

# 1094 Plums



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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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Plums																						
<table><tr><td colspan="2">Stitch Count</td></tr><tr><td>Horizontal:</td><td>400</td></tr><tr><td>Vertical:</td><td>643</td></tr></table>					Stitch Count		Horizontal:	400	Vertical:	643	<table><tr><td colspan="2">Recommended Fabric Color</td></tr><tr><td colspan="2">Antique White</td></tr></table>								Recommended Fabric Color		Antique White	
Stitch Count																						
Horizontal:	400																					
Vertical:	643																					
Recommended Fabric Color																						
Antique White																						
<p>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.</p> <p>The sizes are given for 14, 16 and 18 stitches per inch fabrics.</p> <p>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.</p>																						
	14				16				18													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	73	28.44	117	45.8	64	24.89	102	40.07	57	22.125	91	35.625										
Including Margins:	89	35	133	52	80	31	118	47	73	29	107	42										
	10				12				24													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	102	39.81	163	64.12	85	33.18	136	53.43	42	16.59	68	26.71										
Including Margins:	118	46	179	71	101	40	152	60	58	23	84	33										
	25				26				27													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	40	15.92	65	25.64	39	15.31	63	24.66	37	14.74	60	23.74										
Including Margins:	56	22	81	32	55	22	79	31	53	21	76	30										
	28				30				32													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	36	14.22	58	22.9	34	13.27	54	21.37	31	12.44	51	20.03										
Including Margins:	52	21	74	29	50	20	70	28	47	19	67	27										

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
☆	224	Shell Pink-VY LT
▲	317	Pewter Gray
⊕	370	Mustard-MD
⦿	371	Mustard
••	372	Mustard-LT
田	407	Desert Sand-DK
⊗	413	Pewter Gray-DK
⦿	414	Steel Gray-DK
7	415	Pearl Gray
•	422	Hazelnut Brown-LT
○	452	Shell Gray-MD
/	453	Shell Gray-LT
⦿	522	Fern Green
∨	523	Fern Green-LT
H	524	Fern Green-VY LT
⊕	535	Ash Gray-VY LT
=	543	Beige Brown-UL VY LT
○	610	Drab Brown-DK
⊕	611	Drab Brown
∇	612	Drab Brown-LT
e	613	Drab Brown-VY LT
⊕	632	Desert Sand-UL VY DK
⦿	640	Beige Gray-VY DK
▲	642	Beige Gray-DK
⦿	644	Beige Gray-MD
⊗	645	Beaver Gray-VY DK
⦿	646	Beaver Gray-DK
⦿	647	Beaver Gray-MD
⦿	648	Beaver Gray-LT
↔	676	Old Gold-LT
Δ	738	Tan-VY LT
○	739	Tan-UL VY LT
u	746	Off White
≡	778	Antique Mauve-VY LT
L	822	Beige Gray-LT

⦿	839	Beige Brown-DK
⦿	840	Beige Brown-MD
⦿	841	Beige Brown-LT
√	842	Beige Brown-VY LT
↓	844	Beaver Brown-UL DK
∩	927	Gray Green-LT
+	945	Tawny
±	948	Peach-VY LT
4	950	Desert Sand-LT
•	951	Tawny-LT
✱	3011	Khaki Green-DK
•	3012	Khaki Green-MD
✱	3021	Brown Gray-VY DK
⦿	3022	Brown Gray-MD
†	3023	Brown Gray-LT
⦿	3032	Mocha Brown-MD
⦿	3045	Yellow Beige-DK
◇	3046	Yellow Beige-MD
♣	3051	Green Gray-DK
⦿	3052	Green Gray-MD
♣	3053	Green Gray
)	3713	Salmon-VY LT
∩	3770	Tawny-VY LT
⊕	3772	Desert Sand-VY DK
⇒	3774	Desert Sand-VY LT
∩	3779	Terra Cotta-UL VY LT
⦿	3781	Mocha Brown-DK
∨	3782	Mocha Brown-LT
◀	3787	Brown Gray-DK
⊕	3790	Beige Gray-UL DK
♡	3855	Autumn Gold-LT
⦿	3860	Cocoa
τ	3861	Cocoa-LT
∩	3862	Mocha Beige-DK
∩	3863	Mocha Beige-MD
↑	3864	Mocha Beige-LT
◁	Ecru	Ecru

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
⊕	3021	Brown Gray-VY DK	3362	Pine Green-DK
#	3782	Mocha Brown-LT	841	Beige Brown-LT
⦿	610	Drab Brown-DK	839	Beige Brown-DK
↓	840	Beige Brown-MD	3032	Mocha Brown-MD
↗	3787	Brown Gray-DK	3790	Beige Gray-UL DK
⦿	839	Beige Brown-DK	3790	Beige Gray-UL DK
✱	3021	Brown Gray-VY DK	844	Beaver Brown-UL DK
⦿	3787	Brown Gray-DK	844	Beaver Brown-UL DK
⦿	3021	Brown Gray-VY DK	3031	Mocha Brown-VY DK
•	612	Drab Brown-LT	3772	Desert Sand-VY DK
∩	950	Desert Sand-LT	842	Beige Brown-VY LT

:	739	Tan-UL VY LT	754	Peach-LT
∅	950	Desert Sand-LT	543	Beige Brown-UL VY LT
⊗	3863	Mocha Beige-MD	840	Beige Brown-MD
—	950	Desert Sand-LT	3864	Mocha Beige-LT
‡	3863	Mocha Beige-MD	3011	Khaki Green-DK
≡	640	Beige Gray-VY DK	3011	Khaki Green-DK
⊕	3346	Hunter Green	3787	Brown Gray-DK
⊕	3346	Hunter Green	3790	Beige Gray-UL DK
//	3052	Green Gray-MD	3787	Brown Gray-DK
∴	3052	Green Gray-MD	645	Beaver Gray-VY DK
‡	647	Beaver Gray-MD	3022	Brown Gray-MD
⊗	3772	Desert Sand-VY DK	3864	Mocha Beige-LT
9	543	Beige Brown-UL VY LT	778	Antique Mauve-VY LT
∩	839	Beige Brown-DK	3011	Khaki Green-DK
*	3347	Yellow Green-MD	3790	Beige Gray-UL DK
□	3047	Yellow Beige-LT	951	Tawny-LT
↑	951	Tawny-LT	ecru	Ecru
▷	951	Tawny-LT	822	Beige Gray-LT
↖	3862	Mocha Beige-DK	3863	Mocha Beige-MD
△	3772	Desert Sand-VY DK	610	Drab Brown-DK
↗	3772	Desert Sand-VY DK	420	Hazelnut Brown-DK
◆	838	Beige Brown-VY DK	3781	Mocha Brown-DK
■	3021	Brown Gray-VY DK	310	Black
►	3346	Hunter Green	839	Beige Brown-DK
⌂	3363	Pine Green-MD	3787	Brown Gray-DK
✱	610	Drab Brown-DK	3781	Mocha Brown-DK
▣	610	Drab Brown-DK	632	Desert Sand-UL VY DK
▲	610	Drab Brown-DK	420	Hazelnut Brown-DK
◇	611	Drab Brown	3862	Mocha Beige-DK
⊗	3012	Khaki Green-MD	3862	Mocha Beige-DK
☉	645	Beaver Gray-VY DK	936	Avocado Green-VY DK
◀	611	Drab Brown	3863	Mocha Beige-MD
★	610	Drab Brown-DK	611	Drab Brown
↖	3828	Hazelnut Brown	3863	Mocha Beige-MD
↺	3781	Mocha Brown-DK	3021	Brown Gray-VY DK
♥	3781	Mocha Brown-DK	3031	Mocha Brown-VY DK
➔	898	Coffee Brown-VY DK	632	Desert Sand-UL VY DK
<	353	Peach	3047	Yellow Beige-LT
☾	3862	Mocha Beige-DK	632	Desert Sand-UL VY DK
↖	413	Pewter Gray-DK	844	Beaver Brown-UL DK
©	535	Ash Gray-VY LT	3787	Brown Gray-DK
«	3078	Golden Yellow-VY LT	3865	Winter White
L	611	Drab Brown	3790	Beige Gray-UL DK
♠	632	Desert Sand-UL VY DK	3721	Shell Pink-DK
●	3721	Shell Pink-DK	3862	Mocha Beige-DK
✦	3790	Beige Gray-UL DK	3862	Mocha Beige-DK
+	3011	Khaki Green-DK	3051	Green Gray-DK
▣	938	Coffee Brown-UL DK	3799	Pewter Gray-VY DK
●	938	Coffee Brown-UL DK	3021	Brown Gray-VY DK
●	938	Coffee Brown-UL DK	844	Beaver Brown-UL DK
✓	407	Desert Sand-DK	758	Terra Cotta-VY LT
III	407	Desert Sand-DK	3864	Mocha Beige-LT
◇	224	Shell Pink-VY LT	3864	Mocha Beige-LT
⊗	224	Shell Pink-VY LT	950	Desert Sand-LT
5	224	Shell Pink-VY LT	754	Peach-LT
^	3823	Yellow-UL Pale	951	Tawny-LT
II	224	Shell Pink-VY LT	758	Terra Cotta-VY LT
◎	420	Hazelnut Brown-DK	3790	Beige Gray-UL DK
⊕	3864	Mocha Beige-LT	758	Terra Cotta-VY LT

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l	739	Tan-UL VY LT	3823	Yellow-UL Pale
n	746	Off White	3823	Yellow-UL Pale
\$	414	Steel Gray-DK	927	Gray Green-LT
3	778	Antique Mauve-VY LT	950	Desert Sand-LT
v	950	Desert Sand-LT	3823	Yellow-UL Pale
⦿	224	Shell Pink-VY LT	3823	Yellow-UL Pale
m	224	Shell Pink-VY LT	648	Beaver Gray-LT
::	415	Pearl Gray	928	Gray Green-VY LT
a	613	Drab Brown-VY LT	945	Tawny
o	3823	Yellow-UL Pale	948	Peach-VY LT
⦿	3051	Green Gray-DK	3790	Beige Gray-UL DK
⊕	3032	Mocha Brown-MD	3790	Beige Gray-UL DK
●	3031	Mocha Brown-VY DK	3051	Green Gray-DK
?	3743	Antique Violet-VY LT	415	Pearl Gray
6	3743	Antique Violet-VY LT	3753	Antique Blue-UL VY LT
(	3866	Mocha Brown-UL VY LT	948	Peach-VY LT
▲	3781	Mocha Brown-DK	3787	Brown Gray-DK
×	640	Beige Gray-VY DK	3790	Beige Gray-UL DK
⦿	3862	Mocha Beige-DK	433	Brown-MD
2	318	Steel Gray-LT	415	Pearl Gray
=	3051	Green Gray-DK	611	Drab Brown
▼	610	Drab Brown-DK	936	Avocado Green-VY DK
z	3032	Mocha Brown-MD	3863	Mocha Beige-MD
x	3863	Mocha Beige-MD	3859	Rosewood-LT
×	3064	Desert Sand	372	Mustard-LT
≡	407	Desert Sand-DK	841	Beige Brown-LT
⌘	3032	Mocha Brown-MD	612	Drab Brown-LT
≈	372	Mustard-LT	841	Beige Brown-LT
1	3770	Tawny-VY LT	746	Off White
>	739	Tan-UL VY LT	948	Peach-VY LT
±	738	Tan-VY LT	3023	Brown Gray-LT
△	739	Tan-UL VY LT	613	Drab Brown-VY LT
↓	839	Beige Brown-DK	3799	Pewter Gray-VY DK
φ	632	Desert Sand-UL VY DK	3858	Rosewood-MD
H	317	Pewter Gray	414	Steel Gray-DK
⊙	318	Steel Gray-LT	503	Blue Green-MD
c	648	Beaver Gray-LT	452	Shell Gray-MD
⌘	224	Shell Pink-VY LT	452	Shell Gray-MD
⌘	3032	Mocha Brown-MD	3772	Desert Sand-VY DK
⦿	3799	Pewter Gray-VY DK	3021	Brown Gray-VY DK
▣	413	Pewter Gray-DK	317	Pewter Gray
●	898	Coffee Brown-VY DK	839	Beige Brown-DK
β	778	Antique Mauve-VY LT	3713	Salmon-VY LT
**	3858	Rosewood-MD	898	Coffee Brown-VY DK
←	610	Drab Brown-DK	898	Coffee Brown-VY DK
●	3862	Mocha Beige-DK	898	Coffee Brown-VY DK
⌘	611	Drab Brown	632	Desert Sand-UL VY DK
⦿	948	Peach-VY LT	778	Antique Mauve-VY LT
♦	3721	Shell Pink-DK	420	Hazelnut Brown-DK
✱	3858	Rosewood-MD	3862	Mocha Beige-DK
δ	746	Off White	ecru	Ecru
∞	3823	Yellow-UL Pale	3770	Tawny-VY LT
†	3858	Rosewood-MD	839	Beige Brown-DK
↑	3051	Green Gray-DK	3799	Pewter Gray-VY DK
●	3031	Mocha Brown-VY DK	3799	Pewter Gray-VY DK
⦿	3022	Brown Gray-MD	3032	Mocha Brown-MD
*	610	Drab Brown-DK	3862	Mocha Beige-DK
· ·	950	Desert Sand-LT	452	Shell Gray-MD

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

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		14		16		18	
224	Shell Pink-VY LT	564	222	537	211	483	190
310	Black	1779	700	1694	666	1525	600
317	Pewter Gray	19	7	18	7	16	6
318	Steel Gray-LT	17	6	17	6	15	5
353	Peach	30	11	29	11	26	10
370	Mustard-MD	140	55	133	52	120	47
371	Mustard	495	194	471	185	424	166
372	Mustard-LT	870	342	829	326	746	293
407	Desert Sand-DK	214	84	203	79	183	72
413	Pewter Gray-DK	16	6	16	6	14	5
414	Steel Gray-DK	30	11	29	11	26	10
415	Pearl Gray	30	11	29	11	26	10
420	Hazelnut Brown-DK	342	134	326	128	293	115
422	Hazelnut Brown-LT	19	7	18	7	16	6
433	Brown-MD	208	81	198	77	178	70
452	Shell Gray-MD	385	151	366	144	330	129
453	Shell Gray-LT	54	21	51	20	46	18
503	Blue Green-MD	7	2	7	2	6	2
522	Fern Green	61	24	58	22	52	20
523	Fern Green-LT	65	25	62	24	56	22
524	Fern Green-VY LT	217	85	207	81	186	73
535	Ash Gray-VY LT	23	9	22	8	19	7
543	Beige Brown-UL VY LT	412	162	392	154	353	138
610	Drab Brown-DK	2891	1138	2754	1084	2478	975
611	Drab Brown	2633	1036	2508	987	2257	888
612	Drab Brown-LT	675	265	643	253	578	227
613	Drab Brown-VY LT	286	112	273	107	245	96
632	Desert Sand-UL VY DK	208	81	198	77	178	70
640	Beige Gray-VY DK	1107	435	1054	414	949	373
642	Beige Gray-DK	1196	470	1139	448	1025	403
644	Beige Gray-MD	118	46	113	44	101	39
645	Beaver Gray-VY DK	339	133	323	127	290	114
646	Beaver Gray-DK	77	30	73	28	66	25
647	Beaver Gray-MD	412	162	393	154	353	138
648	Beaver Gray-LT	243	95	231	90	208	81
676	Old Gold-LT	14	5	13	5	12	4
738	Tan-VY LT	436	171	415	163	373	146
739	Tan-UL VY LT	570	224	543	213	488	192
746	Off White	172	67	164	64	147	57
754	Peach-LT	43	16	41	16	37	14
758	Terra Cotta-VY LT	88	34	84	33	76	29
778	Antique Mauve-VY LT	145	57	138	54	125	49
822	Beige Gray-LT	400	157	381	150	342	134
838	Beige Brown-VY DK	69	27	65	25	59	23
839	Beige Brown-DK	1026	403	977	384	879	346
840	Beige Brown-MD	802	315	764	300	687	270
841	Beige Brown-LT	1335	525	1271	500	1144	450
842	Beige Brown-VY LT	923	363	879	346	791	311
844	Beaver Brown-UL DK	848	333	807	317	727	286
898	Coffee Brown-VY DK	334	131	318	125	286	112
927	Gray Green-LT	45	17	43	16	39	15
928	Gray Green-VY LT	6	2	5	1	5	1
936	Avocado Green-VY DK	440	173	419	164	377	148
938	Coffee Brown-UL DK	2641	1039	2515	990	2263	890

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945	Tawny	87	34	83	32	74	29
948	Peach-VY LT	554	218	527	207	474	186
950	Desert Sand-LT	1594	627	1518	597	1366	537
951	Tawny-LT	1403	552	1336	525	1203	473
3011	Khaki Green-DK	1156	455	1101	433	991	390
3012	Khaki Green-MD	1279	503	1218	479	1096	431
3021	Brown Gray-VY DK	5496	2163	5234	2060	4711	1854
3022	Brown Gray-MD	624	245	595	234	535	210
3023	Brown Gray-LT	848	333	807	317	727	286
3031	Mocha Brown-VY DK	3367	1325	3207	1262	2886	1136
3032	Mocha Brown-MD	3469	1365	3304	1300	2974	1170
3045	Yellow Beige-DK	18	7	18	7	16	6
3046	Yellow Beige-MD	17	6	16	6	14	5
3047	Yellow Beige-LT	65	25	62	24	56	22
3051	Green Gray-DK	2271	894	2163	851	1946	766
3052	Green Gray-MD	786	309	749	294	674	265
3053	Green Gray	360	141	343	135	309	121
3064	Desert Sand	48	18	46	18	41	16
3078	Golden Yellow-VY LT	47	18	45	17	40	15
3346	Hunter Green	664	261	632	248	569	224
3347	Yellow Green-MD	335	131	319	125	287	112
3362	Pine Green-DK	561	220	534	210	481	189
3363	Pine Green-MD	41	16	39	15	35	13
3713	Salmon-VY LT	29	11	27	10	25	9
3721	Shell Pink-DK	9	3	9	3	8	3
3743	Antique Violet-VY LT	9	3	8	3	7	2
3753	Antique Blue-UL VY LT	3	1	3	1	3	1
3770	Tawny-VY LT	714	281	680	267	612	240
3772	Desert Sand-VY DK	182	71	173	68	156	61
3774	Desert Sand-VY LT	423	166	403	158	363	142
3779	Terra Cotta-UL VY LT	27	10	26	10	23	9
3781	Mocha Brown-DK	2128	837	2027	798	1824	718
3782	Mocha Brown-LT	1894	745	1804	710	1624	639
3787	Brown Gray-DK	1143	450	1088	428	979	385
3790	Beige Gray-UL DK	2488	979	2370	933	2133	839
3799	Pewter Gray-VY DK	4956	1951	4720	1858	4248	1672
3823	Yellow-UL Pale	1143	450	1089	428	980	385
3828	Hazelnut Brown	30	11	28	11	25	9
3855	Autumn Gold-LT	20	7	19	7	17	6
3858	Rosewood-MD	25	9	24	9	21	8
3859	Rosewood-LT	5	1	5	1	5	1
3860	Cocoa	6	2	6	2	5	1
3861	Cocoa-LT	6	2	6	2	5	1
3862	Mocha Beige-DK	1721	677	1639	645	1475	580
3863	Mocha Beige-MD	1368	538	1303	512	1173	461
3864	Mocha Beige-LT	1356	533	1292	508	1162	457
3865	Winter White	47	18	45	17	40	15
3866	Mocha Brown-UL VY LT	62	24	59	23	53	20
ecru	Ecru	1132	445	1078	424	970	381



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	869	342	725	285	362	143
310	Black	2745	1080	2288	900	1144	450
317	Pewter Gray	29	11	24	9	12	5
318	Steel Gray-LT	27	9	23	8	11	4
353	Peach	47	18	39	15	20	8
370	Mustard-MD	216	85	180	71	90	35
371	Mustard	763	299	636	249	318	125
372	Mustard-LT	1343	527	1119	440	560	220
407	Desert Sand-DK	329	130	275	108	137	54
413	Pewter Gray-DK	25	9	21	8	11	4
414	Steel Gray-DK	47	18	39	15	20	8
415	Pearl Gray	47	18	39	15	20	8
420	Hazelnut Brown-DK	527	207	440	173	220	86
422	Hazelnut Brown-LT	29	11	24	9	12	5
433	Brown-MD	320	126	267	105	134	53
452	Shell Gray-MD	594	232	495	194	248	97
453	Shell Gray-LT	83	32	69	27	35	14
503	Blue Green-MD	11	4	9	3	5	2
522	Fern Green	94	36	78	30	39	15
523	Fern Green-LT	101	40	84	33	42	17
524	Fern Green-VY LT	335	131	279	110	140	55
535	Ash Gray-VY LT	34	13	29	11	14	5
543	Beige Brown-UL VY LT	635	248	530	207	265	104
610	Drab Brown-DK	4460	1755	3717	1463	1859	731
611	Drab Brown	4063	1598	3386	1332	1693	666
612	Drab Brown-LT	1040	409	867	341	434	170
613	Drab Brown-VY LT	441	173	368	144	184	72
632	Desert Sand-UL VY DK	320	126	267	105	134	53
640	Beige Gray-VY DK	1708	671	1424	560	712	280
642	Beige Gray-DK	1845	725	1538	605	769	302
644	Beige Gray-MD	182	70	152	59	76	29
645	Beaver Gray-VY DK	522	205	435	171	218	86
646	Beaver Gray-DK	119	45	99	38	50	19
647	Beaver Gray-MD	635	248	530	207	265	104
648	Beaver Gray-LT	374	146	312	122	156	61
676	Old Gold-LT	22	7	18	6	9	3
738	Tan-VY LT	671	263	560	219	280	110
739	Tan-UL VY LT	878	346	732	288	366	144
746	Off White	265	103	221	86	110	43
754	Peach-LT	67	25	56	21	28	11
758	Terra Cotta-VY LT	137	52	114	44	57	22
778	Antique Mauve-VY LT	225	88	188	74	94	37
822	Beige Gray-LT	616	241	513	201	257	101
838	Beige Brown-VY DK	106	41	89	35	44	17
839	Beige Brown-DK	1582	623	1319	519	659	260
840	Beige Brown-MD	1237	486	1031	405	515	203
841	Beige Brown-LT	2059	810	1716	675	858	338
842	Beige Brown-VY LT	1424	560	1187	467	593	233
844	Beaver Brown-UL DK	1309	515	1091	429	545	215
898	Coffee Brown-VY DK	515	202	429	168	215	84
927	Gray Green-LT	70	27	59	23	29	11
928	Gray Green-VY LT	9	2	8	2	4	1
936	Avocado Green-VY DK	679	266	566	222	283	111

938	Coffee Brown-UL DK	4073	1602	3395	1335	1697	668
945	Tawny	133	52	111	44	56	22
948	Peach-VY LT	853	335	711	279	356	140
950	Desert Sand-LT	2459	967	2049	806	1025	403
951	Tawny-LT	2165	851	1805	710	902	355
3011	Khaki Green-DK	1784	702	1487	585	743	293
3012	Khaki Green-MD	1973	776	1644	647	822	323
3021	Brown Gray-VY DK	8480	3337	7067	2781	3533	1391
3022	Brown Gray-MD	963	378	803	315	401	158
3023	Brown Gray-LT	1309	515	1091	429	545	215
3031	Mocha Brown-VY DK	5195	2045	4329	1704	2165	852
3032	Mocha Brown-MD	5353	2106	4461	1755	2231	878
3045	Yellow Beige-DK	29	11	24	9	12	5
3046	Yellow Beige-MD	25	9	21	8	11	4
3047	Yellow Beige-LT	101	40	84	33	42	17
3051	Green Gray-DK	3503	1379	2919	1149	1460	575
3052	Green Gray-MD	1213	477	1011	398	506	199
3053	Green Gray	556	218	464	182	232	91
3064	Desert Sand	74	29	62	24	31	12
3078	Golden Yellow-VY LT	72	27	60	23	30	11
3346	Hunter Green	1024	403	854	336	427	168
3347	Yellow Green-MD	517	202	431	168	215	84
3362	Pine Green-DK	866	340	722	284	361	142
3363	Pine Green-MD	63	23	53	20	26	10
3713	Salmon-VY LT	45	16	38	14	19	7
3721	Shell Pink-DK	14	5	12	5	6	2
3743	Antique Violet-VY LT	13	4	11	3	5	2
3753	Antique Blue-UL VY LT	5	2	5	2	2	1
3770	Tawny-VY LT	1102	432	918	360	459	180
3772	Desert Sand-VY DK	281	110	234	92	117	46
3774	Desert Sand-VY LT	653	256	545	213	272	107
3779	Terra Cotta-UL VY LT	41	16	35	14	17	7
3781	Mocha Brown-DK	3283	1292	2736	1077	1368	539
3782	Mocha Brown-LT	2923	1150	2436	959	1218	479
3787	Brown Gray-DK	1762	693	1469	578	734	289
3790	Beige Gray-UL DK	3839	1510	3200	1259	1600	629
3799	Pewter Gray-VY DK	7646	3010	6372	2508	3186	1254
3823	Yellow-UL Pale	1764	693	1470	578	735	289
3828	Hazelnut Brown	45	16	38	14	19	7
3855	Autumn Gold-LT	31	11	26	9	13	5
3858	Rosewood-MD	38	14	32	12	16	6
3859	Rosewood-LT	9	2	8	2	4	1
3860	Cocoa	9	2	8	2	4	1
3861	Cocoa-LT	9	2	8	2	4	1
3862	Mocha Beige-DK	2655	1044	2213	870	1106	435
3863	Mocha Beige-MD	2111	830	1760	692	880	346
3864	Mocha Beige-LT	2092	823	1743	686	872	343
3865	Winter White	72	27	60	23	30	11
3866	Mocha Brown-UL VY LT	95	36	80	30	40	15
ecru	Ecru	1746	686	1455	572	728	286

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	348	137	334	132	322	127
310	Black	1098	432	1056	415	1017	400
317	Pewter Gray	12	4	11	4	11	4
318	Steel Gray-LT	11	4	10	3	10	3
353	Peach	19	7	18	7	17	7
370	Mustard-MD	86	34	83	33	80	31
371	Mustard	305	120	294	115	283	111
372	Mustard-LT	537	211	516	203	497	195
407	Desert Sand-DK	132	52	127	50	122	48
413	Pewter Gray-DK	10	4	10	3	9	3
414	Steel Gray-DK	19	7	18	7	17	7
415	Pearl Gray	19	7	18	7	17	7
420	Hazelnut Brown-DK	211	83	203	80	195	77
422	Hazelnut Brown-LT	12	4	11	4	11	4
433	Brown-MD	128	50	123	48	119	47
452	Shell Gray-MD	238	93	228	89	220	86
453	Shell Gray-LT	33	13	32	12	31	12
503	Blue Green-MD	4	1	4	1	4	1
522	Fern Green	37	14	36	14	35	13
523	Fern Green-LT	40	16	39	15	37	15
524	Fern Green-VY LT	134	53	129	51	124	49
535	Ash Gray-VY LT	14	5	13	5	13	5
543	Beige Brown-UL VY LT	254	99	244	96	235	92
610	Drab Brown-DK	1784	702	1716	675	1652	650
611	Drab Brown	1625	639	1563	615	1505	592
612	Drab Brown-LT	416	163	400	157	385	151
613	Drab Brown-VY LT	176	69	170	66	163	64
632	Desert Sand-UL VY DK	128	50	123	48	119	47
640	Beige Gray-VY DK	683	269	657	258	633	249
642	Beige Gray-DK	738	290	710	279	683	269
644	Beige Gray-MD	73	28	70	27	67	26
645	Beaver Gray-VY DK	209	82	201	79	193	76
646	Beaver Gray-DK	48	18	46	17	44	17
647	Beaver Gray-MD	254	99	244	96	235	92
648	Beaver Gray-LT	150	58	144	56	139	54
676	Old Gold-LT	9	3	8	3	8	3
738	Tan-VY LT	269	105	258	101	249	97
739	Tan-UL VY LT	351	138	338	133	325	128
746	Off White	106	41	102	39	98	38
754	Peach-LT	27	10	26	10	25	9
758	Terra Cotta-VY LT	55	21	53	20	51	19
778	Antique Mauve-VY LT	90	35	87	34	83	33
822	Beige Gray-LT	246	96	237	93	228	89
838	Beige Brown-VY DK	42	17	41	16	39	15
839	Beige Brown-DK	633	249	609	240	586	231
840	Beige Brown-MD	495	194	476	187	458	180
841	Beige Brown-LT	824	324	792	312	763	300
842	Beige Brown-VY LT	570	224	548	215	527	207
844	Beaver Brown-UL DK	523	206	503	198	485	191
898	Coffee Brown-VY DK	206	81	198	78	191	75
927	Gray Green-LT	28	11	27	10	26	10
928	Gray Green-VY LT	4	1	3	1	3	1
936	Avocado Green-VY DK	271	107	261	102	251	99

938	Coffee Brown-UL DK	1629	641	1567	616	1509	593
945	Tawny	53	21	51	20	49	19
948	Peach-VY LT	341	134	328	129	316	124
950	Desert Sand-LT	984	387	946	372	911	358
951	Tawny-LT	866	341	833	327	802	315
3011	Khaki Green-DK	714	281	686	270	661	260
3012	Khaki Green-MD	789	310	759	298	731	287
3021	Brown Gray-VY DK	3392	1335	3261	1284	3141	1236
3022	Brown Gray-MD	385	151	370	145	357	140
3023	Brown Gray-LT	523	206	503	198	485	191
3031	Mocha Brown-VY DK	2078	818	1998	786	1924	757
3032	Mocha Brown-MD	2141	842	2059	810	1983	780
3045	Yellow Beige-DK	12	4	11	4	11	4
3046	Yellow Beige-MD	10	4	10	3	9	3
3047	Yellow Beige-LT	40	16	39	15	37	15
3051	Green Gray-DK	1401	552	1347	530	1297	511
3052	Green Gray-MD	485	191	467	183	449	177
3053	Green Gray	222	87	214	84	206	81
3064	Desert Sand	30	12	28	11	27	11
3078	Golden Yellow-VY LT	29	11	28	10	27	10
3346	Hunter Green	410	161	394	155	379	149
3347	Yellow Green-MD	207	81	199	78	191	75
3362	Pine Green-DK	346	136	333	131	321	126
3363	Pine Green-MD	25	9	24	9	23	9
3713	Salmon-VY LT	18	6	17	6	17	6
3721	Shell Pink-DK	6	2	6	2	5	2
3743	Antique Violet-VY LT	5	1	5	1	5	1
3753	Antique Blue-UL VY LT	2	1	2	1	2	1
3770	Tawny-VY LT	441	173	424	166	408	160
3772	Desert Sand-VY DK	112	44	108	42	104	41
3774	Desert Sand-VY LT	261	102	251	98	242	95
3779	Terra Cotta-UL VY LT	17	6	16	6	15	6
3781	Mocha Brown-DK	1313	517	1263	497	1216	479
3782	Mocha Brown-LT	1169	460	1124	442	1083	426
3787	Brown Gray-DK	705	277	678	267	653	257
3790	Beige Gray-UL DK	1536	604	1477	581	1422	559
3799	Pewter Gray-VY DK	3059	1204	2941	1158	2832	1115
3823	Yellow-UL Pale	706	277	678	267	653	257
3828	Hazelnut Brown	18	6	17	6	17	6
3855	Autumn Gold-LT	12	4	12	4	11	4
3858	Rosewood-MD	15	6	15	6	14	5
3859	Rosewood-LT	4	1	3	1	3	1
3860	Cocoa	4	1	3	1	3	1
3861	Cocoa-LT	4	1	3	1	3	1
3862	Mocha Beige-DK	1062	418	1021	402	983	387
3863	Mocha Beige-MD	845	332	812	319	782	307
3864	Mocha Beige-LT	837	329	804	316	775	305
3865	Winter White	29	11	28	10	27	10
3866	Mocha Brown-UL VY LT	38	14	37	14	35	13
ecru	Ecru	698	274	672	264	647	254

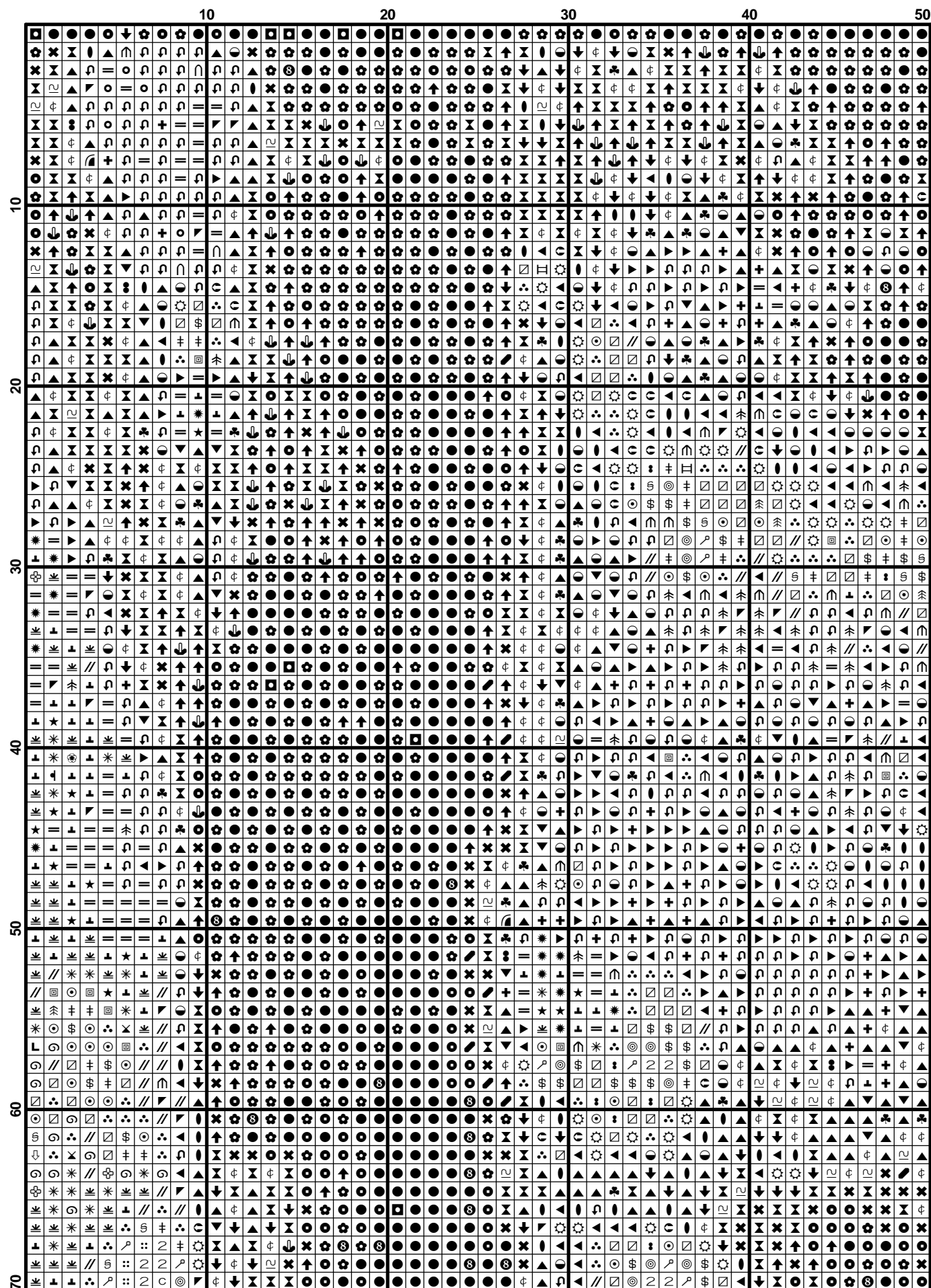
Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
224	Shell Pink-VY LT	311	122	290	114	272	107
310	Black	980	386	915	360	858	338
317	Pewter Gray	10	4	10	4	9	3
318	Steel Gray-LT	10	3	9	3	8	3
353	Peach	17	6	16	6	15	6
370	Mustard-MD	77	30	72	28	68	26
371	Mustard	273	107	254	100	239	93
372	Mustard-LT	480	188	448	176	420	165
407	Desert Sand-DK	118	46	110	43	103	41
413	Pewter Gray-DK	9	3	8	3	8	3
414	Steel Gray-DK	17	6	16	6	15	6
415	Pearl Gray	17	6	16	6	15	6
420	Hazelnut Brown-DK	188	74	176	69	165	65
422	Hazelnut Brown-LT	10	4	10	4	9	3
433	Brown-MD	114	45	107	42	100	39
452	Shell Gray-MD	212	83	198	77	186	73
453	Shell Gray-LT	30	12	28	11	26	10
503	Blue Green-MD	4	1	4	1	3	1
522	Fern Green	33	13	31	12	29	11
523	Fern Green-LT	36	14	34	13	32	12
524	Fern Green-VY LT	120	47	112	44	105	41
535	Ash Gray-VY LT	12	5	11	4	11	4
543	Beige Brown-UL VY LT	227	89	212	83	199	78
610	Drab Brown-DK	1593	627	1487	585	1394	548
611	Drab Brown	1451	571	1354	533	1270	500
612	Drab Brown-LT	372	146	347	136	325	128
613	Drab Brown-VY LT	158	62	147	58	138	54
632	Desert Sand-UL VY DK	114	45	107	42	100	39
640	Beige Gray-VY DK	610	240	569	224	534	210
642	Beige Gray-DK	659	259	615	242	577	227
644	Beige Gray-MD	65	25	61	23	57	22
645	Beaver Gray-VY DK	186	73	174	68	163	64
646	Beaver Gray-DK	42	16	40	15	37	14
647	Beaver Gray-MD	227	89	212	83	199	78
648	Beaver Gray-LT	134	52	125	49	117	46
676	Old Gold-LT	8	3	7	2	7	2
738	Tan-VY LT	240	94	224	88	210	82
739	Tan-UL VY LT	314	123	293	115	275	108
746	Off White	95	37	88	34	83	32
754	Peach-LT	24	9	22	8	21	8
758	Terra Cotta-VY LT	49	19	46	17	43	16
778	Antique Mauve-VY LT	80	32	75	29	70	28
822	Beige Gray-LT	220	86	205	80	192	75
838	Beige Brown-VY DK	38	15	35	14	33	13
839	Beige Brown-DK	565	222	527	208	494	195
840	Beige Brown-MD	442	174	412	162	386	152
841	Beige Brown-LT	735	289	686	270	644	253
842	Beige Brown-VY LT	509	200	475	187	445	175
844	Beaver Brown-UL DK	467	184	436	172	409	161
898	Coffee Brown-VY DK	184	72	172	67	161	63
927	Gray Green-LT	25	10	23	9	22	8
928	Gray Green-VY LT	3	1	3	1	3	1
936	Avocado Green-VY DK	242	95	226	89	212	83
938	Coffee Brown-UL DK	1455	572	1358	534	1273	501

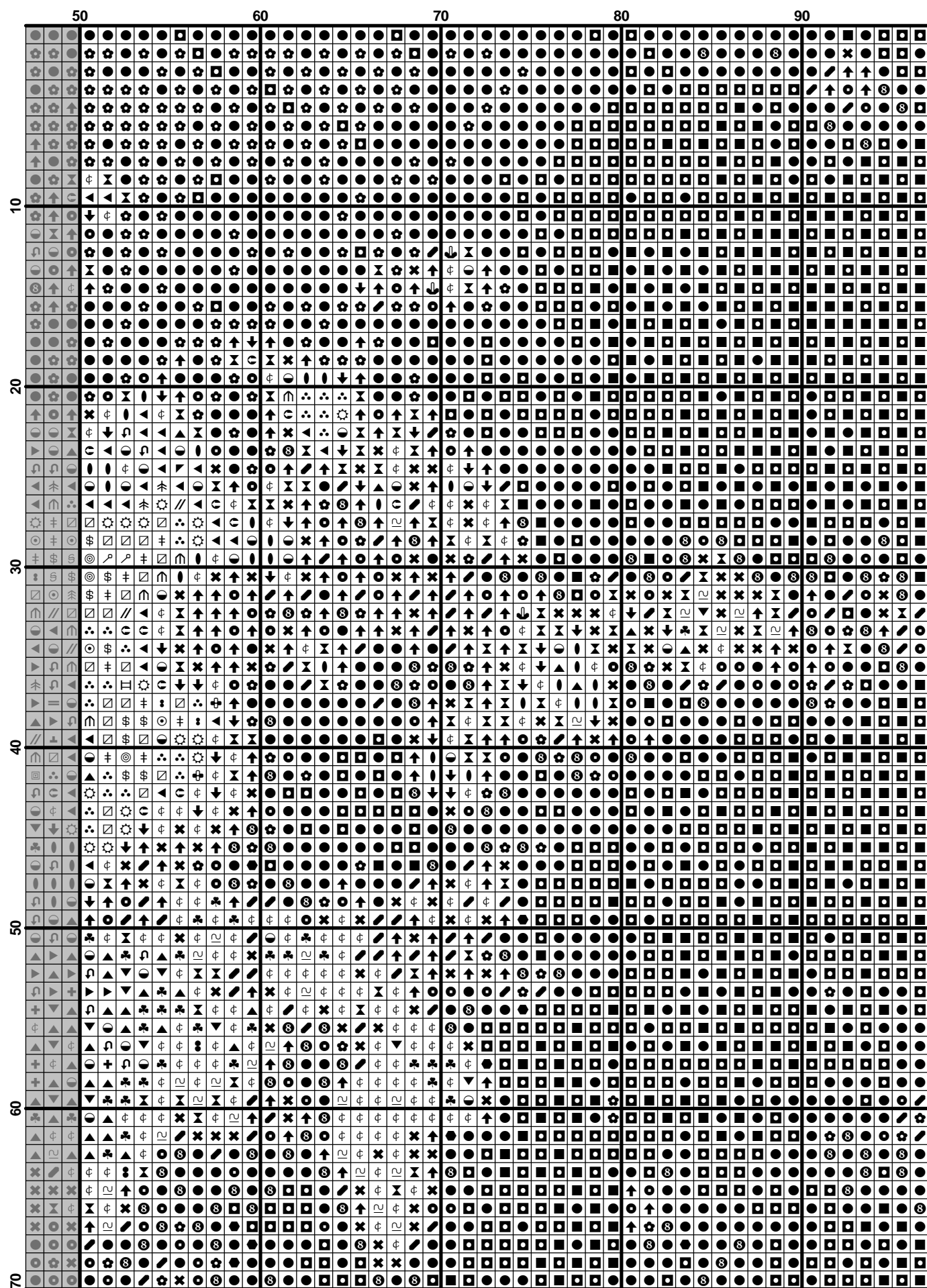
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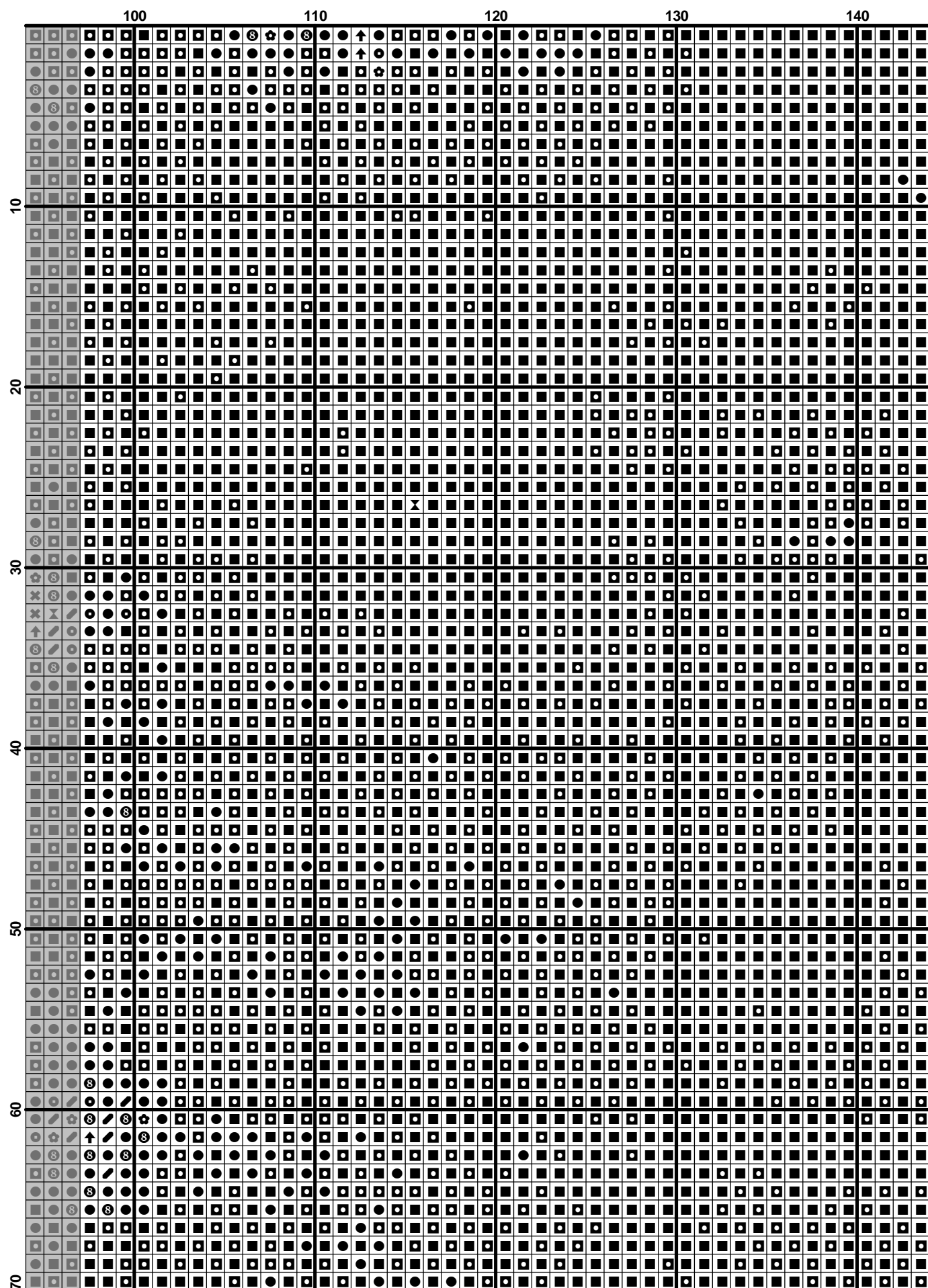
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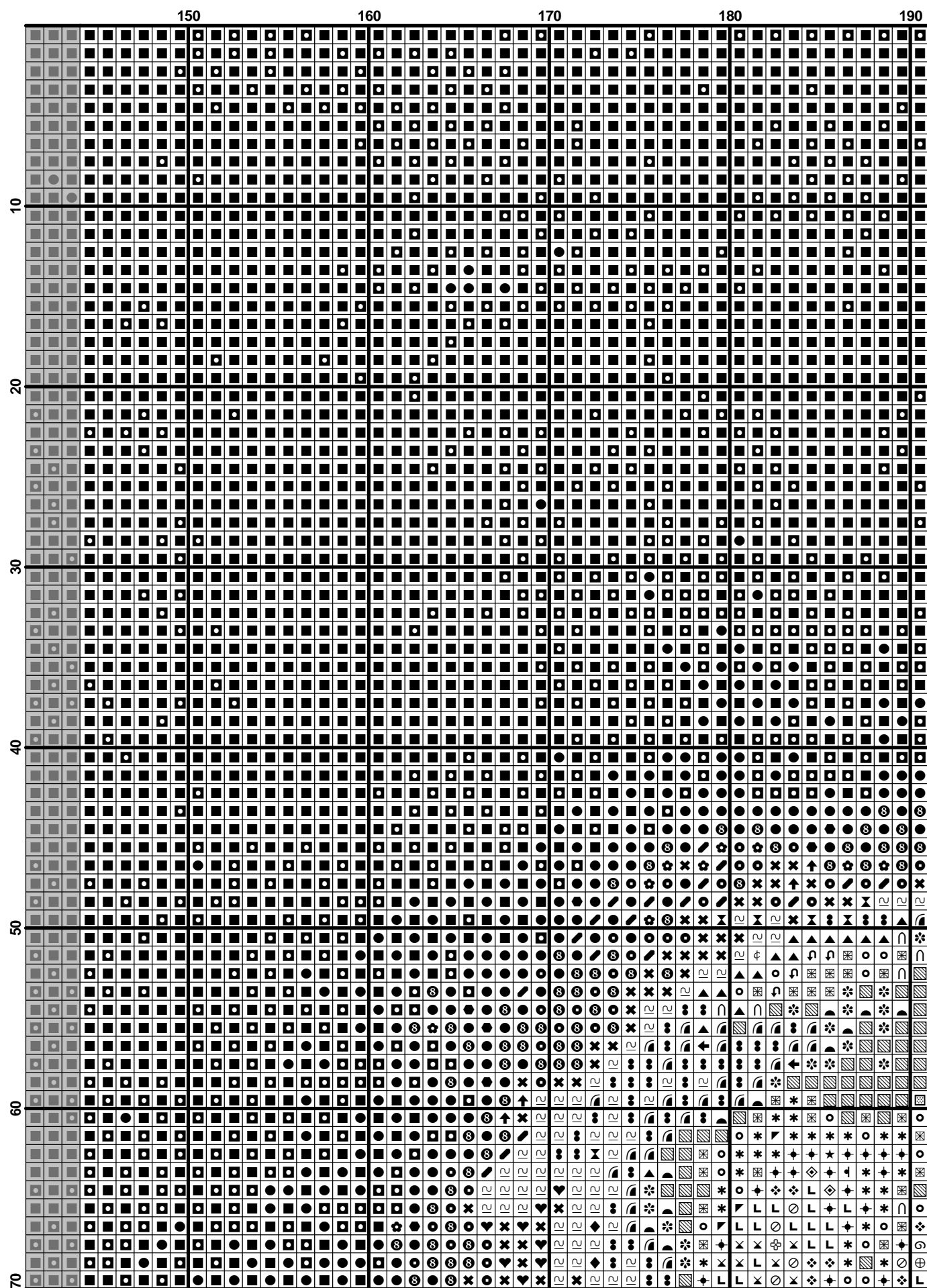
945	Tawny	48	19	44	17	42	16
948	Peach-VY LT	305	120	284	112	267	105
950	Desert Sand-LT	878	345	820	322	768	302
951	Tawny-LT	773	304	722	284	677	266
3011	Khaki Green-DK	637	251	595	234	557	219
3012	Khaki Green-MD	705	277	658	259	617	242
3021	Brown Gray-VY DK	3029	1192	2827	1112	2650	1043
3022	Brown Gray-MD	344	135	321	126	301	118
3023	Brown Gray-LT	467	184	436	172	409	161
3031	Mocha Brown-VY DK	1855	730	1732	682	1623	639
3032	Mocha Brown-MD	1912	752	1784	702	1673	658
3045	Yellow Beige-DK	10	4	10	4	9	3
3046	Yellow Beige-MD	9	3	8	3	8	3
3047	Yellow Beige-LT	36	14	34	13	32	12
3051	Green Gray-DK	1251	492	1168	460	1095	431
3052	Green Gray-MD	433	170	404	159	379	149
3053	Green Gray	199	78	185	73	174	68
3064	Desert Sand	26	10	25	10	23	9
3078	Golden Yellow-VY LT	26	10	24	9	23	8
3346	Hunter Green	366	144	341	134	320	126
3347	Yellow Green-MD	185	72	172	67	161	63
3362	Pine Green-DK	309	122	289	113	271	106
3363	Pine Green-MD	23	8	21	8	20	7
3713	Salmon-VY LT	16	6	15	5	14	5
3721	Shell Pink-DK	5	2	5	2	5	2
3743	Antique Violet-VY LT	5	1	4	1	4	1
3753	Antique Blue-UL VY LT	2	1	2	1	2	1
3770	Tawny-VY LT	393	154	367	144	344	135
3772	Desert Sand-VY DK	100	39	94	37	88	34
3774	Desert Sand-VY LT	233	91	218	85	204	80
3779	Terra Cotta-UL VY LT	15	6	14	5	13	5
3781	Mocha Brown-DK	1173	462	1094	431	1026	404
3782	Mocha Brown-LT	1044	411	974	383	914	359
3787	Brown Gray-DK	629	248	587	231	551	217
3790	Beige Gray-UL DK	1371	539	1280	503	1200	472
3799	Pewter Gray-VY DK	2731	1075	2549	1003	2390	941
3823	Yellow-UL Pale	630	248	588	231	551	217
3828	Hazelnut Brown	16	6	15	5	14	5
3855	Autumn Gold-LT	11	4	10	4	10	3
3858	Rosewood-MD	14	5	13	5	12	5
3859	Rosewood-LT	3	1	3	1	3	1
3860	Cocoa	3	1	3	1	3	1
3861	Cocoa-LT	3	1	3	1	3	1
3862	Mocha Beige-DK	948	373	885	348	830	326
3863	Mocha Beige-MD	754	296	704	277	660	259
3864	Mocha Beige-LT	747	294	697	274	654	257
3865	Winter White	26	10	24	9	23	8
3866	Mocha Brown-UL VY LT	34	13	32	12	30	11
ecru	Ecru	624	245	582	229	546	214

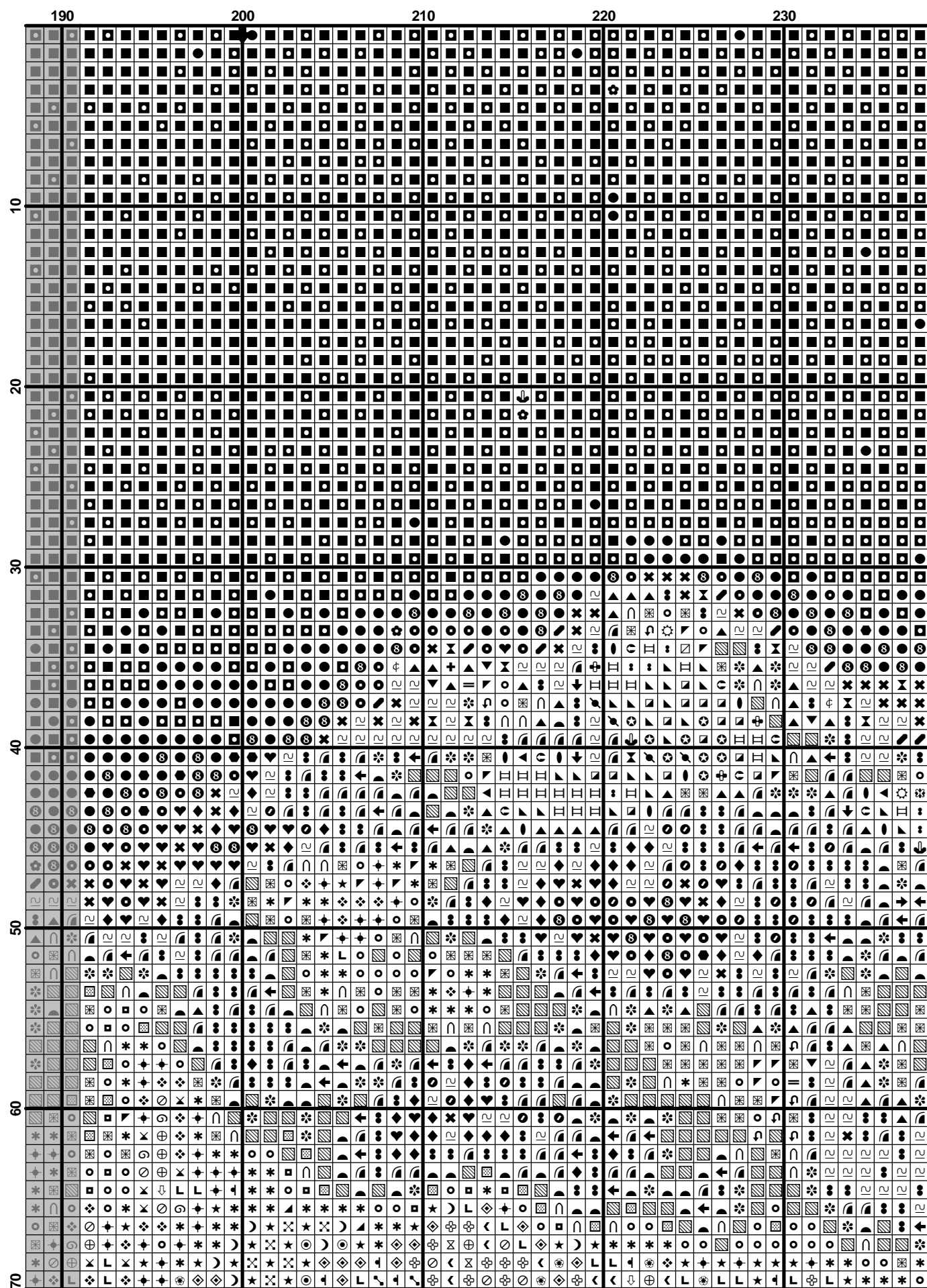


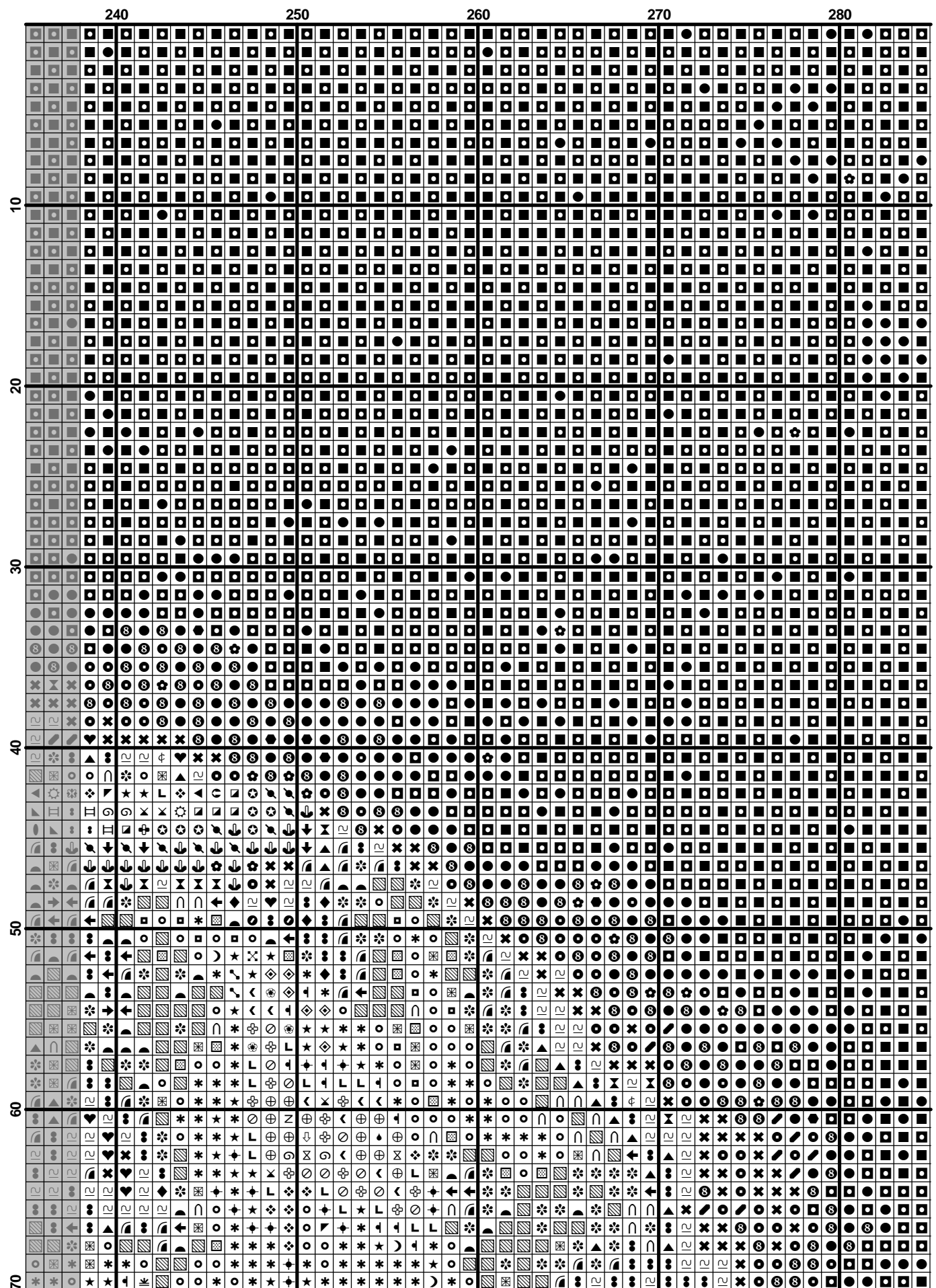


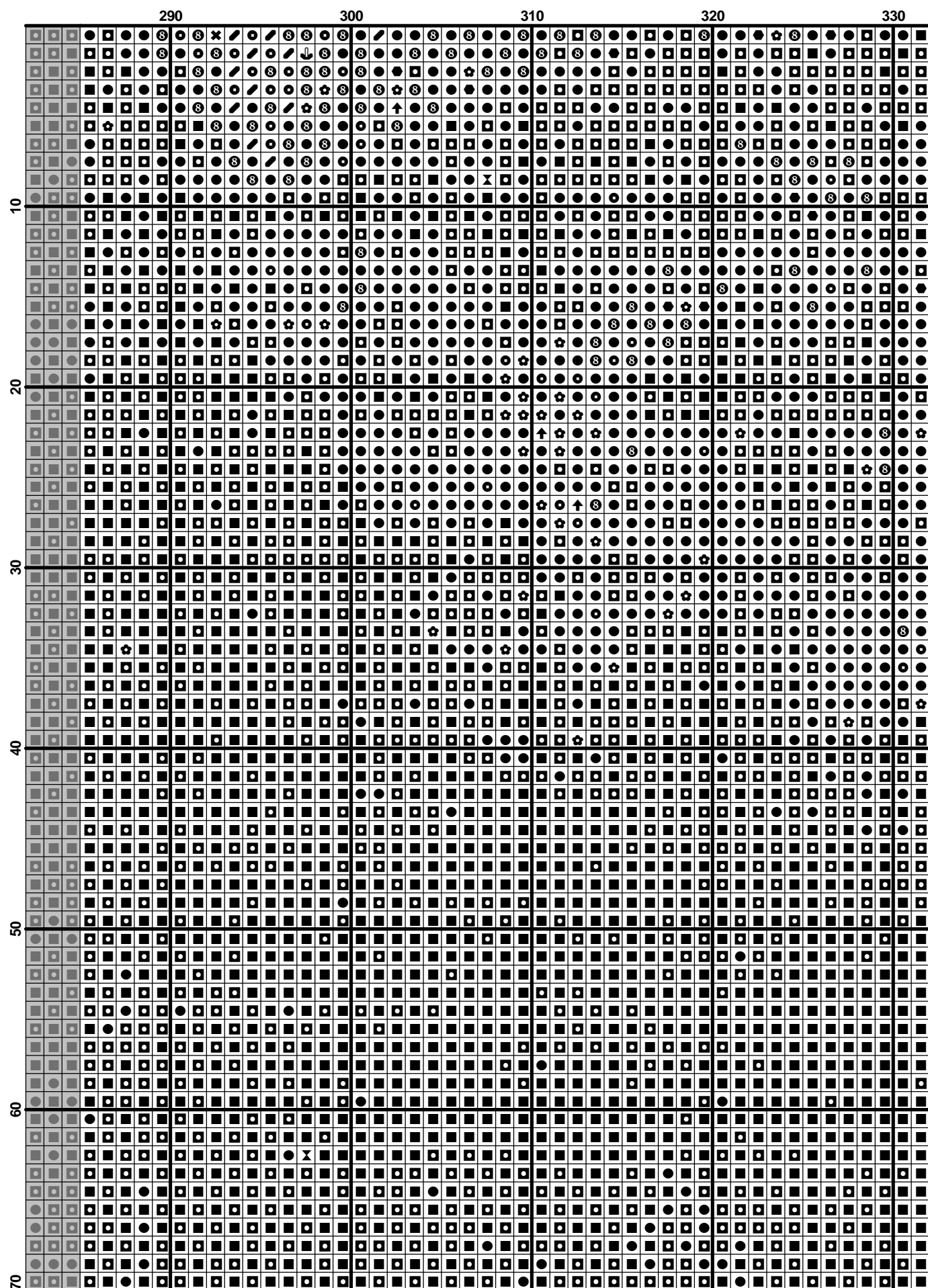


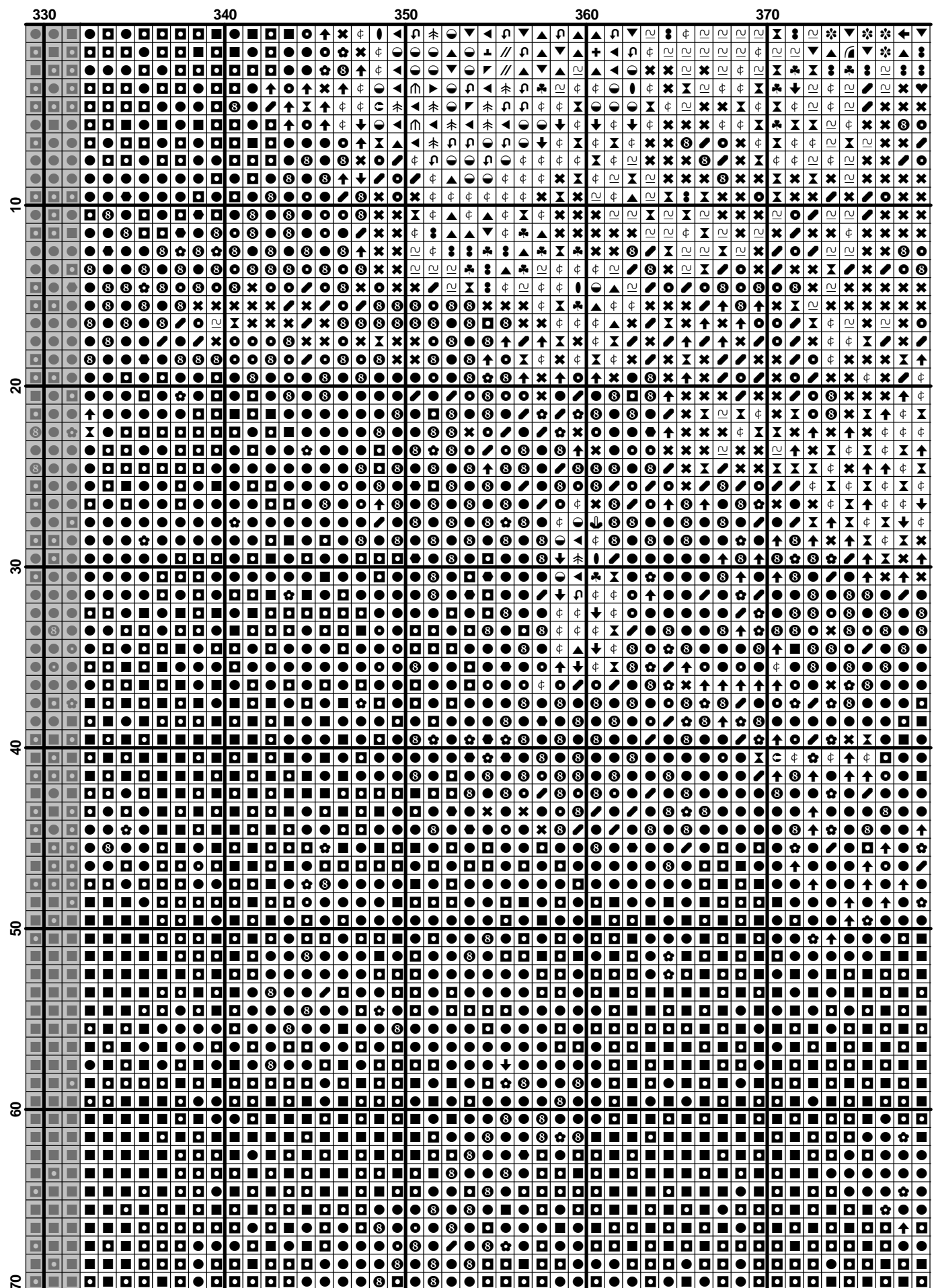




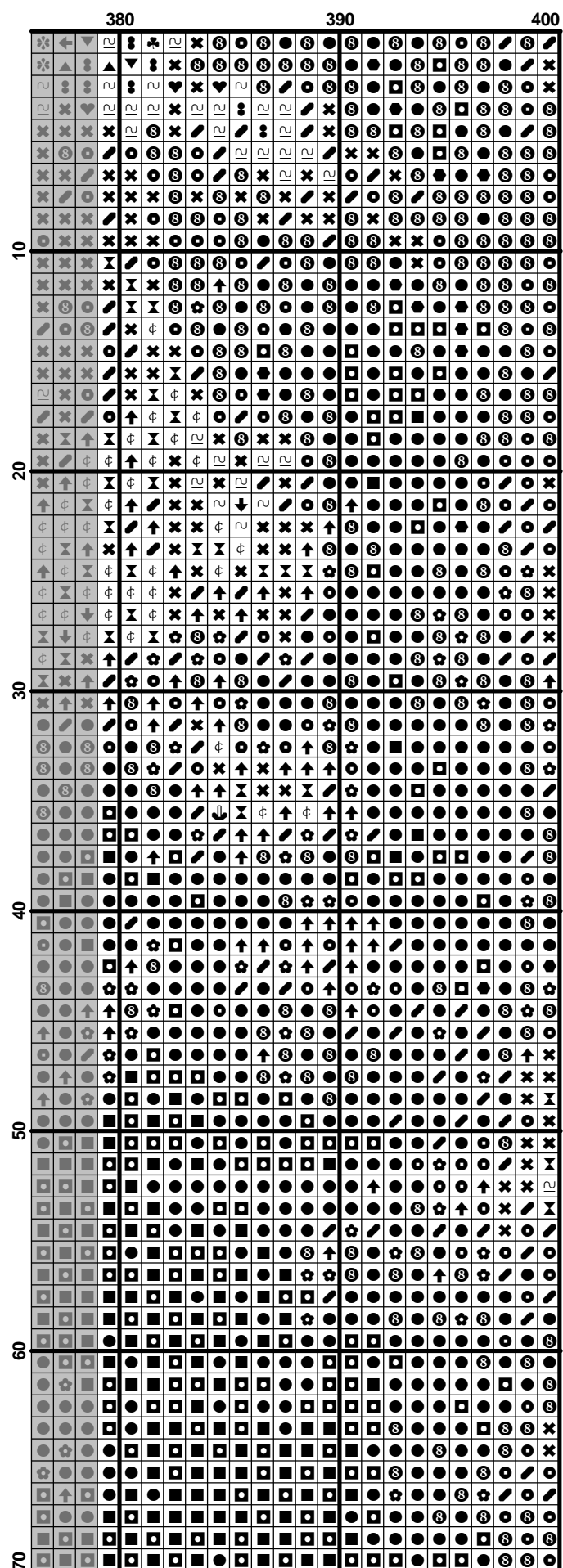




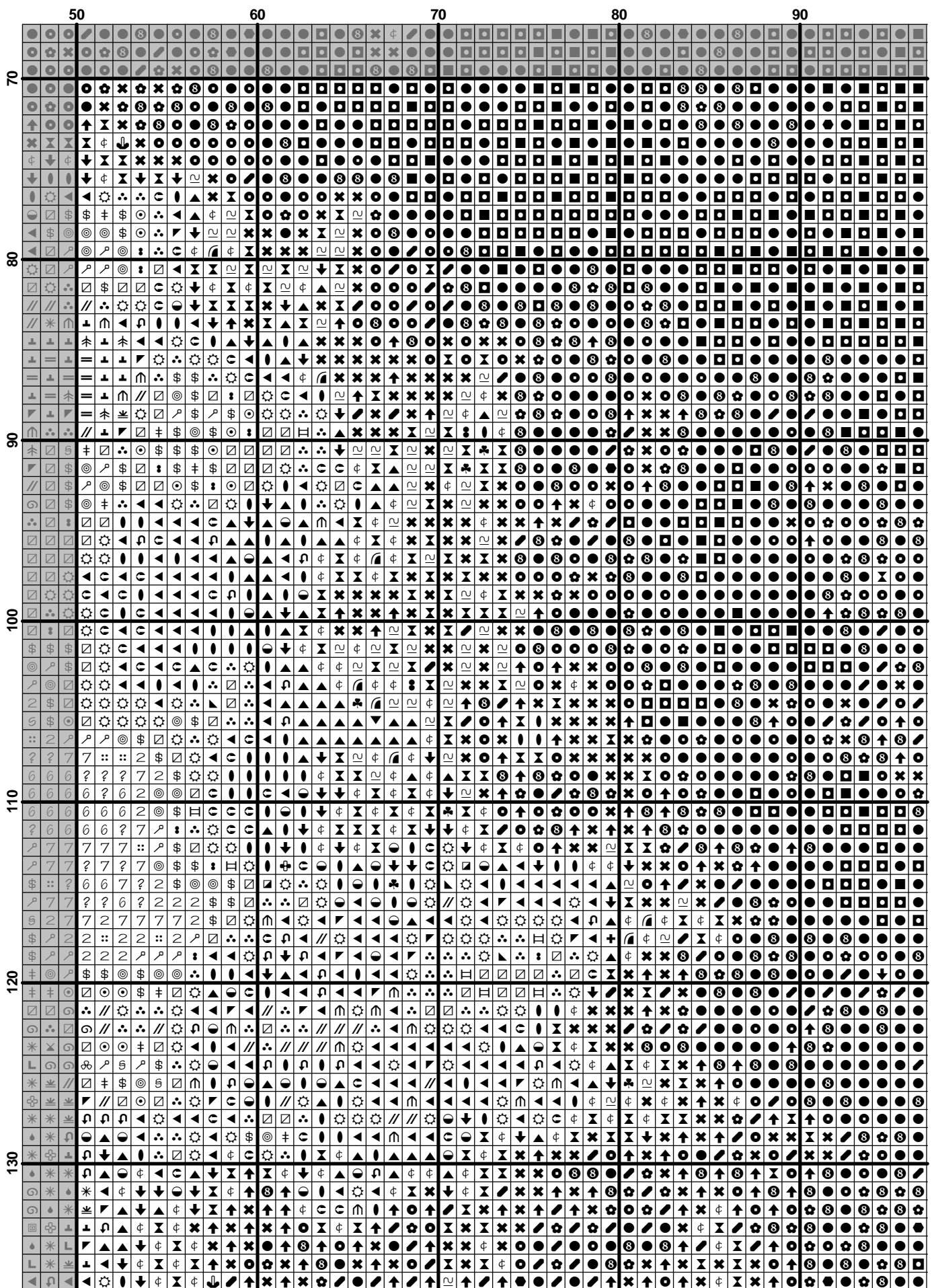


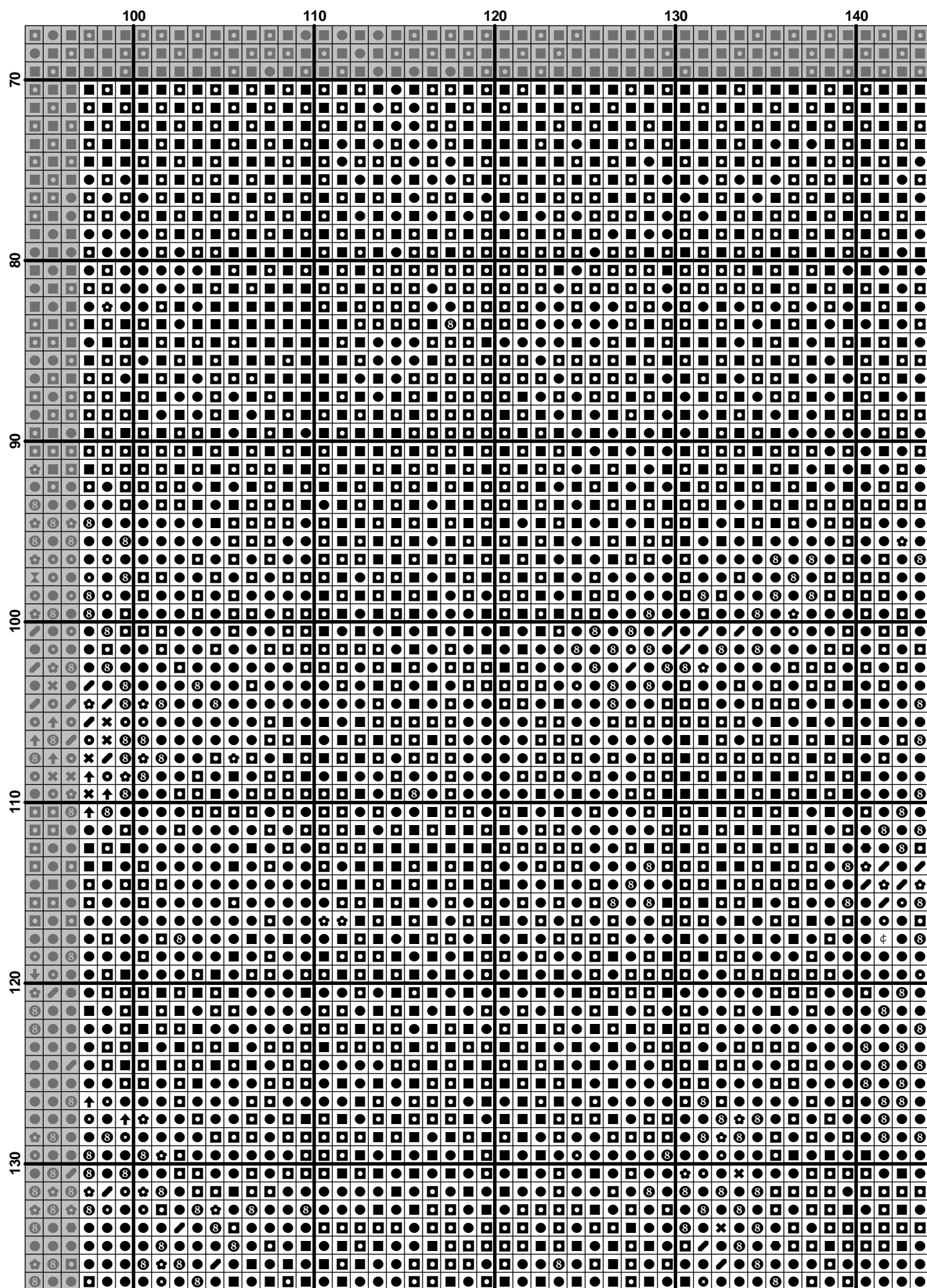






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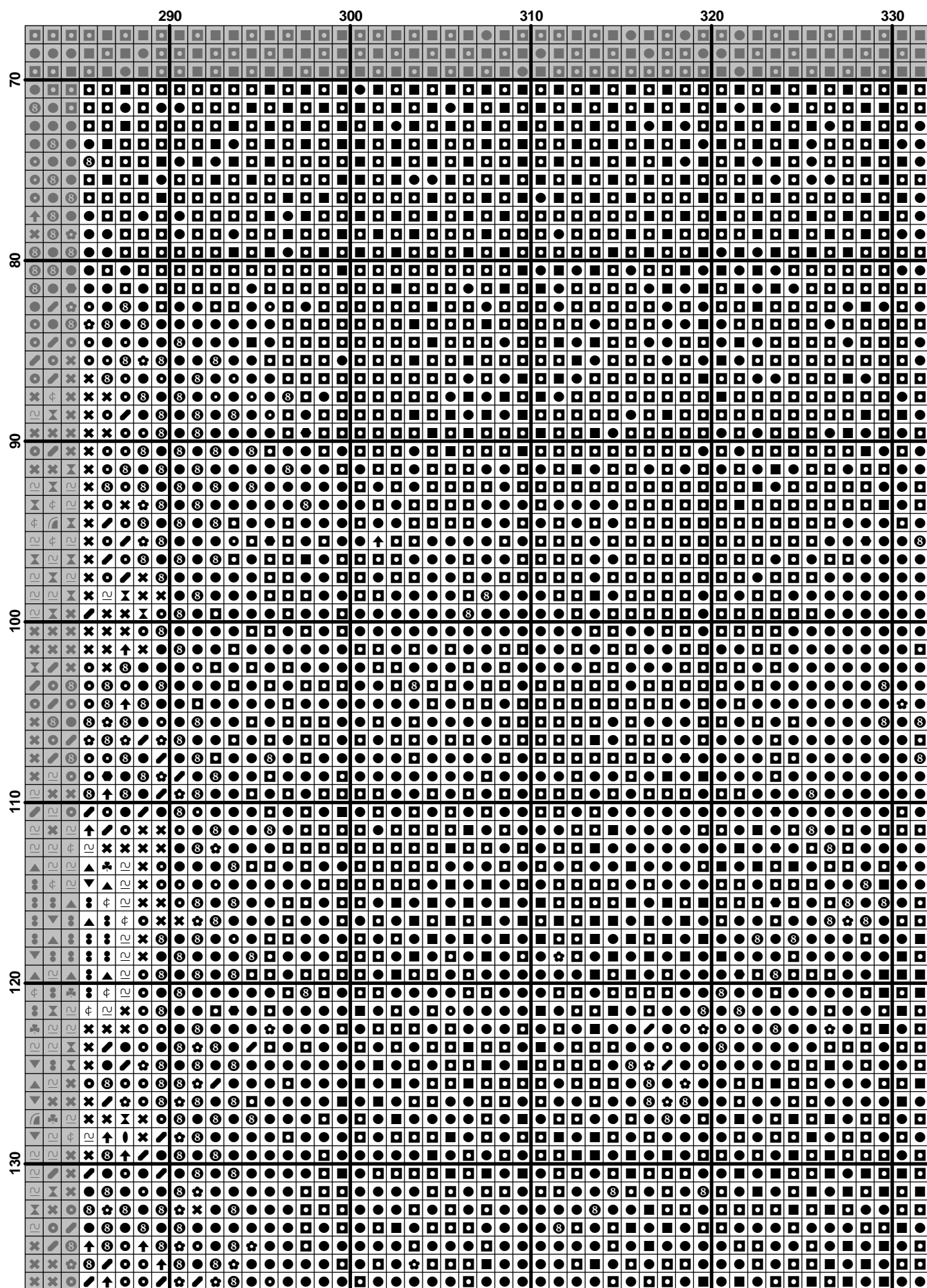


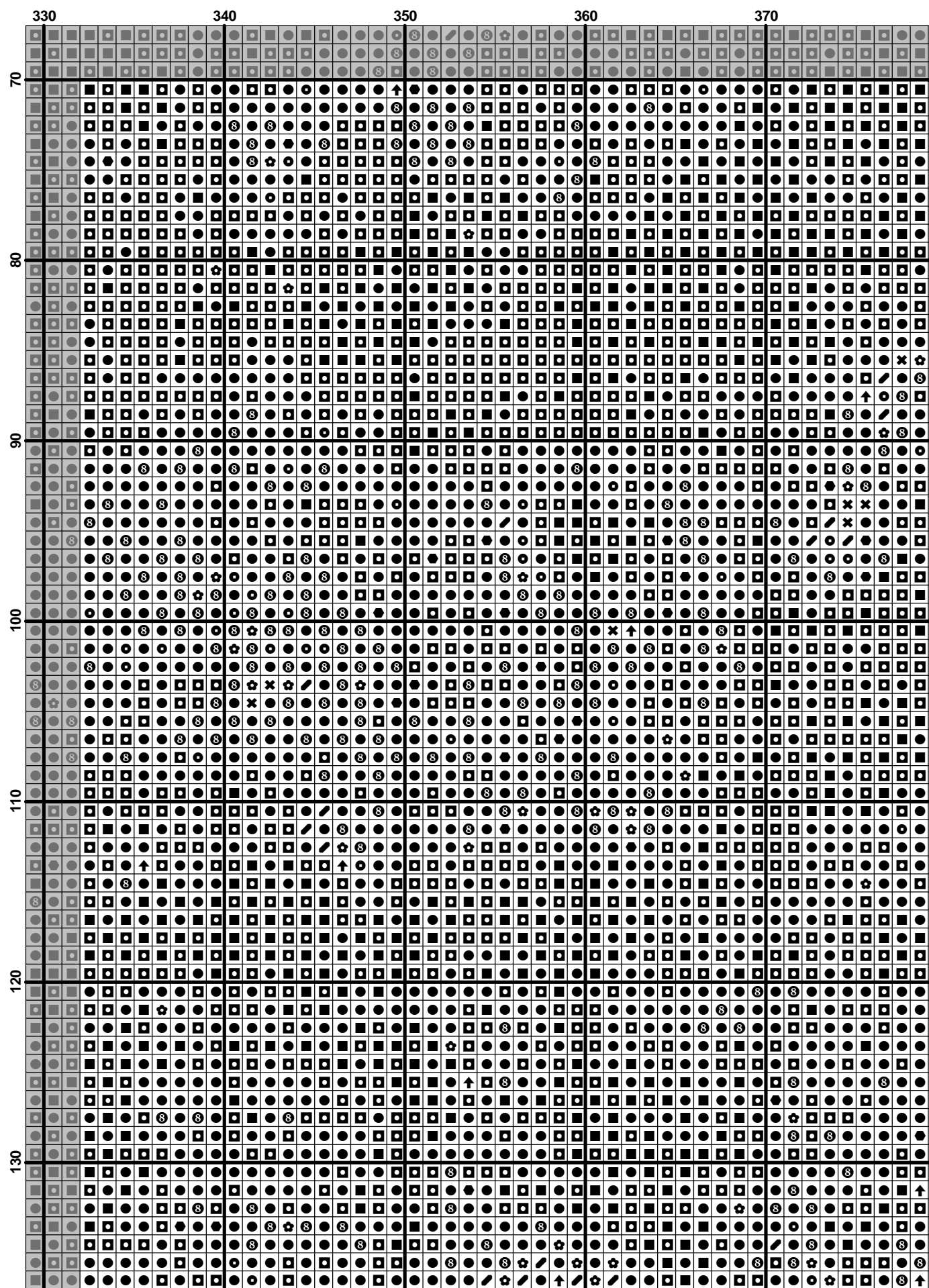
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70					
80					
90					
100					
110					
120					
130					

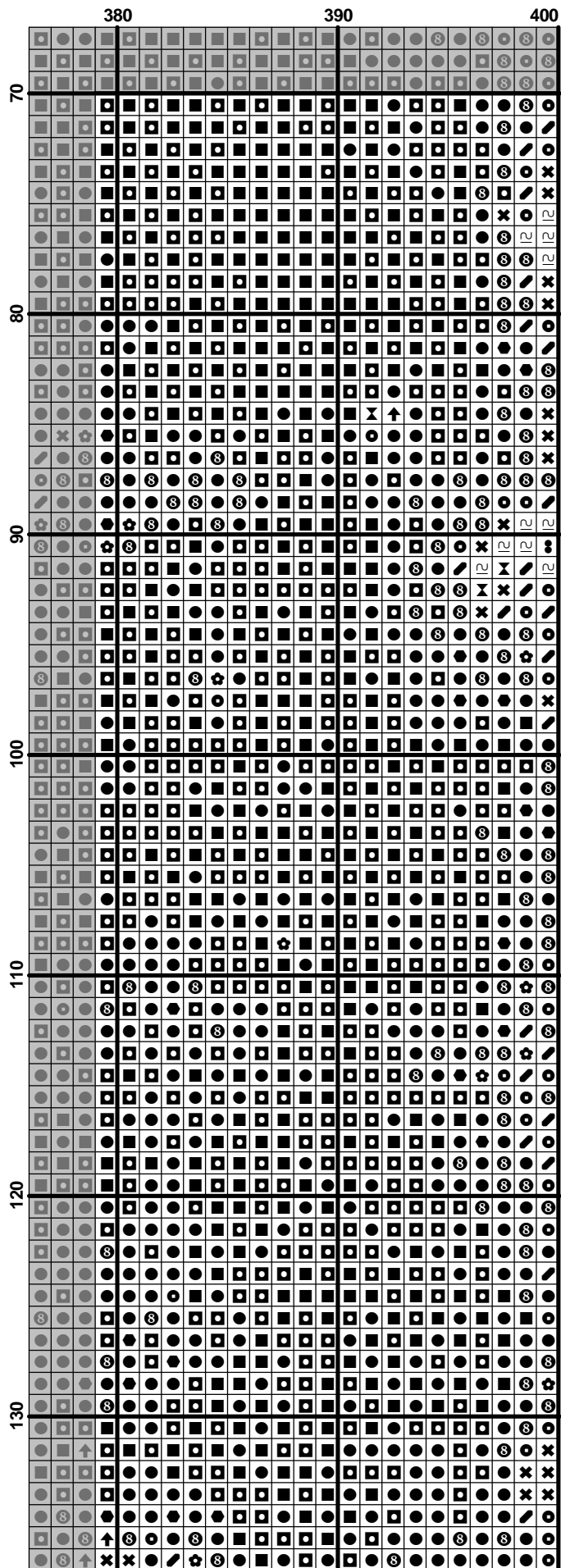
	190	200	210	220	230
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80	...	...	...	...	...
90	...	...	...	...	...
100	...	...	...	...	...
110	...	...	...	...	...
120	...	...	...	...	...
130	...	...	...	...	...

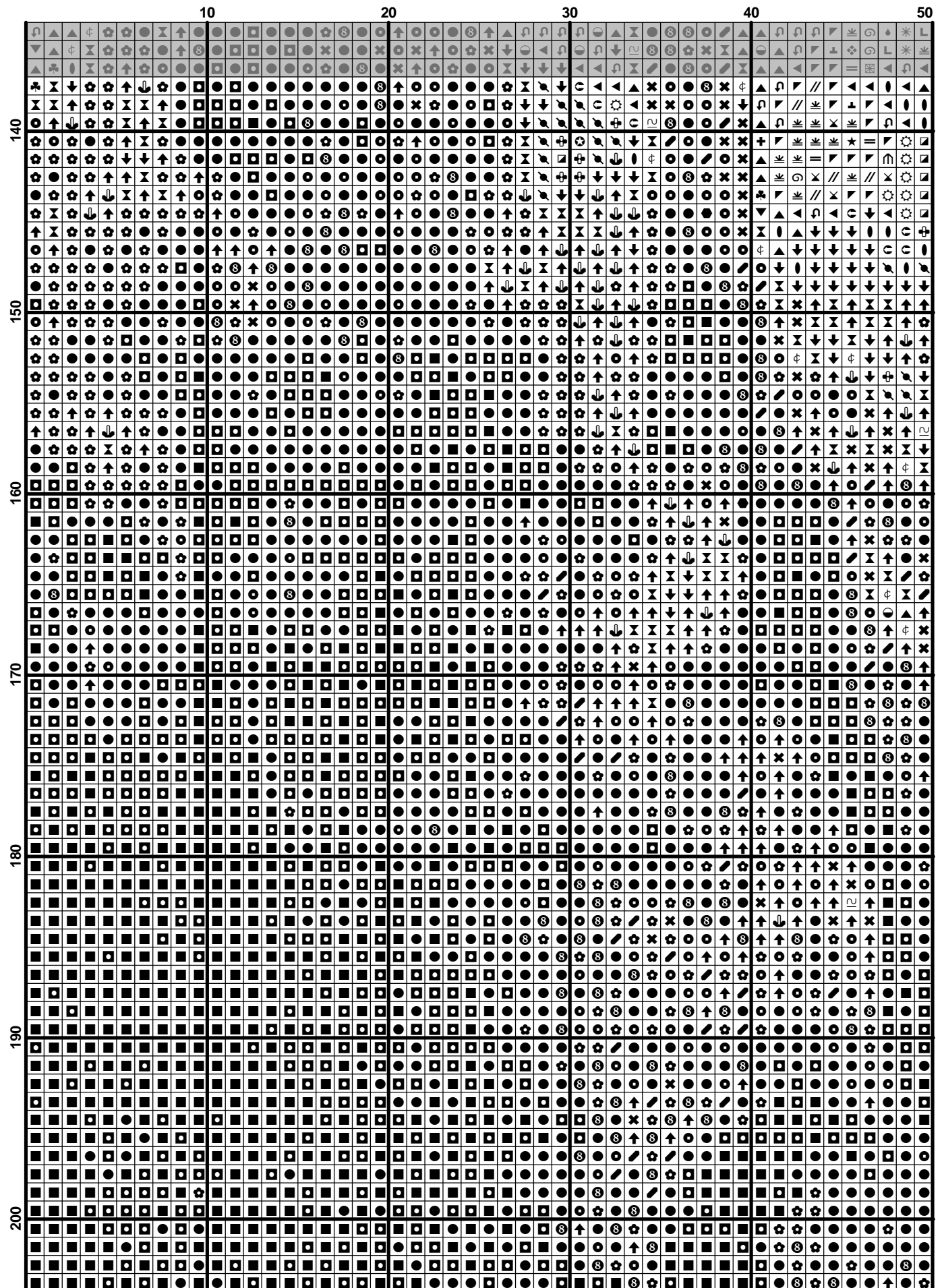
	240										250										260										270										280									
70	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		
80	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		
90	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		
100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		
110	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		
120	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		
130	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		

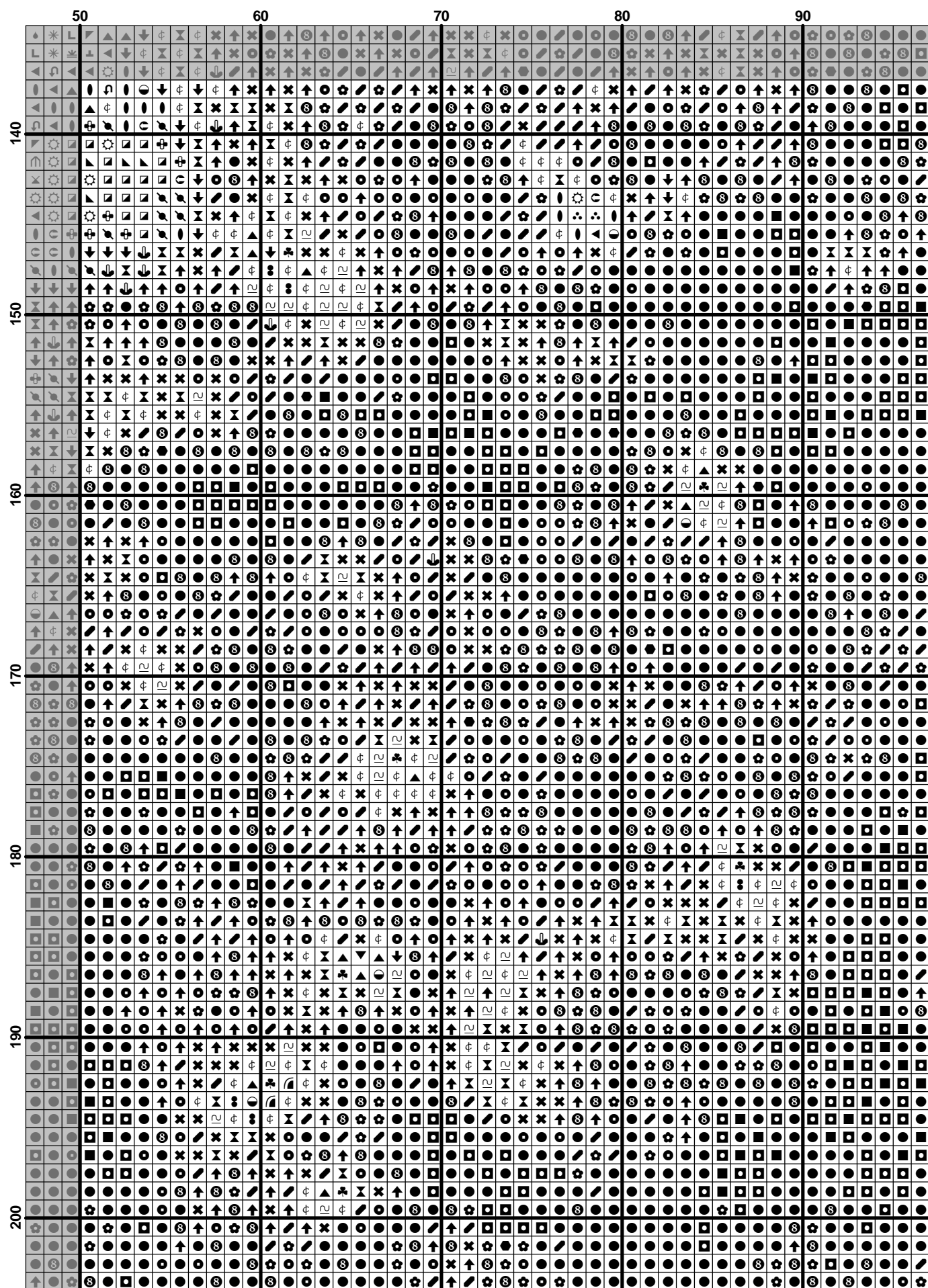


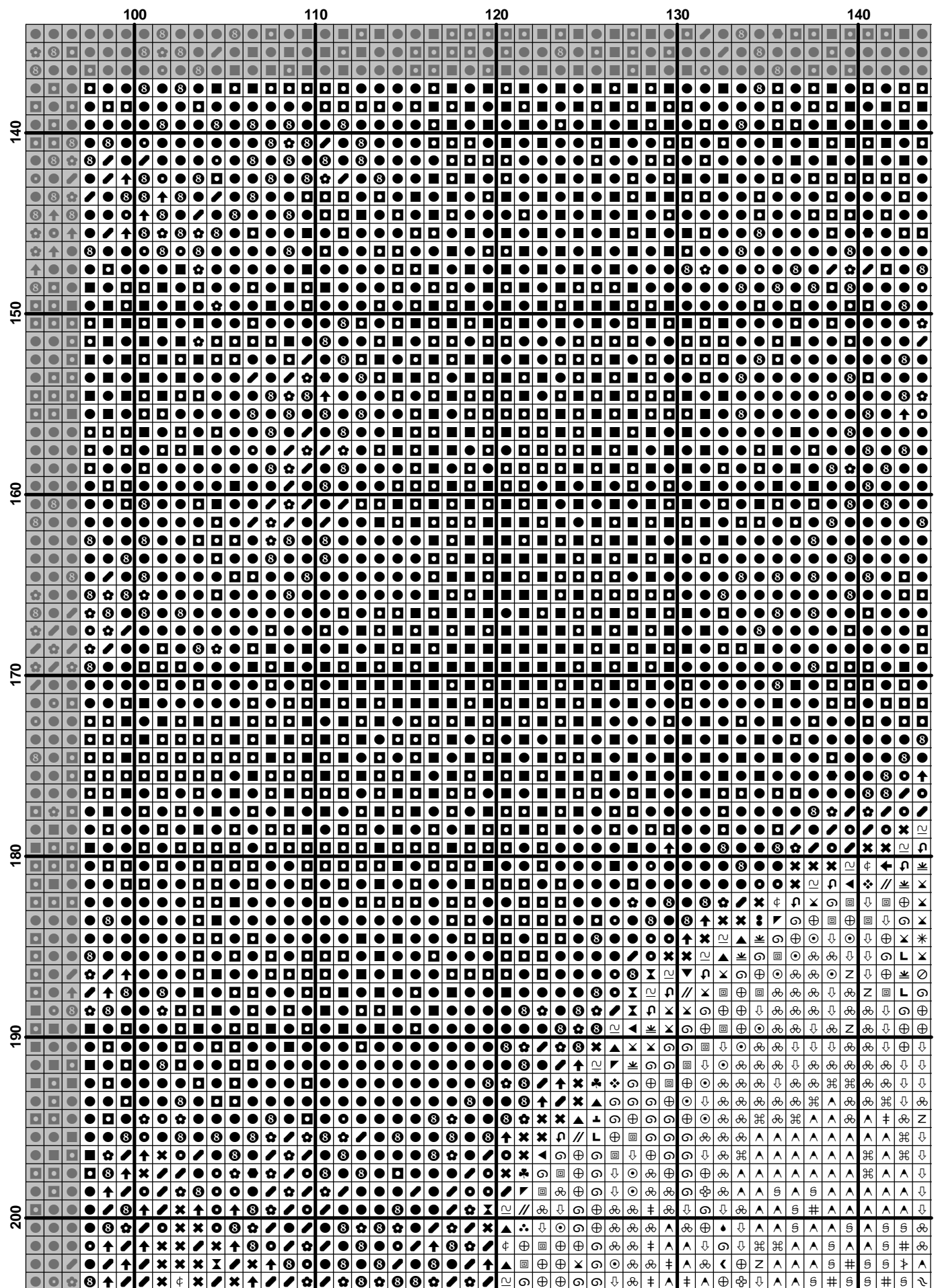












	150	160	170	180	190
140					
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170					
180					
190					
200					
210					
220					
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240					
250					
260					
270					
280					
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980					
990					
1000					

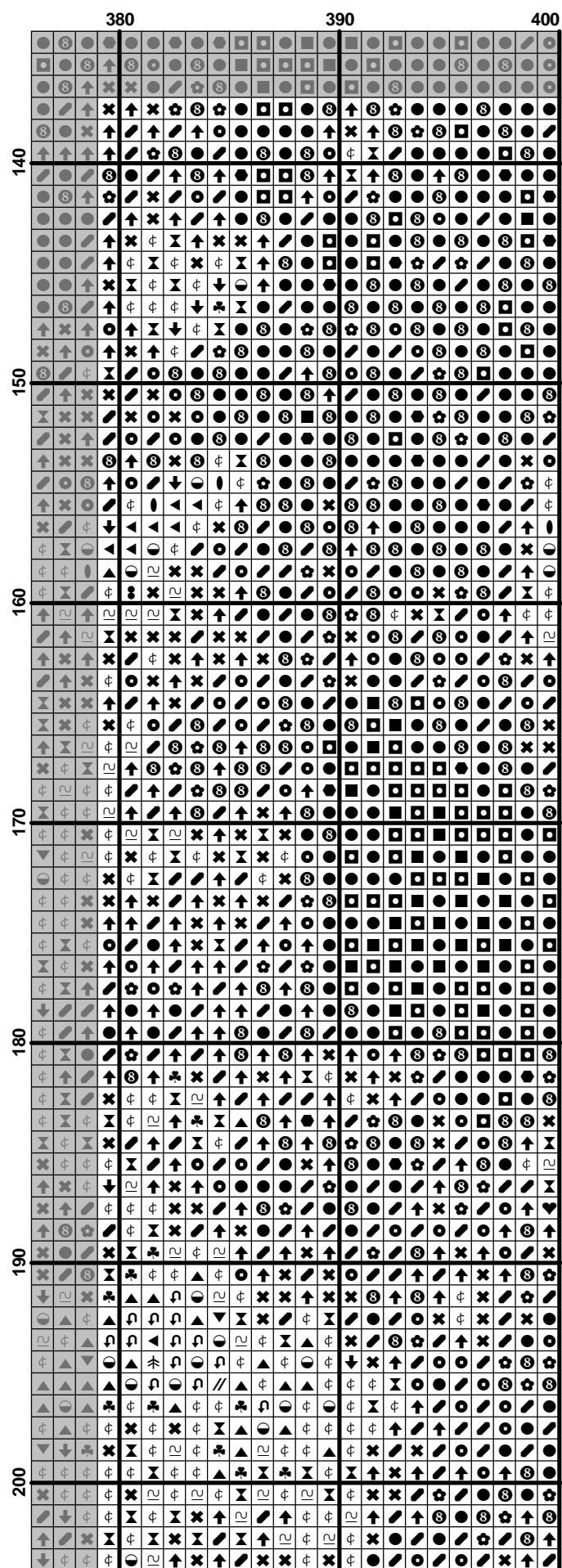
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140	...	...	...	...	...
150	...	...	...	...	...
160	...	...	...	...	...
170	...	...	...	...	...
180	...	...	...	...	...
190	...	...	...	...	...
200	...	...	...	...	...

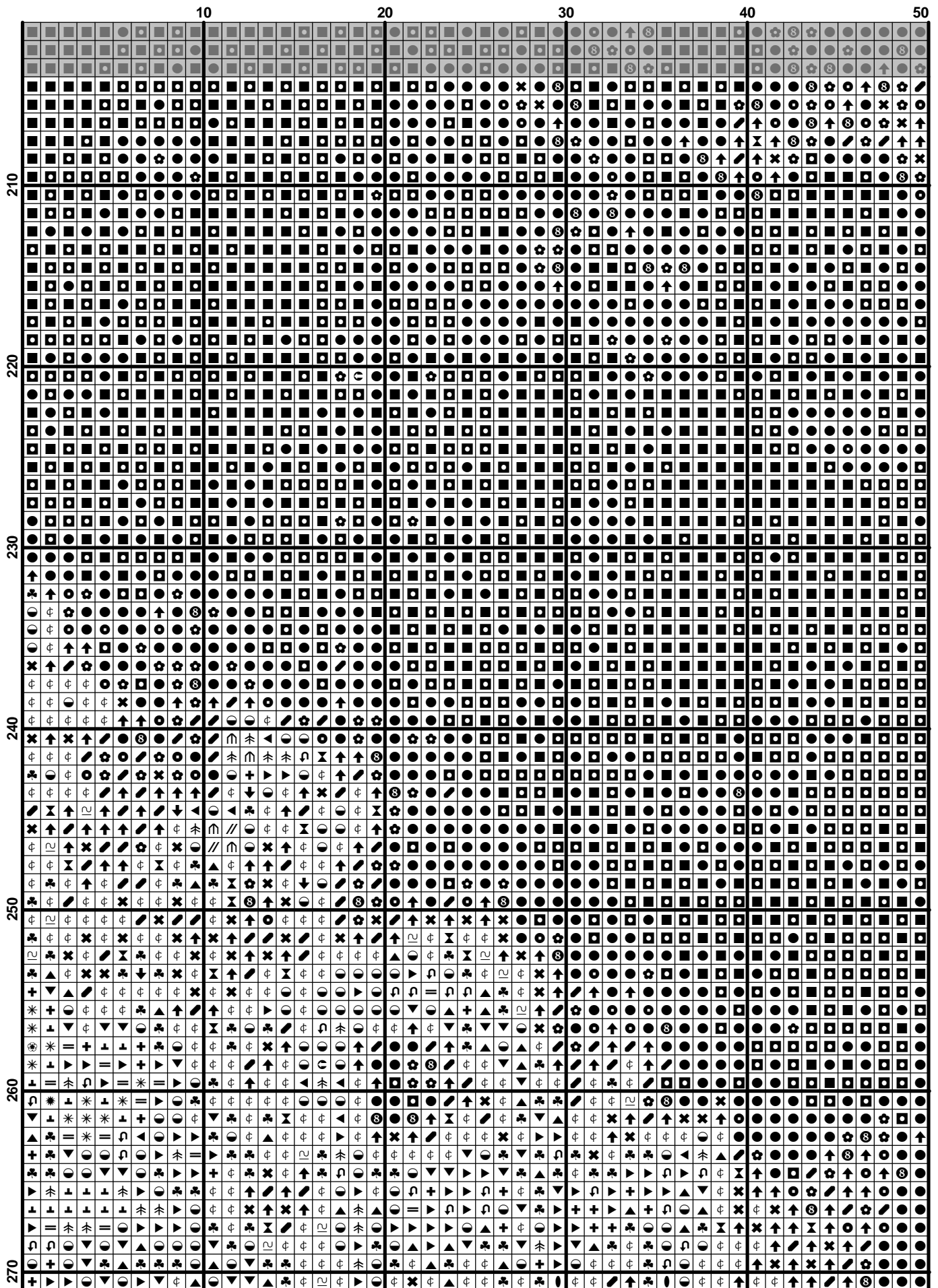


	240	250	260	270	280
140					
150					
160					
170					
180					
190					
200					

[illegible]

	330	340	350	360	370
140					
150					
160					
170					
180					
190					
200					





$$(38) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

$$(39) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

	150	160	170	180	190
210	...	...	...	...	...
220	...	...	...	...	...
230	...	...	...	...	...
240	...	...	...	...	...
250	...	...	...	...	...
260	...	...	...	...	...
270	...	...	...	...	...

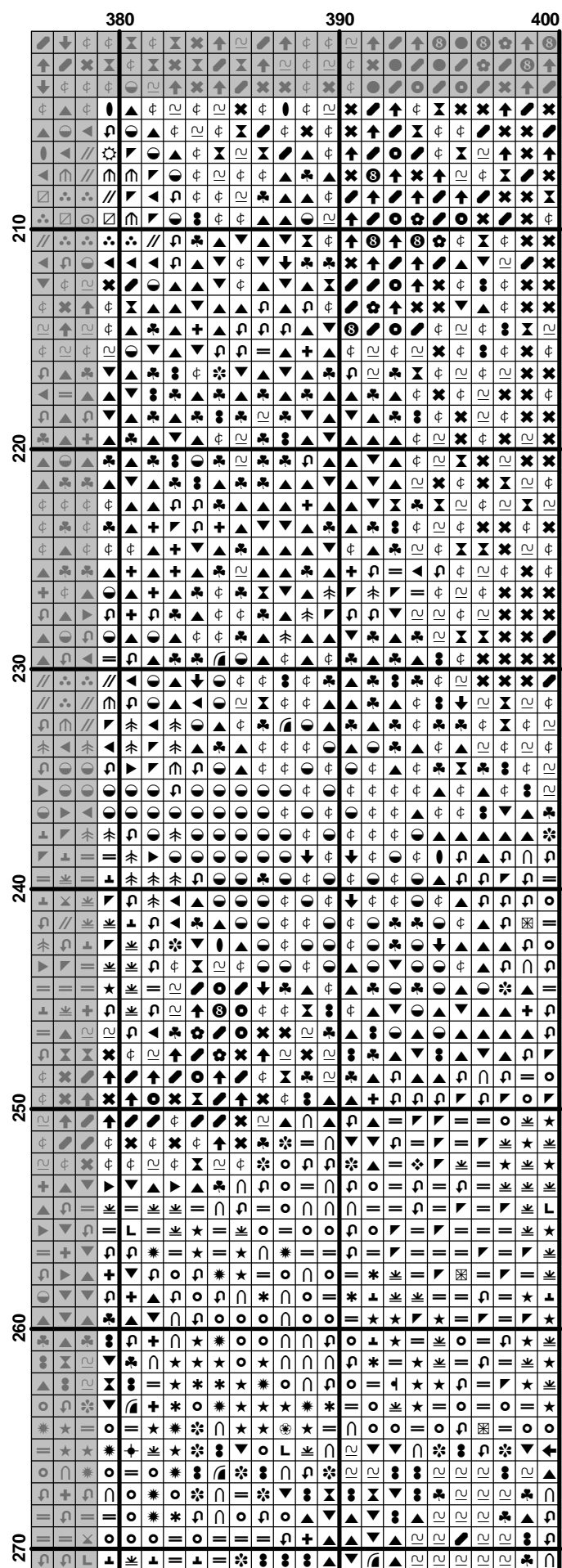


	190	200	210	220	230
210	L	⊗	⊗	⊗	⊗
220	⊗	⊗	⊗	⊗	⊗
230	⊗	⊗	⊗	⊗	⊗
240	⊗	⊗	⊗	⊗	⊗
250	⊗	⊗	⊗	⊗	⊗
260	⊗	⊗	⊗	⊗	⊗
270	⊗	⊗	⊗	⊗	⊗
280	⊗	⊗	⊗	⊗	⊗
290	⊗	⊗	⊗	⊗	⊗
300	⊗	⊗	⊗	⊗	⊗
310	⊗	⊗	⊗	⊗	⊗
320	⊗	⊗	⊗	⊗	⊗
330	⊗	⊗	⊗	⊗	⊗
340	⊗	⊗	⊗	⊗	⊗
350	⊗	⊗	⊗	⊗	⊗
360	⊗	⊗	⊗	⊗	⊗
370	⊗	⊗	⊗	⊗	⊗
380	⊗	⊗	⊗	⊗	⊗
390	⊗	⊗	⊗	⊗	⊗
400	⊗	⊗	⊗	⊗	⊗
410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

[illegible]

[illegible]

	340										350										360										370																			
210																																																		
220																																																		
230																																																		
240																																																		
250																																																		
260																																																		
270																																																		



[illegible]

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

[illegible]



[illegible]

	190	200	210	220	230
270	L	L	L	L	L
280	L	L	L	L	L
290	L	L	L	L	L
300	L	L	L	L	L
310	L	L	L	L	L
320	L	L	L	L	L
330	L	L	L	L	L

[illegible]

(53)



[illegible]

(56)

	50	60	70	80	90
340	...	...	...	...	...
350	...	...	...	...	...
360	...	...	...	...	...
370	...	...	...	...	...
380	...	...	...	...	...
390	...	...	...	...	...
400	...	...	...	...	...



	100	110	120	130	140
340	▲	▲	▲	▲	▲
341	▲	▲	▲	▲	▲
342	▲	▲	▲	▲	▲
343	▲	▲	▲	▲	▲
344	▲	▲	▲	▲	▲
345	▲	▲	▲	▲	▲
346	▲	▲	▲	▲	▲
347	▲	▲	▲	▲	▲
348	▲	▲	▲	▲	▲
349	▲	▲	▲	▲	▲
350	▲	▲	▲	▲	▲
351	▲	▲	▲	▲	▲
352	▲	▲	▲	▲	▲
353	▲	▲	▲	▲	▲
354	▲	▲	▲	▲	▲
355	▲	▲	▲	▲	▲
356	▲	▲	▲	▲	▲
357	▲	▲	▲	▲	▲
358	▲	▲	▲	▲	▲
359	▲	▲	▲	▲	▲
360	▲	▲	▲	▲	▲
361	▲	▲	▲	▲	▲
362	▲	▲	▲	▲	▲
363	▲	▲	▲	▲	▲
364	▲	▲	▲	▲	▲
365	▲	▲	▲	▲	▲
366	▲	▲	▲	▲	▲
367	▲	▲	▲	▲	▲
368	▲	▲	▲	▲	▲
369	▲	▲	▲	▲	▲
370	▲	▲	▲	▲	▲
371	▲	▲	▲	▲	▲
372	▲	▲	▲	▲	▲
373	▲	▲	▲	▲	▲
374	▲	▲	▲	▲	▲
375	▲	▲	▲	▲	▲
376	▲	▲	▲	▲	▲
377	▲	▲	▲	▲	▲
378	▲	▲	▲	▲	▲
379	▲	▲	▲	▲	▲
380	▲	▲	▲	▲	▲
381	▲	▲	▲	▲	▲
382	▲	▲	▲	▲	▲
383	▲	▲	▲	▲	▲
384	▲	▲	▲	▲	▲
385	▲	▲	▲	▲	▲
386	▲	▲	▲	▲	▲
387	▲	▲	▲	▲	▲
388	▲	▲	▲	▲	▲
389	▲	▲	▲	▲	▲
390	▲	▲	▲	▲	▲
391	▲	▲	▲	▲	▲
392	▲	▲	▲	▲	▲
393	▲	▲	▲	▲	▲
394	▲	▲	▲	▲	▲
395	▲	▲	▲	▲	▲
396	▲	▲	▲	▲	▲
397	▲	▲	▲	▲	▲
398	▲	▲	▲	▲	▲
399	▲	▲	▲	▲	▲
400	▲	▲	▲	▲	▲

(59)

	190	200	210	220	230
340	√	—	—	—	—
350	—	—	—	—	—
360	—	—	—	—	—
370	—	—	—	—	—
380	—	—	—	—	—
390	—	—	—	—	—
400	—	—	—	—	—

[illegible]

[illegible]

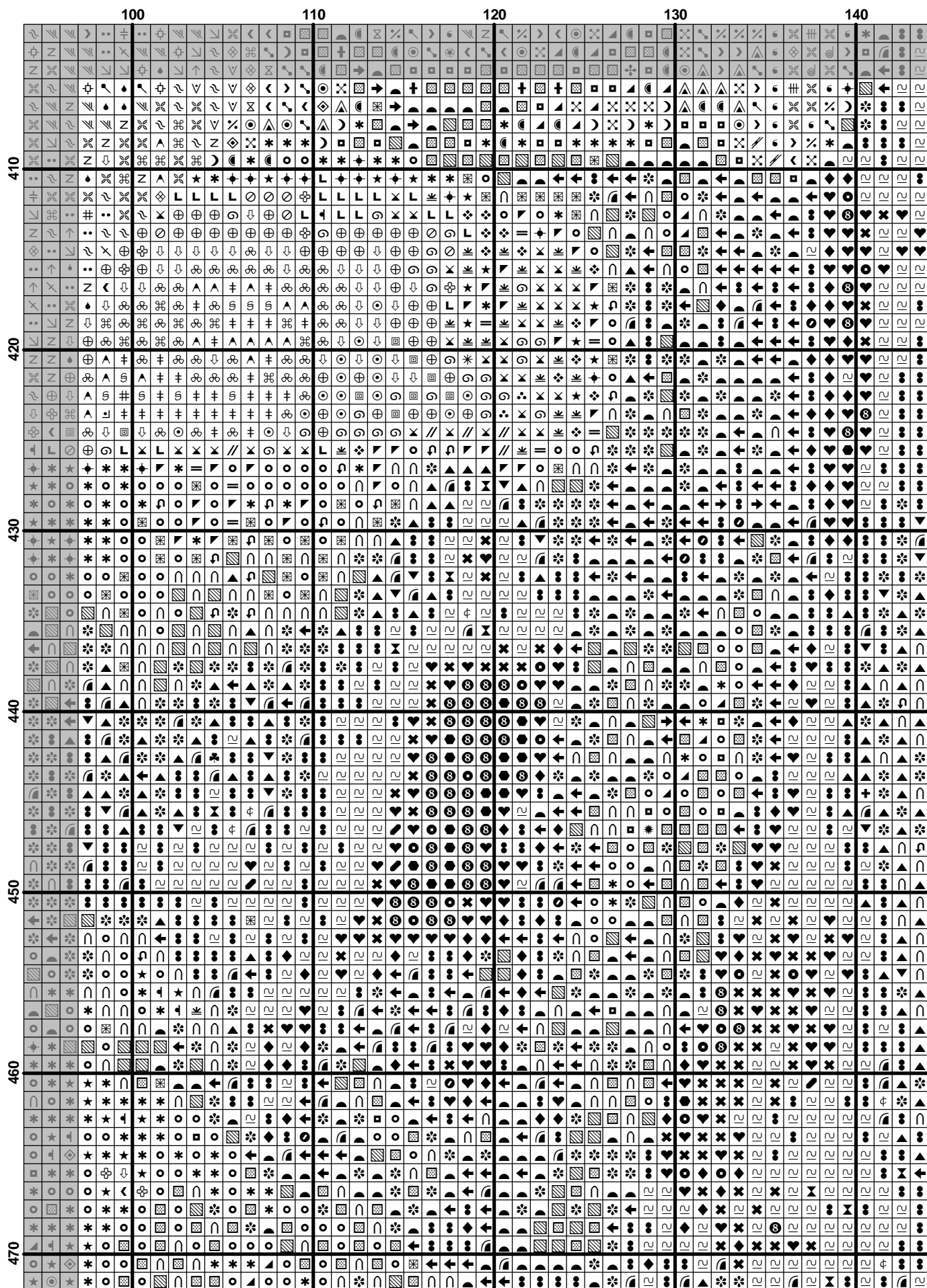
$$(62) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

(63)

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



$$(65) \quad \text{[The expression for } \mathcal{H}_1 \text{ is identical to (64).]} \quad (66)$$



$$(67) \quad \text{---} \quad (68)$$

[illegible]

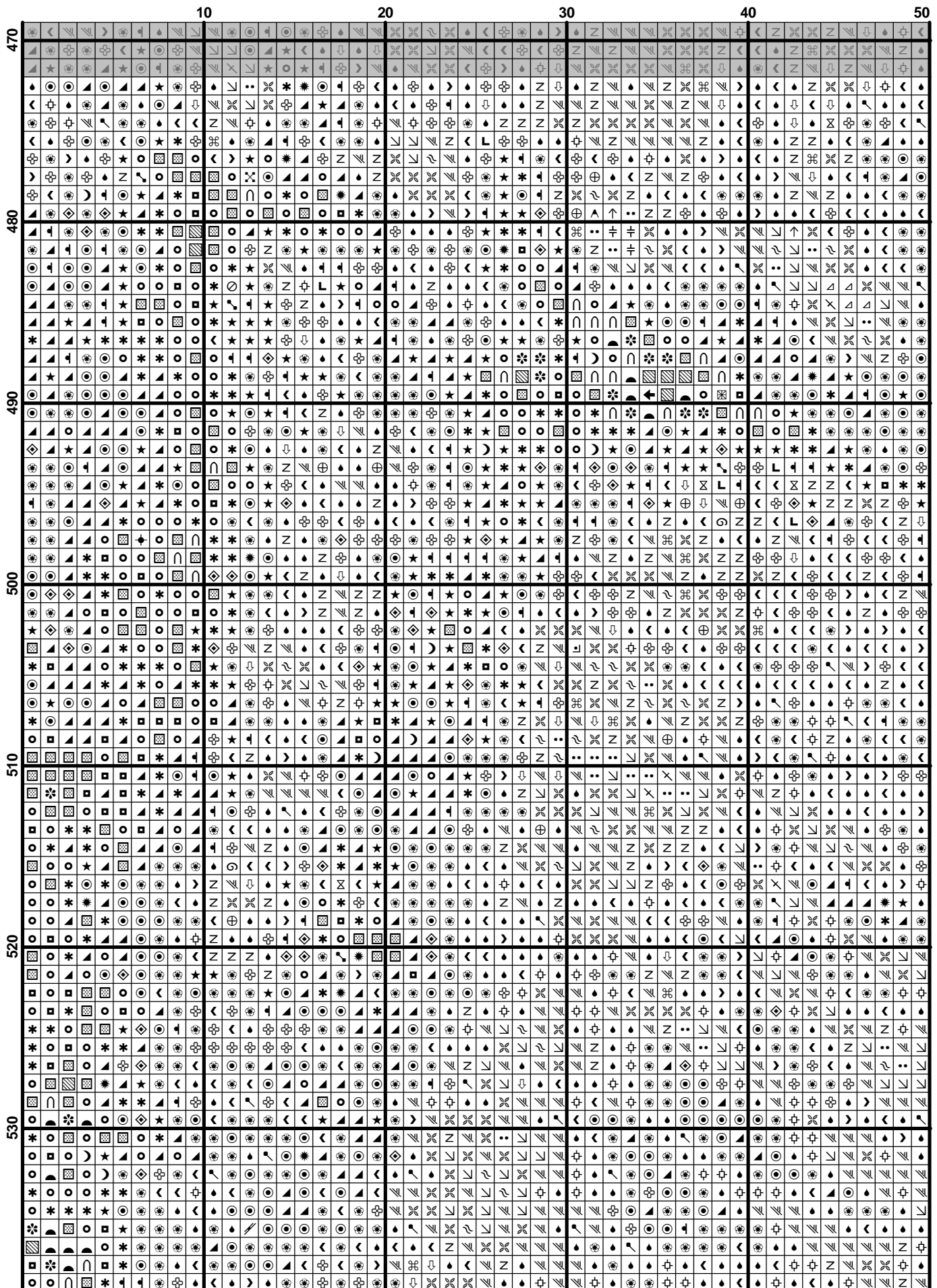
$$(69) \quad \begin{aligned} & \text{[The } \langle \text{N} \rangle \text{ is a } \langle \text{N} \rangle \text{]} \\ & \text{[The } \langle \text{N} \rangle \text{ is a } \langle \text{N} \rangle \text{]} \end{aligned} \quad (70)$$

(71)

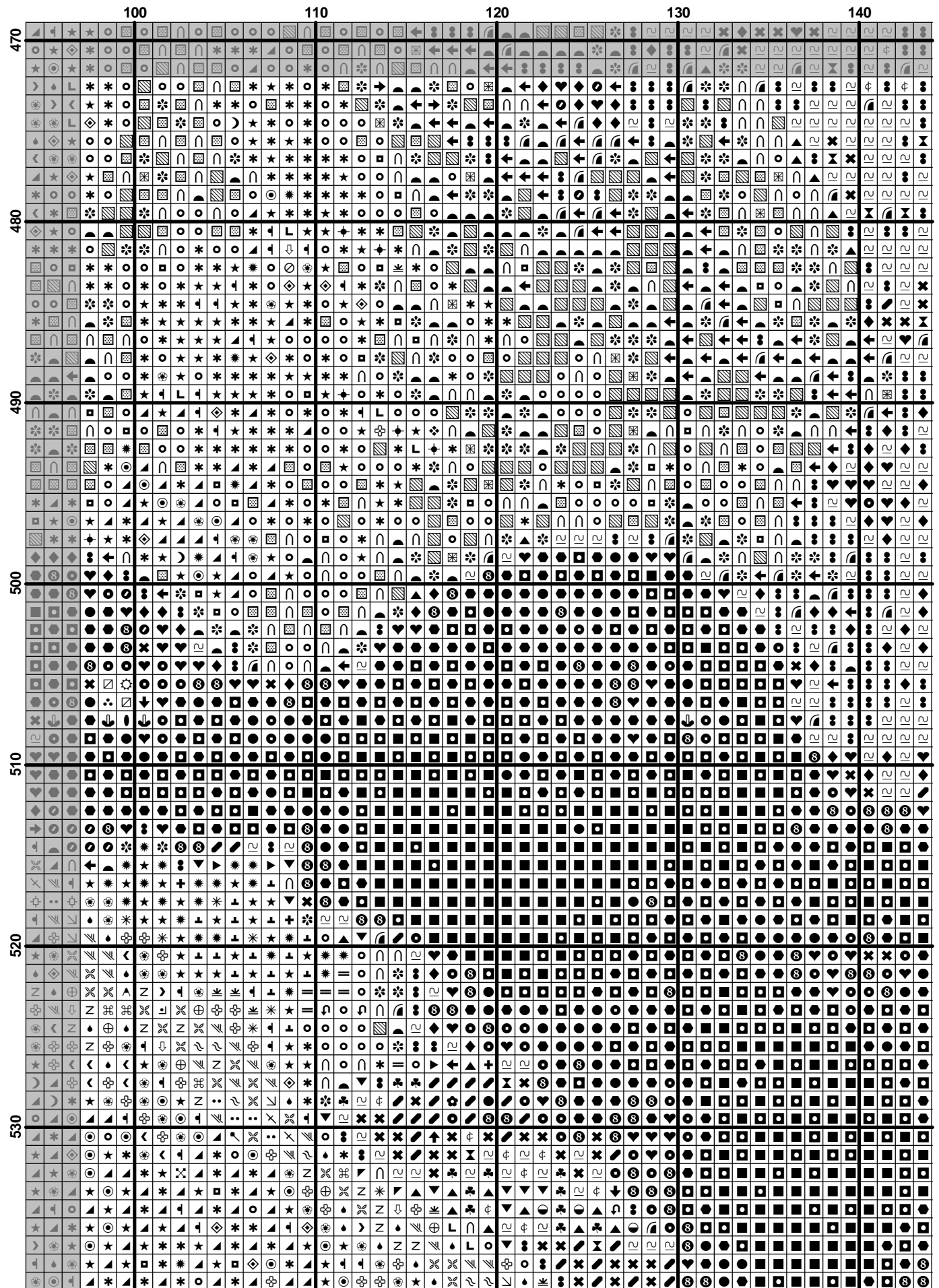
	330	340	350	360	370
410	...	...	...	...	...
420	...	...	...	...	...
430	...	...	...	...	...
440	...	...	...	...	...
450	...	...	...	...	...
460	...	...	...	...	...
470	...	...	...	...	...

(72)





	50	60	70	80	90
470					
480					
490					
500					
510					
520					
530					



$$(76) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

[illegible]

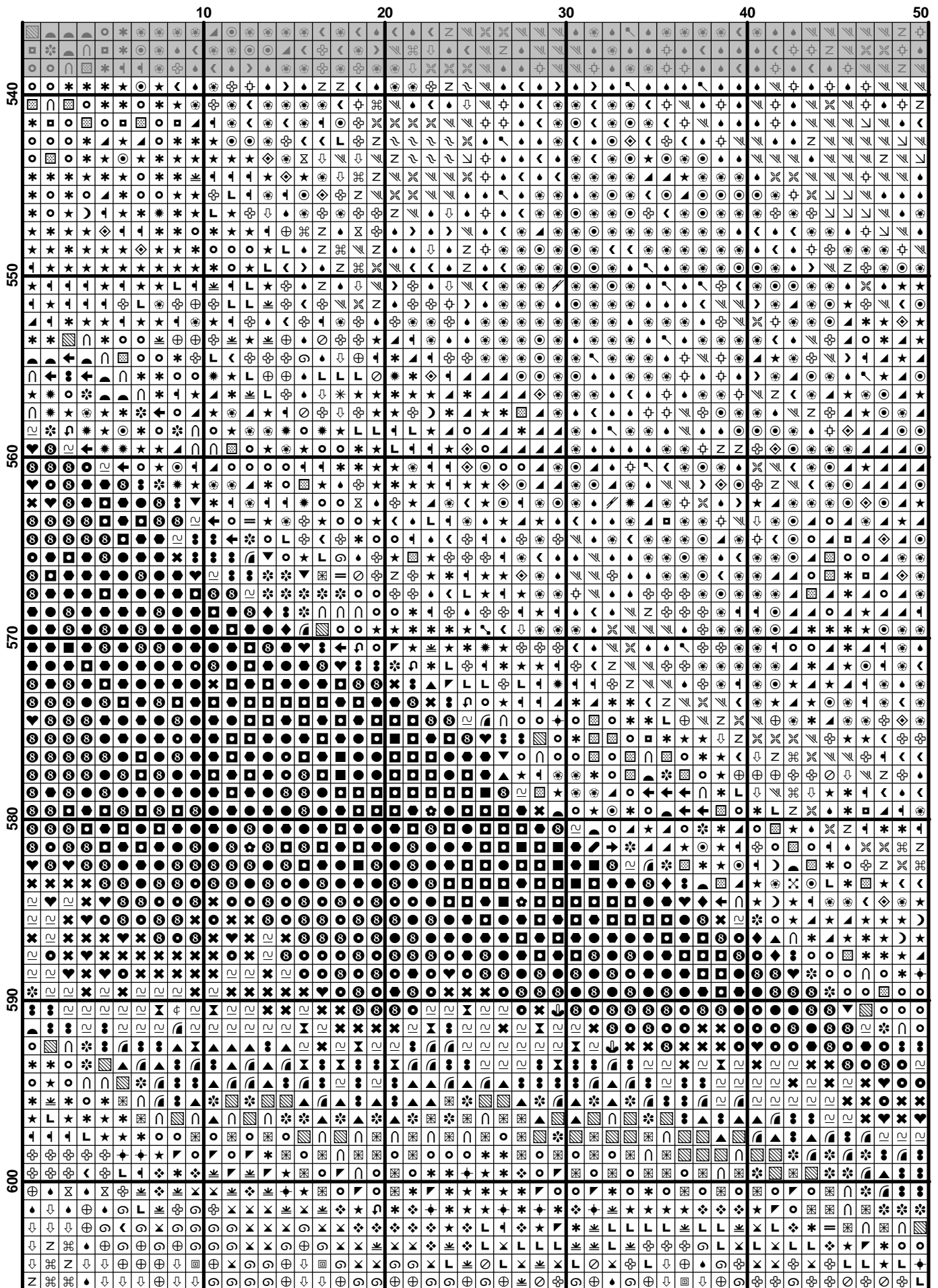
	240										250										260										270										280									
470	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
480	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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520	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
530	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350

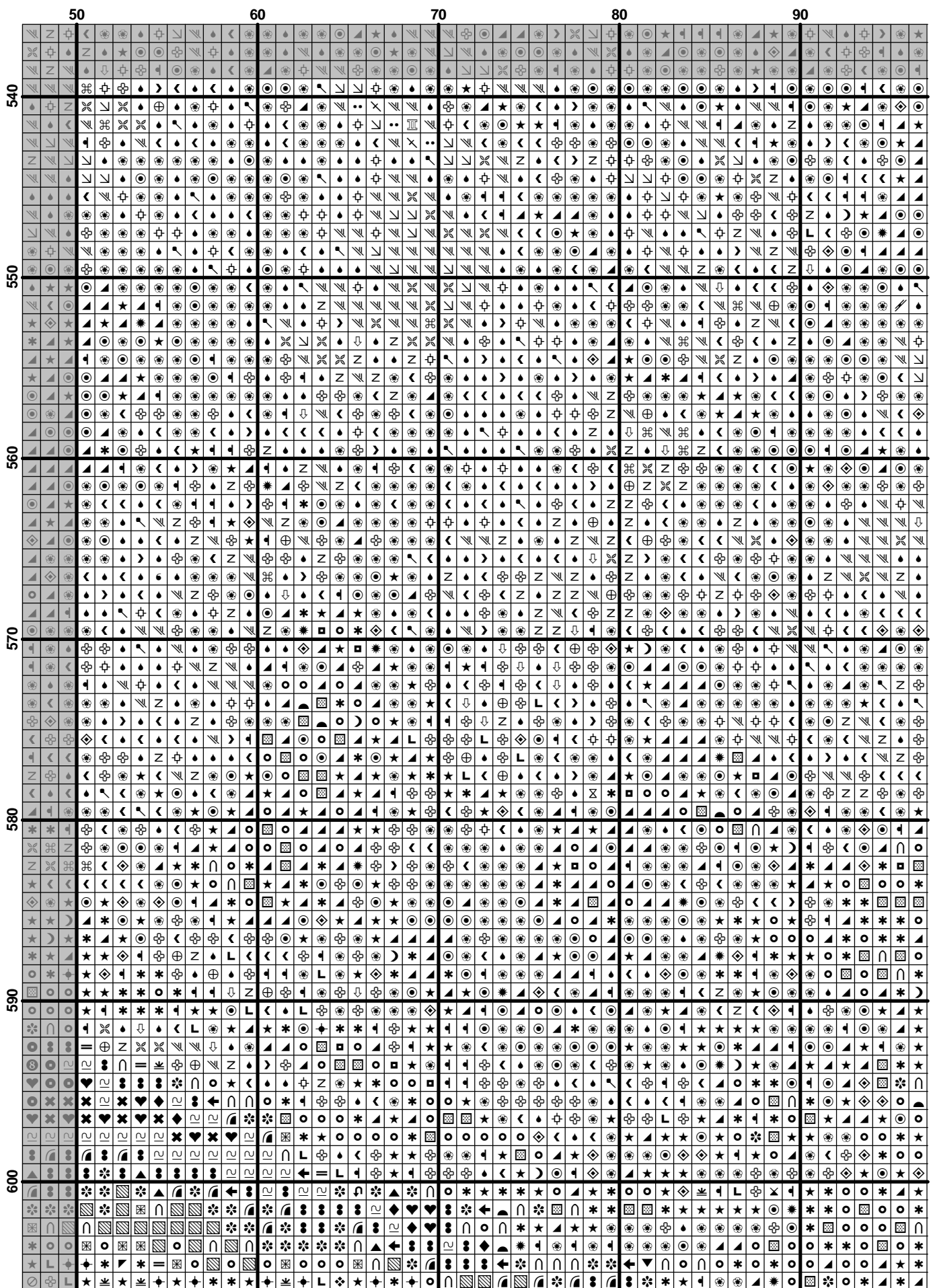
[illegible]

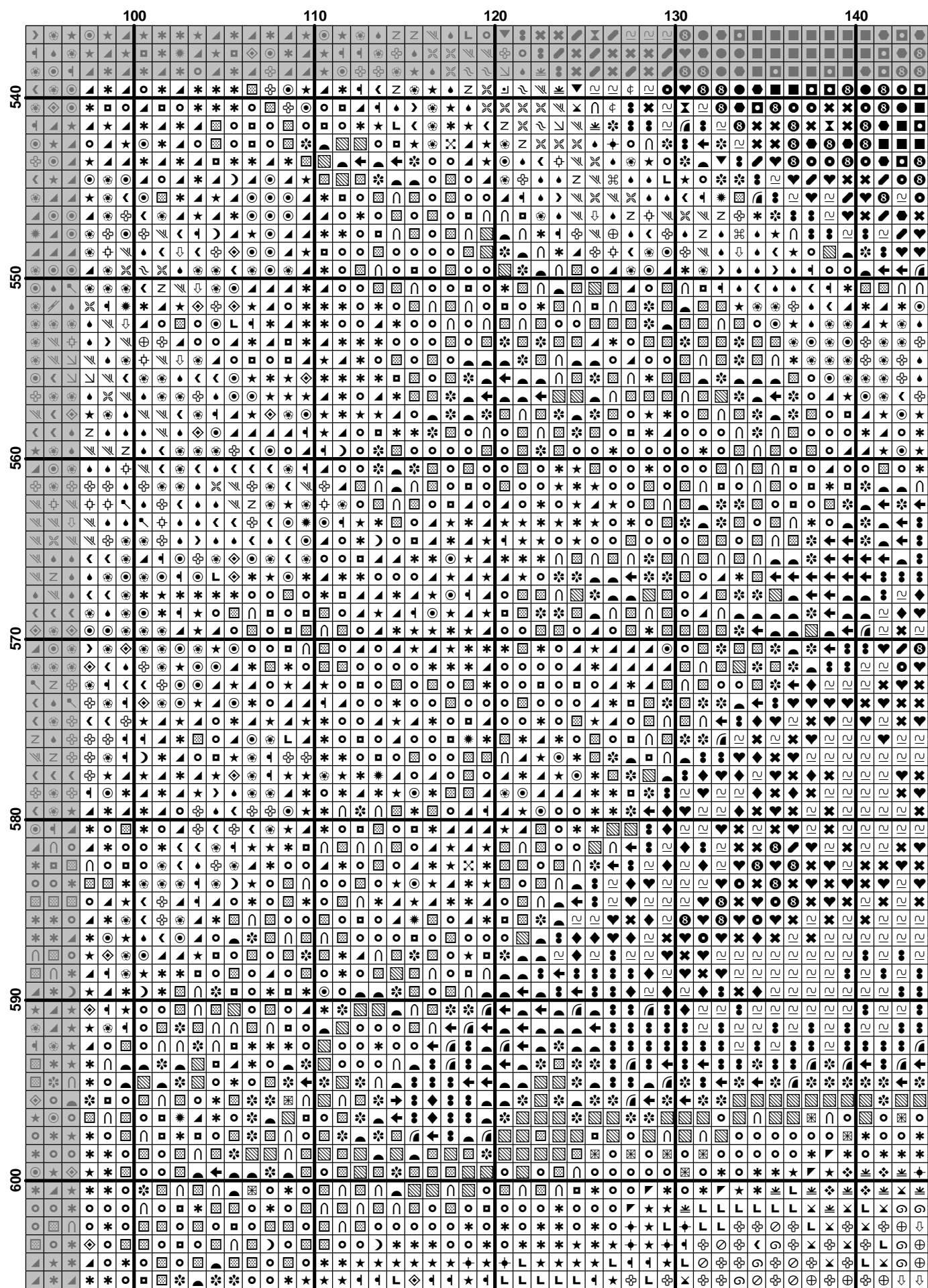
(81)

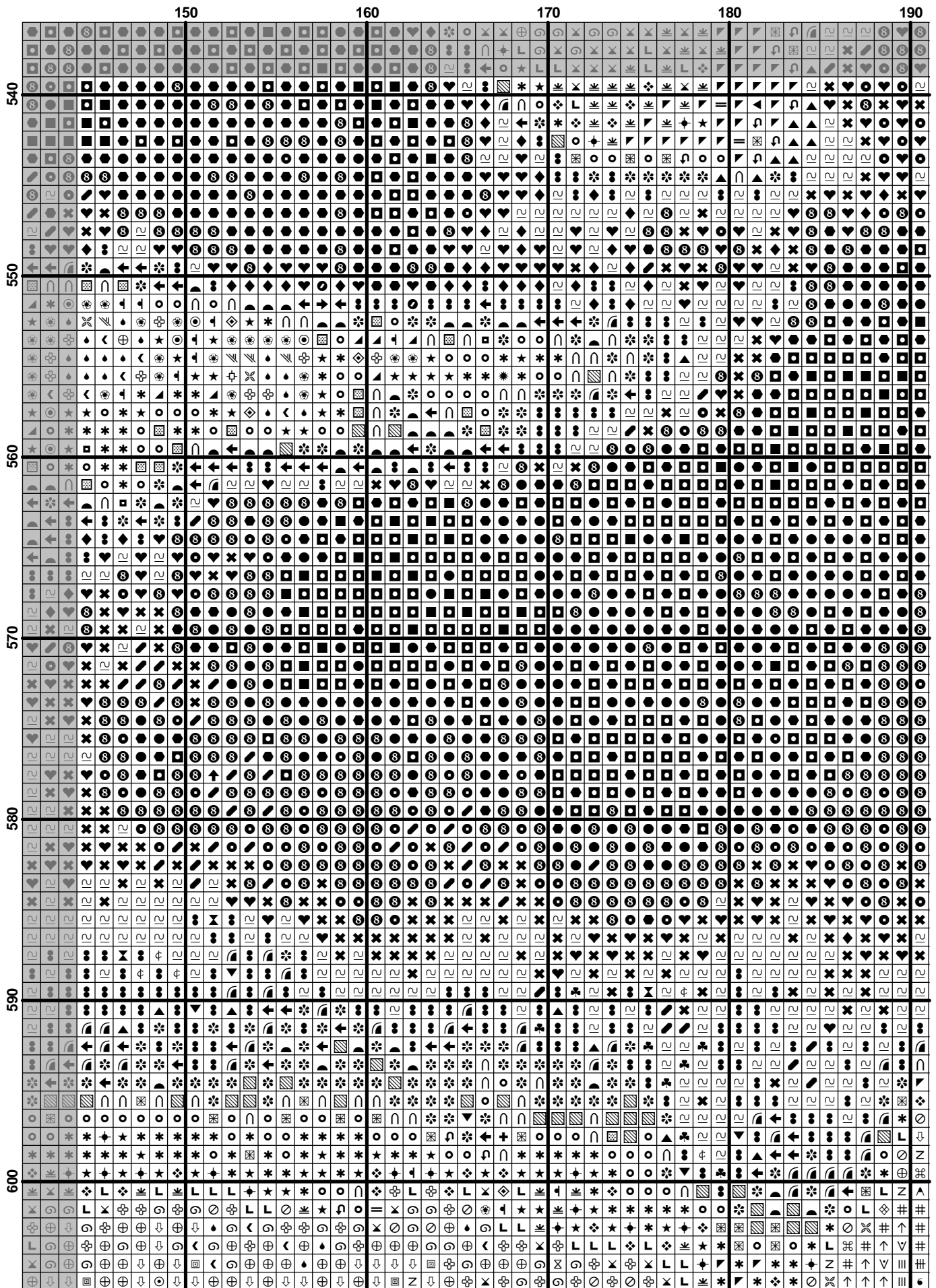


(81)







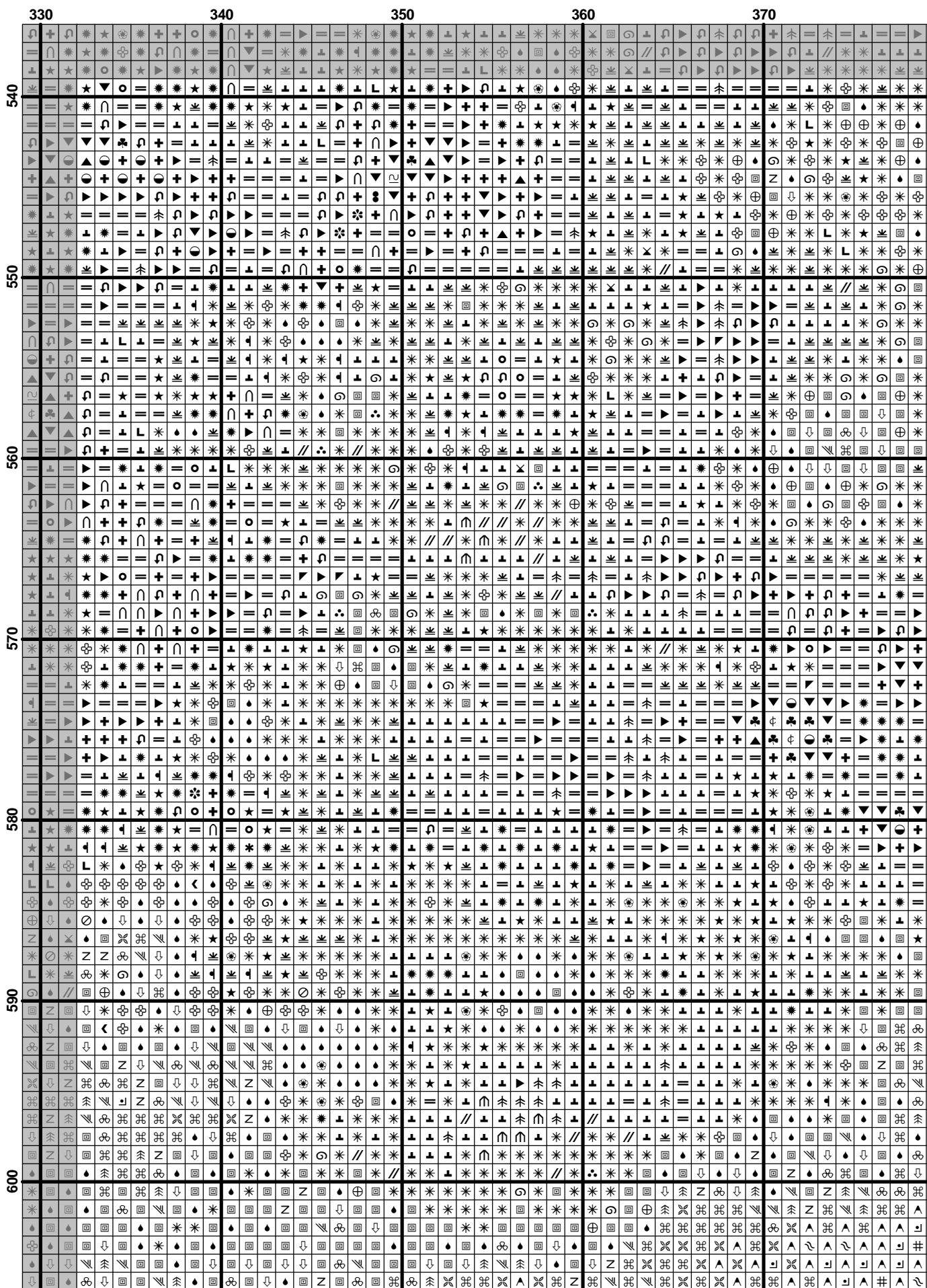


	190	200	210	220	230
540					
550					
560					
570					
580					
590					
600					

[illegible]

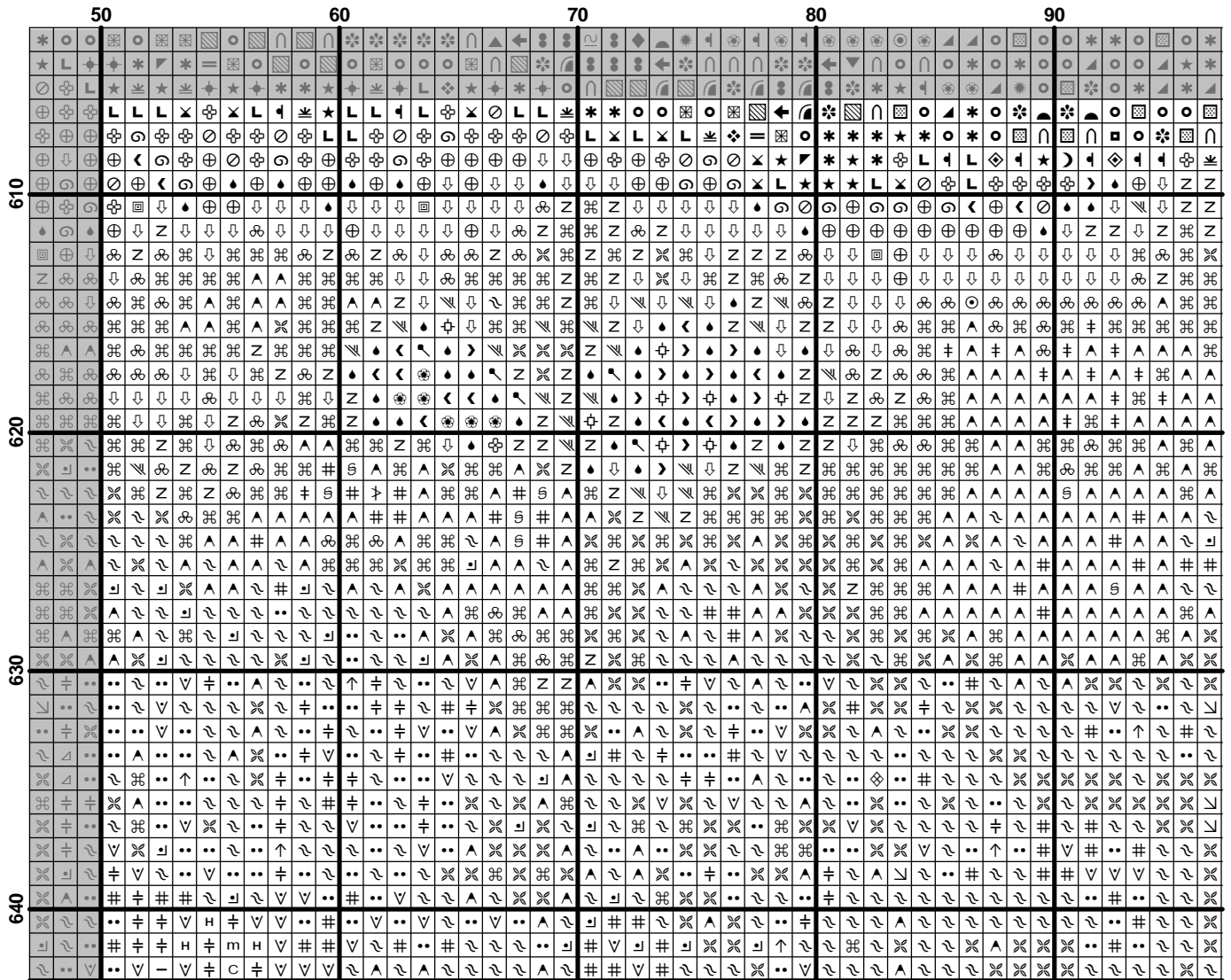
$$(88) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (89)$$





(90)

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]



[illegible]



[illegible]