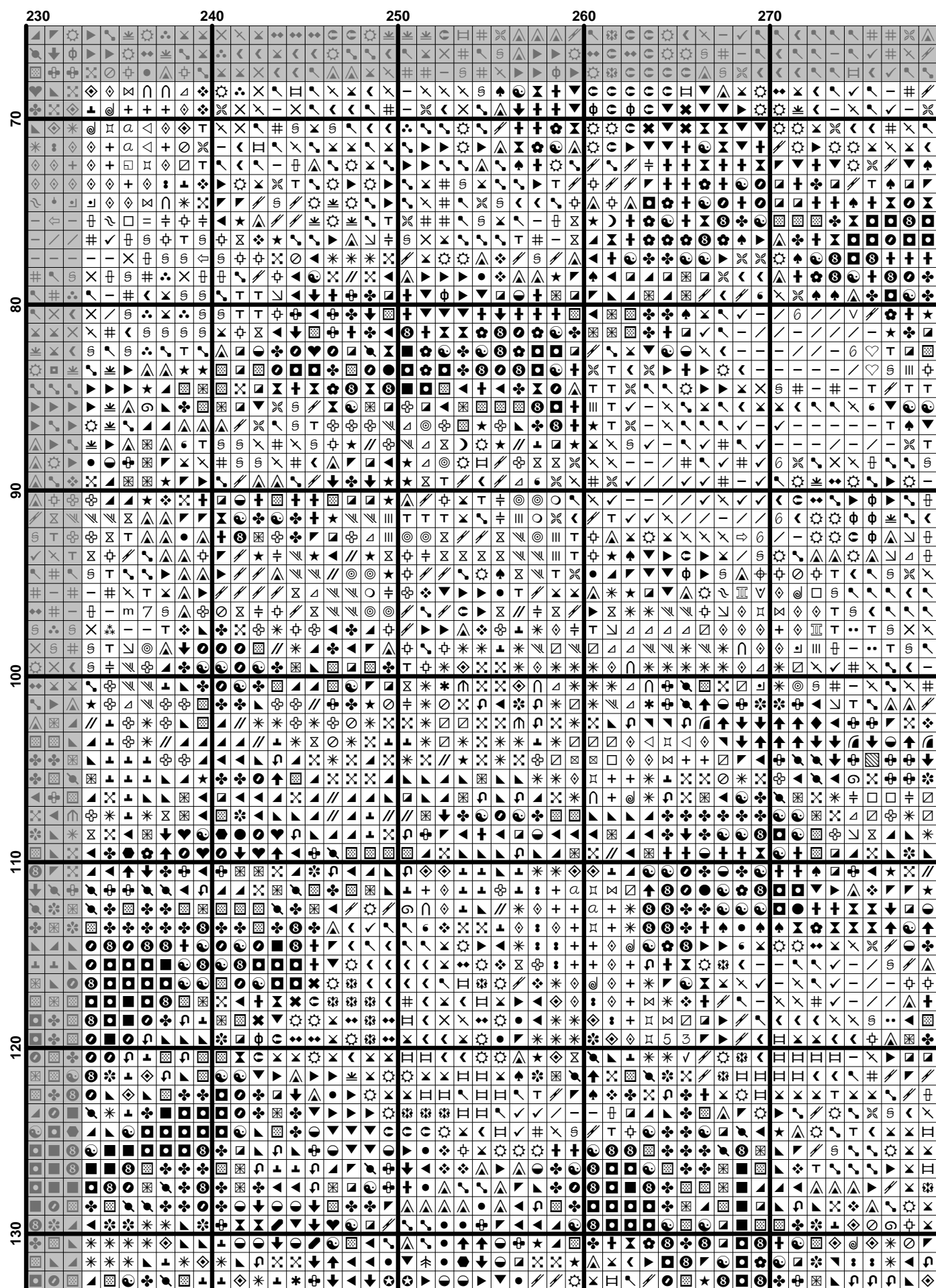
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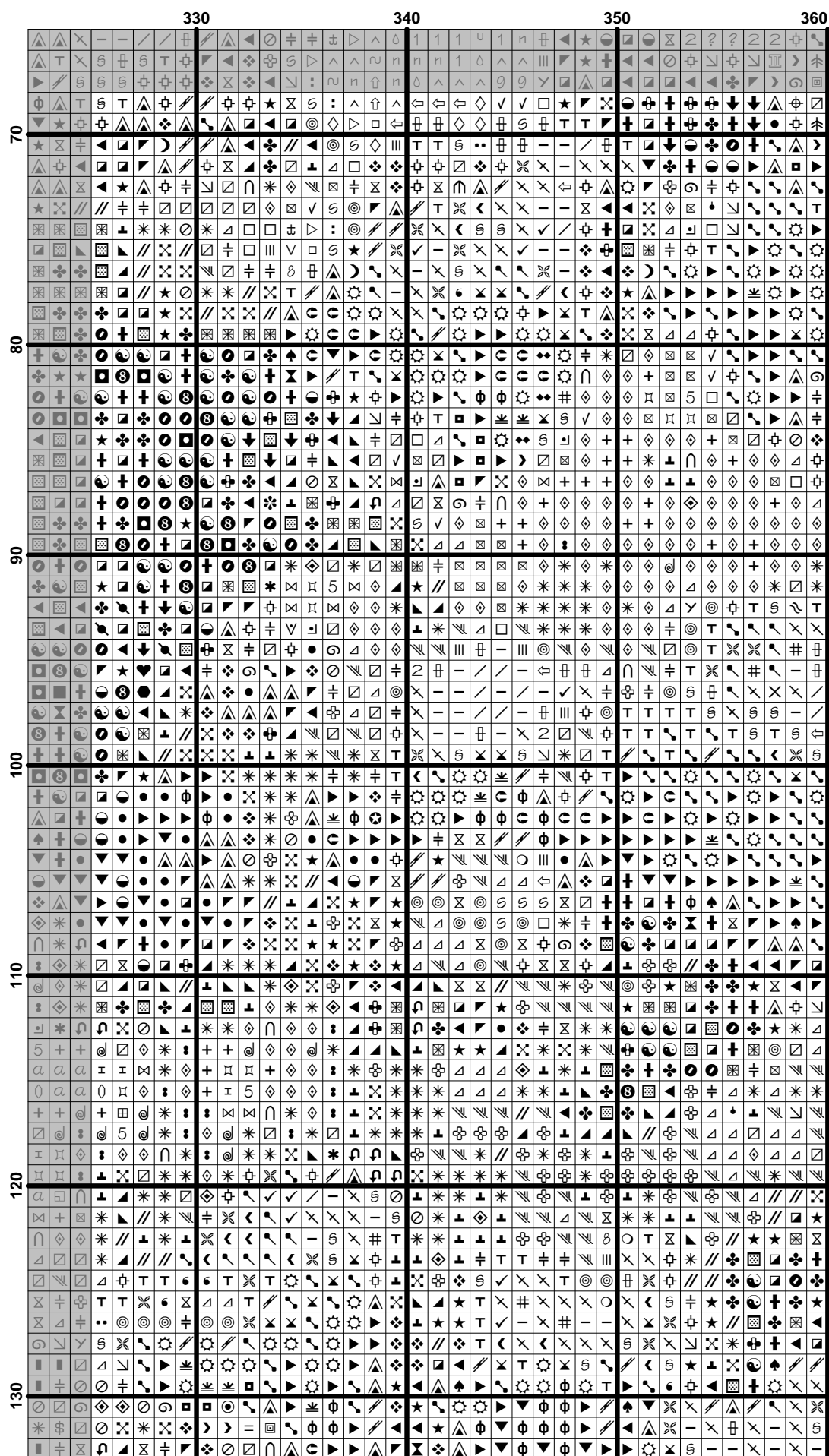
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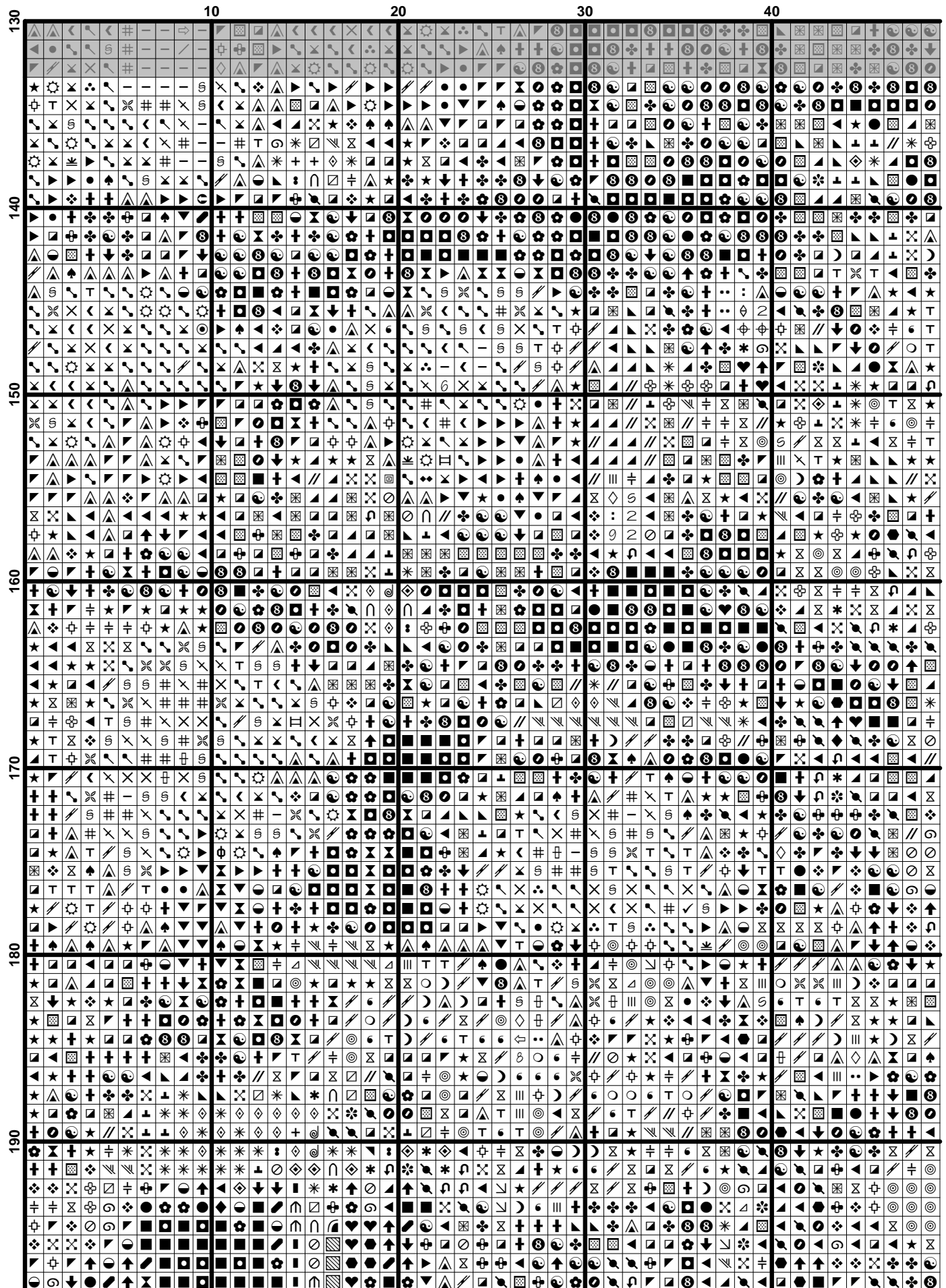
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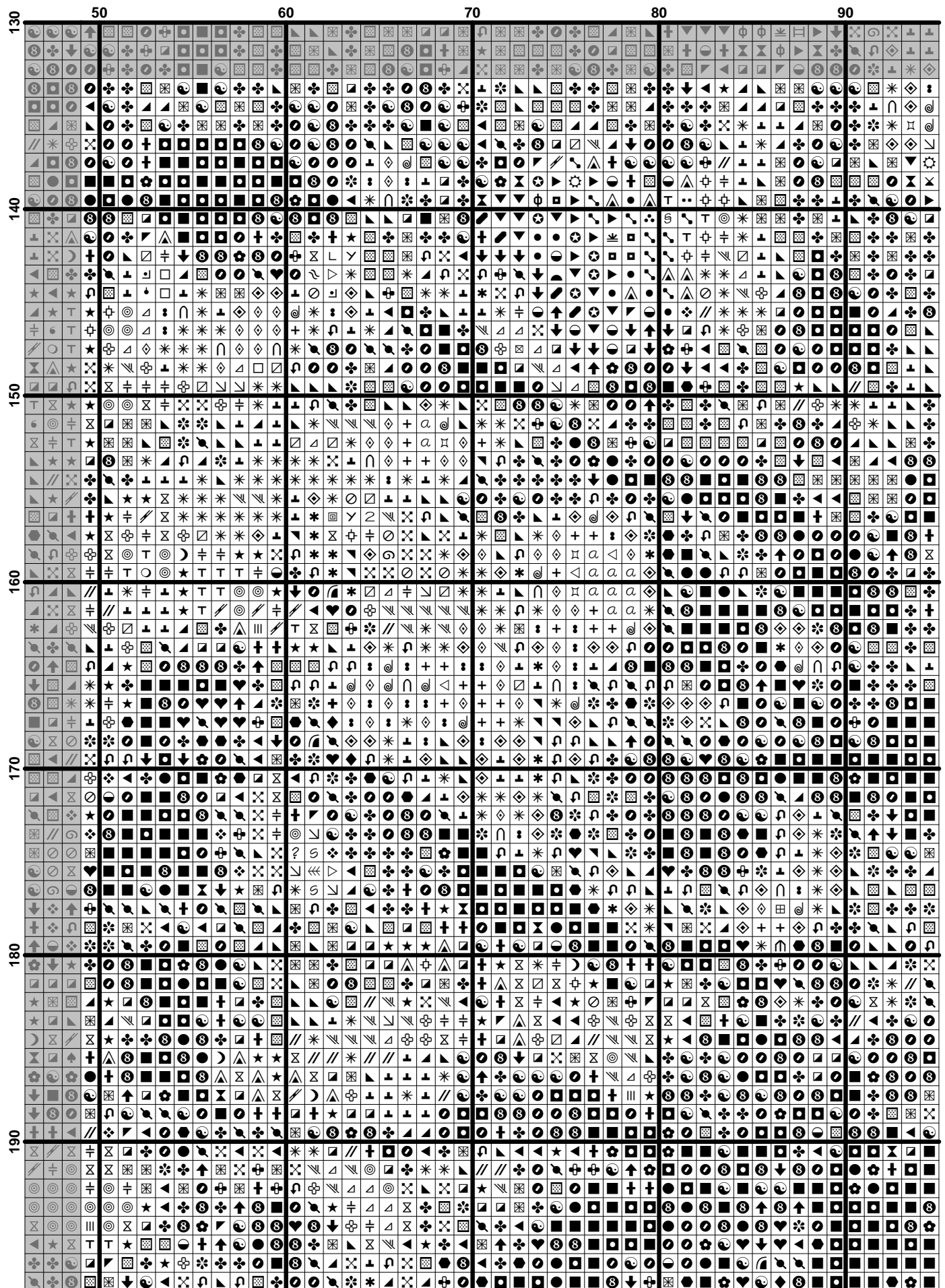


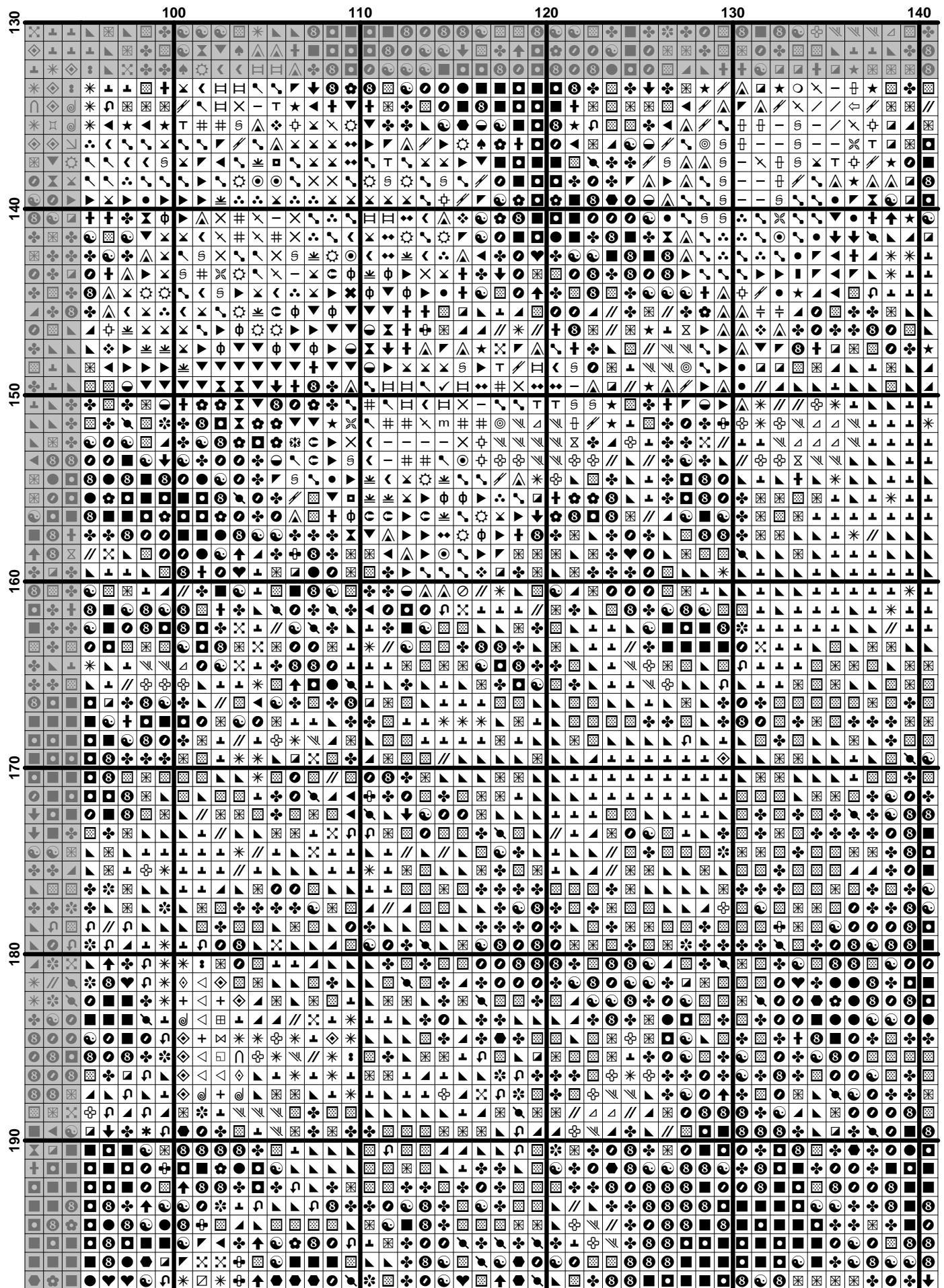


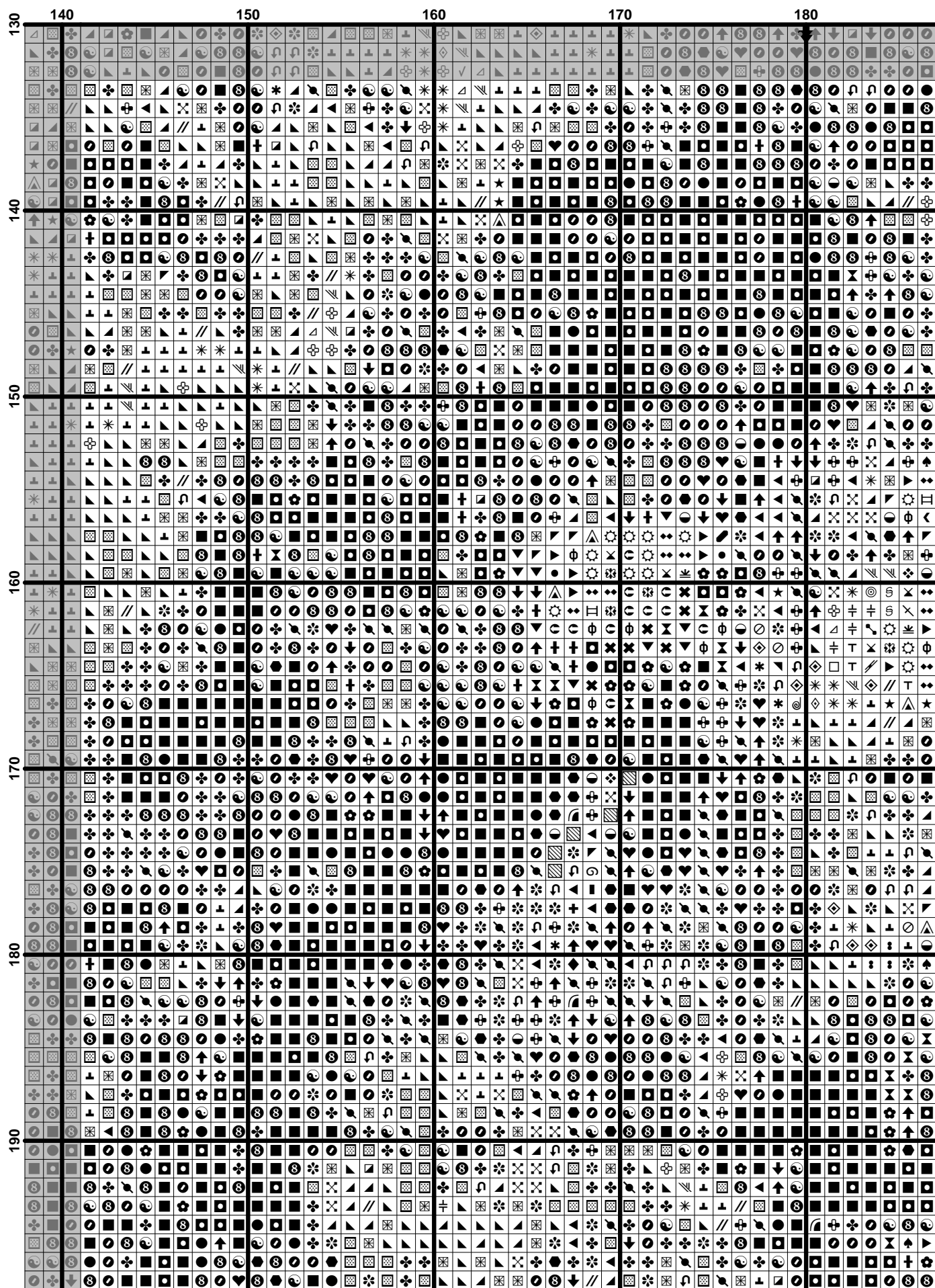
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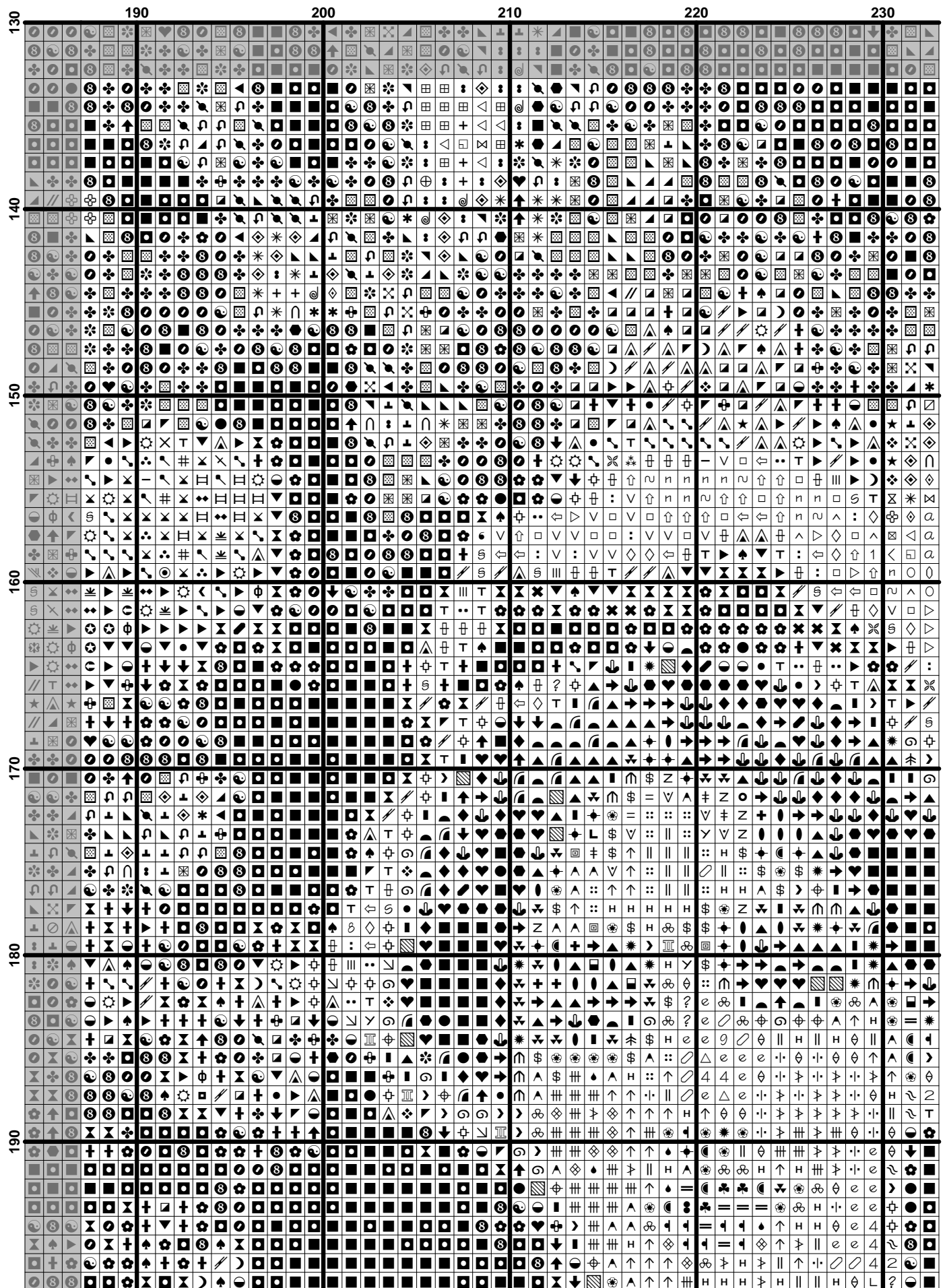


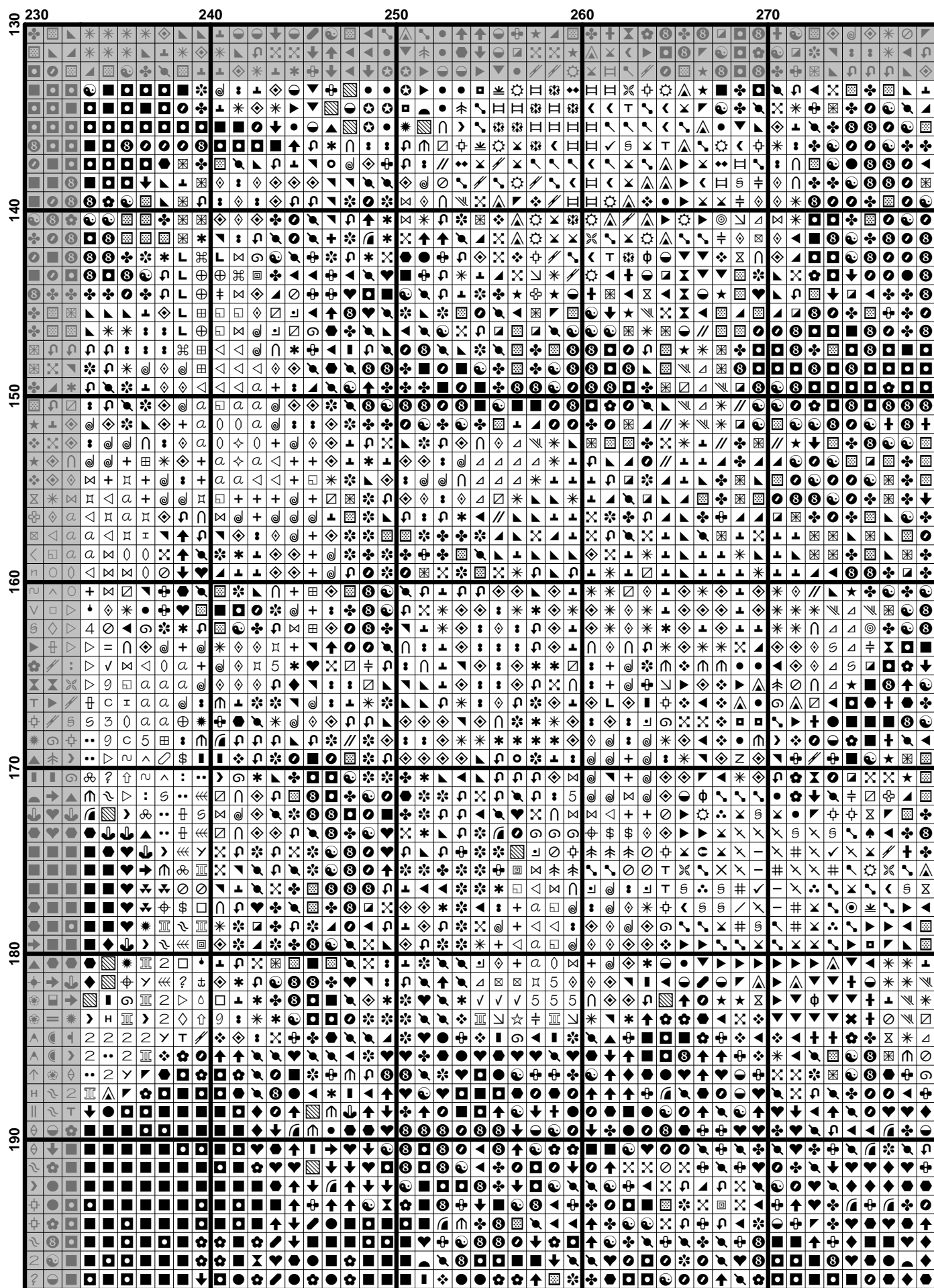


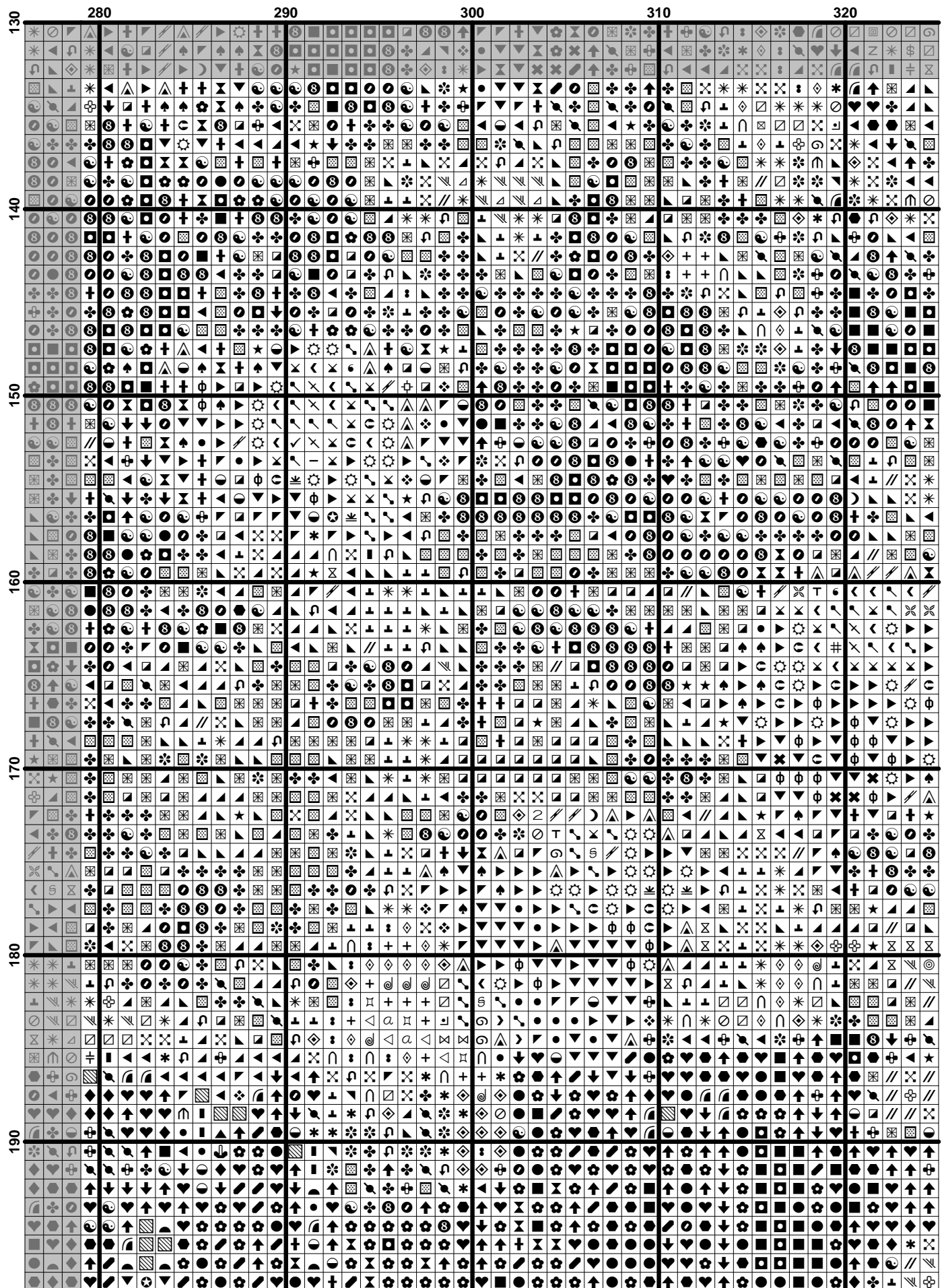


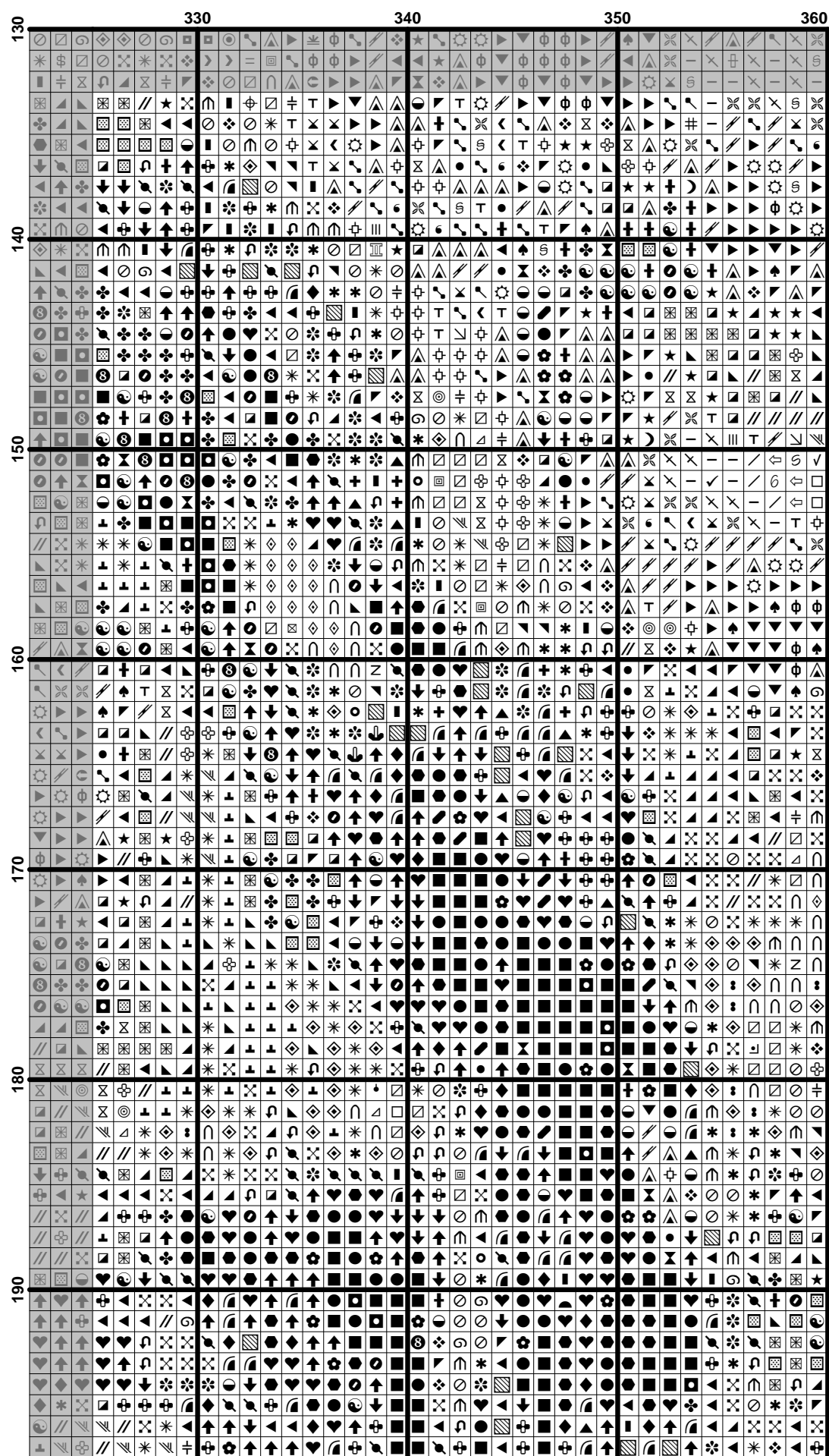


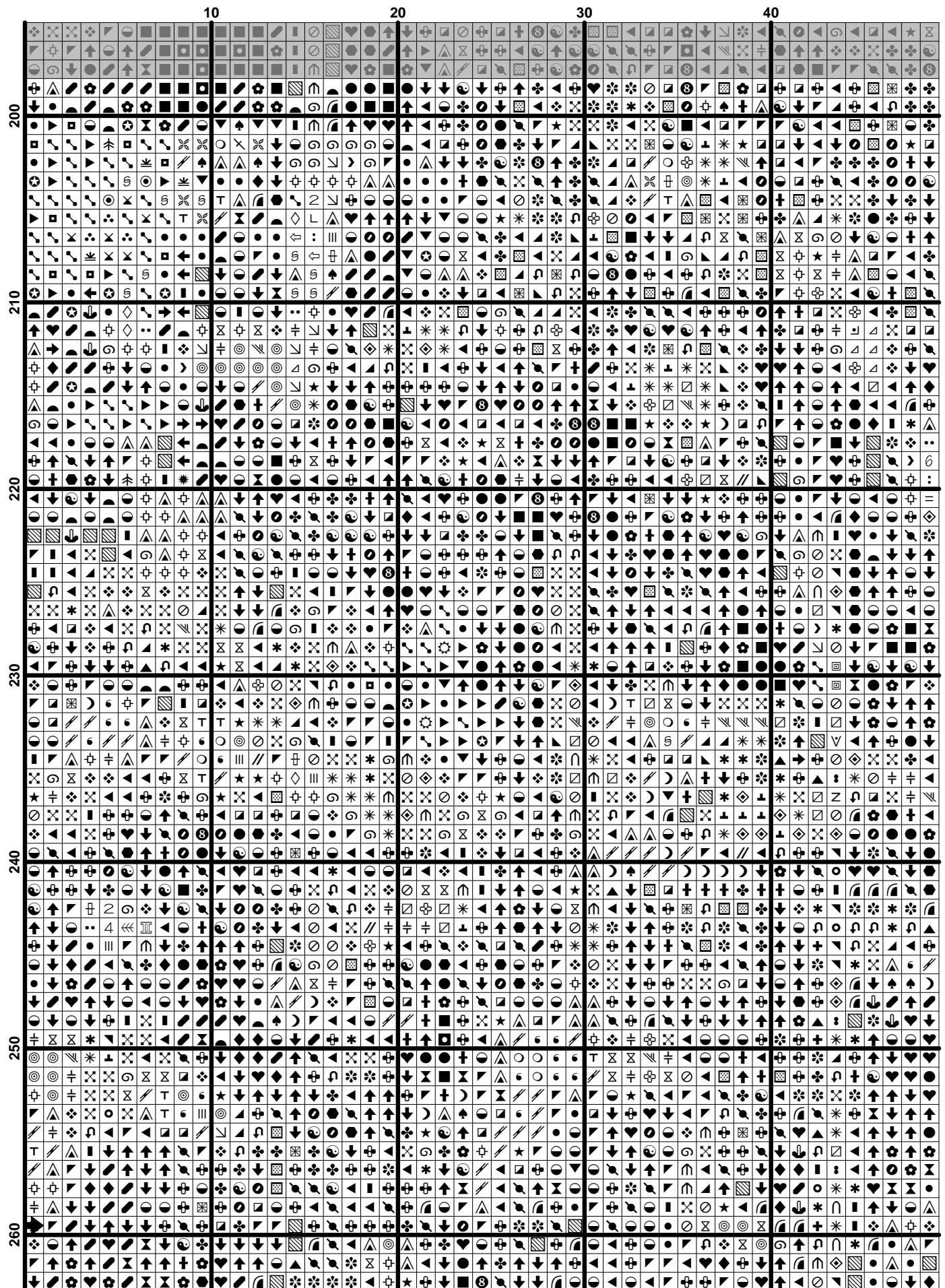


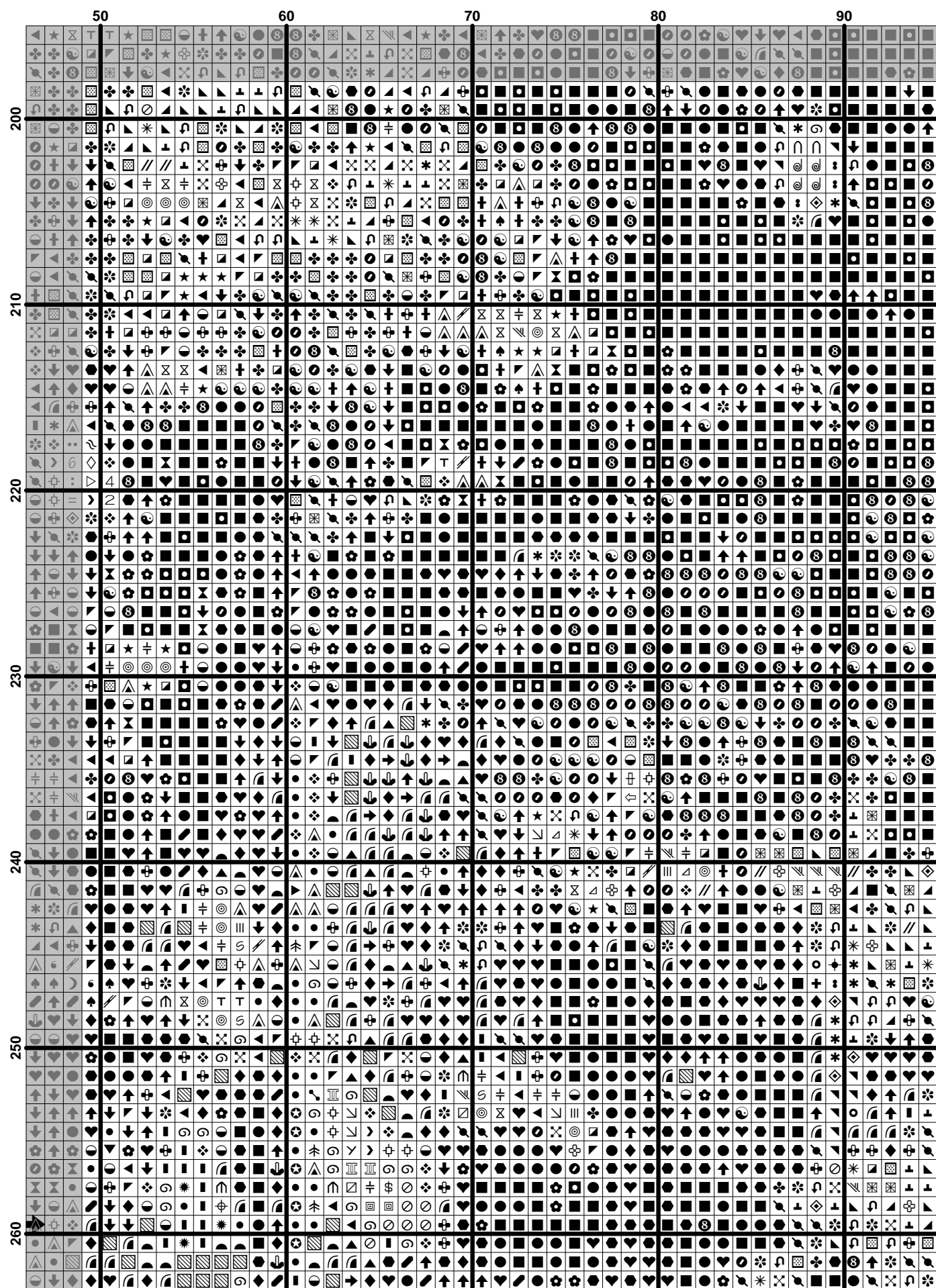


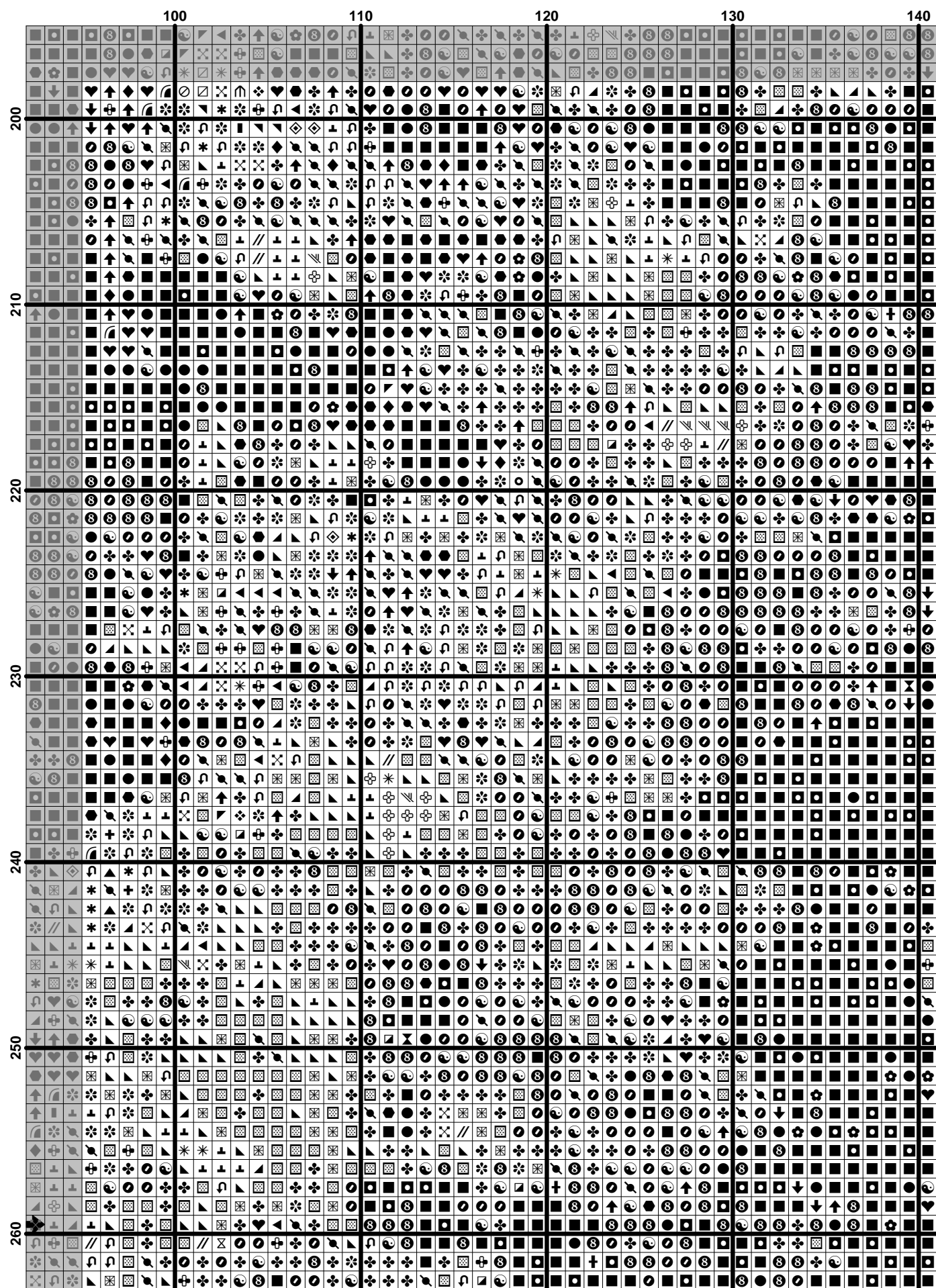


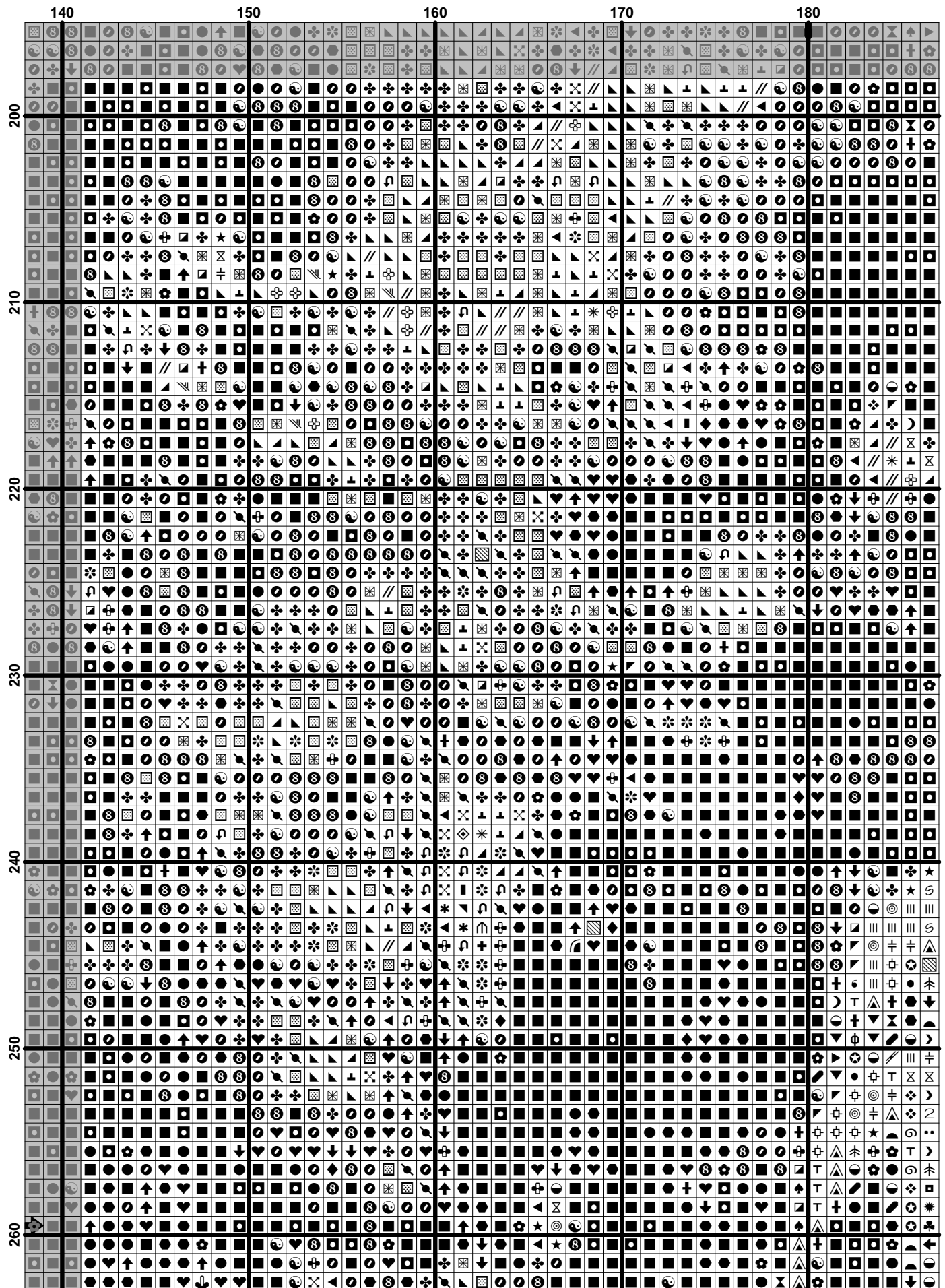




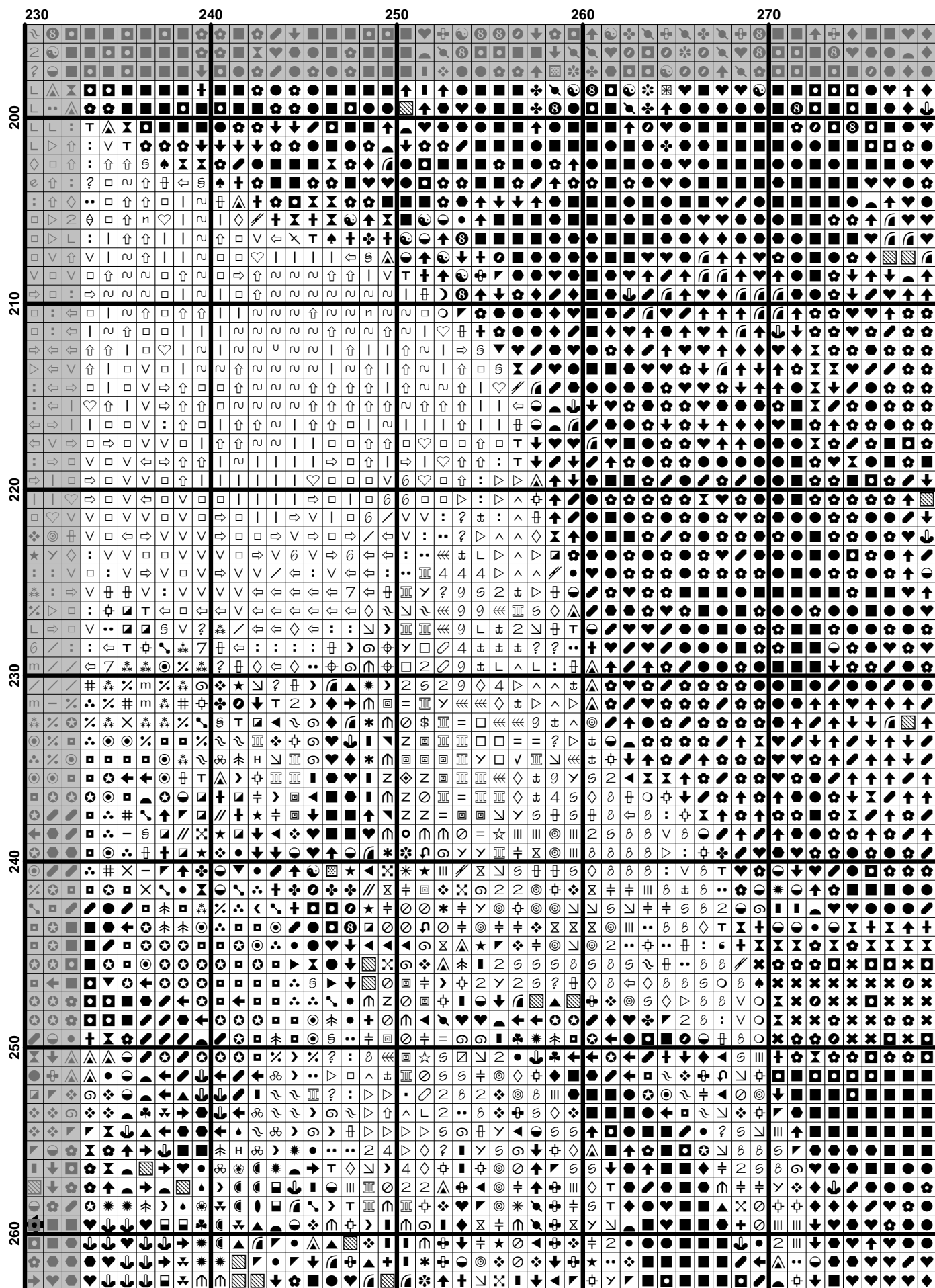


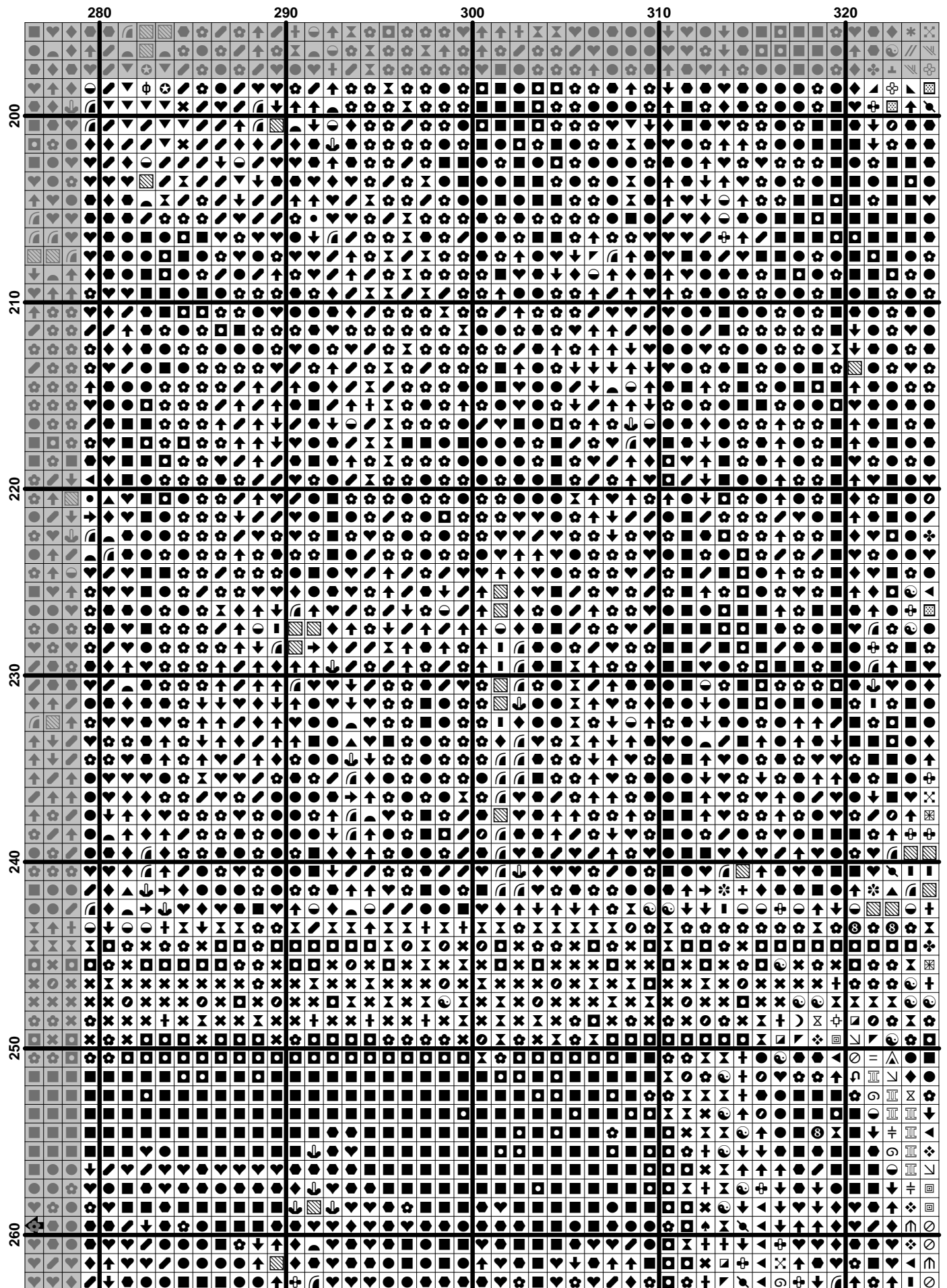


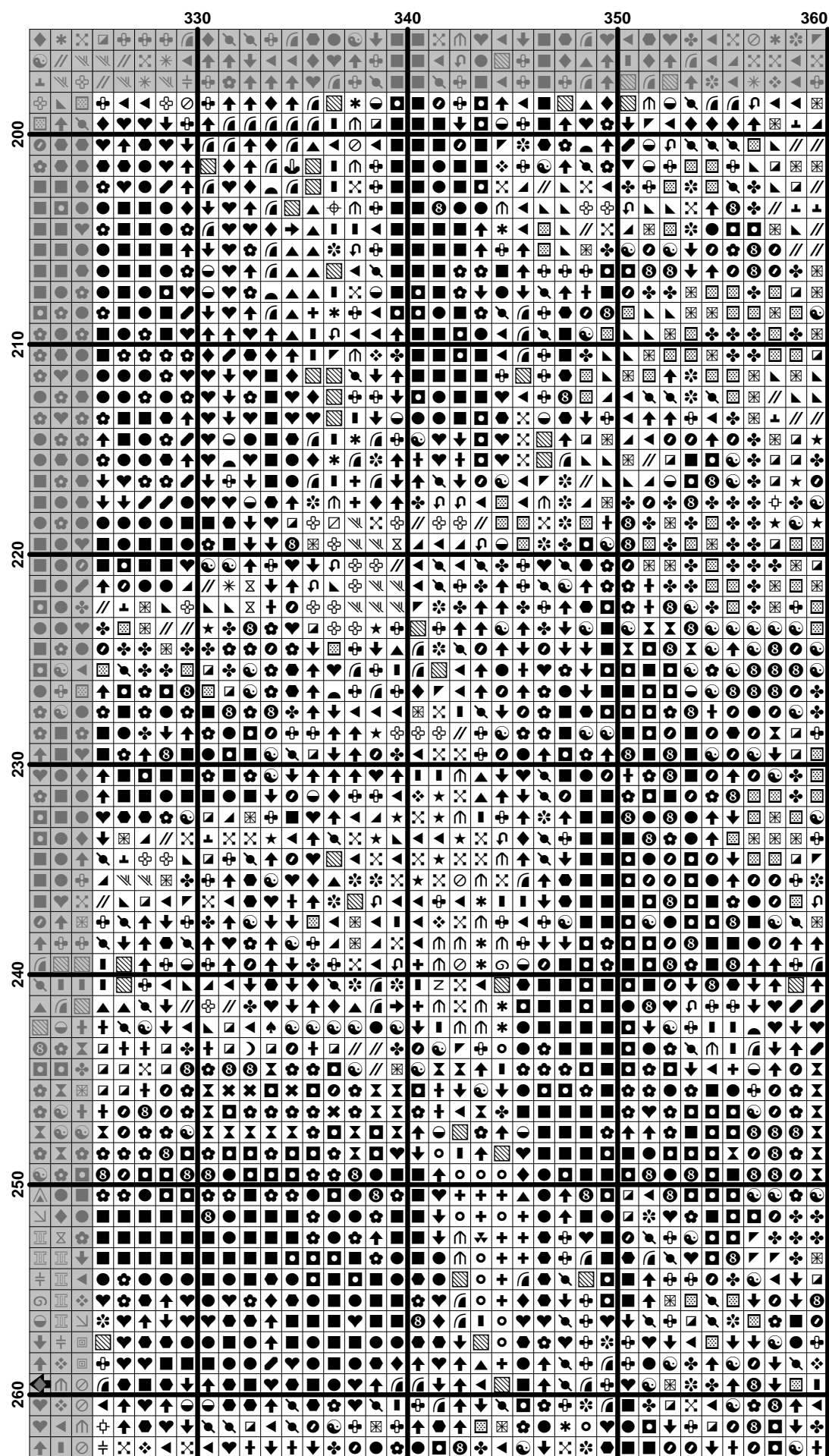


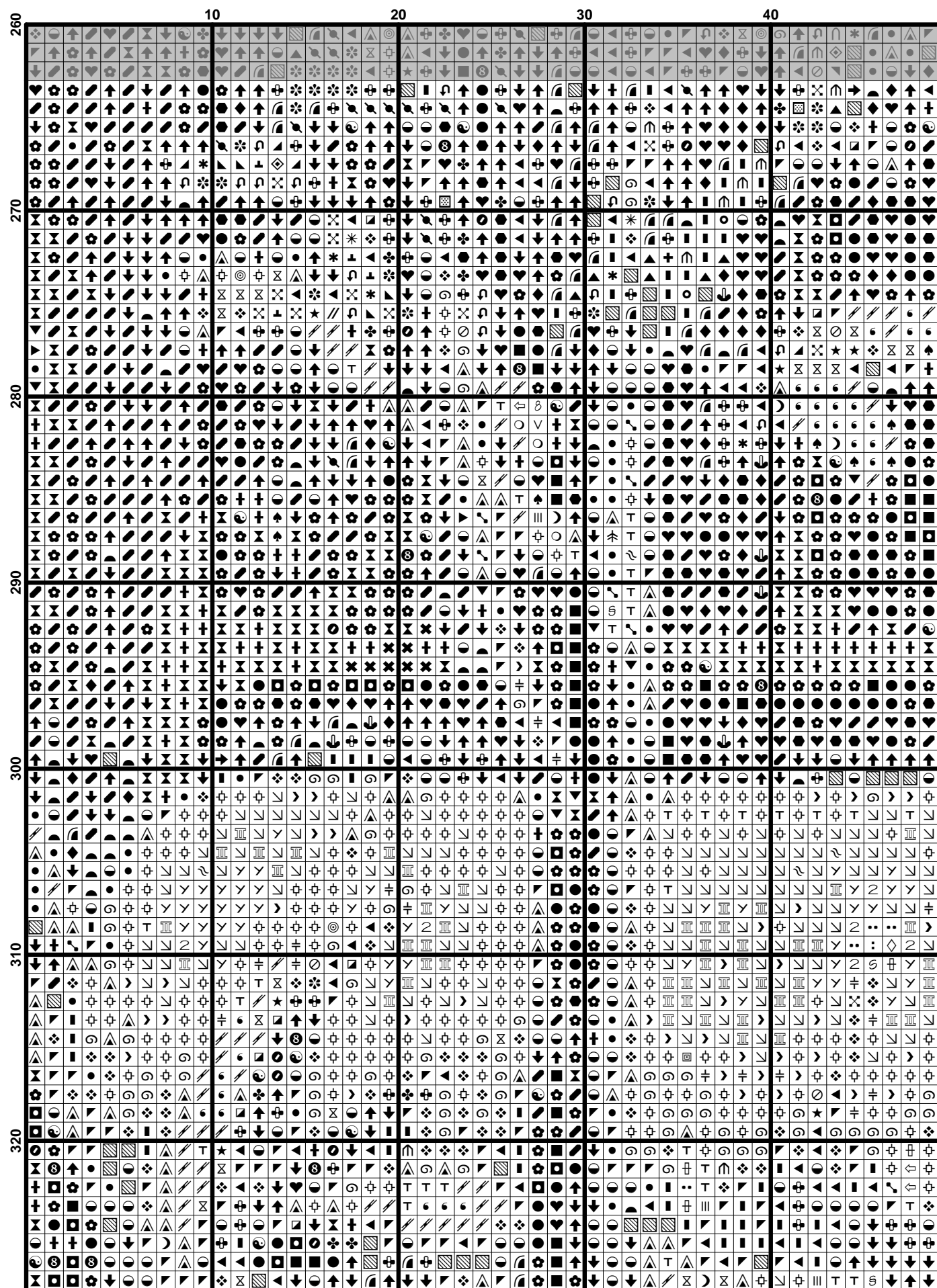


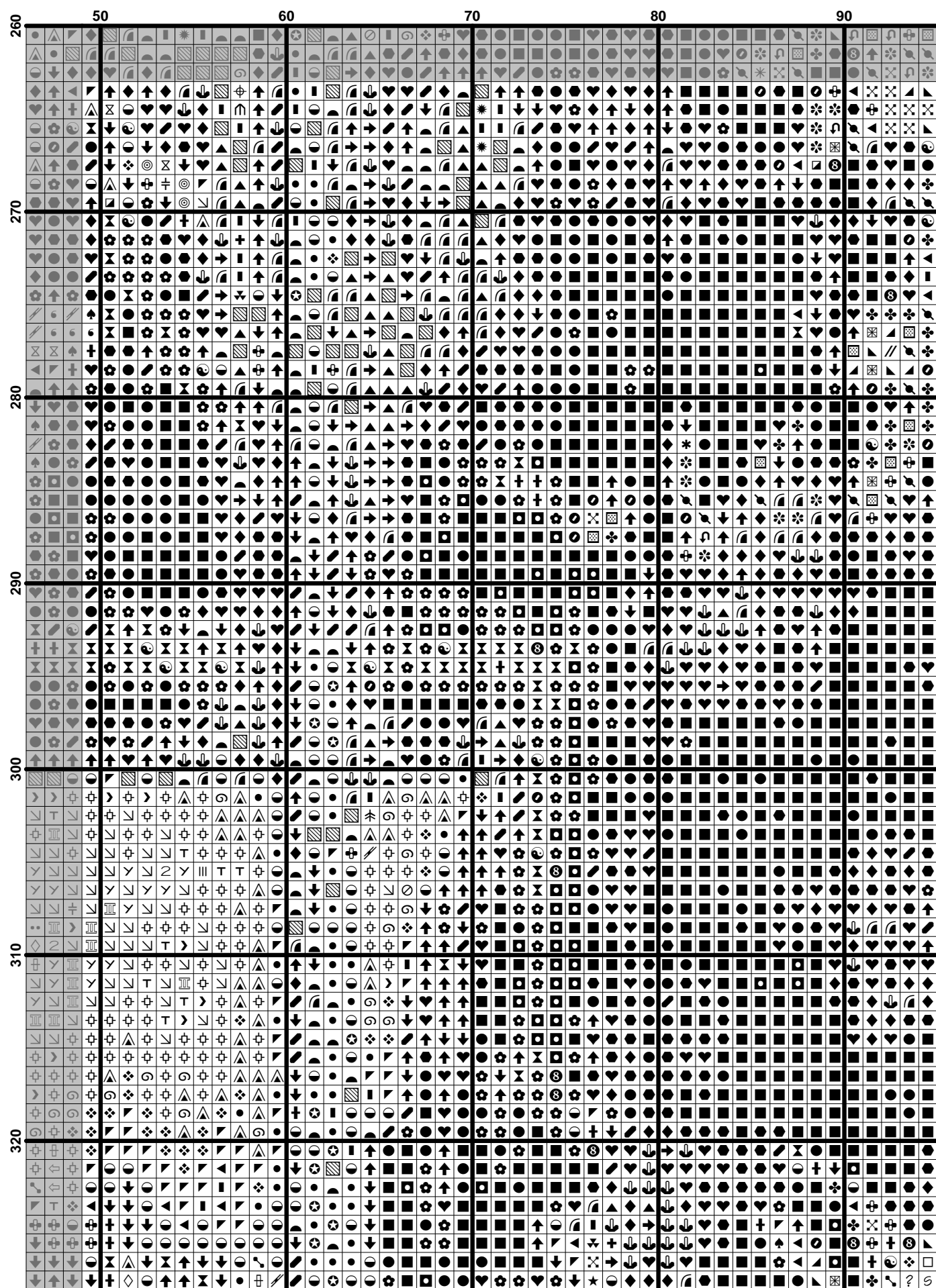
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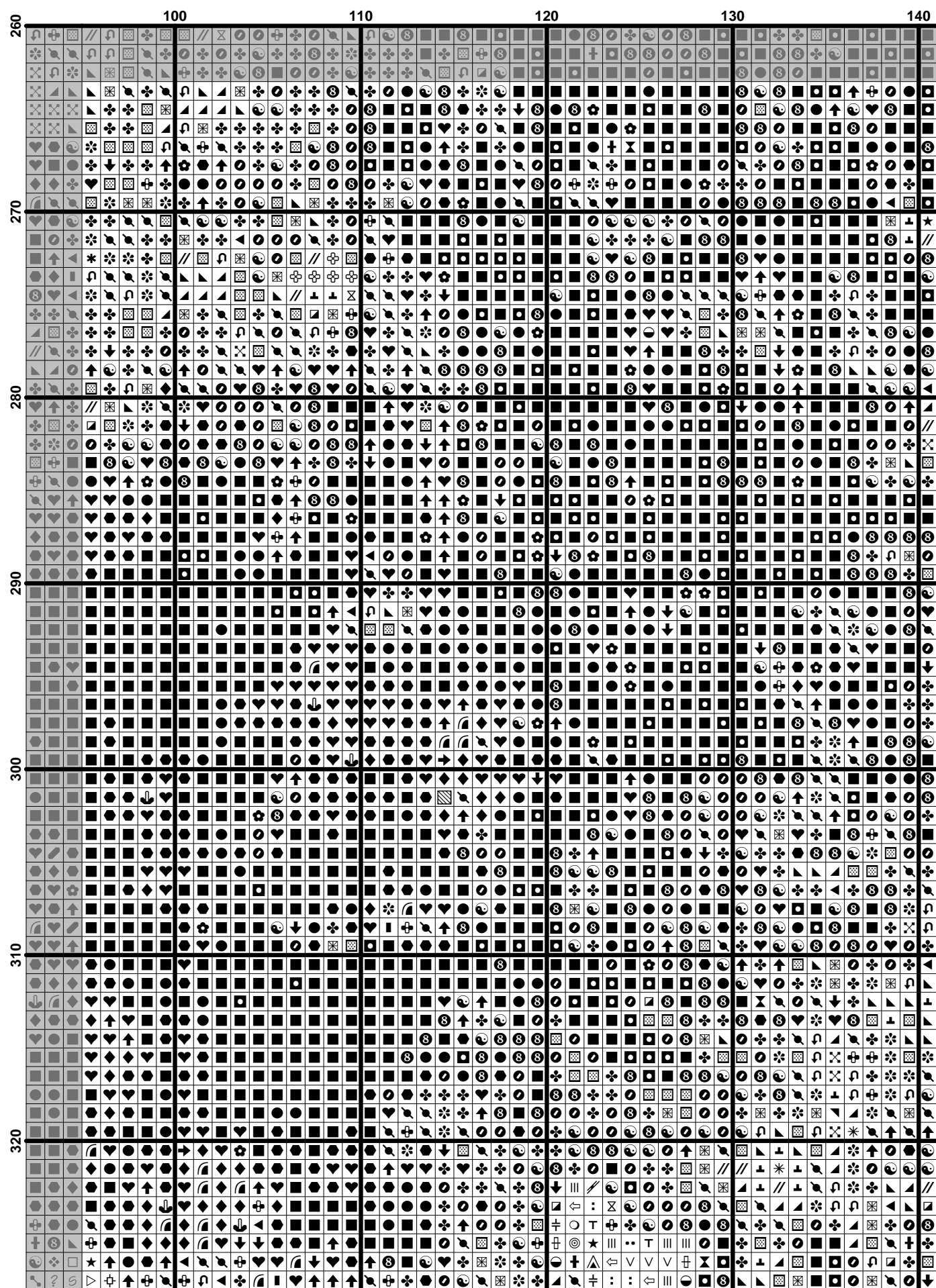


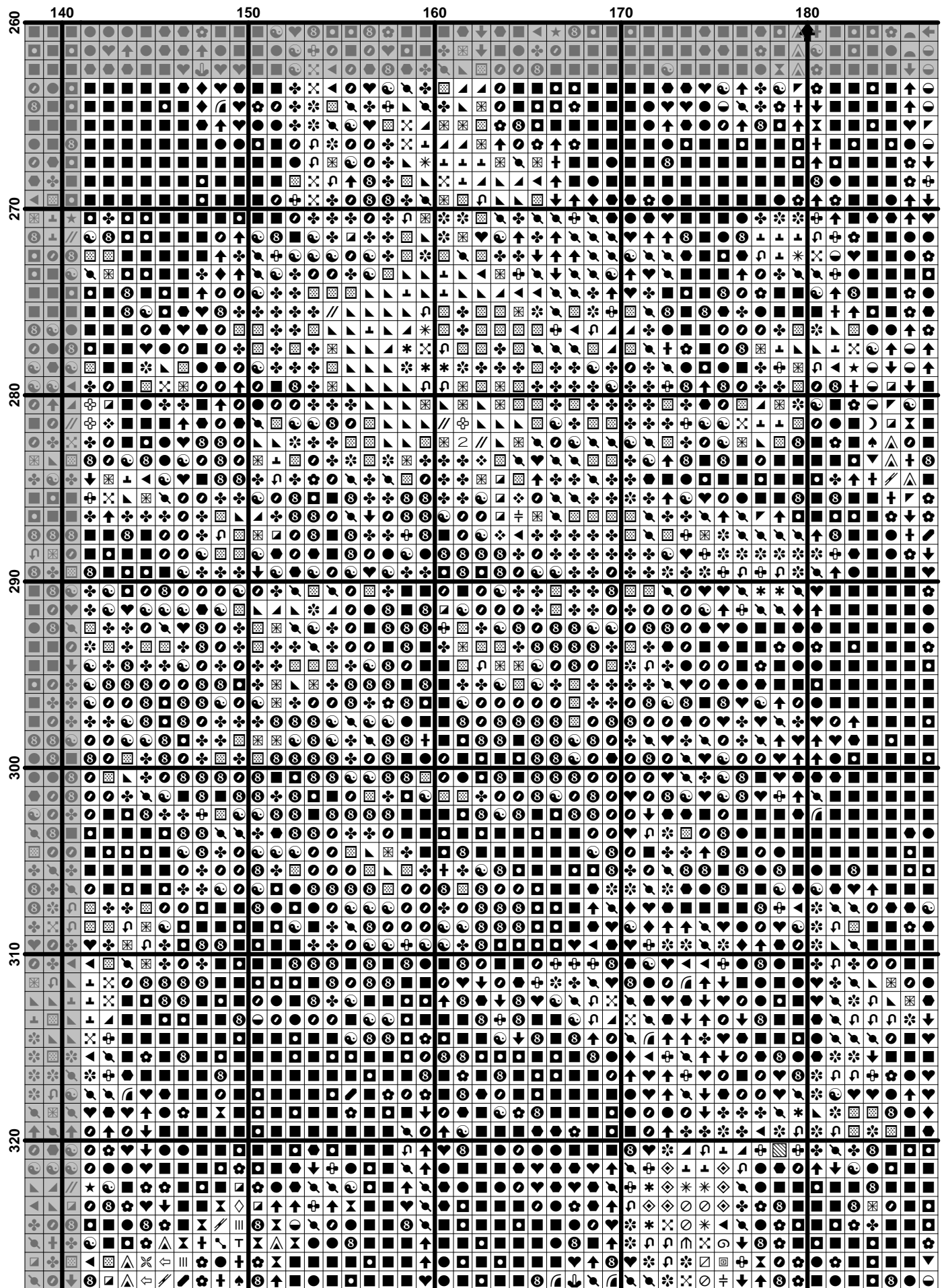


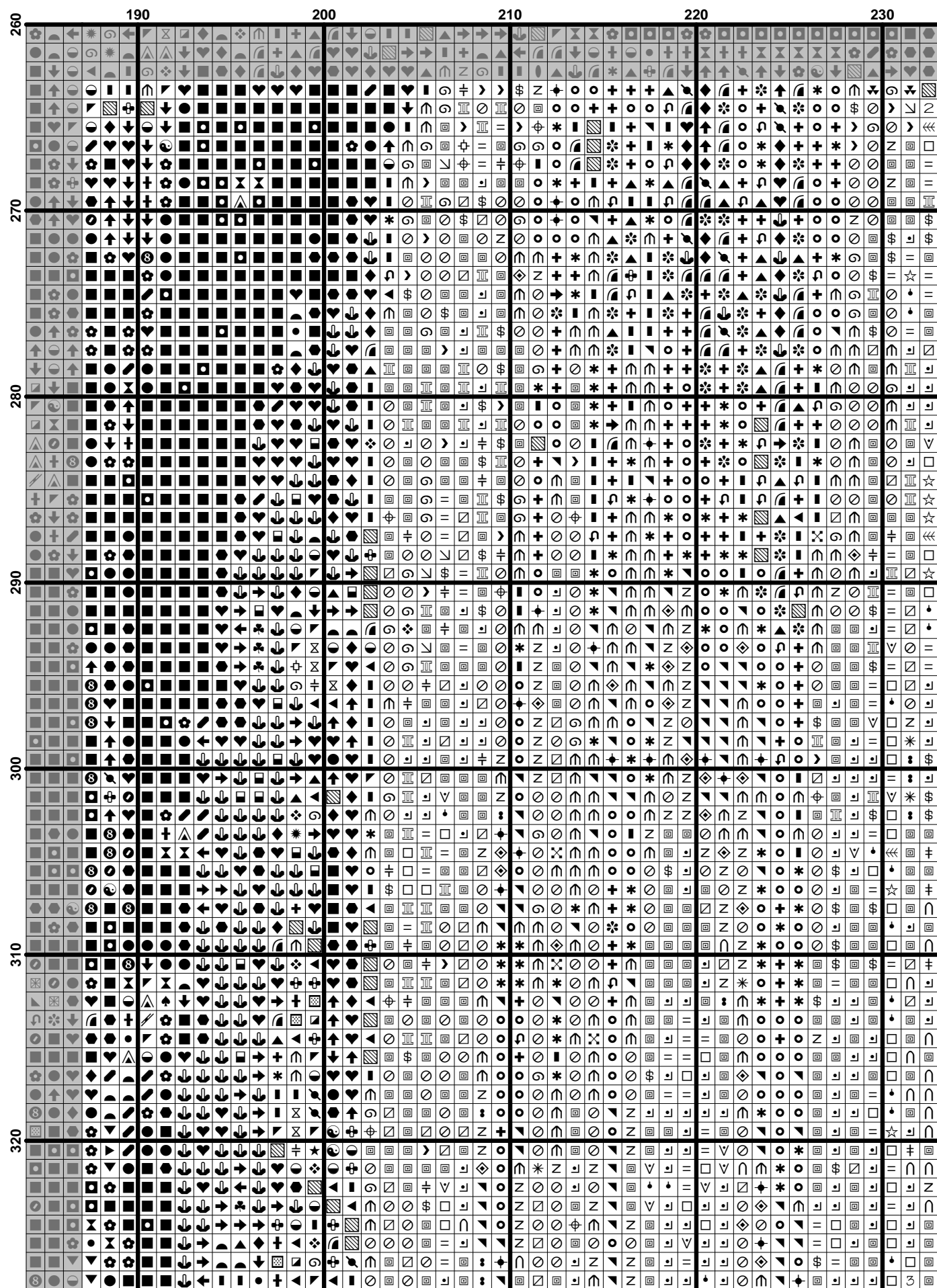


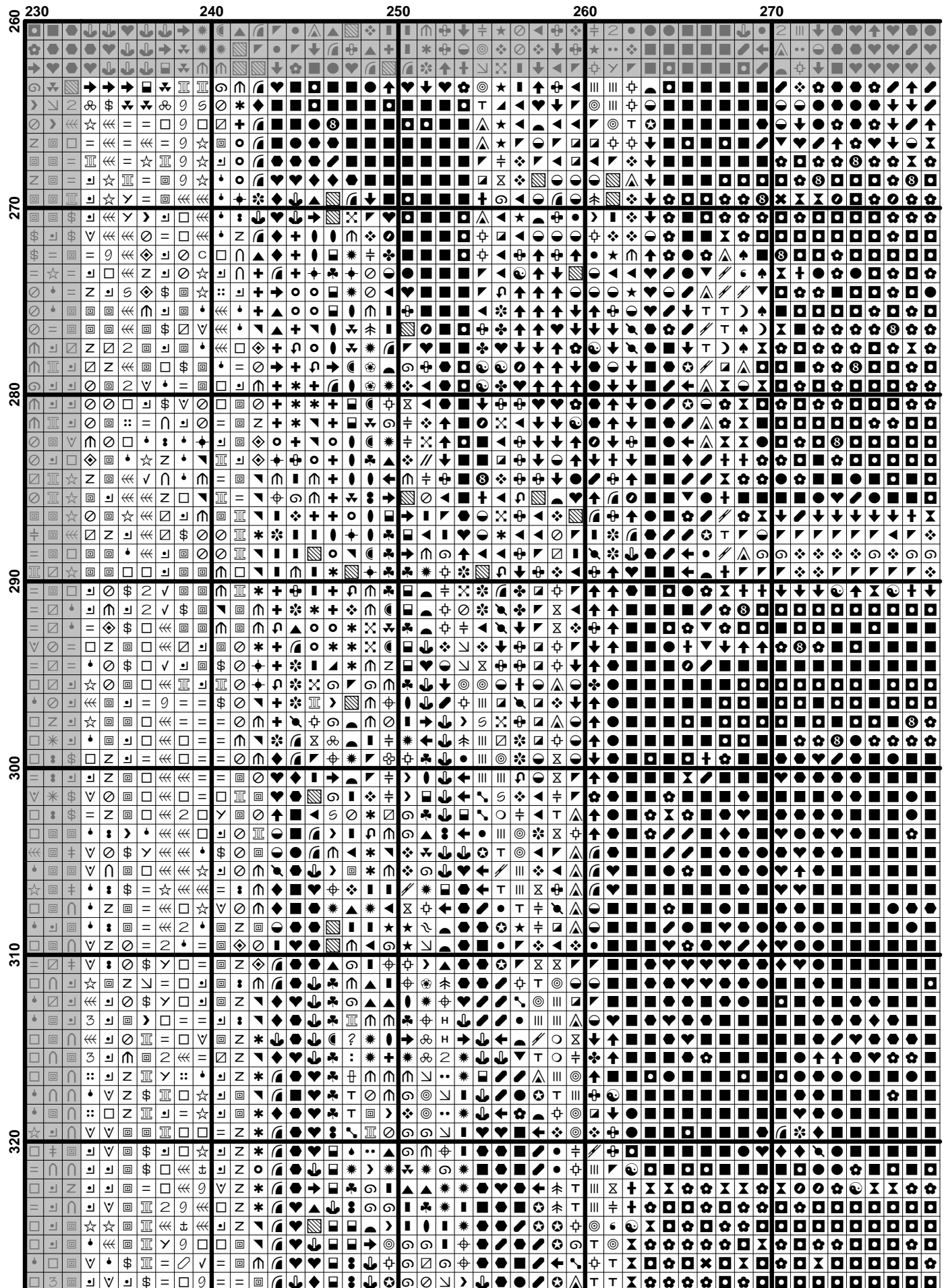


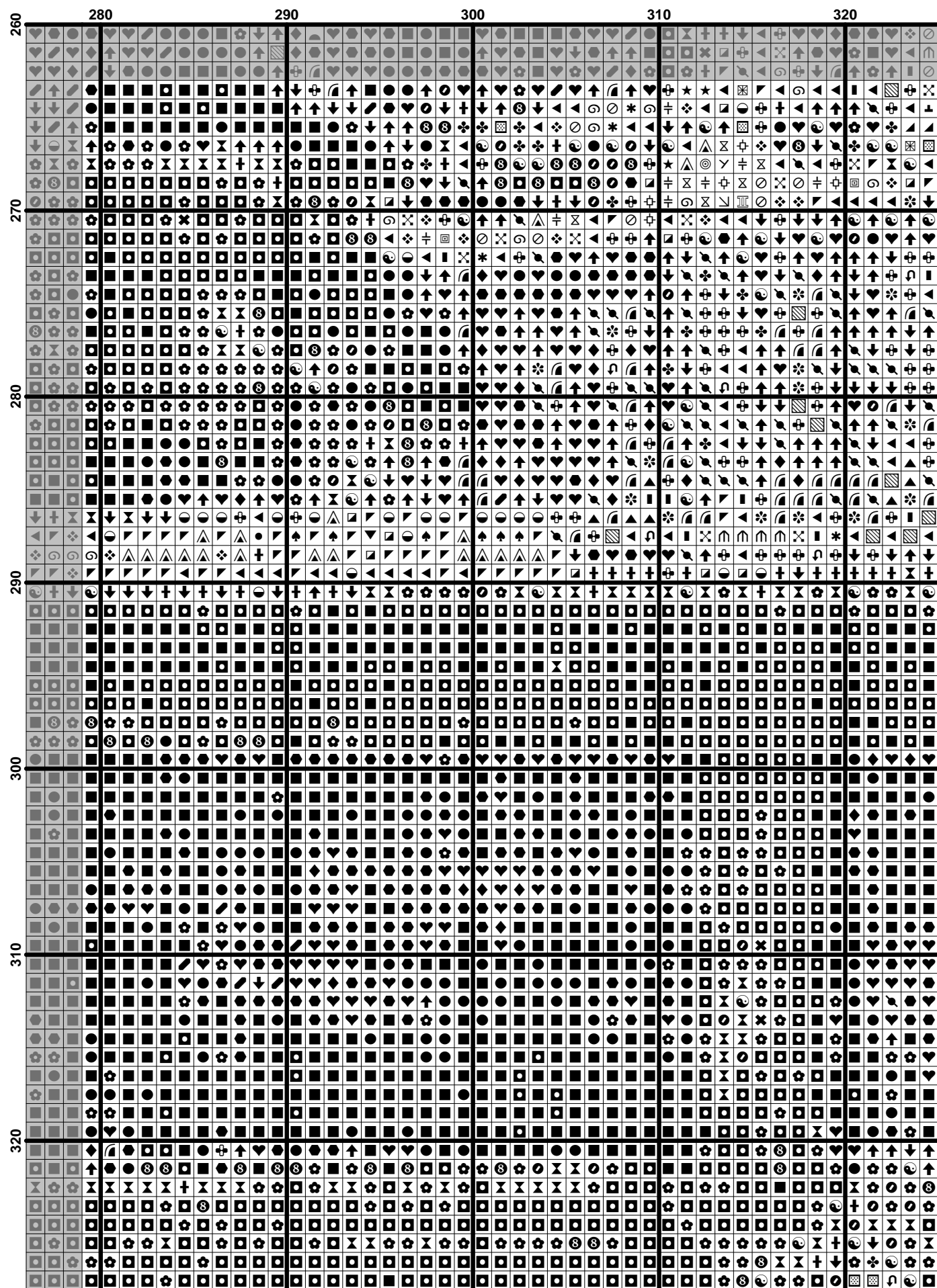


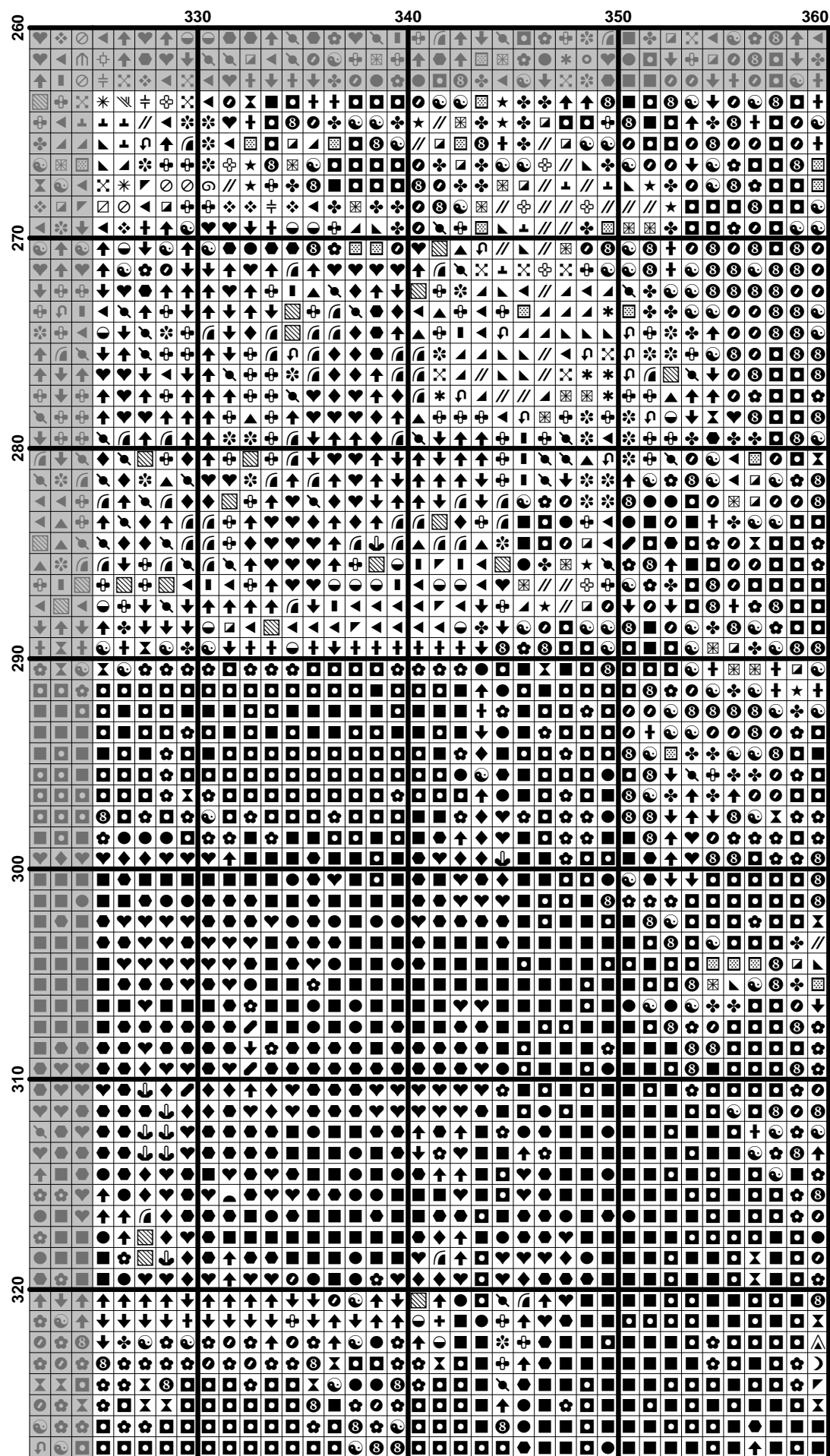


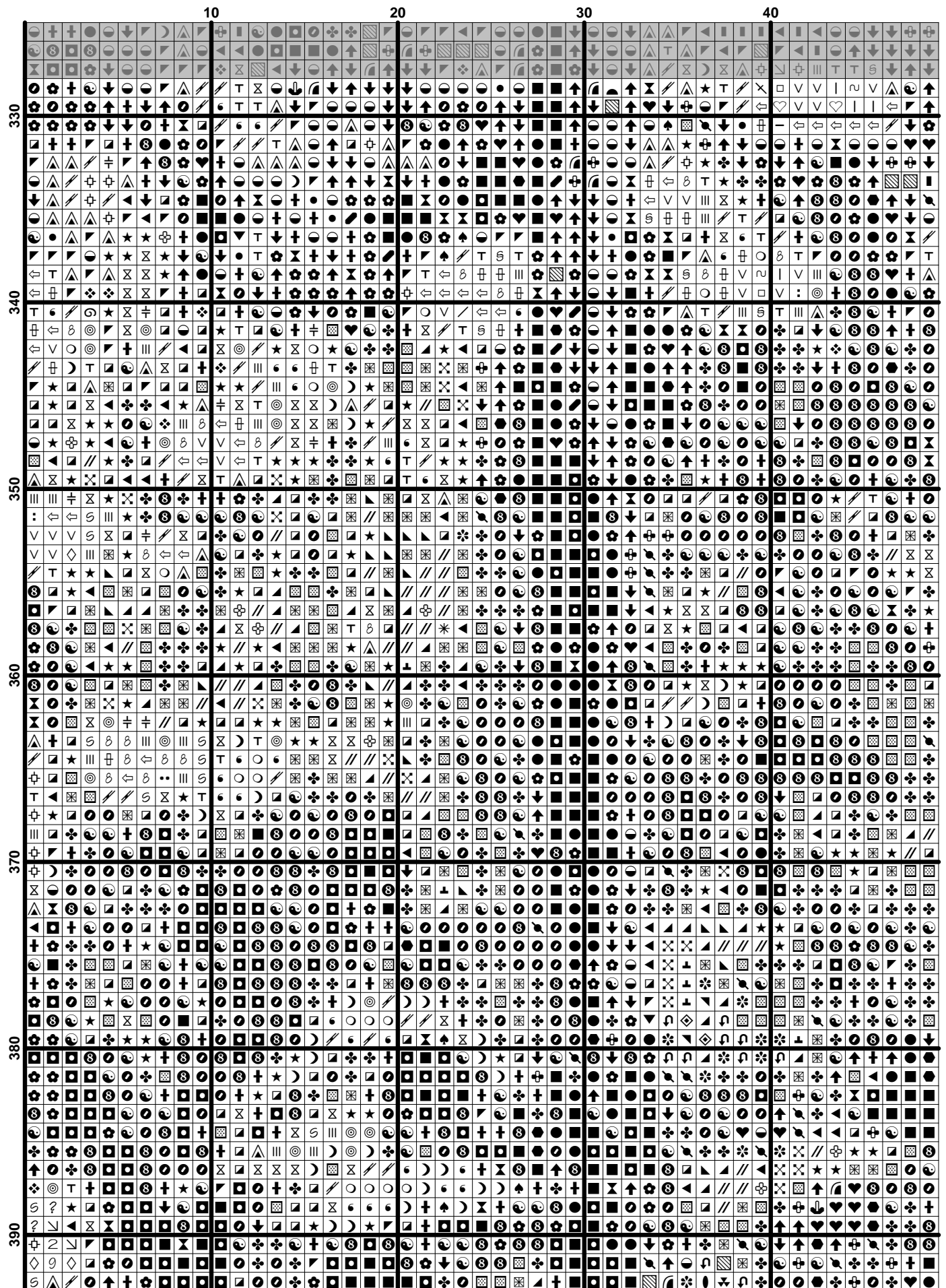


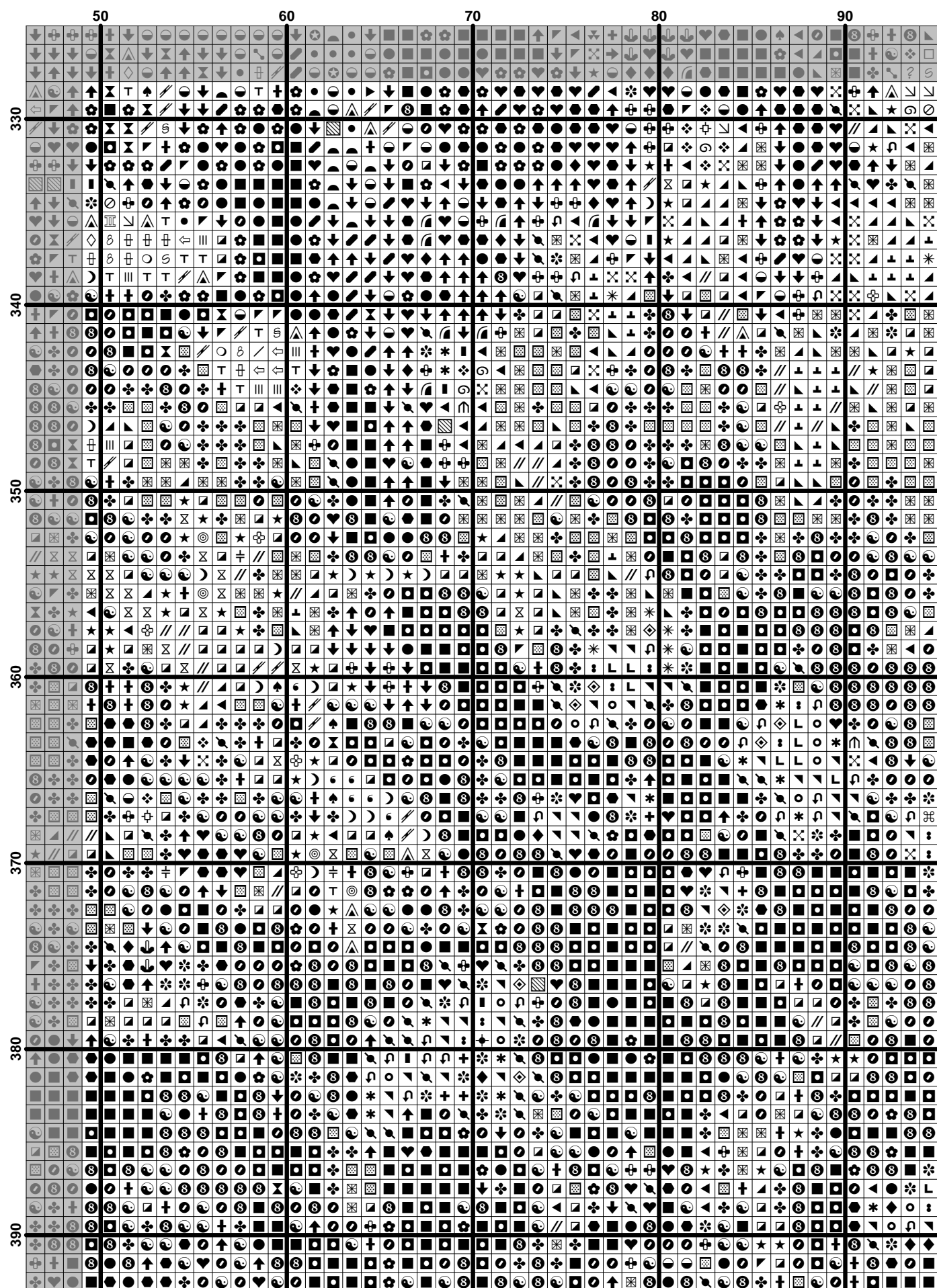


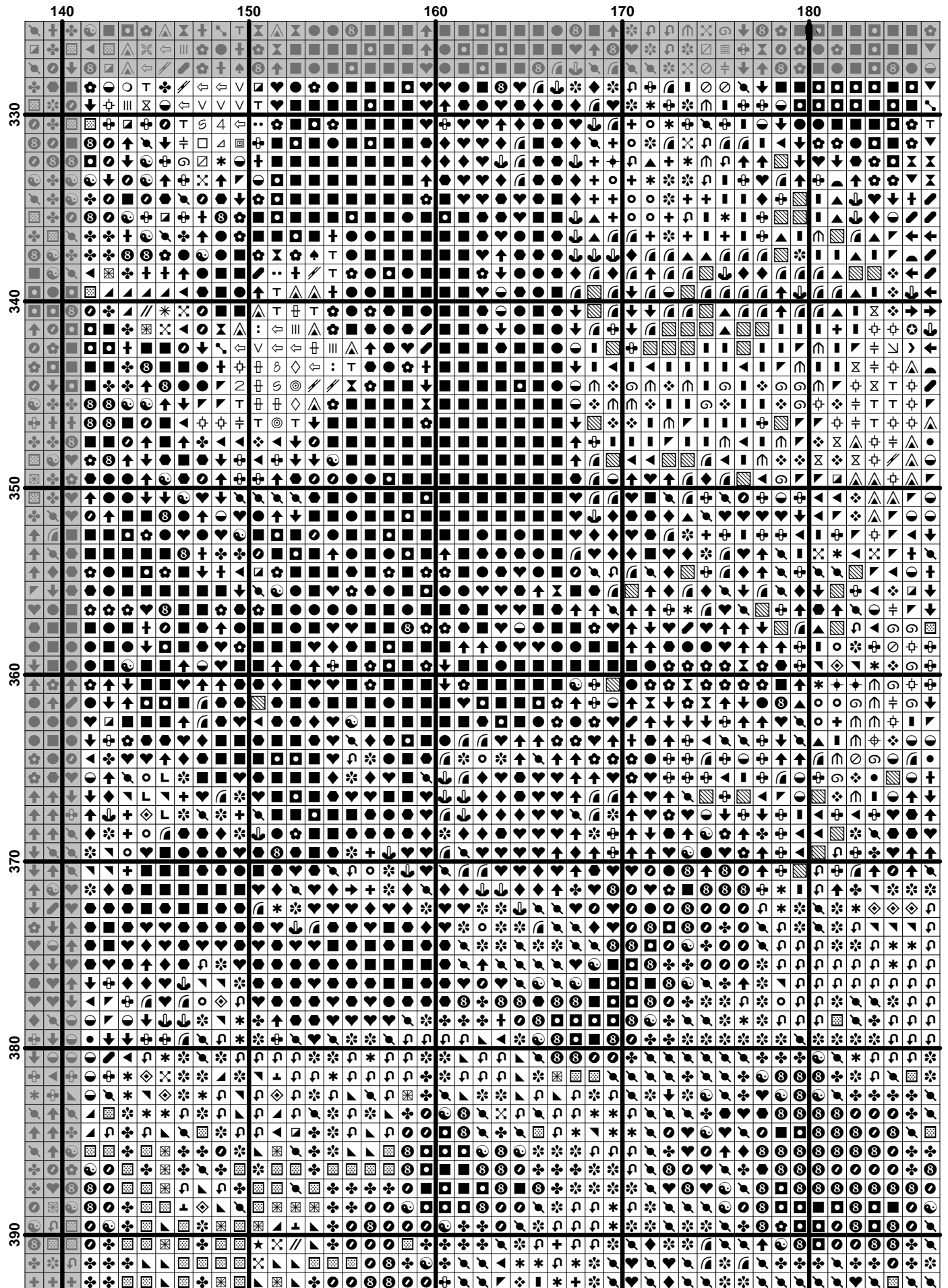








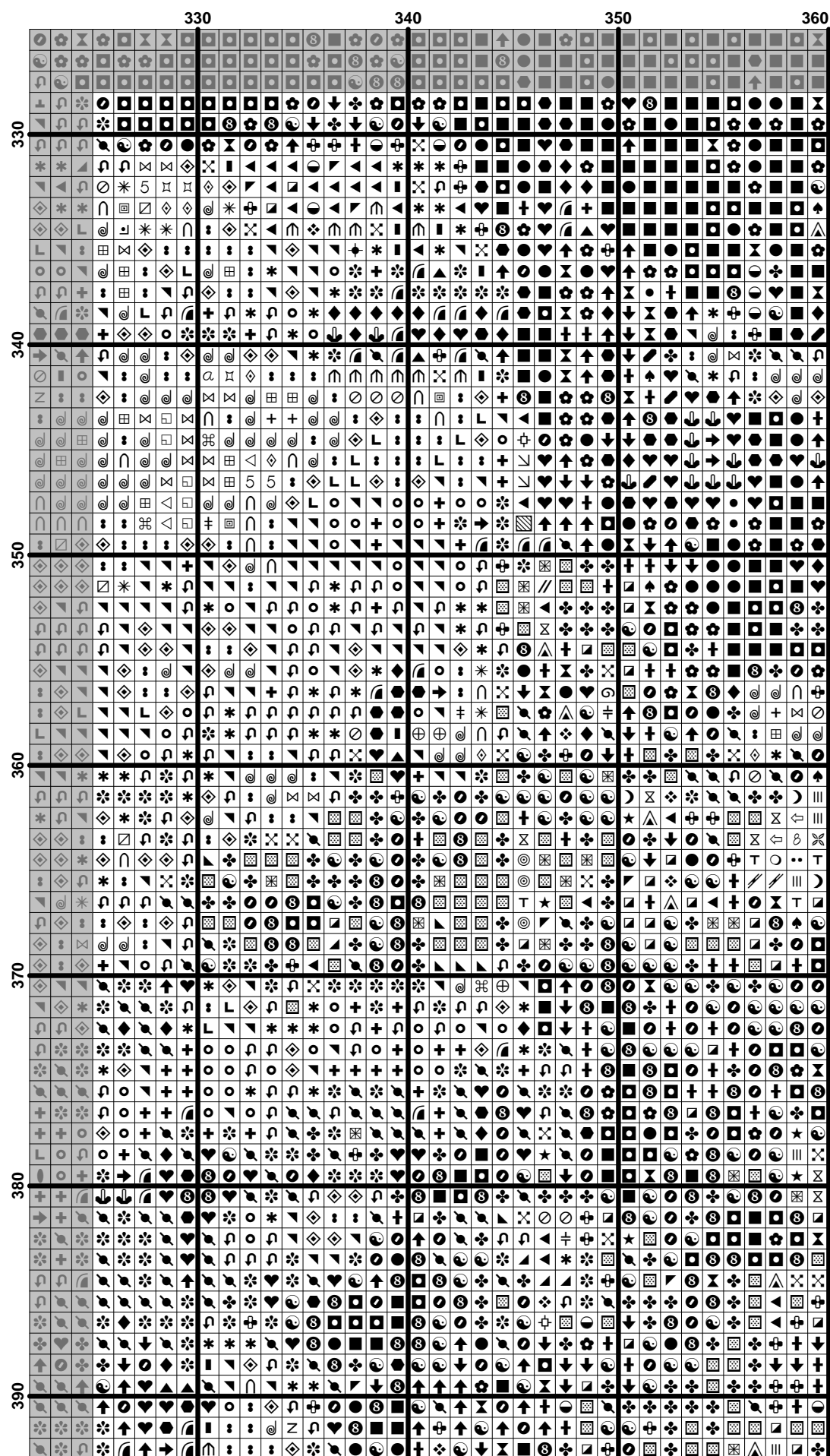


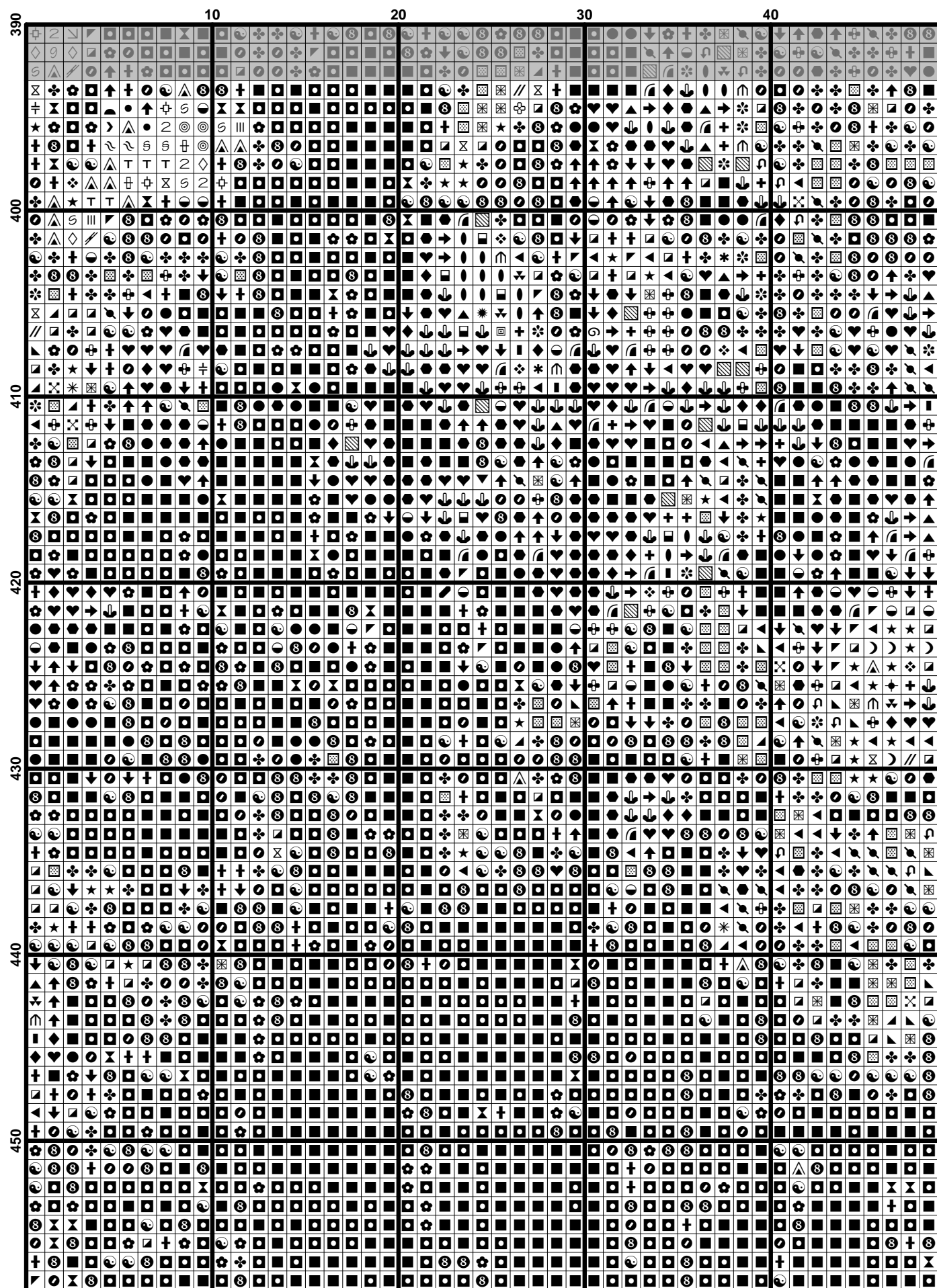


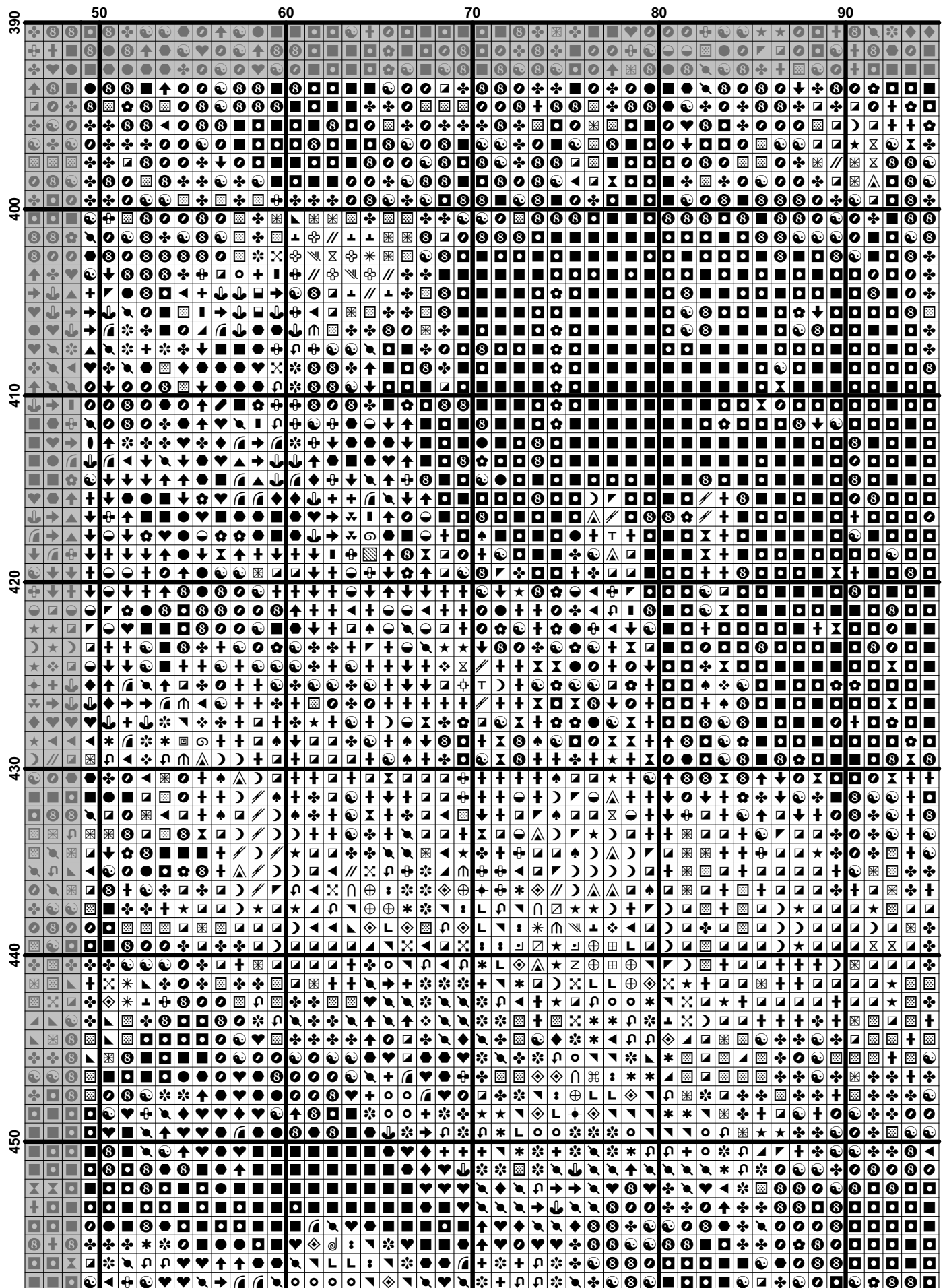
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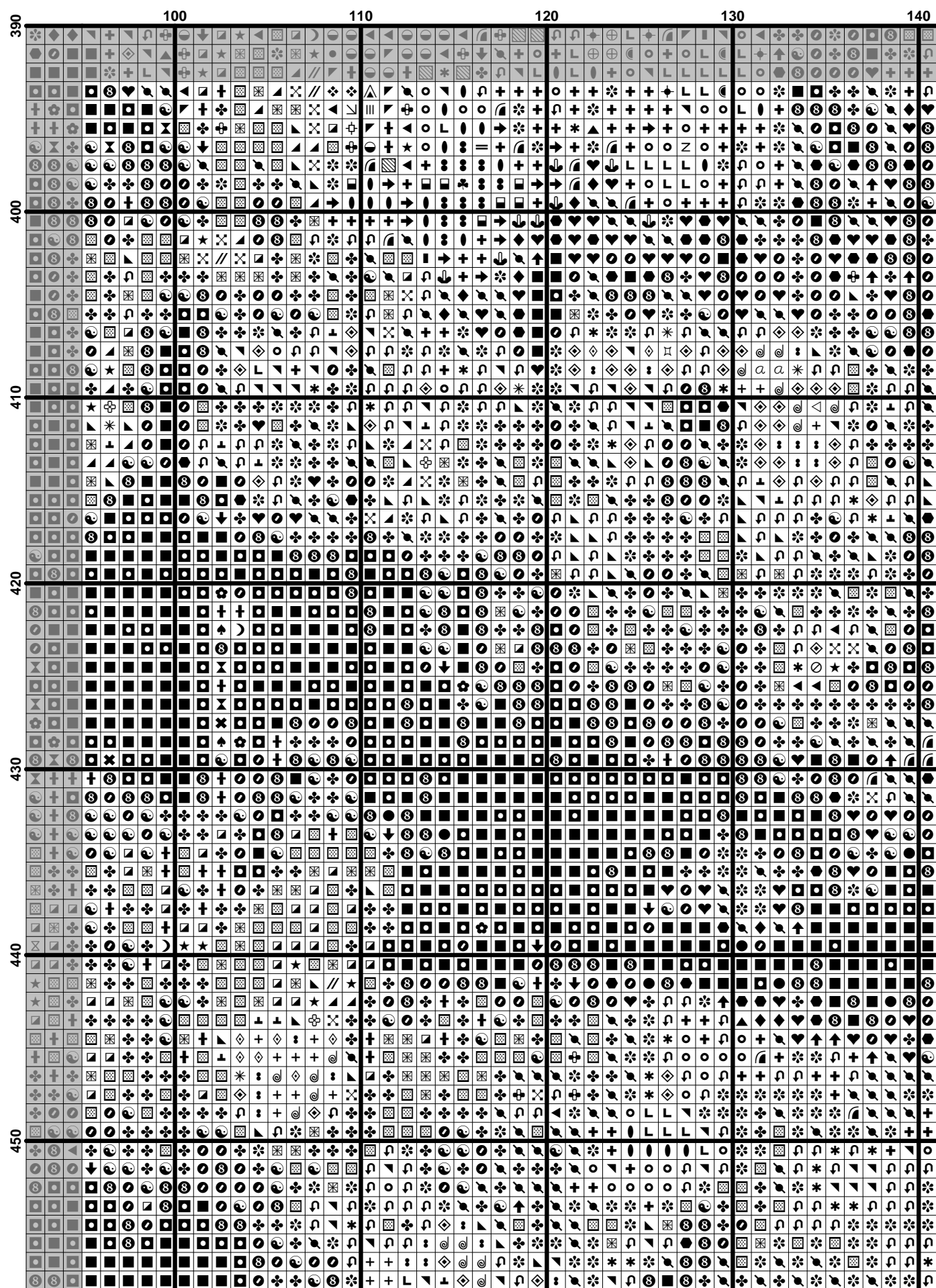
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330					
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360					
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390					

$$(55) \quad \left(\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}(x-y)^2} f(y) dy \right) = f(x)$$







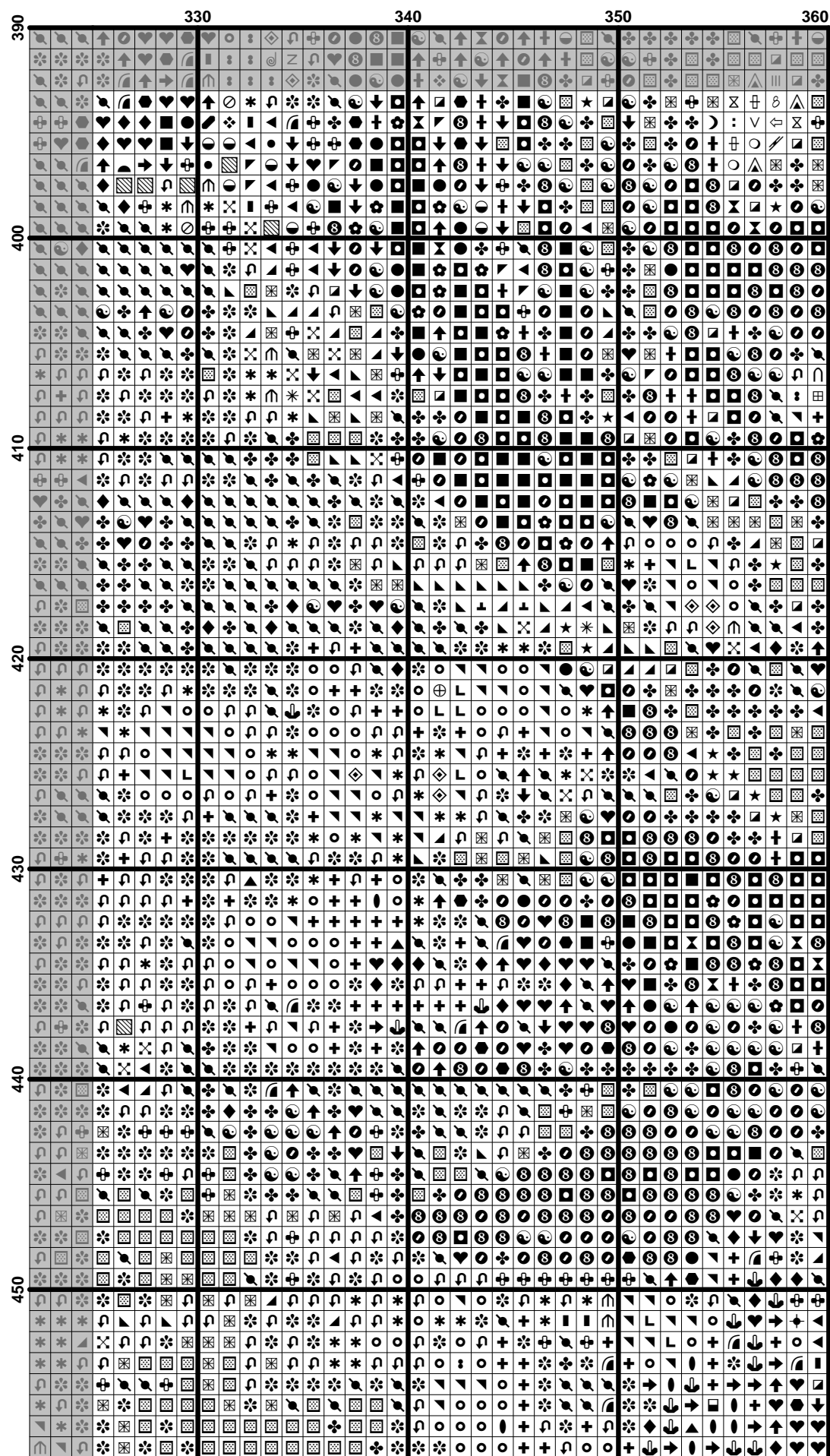


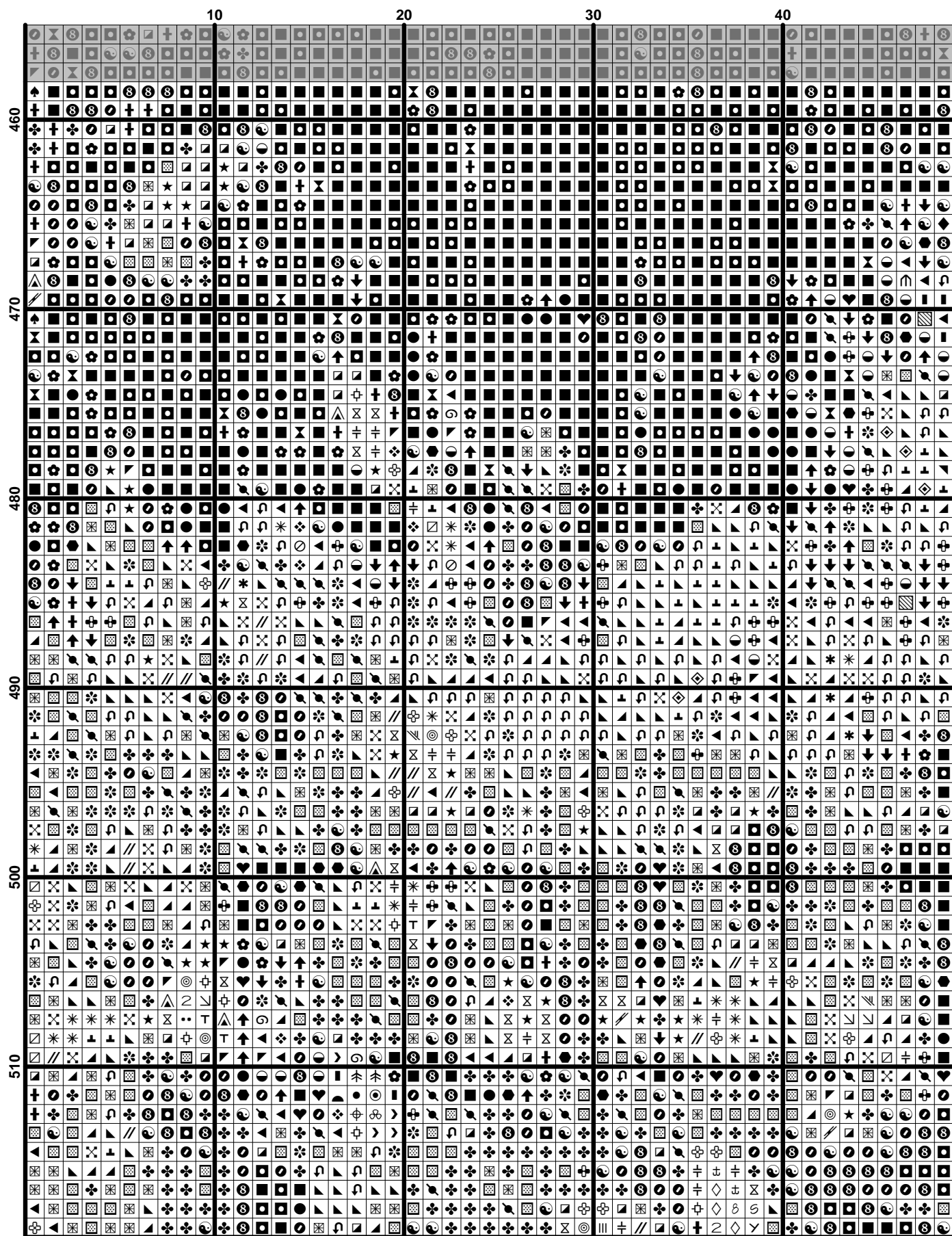
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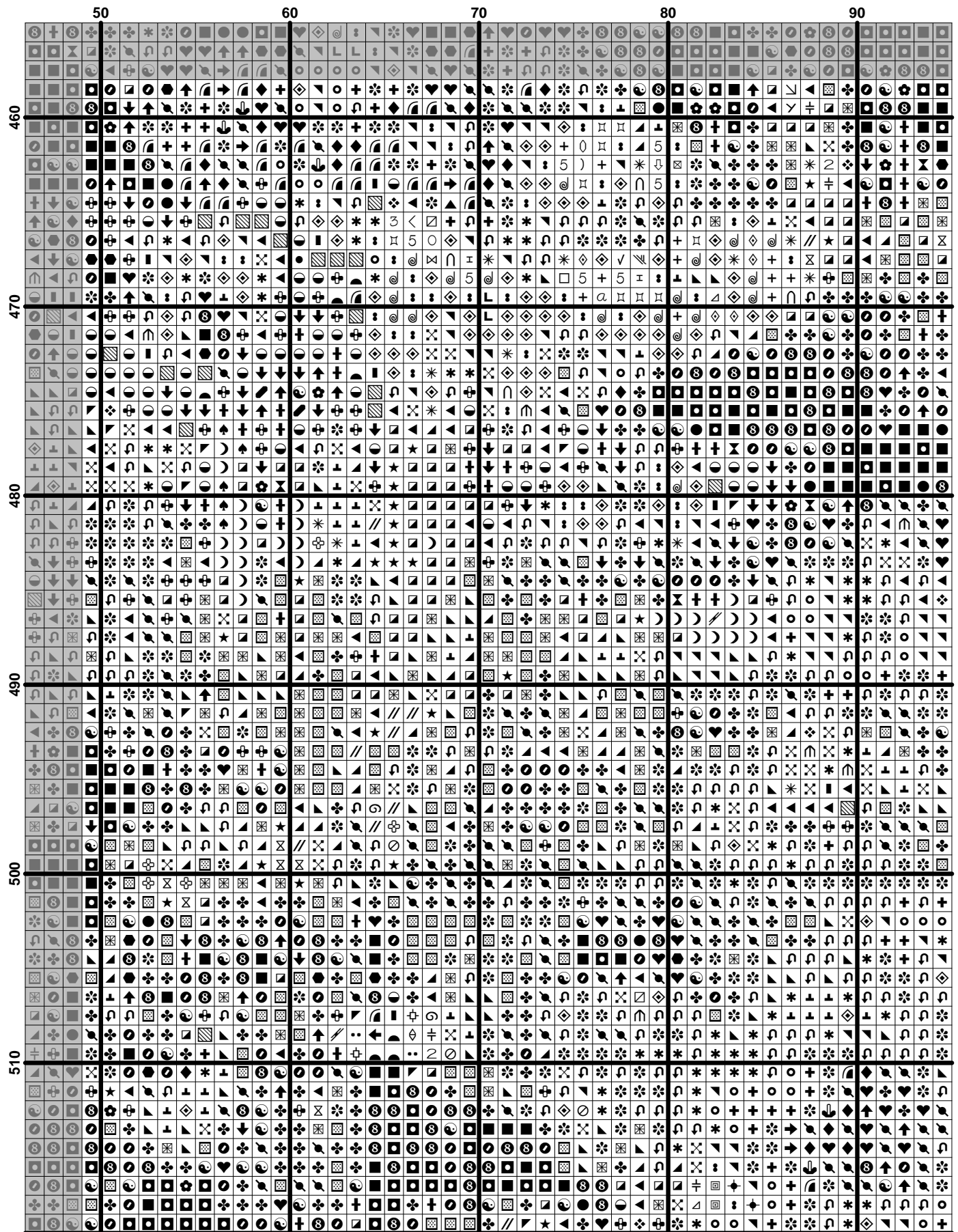
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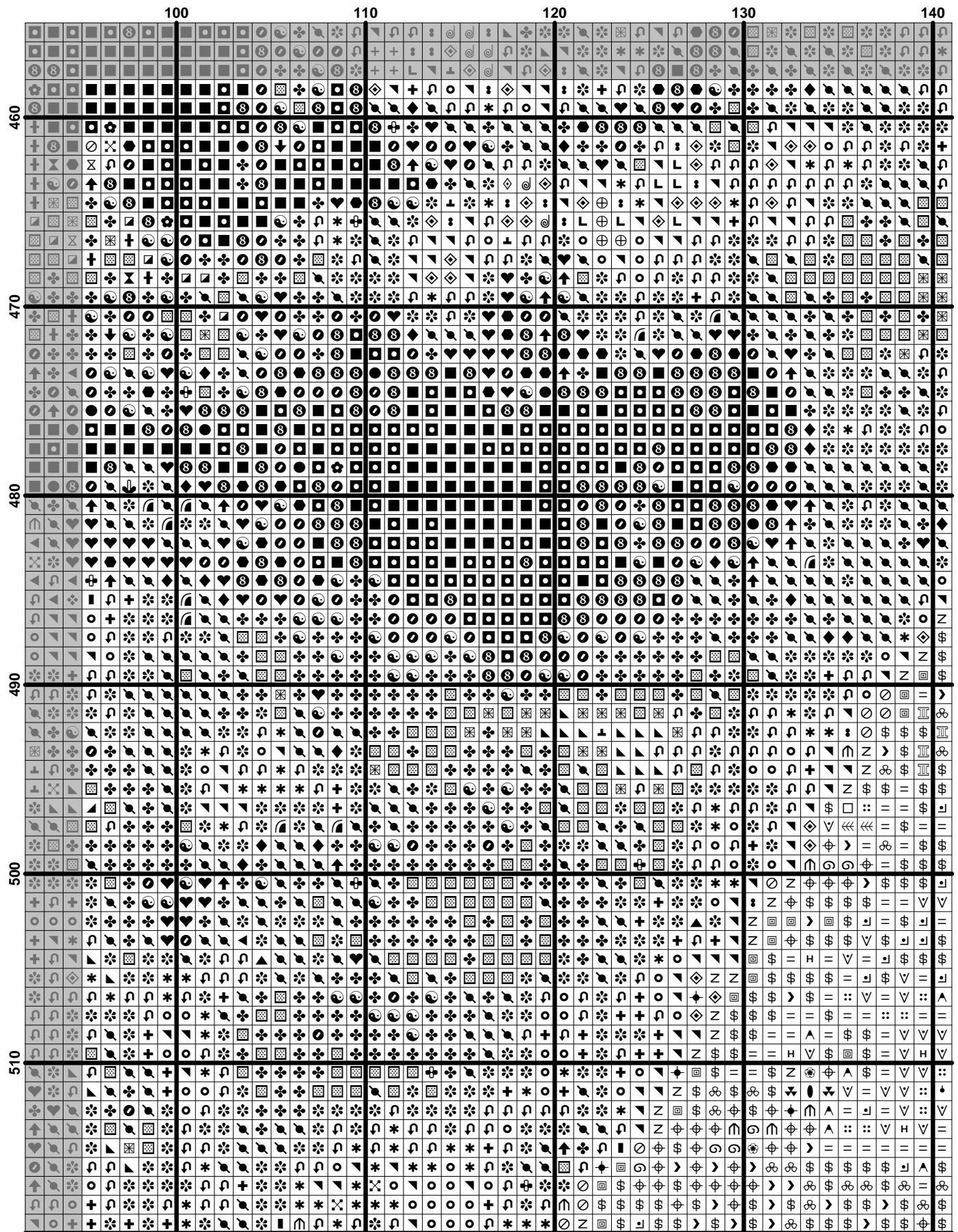
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(64)



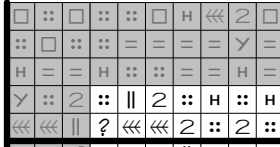
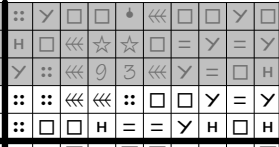
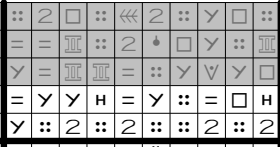
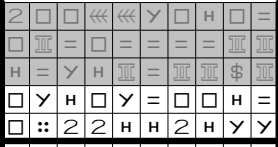
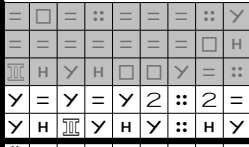
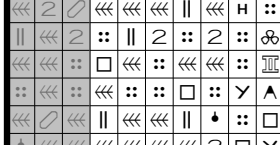
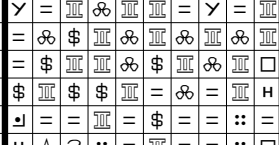
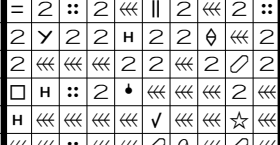
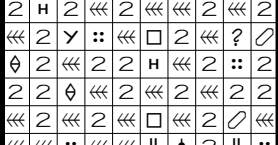
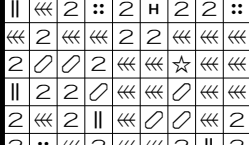
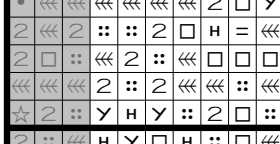
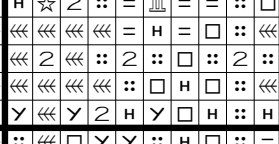
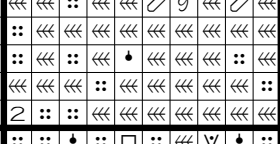
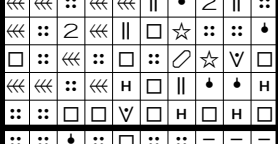
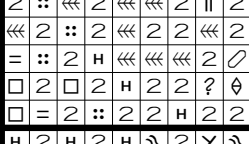
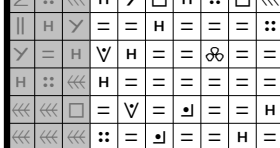
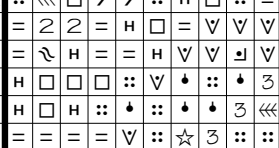
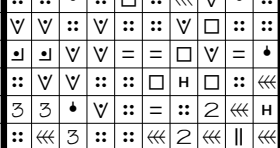
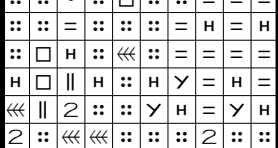
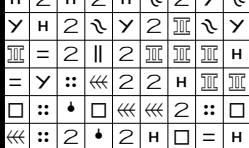
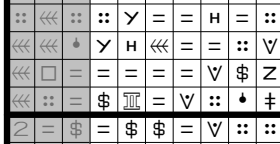
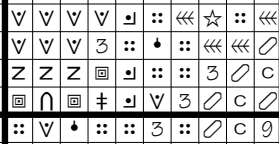
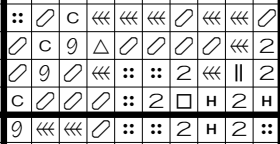
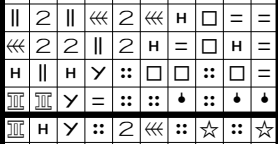
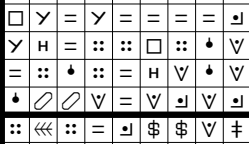
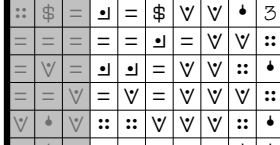
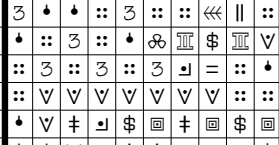
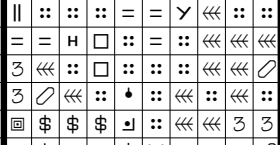
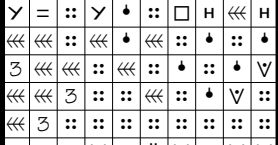
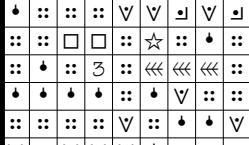






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[illegible]

