

S1981 Bouquet of Roses with Blue Ribbon



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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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Bouquet of Roses with Blue Ribbon

Stitch Count	
Horizontal:	500
Vertical:	393

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	72	27,96	80	31,21	63	24,46	71	27,75	56	21,75
Including Margins:	107	42	88	34	96	38	79	31	87	34	72	28
	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	100	39,14	106	41,61	84	32,62	53	20,8	42	16,31
Including Margins:	143	56	116	46	122	48	100	39	69	27	58	23
	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	40	15,65	49	19,2	38	15,05	47	18,49	37	14,49
Including Margins:	66	26	56	22	65	26	54	22	63	25	53	21
	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	36	13,98	42	16,64	33	13,04	39	15,6	31	12,23
Including Margins:	61	24	52	20	58	23	49	20	55	22	47	19

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

Symbol	DMC	Name
↓	221	Shell Pink-VY DK
↖	223	Shell Pink-LT
↔	224	Shell Pink-VY LT
↗	225	Shell Pink-UL VY LT
■	300	Mahogany-VY DK
⊗	304	Christmas Red-MD
■	310	Black
⊗	312	Baby Blue-VY DK
⦶	316	Antique Mauve-MD
⦶	317	Pewter Gray
+	318	Steel Gray-LT
●	321	Christmas Red
■	326	Rose-VY DK
⊕	327	Violet-VY DK
♥	336	Navy Blue
♣	347	Salmon-VY DK
▶	355	Terra Cotta-DK
⊕	356	Terra Cotta-MD
⊗	370	Mustard-MD
⦶	371	Mustard
7	372	Mustard-LT
⦶	400	Mahogany-DK
⦶	407	Desert Sand-DK
⦶	414	Steel Gray-DK
⦶	420	Hazelnut Brown-DK
▼	433	Brown-MD
⊗	434	Brown-LT
⦶	435	Brown-VY LT
2	436	Tan
◇	437	Tan-LT
▶	451	Shell Gray-DK
⦶	452	Shell Gray-MD
L	453	Shell Gray-LT
▼	469	Avocado Green
↖	470	Avocado Green-LT
⦶	471	Avocado Green-VY LT
♣	498	Christmas Red-DK
●	500	Blue Green-VY DK
●	520	Fern Green-DK
—	523	Fern Green-LT
○	535	Ash Gray-VY LT
I	543	Beige Brown-UL VY LT
⊗	550	Violet-VY DK
↔	552	Violet-MD
⌒	580	Moss Green-DK
⌒	581	Moss Green
◀	600	Cranberry-VY DK
★	601	Cranberry-DK
▲	610	Drab Brown-DK
Z	611	Drab Brown
×	612	Drab Brown-LT
○	613	Drab Brown-VY LT
=	632	Desert Sand-UL VY DK

⊙	640	Beige Gray-VY DK
⦶	642	Beige Gray-DK
:	644	Beige Gray-MD
▣	646	Beaver Gray-DK
○	647	Beaver Gray-MD
⊗	648	Beaver Gray-LT
«	712	Cream
●	730	Olive Green-VY DK
♣	732	Olive Green
=	733	Olive Green-MD
∪	734	Olive Green-LT
∅	738	Tan-VY LT
(739	Tan-UL VY LT
□	754	Peach-LT
/	758	Terra Cotta-VY LT
6	778	Antique Mauve-VY LT
⦿	782	Topaz-DK
⋈	783	Topaz-MD
■	792	Cornflower Blue-DK
●	793	Cornflower Blue-MD
☿	801	Coffee Brown-DK
⦿	814	Garnet-DK
⋈	815	Garnet-MD
1	819	Baby Pink-LT
^	822	Beige Gray-LT
+	829	Golden Olive-VY DK
▲	830	Golden Olive-DK
L	831	Golden Olive-MD
⌘	832	Golden Olive
⋈	833	Golden Olive-LT
4	834	Golden Olive-VY LT
☾	838	Beige Brown-VY DK
▨	839	Beige Brown-DK
∩	841	Beige Brown-LT
⊕	842	Beige Brown-VY LT
φ	844	Beaver Brown-UL DK
*	869	Hazelnut Brown-VY DK
✕	898	Coffee Brown-VY DK
≡	907	Parrot Green-LT
≡	920	Copper-MD
⋮	924	Gray Green--VY DK
▲	930	Antique Blue-DK
⊕	931	Antique Blue-MD
●	934	Black Avocado Green
↓	935	Avocado Green-DK
†	936	Avocado Green-VY DK
♯	937	Avocado Green-MD
☿	938	Coffee Brown-UL DK
)	950	Desert Sand-LT
~	951	Tawny-LT
⊕	961	Dusty Rose-DK
∞	963	Dusty Rose-UL VY LT
♠	975	Golden Brown-DK
☆	977	Golden Brown-LT
#	989	Forest Green
▲	3011	Khaki Green-DK
×	3012	Khaki Green-MD
3	3013	Khaki Green-LT
←	3021	Brown Gray-VY DK

§	3022	Brown Gray-MD
· ·	3023	Brown Gray-LT
<	3024	Brown Gray-VY LT
●	3031	Mocha Brown-VY DK
^	3032	Mocha Brown-MD
↑	3045	Yellow Beige-DK
☺	3051	Green Gray-DK
♣	3052	Green Gray-MD
☺	3053	Green Gray
☺	3064	Desert Sand
↑	3072	Beaver Gray-VY LT
◀	3328	Salmon-DK
♣	3345	Hunter Green-DK
☺	3346	Hunter Green
∩	3347	Yellow Green-MD
9	3348	Yellow Green-LT
❖	3350	Dusty Rose-UL DK
±	3354	Dusty Rose-LT
♣	3362	Pine Green-DK
☺	3363	Pine Green-MD
✓	3364	Pine Green
■	3371	Black Brown
☺	3687	Mauve
..	3688	Mauve-MD
·	3689	Mauve-LT
o	3713	Salmon-VY LT
☺	3721	Shell Pink-DK
☺	3722	Shell Pink-MD
//	3726	Antique Mauve-DK
5	3727	Antique Mauve-LT
☺	3731	Dusty Rose-VY DK
::	3733	Dusty Rose
♡	3743	Antique Violet-VY LT
H	3746	Blue Violet-DK
◆	3750	Antique Blue-VY DK
☺	3768	Gray Green-DK
..	3772	Desert Sand-VY DK
τ	3776	Mahogany-LT
☺	3777	Terra Cotta-VY DK
§	3778	Terra Cotta-LT
⇒	3779	Terra Cotta-UL VY LT
☺	3781	Mocha Brown-DK
✓	3782	Mocha Brown-LT
☺	3787	Brown Gray-DK
☺	3790	Beige Gray-UL DK
↑	3799	Pewter Gray-VY DK
☺	3807	Cornflower Blue
☺	3809	Turquoise-VY DK
e	3820	Straw-DK
☺	3826	Golden Brown
☺	3828	Hazelnut Brown
☺	3829	Old Gold-VY DK
☺	3831	Raspberry-DK
☺	3834	Grape-DK
♣	3852	Straw-VY DK
▷	3856	Mahogany-UL VY LT
➔	3857	Rosewood-DK
☺	3859	Rosewood-LT
☺	3861	Cocoa-LT

⬇	3862	Mocha Beige-DK
*	3863	Mocha Beige-MD
□	3864	Mocha Beige-LT
u	3865	Winter White
o	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

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	
221	Shell Pink-VY DK	38	14	36	14	32	12
223	Shell Pink-LT	217	85	207	81	186	73
224	Shell Pink-VY LT	173	68	165	64	149	58
225	Shell Pink-UL VY LT	162	63	155	61	139	54
300	Mahogany-VY DK	63	24	60	23	54	21
304	Christmas Red-MD	259	101	247	97	222	87
310	Black	840	330	800	314	720	283
312	Baby Blue-VY DK	6	2	6	2	5	1
316	Antique Mauve-MD	78	30	74	29	67	26
317	Pewter Gray	308	121	293	115	264	103
318	Steel Gray-LT	14	5	14	5	12	4
321	Christmas Red	186	73	177	69	160	62
326	Rose-VY DK	244	96	232	91	209	82
327	Violet-VY DK	30	11	28	11	25	9
336	Navy Blue	10	3	9	3	8	3
347	Salmon-VY DK	45	17	43	16	39	15
355	Terra Cotta-DK	98	38	93	36	84	33
356	Terra Cotta-MD	128	50	122	48	110	43
370	Mustard-MD	222	87	211	83	190	74
371	Mustard	369	145	351	138	316	124
372	Mustard-LT	586	230	558	219	502	197
400	Mahogany-DK	63	24	60	23	54	21
407	Desert Sand-DK	322	126	306	120	276	108
414	Steel Gray-DK	43	16	41	16	37	14
420	Hazelnut Brown-DK	282	111	268	105	241	94
433	Brown-MD	191	75	182	71	164	64
434	Brown-LT	156	61	149	58	134	52
435	Brown-VY LT	85	33	81	31	73	28
436	Tan	30	11	29	11	26	10
437	Tan-LT	72	28	69	27	62	24
451	Shell Gray-DK	34	13	32	12	29	11
452	Shell Gray-MD	236	92	225	88	203	79
453	Shell Gray-LT	263	103	251	98	226	88
469	Avocado Green	309	121	295	116	265	104
470	Avocado Green-LT	288	113	274	107	247	97
471	Avocado Green-VY LT	346	136	330	129	297	116
498	Christmas Red-DK	444	174	423	166	381	150
500	Blue Green-VY DK	1364	537	1299	511	1169	460
520	Fern Green-DK	382	150	364	143	328	129
523	Fern Green-LT	37	14	36	14	32	12
535	Ash Gray-VY LT	100	39	96	37	86	33
543	Beige Brown-UL VY LT	141	55	134	52	121	47
550	Violet-VY DK	33	12	32	12	29	11
552	Violet-MD	11	4	11	4	10	3
580	Moss Green-DK	683	268	651	256	586	230
581	Moss Green	496	195	473	186	426	167
600	Cranberry-VY DK	109	42	104	40	94	37
601	Cranberry-DK	44	17	42	16	38	14
610	Drab Brown-DK	460	181	438	172	394	155
611	Drab Brown	501	197	478	188	430	169
612	Drab Brown-LT	470	185	448	176	403	158
613	Drab Brown-VY LT	40	15	38	14	35	13
632	Desert Sand-UL VY DK	154	60	147	57	132	51

640	Beige Gray-VY DK	146	57	139	54	126	49
642	Beige Gray-DK	48	18	46	18	41	16
644	Beige Gray-MD	48	18	46	18	42	16
646	Beaver Gray-DK	66	25	63	24	56	22
647	Beaver Gray-MD	52	20	50	19	45	17
648	Beaver Gray-LT	99	38	95	37	85	33
712	Cream	31	12	30	11	27	10
730	Olive Green-VY DK	696	274	663	261	597	235
732	Olive Green	354	139	337	132	303	119
733	Olive Green-MD	103	40	98	38	88	34
734	Olive Green-LT	42	16	40	15	36	14
738	Tan-VY LT	110	43	105	41	94	37
739	Tan-UL VY LT	12	4	12	4	11	4
754	Peach-LT	10	3	9	3	8	3
758	Terra Cotta-VY LT	92	36	88	34	79	31
778	Antique Mauve-VY LT	284	111	271	106	244	96
782	Topaz-DK	18	7	17	6	15	5
783	Topaz-MD	21	8	20	7	18	7
792	Cornflower Blue-DK	26	10	25	9	23	9
793	Cornflower Blue-MD	27	10	26	10	23	9
801	Coffee Brown-DK	509	200	485	190	437	172
814	Garnet-DK	194	76	185	72	166	65
815	Garnet-MD	286	112	272	107	245	96
819	Baby Pink-LT	133	52	127	50	114	44
822	Beige Gray-LT	75	29	72	28	65	25
829	Golden Olive-VY DK	647	254	616	242	554	218
830	Golden Olive-DK	480	188	457	179	411	161
831	Golden Olive-MD	260	102	248	97	223	87
832	Golden Olive	148	58	141	55	127	50
833	Golden Olive-LT	17	6	16	6	15	5
834	Golden Olive-VY LT	16	6	15	5	14	5
838	Beige Brown-VY DK	414	162	394	155	355	139
839	Beige Brown-DK	189	74	180	70	162	63
841	Beige Brown-LT	160	62	152	59	137	53
842	Beige Brown-VY LT	181	71	173	68	155	61
844	Beaver Brown-UL DK	203	79	194	76	174	68
869	Hazelnut Brown-VY DK	403	158	384	151	345	135
898	Coffee Brown-VY DK	854	336	813	320	732	288
907	Parrot Green-LT	56	22	53	20	48	18
920	Copper-MD	140	55	134	52	120	47
924	Gray Green--VY DK	244	96	232	91	209	82
930	Antique Blue-DK	128	50	122	48	110	43
931	Antique Blue-MD	76	29	73	28	65	25
934	Black Avocado Green	4303	1694	4098	1613	3689	1452
935	Avocado Green-DK	4022	1583	3830	1507	3447	1357
936	Avocado Green-VY DK	2754	1084	2623	1032	2361	929
937	Avocado Green-MD	778	306	741	291	667	262
938	Coffee Brown-UL DK	1866	734	1777	699	1599	629
950	Desert Sand-LT	161	63	153	60	138	54
951	Tawny-LT	7	2	6	2	6	2
961	Dusty Rose-DK	25	9	24	9	22	8
963	Dusty Rose-UL VY LT	144	56	137	53	123	48
975	Golden Brown-DK	115	45	109	42	98	38
977	Golden Brown-LT	18	7	17	6	16	6
989	Forest Green	43	16	41	16	37	14
3011	Khaki Green-DK	886	348	843	331	759	298
3012	Khaki Green-MD	536	211	510	200	459	180
3013	Khaki Green-LT	172	67	164	64	148	58
3021	Brown Gray-VY DK	2537	998	2416	951	2175	856

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3022	Brown Gray-MD	68	26	65	25	58	22
3023	Brown Gray-LT	49	19	46	18	42	16
3024	Brown Gray-VY LT	19	7	18	7	16	6
3031	Mocha Brown-VY DK	3313	1304	3155	1242	2839	1117
3032	Mocha Brown-MD	188	74	179	70	161	63
3045	Yellow Beige-DK	207	81	197	77	178	70
3051	Green Gray-DK	2042	803	1944	765	1750	688
3052	Green Gray-MD	175	68	166	65	150	59
3053	Green Gray	122	48	117	46	105	41
3064	Desert Sand	62	24	59	23	53	20
3072	Beaver Gray-VY LT	119	46	114	44	102	40
3328	Salmon-DK	35	13	34	13	30	11
3345	Hunter Green-DK	96	37	92	36	83	32
3346	Hunter Green	609	239	580	228	522	205
3347	Yellow Green-MD	297	116	282	111	254	100
3348	Yellow Green-LT	89	35	85	33	76	29
3350	Dusty Rose-UL DK	115	45	109	42	98	38
3354	Dusty Rose-LT	72	28	69	27	62	24
3362	Pine Green-DK	741	291	706	277	635	250
3363	Pine Green-MD	121	47	115	45	104	40
3364	Pine Green	357	140	340	133	306	120
3371	Black Brown	742	292	707	278	636	250
3687	Mauve	45	17	42	16	38	14
3688	Mauve-MD	205	80	195	76	176	69
3689	Mauve-LT	290	114	276	108	249	98
3713	Salmon-VY LT	88	34	84	33	76	29
3721	Shell Pink-DK	152	59	145	57	130	51
3722	Shell Pink-MD	192	75	183	72	165	64
3726	Antique Mauve-DK	34	13	32	12	29	11
3727	Antique Mauve-LT	298	117	284	111	255	100
3731	Dusty Rose-VY DK	184	72	175	68	158	62
3733	Dusty Rose	143	56	137	53	123	48
3743	Antique Violet-VY LT	118	46	112	44	101	39
3746	Blue Violet-DK	9	3	8	3	8	3
3750	Antique Blue-VY DK	13	5	12	4	11	4
3768	Gray Green-DK	204	80	194	76	175	68
3772	Desert Sand-VY DK	269	105	256	100	230	90
3776	Mahogany-LT	28	11	27	10	24	9
3777	Terra Cotta-VY DK	173	68	165	64	149	58
3778	Terra Cotta-LT	73	28	69	27	62	24
3779	Terra Cotta-UL VY LT	28	11	27	10	24	9
3781	Mocha Brown-DK	1197	471	1140	448	1026	403
3782	Mocha Brown-LT	145	57	138	54	125	49
3787	Brown Gray-DK	338	133	322	126	290	114
3790	Beige Gray-UL DK	224	88	213	83	192	75
3799	Pewter Gray-VY DK	594	233	566	222	509	200
3807	Cornflower Blue	39	15	37	14	33	12
3809	Turquoise-VY DK	50	19	48	18	43	16
3820	Straw-DK	10	3	10	3	9	3
3826	Golden Brown	71	27	68	26	61	24
3828	Hazelnut Brown	121	47	115	45	104	40
3829	Old Gold-VY DK	86	33	82	32	74	29
3831	Raspberry-DK	114	44	109	42	98	38
3834	Grape-DK	23	9	22	8	20	7
3852	Straw-VY DK	15	5	14	5	13	5
3856	Mahogany-UL VY LT	10	3	10	3	9	3
3857	Rosewood-DK	14	5	13	5	12	4
3859	Rosewood-LT	237	93	226	88	203	79
3861	Cocoa-LT	127	50	121	47	109	42

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3862	Mocha Beige-DK	288	113	274	107	247	97
3863	Mocha Beige-MD	243	95	231	90	208	81
3864	Mocha Beige-LT	457	179	435	171	392	154
3865	Winter White	16	6	16	6	14	5
3866	Mocha Brown-UL VY LT	207	81	197	77	177	69

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
221	Shell Pink-VY DK	58	22	48	18	24	9
223	Shell Pink-LT	335	131	279	110	140	55
224	Shell Pink-VY LT	268	104	224	87	112	44
225	Shell Pink-UL VY LT	250	97	209	81	104	41
300	Mahogany-VY DK	97	38	81	32	41	16
304	Christmas Red-MD	400	157	333	131	167	65
310	Black	1296	509	1080	425	540	212
312	Baby Blue-VY DK	9	2	8	2	4	1
316	Antique Mauve-MD	121	47	101	39	50	20
317	Pewter Gray	475	185	396	155	198	77
318	Steel Gray-LT	22	7	18	6	9	3
321	Christmas Red	288	112	240	93	120	47
326	Rose-VY DK	376	148	314	123	157	62
327	Violet-VY DK	45	16	38	14	19	7
336	Navy Blue	14	5	12	5	6	2
347	Salmon-VY DK	70	27	59	23	29	11
355	Terra Cotta-DK	151	59	126	50	63	25
356	Terra Cotta-MD	198	77	165	65	83	32
370	Mustard-MD	342	133	285	111	143	56
371	Mustard	569	223	474	186	237	93
372	Mustard-LT	904	355	753	296	377	148
400	Mahogany-DK	97	38	81	32	41	16
407	Desert Sand-DK	497	194	414	162	207	81
414	Steel Gray-DK	67	25	56	21	28	11
420	Hazelnut Brown-DK	434	169	362	141	181	71
433	Brown-MD	295	115	246	96	123	48
434	Brown-LT	241	94	201	78	101	39
435	Brown-VY LT	131	50	110	42	55	21
436	Tan	47	18	39	15	20	8
437	Tan-LT	112	43	93	36	47	18
451	Shell Gray-DK	52	20	44	17	22	8
452	Shell Gray-MD	365	142	305	119	152	59
453	Shell Gray-LT	407	158	339	132	170	66
469	Avocado Green	477	187	398	156	199	78
470	Avocado Green-LT	445	175	371	146	185	73
471	Avocado Green-VY LT	535	209	446	174	223	87
498	Christmas Red-DK	686	270	572	225	286	113
500	Blue Green-VY DK	2104	828	1754	690	877	345
520	Fern Green-DK	590	232	492	194	246	97
523	Fern Green-LT	58	22	48	18	24	9
535	Ash Gray-VY LT	155	59	129	50	65	25
543	Beige Brown-UL VY LT	218	85	182	71	91	35
550	Violet-VY DK	52	20	44	17	22	8
552	Violet-MD	18	5	15	5	8	2
580	Moss Green-DK	1055	414	879	345	440	173
581	Moss Green	767	301	639	251	320	125
600	Cranberry-VY DK	169	67	141	56	71	28

601	Cranberry-DK	68	25	57	21	29	11
610	Drab Brown-DK	709	279	591	233	296	116
611	Drab Brown	774	304	645	254	323	127
612	Drab Brown-LT	725	284	605	237	302	119
613	Drab Brown-VY LT	63	23	53	20	26	10
632	Desert Sand-UL VY DK	238	92	198	77	99	38
640	Beige Gray-VY DK	227	88	189	74	95	37
642	Beige Gray-DK	74	29	62	24	31	12
644	Beige Gray-MD	76	29	63	24	32	12
646	Beaver Gray-DK	101	40	84	33	42	17
647	Beaver Gray-MD	81	31	68	26	34	13
648	Beaver Gray-LT	153	59	128	50	64	25
712	Cream	49	18	41	15	20	8
730	Olive Green-VY DK	1075	423	896	353	448	176
732	Olive Green	545	214	455	179	227	89
733	Olive Green-MD	158	61	132	51	66	26
734	Olive Green-LT	65	25	54	21	27	11
738	Tan-VY LT	169	67	141	56	71	28
739	Tan-UL VY LT	20	7	17	6	8	3
754	Peach-LT	14	5	12	5	6	2
758	Terra Cotta-VY LT	142	56	119	47	59	23
778	Antique Mauve-VY LT	439	173	366	144	183	72
782	Topaz-DK	27	9	23	8	11	4
783	Topaz-MD	32	13	27	11	14	5
792	Cornflower Blue-DK	41	16	35	14	17	7
793	Cornflower Blue-MD	41	16	35	14	17	7
801	Coffee Brown-DK	787	310	656	258	328	129
814	Garnet-DK	299	117	249	98	125	49
815	Garnet-MD	441	173	368	144	184	72
819	Baby Pink-LT	205	79	171	66	86	33
822	Beige Gray-LT	117	45	98	38	49	19
829	Golden Olive-VY DK	997	392	831	327	416	164
830	Golden Olive-DK	740	290	617	242	308	121
831	Golden Olive-MD	401	157	335	131	167	65
832	Golden Olive	229	90	191	75	95	38
833	Golden Olive-LT	27	9	23	8	11	4
834	Golden Olive-VY LT	25	9	21	8	11	4
838	Beige Brown-VY DK	639	250	533	209	266	104
839	Beige Brown-DK	292	113	243	95	122	47
841	Beige Brown-LT	247	95	206	80	103	40
842	Beige Brown-VY LT	279	110	233	92	116	46
844	Beaver Brown-UL DK	313	122	261	102	131	51
869	Hazelnut Brown-VY DK	621	243	518	203	259	101
898	Coffee Brown-VY DK	1318	518	1098	432	549	216
907	Parrot Green-LT	86	32	72	27	36	14
920	Copper-MD	216	85	180	71	90	35
924	Gray Green--VY DK	376	148	314	123	157	62
930	Antique Blue-DK	198	77	165	65	83	32
931	Antique Blue-MD	117	45	98	38	49	19
934	Black Avocado Green	6640	2614	5534	2178	2767	1089
935	Avocado Green-DK	6205	2443	5171	2036	2585	1018
936	Avocado Green-VY DK	4250	1672	3542	1394	1771	697
937	Avocado Green-MD	1201	472	1001	393	500	197
938	Coffee Brown-UL DK	2878	1132	2399	944	1199	472
950	Desert Sand-LT	248	97	207	81	104	41
951	Tawny-LT	11	4	9	3	5	2
961	Dusty Rose-DK	40	14	33	12	17	6
963	Dusty Rose-UL VY LT	221	86	185	72	92	36
975	Golden Brown-DK	176	68	147	57	74	29

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977	Golden Brown-LT	29	11	24	9	12	5
989	Forest Green	67	25	56	21	28	11
3011	Khaki Green-DK	1366	536	1139	447	569	224
3012	Khaki Green-MD	826	324	689	270	344	135
3013	Khaki Green-LT	266	104	222	87	111	44
3021	Brown Gray-VY DK	3915	1541	3263	1284	1631	642
3022	Brown Gray-MD	104	40	87	33	44	17
3023	Brown Gray-LT	76	29	63	24	32	12
3024	Brown Gray-VY LT	29	11	24	9	12	5
3031	Mocha Brown-VY DK	5110	2011	4259	1676	2129	838
3032	Mocha Brown-MD	290	113	242	95	121	47
3045	Yellow Beige-DK	320	126	267	105	134	53
3051	Green Gray-DK	3150	1238	2625	1032	1313	516
3052	Green Gray-MD	270	106	225	89	113	44
3053	Green Gray	189	74	158	62	79	31
3064	Desert Sand	95	36	80	30	40	15
3072	Beaver Gray-VY LT	184	72	153	60	77	30
3328	Salmon-DK	54	20	45	17	23	8
3345	Hunter Green-DK	149	58	125	48	62	24
3346	Hunter Green	940	369	783	308	392	154
3347	Yellow Green-MD	457	180	381	150	191	75
3348	Yellow Green-LT	137	52	114	44	57	22
3350	Dusty Rose-UL DK	176	68	147	57	74	29
3354	Dusty Rose-LT	112	43	93	36	47	18
3362	Pine Green-DK	1143	450	953	375	476	188
3363	Pine Green-MD	187	72	156	60	78	30
3364	Pine Green	551	216	459	180	230	90
3371	Black Brown	1145	450	954	375	477	188
3687	Mauve	68	25	57	21	29	11
3688	Mauve-MD	317	124	264	104	132	52
3689	Mauve-LT	448	176	374	147	187	74
3713	Salmon-VY LT	137	52	114	44	57	22
3721	Shell Pink-DK	234	92	195	77	98	38
3722	Shell Pink-MD	297	115	248	96	124	48
3726	Antique Mauve-DK	52	20	44	17	22	8
3727	Antique Mauve-LT	459	180	383	150	191	75
3731	Dusty Rose-VY DK	284	112	237	93	119	47
3733	Dusty Rose	221	86	185	72	92	36
3743	Antique Violet-VY LT	182	70	152	59	76	29
3746	Blue Violet-DK	14	5	12	5	6	2
3750	Antique Blue-VY DK	20	7	17	6	8	3
3768	Gray Green-DK	315	122	263	102	131	51
3772	Desert Sand-VY DK	414	162	345	135	173	68
3776	Mahogany-LT	43	16	36	14	18	7
3777	Terra Cotta-VY DK	268	104	224	87	112	44
3778	Terra Cotta-LT	112	43	93	36	47	18
3779	Terra Cotta-UL VY LT	43	16	36	14	18	7
3781	Mocha Brown-DK	1847	725	1539	605	770	302
3782	Mocha Brown-LT	225	88	188	74	94	37
3787	Brown Gray-DK	522	205	435	171	218	86
3790	Beige Gray-UL DK	346	135	288	113	144	56
3799	Pewter Gray-VY DK	916	360	764	300	382	150
3807	Cornflower Blue	59	22	50	18	25	9
3809	Turquoise-VY DK	77	29	65	24	32	12
3820	Straw-DK	16	5	14	5	7	2
3826	Golden Brown	110	43	92	36	46	18
3828	Hazelnut Brown	187	72	156	60	78	30
3829	Old Gold-VY DK	133	52	111	44	56	22
3831	Raspberry-DK	176	68	147	57	74	29

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3834	Grape-DK	36	13	30	11	15	5
3852	Straw-VY DK	23	9	20	8	10	4
3856	Mahogany-UL VY LT	16	5	14	5	7	2
3857	Rosewood-DK	22	7	18	6	9	3
3859	Rosewood-LT	365	142	305	119	152	59
3861	Cocoa-LT	196	76	164	63	82	32
3862	Mocha Beige-DK	445	175	371	146	185	73
3863	Mocha Beige-MD	374	146	312	122	156	61
3864	Mocha Beige-LT	706	277	588	231	294	116
3865	Winter White	25	9	21	8	11	4
3866	Mocha Brown-UL VY LT	319	124	266	104	133	52

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
221	Shell Pink-VY DK	23	9	22	8	21	8
223	Shell Pink-LT	134	53	129	51	124	49
224	Shell Pink-VY LT	107	42	103	40	99	39
225	Shell Pink-UL VY LT	100	39	96	37	93	36
300	Mahogany-VY DK	39	15	37	15	36	14
304	Christmas Red-MD	160	63	154	60	148	58
310	Black	518	204	498	196	480	189
312	Baby Blue-VY DK	4	1	3	1	3	1
316	Antique Mauve-MD	48	19	46	18	45	17
317	Pewter Gray	190	74	183	71	176	69
318	Steel Gray-LT	9	3	8	3	8	3
321	Christmas Red	115	45	111	43	107	41
326	Rose-VY DK	150	59	145	57	139	55
327	Violet-VY DK	18	6	17	6	17	6
336	Navy Blue	6	2	6	2	5	2
347	Salmon-VY DK	28	11	27	10	26	10
355	Terra Cotta-DK	60	24	58	23	56	22
356	Terra Cotta-MD	79	31	76	30	73	29
370	Mustard-MD	137	53	132	51	127	49
371	Mustard	228	89	219	86	211	83
372	Mustard-LT	361	142	348	136	335	131
400	Mahogany-DK	39	15	37	15	36	14
407	Desert Sand-DK	199	78	191	75	184	72
414	Steel Gray-DK	27	10	26	10	25	9
420	Hazelnut Brown-DK	174	68	167	65	161	63
433	Brown-MD	118	46	114	44	109	43
434	Brown-LT	96	37	93	36	89	35
435	Brown-VY LT	53	20	51	19	49	19
436	Tan	19	7	18	7	17	7
437	Tan-LT	45	17	43	17	41	16
451	Shell Gray-DK	21	8	20	8	19	7
452	Shell Gray-MD	146	57	141	55	135	53
453	Shell Gray-LT	163	63	156	61	151	59
469	Avocado Green	191	75	183	72	177	69
470	Avocado Green-LT	178	70	171	67	165	65
471	Avocado Green-VY LT	214	84	206	80	198	77
498	Christmas Red-DK	274	108	264	104	254	100
500	Blue Green-VY DK	842	331	809	318	779	307
520	Fern Green-DK	236	93	227	89	219	86
523	Fern Green-LT	23	9	22	8	21	8
535	Ash Gray-VY LT	62	24	60	23	57	22

543	Beige Brown-UL VY LT	87	34	84	33	81	31
550	Violet-VY DK	21	8	20	8	19	7
552	Violet-MD	7	2	7	2	7	2
580	Moss Green-DK	422	166	406	159	391	153
581	Moss Green	307	120	295	116	284	111
600	Cranberry-VY DK	68	27	65	26	63	25
601	Cranberry-DK	27	10	26	10	25	9
610	Drab Brown-DK	284	112	273	107	263	103
611	Drab Brown	310	122	298	117	287	113
612	Drab Brown-LT	290	114	279	109	269	105
613	Drab Brown-VY LT	25	9	24	9	23	9
632	Desert Sand-UL VY DK	95	37	91	35	88	34
640	Beige Gray-VY DK	91	35	87	34	84	33
642	Beige Gray-DK	30	12	28	11	27	11
644	Beige Gray-MD	30	12	29	11	28	11
646	Beaver Gray-DK	40	16	39	15	37	15
647	Beaver Gray-MD	32	12	31	12	30	11
648	Beaver Gray-LT	61	24	59	23	57	22
712	Cream	19	7	19	7	18	7
730	Olive Green-VY DK	430	169	413	163	398	157
732	Olive Green	218	86	210	82	202	79
733	Olive Green-MD	63	24	61	24	59	23
734	Olive Green-LT	26	10	25	10	24	9
738	Tan-VY LT	68	27	65	26	63	25
739	Tan-UL VY LT	8	3	8	3	7	3
754	Peach-LT	6	2	6	2	5	2
758	Terra Cotta-VY LT	57	22	55	21	53	21
778	Antique Mauve-VY LT	176	69	169	66	163	64
782	Topaz-DK	11	4	10	3	10	3
783	Topaz-MD	13	5	12	5	12	5
792	Cornflower Blue-DK	17	6	16	6	15	6
793	Cornflower Blue-MD	17	6	16	6	15	6
801	Coffee Brown-DK	315	124	303	119	291	115
814	Garnet-DK	120	47	115	45	111	43
815	Garnet-MD	176	69	170	66	163	64
819	Baby Pink-LT	82	32	79	30	76	29
822	Beige Gray-LT	47	18	45	17	43	17
829	Golden Olive-VY DK	399	157	384	151	369	145
830	Golden Olive-DK	296	116	285	111	274	107
831	Golden Olive-MD	161	63	154	60	149	58
832	Golden Olive	91	36	88	35	85	33
833	Golden Olive-LT	11	4	10	3	10	3
834	Golden Olive-VY LT	10	4	10	3	9	3
838	Beige Brown-VY DK	256	100	246	96	237	93
839	Beige Brown-DK	117	45	112	44	108	42
841	Beige Brown-LT	99	38	95	37	91	35
842	Beige Brown-VY LT	112	44	107	42	103	41
844	Beaver Brown-UL DK	125	49	120	47	116	45
869	Hazelnut Brown-VY DK	248	97	239	93	230	90
898	Coffee Brown-VY DK	527	207	507	199	488	192
907	Parrot Green-LT	35	13	33	12	32	12
920	Copper-MD	86	34	83	33	80	31
924	Gray Green--VY DK	150	59	145	57	139	55
930	Antique Blue-DK	79	31	76	30	73	29
931	Antique Blue-MD	47	18	45	17	43	17
934	Black Avocado Green	2656	1045	2554	1005	2459	968
935	Avocado Green-DK	2482	977	2386	939	2298	905
936	Avocado Green-VY DK	1700	669	1635	643	1574	619
937	Avocado Green-MD	480	189	462	181	445	175

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938	Coffee Brown-UL DK	1151	453	1107	435	1066	419
950	Desert Sand-LT	99	39	96	37	92	36
951	Tawny-LT	4	1	4	1	4	1
961	Dusty Rose-DK	16	6	15	6	15	5
963	Dusty Rose-UL VY LT	89	35	85	33	82	32
975	Golden Brown-DK	71	27	68	26	65	25
977	Golden Brown-LT	12	4	11	4	11	4
989	Forest Green	27	10	26	10	25	9
3011	Khaki Green-DK	546	215	525	206	506	199
3012	Khaki Green-MD	330	130	318	125	306	120
3013	Khaki Green-LT	107	42	102	40	99	39
3021	Brown Gray-VY DK	1566	616	1506	593	1450	571
3022	Brown Gray-MD	42	16	40	15	39	15
3023	Brown Gray-LT	30	12	29	11	28	11
3024	Brown Gray-VY LT	12	4	11	4	11	4
3031	Mocha Brown-VY DK	2044	804	1965	773	1893	745
3032	Mocha Brown-MD	116	45	111	44	107	42
3045	Yellow Beige-DK	128	50	123	48	119	47
3051	Green Gray-DK	1260	495	1212	476	1167	459
3052	Green Gray-MD	108	42	104	41	100	39
3053	Green Gray	76	30	73	28	70	27
3064	Desert Sand	38	14	37	14	35	13
3072	Beaver Gray-VY LT	73	29	71	28	68	27
3328	Salmon-DK	22	8	21	8	20	7
3345	Hunter Green-DK	60	23	57	22	55	21
3346	Hunter Green	376	148	361	142	348	137
3347	Yellow Green-MD	183	72	176	69	169	67
3348	Yellow Green-LT	55	21	53	20	51	19
3350	Dusty Rose-UL DK	71	27	68	26	65	25
3354	Dusty Rose-LT	45	17	43	17	41	16
3362	Pine Green-DK	457	180	440	173	423	167
3363	Pine Green-MD	75	29	72	28	69	27
3364	Pine Green	220	86	212	83	204	80
3371	Black Brown	458	180	440	173	424	167
3687	Mauve	27	10	26	10	25	9
3688	Mauve-MD	127	50	122	48	117	46
3689	Mauve-LT	179	71	172	68	166	65
3713	Salmon-VY LT	55	21	53	20	51	19
3721	Shell Pink-DK	94	37	90	35	87	34
3722	Shell Pink-MD	119	46	114	44	110	43
3726	Antique Mauve-DK	21	8	20	8	19	7
3727	Antique Mauve-LT	184	72	177	69	170	67
3731	Dusty Rose-VY DK	114	45	109	43	105	41
3733	Dusty Rose	89	35	85	33	82	32
3743	Antique Violet-VY LT	73	28	70	27	67	26
3746	Blue Violet-DK	6	2	6	2	5	2
3750	Antique Blue-VY DK	8	3	8	3	7	3
3768	Gray Green-DK	126	49	121	47	117	45
3772	Desert Sand-VY DK	166	65	159	62	153	60
3776	Mahogany-LT	17	6	17	6	16	6
3777	Terra Cotta-VY DK	107	42	103	40	99	39
3778	Terra Cotta-LT	45	17	43	17	41	16
3779	Terra Cotta-UL VY LT	17	6	17	6	16	6
3781	Mocha Brown-DK	739	290	710	279	684	269
3782	Mocha Brown-LT	90	35	87	34	83	33
3787	Brown Gray-DK	209	82	201	79	193	76
3790	Beige Gray-UL DK	138	54	133	52	128	50
3799	Pewter Gray-VY DK	366	144	352	138	339	133
3807	Cornflower Blue	24	9	23	8	22	8

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3809	Turquoise-VY DK	31	12	30	11	29	11
3820	Straw-DK	6	2	6	2	6	2
3826	Golden Brown	44	17	42	17	41	16
3828	Hazelnut Brown	75	29	72	28	69	27
3829	Old Gold-VY DK	53	21	51	20	49	19
3831	Raspberry-DK	71	27	68	26	65	25
3834	Grape-DK	14	5	14	5	13	5
3852	Straw-VY DK	9	4	9	3	9	3
3856	Mahogany-UL VY LT	6	2	6	2	6	2
3857	Rosewood-DK	9	3	8	3	8	3
3859	Rosewood-LT	146	57	141	55	135	53
3861	Cocoa-LT	78	30	75	29	73	28
3862	Mocha Beige-DK	178	70	171	67	165	65
3863	Mocha Beige-MD	150	58	144	56	139	54
3864	Mocha Beige-LT	282	111	271	107	261	103
3865	Winter White	10	4	10	3	9	3
3866	Mocha Brown-UL VY LT	127	50	123	48	118	46

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
221	Shell Pink-VY DK	21	8	19	7	18	7
223	Shell Pink-LT	120	47	112	44	105	41
224	Shell Pink-VY LT	96	37	89	35	84	33
225	Shell Pink-UL VY LT	89	35	83	32	78	30
300	Mahogany-VY DK	35	14	32	13	30	12
304	Christmas Red-MD	143	56	133	52	125	49
310	Black	463	182	432	170	405	159
312	Baby Blue-VY DK	3	1	3	1	3	1
316	Antique Mauve-MD	43	17	40	16	38	15
317	Pewter Gray	170	66	158	62	149	58
318	Steel Gray-LT	8	3	7	2	7	2
321	Christmas Red	103	40	96	37	90	35
326	Rose-VY DK	134	53	125	49	118	46
327	Violet-VY DK	16	6	15	5	14	5
336	Navy Blue	5	2	5	2	5	2
347	Salmon-VY DK	25	10	23	9	22	8
355	Terra Cotta-DK	54	21	50	20	47	19
356	Terra Cotta-MD	71	28	66	26	62	24
370	Mustard-MD	122	48	114	44	107	42
371	Mustard	203	80	190	74	178	70
372	Mustard-LT	323	127	301	118	282	111
400	Mahogany-DK	35	14	32	13	30	12
407	Desert Sand-DK	177	69	166	65	155	61
414	Steel Gray-DK	24	9	22	8	21	8
420	Hazelnut Brown-DK	155	60	145	56	136	53
433	Brown-MD	105	41	98	38	92	36
434	Brown-LT	86	33	80	31	75	29
435	Brown-VY LT	47	18	44	17	41	16
436	Tan	17	6	16	6	15	6
437	Tan-LT	40	15	37	14	35	14
451	Shell Gray-DK	19	7	17	7	16	6
452	Shell Gray-MD	131	51	122	47	114	44
453	Shell Gray-LT	145	57	136	53	127	50
469	Avocado Green	170	67	159	62	149	59
470	Avocado Green-LT	159	62	148	58	139	55

471	Avocado Green-VY LT	191	75	178	70	167	65
498	Christmas Red-DK	245	96	229	90	214	84
500	Blue Green-VY DK	752	296	701	276	658	259
520	Fern Green-DK	211	83	197	77	185	73
523	Fern Green-LT	21	8	19	7	18	7
535	Ash Gray-VY LT	55	21	52	20	48	19
543	Beige Brown-UL VY LT	78	30	73	28	68	26
550	Violet-VY DK	19	7	17	7	16	6
552	Violet-MD	6	2	6	2	6	2
580	Moss Green-DK	377	148	352	138	330	129
581	Moss Green	274	107	256	100	240	94
600	Cranberry-VY DK	60	24	56	22	53	21
601	Cranberry-DK	24	9	23	8	21	8
610	Drab Brown-DK	253	100	236	93	222	87
611	Drab Brown	276	109	258	101	242	95
612	Drab Brown-LT	259	102	242	95	227	89
613	Drab Brown-VY LT	23	8	21	8	20	7
632	Desert Sand-UL VY DK	85	33	79	31	74	29
640	Beige Gray-VY DK	81	32	76	29	71	28
642	Beige Gray-DK	26	10	25	10	23	9
644	Beige Gray-MD	27	10	25	10	24	9
646	Beaver Gray-DK	36	14	34	13	32	12
647	Beaver Gray-MD	29	11	27	10	25	10
648	Beaver Gray-LT	55	21	51	20	48	19
712	Cream	17	6	16	6	15	6
730	Olive Green-VY DK	384	151	358	141	336	132
732	Olive Green	195	77	182	71	170	67
733	Olive Green-MD	57	22	53	20	50	19
734	Olive Green-LT	23	9	22	8	20	8
738	Tan-VY LT	60	24	56	22	53	21
739	Tan-UL VY LT	7	3	7	2	6	2
754	Peach-LT	5	2	5	2	5	2
758	Terra Cotta-VY LT	51	20	47	19	44	17
778	Antique Mauve-VY LT	157	62	146	58	137	54
782	Topaz-DK	10	3	9	3	8	3
783	Topaz-MD	12	5	11	4	10	4
792	Cornflower Blue-DK	15	6	14	5	13	5
793	Cornflower Blue-MD	15	6	14	5	13	5
801	Coffee Brown-DK	281	111	262	103	246	97
814	Garnet-DK	107	42	100	39	93	37
815	Garnet-MD	158	62	147	58	138	54
819	Baby Pink-LT	73	28	68	26	64	25
822	Beige Gray-LT	42	16	39	15	37	14
829	Golden Olive-VY DK	356	140	332	131	312	123
830	Golden Olive-DK	264	104	247	97	231	91
831	Golden Olive-MD	143	56	134	52	125	49
832	Golden Olive	82	32	76	30	71	28
833	Golden Olive-LT	10	3	9	3	8	3
834	Golden Olive-VY LT	9	3	8	3	8	3
838	Beige Brown-VY DK	228	89	213	83	200	78
839	Beige Brown-DK	104	41	97	38	91	35
841	Beige Brown-LT	88	34	82	32	77	30
842	Beige Brown-VY LT	100	39	93	37	87	34
844	Beaver Brown-UL DK	112	44	104	41	98	38
869	Hazelnut Brown-VY DK	222	87	207	81	194	76
898	Coffee Brown-VY DK	471	185	439	173	412	162
907	Parrot Green-LT	31	12	29	11	27	10
920	Copper-MD	77	30	72	28	68	26
924	Gray Green--VY DK	134	53	125	49	118	46

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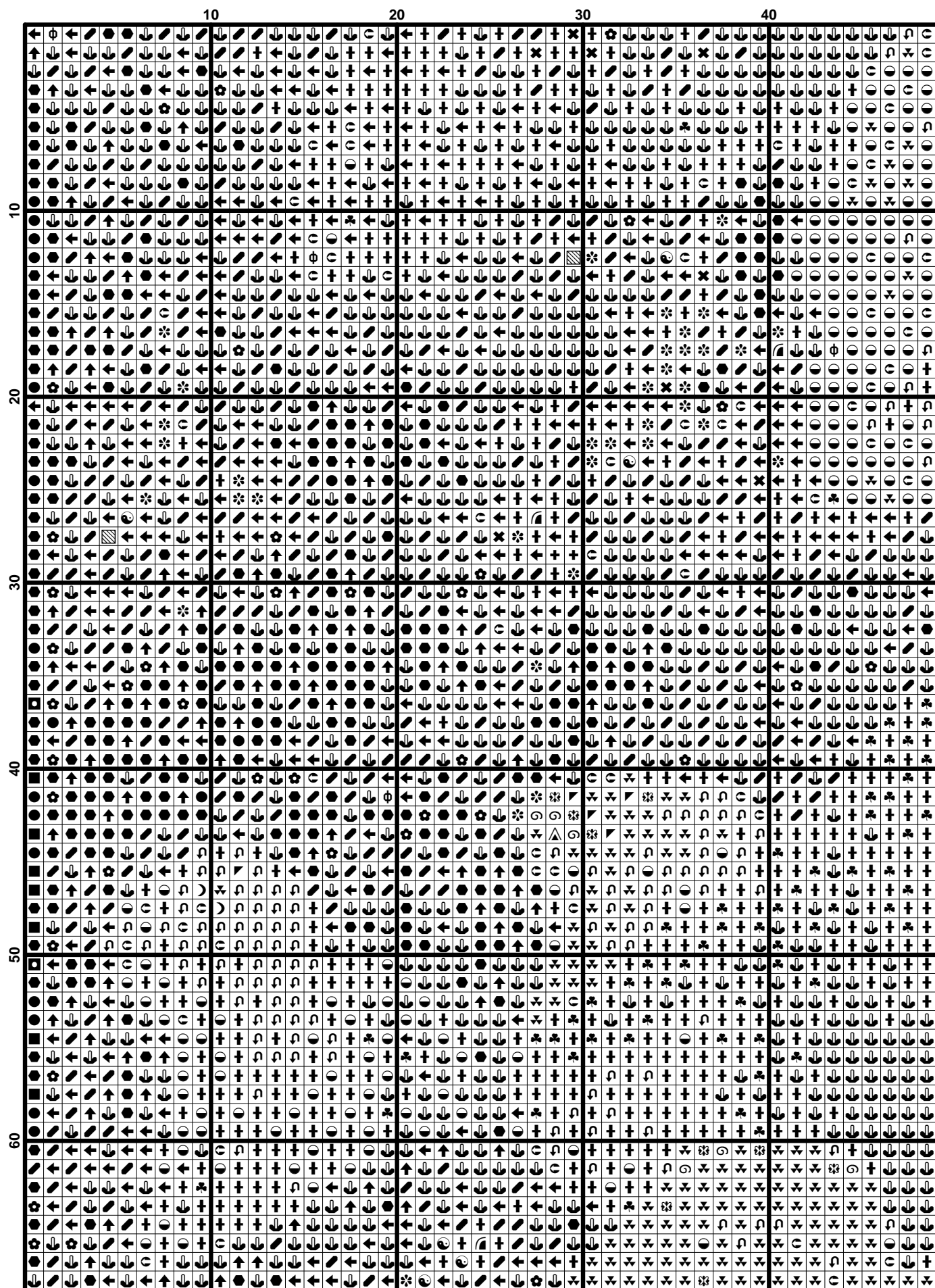
930	Antique Blue-DK	71	28	66	26	62	24
931	Antique Blue-MD	42	16	39	15	37	14
934	Black Avocado Green	2372	933	2213	871	2075	817
935	Avocado Green-DK	2216	872	2068	814	1939	763
936	Avocado Green-VY DK	1518	597	1417	557	1328	523
937	Avocado Green-MD	429	168	400	157	375	147
938	Coffee Brown-UL DK	1028	404	959	377	899	354
950	Desert Sand-LT	89	35	83	32	78	30
951	Tawny-LT	4	1	4	1	3	1
961	Dusty Rose-DK	14	5	13	5	12	5
963	Dusty Rose-UL VY LT	79	31	74	29	69	27
975	Golden Brown-DK	63	24	59	23	55	21
977	Golden Brown-LT	10	4	10	4	9	3
989	Forest Green	24	9	22	8	21	8
3011	Khaki Green-DK	488	192	455	179	427	168
3012	Khaki Green-MD	295	116	275	108	258	101
3013	Khaki Green-LT	95	37	89	35	83	33
3021	Brown Gray-VY DK	1398	550	1305	514	1223	482
3022	Brown Gray-MD	37	14	35	13	33	12
3023	Brown Gray-LT	27	10	25	10	24	9
3024	Brown Gray-VY LT	10	4	10	4	9	3
3031	Mocha Brown-VY DK	1825	718	1703	670	1597	628
3032	Mocha Brown-MD	104	41	97	38	91	35
3045	Yellow Beige-DK	114	45	107	42	100	39
3051	Green Gray-DK	1125	442	1050	413	984	387
3052	Green Gray-MD	96	38	90	35	84	33
3053	Green Gray	68	26	63	25	59	23
3064	Desert Sand	34	13	32	12	30	11
3072	Beaver Gray-VY LT	66	26	61	24	57	23
3328	Salmon-DK	19	7	18	7	17	6
3345	Hunter Green-DK	53	21	50	19	47	18
3346	Hunter Green	336	132	313	123	294	115
3347	Yellow Green-MD	163	64	152	60	143	56
3348	Yellow Green-LT	49	19	46	17	43	16
3350	Dusty Rose-UL DK	63	24	59	23	55	21
3354	Dusty Rose-LT	40	15	37	14	35	14
3362	Pine Green-DK	408	161	381	150	357	141
3363	Pine Green-MD	67	26	62	24	59	23
3364	Pine Green	197	77	184	72	172	68
3371	Black Brown	409	161	382	150	358	141
3687	Mauve	24	9	23	8	21	8
3688	Mauve-MD	113	44	106	41	99	39
3689	Mauve-LT	160	63	149	59	140	55
3713	Salmon-VY LT	49	19	46	17	43	16
3721	Shell Pink-DK	84	33	78	31	73	29
3722	Shell Pink-MD	106	41	99	38	93	36
3726	Antique Mauve-DK	19	7	17	7	16	6
3727	Antique Mauve-LT	164	64	153	60	143	56
3731	Dusty Rose-VY DK	102	40	95	37	89	35
3733	Dusty Rose	79	31	74	29	69	27
3743	Antique Violet-VY LT	65	25	61	23	57	22
3746	Blue Violet-DK	5	2	5	2	5	2
3750	Antique Blue-VY DK	7	3	7	2	6	2
3768	Gray Green-DK	113	44	105	41	98	38
3772	Desert Sand-VY DK	148	58	138	54	129	51
3776	Mahogany-LT	15	6	14	5	14	5
3777	Terra Cotta-VY DK	96	37	89	35	84	33
3778	Terra Cotta-LT	40	15	37	14	35	14
3779	Terra Cotta-UL VY LT	15	6	14	5	14	5

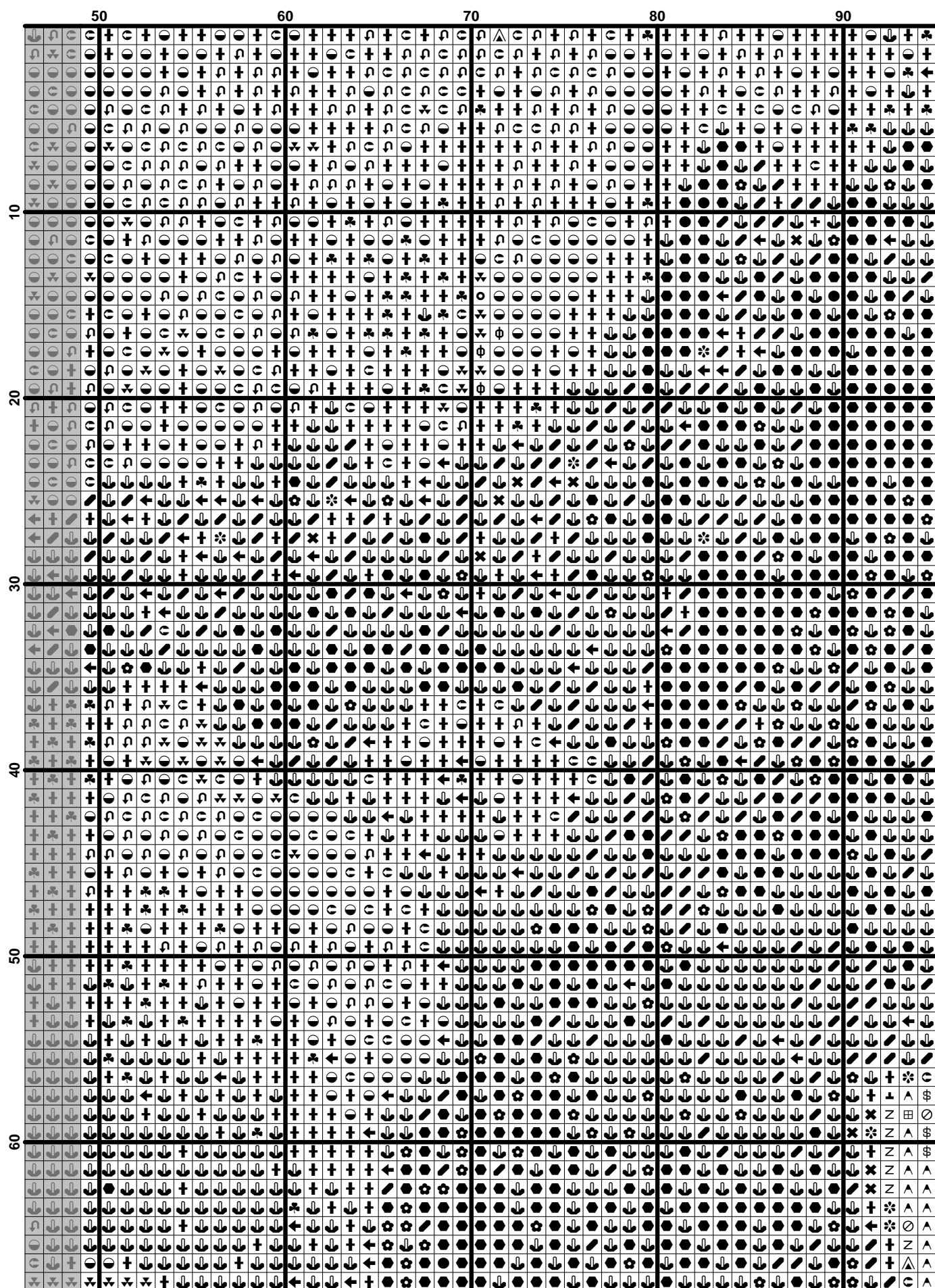
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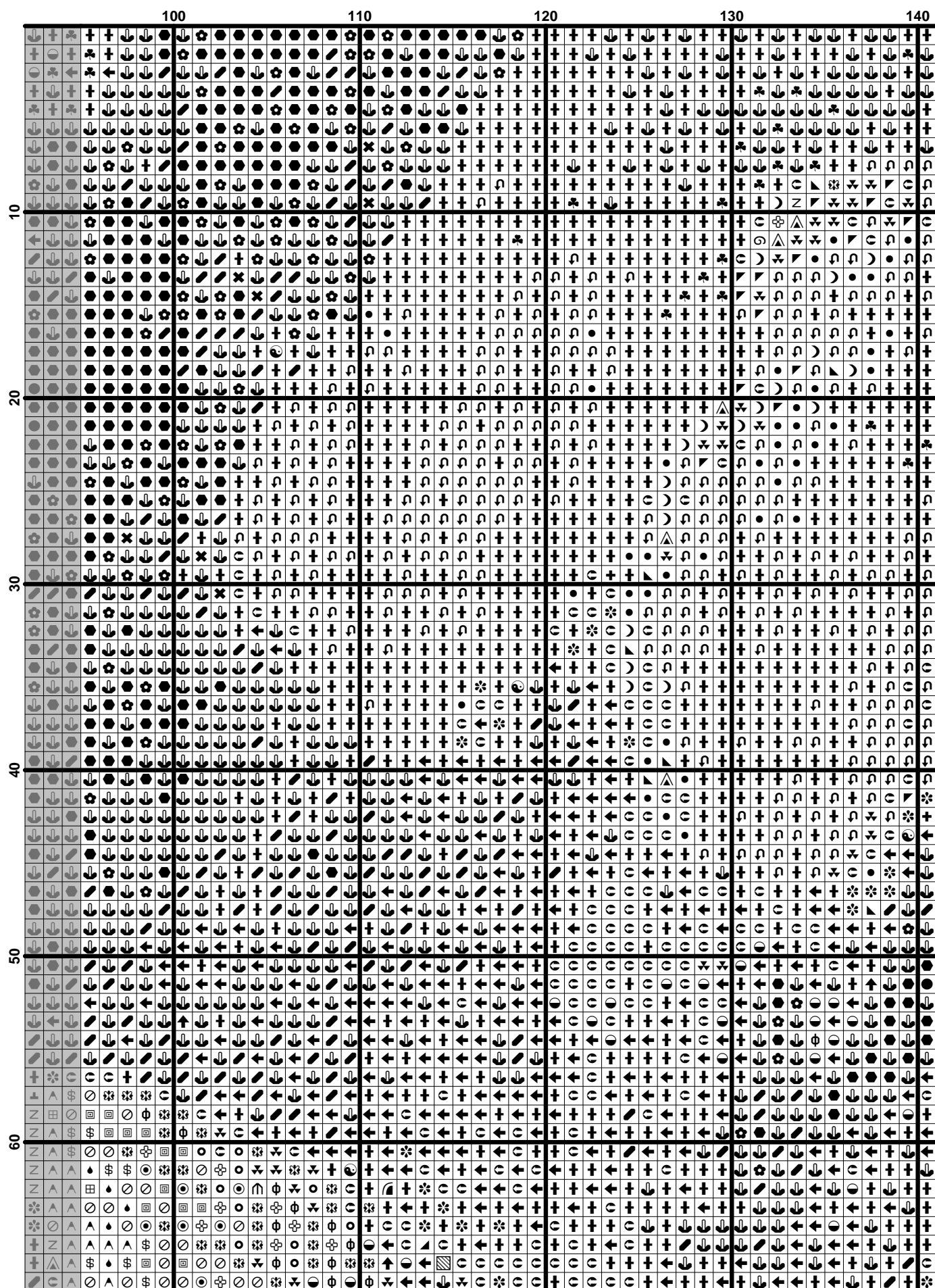
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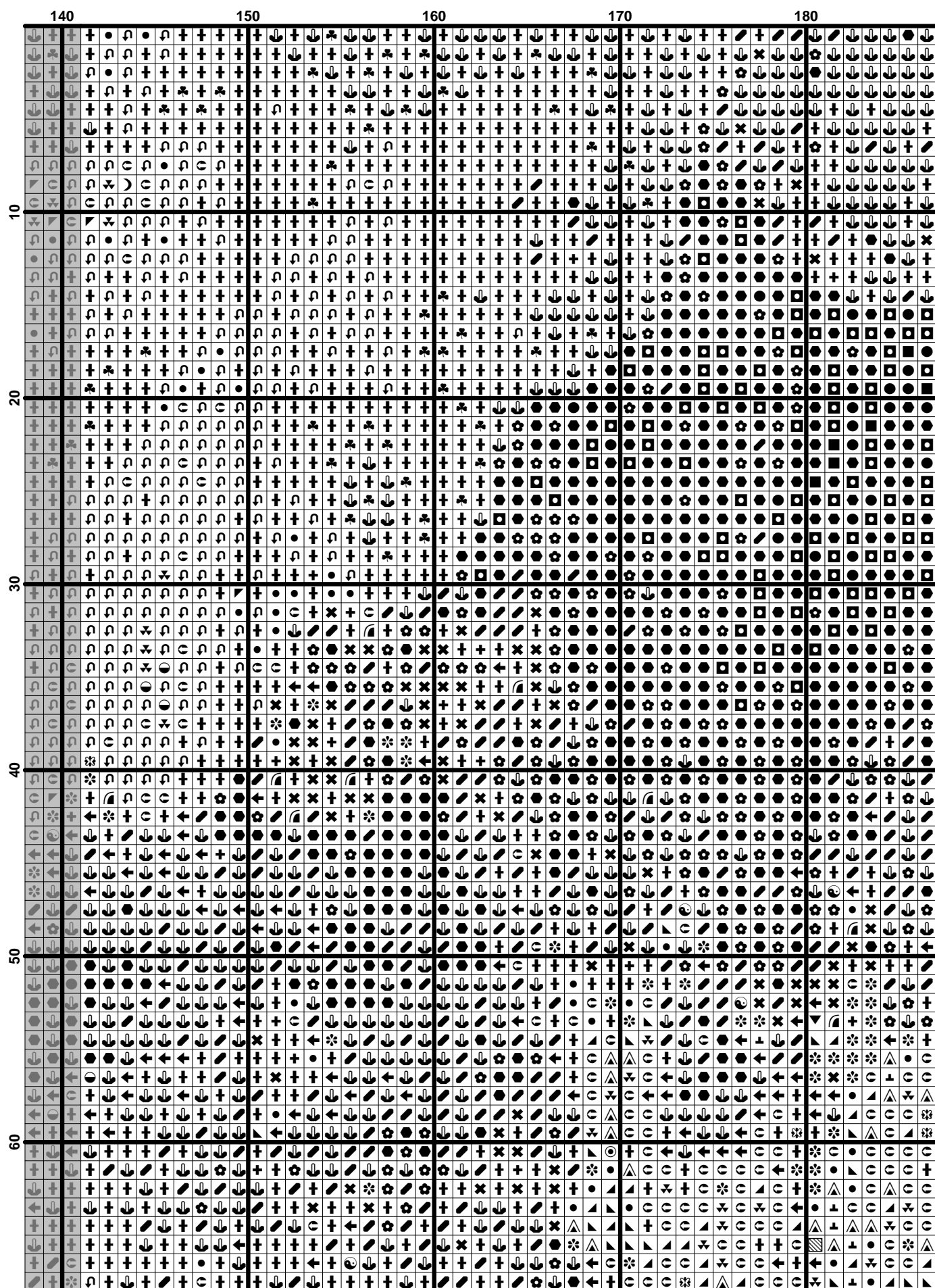
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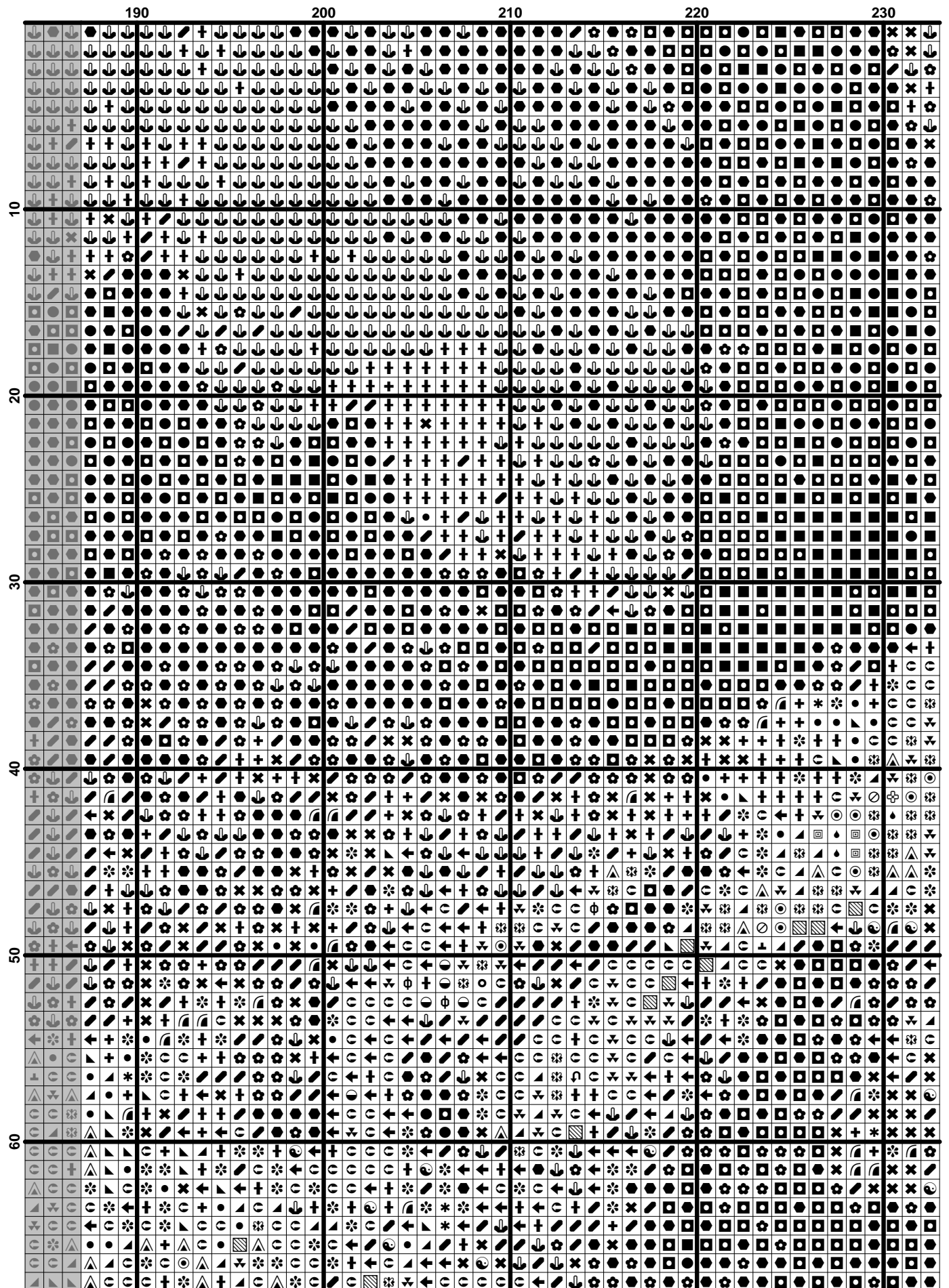
3781	Mocha Brown-DK	660	259	616	242	577	227
3782	Mocha Brown-LT	80	32	75	29	70	28
3787	Brown Gray-DK	186	73	174	68	163	64
3790	Beige Gray-UL DK	123	48	115	45	108	42
3799	Pewter Gray-VY DK	327	129	305	120	286	113
3807	Cornflower Blue	21	8	20	7	19	7
3809	Turquoise-VY DK	28	10	26	10	24	9
3820	Straw-DK	6	2	5	2	5	2
3826	Golden Brown	39	15	37	14	34	14
3828	Hazelnut Brown	67	26	62	24	59	23
3829	Old Gold-VY DK	48	19	44	17	42	16
3831	Raspberry-DK	63	24	59	23	55	21
3834	Grape-DK	13	5	12	4	11	4
3852	Straw-VY DK	8	3	8	3	7	3
3856	Mahogany-UL VY LT	6	2	5	2	5	2
3857	Rosewood-DK	8	3	7	2	7	2
3859	Rosewood-LT	131	51	122	47	114	44
3861	Cocoa-LT	70	27	65	25	61	24
3862	Mocha Beige-DK	159	62	148	58	139	55
3863	Mocha Beige-MD	134	52	125	49	117	46
3864	Mocha Beige-LT	252	99	235	92	221	87
3865	Winter White	9	3	8	3	8	3
3866	Mocha Brown-UL VY LT	114	44	106	41	100	39



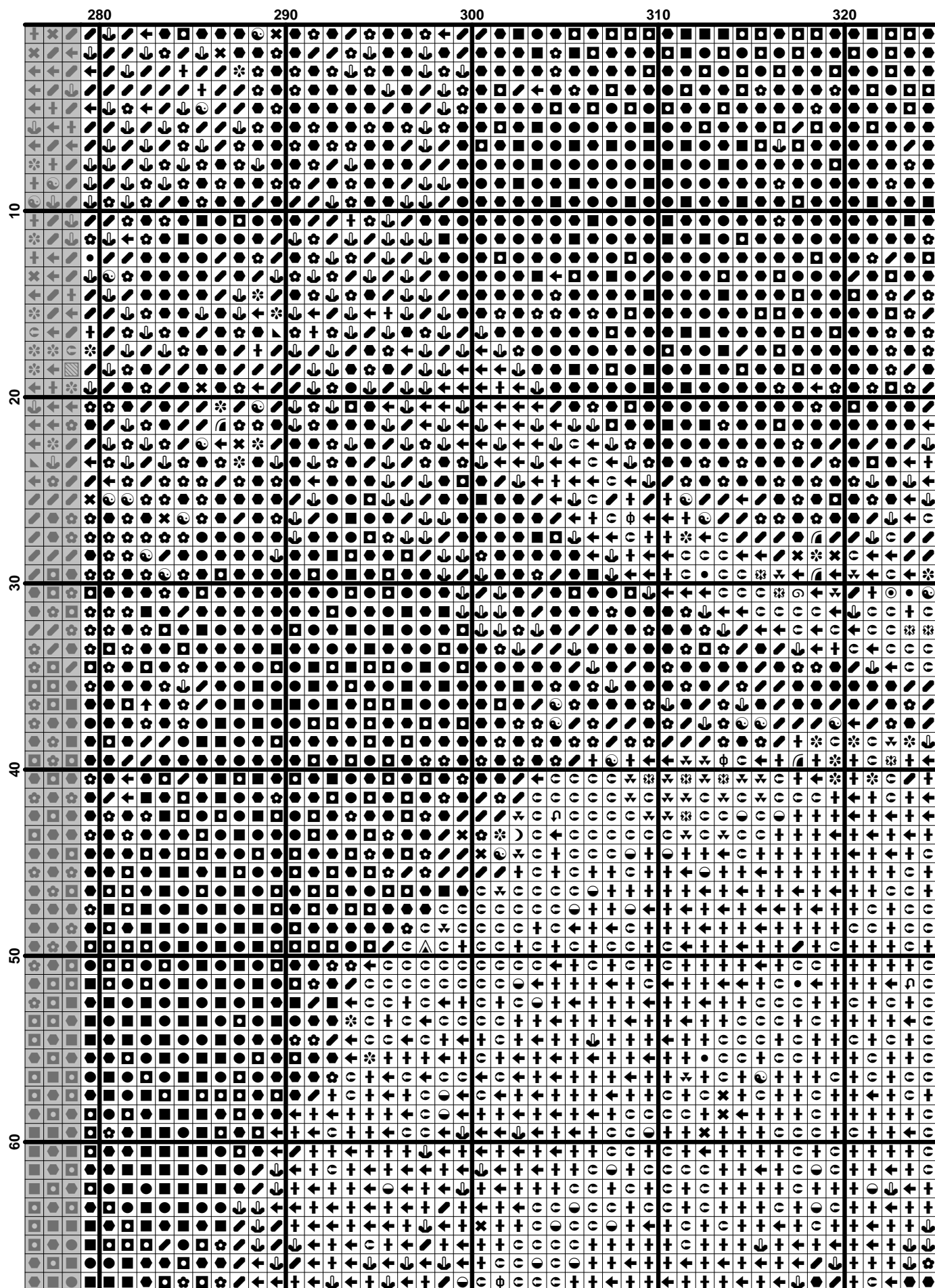




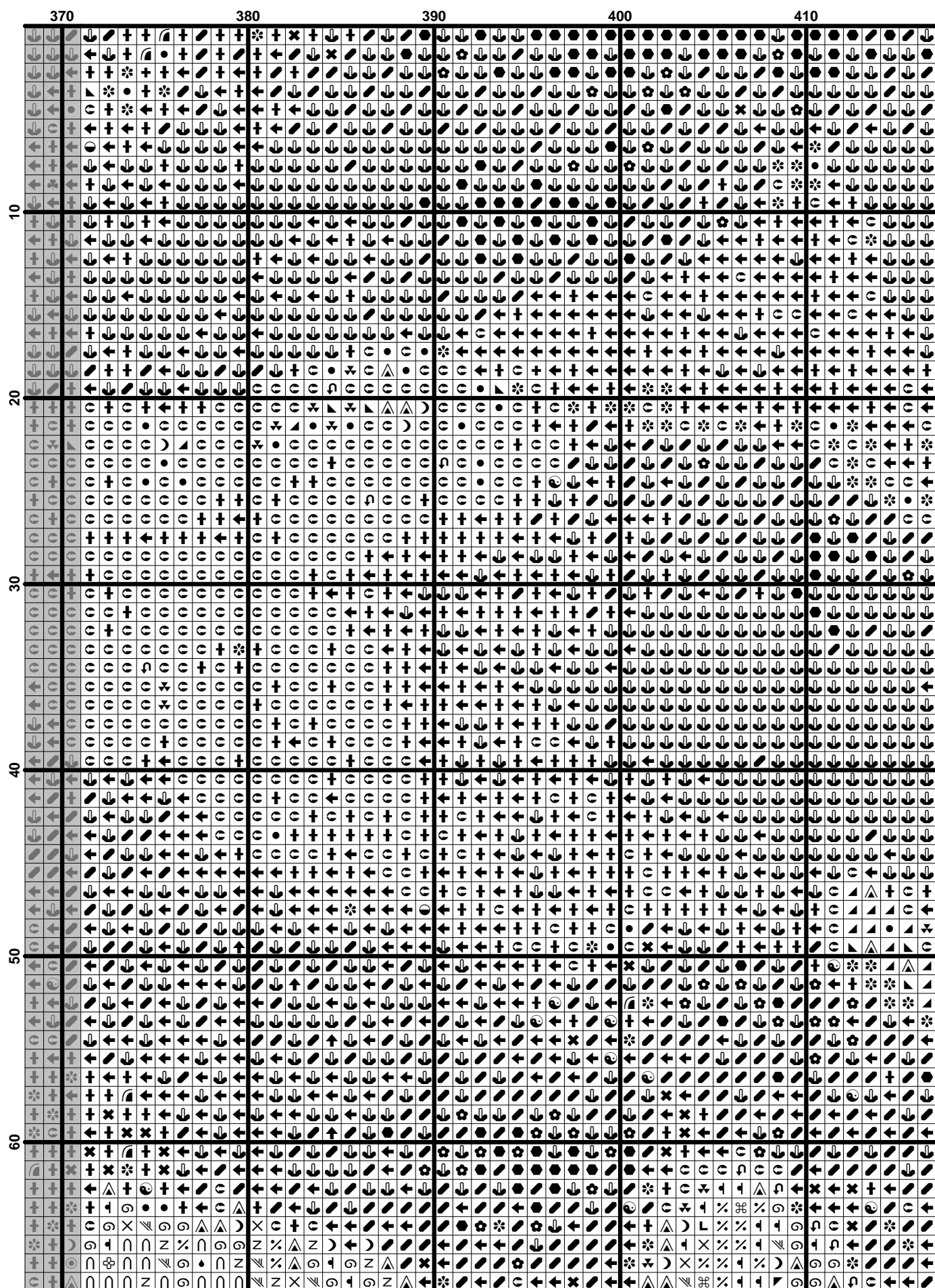


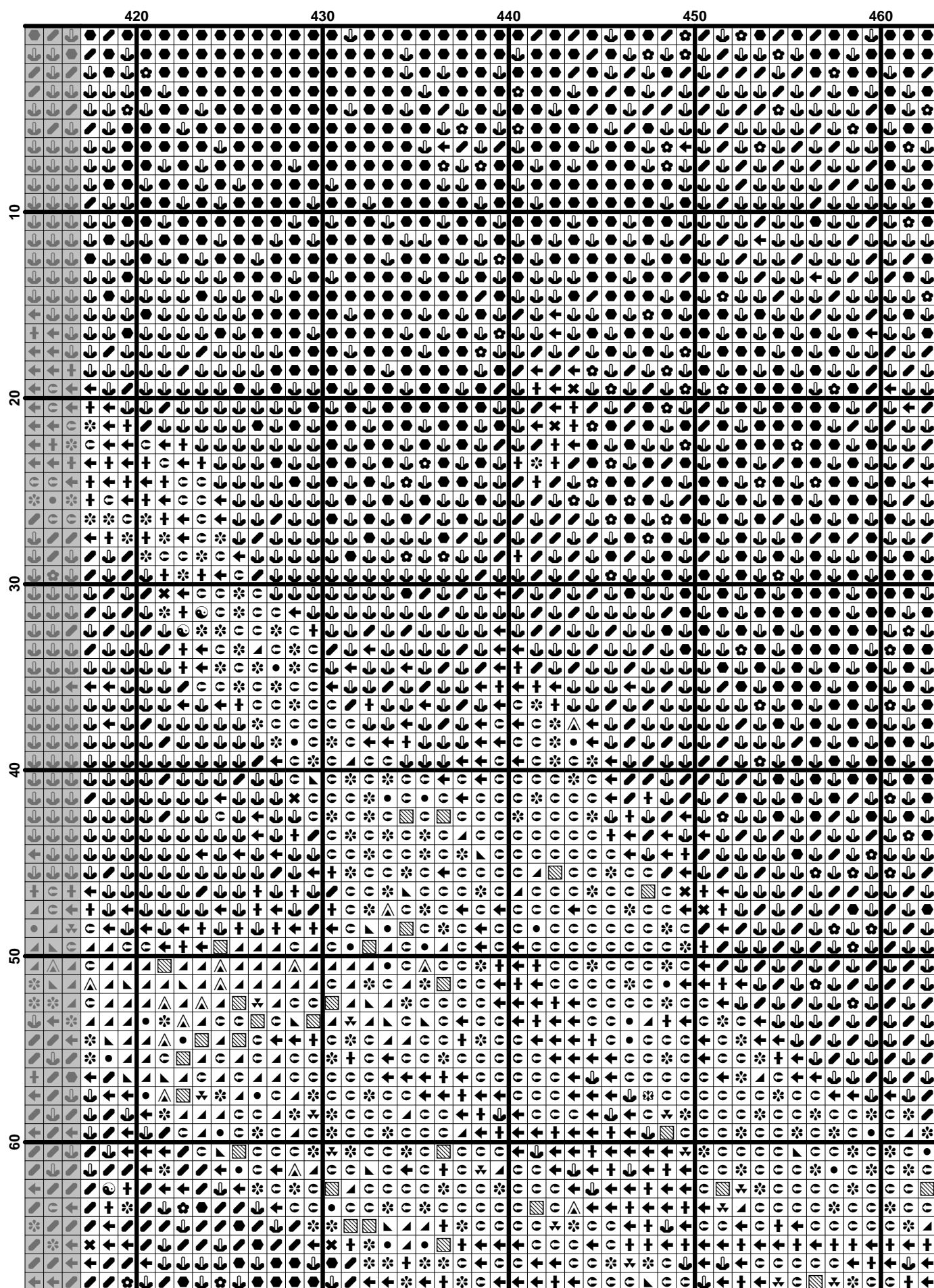


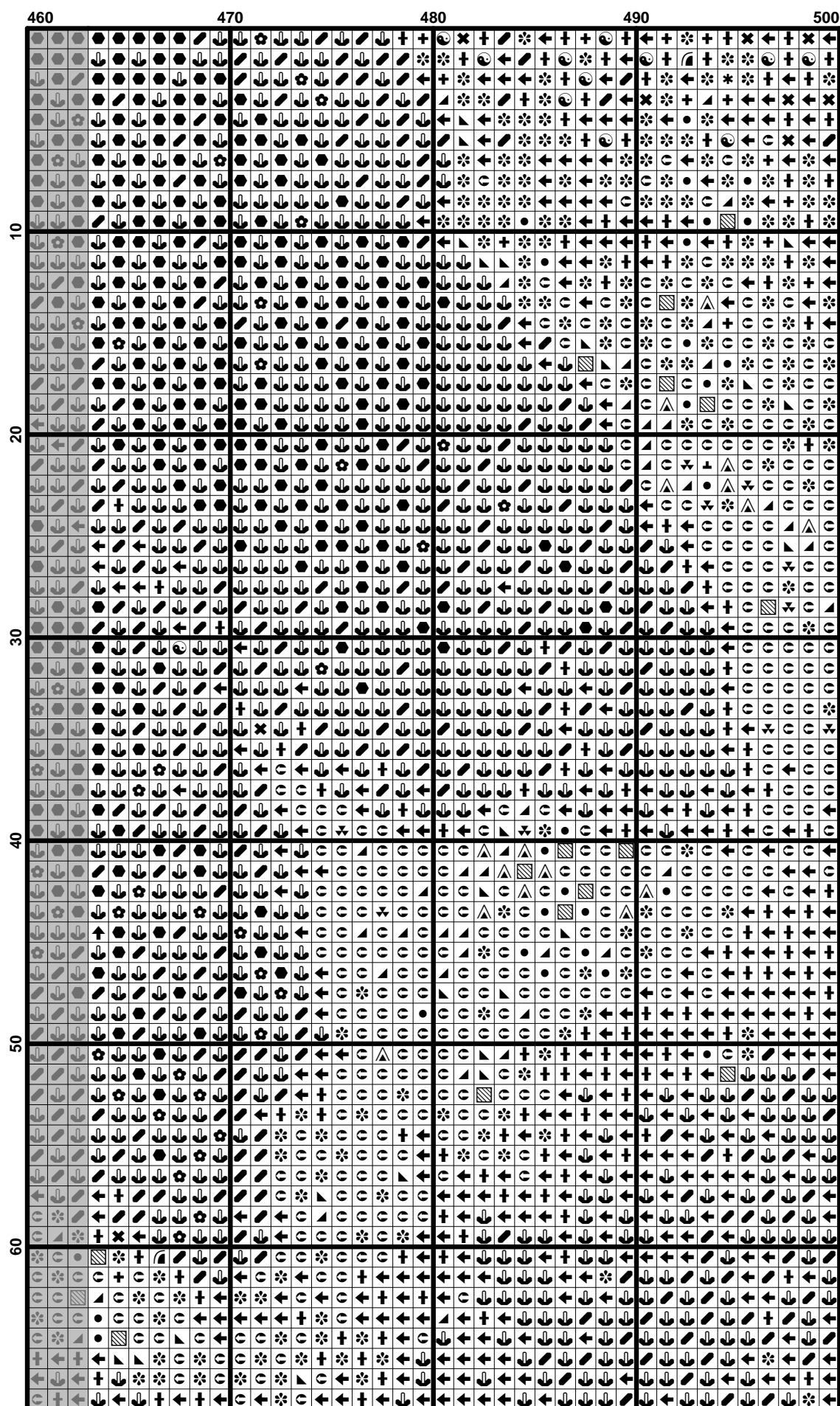


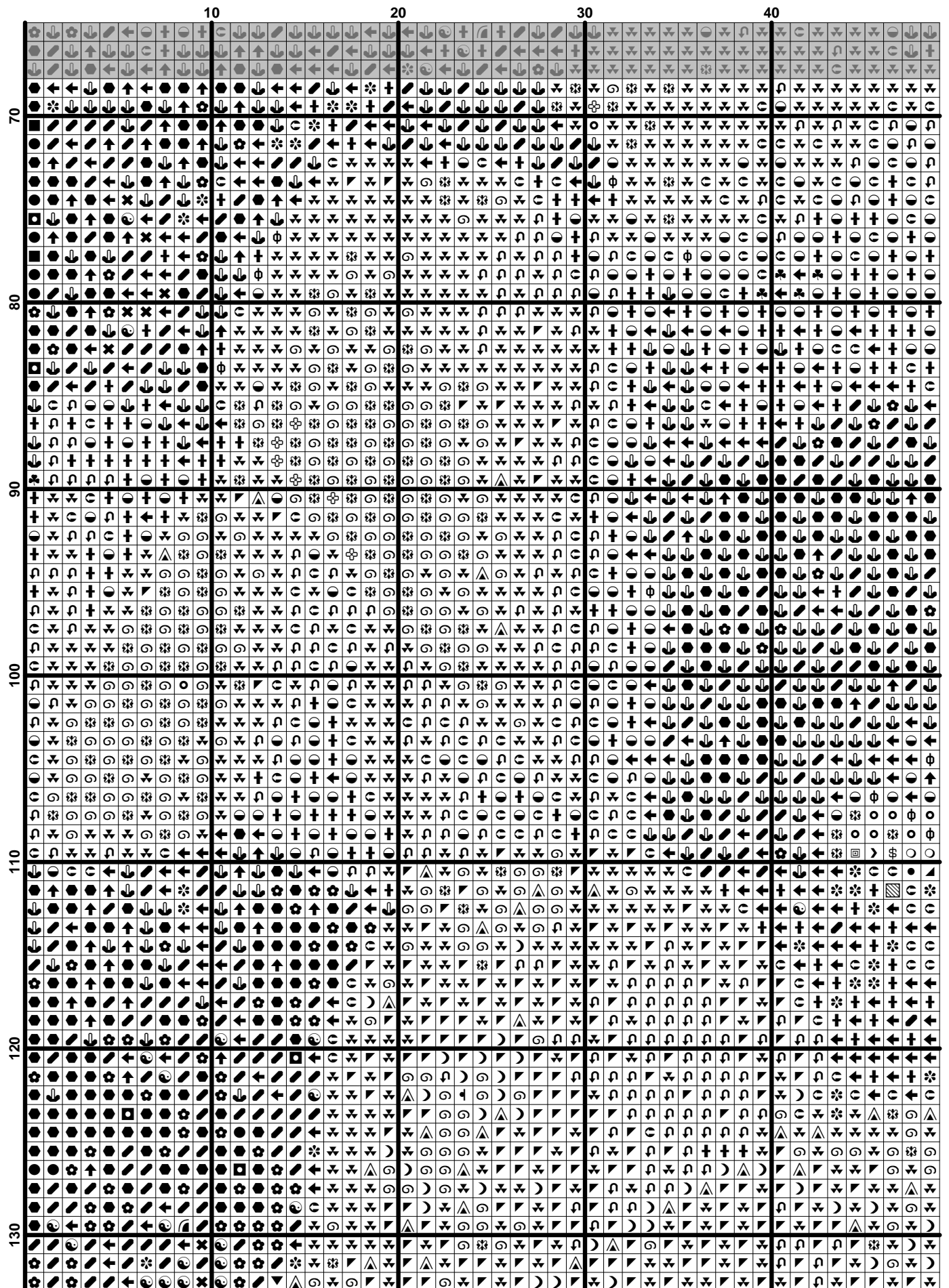


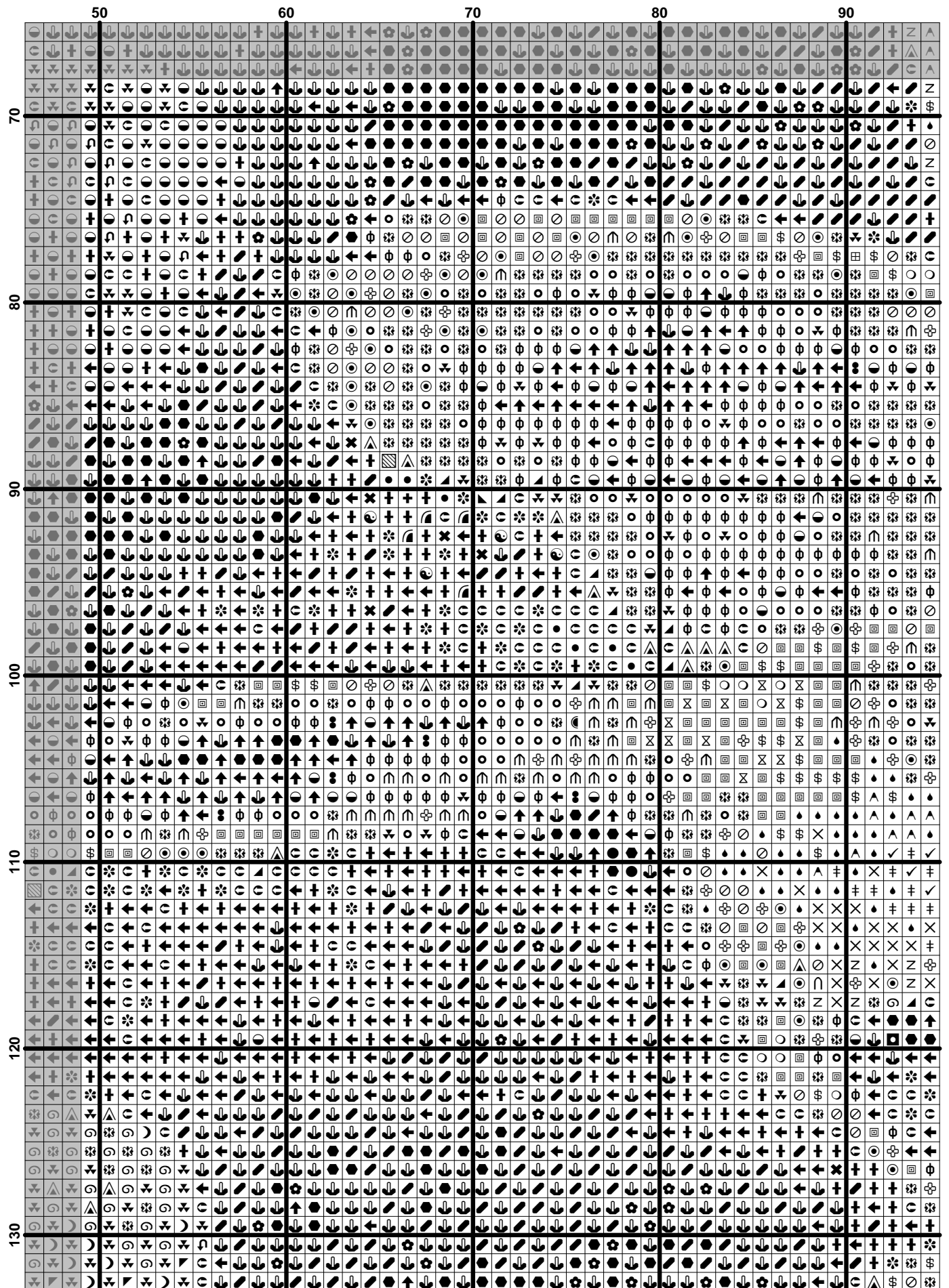








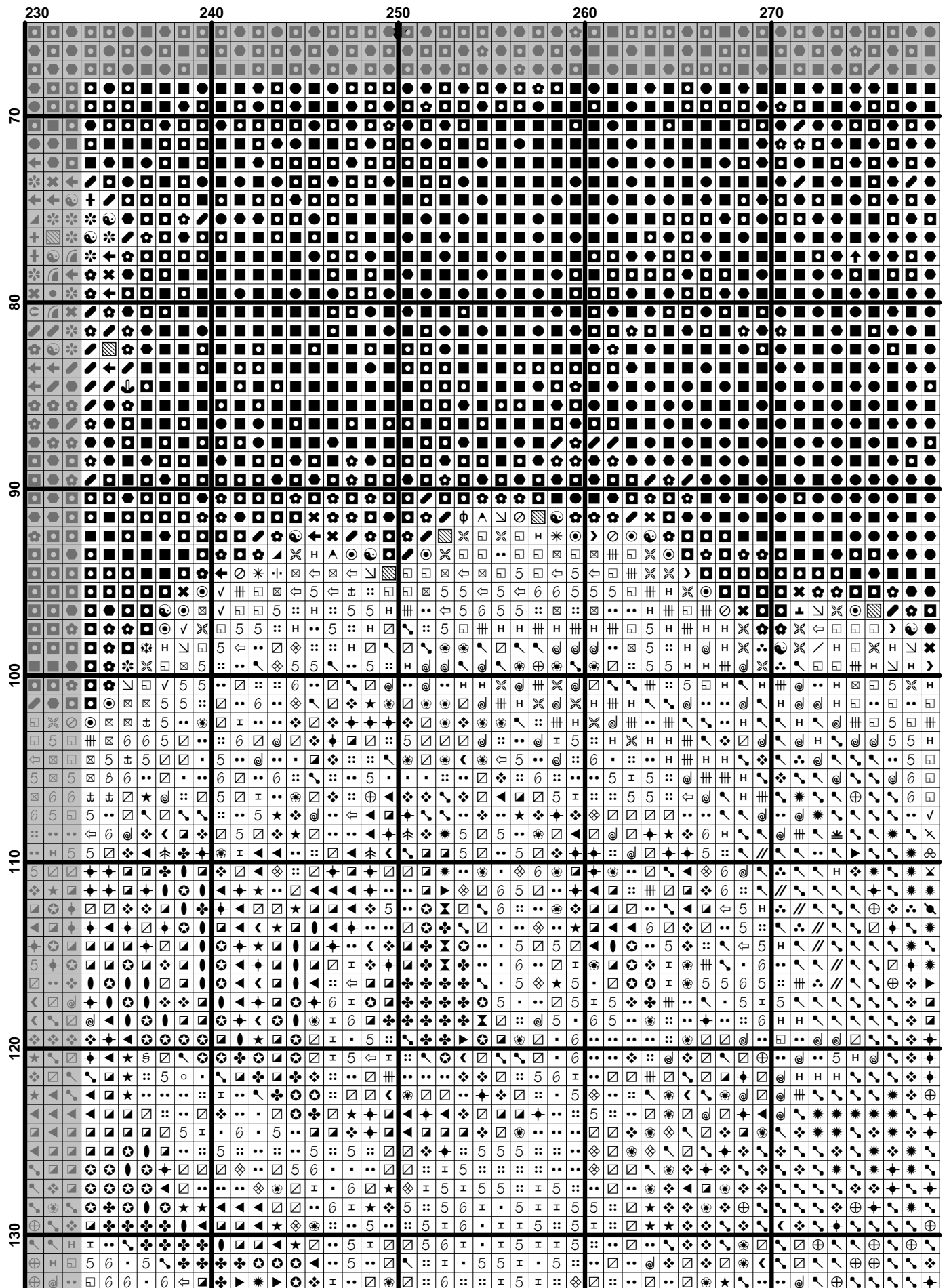


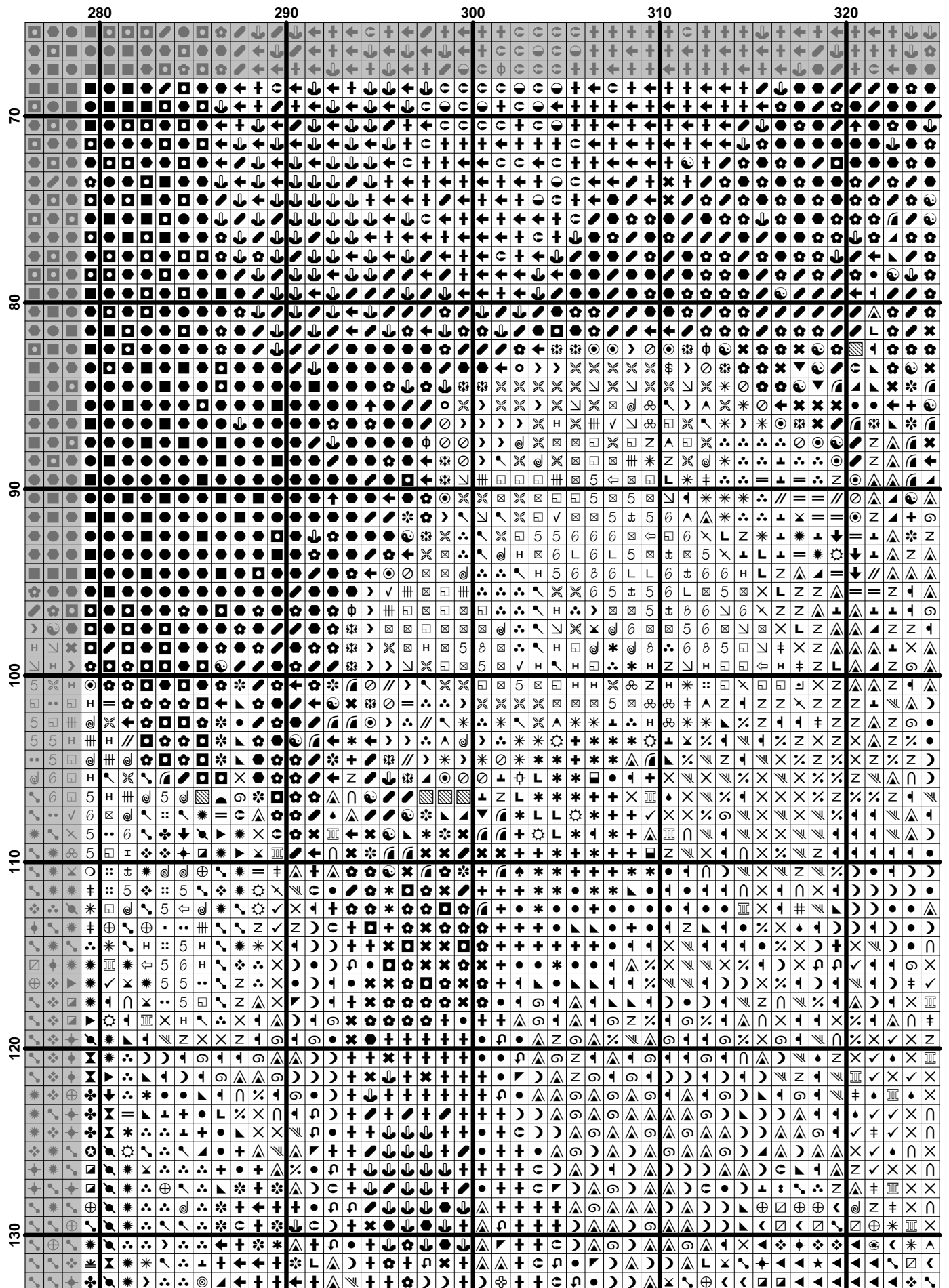


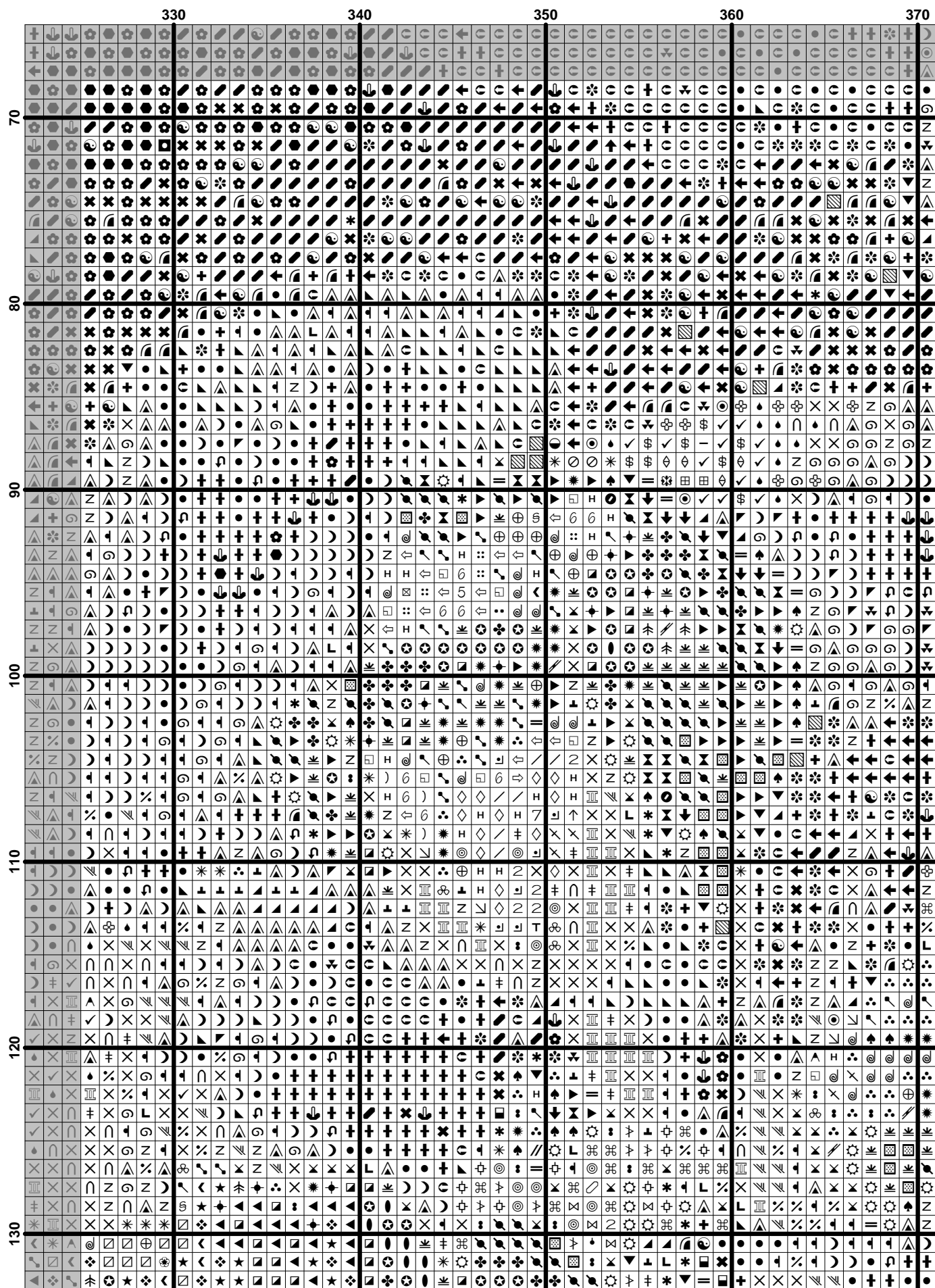
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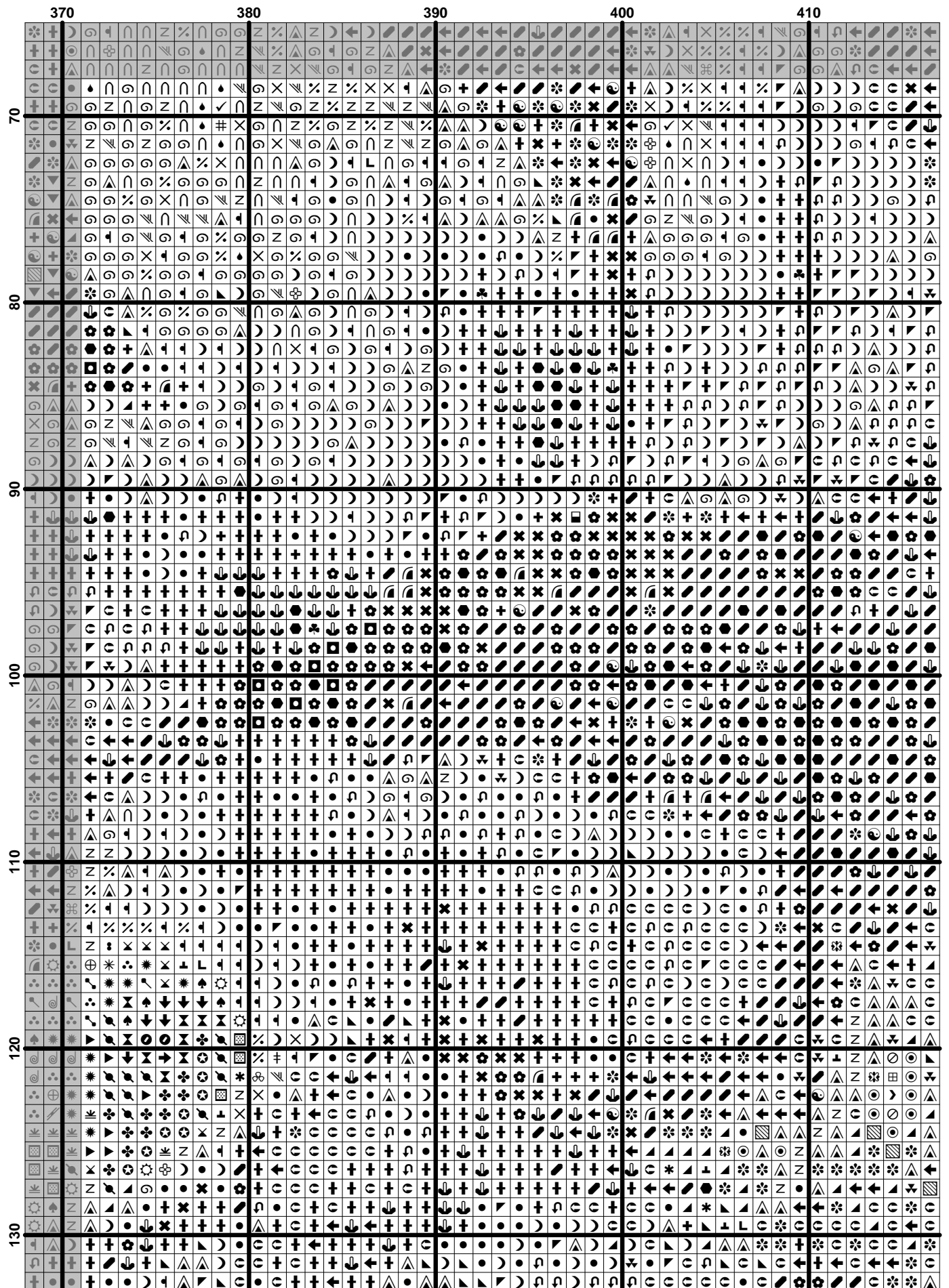


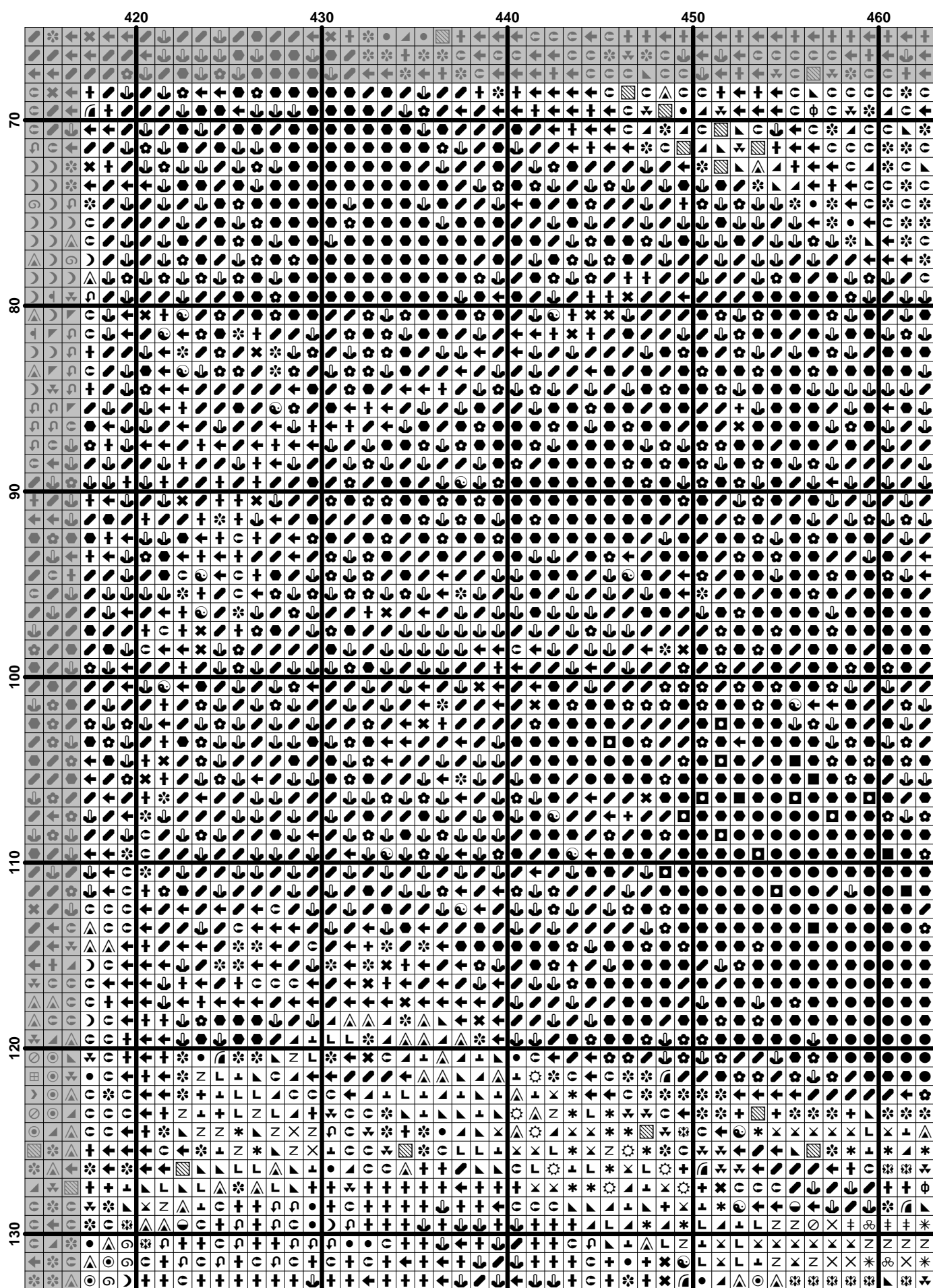
$$(27) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (28)$$

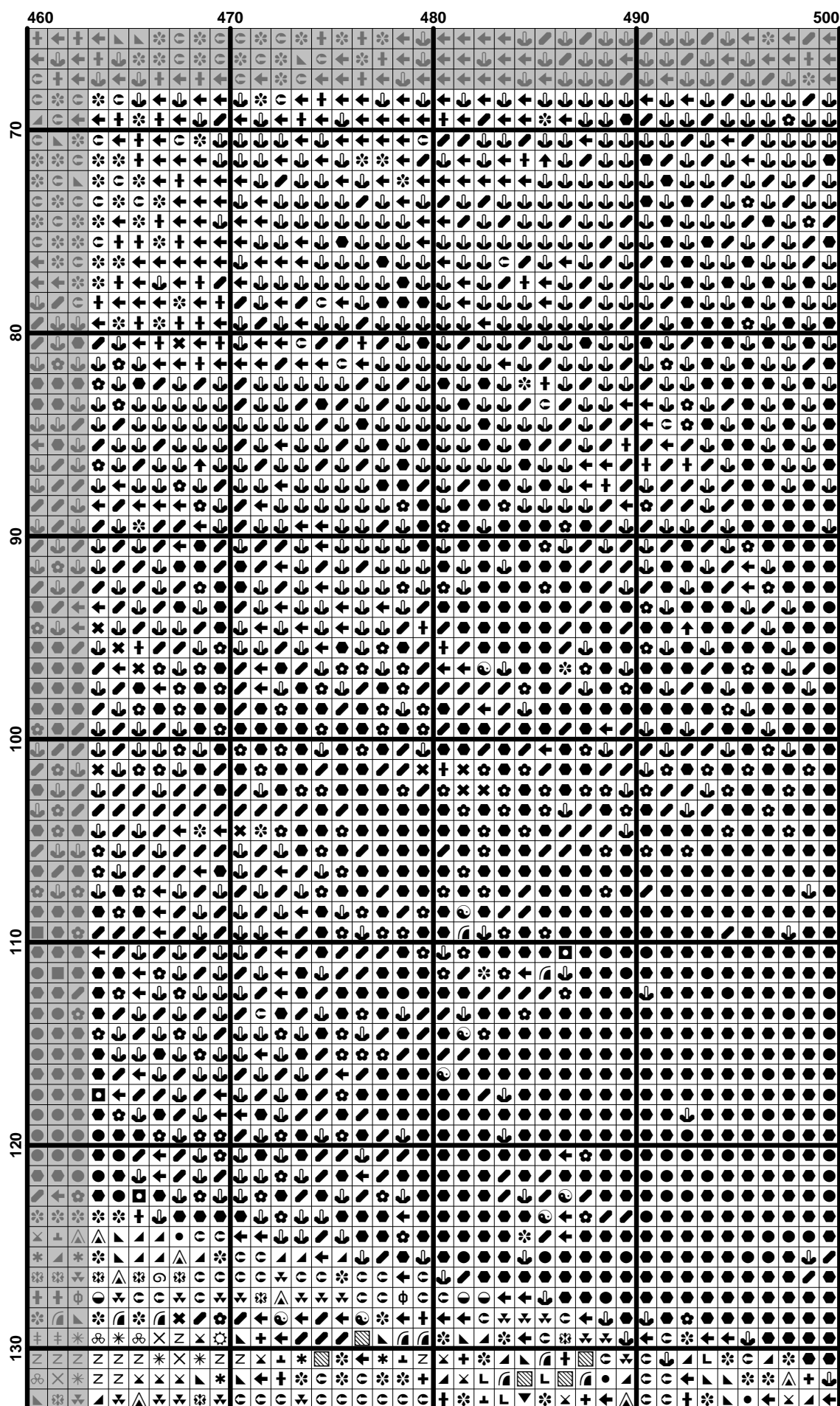


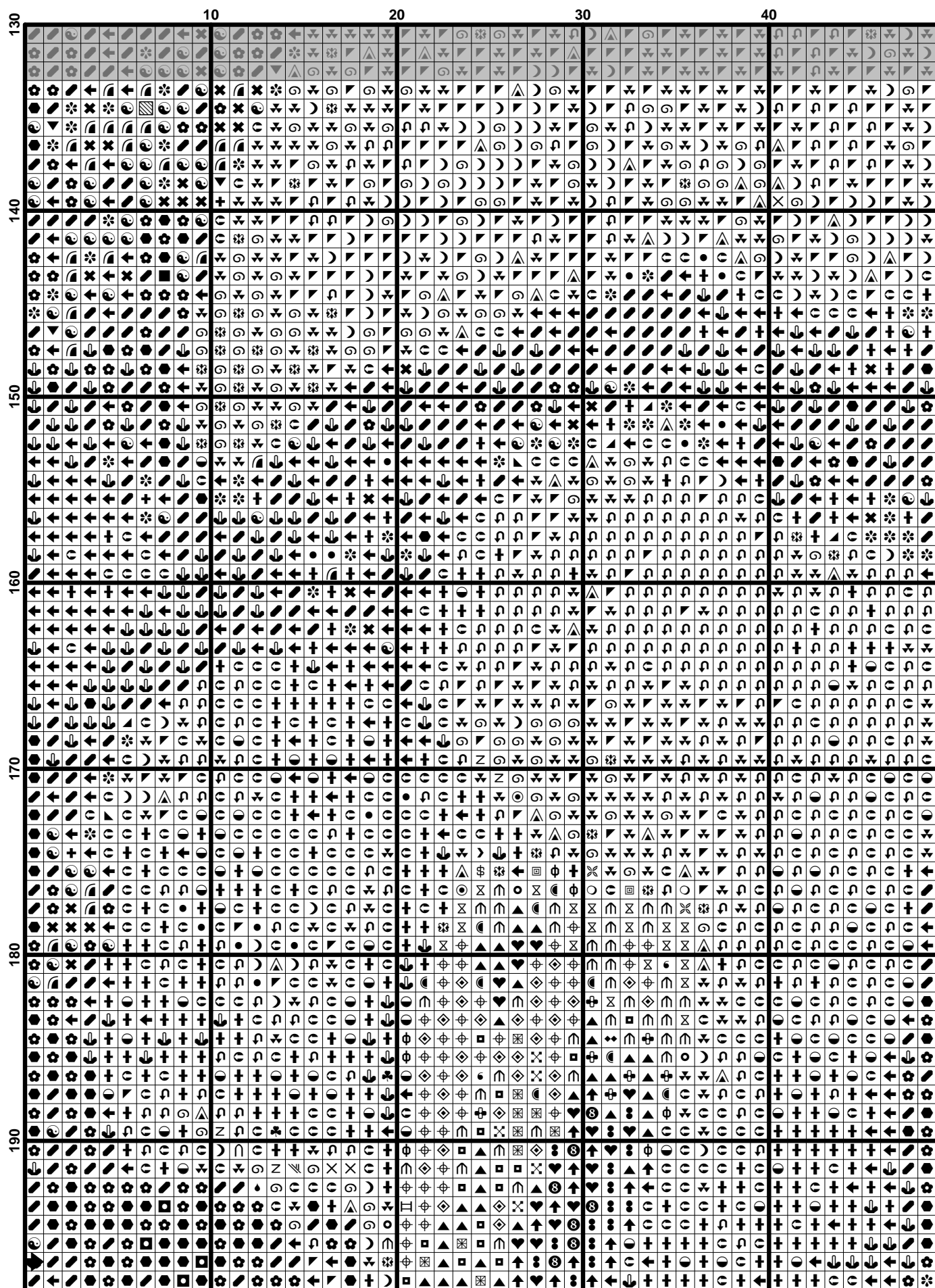


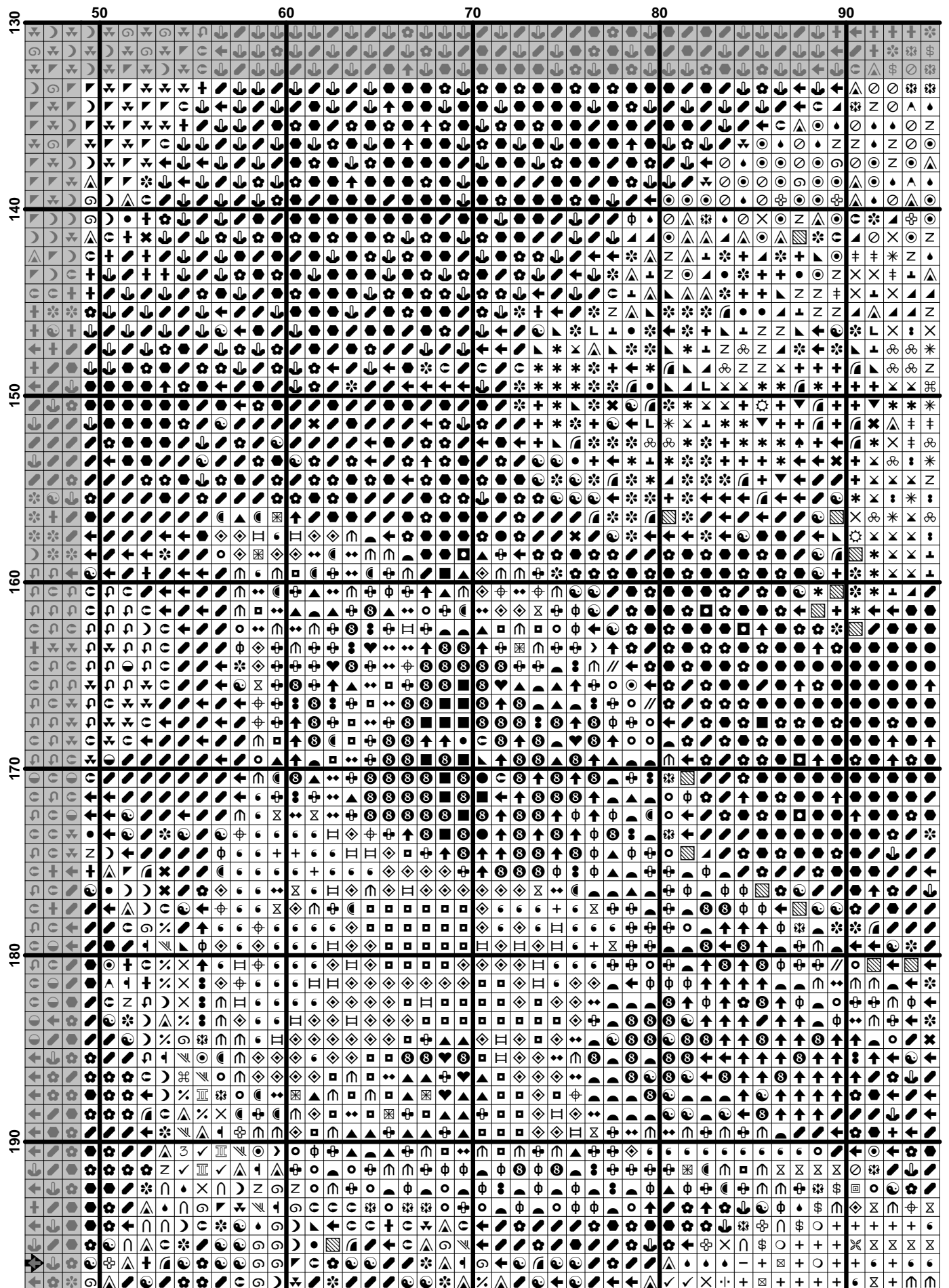


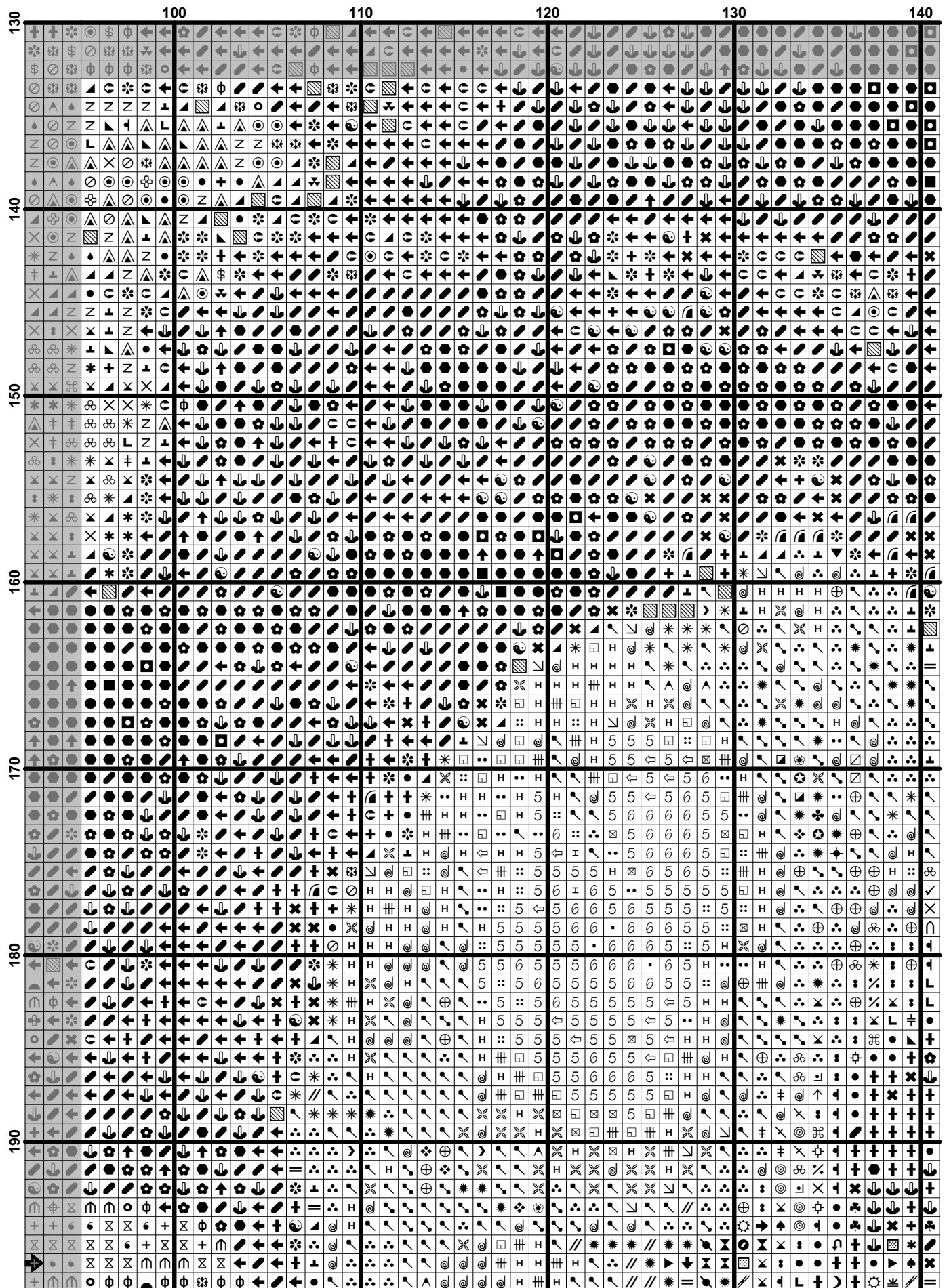






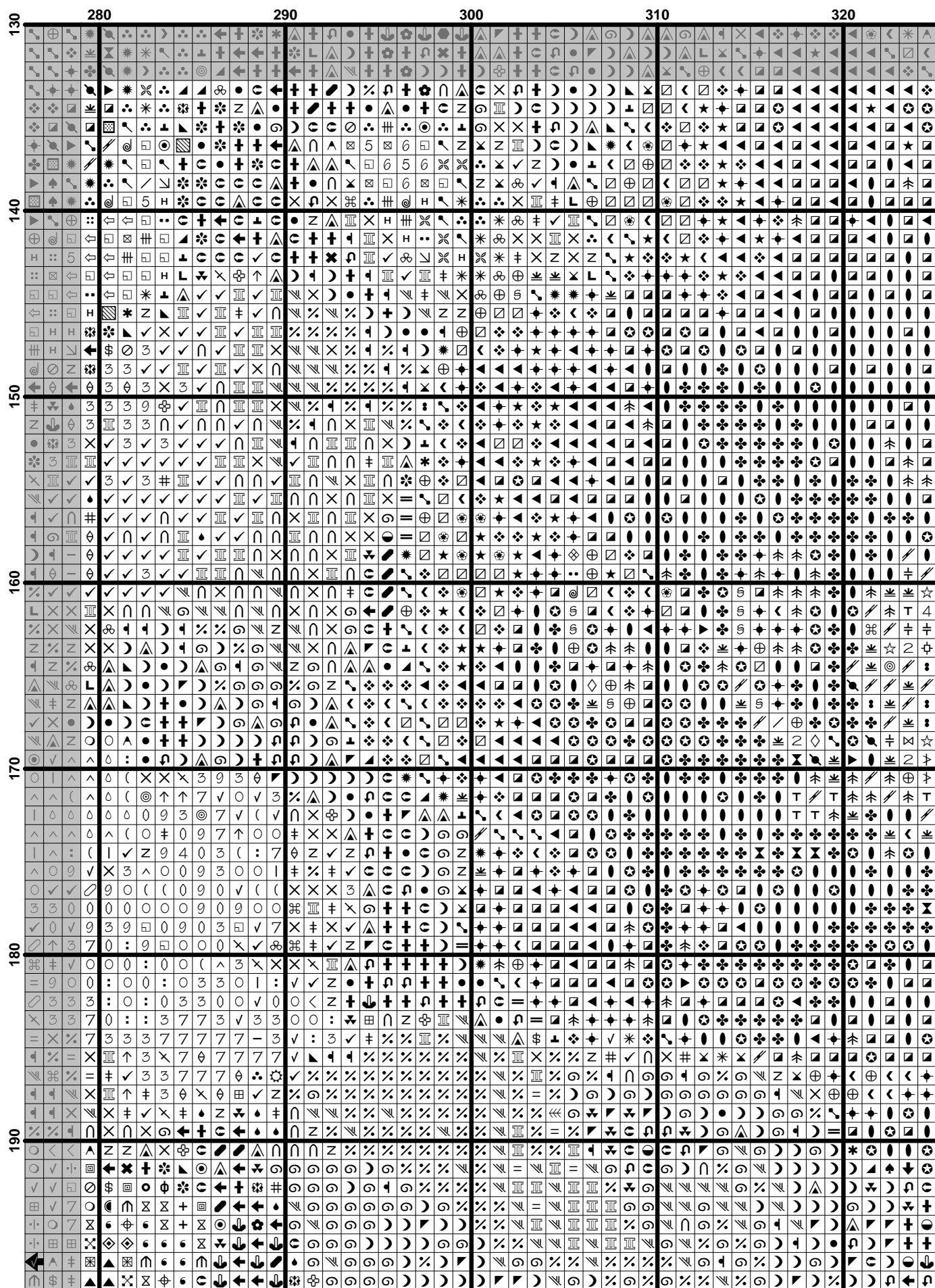


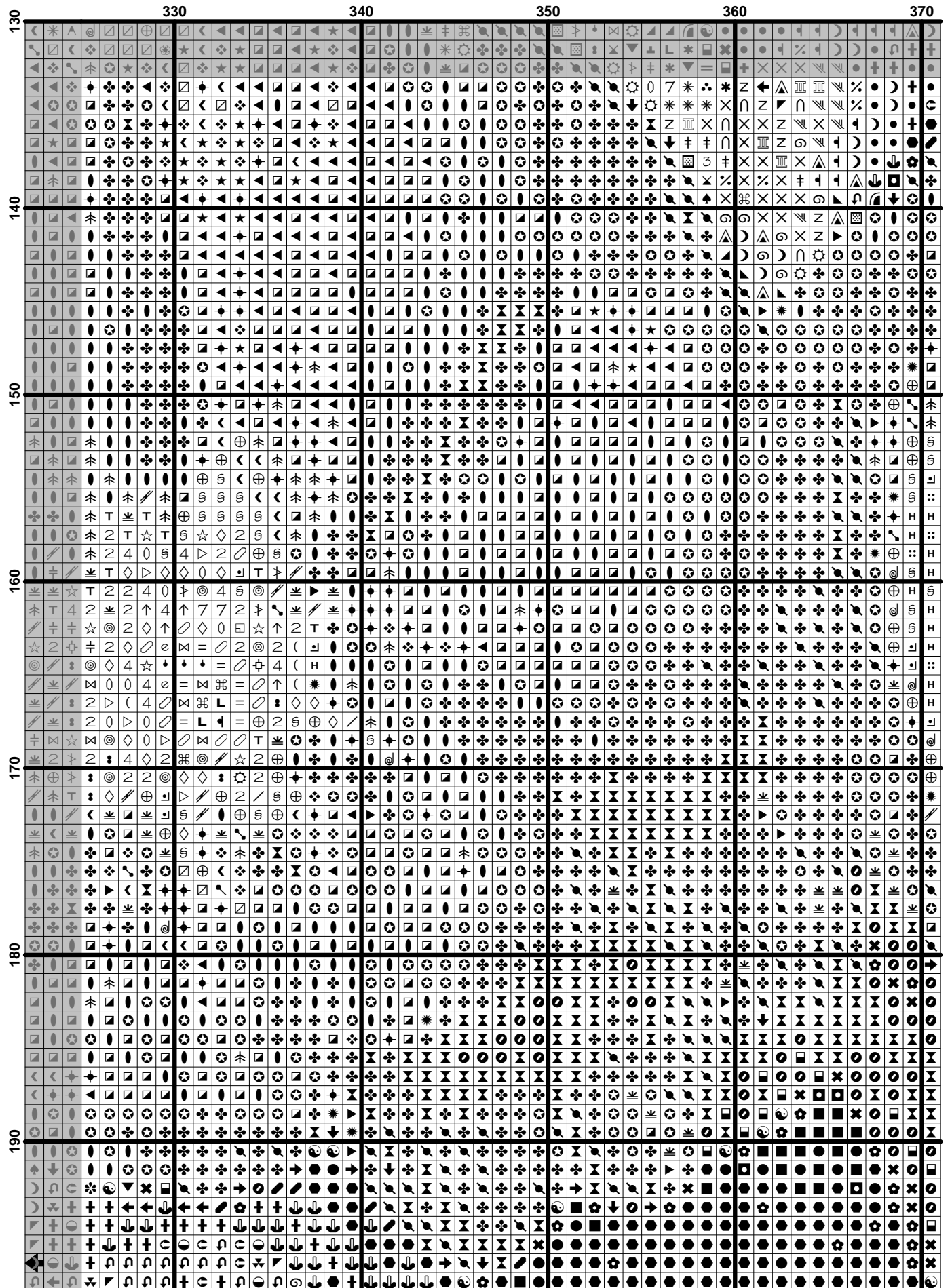


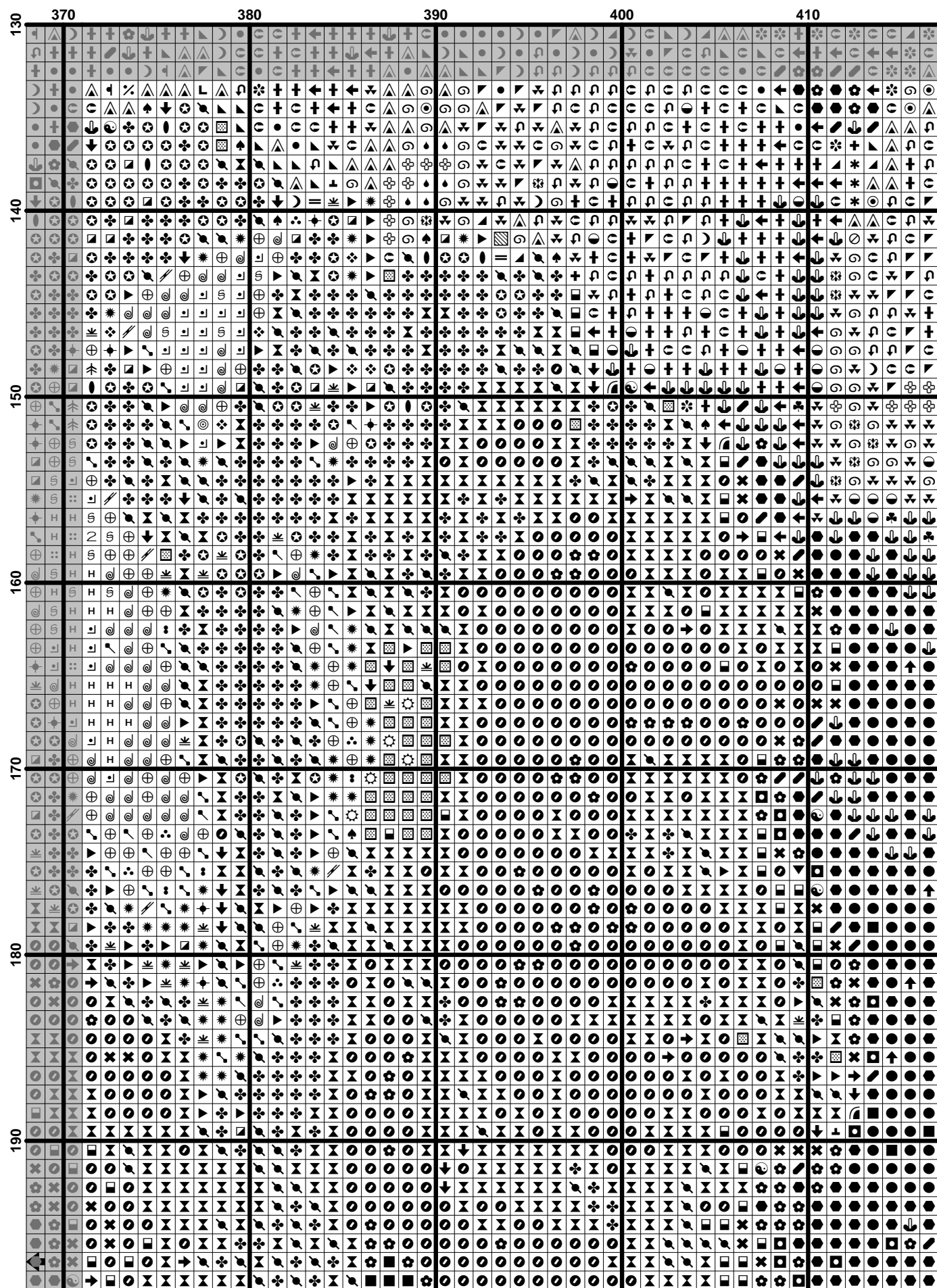


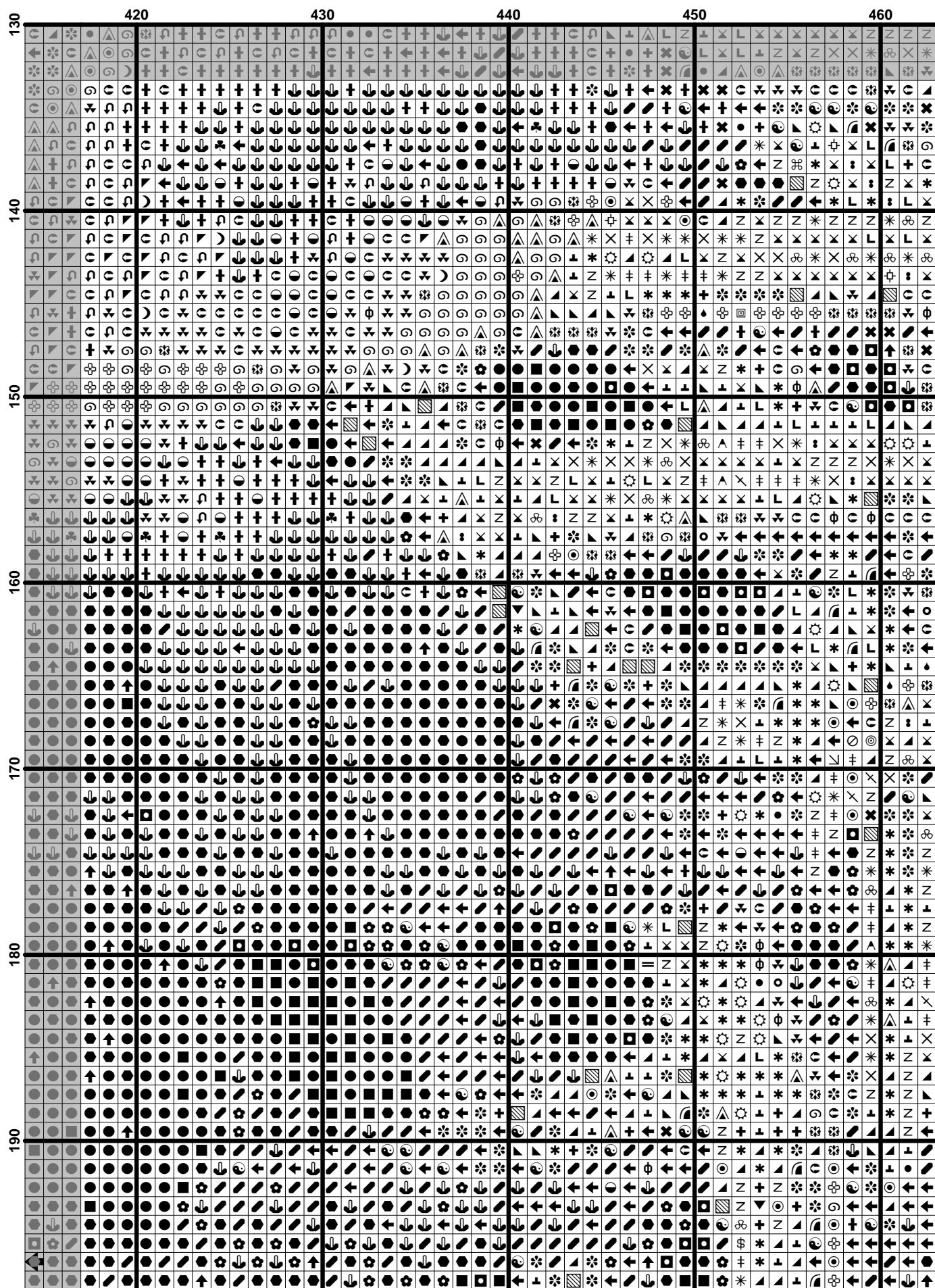
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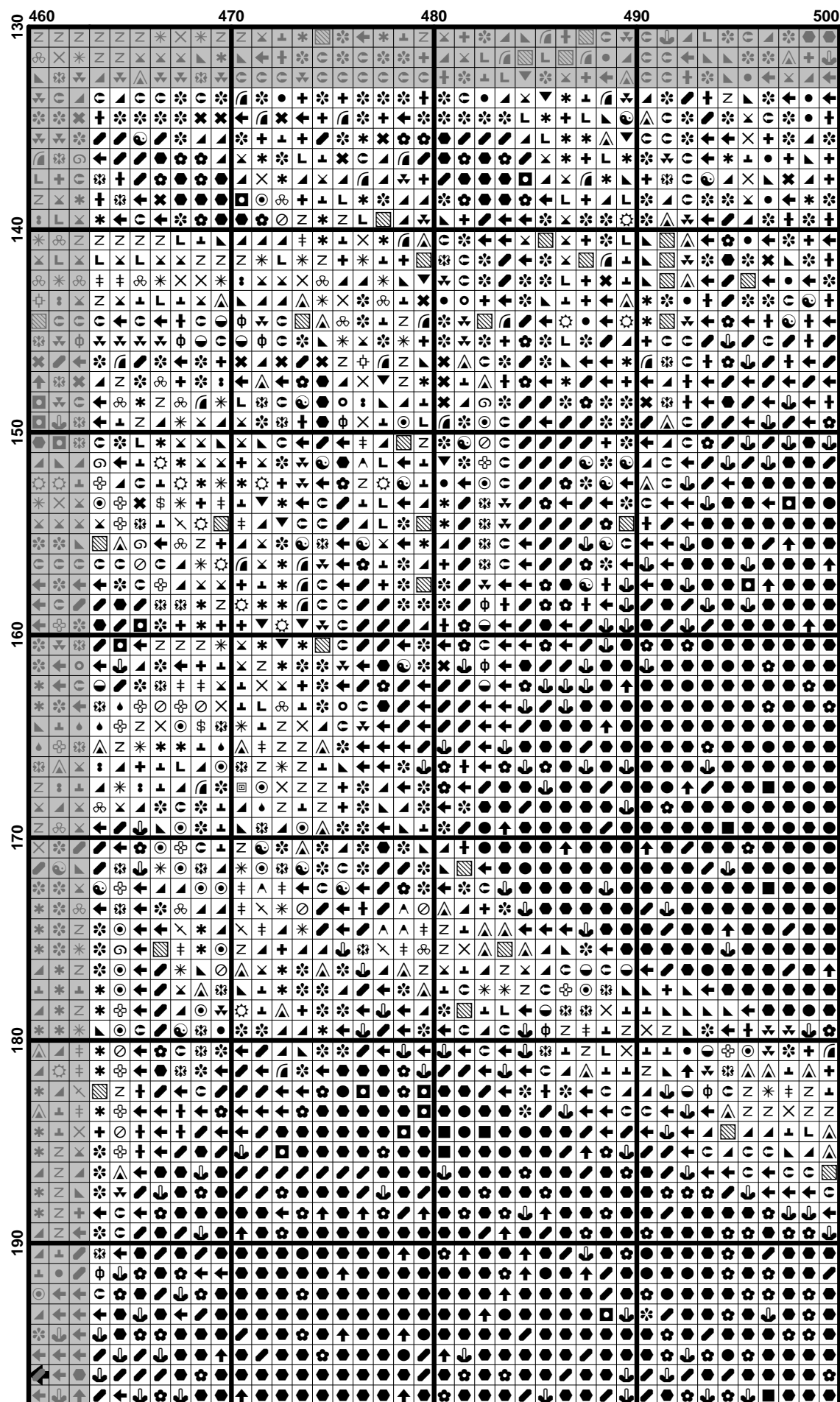
$$(39) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

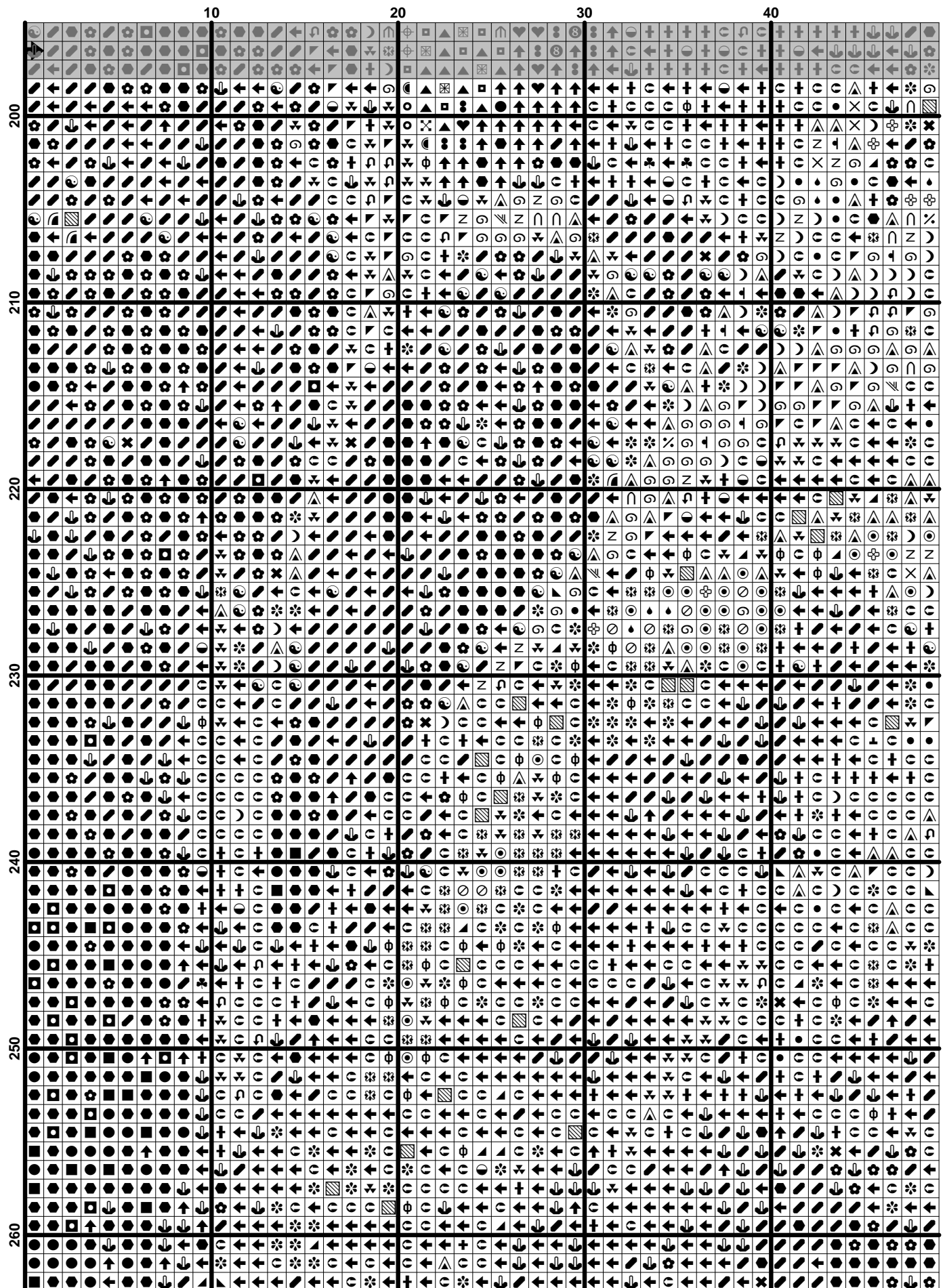


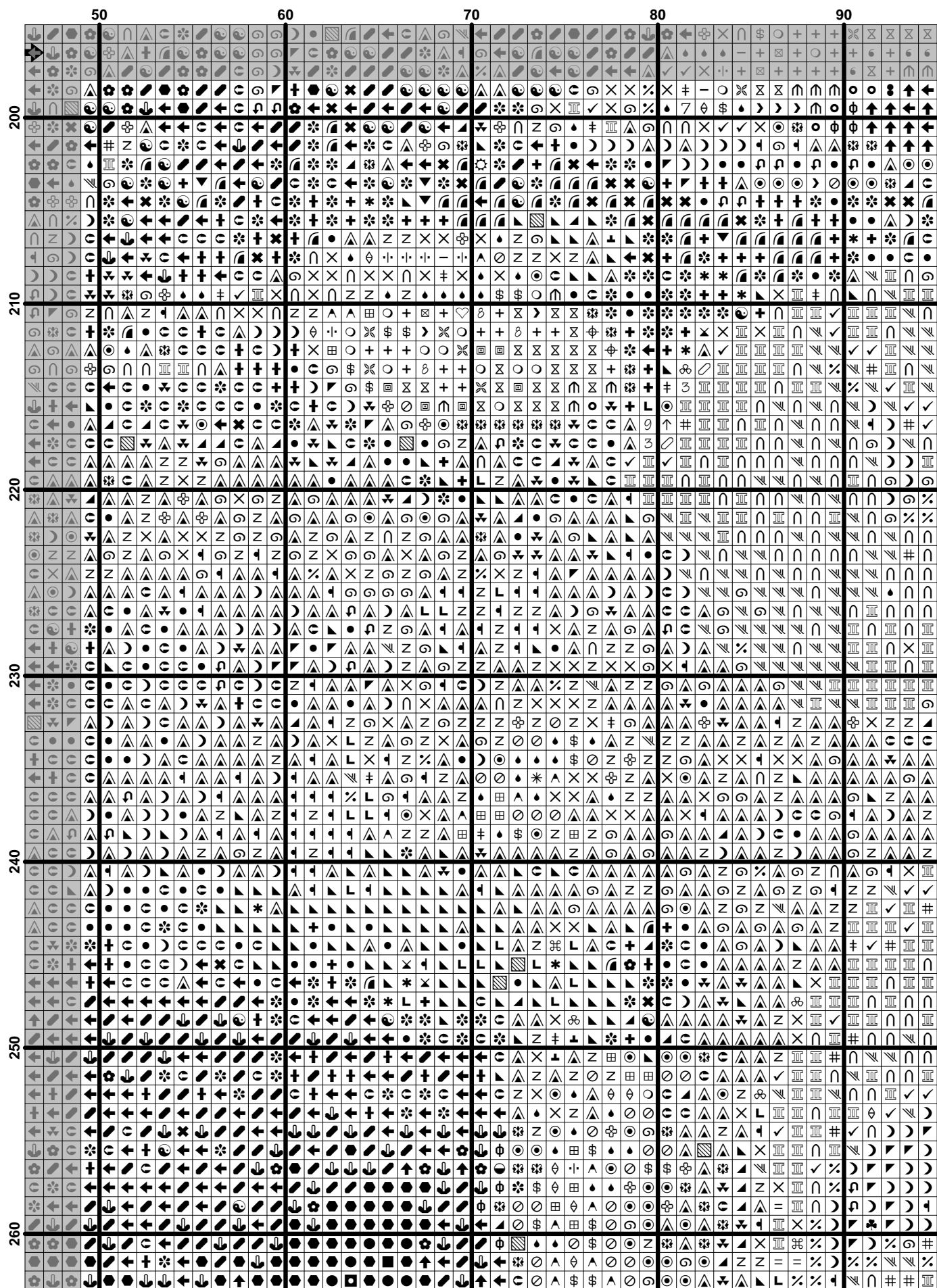


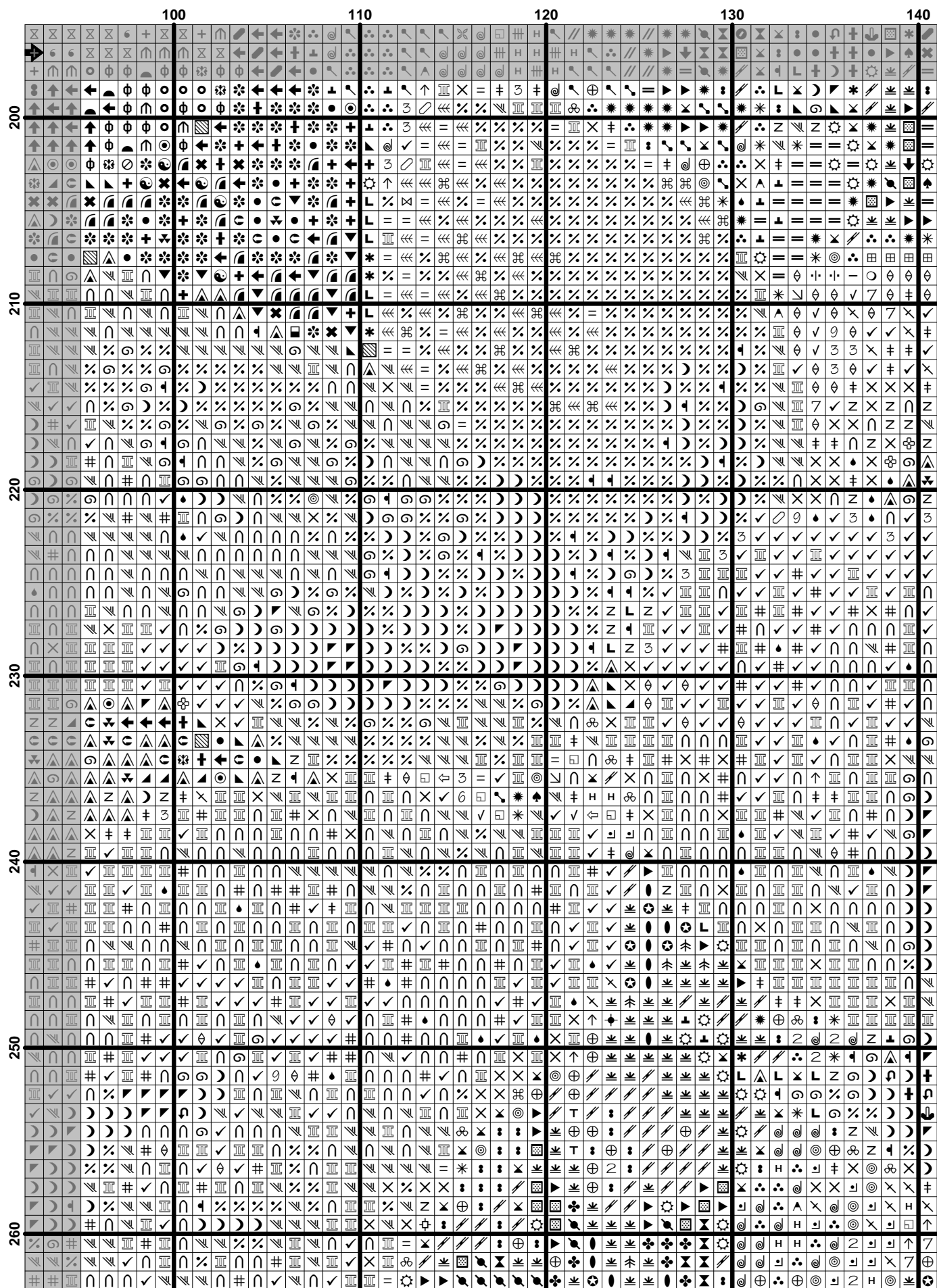








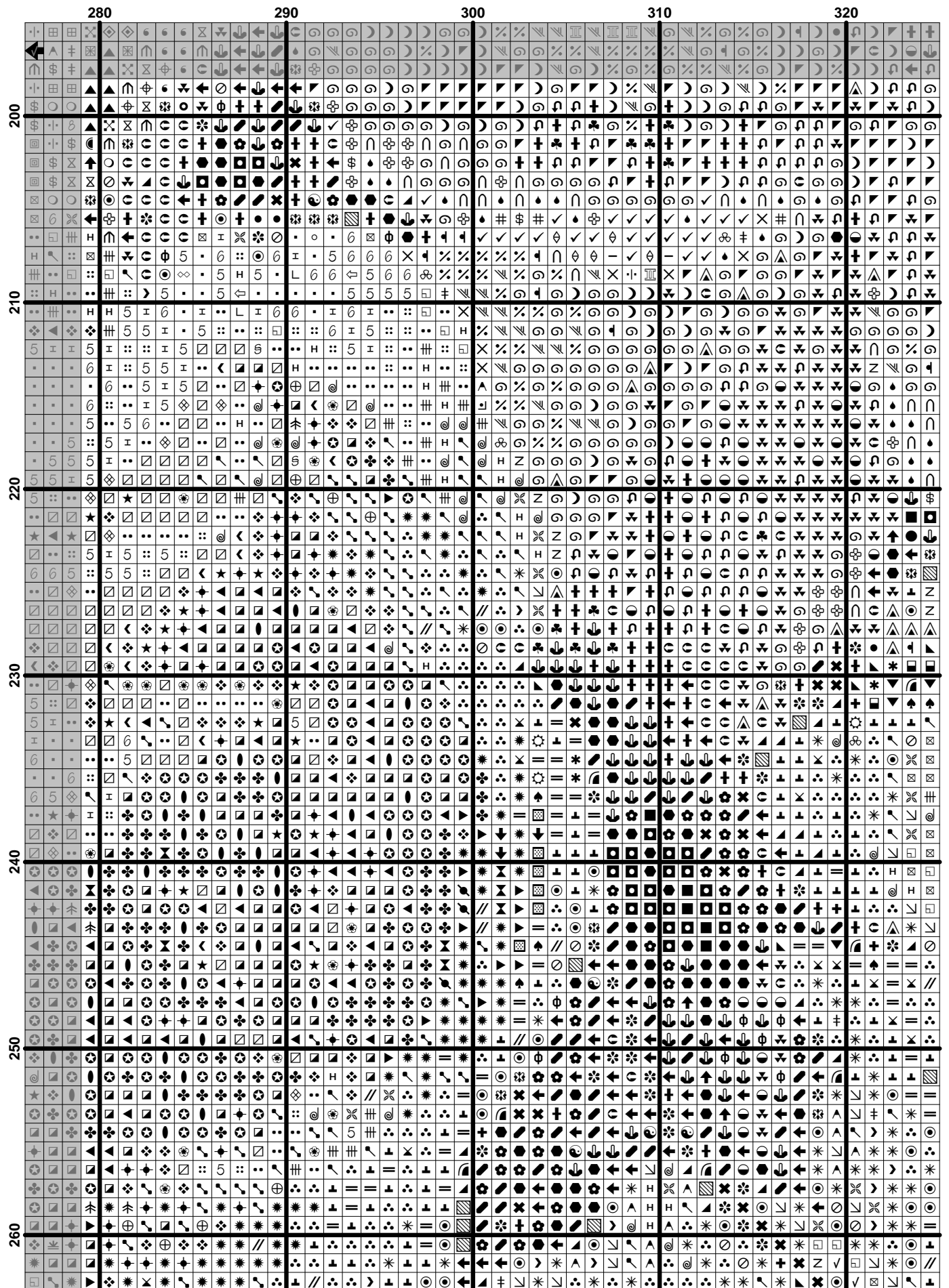


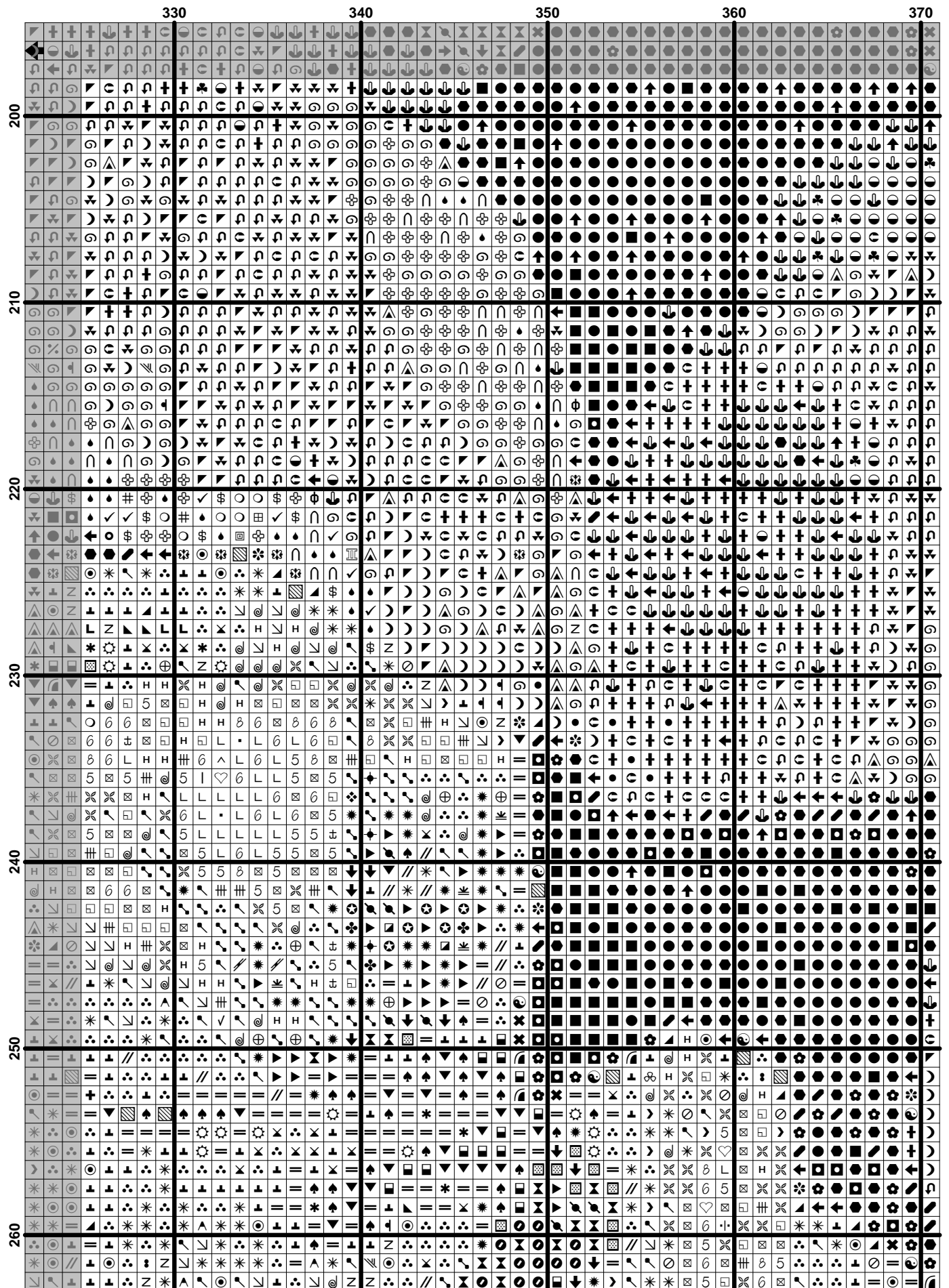


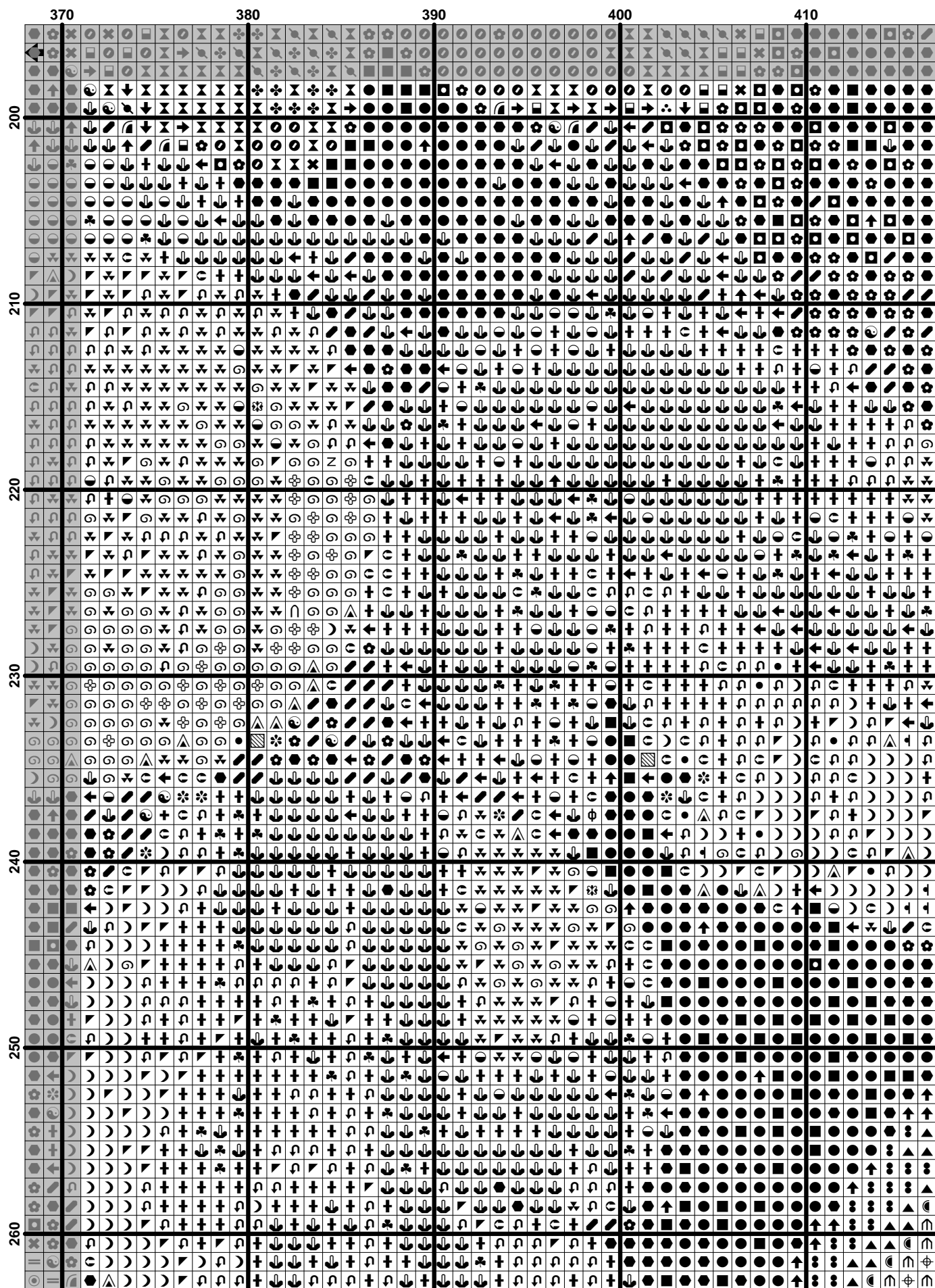
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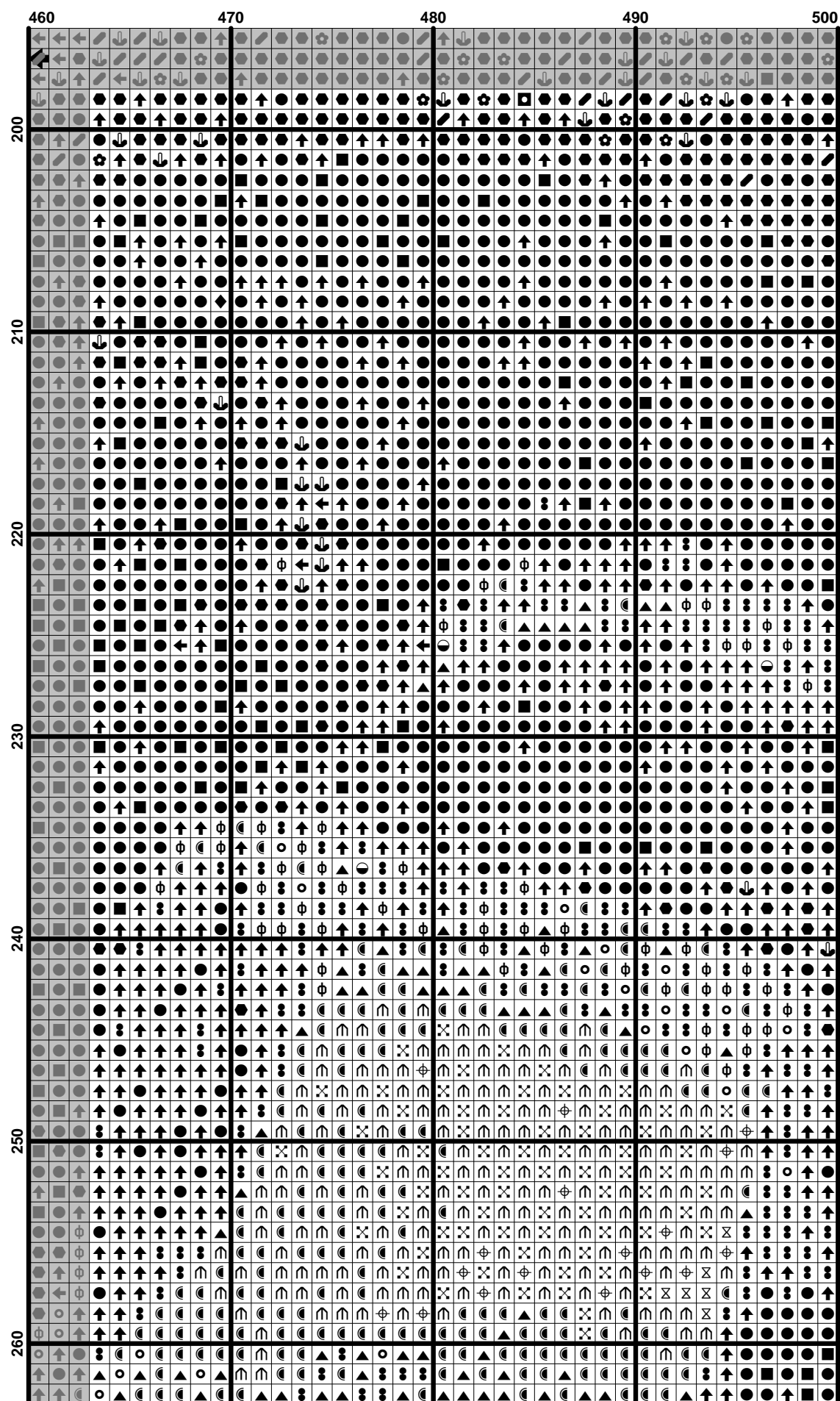
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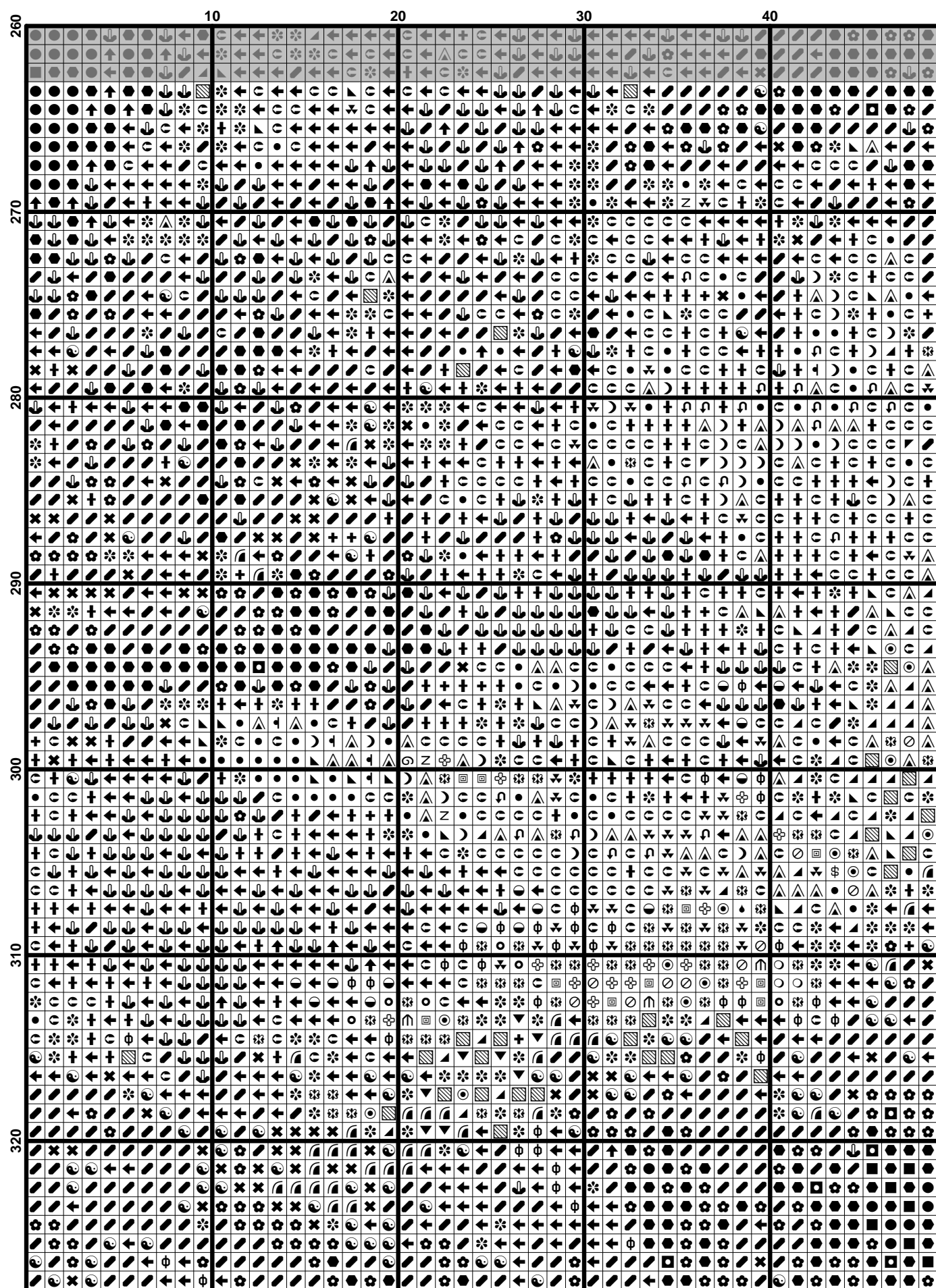


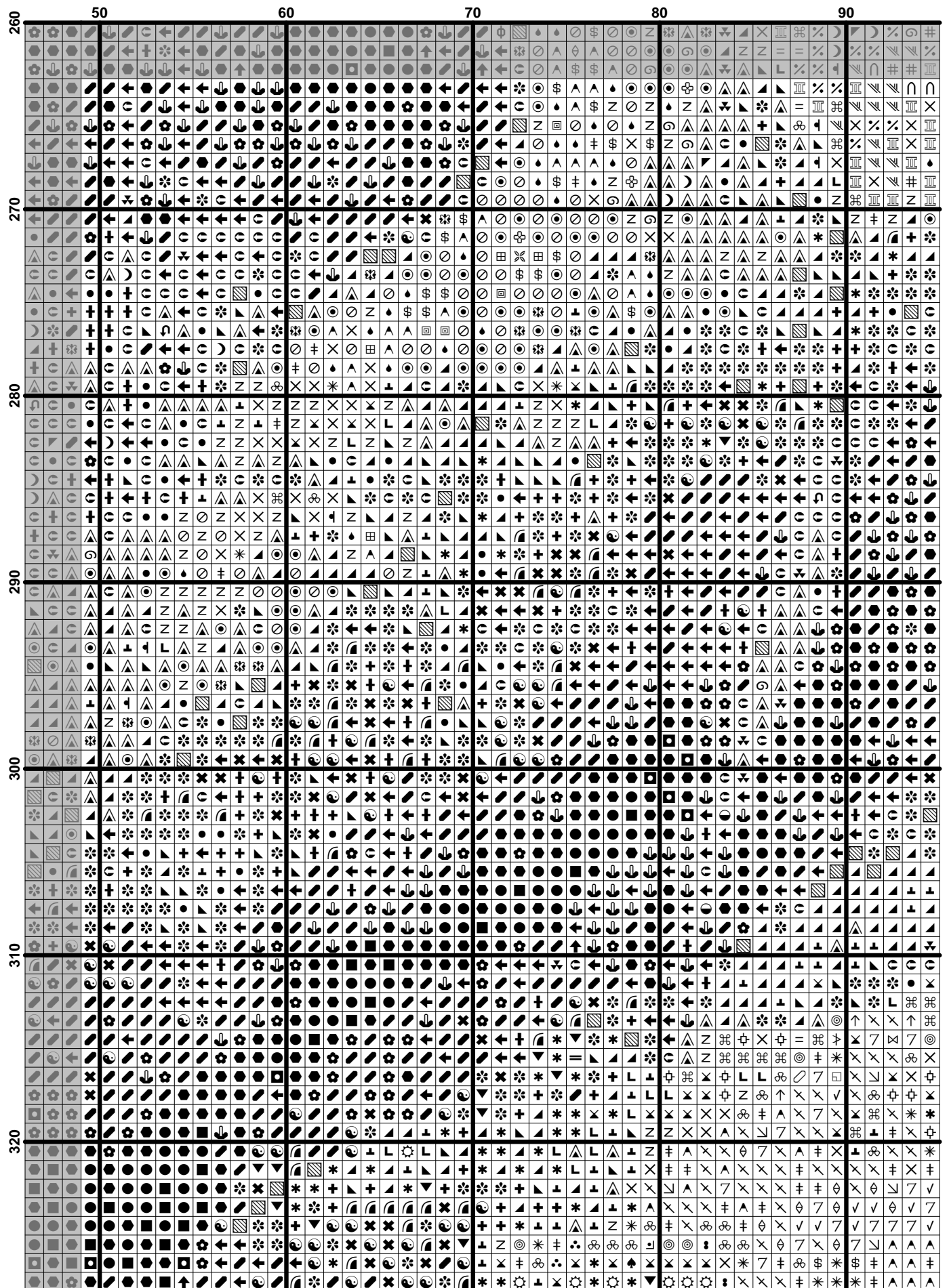










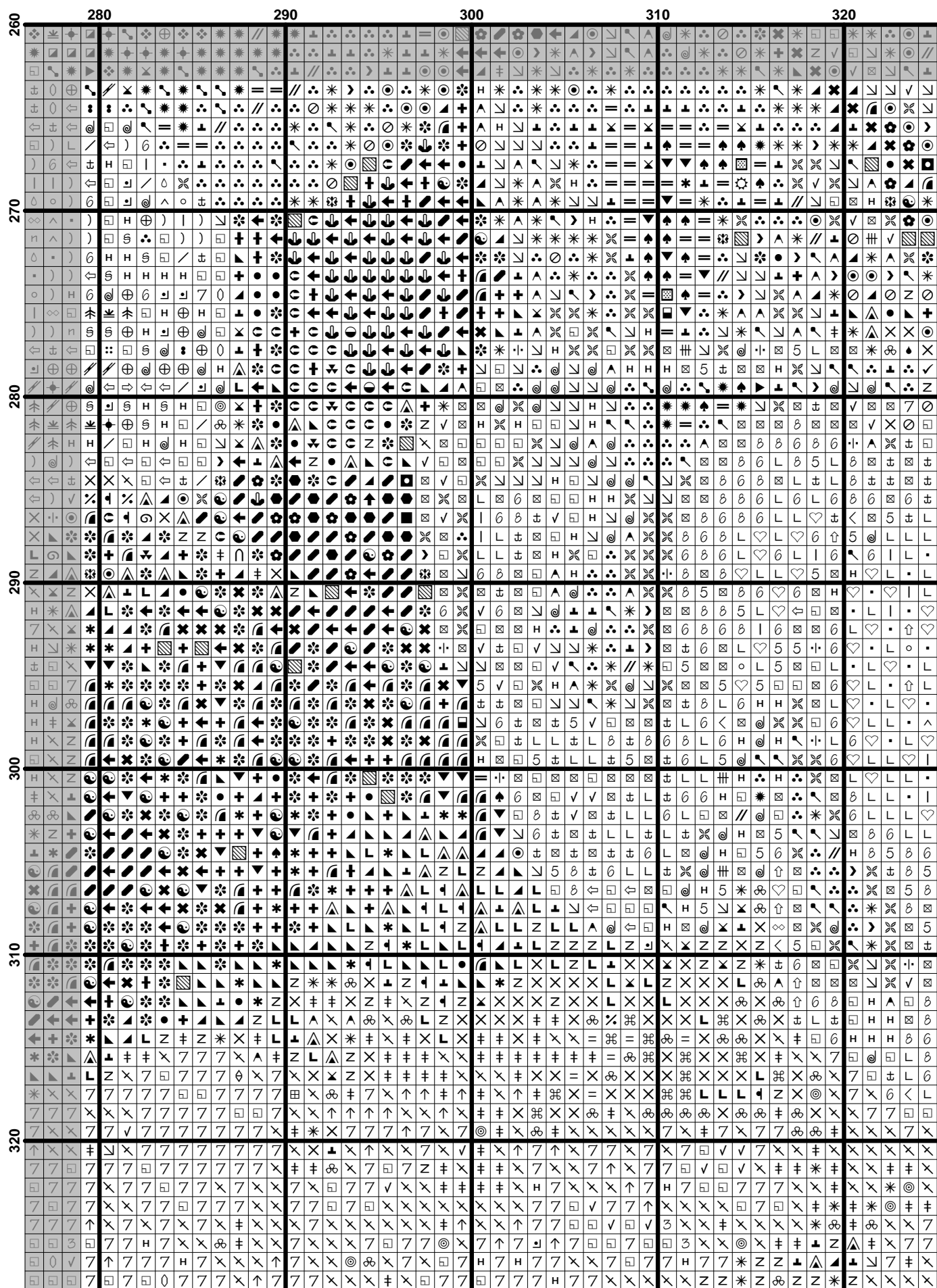


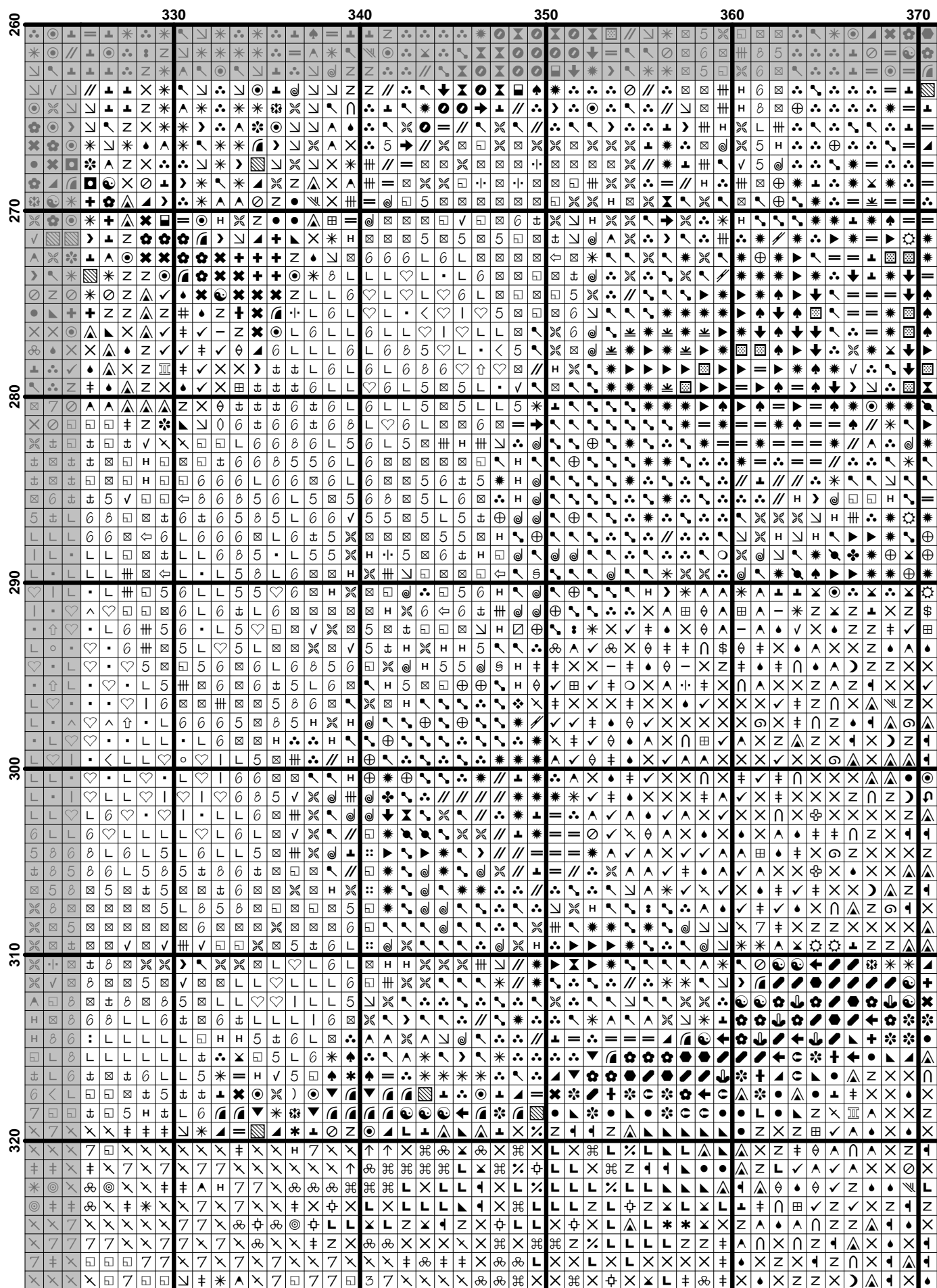
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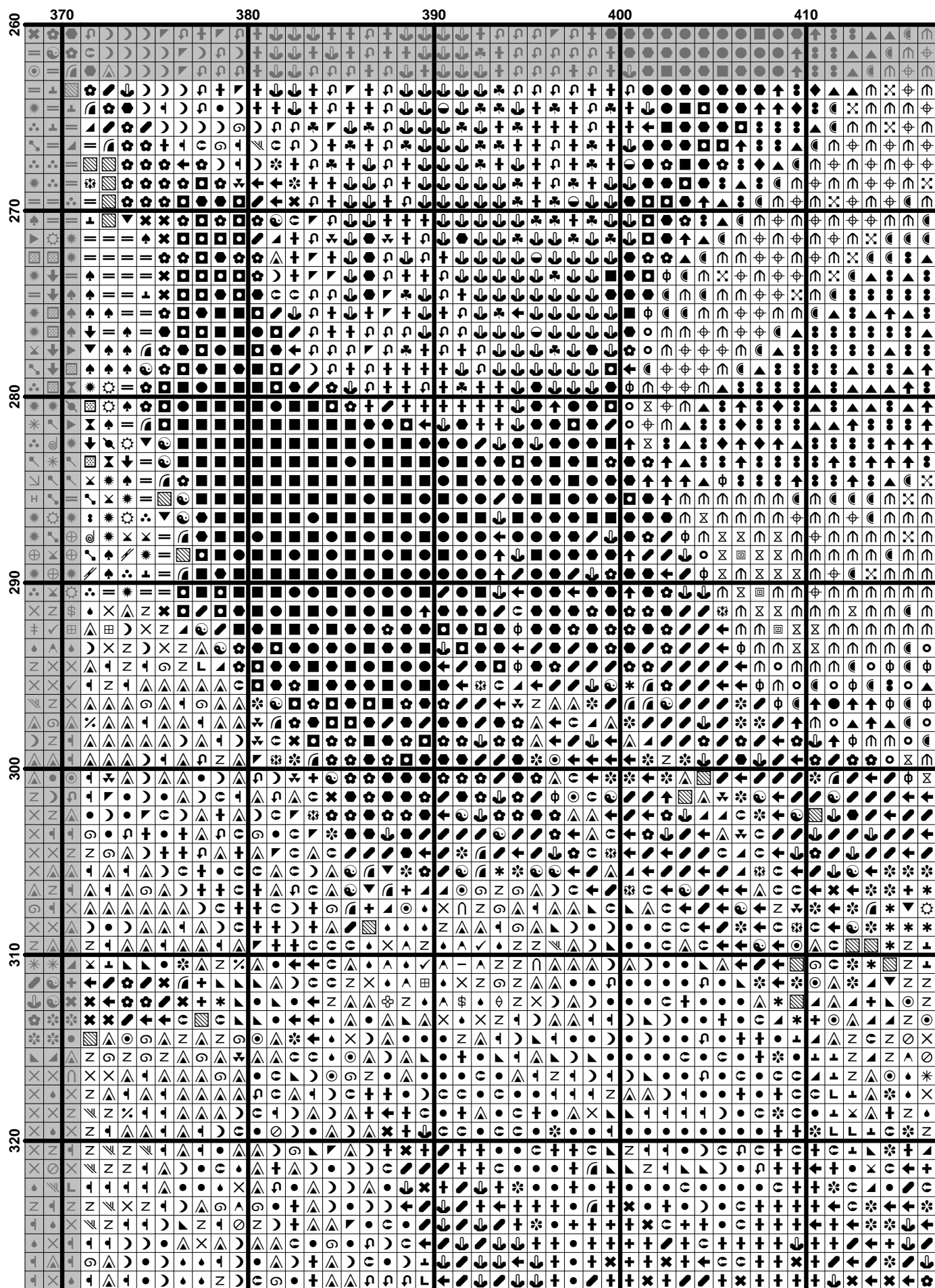
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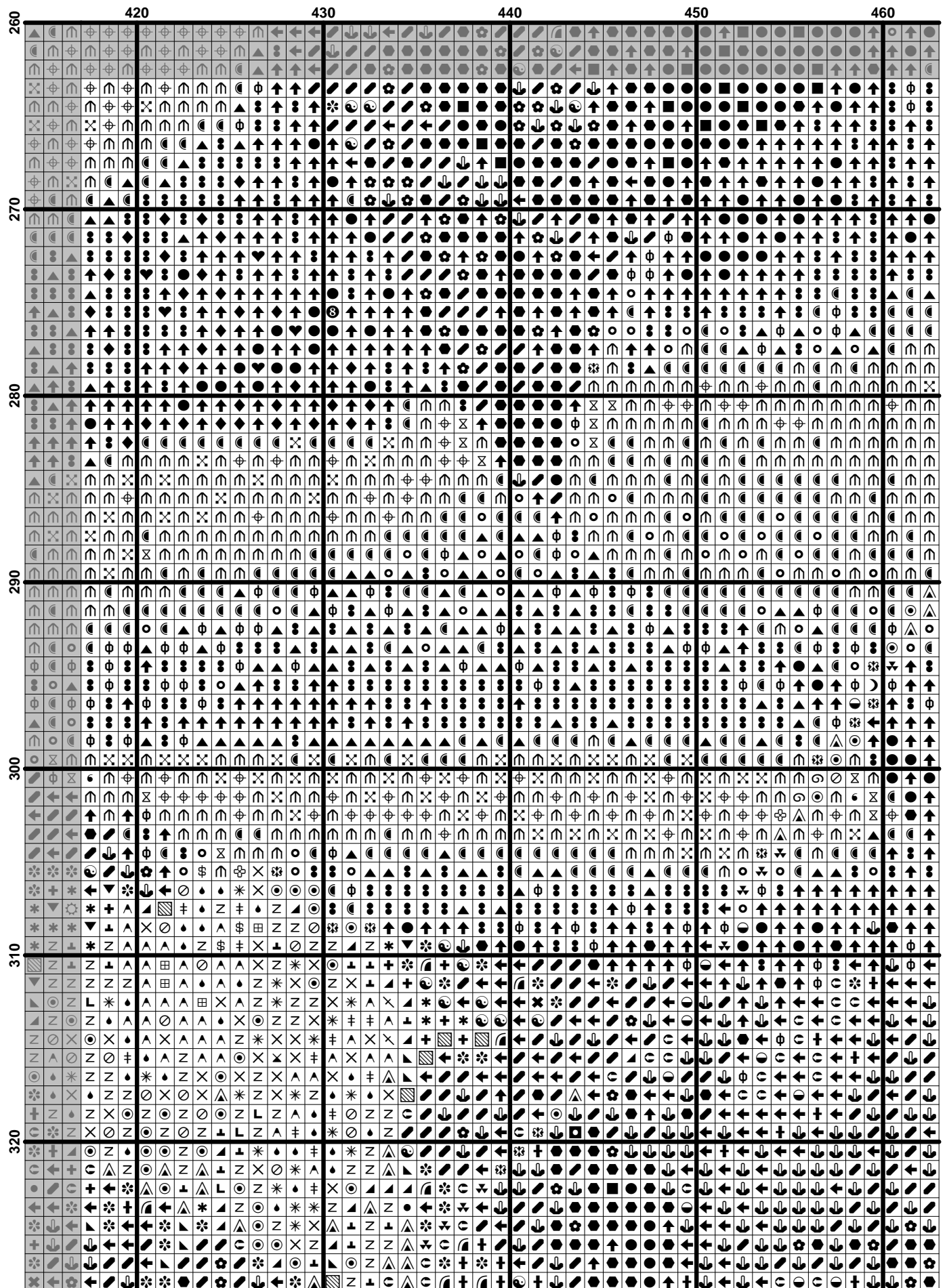
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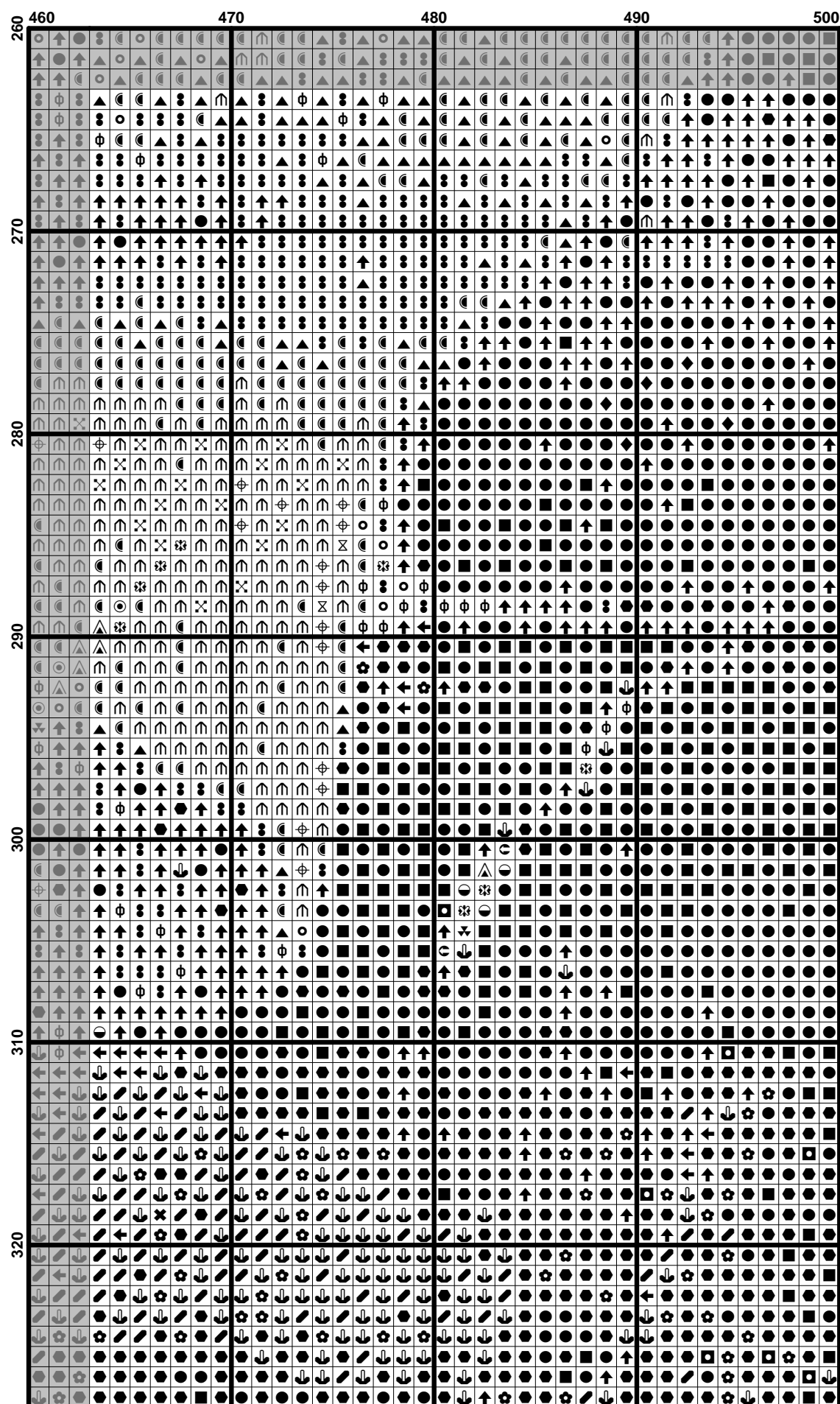
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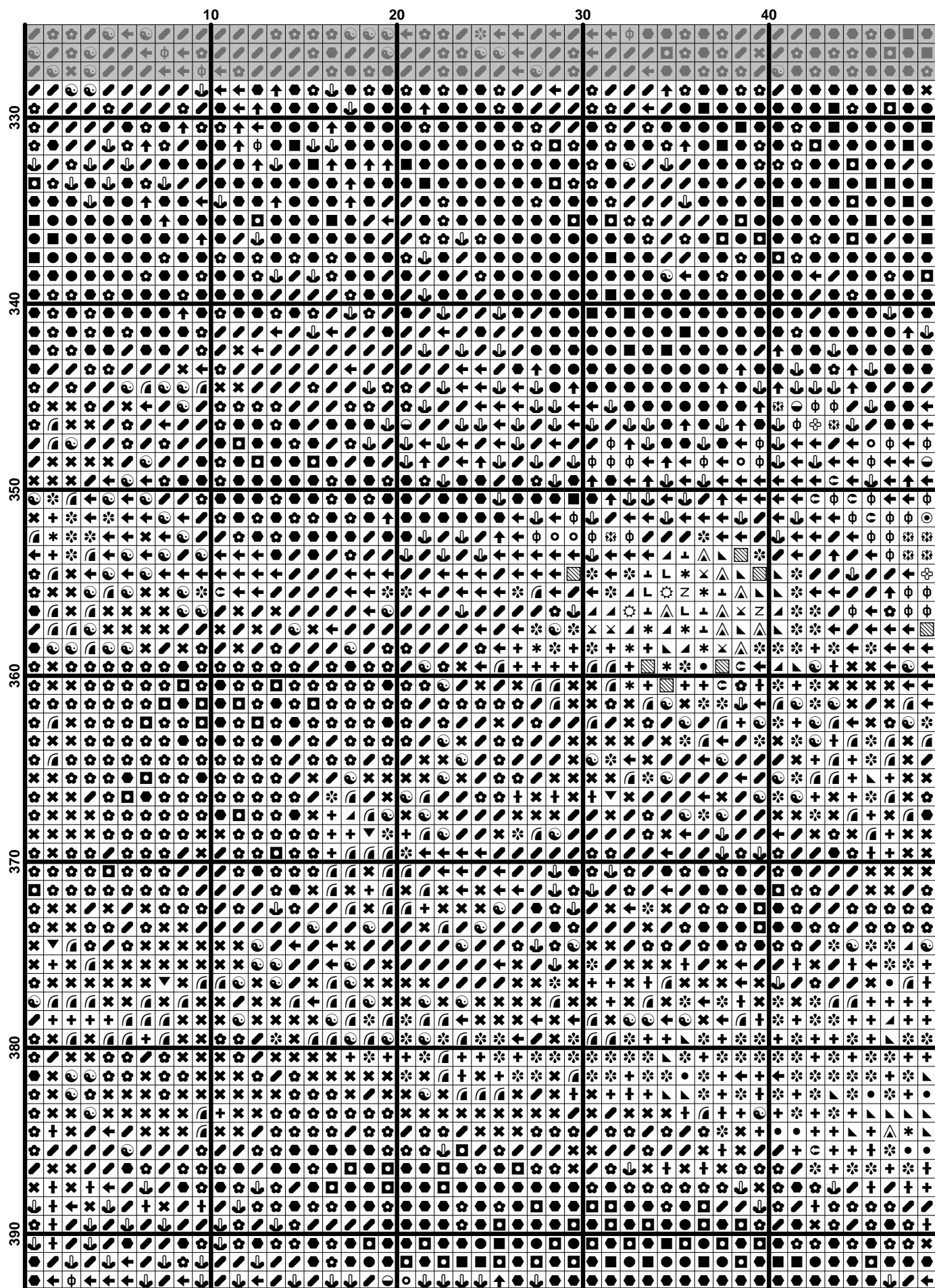


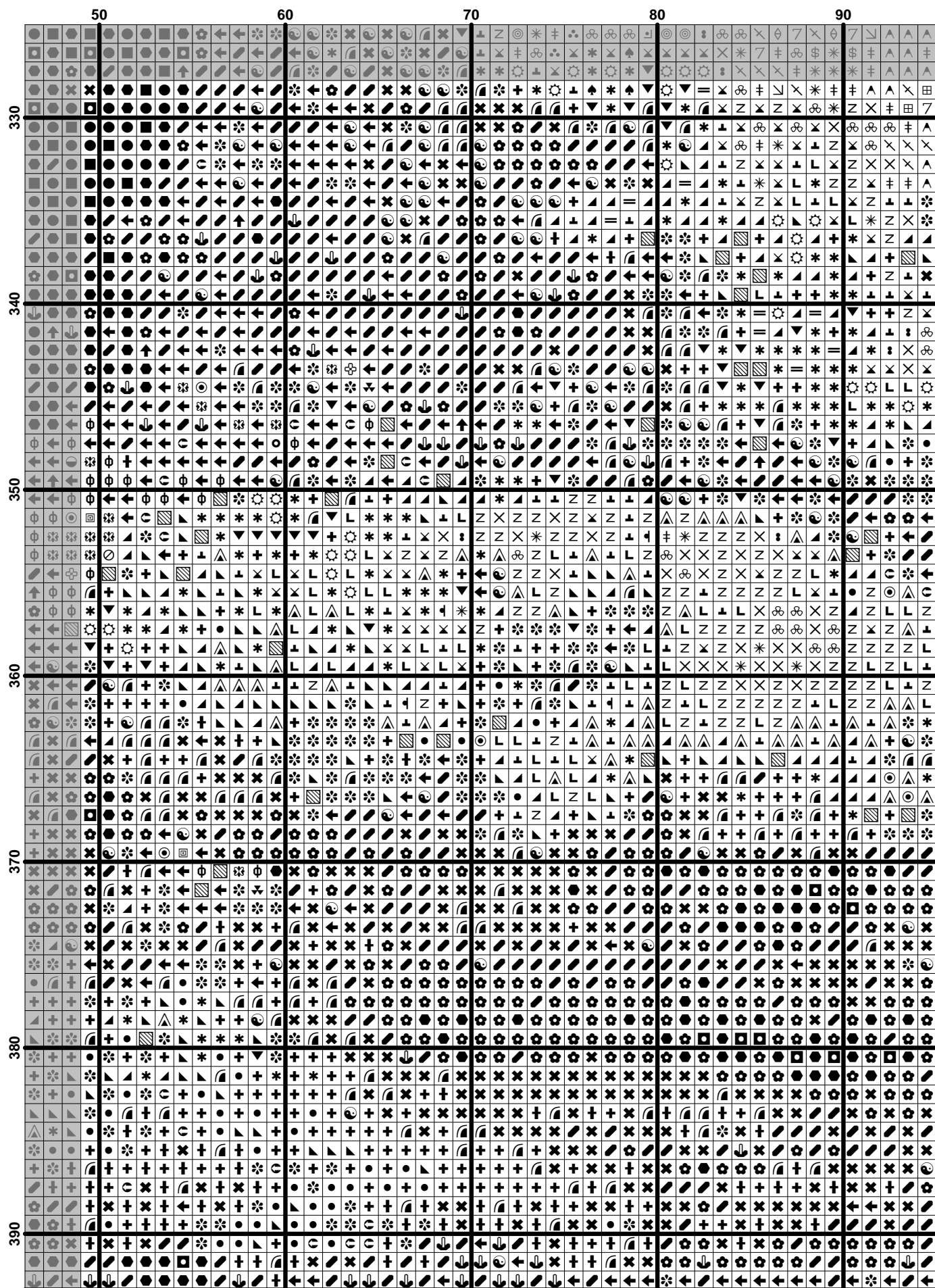


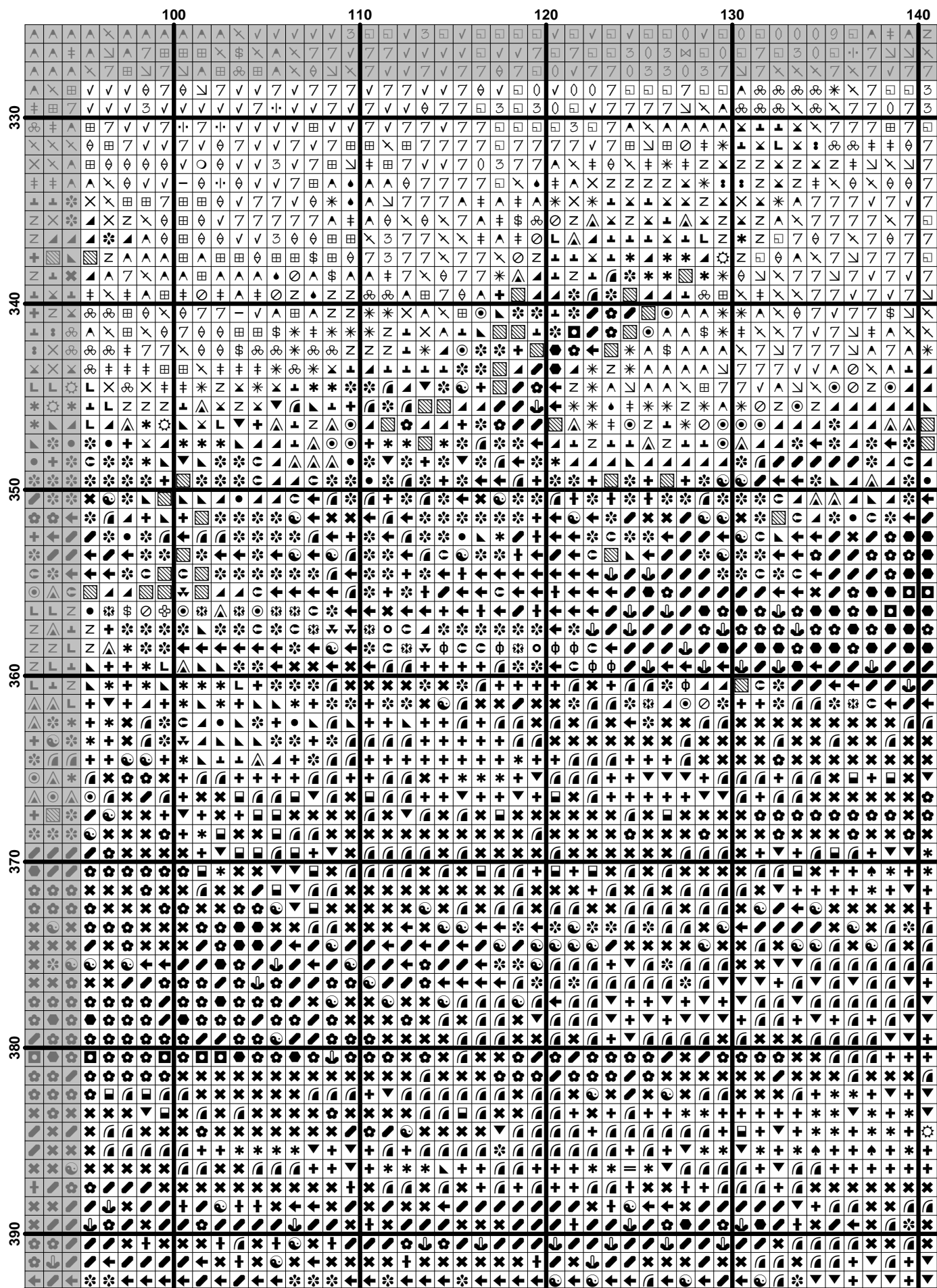












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