

1287 Basilica Di San Marco



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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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Basilica Di San Marco

Stitch Count	
Horizontal:	800
Vertical:	565

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:	145	57.05	103	40.33	127	49.92	90	35.29	113	44.375	80	31.375
Including Margins:	161	64	119	47	143	56	106	42	129	51	96	38
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	203	79.87	144	56.46	169	66.55	120	47.05	84	33.27	60	23.52
Including Margins:	219	86	160	63	185	73	136	54	100	40	76	30
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	81	31.94	57	22.58	78	30.71	55	21.71	75	29.58	53	20.91
Including Margins:	97	38	73	29	94	37	71	28	91	36	69	27
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	72	28.52	51	20.16	67	26.62	48	18.82	63	24.95	45	17.64
Including Margins:	88	35	67	27	83	33	64	25	79	31	61	24

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
☆	224	Shell Pink-VY LT
●	300	Mahogany-VY DK
■	301	Mahogany-MD
田	318	Steel Gray-LT
⊕	370	Mustard-MD
➤	371	Mustard
III	372	Mustard-LT
⌘	407	Desert Sand-DK
❖	414	Steel Gray-DK
7	415	Pearl Gray
o	420	Hazelnut Brown-DK
II	422	Hazelnut Brown-LT
↑	433	Brown-MD
▼	434	Brown-LT
⬇	435	Brown-VY LT
✕	436	Tan
H	437	Tan-LT
△	451	Shell Gray-DK
✓	452	Shell Gray-MD
e	453	Shell Gray-LT
♡	543	Beige Brown-UL VY LT
✱	610	Drab Brown-DK
✱	611	Drab Brown
T	612	Drab Brown-LT
▲	640	Beige Gray-VY DK
H	644	Beige Gray-MD
+	645	Beaver Gray-VY DK
⊕	647	Beaver Gray-MD
·	648	Beaver Gray-LT
⊕	680	Old Gold-DK
II	729	Old Gold-MD
⊗	738	Tan-VY LT
<	739	Tan-UL VY LT
S	758	Terra Cotta-VY LT
~	762	Pearl Gray-VY LT
∞	775	Baby Blue-VY LT
✕	801	Coffee Brown-DK
I	822	Beige Gray-LT
⦿	829	Golden Olive-VY DK
⦿	830	Golden Olive-DK
➔	839	Beige Brown-DK
⦿	840	Beige Brown-MD
Z	841	Beige Brown-LT
3	842	Beige Brown-VY LT
●	869	Hazelnut Brown-VY DK
⊗	898	Coffee Brown-VY DK

↘	927	Gray Green-LT
—	928	Gray Green-VY LT
●	938	Coffee Brown-UL DK
6	945	Tawny
u	948	Peach-VY LT
↔	950	Desert Sand-LT
«	951	Tawny-LT
♣	975	Golden Brown-DK
×	977	Golden Brown-LT
◆	3021	Brown Gray-VY DK
⦿	3022	Brown Gray-MD
+	3024	Brown Gray-VY LT
⊗	3032	Mocha Brown-MD
▷	3033	Mocha Brown-VY LT
=	3041	Antique Violet-MD
≈	3042	Antique Violet-LT
⊕	3045	Yellow Beige-DK
◇	3046	Yellow Beige-MD
⌘	3064	Desert Sand
>	3072	Beaver Gray-VY LT
■	3371	Black Brown
2	3727	Antique Mauve-LT
⌘	3740	Antique Violet-DK
α	3743	Antique Violet-VY LT
o	3753	Antique Blue-UL VY LT
♦	3772	Desert Sand-VY DK
)	3774	Desert Sand-VY LT
⌘	3778	Terra Cotta-LT
⦿	3781	Mocha Brown-DK
⌘	3782	Mocha Brown-LT
♠	3790	Beige Gray-UL DK
⬇	3820	Straw-DK
▴	3826	Golden Brown
√	3827	Golden Brown-Pale
٪	3828	Hazelnut Brown
★	3829	Old Gold-VY DK
▣	3830	Terra Cotta-MD
L	3841	Baby Blue-Pale
4	3856	Mahogany-UL VY LT
6	3859	Rosewood-LT
●	3860	Cocoa
▣	3861	Cocoa-LT
⌘	3862	Mocha Beige-DK
⬇	3863	Mocha Beige-MD
√	3864	Mocha Beige-LT
1	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
☐	414	Steel Gray-DK	3861	Cocoa-LT
☐	927	Gray Green-LT	3861	Cocoa-LT
☐	372	Mustard-LT	407	Desert Sand-DK
↓	839	Beige Brown-DK	3787	Brown Gray-DK
♣	610	Drab Brown-DK	839	Beige Brown-DK
☐	451	Shell Gray-DK	3861	Cocoa-LT
☐	3787	Brown Gray-DK	3790	Beige Gray-UL DK
☐	640	Beige Gray-VY DK	3032	Mocha Brown-MD
#	407	Desert Sand-DK	437	Tan-LT
≡	372	Mustard-LT	612	Drab Brown-LT
♣	371	Mustard	3863	Mocha Beige-MD
☐	451	Shell Gray-DK	3860	Cocoa
☐	452	Shell Gray-MD	648	Beaver Gray-LT
^	841	Beige Brown-LT	3782	Mocha Brown-LT
○	356	Terra Cotta-MD	3828	Hazelnut Brown
^	754	Peach-LT	3078	Golden Yellow-VY LT
☐	611	Drab Brown	3862	Mocha Beige-DK
☐	420	Hazelnut Brown-DK	434	Brown-LT
▲	610	Drab Brown-DK	3787	Brown Gray-DK
♥	801	Coffee Brown-DK	898	Coffee Brown-VY DK
☐	3032	Mocha Brown-MD	3863	Mocha Beige-MD
//	370	Mustard-MD	3863	Mocha Beige-MD
↑	3072	Beaver Gray-VY LT	3866	Mocha Brown-UL VY LT
☐	754	Peach-LT	951	Tawny-LT
5	738	Tan-VY LT	945	Tawny
●	3862	Mocha Beige-DK	3863	Mocha Beige-MD
◀	640	Beige Gray-VY DK	3860	Cocoa
☐	738	Tan-VY LT	3864	Mocha Beige-LT
⊕	739	Tan-UL VY LT	950	Desert Sand-LT
◀	451	Shell Gray-DK	647	Beaver Gray-MD
☐	451	Shell Gray-DK	3041	Antique Violet-MD
☐	356	Terra Cotta-MD	3772	Desert Sand-VY DK
☐	758	Terra Cotta-VY LT	3778	Terra Cotta-LT
☐	647	Beaver Gray-MD	3861	Cocoa-LT
☐	356	Terra Cotta-MD	371	Mustard
●	301	Mahogany-MD	434	Brown-LT
○	318	Steel Gray-LT	928	Gray Green-VY LT
○	613	Drab Brown-VY LT	739	Tan-UL VY LT
☐	420	Hazelnut Brown-DK	3862	Mocha Beige-DK
☐	371	Mustard	420	Hazelnut Brown-DK
=	3855	Autumn Gold-LT	3856	Mahogany-UL VY LT
✱	435	Brown-VY LT	3830	Terra Cotta-MD
☐	3371	Black Brown	938	Coffee Brown-UL DK
::	644	Beige Gray-MD	3782	Mocha Brown-LT
/	613	Drab Brown-VY LT	950	Desert Sand-LT
9	453	Shell Gray-LT	3024	Brown Gray-VY LT
△	453	Shell Gray-LT	543	Beige Brown-UL VY LT
◊	822	Beige Gray-LT	948	Peach-VY LT
◊	822	Beige Gray-LT	3866	Mocha Brown-UL VY LT
⇒	3743	Antique Violet-VY LT	762	Pearl Gray-VY LT
☐	3743	Antique Violet-VY LT	3072	Beaver Gray-VY LT
•	3753	Antique Blue-UL VY LT	762	Pearl Gray-VY LT
(	775	Baby Blue-VY LT	3841	Baby Blue-Pale

♠	612	Drab Brown-LT	3859	Rosewood-LT
♣	840	Beige Brown-MD	3790	Beige Gray-UL DK
♠	452	Shell Gray-MD	647	Beaver Gray-MD
♠	434	Brown-LT	435	Brown-VY LT
♠	356	Terra Cotta-MD	370	Mustard-MD
♣	778	Antique Mauve-VY LT	842	Beige Brown-VY LT
♠	778	Antique Mauve-VY LT	453	Shell Gray-LT
♣	356	Terra Cotta-MD	976	Golden Brown-MD
♠	739	Tan-UL VY LT	945	Tawny
♠	745	Yellow-LT Pale	945	Tawny
♠	353	Peach	3078	Golden Yellow-VY LT
♠	356	Terra Cotta-MD	3045	Yellow Beige-DK
♠	407	Desert Sand-DK	3778	Terra Cotta-LT
♠	3782	Mocha Brown-LT	452	Shell Gray-MD
♠	745	Yellow-LT Pale	3046	Yellow Beige-MD
♠	945	Tawny	3046	Yellow Beige-MD
♠	734	Olive Green-LT	3827	Golden Brown-Pale
♠	3045	Yellow Beige-DK	422	Hazelnut Brown-LT
♠	610	Drab Brown-DK	3790	Beige Gray-UL DK
♠	371	Mustard	611	Drab Brown
♠	433	Brown-MD	869	Hazelnut Brown-VY DK
♠	420	Hazelnut Brown-DK	3863	Mocha Beige-MD
♠	402	Mahogany-VY LT	734	Olive Green-LT
♠	976	Golden Brown-MD	3828	Hazelnut Brown
♠	976	Golden Brown-MD	729	Old Gold-MD
♠	435	Brown-VY LT	975	Golden Brown-DK
♠	434	Brown-LT	3829	Old Gold-VY DK
♠	437	Tan-LT	3856	Mahogany-UL VY LT
♠	402	Mahogany-VY LT	3827	Golden Brown-Pale
♠	301	Mahogany-MD	435	Brown-VY LT
♠	3826	Golden Brown	3829	Old Gold-VY DK
♠	3046	Yellow Beige-MD	3827	Golden Brown-Pale
♠	869	Hazelnut Brown-VY DK	610	Drab Brown-DK
♠	3781	Mocha Brown-DK	898	Coffee Brown-VY DK
♠	839	Beige Brown-DK	869	Hazelnut Brown-VY DK
♠	938	Coffee Brown-UL DK	801	Coffee Brown-DK
♠	898	Coffee Brown-VY DK	938	Coffee Brown-UL DK
♠	300	Mahogany-VY DK	829	Golden Olive-VY DK
♠	610	Drab Brown-DK	801	Coffee Brown-DK
♠	371	Mustard	3772	Desert Sand-VY DK
♠	839	Beige Brown-DK	3781	Mocha Brown-DK
♠	640	Beige Gray-VY DK	3863	Mocha Beige-MD
♠	370	Mustard-MD	371	Mustard
♠	356	Terra Cotta-MD	3064	Desert Sand
♠	612	Drab Brown-LT	3045	Yellow Beige-DK
♠	612	Drab Brown-LT	371	Mustard

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	
224	Shell Pink-VY LT	31	12	30	11	27	10
300	Mahogany-VY DK	354	139	337	132	303	119
301	Mahogany-MD	138	54	132	51	119	46
318	Steel Gray-LT	16	6	15	5	14	5
353	Peach	225	88	214	84	193	75
356	Terra Cotta-MD	732	288	697	274	627	246
370	Mustard-MD	635	250	605	238	545	214
371	Mustard	2370	933	2257	888	2031	799
372	Mustard-LT	1567	616	1492	587	1343	528
402	Mahogany-VY LT	329	129	313	123	282	111
407	Desert Sand-DK	2159	850	2056	809	1851	728
414	Steel Gray-DK	34	13	32	12	29	11
415	Pearl Gray	49	19	47	18	42	16
420	Hazelnut Brown-DK	3121	1228	2972	1170	2675	1053
422	Hazelnut Brown-LT	1244	489	1185	466	1066	419
433	Brown-MD	673	264	641	252	577	227
434	Brown-LT	972	382	926	364	833	327
435	Brown-VY LT	631	248	601	236	541	212
436	Tan	1257	494	1197	471	1077	424
437	Tan-LT	2706	1065	2577	1014	2319	912
451	Shell Gray-DK	303	119	289	113	260	102
452	Shell Gray-MD	712	280	678	266	610	240
453	Shell Gray-LT	2590	1019	2466	970	2220	874
543	Beige Brown-UL VY LT	1834	722	1747	687	1572	618
610	Drab Brown-DK	3594	1414	3422	1347	3080	1212
611	Drab Brown	1035	407	985	387	887	349
612	Drab Brown-LT	2966	1167	2824	1111	2542	1000
613	Drab Brown-VY LT	1558	613	1483	583	1335	525
640	Beige Gray-VY DK	726	285	691	272	622	244
644	Beige Gray-MD	977	384	930	366	837	329
645	Beaver Gray-VY DK	15	5	14	5	13	5
647	Beaver Gray-MD	201	79	192	75	172	67
648	Beaver Gray-LT	1228	483	1170	460	1053	414
680	Old Gold-DK	115	45	109	42	98	38
729	Old Gold-MD	275	108	262	103	236	92
734	Olive Green-LT	385	151	367	144	330	129
738	Tan-VY LT	2666	1049	2539	999	2285	899
739	Tan-UL VY LT	2732	1075	2602	1024	2342	922
745	Yellow-LT Pale	443	174	422	166	380	149
754	Peach-LT	701	275	668	262	601	236
758	Terra Cotta-VY LT	77	30	73	28	66	25
762	Pearl Gray-VY LT	7629	3003	7266	2860	6539	2574
775	Baby Blue-VY LT	3562	1402	3392	1335	3053	1201
778	Antique Mauve-VY LT	229	90	218	85	196	77
801	Coffee Brown-DK	1612	634	1535	604	1382	544
822	Beige Gray-LT	3311	1303	3153	1241	2838	1117
829	Golden Olive-VY DK	589	231	561	220	505	198
830	Golden Olive-DK	22	8	21	8	19	7
839	Beige Brown-DK	1121	441	1068	420	961	378
840	Beige Brown-MD	1150	452	1095	431	986	388
841	Beige Brown-LT	1171	461	1115	438	1003	394
842	Beige Brown-VY LT	1110	437	1057	416	951	374
869	Hazelnut Brown-VY DK	1930	759	1838	723	1654	651

898	Coffee Brown-VY DK	1559	613	1485	584	1336	525
927	Gray Green-LT	41	16	39	15	35	13
928	Gray Green-VY LT	30	11	29	11	26	10
938	Coffee Brown-UL DK	948	373	903	355	812	319
945	Tawny	2328	916	2217	872	1995	785
948	Peach-VY LT	614	241	585	230	527	207
950	Desert Sand-LT	2621	1031	2497	983	2247	884
951	Tawny-LT	508	200	484	190	435	171
975	Golden Brown-DK	328	129	312	122	281	110
976	Golden Brown-MD	258	101	246	96	221	87
977	Golden Brown-LT	98	38	93	36	84	33
3021	Brown Gray-VY DK	11	4	10	3	9	3
3022	Brown Gray-MD	20	7	19	7	17	6
3024	Brown Gray-VY LT	781	307	744	292	670	263
3032	Mocha Brown-MD	1107	435	1054	414	949	373
3033	Mocha Brown-VY LT	680	267	647	254	582	229
3041	Antique Violet-MD	20	7	19	7	17	6
3042	Antique Violet-LT	14	5	13	5	12	4
3045	Yellow Beige-DK	2000	787	1904	749	1714	674
3046	Yellow Beige-MD	841	331	801	315	721	283
3064	Desert Sand	426	167	406	159	365	143
3072	Beaver Gray-VY LT	5665	2230	5395	2124	4855	1911
3078	Golden Yellow-VY LT	728	286	694	273	624	245
3371	Black Brown	411	161	392	154	353	138
3727	Antique Mauve-LT	8	3	8	3	7	2
3740	Antique Violet-DK	2	1	2	1	1	1
3743	Antique Violet-VY LT	1490	586	1419	558	1277	502
3753	Antique Blue-UL VY LT	2306	907	2196	864	1976	777
3772	Desert Sand-VY DK	869	342	828	325	745	293
3774	Desert Sand-VY LT	1664	655	1585	624	1426	561
3778	Terra Cotta-LT	53	20	51	20	45	17
3781	Mocha Brown-DK	647	254	616	242	555	218
3782	Mocha Brown-LT	957	376	912	359	820	322
3787	Brown Gray-DK	754	296	718	282	646	254
3790	Beige Gray-UL DK	2136	840	2034	800	1831	720
3820	Straw-DK	12	4	12	4	10	3
3826	Golden Brown	49	19	46	18	42	16
3827	Golden Brown-Pale	204	80	195	76	175	68
3828	Hazelnut Brown	1015	399	967	380	870	342
3829	Old Gold-VY DK	160	62	152	59	137	53
3830	Terra Cotta-MD	45	17	43	16	39	15
3841	Baby Blue-Pale	1260	496	1200	472	1080	425
3855	Autumn Gold-LT	44	17	42	16	38	14
3856	Mahogany-UL VY LT	810	318	771	303	694	273
3859	Rosewood-LT	856	337	815	320	733	288
3860	Cocoa	380	149	362	142	325	127
3861	Cocoa-LT	274	107	261	102	235	92
3862	Mocha Beige-DK	5355	2108	5100	2007	4590	1807
3863	Mocha Beige-MD	5275	2076	5023	1977	4521	1779
3864	Mocha Beige-LT	2131	838	2030	799	1827	719
3866	Mocha Brown-UL VY LT	8908	3507	8484	3340	7636	3006

Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
224	Shell Pink-VY LT	49	18	41	15	20	8
300	Mahogany-VY DK	545	214	455	179	227	89
301	Mahogany-MD	214	83	179	69	89	35
318	Steel Gray-LT	25	9	21	8	11	4
353	Peach	347	135	290	113	145	56
356	Terra Cotta-MD	1129	443	941	369	470	185
370	Mustard-MD	981	385	818	321	409	161
371	Mustard	3656	1438	3047	1199	1523	599
372	Mustard-LT	2417	950	2015	792	1007	396
402	Mahogany-VY LT	508	200	423	167	212	83
407	Desert Sand-DK	3332	1310	2777	1092	1388	546
414	Steel Gray-DK	52	20	44	17	22	8
415	Pearl Gray	76	29	63	24	32	12
420	Hazelnut Brown-DK	4815	1895	4013	1580	2006	790
422	Hazelnut Brown-LT	1919	754	1599	629	800	314
433	Brown-MD	1039	409	866	341	433	170
434	Brown-LT	1499	589	1250	491	625	245
435	Brown-VY LT	974	382	812	318	406	159
436	Tan	1939	763	1616	636	808	318
437	Tan-LT	4174	1642	3479	1368	1739	684
451	Shell Gray-DK	468	184	390	153	195	77
452	Shell Gray-MD	1098	432	915	360	458	180
453	Shell Gray-LT	3996	1573	3330	1311	1665	656
543	Beige Brown-UL VY LT	2830	1112	2358	927	1179	464
610	Drab Brown-DK	5544	2182	4620	1818	2310	909
611	Drab Brown	1597	628	1331	524	665	262
612	Drab Brown-LT	4576	1800	3813	1500	1907	750
613	Drab Brown-VY LT	2403	945	2003	788	1001	394
640	Beige Gray-VY DK	1120	439	933	366	467	183
644	Beige Gray-MD	1507	592	1256	494	628	247
645	Beaver Gray-VY DK	23	9	20	8	10	4
647	Beaver Gray-MD	310	121	258	101	129	50
648	Beaver Gray-LT	1895	745	1580	621	790	311
680	Old Gold-DK	176	68	147	57	74	29
729	Old Gold-MD	425	166	354	138	177	69
734	Olive Green-LT	594	232	495	194	248	97
738	Tan-VY LT	4113	1618	3428	1349	1714	674
739	Tan-UL VY LT	4216	1660	3513	1383	1757	692
745	Yellow-LT Pale	684	268	570	224	285	112
754	Peach-LT	1082	425	902	354	451	177
758	Terra Cotta-VY LT	119	45	99	38	50	19
762	Pearl Gray-VY LT	11770	4633	9809	3861	4904	1931
775	Baby Blue-VY LT	5495	2162	4580	1802	2290	901
778	Antique Mauve-VY LT	353	139	294	116	147	58
801	Coffee Brown-DK	2488	979	2073	816	1037	408
822	Beige Gray-LT	5108	2011	4257	1676	2129	838
829	Golden Olive-VY DK	909	356	758	297	379	149
830	Golden Olive-DK	34	13	29	11	14	5
839	Beige Brown-DK	1730	680	1442	567	721	284
840	Beige Brown-MD	1775	698	1479	582	740	291
841	Beige Brown-LT	1805	709	1505	591	752	296
842	Beige Brown-VY LT	1712	673	1427	561	713	281
869	Hazelnut Brown-VY DK	2977	1172	2481	977	1241	488

898	Coffee Brown-VY DK	2405	945	2004	788	1002	394
927	Gray Green-LT	63	23	53	20	26	10
928	Gray Green-VY LT	47	18	39	15	20	8
938	Coffee Brown-UL DK	1462	574	1218	479	609	239
945	Tawny	3591	1413	2993	1178	1496	589
948	Peach-VY LT	949	373	791	311	395	155
950	Desert Sand-LT	4045	1591	3371	1326	1685	663
951	Tawny-LT	783	308	653	257	326	128
975	Golden Brown-DK	506	198	422	165	211	83
976	Golden Brown-MD	398	157	332	131	166	65
977	Golden Brown-LT	151	59	126	50	63	25
3021	Brown Gray-VY DK	16	5	14	5	7	2
3022	Brown Gray-MD	31	11	26	9	13	5
3024	Brown Gray-VY LT	1206	473	1005	395	503	197
3032	Mocha Brown-MD	1708	671	1424	560	712	280
3033	Mocha Brown-VY LT	1048	412	873	344	437	172
3041	Antique Violet-MD	31	11	26	9	13	5
3042	Antique Violet-LT	22	7	18	6	9	3
3045	Yellow Beige-DK	3085	1213	2571	1011	1286	506
3046	Yellow Beige-MD	1298	509	1082	425	541	212
3064	Desert Sand	657	257	548	215	274	107
3072	Beaver Gray-VY LT	8739	3440	7283	2867	3641	1433
3078	Golden Yellow-VY LT	1123	441	936	368	468	184
3371	Black Brown	635	248	530	207	265	104
3727	Antique Mauve-LT	13	4	11	3	5	2
3740	Antique Violet-DK	2	2	2	2	1	1
3743	Antique Violet-VY LT	2299	904	1916	753	958	377
3753	Antique Blue-UL VY LT	3557	1399	2964	1166	1482	583
3772	Desert Sand-VY DK	1341	527	1118	440	559	220
3774	Desert Sand-VY LT	2567	1010	2139	842	1070	421
3778	Terra Cotta-LT	81	31	68	26	34	13
3781	Mocha Brown-DK	999	392	833	327	416	164
3782	Mocha Brown-LT	1476	580	1230	483	615	242
3787	Brown Gray-DK	1163	457	969	381	485	191
3790	Beige Gray-UL DK	3296	1296	2747	1080	1373	540
3820	Straw-DK	18	5	15	5	8	2
3826	Golden Brown	76	29	63	24	32	12
3827	Golden Brown-Pale	315	122	263	102	131	51
3828	Hazelnut Brown	1566	616	1305	513	653	257
3829	Old Gold-VY DK	247	95	206	80	103	40
3830	Terra Cotta-MD	70	27	59	23	29	11
3841	Baby Blue-Pale	1944	765	1620	638	810	319
3855	Autumn Gold-LT	68	25	57	21	29	11
3856	Mahogany-UL VY LT	1249	491	1041	410	521	205
3859	Rosewood-LT	1319	518	1100	432	550	216
3860	Cocoa	585	229	488	191	244	95
3861	Cocoa-LT	423	166	353	138	176	69
3862	Mocha Beige-DK	8262	3253	6885	2711	3443	1355
3863	Mocha Beige-MD	8138	3202	6782	2669	3391	1334
3864	Mocha Beige-LT	3289	1294	2741	1079	1370	539
3866	Mocha Brown-UL VY LT	13745	5411	11454	4509	5727	2255

Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
224	Shell Pink-VY LT	19	7	19	7	18	7
300	Mahogany-VY DK	218	86	210	82	202	79
301	Mahogany-MD	86	33	82	32	79	31
318	Steel Gray-LT	10	4	10	3	9	3
353	Peach	139	54	134	52	129	50
356	Terra Cotta-MD	451	177	434	170	418	164
370	Mustard-MD	392	154	377	148	363	143
371	Mustard	1462	575	1406	553	1354	533
372	Mustard-LT	967	380	930	366	895	352
402	Mahogany-VY LT	203	80	195	77	188	74
407	Desert Sand-DK	1333	524	1281	504	1234	485
414	Steel Gray-DK	21	8	20	8	19	7
415	Pearl Gray	30	12	29	11	28	11
420	Hazelnut Brown-DK	1926	758	1852	729	1783	702
422	Hazelnut Brown-LT	768	302	738	290	711	279
433	Brown-MD	415	163	399	157	385	151
434	Brown-LT	600	235	577	226	555	218
435	Brown-VY LT	390	153	375	147	361	141
436	Tan	775	305	746	294	718	283
437	Tan-LT	1670	657	1605	631	1546	608
451	Shell Gray-DK	187	73	180	71	173	68
452	Shell Gray-MD	439	173	422	166	407	160
453	Shell Gray-LT	1598	629	1537	605	1480	583
543	Beige Brown-UL VY LT	1132	445	1088	428	1048	412
610	Drab Brown-DK	2218	873	2132	839	2053	808
611	Drab Brown	639	251	614	242	591	233
612	Drab Brown-LT	1830	720	1760	692	1695	667
613	Drab Brown-VY LT	961	378	924	363	890	350
640	Beige Gray-VY DK	448	176	431	169	415	163
644	Beige Gray-MD	603	237	579	228	558	219
645	Beaver Gray-VY DK	9	4	9	3	9	3
647	Beaver Gray-MD	124	48	119	46	115	45
648	Beaver Gray-LT	758	298	729	287	702	276
680	Old Gold-DK	71	27	68	26	65	25
729	Old Gold-MD	170	66	163	64	157	61
734	Olive Green-LT	238	93	228	89	220	86
738	Tan-VY LT	1645	647	1582	622	1523	599
739	Tan-UL VY LT	1686	664	1621	638	1561	615
745	Yellow-LT Pale	274	107	263	103	253	99
754	Peach-LT	433	170	416	163	401	157
758	Terra Cotta-VY LT	48	18	46	17	44	17
762	Pearl Gray-VY LT	4708	1853	4527	1782	4359	1716
775	Baby Blue-VY LT	2198	865	2114	831	2035	801
778	Antique Mauve-VY LT	141	55	136	53	131	51
801	Coffee Brown-DK	995	392	957	377	921	363
822	Beige Gray-LT	2043	804	1965	773	1892	745
829	Golden Olive-VY DK	364	143	350	137	337	132
830	Golden Olive-DK	14	5	13	5	13	5
839	Beige Brown-DK	692	272	665	262	641	252
840	Beige Brown-MD	710	279	683	269	657	259
841	Beige Brown-LT	722	284	694	273	669	263
842	Beige Brown-VY LT	685	269	658	259	634	249
869	Hazelnut Brown-VY DK	1191	469	1145	451	1103	434

898	Coffee Brown-VY DK	962	378	925	363	891	350
927	Gray Green-LT	25	9	24	9	23	9
928	Gray Green-VY LT	19	7	18	7	17	7
938	Coffee Brown-UL DK	585	230	562	221	541	213
945	Tawny	1436	565	1381	543	1330	523
948	Peach-VY LT	379	149	365	143	351	138
950	Desert Sand-LT	1618	636	1556	612	1498	589
951	Tawny-LT	313	123	301	118	290	114
975	Golden Brown-DK	202	79	195	76	187	73
976	Golden Brown-MD	159	63	153	60	147	58
977	Golden Brown-LT	60	24	58	23	56	22
3021	Brown Gray-VY DK	6	2	6	2	6	2
3022	Brown Gray-MD	12	4	12	4	11	4
3024	Brown Gray-VY LT	482	189	464	182	447	175
3032	Mocha Brown-MD	683	269	657	258	633	249
3033	Mocha Brown-VY LT	419	165	403	159	388	153
3041	Antique Violet-MD	12	4	12	4	11	4
3042	Antique Violet-LT	9	3	8	3	8	3
3045	Yellow Beige-DK	1234	485	1187	467	1143	449
3046	Yellow Beige-MD	519	204	499	196	481	189
3064	Desert Sand	263	103	253	99	243	95
3072	Beaver Gray-VY LT	3496	1376	3361	1323	3237	1274
3078	Golden Yellow-VY LT	449	176	432	170	416	163
3371	Black Brown	254	99	244	96	235	92
3727	Antique Mauve-LT	5	1	5	1	5	1
3740	Antique Violet-DK	1	1	1	1	1	1
3743	Antique Violet-VY LT	919	361	884	348	851	335
3753	Antique Blue-UL VY LT	1423	559	1368	538	1317	518
3772	Desert Sand-VY DK	536	211	516	203	497	195
3774	Desert Sand-VY LT	1027	404	987	388	951	374
3778	Terra Cotta-LT	32	12	31	12	30	11
3781	Mocha Brown-DK	400	157	384	151	370	145
3782	Mocha Brown-LT	590	232	568	223	547	215
3787	Brown Gray-DK	465	183	447	176	431	169
3790	Beige Gray-UL DK	1318	518	1268	498	1221	480
3820	Straw-DK	7	2	7	2	7	2
3826	Golden Brown	30	12	29	11	28	11
3827	Golden Brown-Pale	126	49	121	47	117	45
3828	Hazelnut Brown	626	246	602	237	580	228
3829	Old Gold-VY DK	99	38	95	37	91	35
3830	Terra Cotta-MD	28	11	27	10	26	10
3841	Baby Blue-Pale	778	306	748	294	720	283
3855	Autumn Gold-LT	27	10	26	10	25	9
3856	Mahogany-UL VY LT	500	197	480	189	463	182
3859	Rosewood-LT	528	207	507	199	489	192
3860	Cocoa	234	91	225	88	217	85
3861	Cocoa-LT	169	66	163	64	157	61
3862	Mocha Beige-DK	3305	1301	3178	1251	3060	1205
3863	Mocha Beige-MD	3255	1281	3130	1232	3014	1186
3864	Mocha Beige-LT	1315	518	1265	498	1218	479
3866	Mocha Brown-UL VY LT	5498	2164	5286	2081	5091	2004

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
224	Shell Pink-VY LT	17	6	16	6	15	6
300	Mahogany-VY DK	195	77	182	71	170	67
301	Mahogany-MD	77	30	71	28	67	26
318	Steel Gray-LT	9	3	8	3	8	3
353	Peach	124	48	116	45	109	42
356	Terra Cotta-MD	403	158	376	148	353	138
370	Mustard-MD	350	138	327	128	307	120
371	Mustard	1306	514	1219	479	1142	449
372	Mustard-LT	863	339	806	317	755	297
402	Mahogany-VY LT	181	71	169	67	159	62
407	Desert Sand-DK	1190	468	1111	437	1041	410
414	Steel Gray-DK	19	7	17	7	16	6
415	Pearl Gray	27	10	25	10	24	9
420	Hazelnut Brown-DK	1720	677	1605	632	1505	592
422	Hazelnut Brown-LT	685	269	640	251	600	236
433	Brown-MD	371	146	346	136	325	128
434	Brown-LT	536	210	500	196	469	184
435	Brown-VY LT	348	136	325	127	304	119
436	Tan	692	273	646	254	606	239
437	Tan-LT	1491	586	1391	547	1304	513
451	Shell Gray-DK	167	66	156	61	146	57
452	Shell Gray-MD	392	154	366	144	343	135
453	Shell Gray-LT	1427	562	1332	524	1249	492
543	Beige Brown-UL VY LT	1011	397	943	371	884	348
610	Drab Brown-DK	1980	779	1848	727	1733	682
611	Drab Brown	570	224	532	209	499	196
612	Drab Brown-LT	1634	643	1525	600	1430	563
613	Drab Brown-VY LT	858	338	801	315	751	295
640	Beige Gray-VY DK	400	157	373	146	350	137
644	Beige Gray-MD	538	212	502	197	471	185
645	Beaver Gray-VY DK	8	3	8	3	7	3
647	Beaver Gray-MD	111	43	103	40	97	38
648	Beaver Gray-LT	677	266	632	248	592	233
680	Old Gold-DK	63	24	59	23	55	21
729	Old Gold-MD	152	59	142	55	133	52
734	Olive Green-LT	212	83	198	77	186	73
738	Tan-VY LT	1469	578	1371	539	1285	506
739	Tan-UL VY LT	1506	593	1405	553	1317	519
745	Yellow-LT Pale	244	96	228	89	214	84
754	Peach-LT	386	152	361	142	338	133
758	Terra Cotta-VY LT	42	16	40	15	37	14
762	Pearl Gray-VY LT	4204	1655	3923	1544	3678	1448
775	Baby Blue-VY LT	1963	772	1832	721	1717	676
778	Antique Mauve-VY LT	126	50	118	46	110	43
801	Coffee Brown-DK	888	350	829	326	777	306
822	Beige Gray-LT	1824	718	1703	670	1596	628
829	Golden Olive-VY DK	325	127	303	119	284	111
830	Golden Olive-DK	12	5	11	4	11	4
839	Beige Brown-DK	618	243	577	227	541	213
840	Beige Brown-MD	634	249	592	233	555	218
841	Beige Brown-LT	645	253	602	236	564	222
842	Beige Brown-VY LT	611	240	571	224	535	210
869	Hazelnut Brown-VY DK	1063	419	992	391	930	366

898	Coffee Brown-VY DK	859	338	802	315	752	295
927	Gray Green-LT	23	8	21	8	20	7
928	Gray Green-VY LT	17	6	16	6	15	6
938	Coffee Brown-UL DK	522	205	487	191	457	179
945	Tawny	1283	505	1197	471	1122	442
948	Peach-VY LT	339	133	316	124	296	116
950	Desert Sand-LT	1445	568	1348	530	1264	497
951	Tawny-LT	280	110	261	103	245	96
975	Golden Brown-DK	181	71	169	66	158	62
976	Golden Brown-MD	142	56	133	52	124	49
977	Golden Brown-LT	54	21	50	20	47	19
3021	Brown Gray-VY DK	6	2	5	2	5	2
3022	Brown Gray-MD	11	4	10	4	10	3
3024	Brown Gray-VY LT	431	169	402	158	377	148
3032	Mocha Brown-MD	610	240	569	224	534	210
3033	Mocha Brown-VY LT	374	147	349	137	327	129
3041	Antique Violet-MD	11	4	10	4	10	3
3042	Antique Violet-LT	8	3	7	2	7	2
3045	Yellow Beige-DK	1102	433	1028	404	964	379
3046	Yellow Beige-MD	464	182	433	170	406	159
3064	Desert Sand	235	92	219	86	205	80
3072	Beaver Gray-VY LT	3121	1229	2913	1147	2731	1075
3078	Golden Yellow-VY LT	401	158	374	147	351	138
3371	Black Brown	227	89	212	83	199	78
3727	Antique Mauve-LT	5	1	4	1	4	1
3740	Antique Violet-DK	1	1	1	1	1	1
3743	Antique Violet-VY LT	821	323	766	301	718	282
3753	Antique Blue-UL VY LT	1270	500	1186	466	1112	437
3772	Desert Sand-VY DK	479	188	447	176	419	165
3774	Desert Sand-VY LT	917	361	856	337	802	316
3778	Terra Cotta-LT	29	11	27	10	25	10
3781	Mocha Brown-DK	357	140	333	131	312	123
3782	Mocha Brown-LT	527	207	492	193	461	181
3787	Brown Gray-DK	415	163	388	152	363	143
3790	Beige Gray-UL DK	1177	463	1099	432	1030	405
3820	Straw-DK	6	2	6	2	6	2
3826	Golden Brown	27	10	25	10	24	9
3827	Golden Brown-Pale	113	44	105	41	98	38
3828	Hazelnut Brown	559	220	522	205	489	192
3829	Old Gold-VY DK	88	34	82	32	77	30
3830	Terra Cotta-MD	25	10	23	9	22	8
3841	Baby Blue-Pale	694	273	648	255	608	239
3855	Autumn Gold-LT	24	9	23	8	21	8
3856	Mahogany-UL VY LT	446	176	416	164	390	154
3859	Rosewood-LT	471	185	440	173	412	162
3860	Cocoa	209	82	195	76	183	71
3861	Cocoa-LT	151	59	141	55	132	52
3862	Mocha Beige-DK	2951	1162	2754	1084	2582	1016
3863	Mocha Beige-MD	2906	1144	2713	1067	2543	1001
3864	Mocha Beige-LT	1175	462	1096	431	1028	404
3866	Mocha Brown-UL VY LT	4909	1932	4582	1804	4295	1691

		10	20	30	40	50
	10	...	...	...	...	...
	20	...	...	...	...	...
	30	...	...	...	...	...
	40	...	...	...	...	...
	50	...	...	...	...	...
	60	...	...	...	...	...
	70	...	...	...	...	...

$$(19) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

$$(20) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (21)$$

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

[illegible]

$$(23) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (24)$$

$$(24) \quad \mathcal{H}^{\text{reg}}_{\text{reg}} = \mathcal{H}^{\text{reg}}_{\text{reg}} \quad (25)$$

$$(25) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (26)$$

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

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

	480	490	500	510	520	530
10	2	2	2	2	2	2
20	2	2	2	2	2	2
30	2	2	2	2	2	2
40	2	2	2	2	2	2
50	2	2	2	2	2	2
60	2	2	2	2	2	2
70	2	2	2	2	2	2
80	2	2	2	2	2	2
90	2	2	2	2	2	2
100	2	2	2	2	2	2
110	2	2	2	2	2	2
120	2	2	2	2	2	2
130	2	2	2	2	2	2
140	2	2	2	2	2	2
150	2	2	2	2	2	2
160	2	2	2	2	2	2
170	2	2	2	2	2	2
180	2	2	2	2	2	2
190	2	2	2	2	2	2
200	2	2	2	2	2	2
210	2	2	2	2	2	2
220	2	2	2	2	2	2
230	2	2	2	2	2	2
240	2	2	2	2	2	2
250	2	2	2	2	2	2
260	2	2	2	2	2	2
270	2	2	2	2	2	2
280	2	2	2	2	2	2
290	2	2	2	2	2	2
300	2	2	2	2	2	2
310	2	2	2	2	2	2
320	2	2	2	2	2	2
330	2	2	2	2	2	2
340	2	2	2	2	2	2
350	2	2	2	2	2	2
360	2	2	2	2	2	2
370	2	2	2	2	2	2
380	2	2	2	2	2	2
390	2	2	2	2	2	2
400	2	2	2	2	2	2
410	2	2	2	2	2	2
420	2	2	2	2	2	2
430	2	2	2	2	2	2
440	2	2	2	2	2	2
450	2	2	2	2	2	2
460	2	2	2	2	2	2
470	2	2	2	2	2	2
480	2	2	2	2	2	2
490	2	2	2	2	2	2
500	2	2	2	2	2	2
510	2	2	2	2	2	2
520	2	2	2	2	2	2
530	2	2	2	2	2	2
540	2	2	2	2	2	2
550	2	2	2	2	2	2
560	2	2	2	2	2	2
570	2	2	2	2	2	2
580	2	2	2	2	2	2
590	2	2	2	2	2	2
600	2	2	2	2	2	2
610	2	2	2	2	2	2
620	2	2	2	2	2	2
630	2	2	2	2	2	2
640	2	2	2	2	2	2
650	2	2	2	2	2	2
660	2	2	2	2	2	2
670	2	2	2	2	2	2
680	2	2	2	2	2	2
690	2	2	2	2	2	2
700	2	2	2	2	2	2
710	2	2	2	2	2	2
720	2	2	2	2	2	2
730	2	2	2	2	2	2
740	2	2	2	2	2	2
750	2	2	2	2	2	2
760	2	2	2	2	2	2
770	2	2	2	2	2	2
780	2	2	2	2	2	2
790	2	2	2	2	2	2
800	2	2	2	2	2	2
810	2	2	2	2	2	2
820	2	2	2	2	2	2
830	2	2	2	2	2	2
840	2	2	2	2	2	2
850	2	2	2	2	2	2
860	2	2	2	2	2	2
870	2	2	2	2	2	2
880	2	2	2	2	2	2
890	2	2	2	2	2	2
900	2	2	2	2	2	2
910	2	2	2	2	2	2
920	2	2	2	2	2	2
930	2	2	2	2	2	2
940	2	2	2	2	2	2
950	2	2	2	2	2	2
960	2	2	2	2	2	2
970	2	2	2	2	2	2
980	2	2	2	2	2	2
990	2	2	2	2	2	2
1000	2	2	2	2	2	2

[illegible]

$$(30) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

[illegible]

$$(32) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (33)$$

$$(33) \quad \mathcal{H}^{\text{reg}}_{\text{reg}} = \mathcal{H}^{\text{reg}}_{\text{reg}} \quad (34)$$

(34)

$$(35) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

$$(36) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

$$(37) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

(39)

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

$$(40) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

$$(41) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (42)$$

$$(42) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \mathcal{I}_\alpha f(t), \quad t \in [0, T],$$

[illegible]

[illegible]

$$(45) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

	530	540	550	560	570
70	2	2	2	2	2
80	2	2	2	2	2
90	2	2	2	2	2
100	2	2	2	2	2
110	2	2	2	2	2
120	2	2	2	2	2
130	2	2	2	2	2
140	2	2	2	2	2
150	2	2	2	2	2
160	2	2	2	2	2
170	2	2	2	2	2
180	2	2	2	2	2
190	2	2	2	2	2
200	2	2	2	2	2
210	2	2	2	2	2
220	2	2	2	2	2
230	2	2	2	2	2
240	2	2	2	2	2
250	2	2	2	2	2
260	2	2	2	2	2
270	2	2	2	2	2
280	2	2	2	2	2
290	2	2	2	2	2
300	2	2	2	2	2
310	2	2	2	2	2
320	2	2	2	2	2
330	2	2	2	2	2
340	2	2	2	2	2
350	2	2	2	2	2
360	2	2	2	2	2
370	2	2	2	2	2
380	2	2	2	2	2
390	2	2	2	2	2
400	2	2	2	2	2
410	2	2	2	2	2
420	2	2	2	2	2
430	2	2	2	2	2
440	2	2	2	2	2
450	2	2	2	2	2
460	2	2	2	2	2
470	2	2	2	2	2
480	2	2	2	2	2
490	2	2	2	2	2
500	2	2	2	2	2
510	2	2	2	2	2
520	2	2	2	2	2
530	2	2	2	2	2
540	2	2	2	2	2
550	2	2	2	2	2
560	2	2	2	2	2
570	2	2	2	2	2
580	2	2	2	2	2
590	2	2	2	2	2
600	2	2	2	2	2
610	2	2	2	2	2
620	2	2	2	2	2
630	2	2	2	2	2
640	2	2	2	2	2
650	2	2	2	2	2
660	2	2	2	2	2
670	2	2	2	2	2
680	2	2	2	2	2
690	2	2	2	2	2
700	2	2	2	2	2
710	2	2	2	2	2
720	2	2	2	2	2
730	2	2	2	2	2
740	2	2	2	2	2
750	2	2	2	2	2
760	2	2	2	2	2
770	2	2	2	2	2
780	2	2	2	2	2
790	2	2	2	2	2
800	2	2	2	2	2
810	2	2	2	2	2
820	2	2	2	2	2
830	2	2	2	2	2
840	2	2	2	2	2
850	2	2	2	2	2
860	2	2	2	2	2
870	2	2	2	2	2
880	2	2	2	2	2
890	2	2	2	2	2
900	2	2	2	2	2
910	2	2	2	2	2
920	2	2	2	2	2
930	2	2	2	2	2
940	2	2	2	2	2
950	2	2	2	2	2
960	2	2	2	2	2
970	2	2	2	2	2
980	2	2	2	2	2
990	2	2	2	2	2
1000	2	2	2	2	2

(48)

[illegible]

[illegible]

	720	730	740	750	760	770
70						
80						
90						
100						
110						
120						
130						

(51)

[illegible]

[illegible]

$$(54) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

$$(55) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

[illegible]

$$(57) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

	290	300	310	320	330
140	o	o	o	o	o
150	o	o	o	o	o
160	o	o	o	o	o
170	o	o	o	o	o
180	o	o	o	o	o
190	o	o	o	o	o
200	o	o	o	o	o
210	o	o	o	o	o
220	o	o	o	o	o
230	o	o	o	o	o
240	o	o	o	o	o
250	o	o	o	o	o
260	o	o	o	o	o
270	o	o	o	o	o
280	o	o	o	o	o
290	o	o	o	o	o
300	o	o	o	o	o
310	o	o	o	o	o
320	o	o	o	o	o
330	o	o	o	o	o
340	o	o	o	o	o
350	o	o	o	o	o
360	o	o	o	o	o
370	o	o	o	o	o
380	o	o	o	o	o
390	o	o	o	o	o
400	o	o	o	o	o
410	o	o	o	o	o
420	o	o	o	o	o
430	o	o	o	o	o
440	o	o	o	o	o
450	o	o	o	o	o
460	o	o	o	o	o
470	o	o	o	o	o
480	o	o	o	o	o
490	o	o	o	o	o
500	o	o	o	o	o
510	o	o	o	o	o
520	o	o	o	o	o
530	o	o	o	o	o
540	o	o	o	o	o
550	o	o	o	o	o
560	o	o	o	o	o
570	o	o	o	o	o
580	o	o	o	o	o
590	o	o	o	o	o
600	o	o	o	o	o
610	o	o	o	o	o
620	o	o	o	o	o
630	o	o	o	o	o
640	o	o	o	o	o
650	o	o	o	o	o
660	o	o	o	o	o
670	o	o	o	o	o
680	o	o	o	o	o
690	o	o	o	o	o
700	o	o	o	o	o
710	o	o	o	o	o
720	o	o	o	o	o
730	o	o	o	o	o
740	o	o	o	o	o
750	o	o	o	o	o
760	o	o	o	o	o
770	o	o	o	o	o
780	o	o	o	o	o
790	o	o	o	o	o
800	o	o	o	o	o
810	o	o	o	o	o
820	o	o	o	o	o
830	o	o	o	o	o
840	o	o	o	o	o
850	o	o	o	o	o
860	o	o	o	o	o
870	o	o	o	o	o
880	o	o	o	o	o
890	o	o	o	o	o
900	o	o	o	o	o
910	o	o	o	o	o
920	o	o	o	o	o
930	o	o	o	o	o
940	o	o	o	o	o
950	o	o	o	o	o
960	o	o	o	o	o
970	o	o	o	o	o
980	o	o	o	o	o
990	o	o	o	o	o
1000	o	o	o	o	o

[illegible]

$$(60) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

[illegible]

[illegible]

$$(63) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

$$(64) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

$$(65) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

	680										690										700										710										720									
140	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
150	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
160	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
170	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
180	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
190	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
200	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			

$$(67) \quad \text{[...]} \quad (68)$$

(68)

$$(69) \quad \begin{aligned} & \text{[The } \langle \text{N} \rangle \text{ is a } \langle \text{N} \rangle \text{]} \\ & \text{[The } \langle \text{N} \rangle \text{ is a } \langle \text{N} \rangle \text{]} \end{aligned} \quad (70)$$

[illegible]

[illegible]

[illegible]

$$(73) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \mathcal{I}_\alpha f(t), \quad t \in [0, T],$$

[illegible]

	290	300	310	320	330
210
220
230
240
250
260
270

$$(76) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (77)$$

(78)

[illegible]

[illegible]

$$(80) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

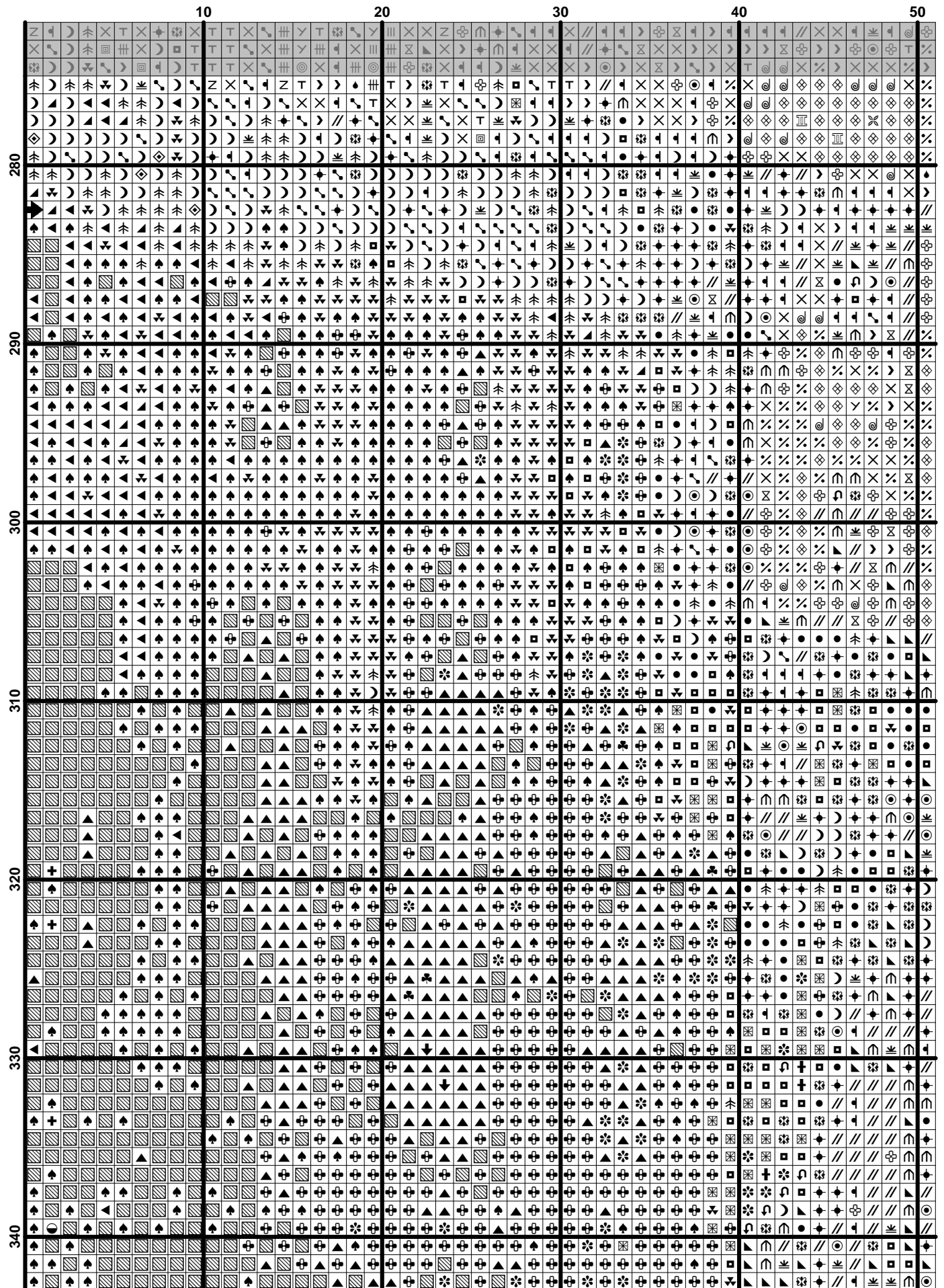
[illegible]

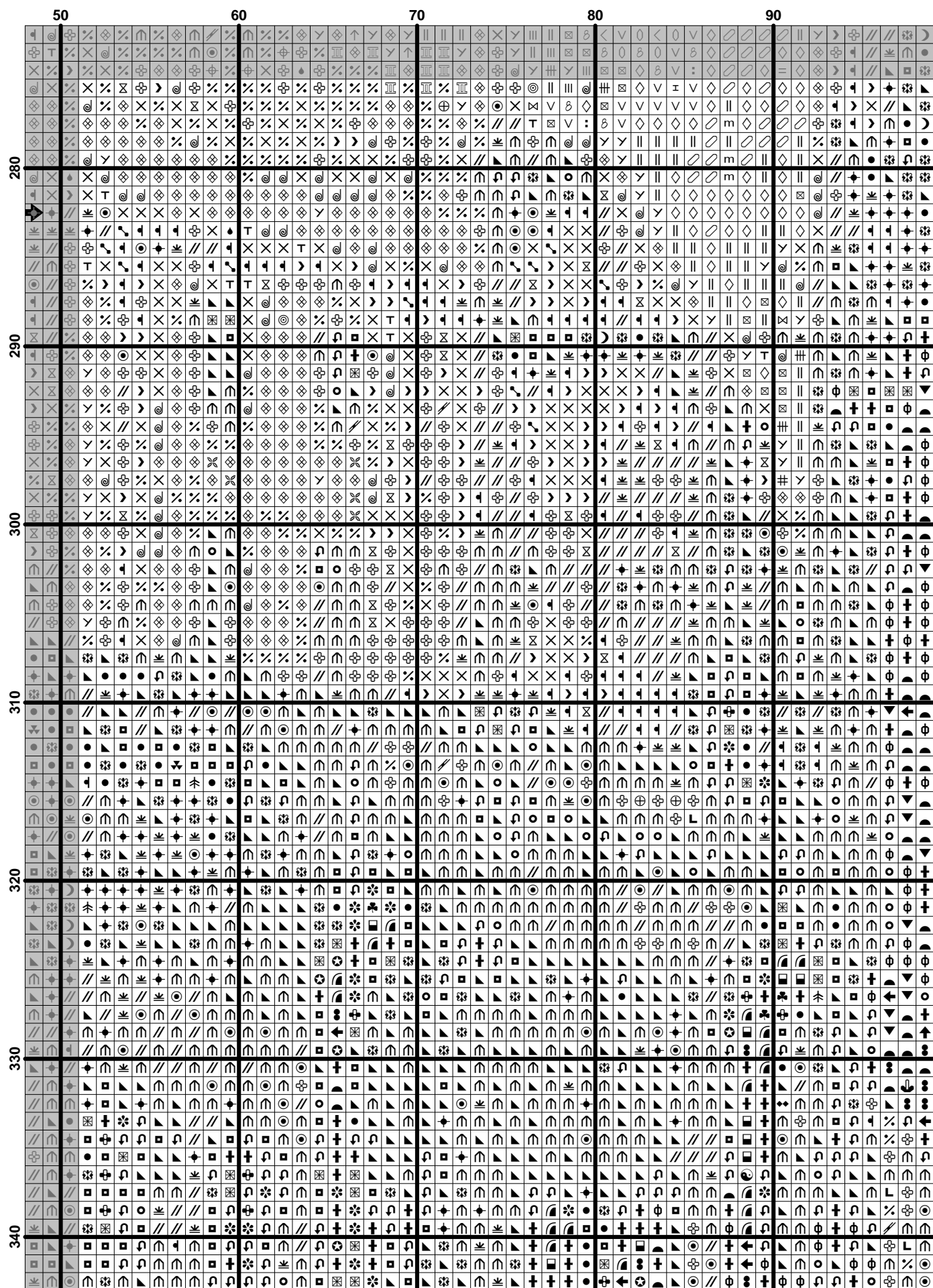
$$(82) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (83)$$

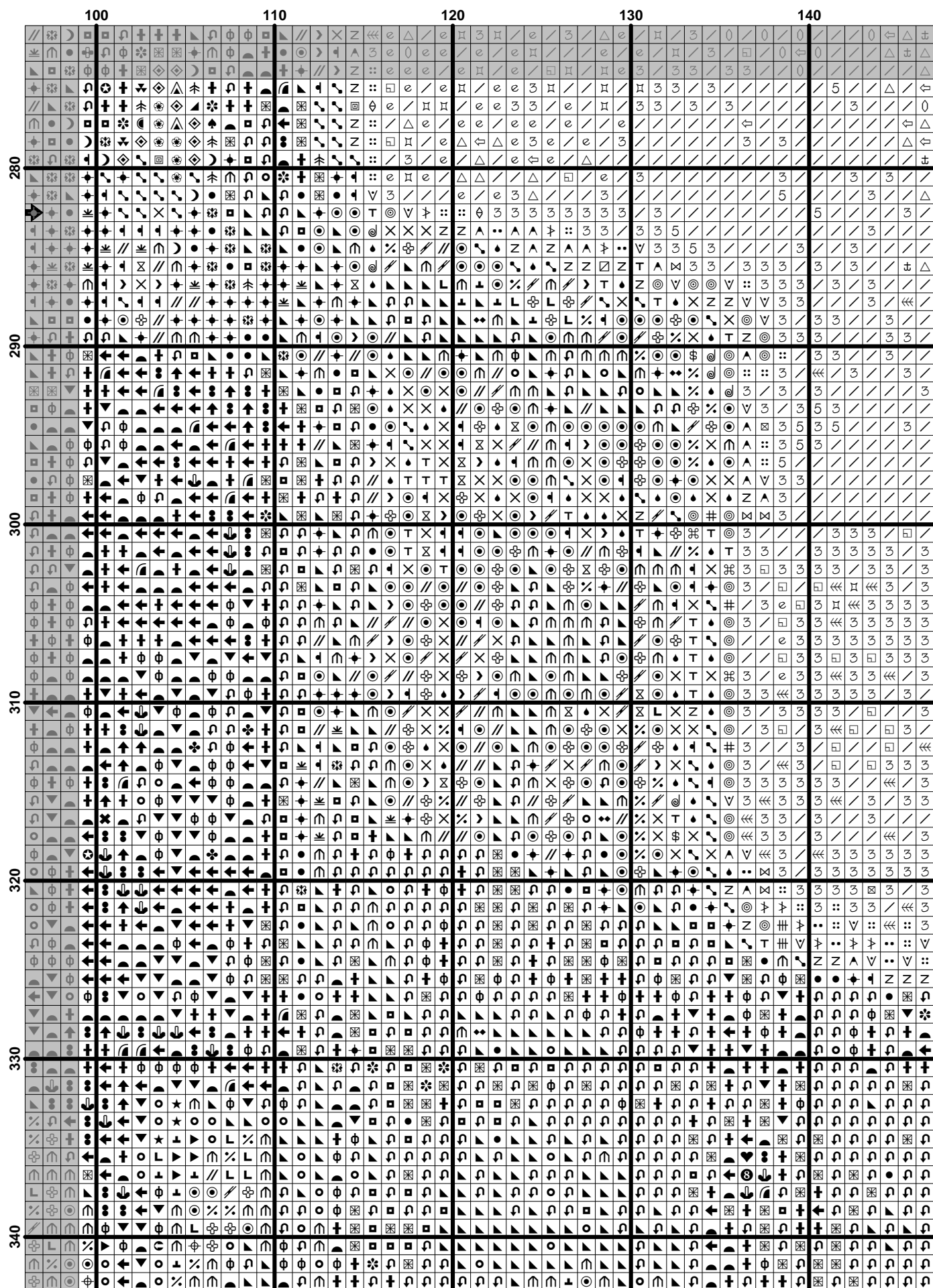
[illegible]

$$(84) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

(85)







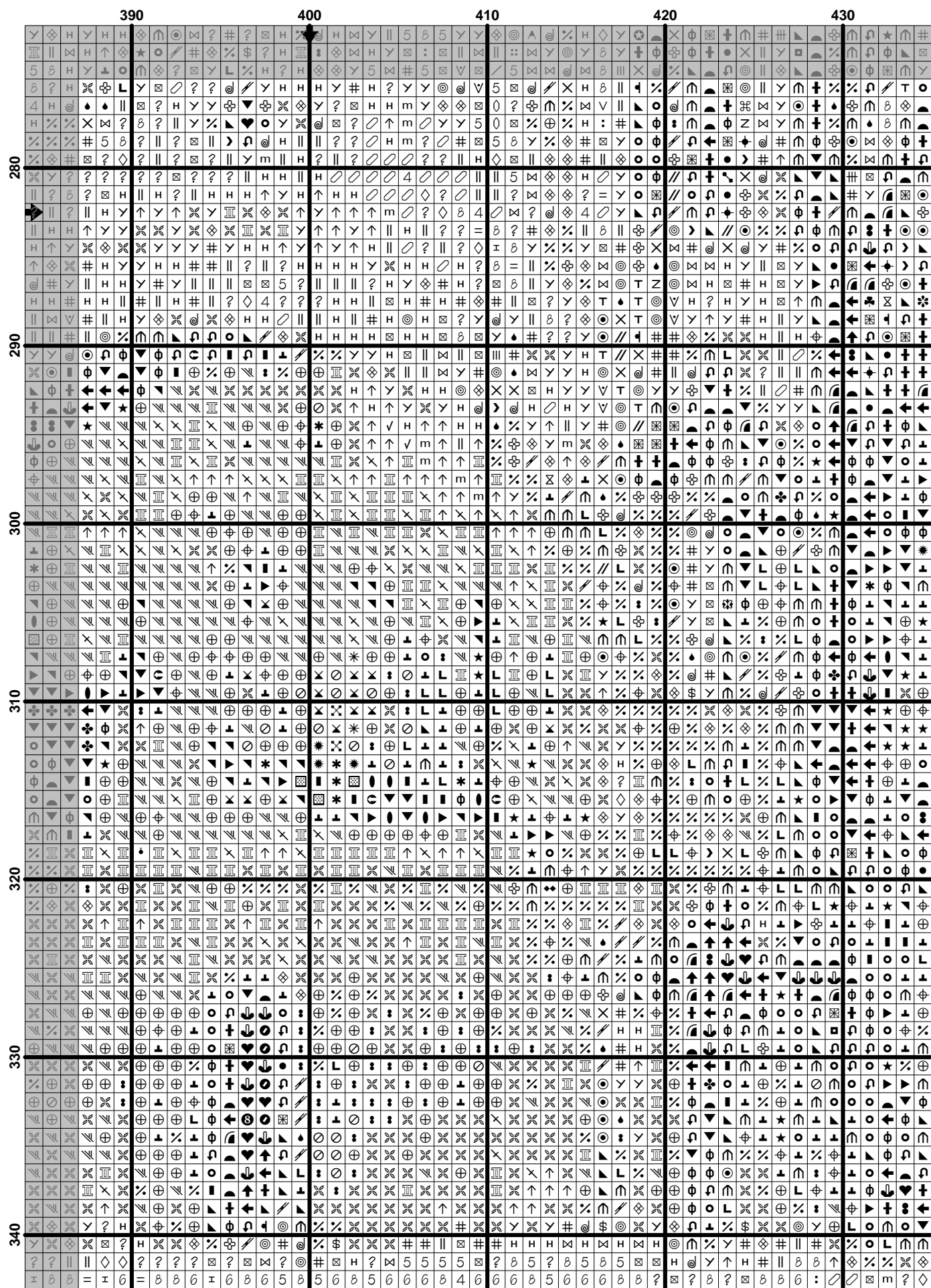
$$(89) \quad \left(\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}(x-y)^2} f(y) dy \right) = f(x)$$

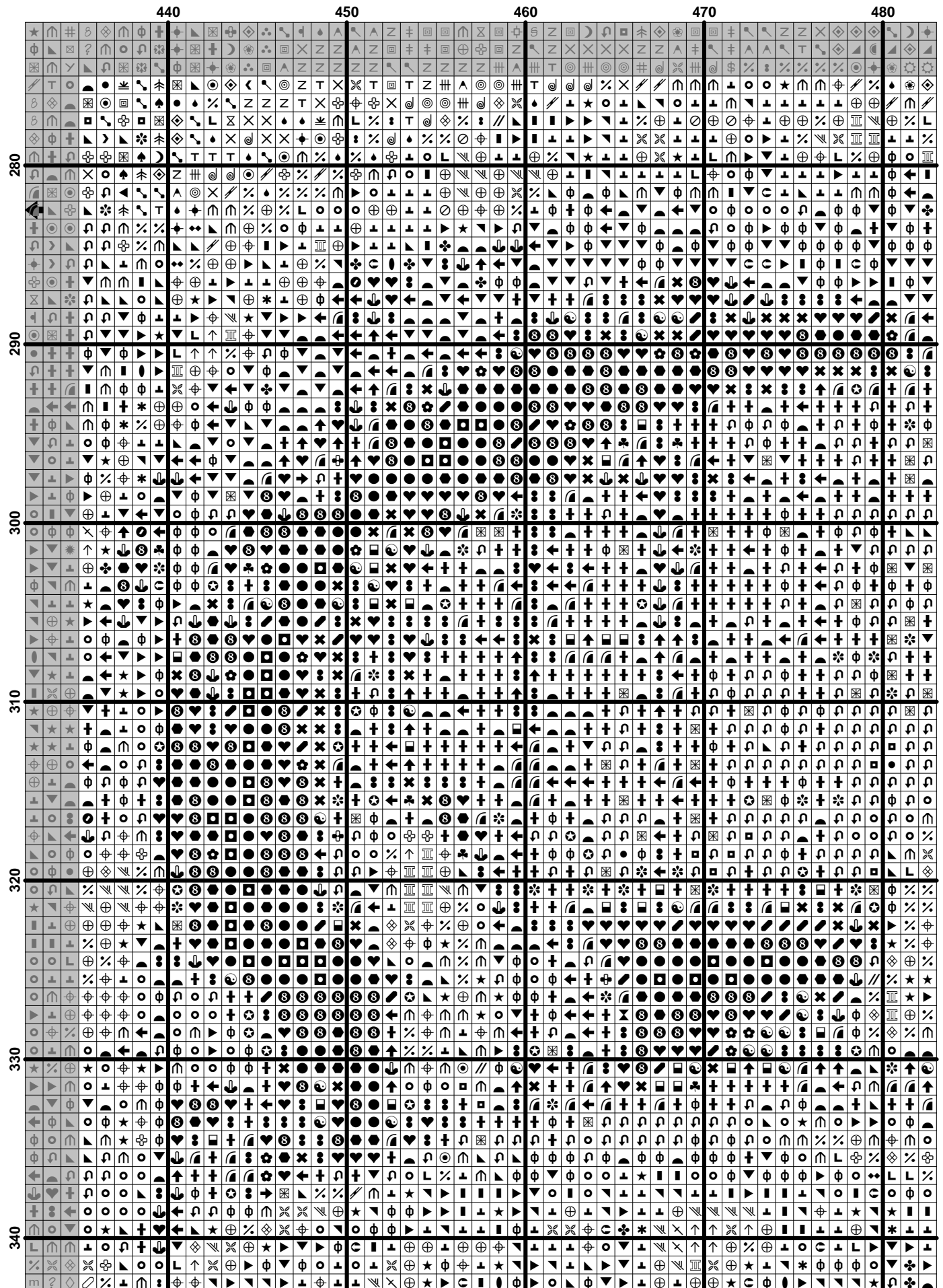
$$(90) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

$$(91) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

$$(92) \quad \mathcal{H}^{\text{reg}}_{\text{reg}} = \mathcal{H}^{\text{reg}}_{\text{reg}} \quad (93)$$

(94)





$$(96) \quad \frac{1}{\Gamma(\alpha)} \int_0^1 (1-s)^{\alpha-1} s^{\alpha-1} ds = \frac{1}{\Gamma(\alpha)} \int_0^1 (1-s)^{\alpha-1} ds = \frac{1}{\Gamma(\alpha)} \left[-\frac{(1-s)^\alpha}{\alpha} \right]_0^1 = \frac{1}{\Gamma(\alpha)} \left(-\frac{(1-1)^\alpha}{\alpha} + \frac{(1-0)^\alpha}{\alpha} \right) = \frac{1}{\Gamma(\alpha)} \left(-\frac{0^\alpha}{\alpha} + \frac{1^\alpha}{\alpha} \right) = \frac{1}{\Gamma(\alpha)} \left(-\frac{0}{\alpha} + \frac{1}{\alpha} \right) = \frac{1}{\Gamma(\alpha)} \left(\frac{1}{\alpha} \right) = \frac{1}{\Gamma(\alpha)} \frac{1}{\alpha} = \frac{1}{\Gamma(\alpha+1)} \quad (97)$$

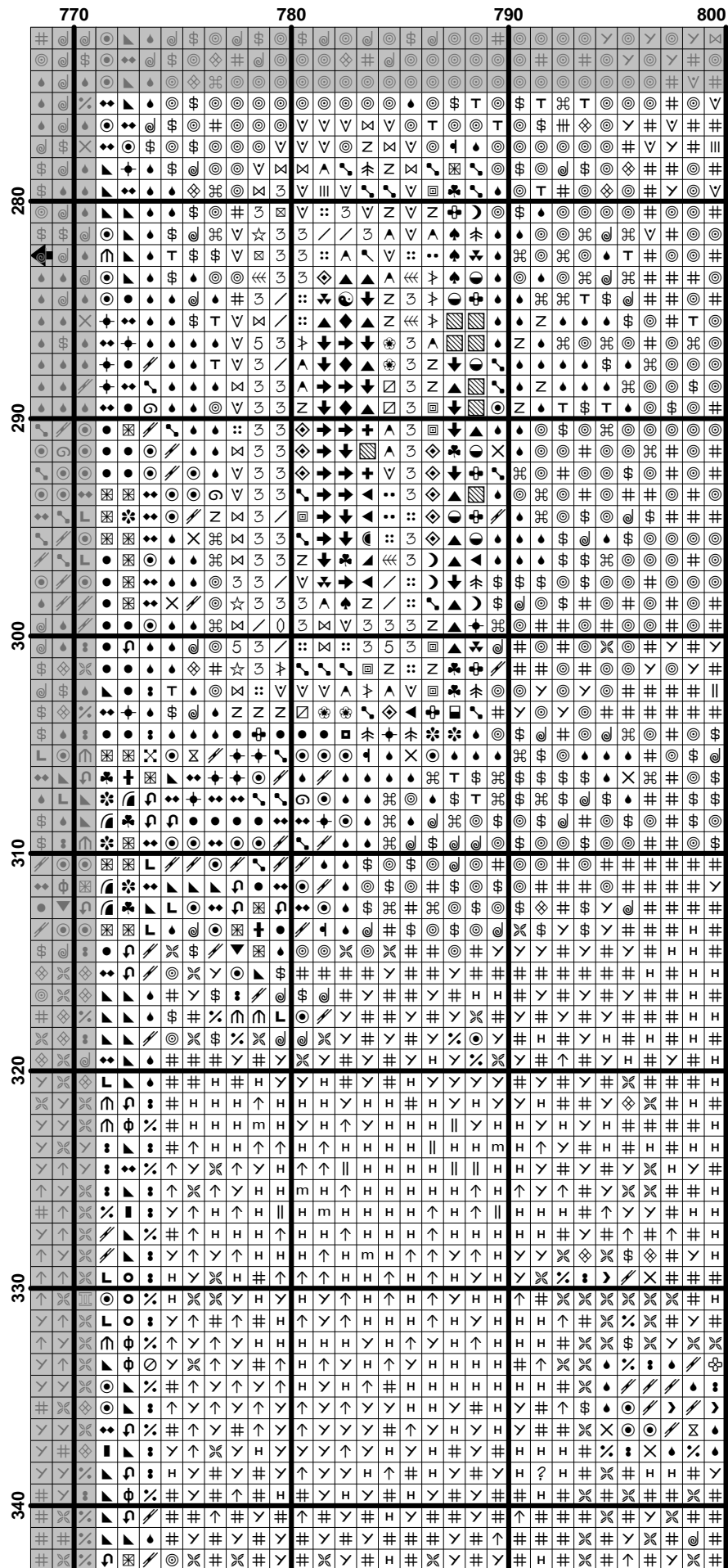
$$(97) \quad \text{[...]} \quad (98)$$

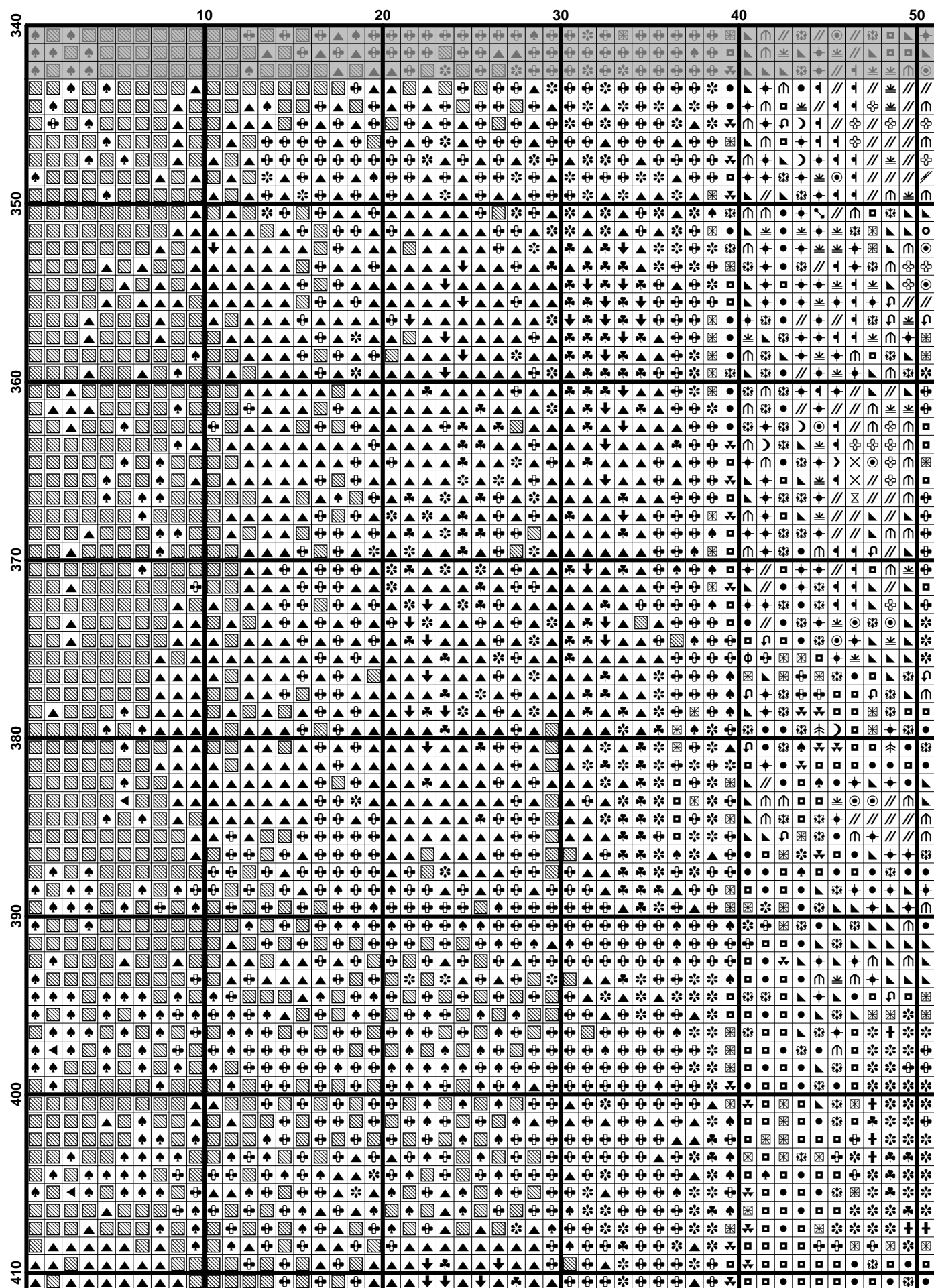
$$(98) \quad \left(\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-t^2} dt \right)^n = \frac{n!}{2^n n!} \left(\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-t^2} dt \right)^n$$

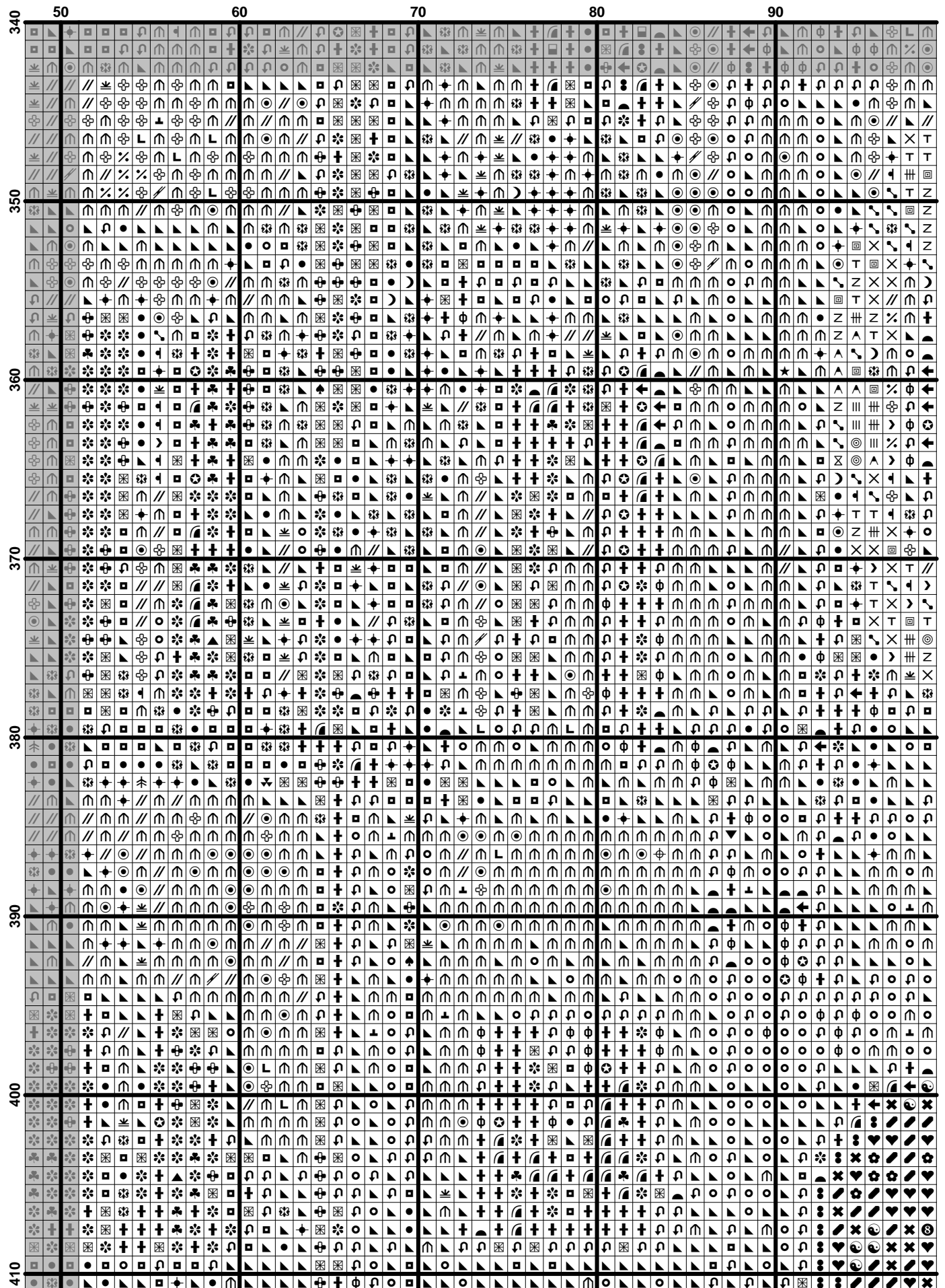
$$(99) \quad \text{[The rest of the page content is missing, but the structure is clear from the previous blocks.]} \quad (100)$$

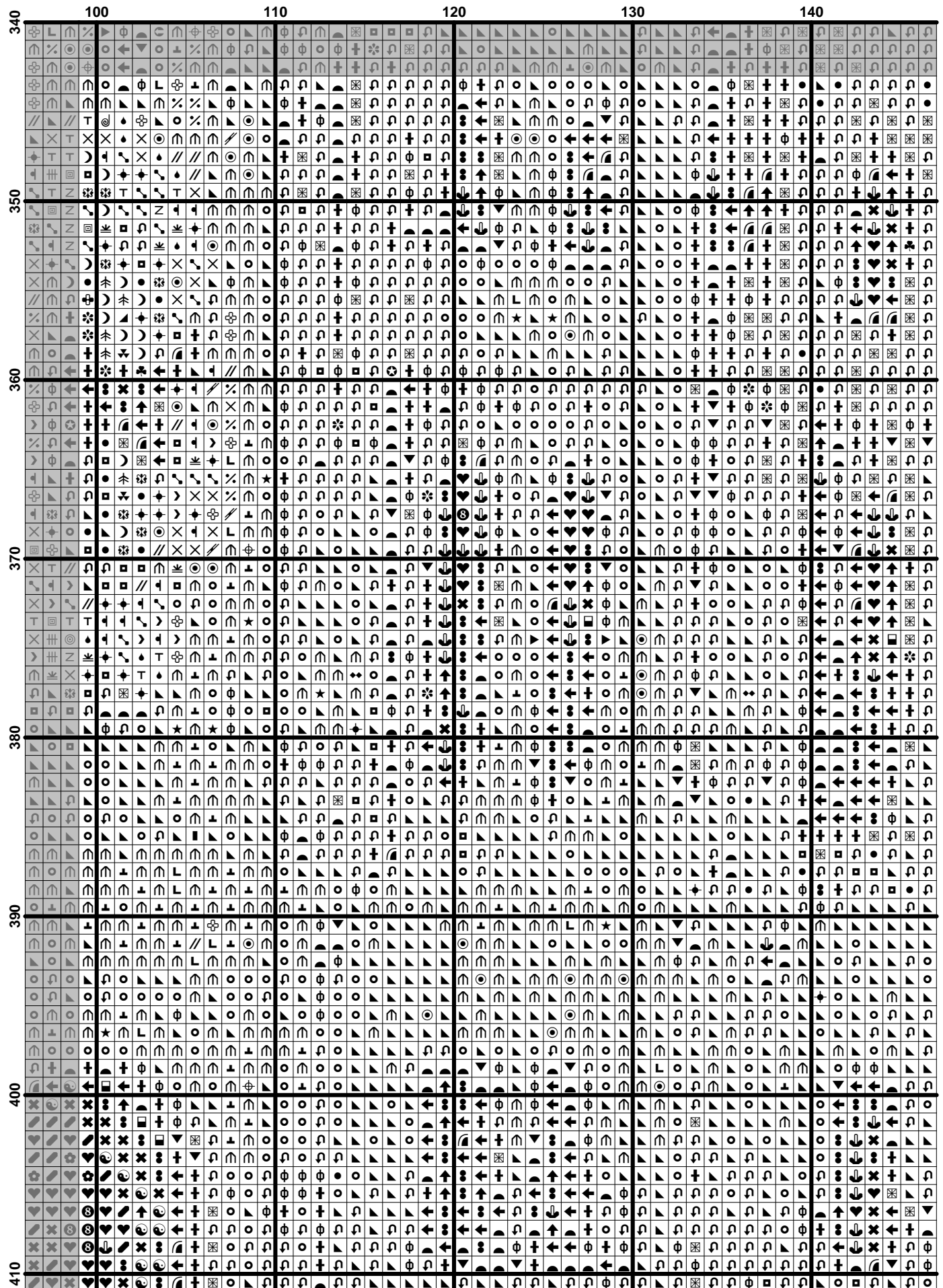
(101)

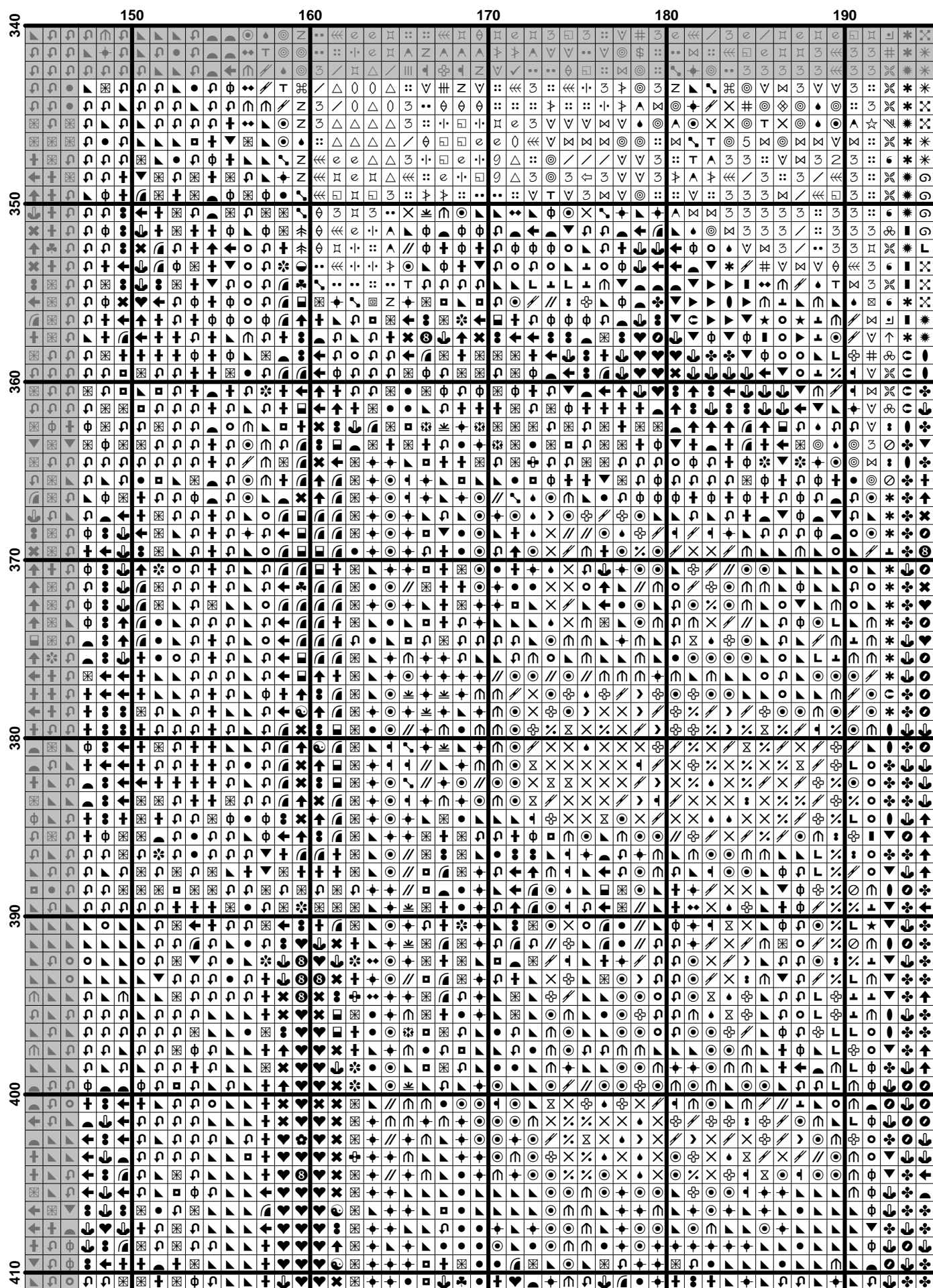
(102)

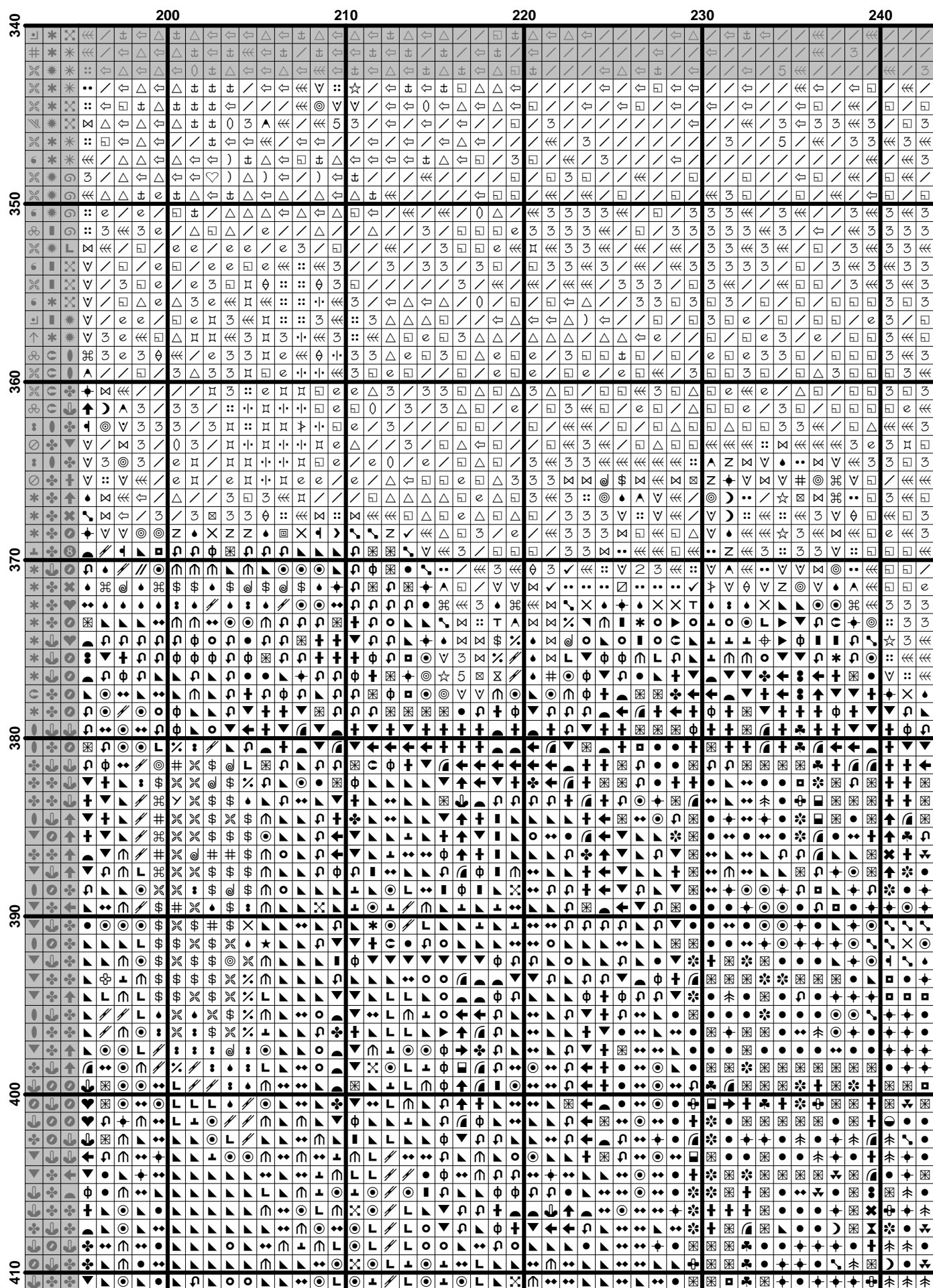


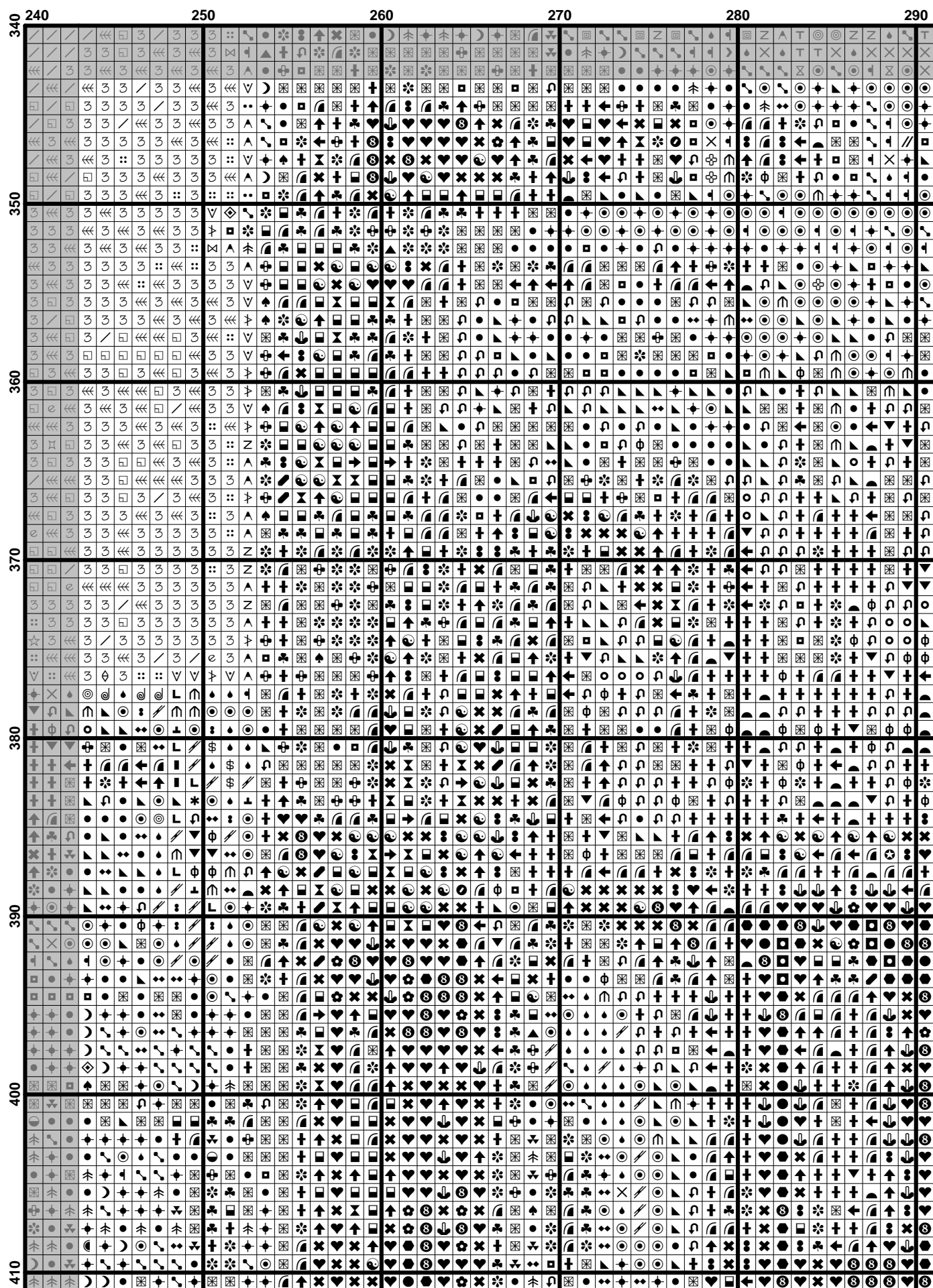


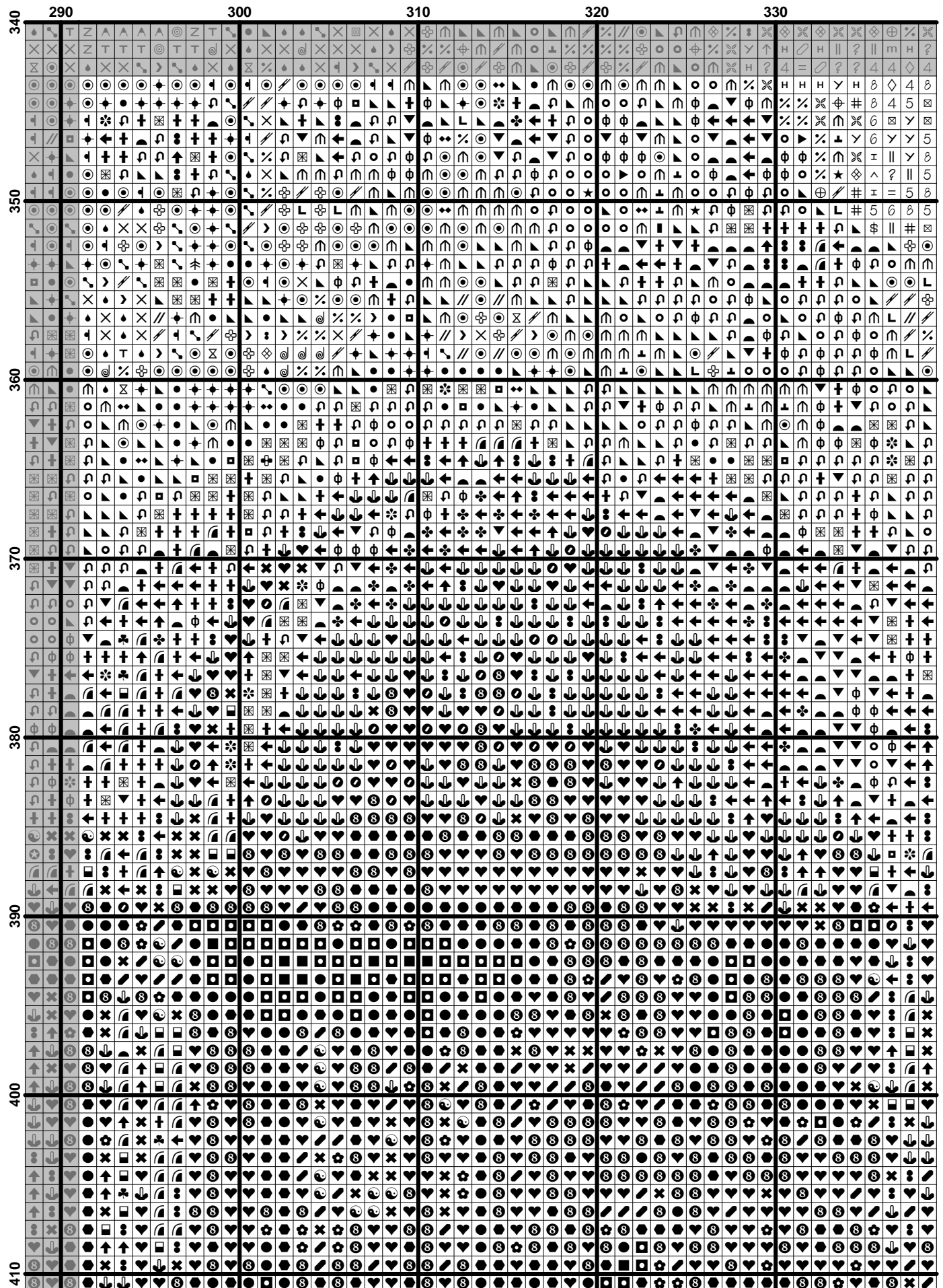






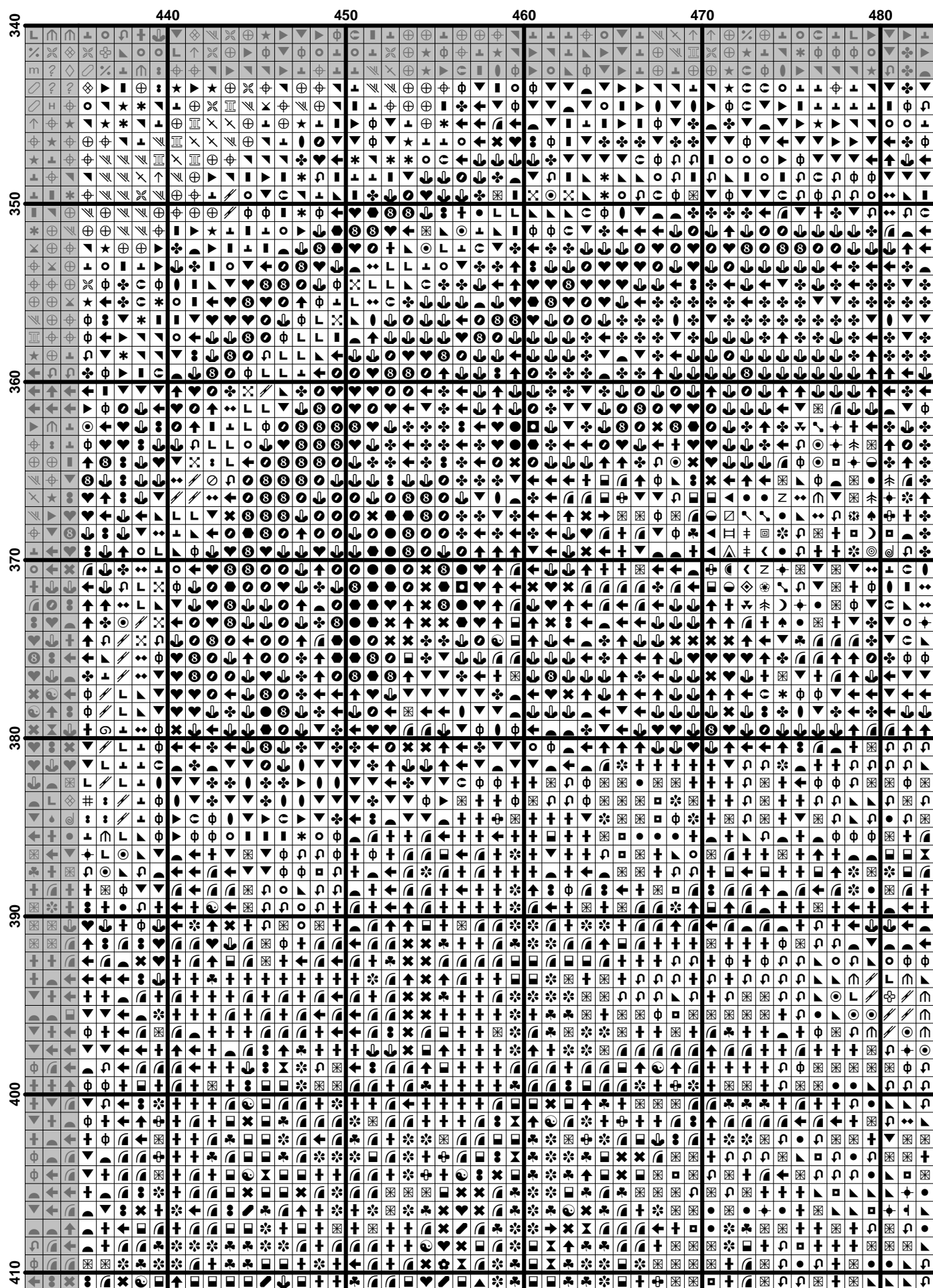






(111)

(112)



(114)

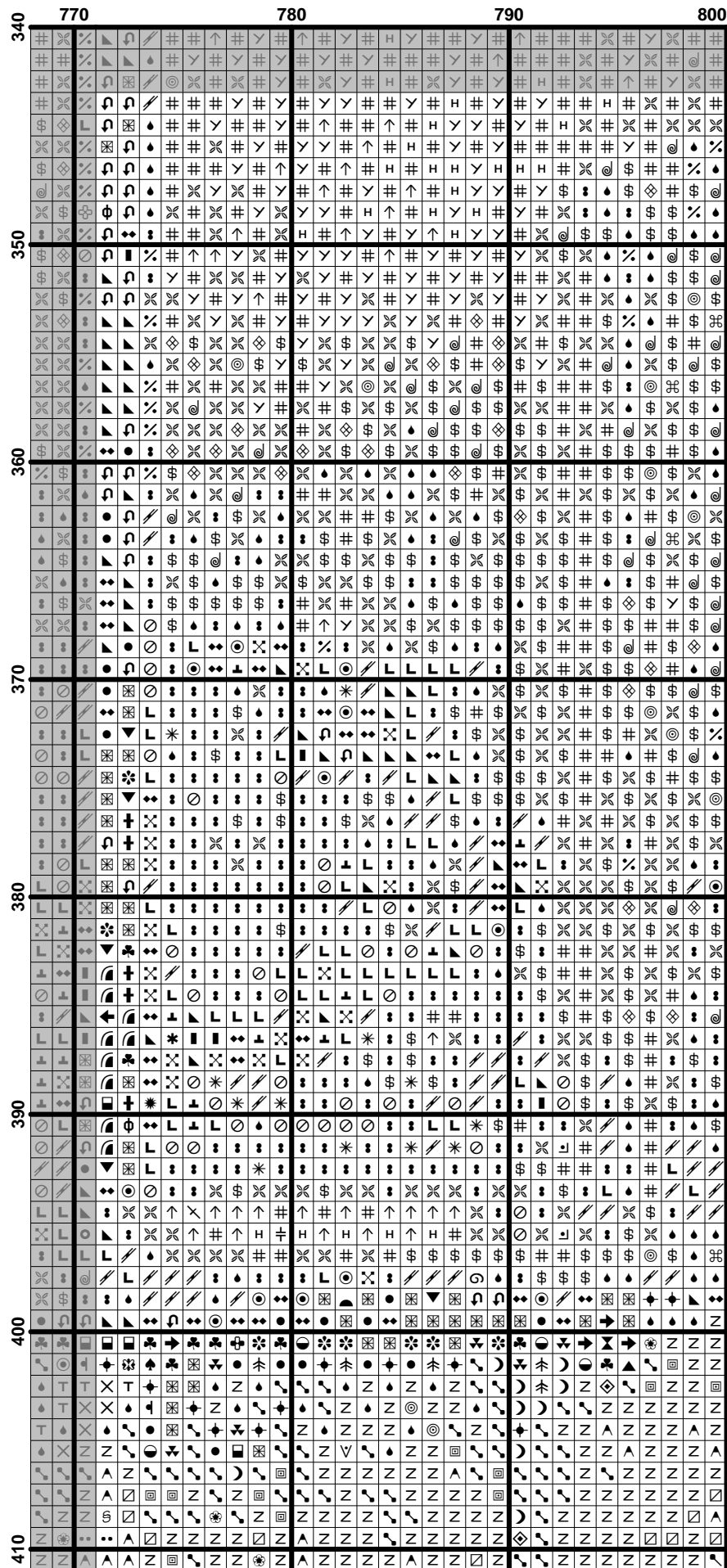
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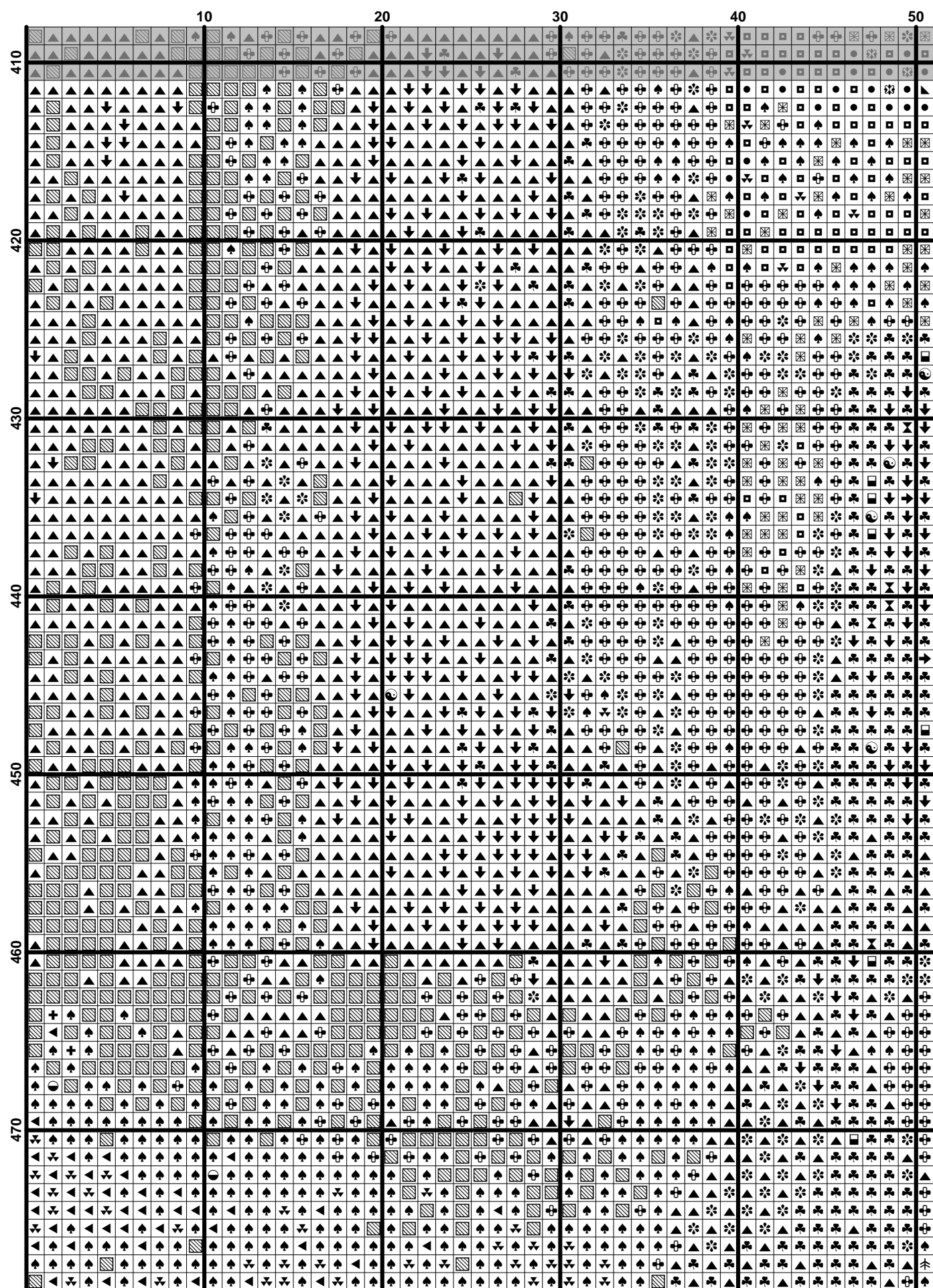
(116)

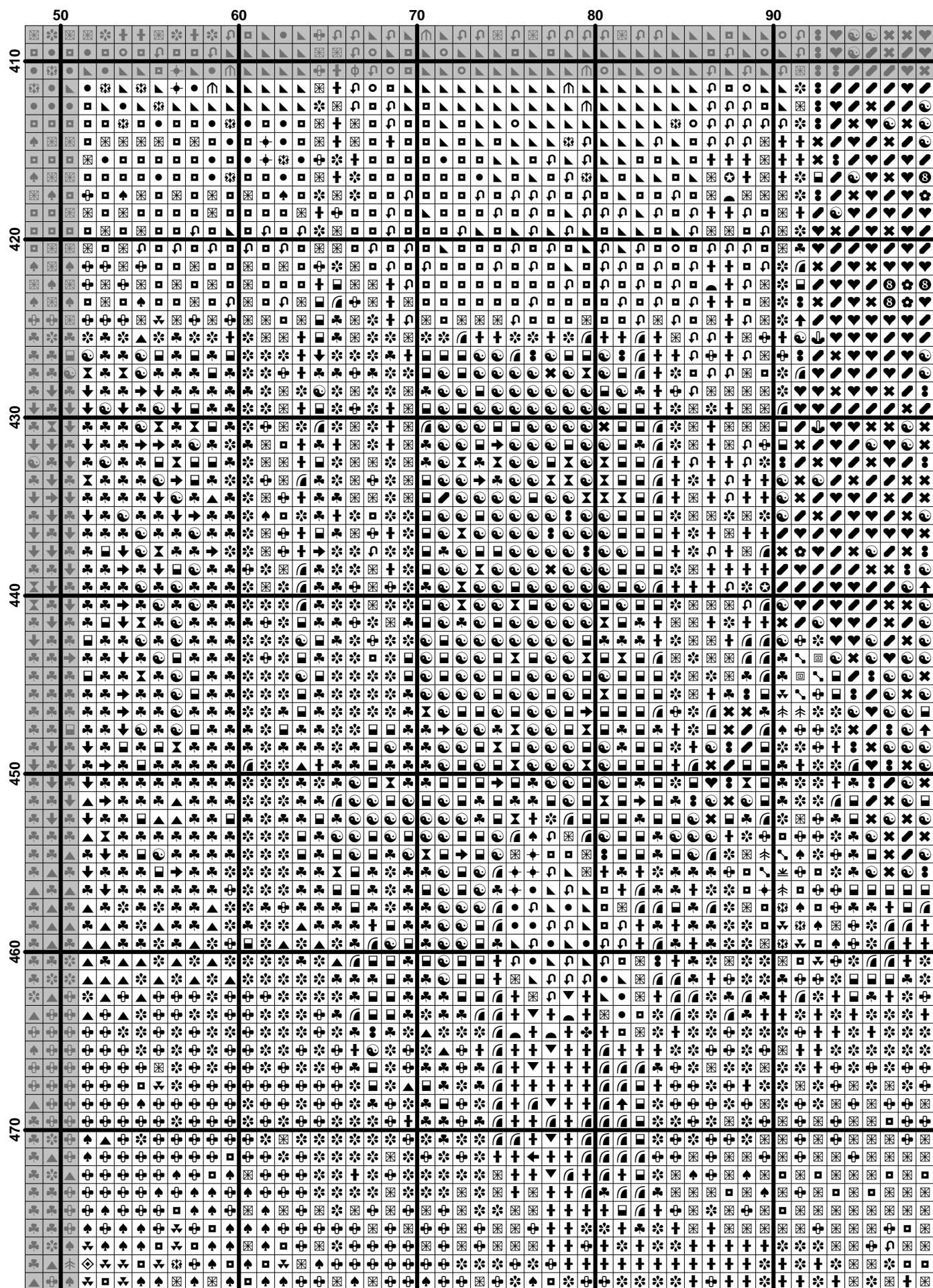
(117)

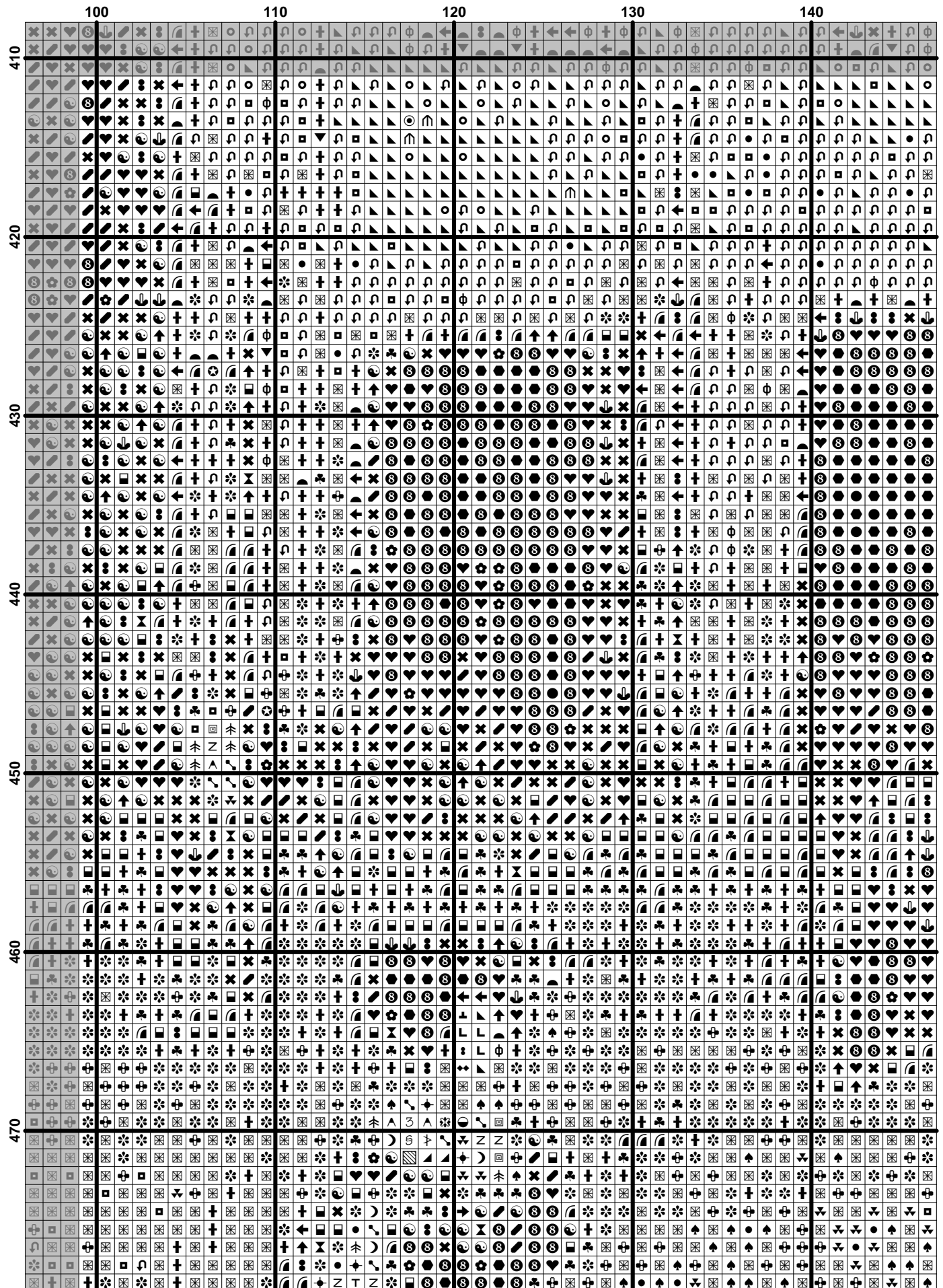
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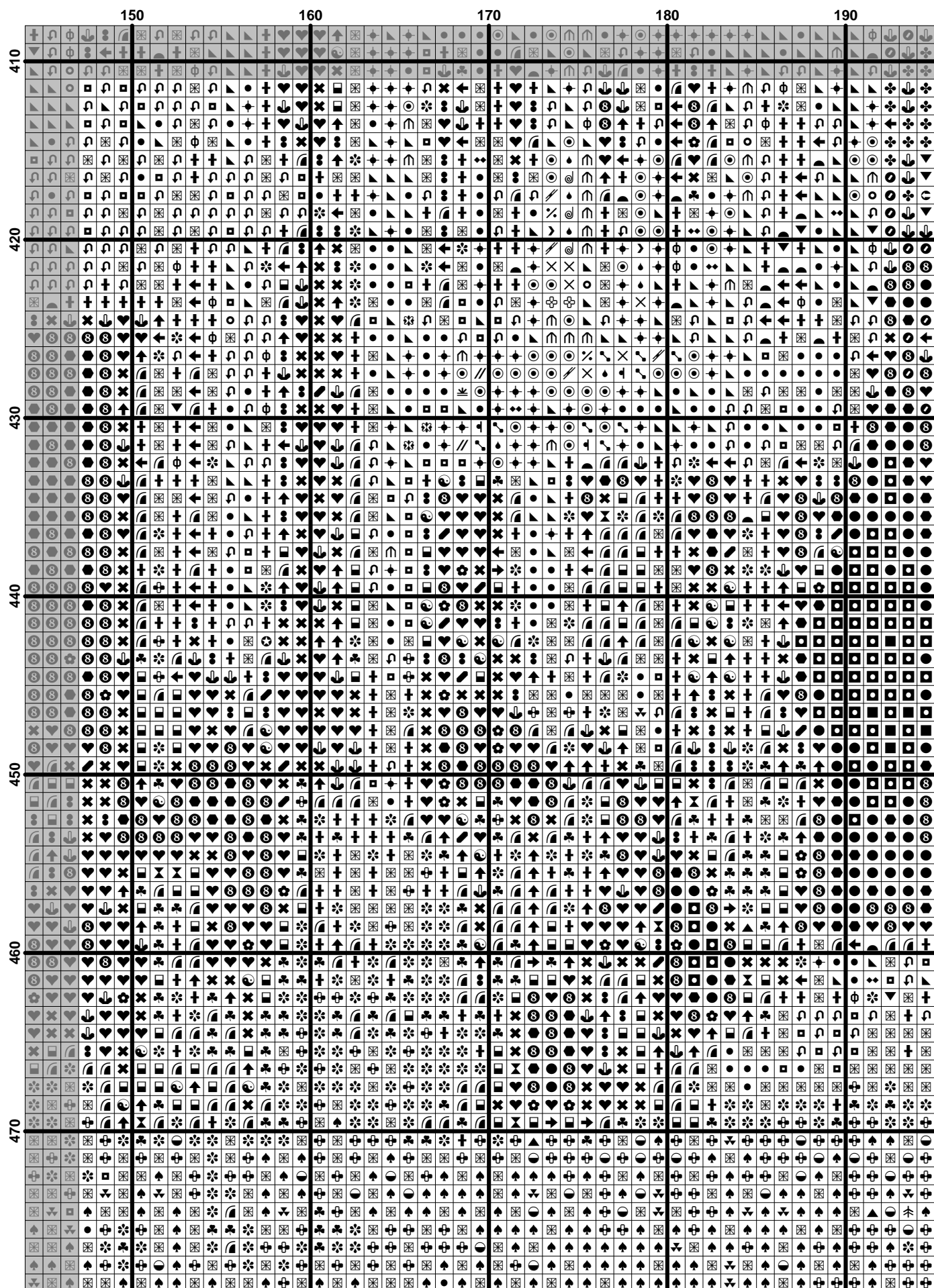
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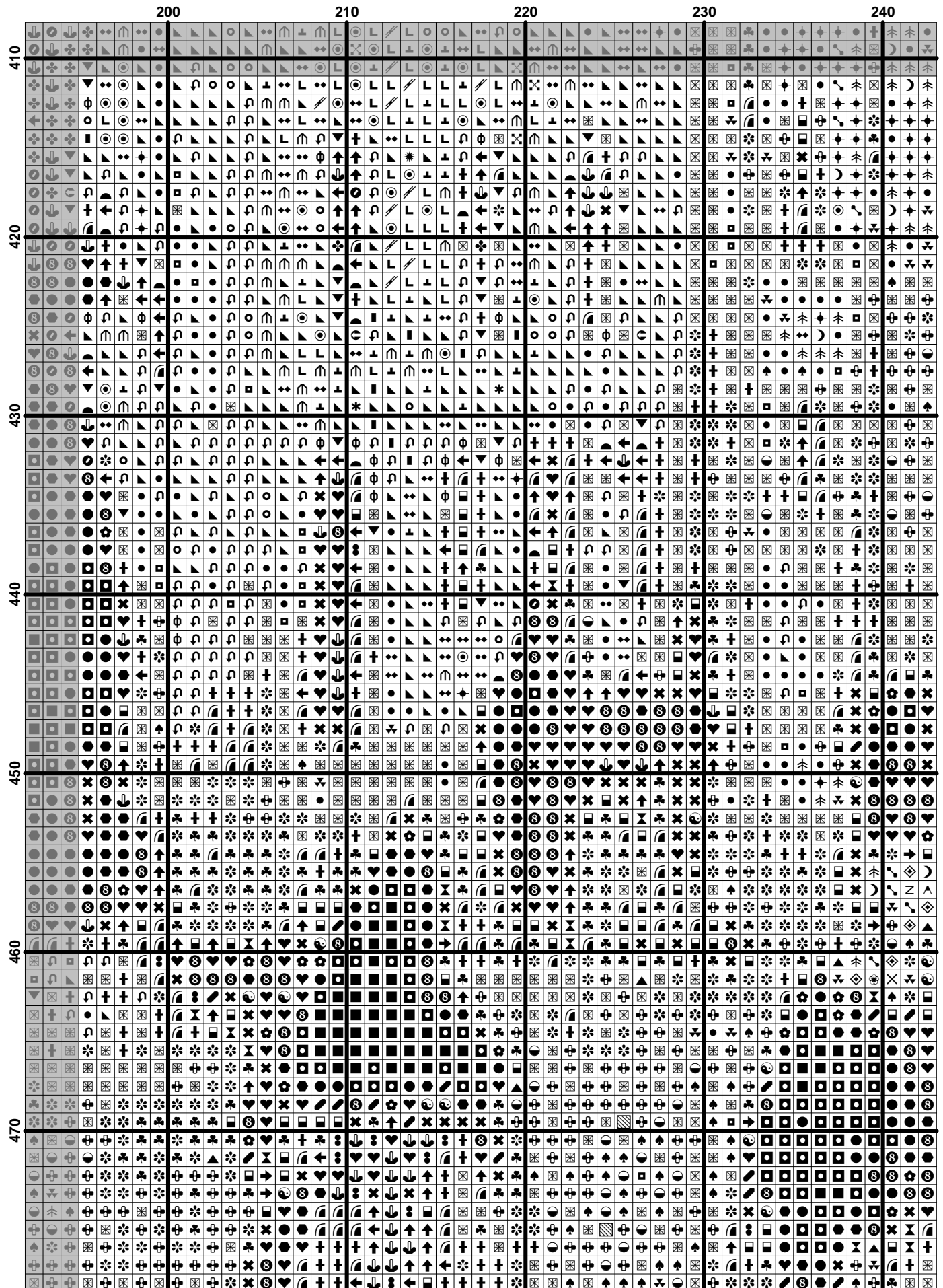


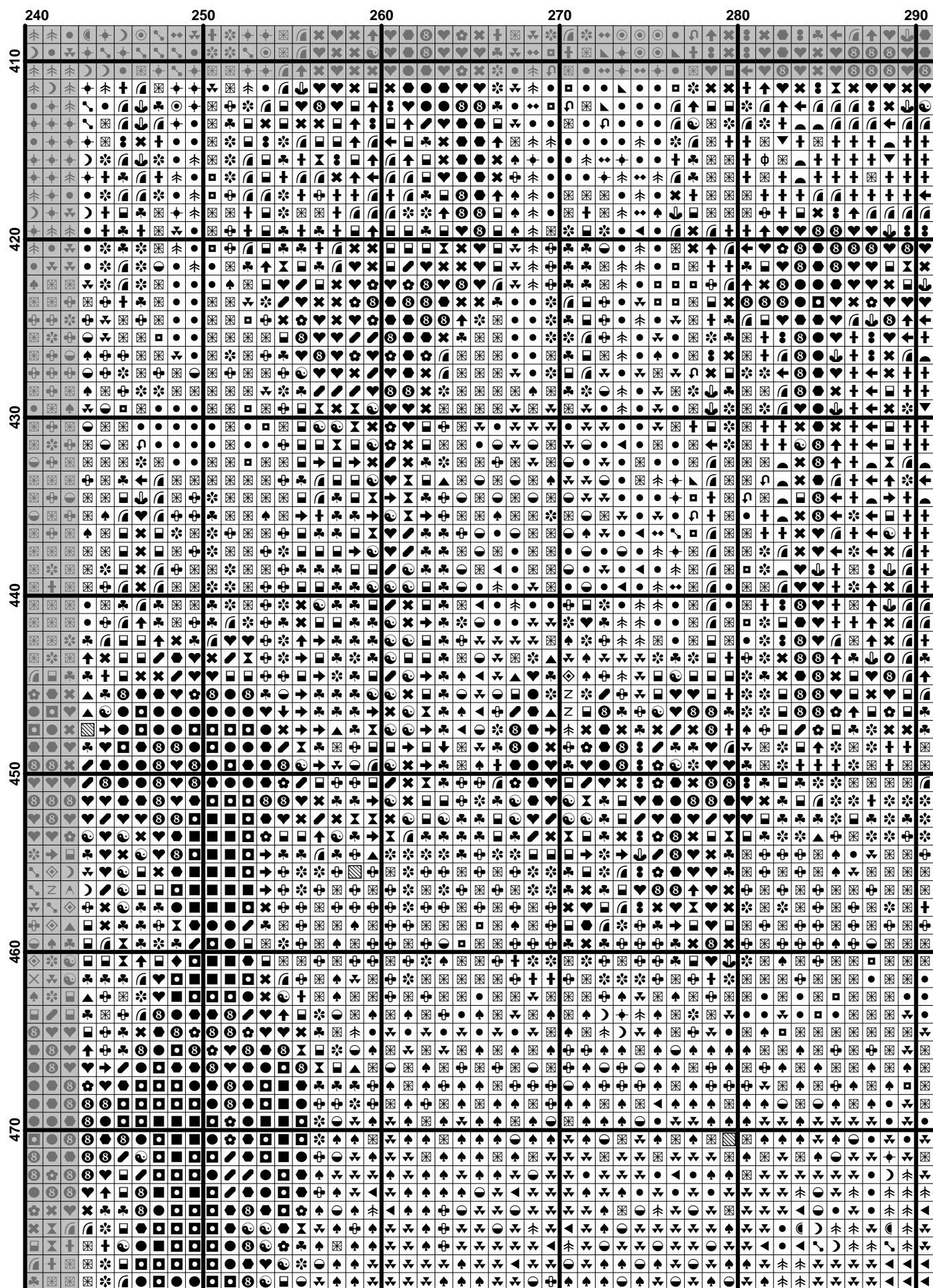


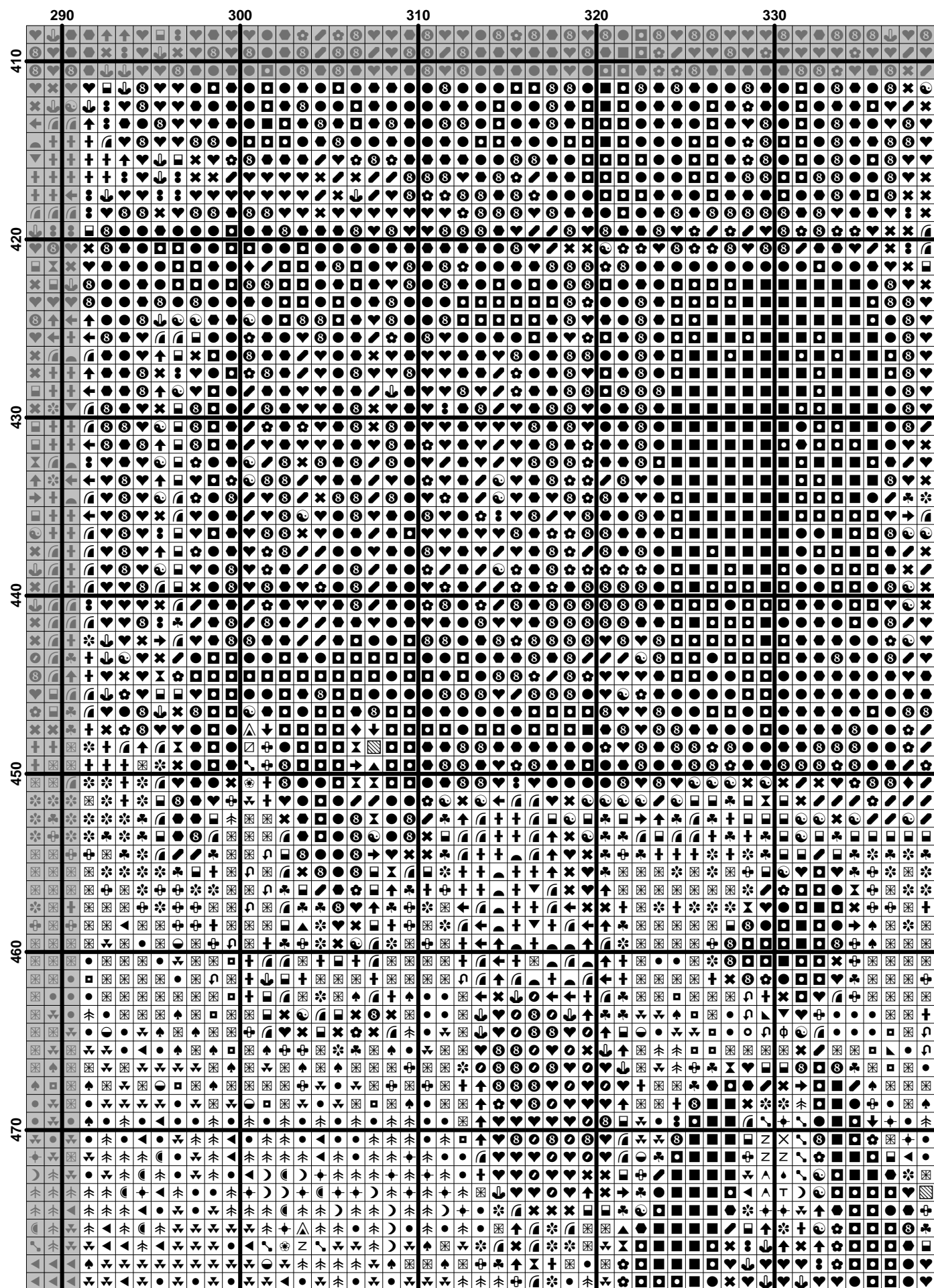


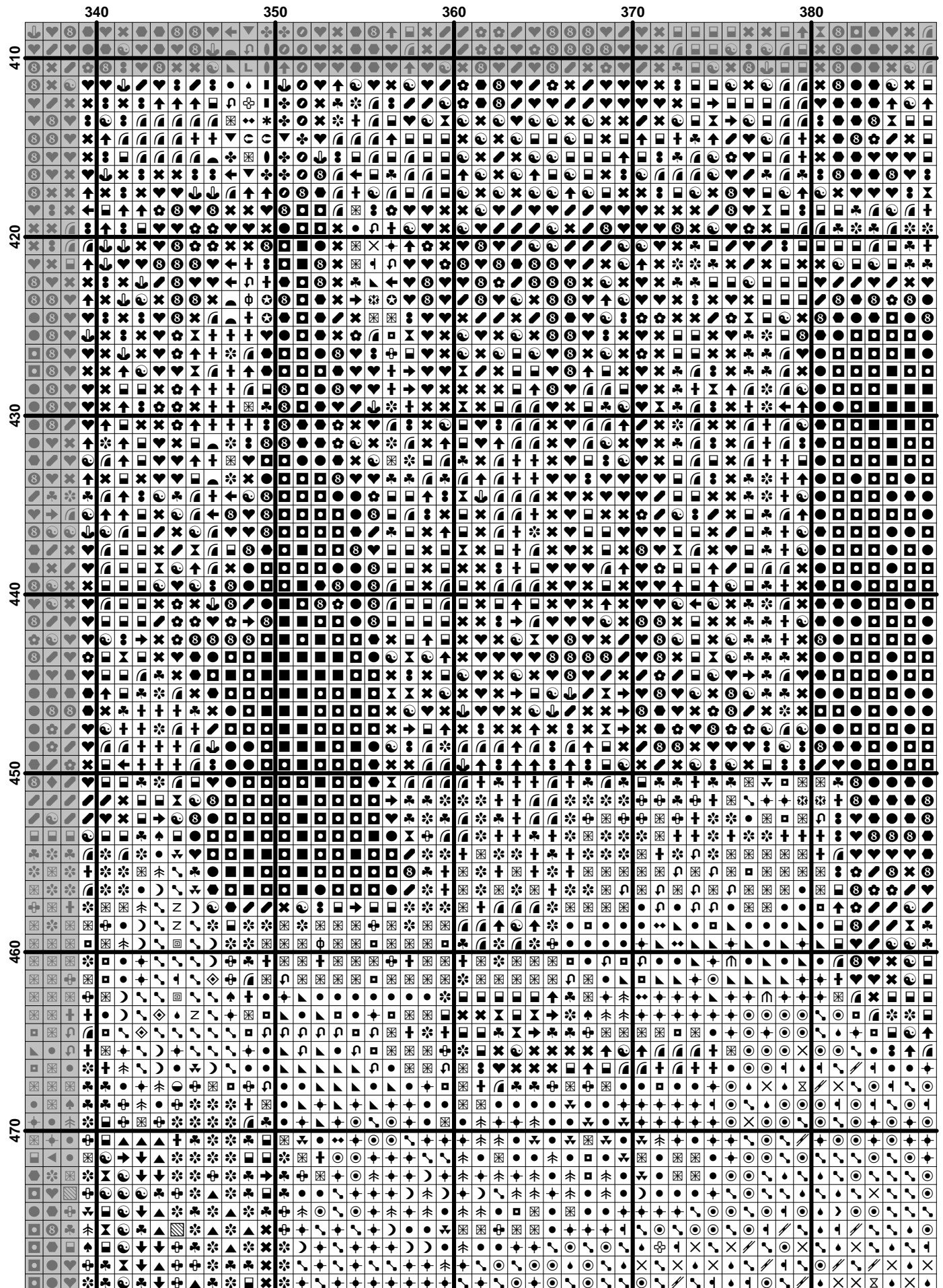


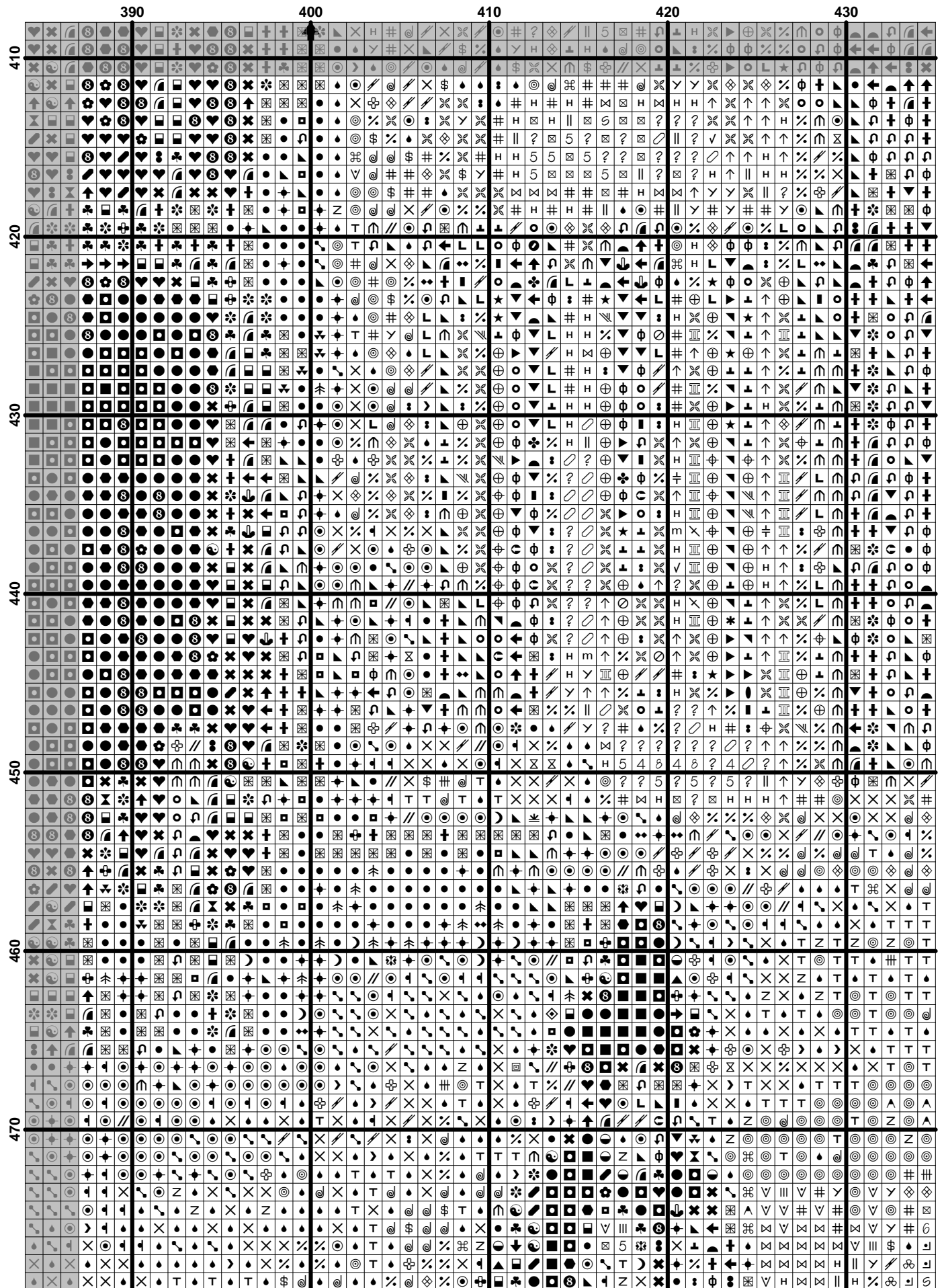


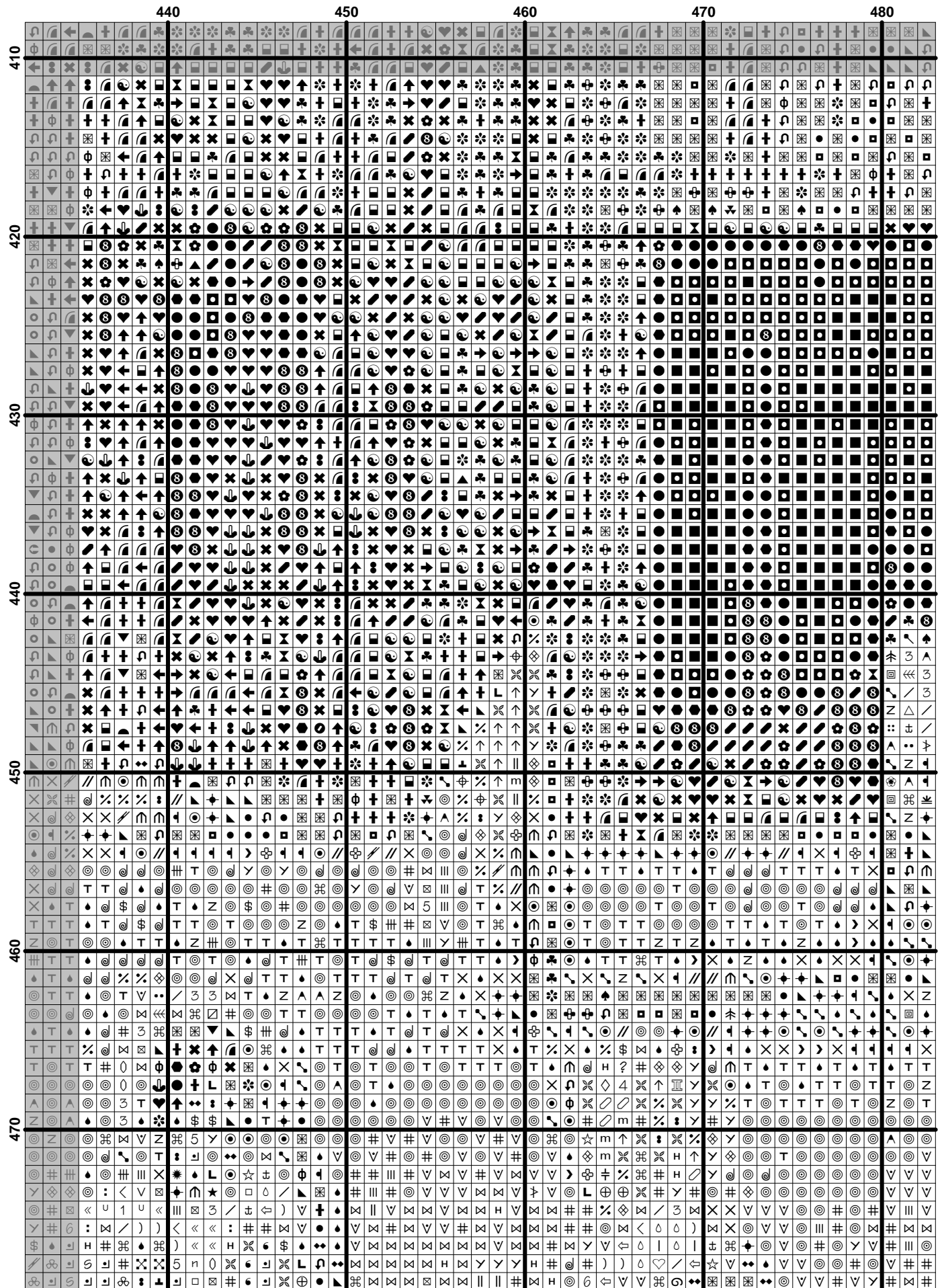


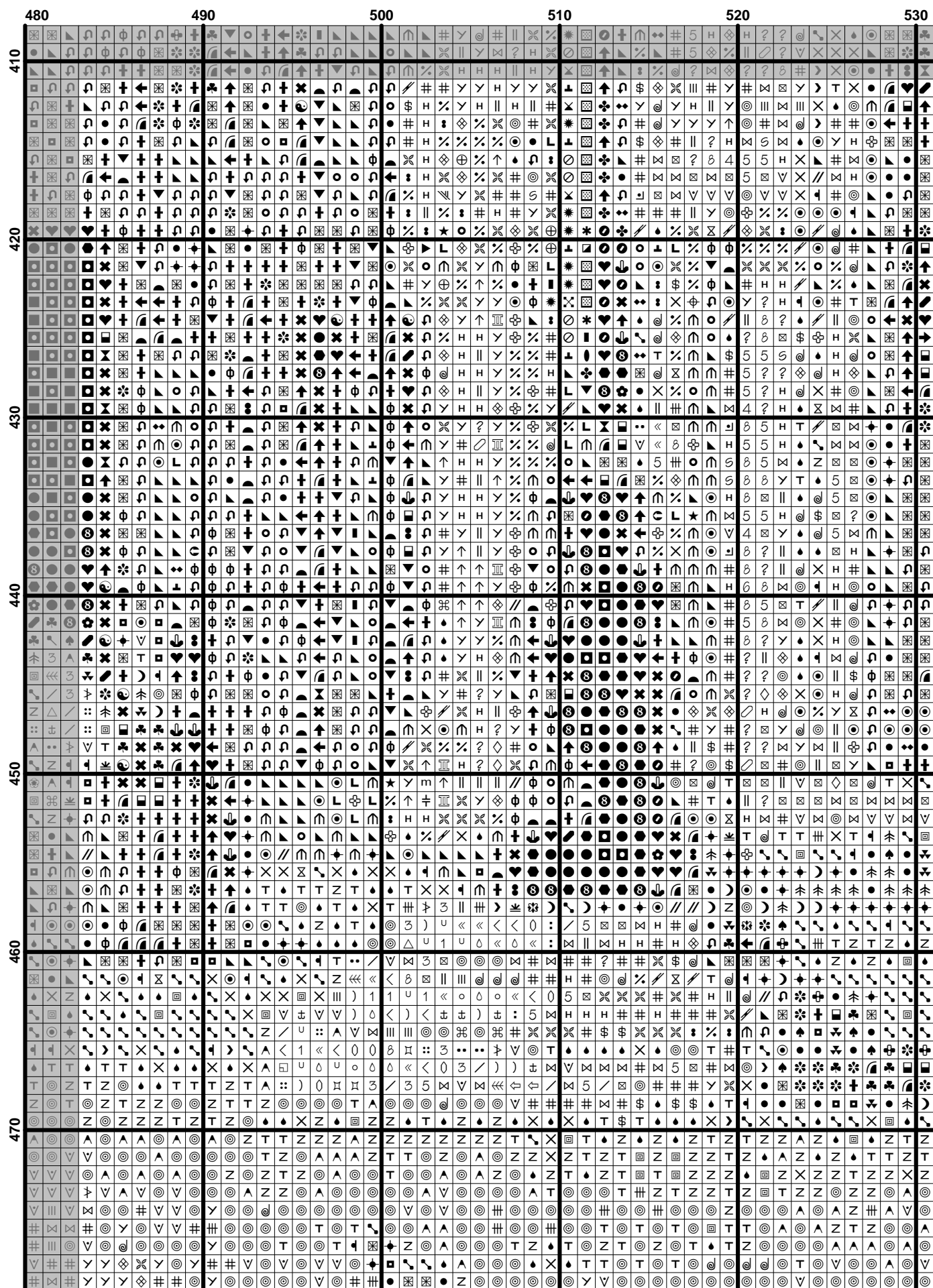


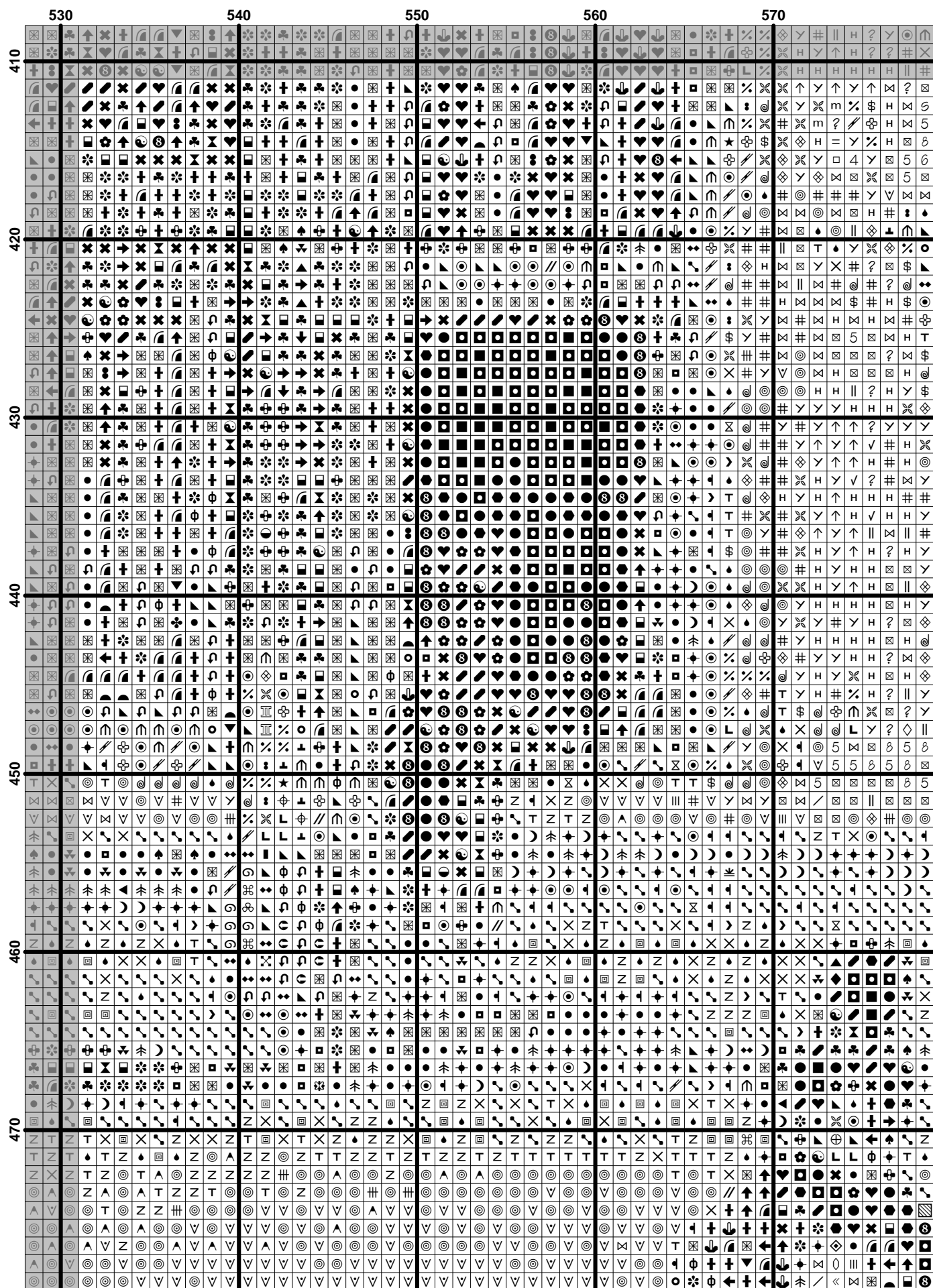


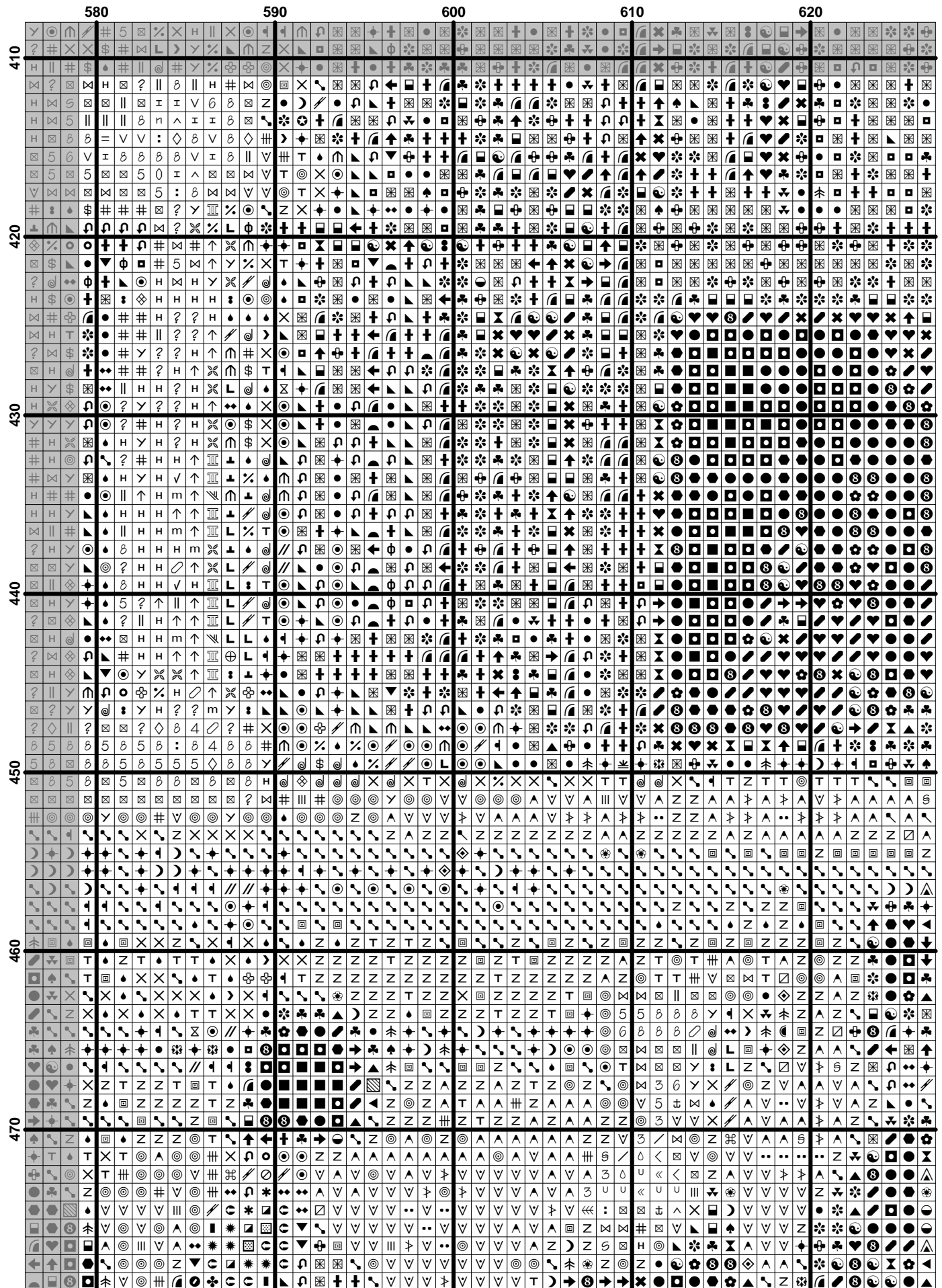


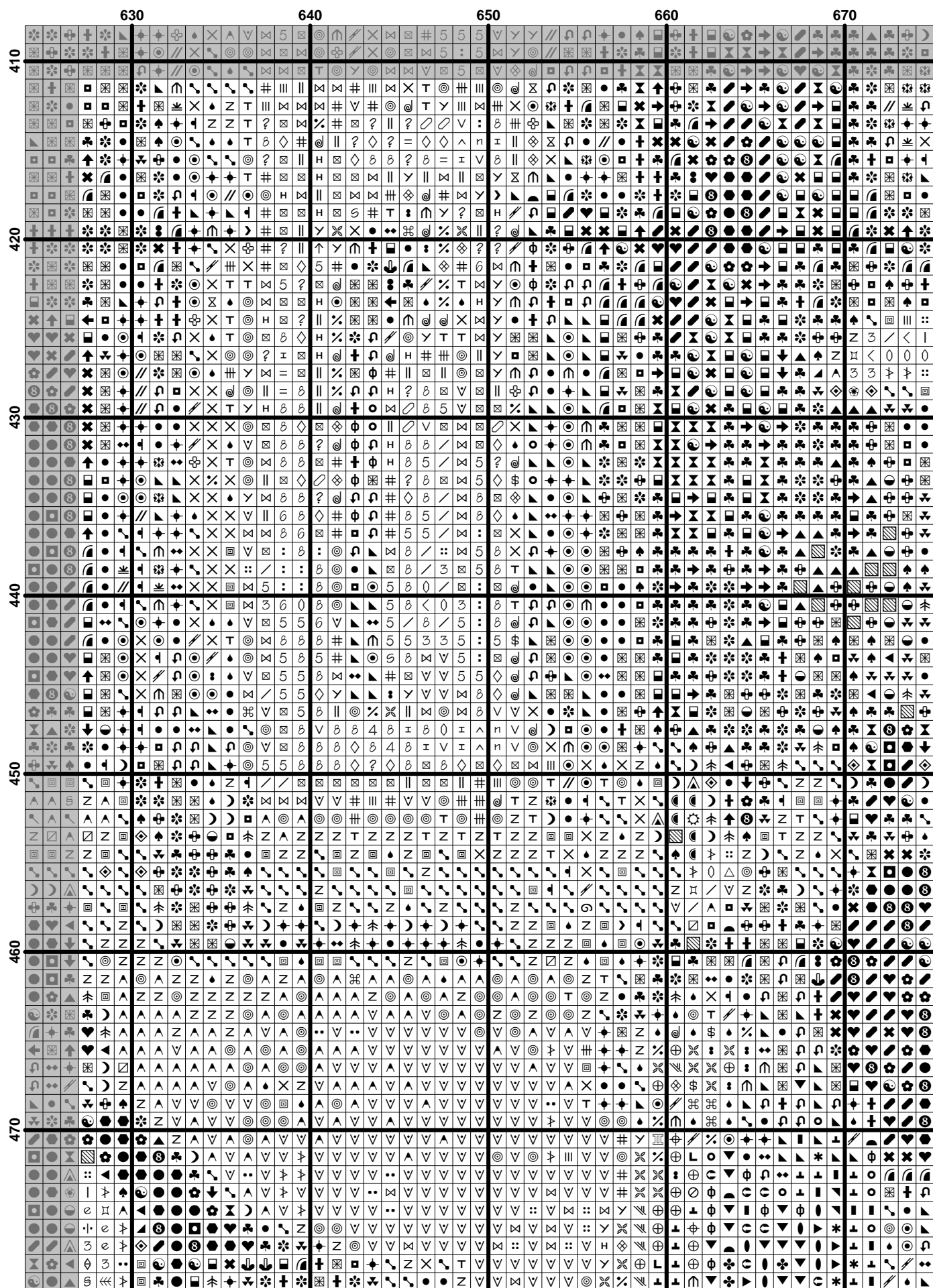




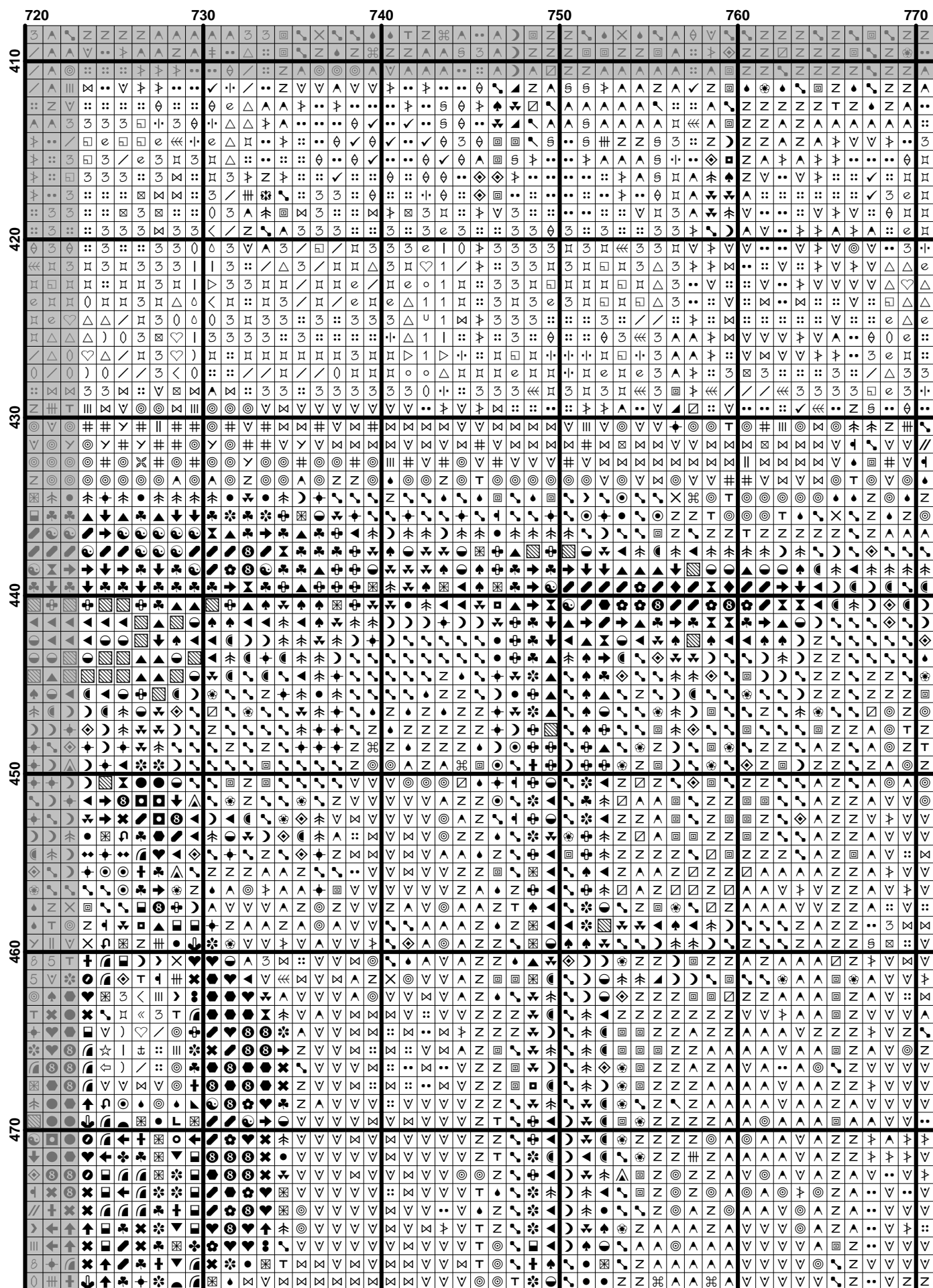




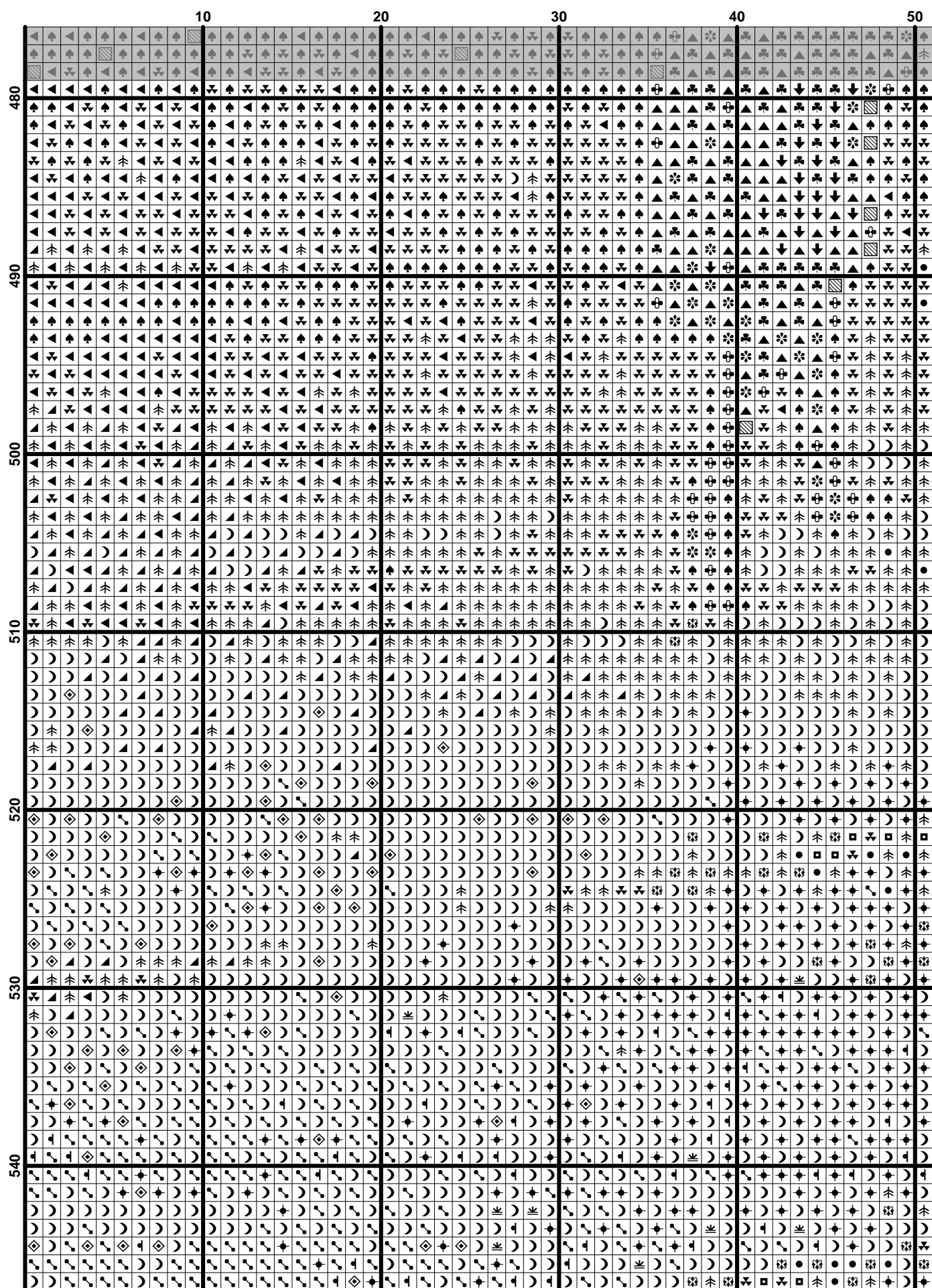


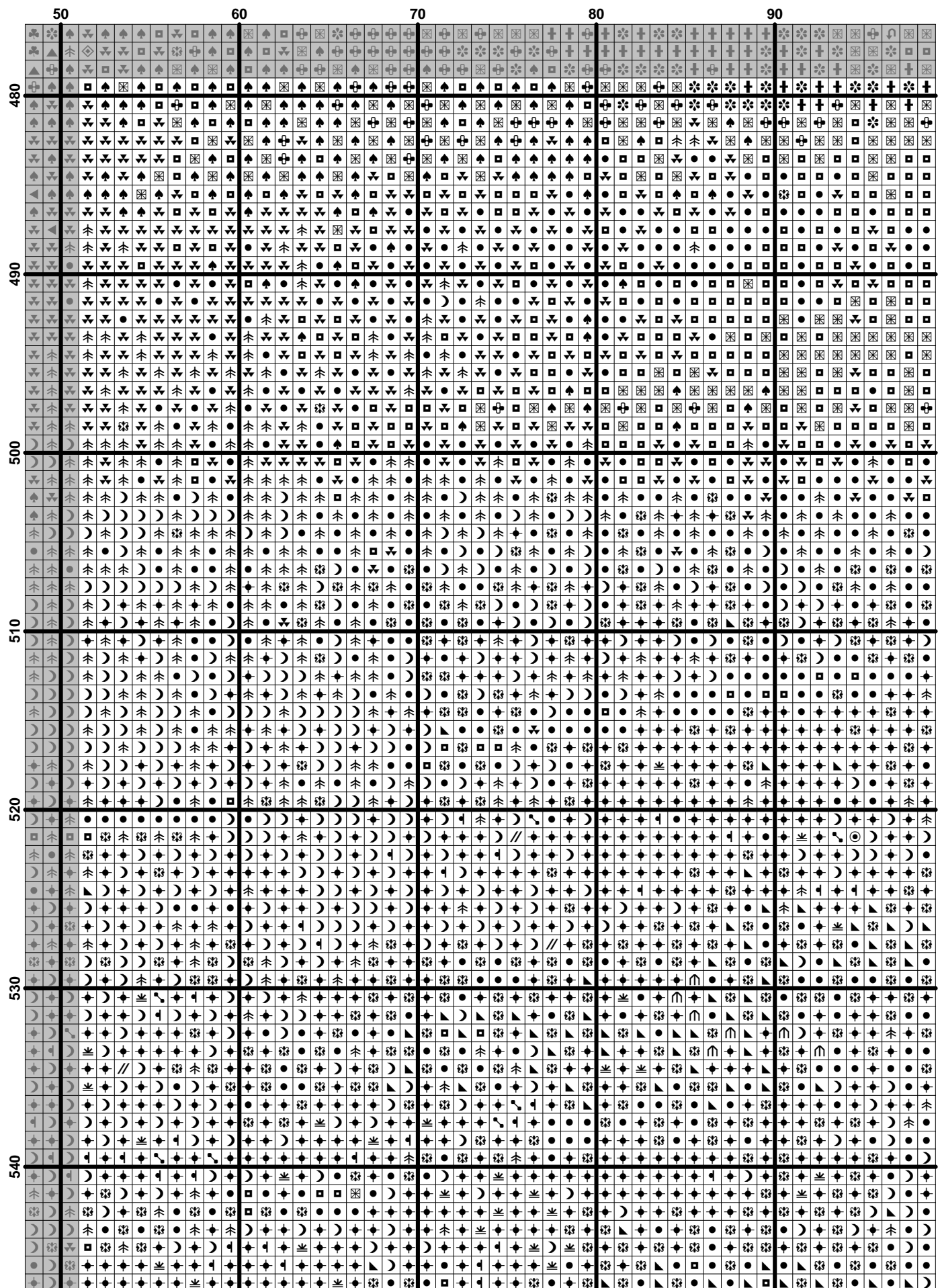


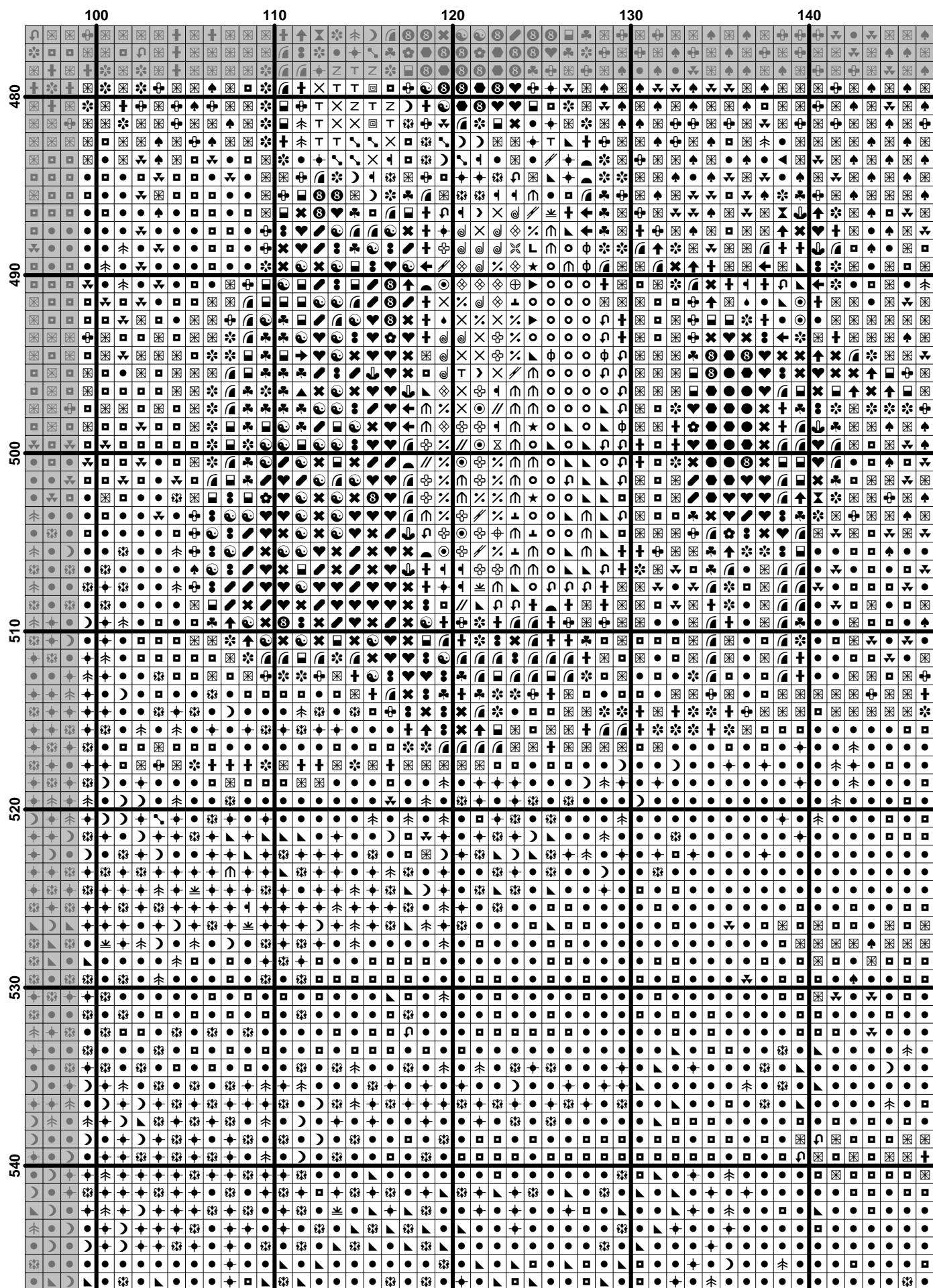
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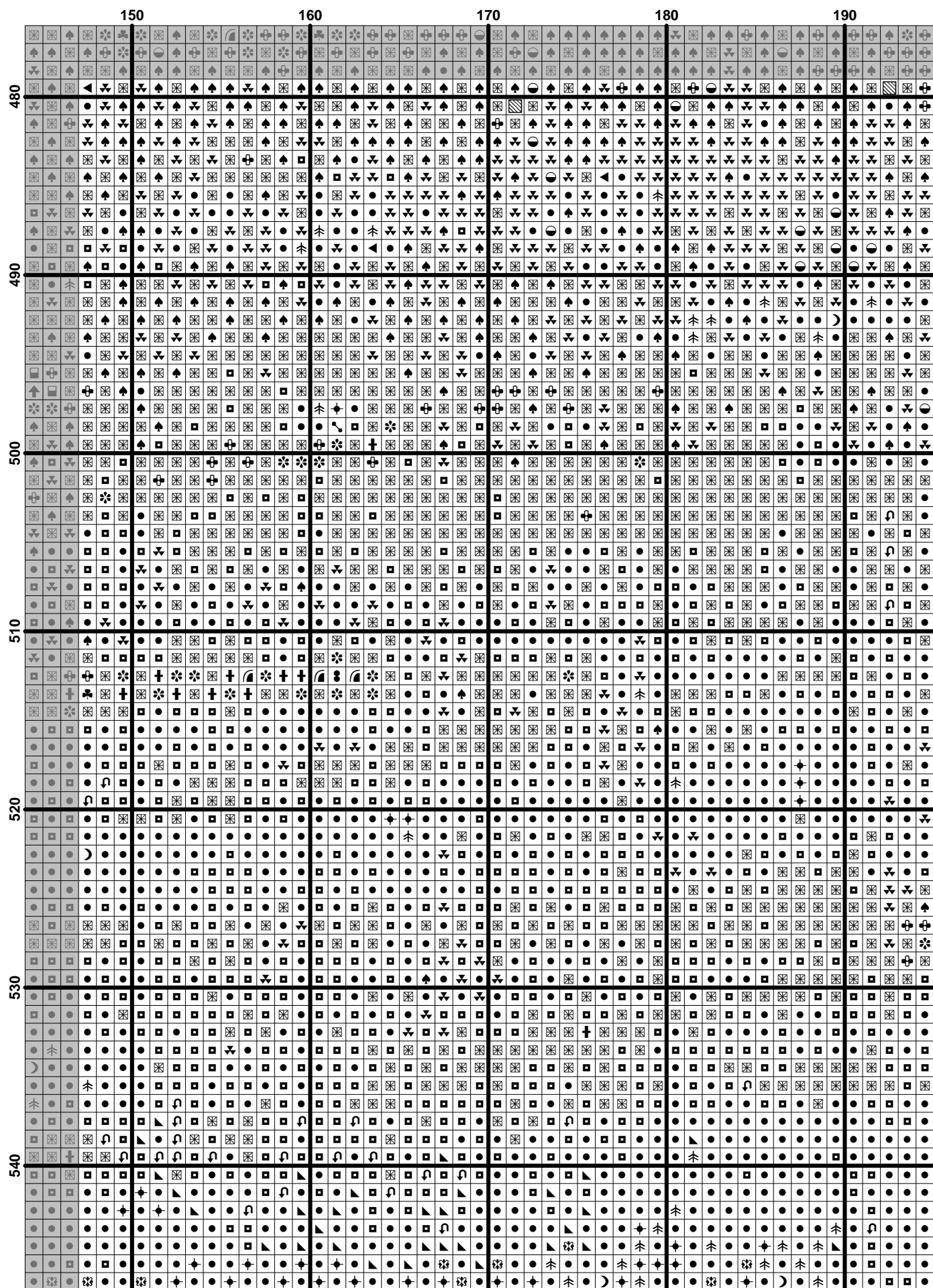


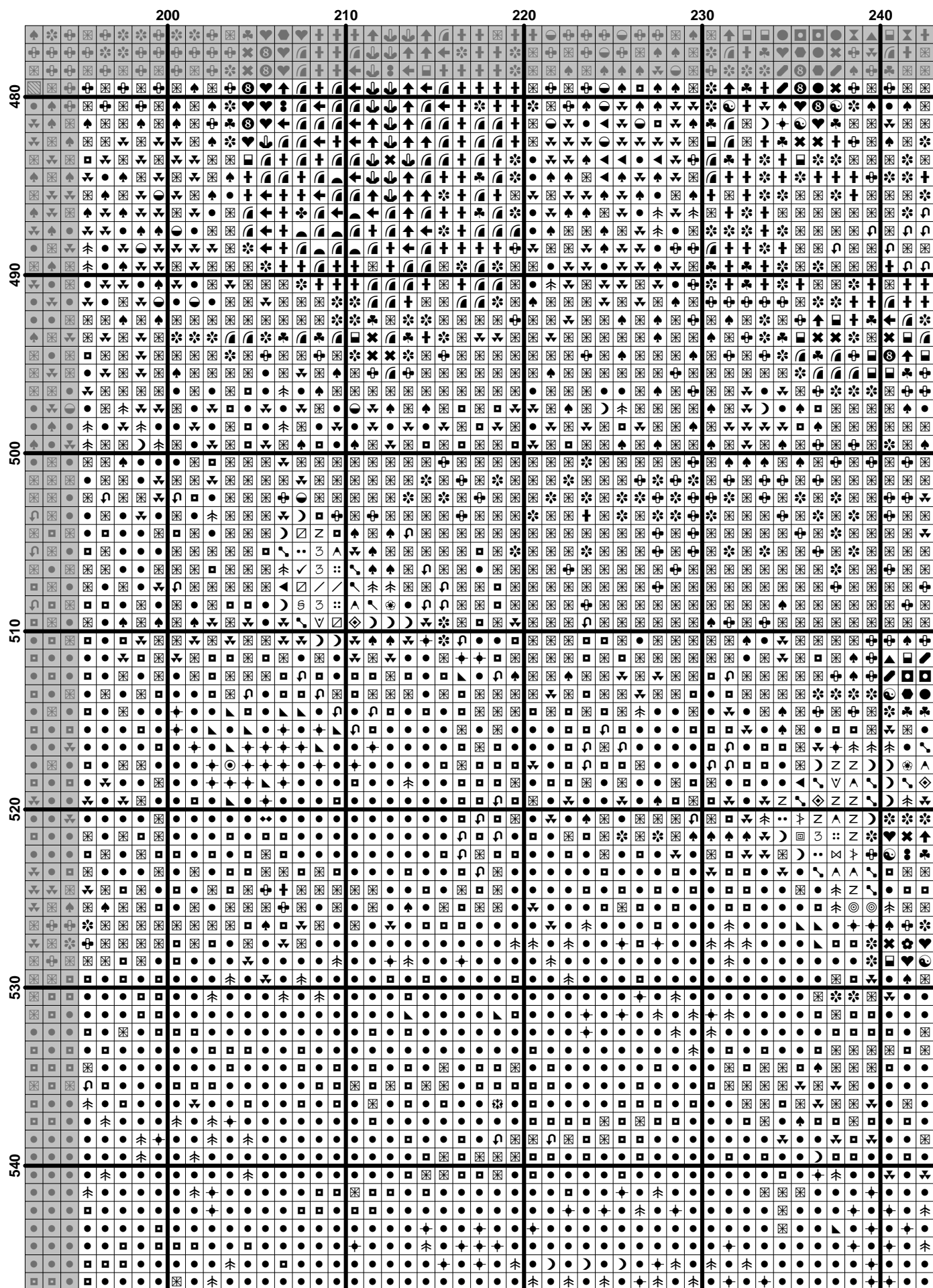
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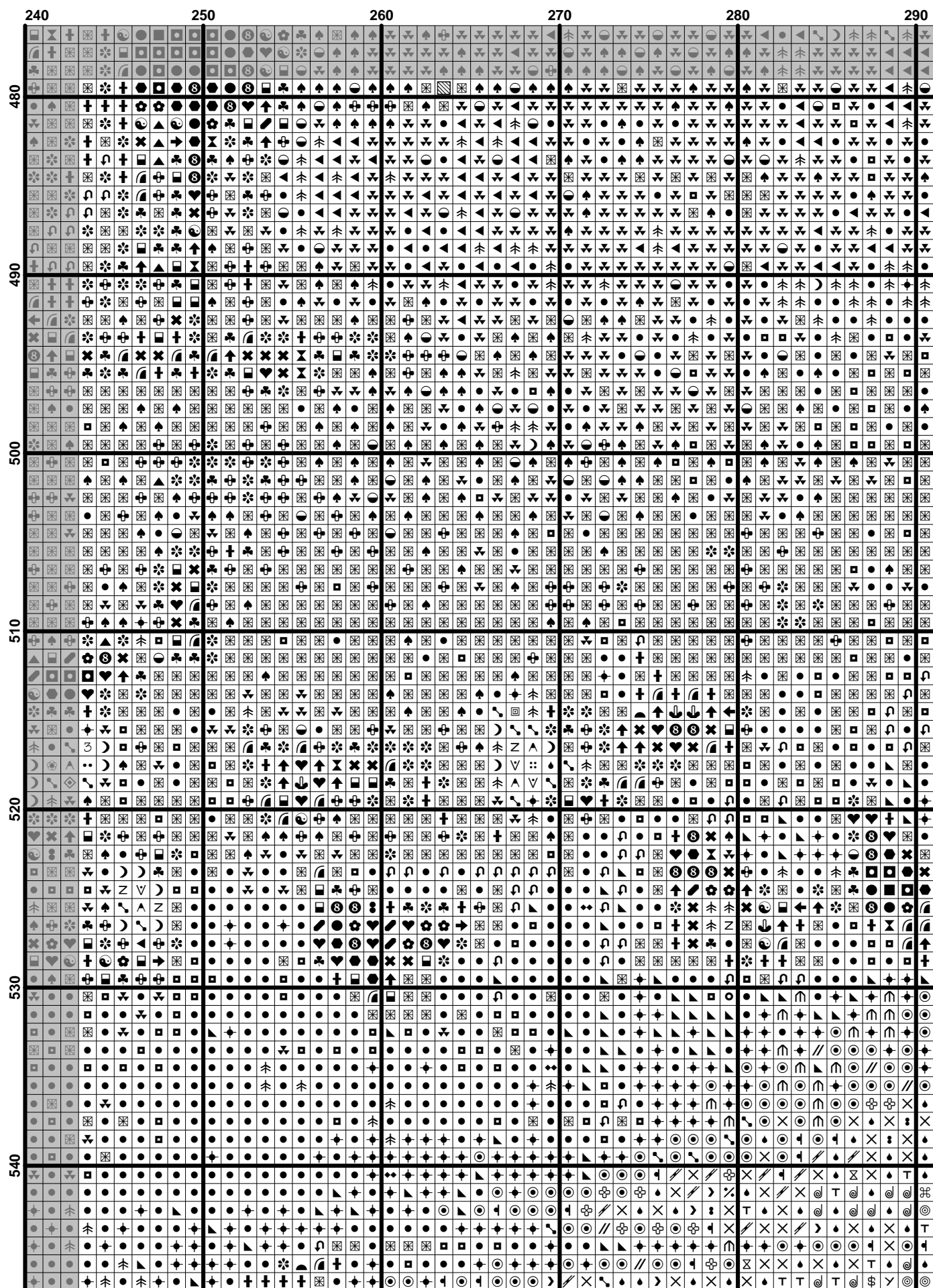


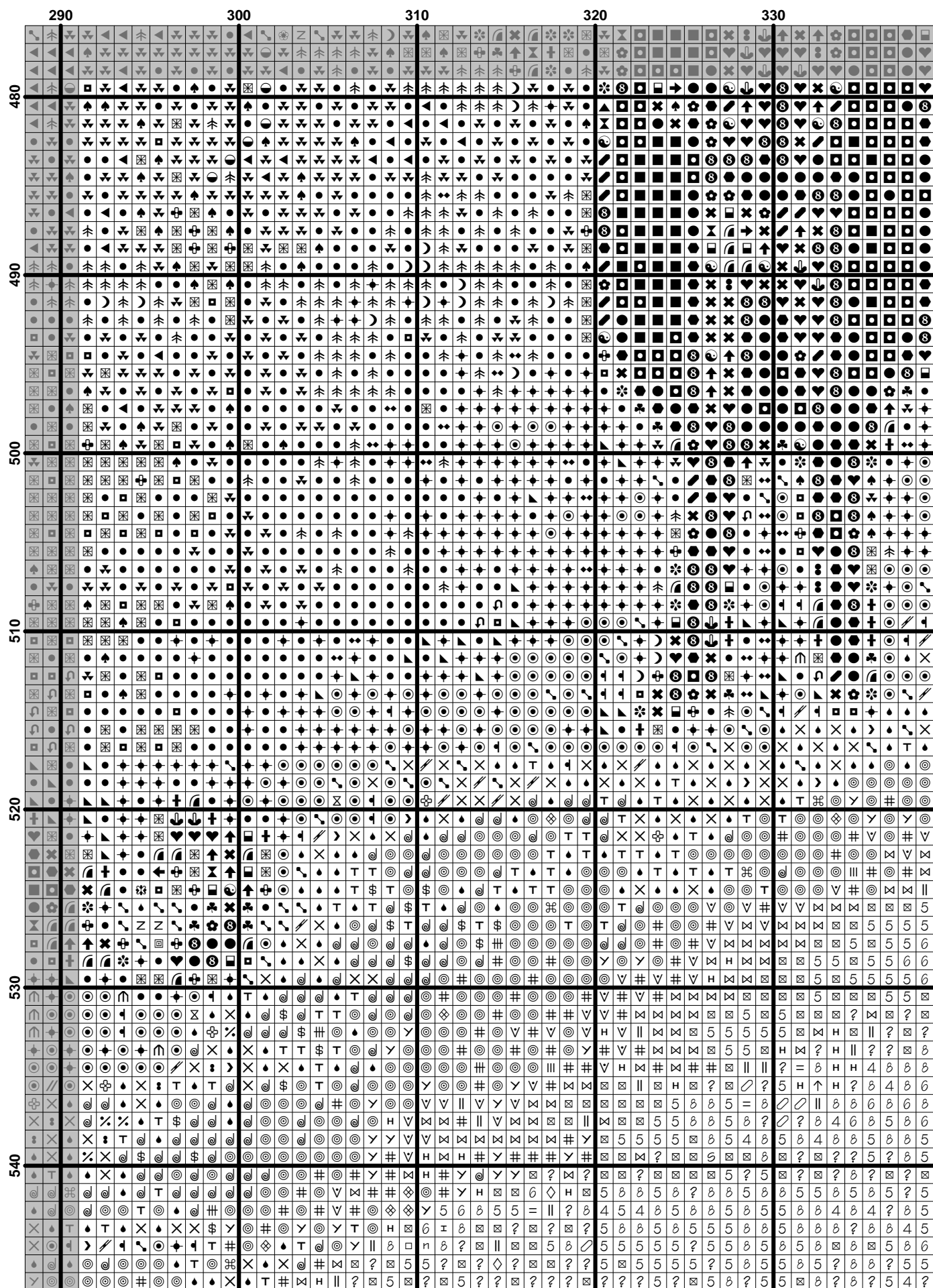












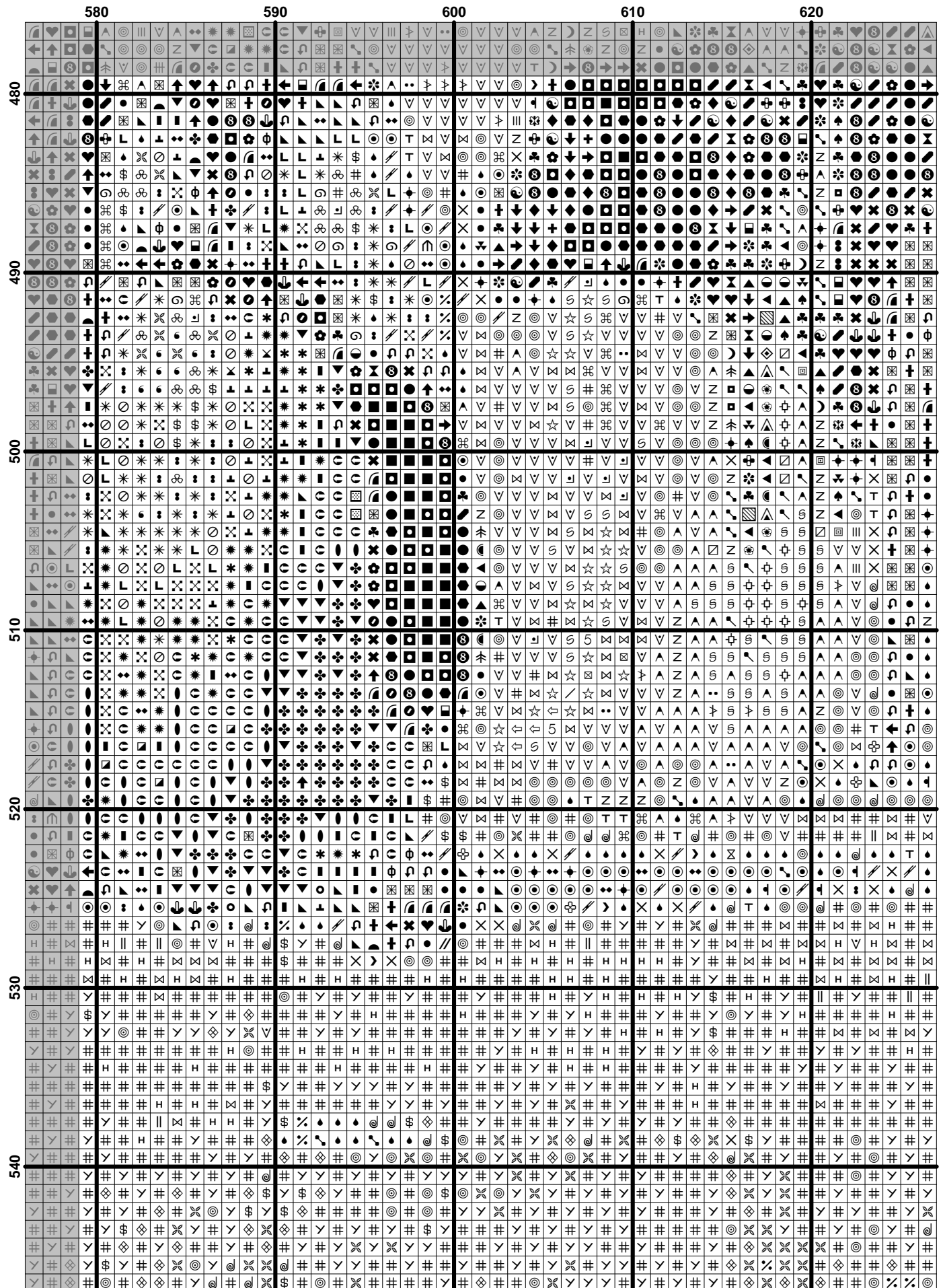
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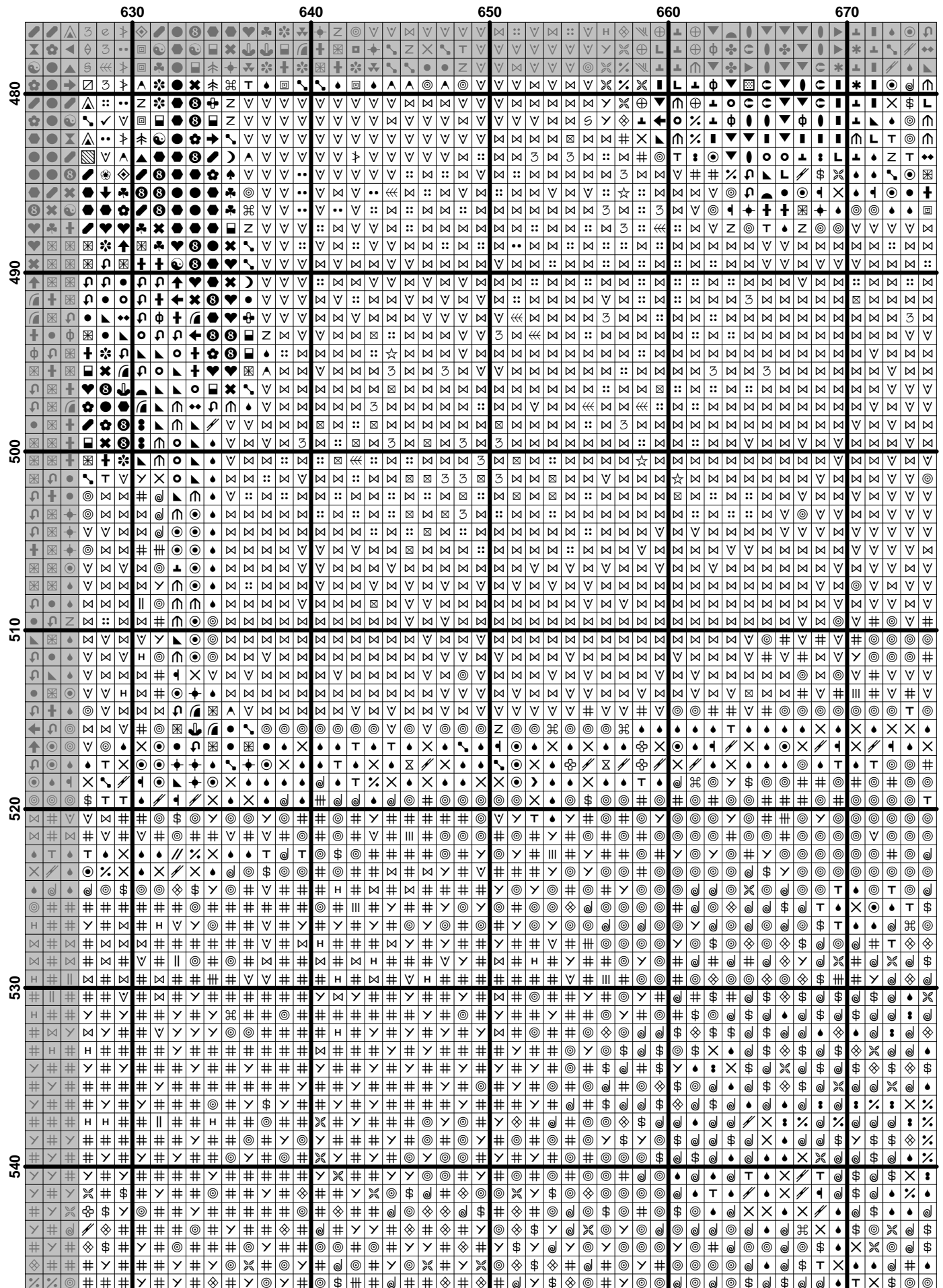
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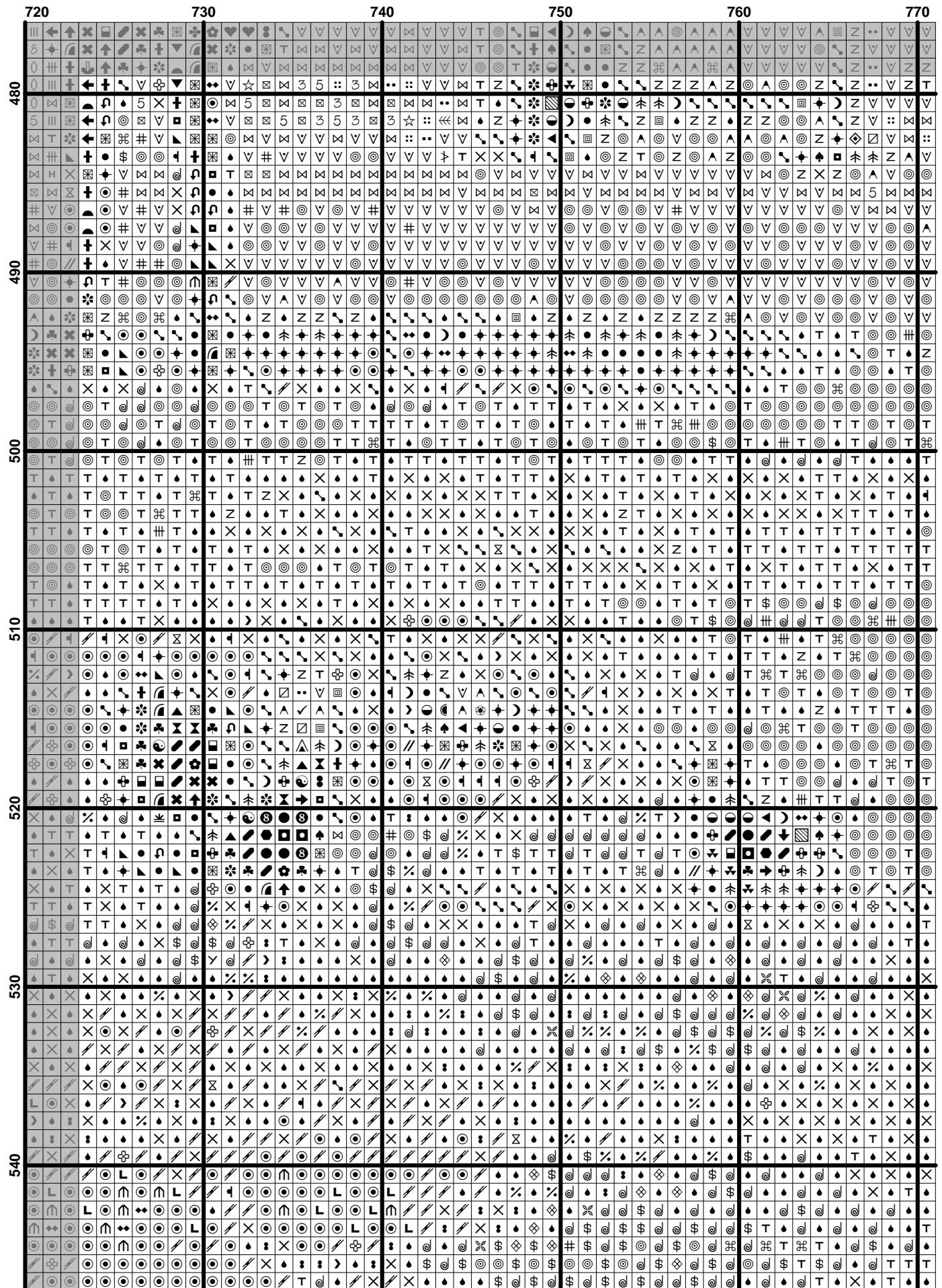
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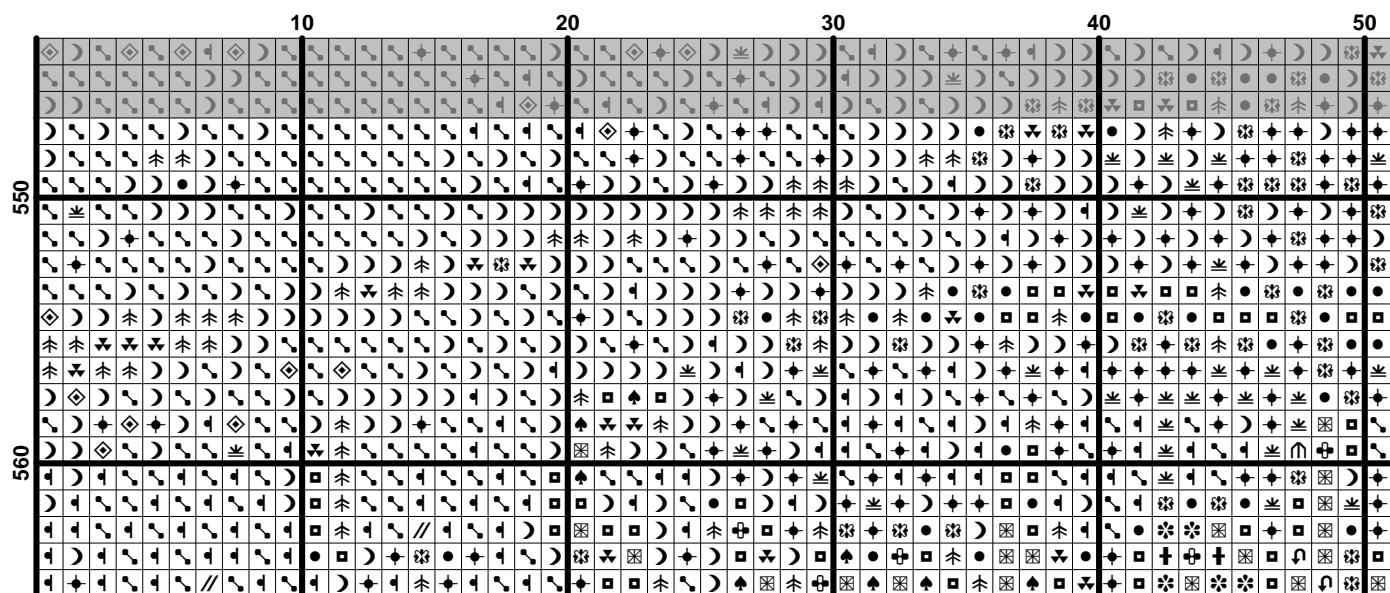


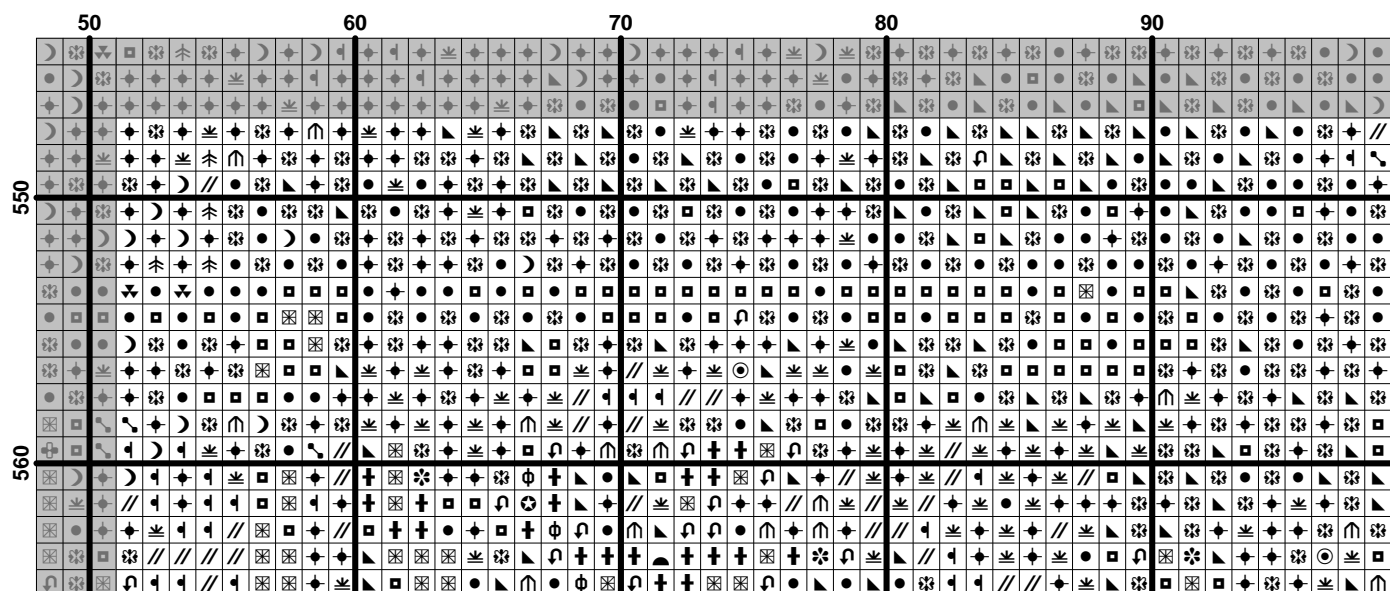


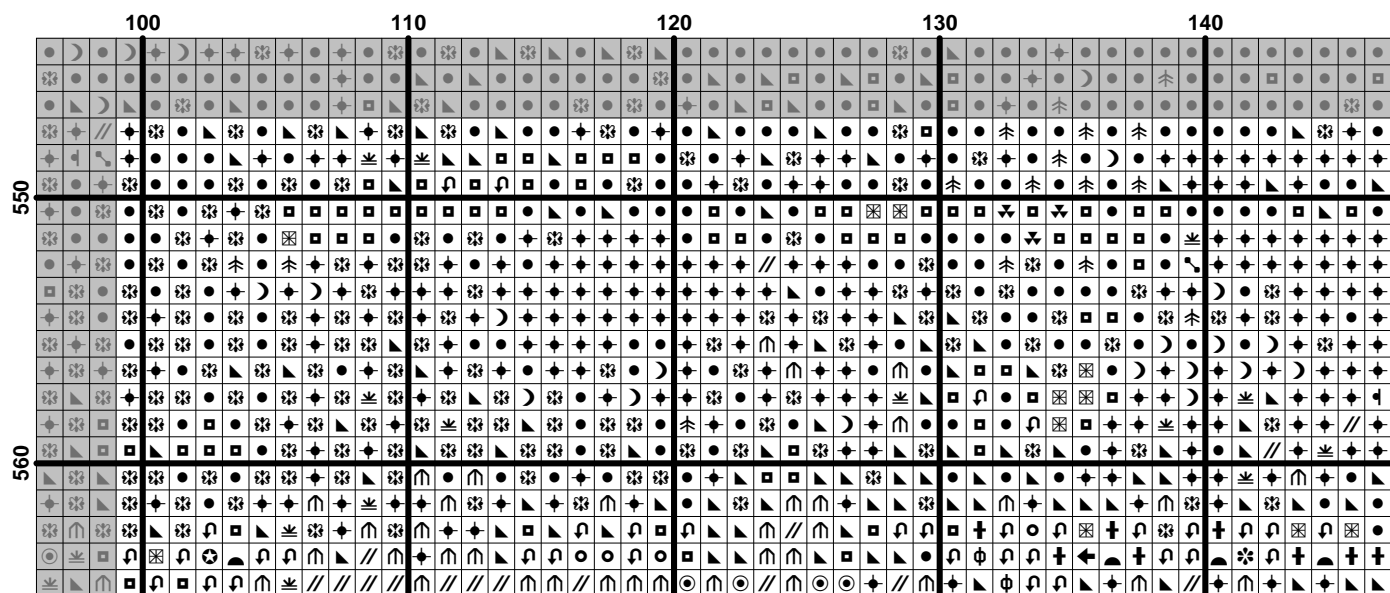
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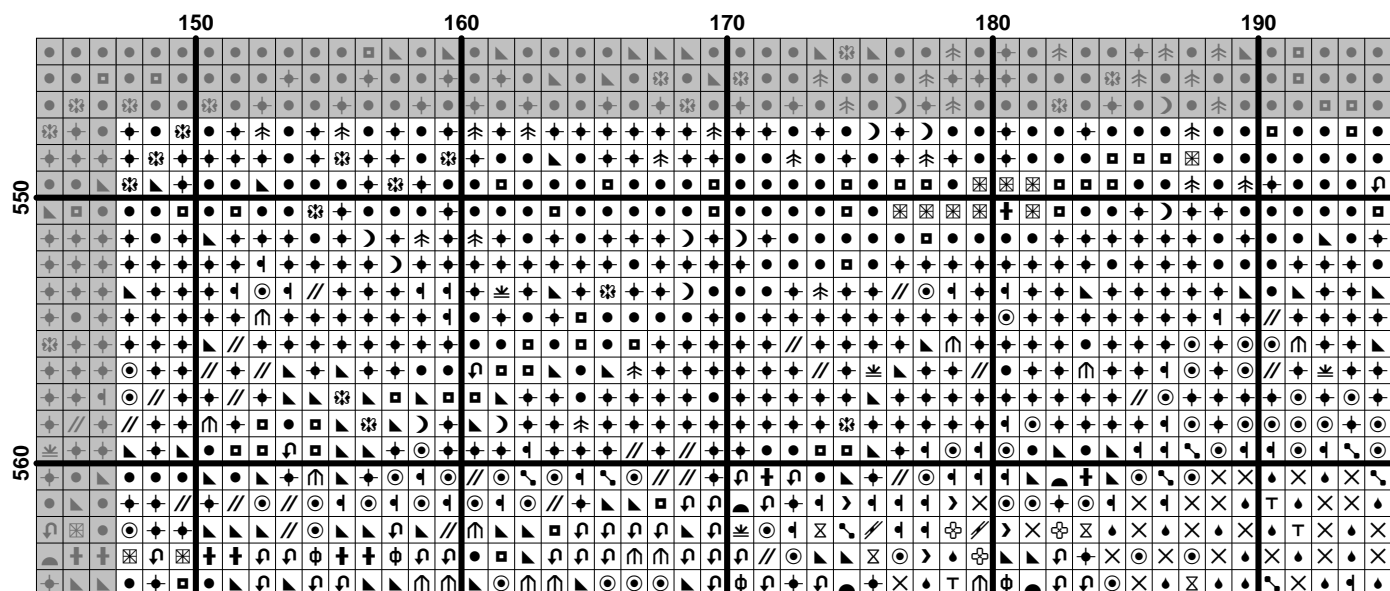


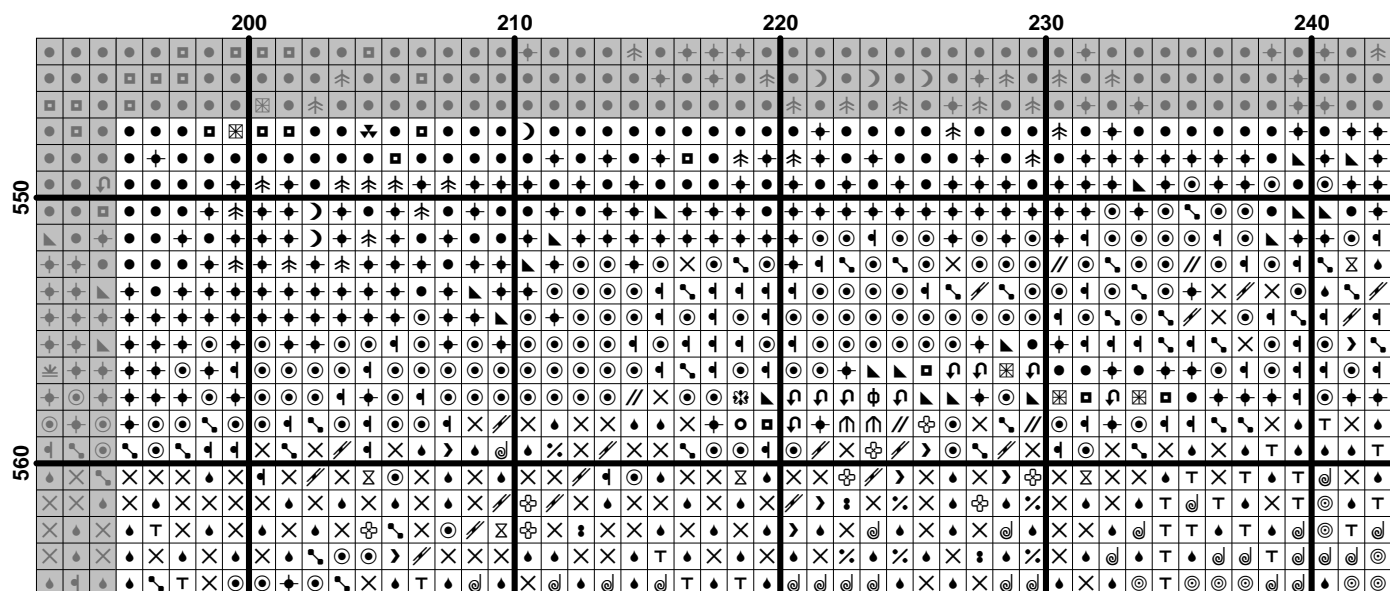
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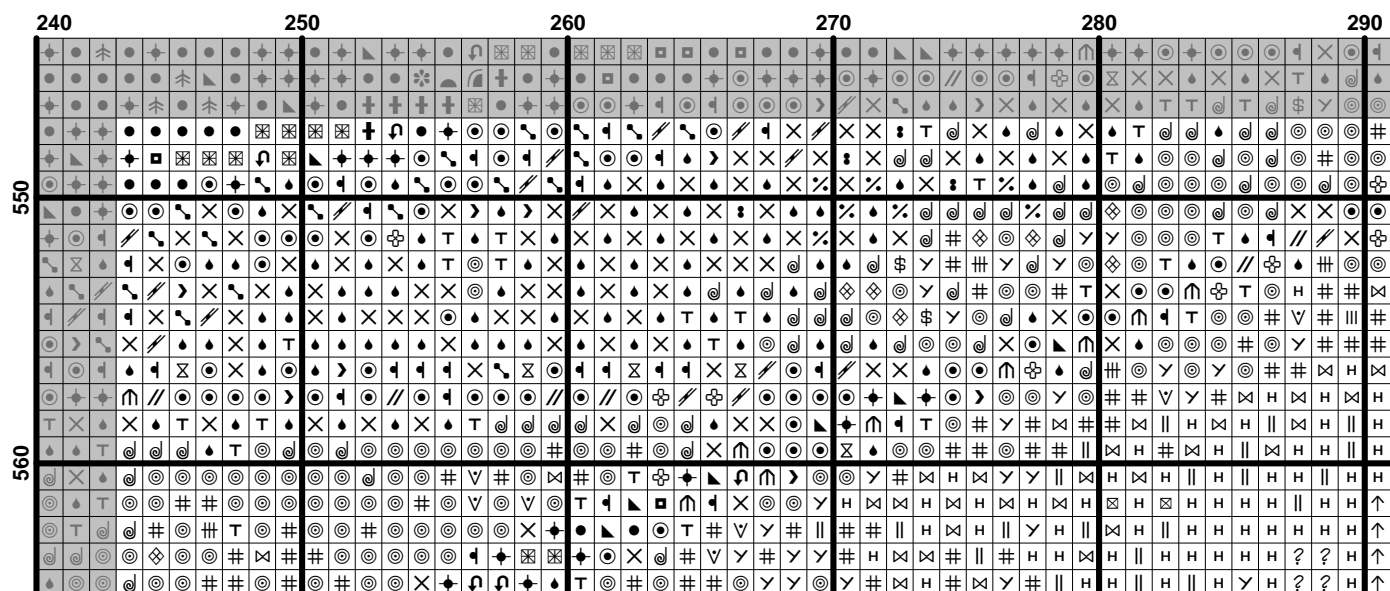












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