

1171 Woman In White Holding Irises



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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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Woman In White Holding Irises

Stitch Count	
Horizontal:	440
Vertical:	624

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:	80	31.33	114	44.51	70	27.42	99	38.95	62	24.375	88	34.625
Including Margins:	96	38	130	51	86	34	115	45	78	31	104	41
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	112	43.86	159	62.31	93	36.55	133	51.92	46	18.27	66	25.96
Including Margins:	128	50	175	69	109	43	149	58	62	25	82	32
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	44	17.54	63	24.92	43	16.87	61	23.96	41	16.24	59	23.07
Including Margins:	60	24	79	31	59	23	77	30	57	23	75	30
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	40	15.66	57	22.25	37	14.62	53	20.77	35	13.7	49	19.47
Including Margins:	56	22	73	29	53	21	69	27	51	20	65	26

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
☉	300	Mahogany-VY DK
↑	319	Pistachio Green-VY DK
#	371	Mustard
*	420	Hazelnut Brown-DK
T	435	Brown-VY LT
::	436	Tan
≡	437	Tan-LT
•	445	Lemon-LT
≡≡	452	Shell Gray-MD
■	500	Blue Green-VY DK
▼	520	Fern Green-DK
×	522	Fern Green
⋈	523	Fern Green-LT
3	524	Fern Green-VY LT
¼	611	Drab Brown
⊞	613	Drab Brown-VY LT
▀	632	Desert Sand-UL VY DK
9	648	Beaver Gray-LT
↑	677	Old Gold-VY LT
:	725	Topaz
∅	732	Olive Green
⊞	734	Olive Green-LT
8	738	Tan-VY LT
<	739	Tan-UL VY LT
♡	754	Peach-LT
I	762	Pearl Gray-VY LT
⊞	783	Topaz-MD
▲	829	Golden Olive-VY DK
↻	832	Golden Olive
	833	Golden Olive-LT
/	834	Golden Olive-VY LT
+	839	Beige Brown-DK
▲	869	Hazelnut Brown-VY DK
⊞	919	Red Copper
☉	935	Avocado Green-DK

φ	937	Avocado Green-MD
●	938	Coffee Brown-UL DK
^	948	Peach-VY LT
=	950	Desert Sand-LT
☉	975	Golden Brown-DK
⊞	988	Forest Green-MD
✕	3012	Khaki Green-MD
✓	3013	Khaki Green-LT
●	3021	Brown Gray-VY DK
⊞	3022	Brown Gray-MD
·	3023	Brown Gray-LT
⇒	3024	Brown Gray-VY LT
⋈	3032	Mocha Brown-MD
⊞	3041	Antique Violet-MD
+	3045	Yellow Beige-DK
+	3052	Green Gray-MD
>	3072	Beaver Gray-VY LT
☉	3346	Hunter Green
⊞	3347	Yellow Green-MD
♠	3362	Pine Green-DK
♠	3363	Pine Green-MD
▲	3364	Pine Green
⊞	3726	Antique Mauve-DK
⊞	3740	Antique Violet-DK
◊	3756	Baby Blue-UL VY LT
▶	3768	Gray Green-DK
♠	3772	Desert Sand-VY DK
)	3774	Desert Sand-VY LT
7	3782	Mocha Brown-LT
♦	3787	Brown Gray-DK
♣	3802	Antique Mauve-VY DK
✕	3826	Golden Brown
↻	3829	Old Gold-VY DK
2	3836	Grape-LT
Y	3861	Cocoa-LT
u	3865	Winter White
~	Ecru	Ecru

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
×	420	Hazelnut Brown-DK	435	Brown-VY LT
↑	436	Tan	3828	Hazelnut Brown
☉	921	Copper	922	Copper-LT
○	922	Copper-LT	436	Tan
×	632	Desert Sand-UL VY DK	3772	Desert Sand-VY DK
⊞	371	Mustard	3772	Desert Sand-VY DK
■	730	Olive Green-VY DK	3362	Pine Green-DK
✕	3362	Pine Green-DK	3346	Hunter Green
▲	730	Olive Green-VY DK	3862	Mocha Beige-DK
⊞	3347	Yellow Green-MD	3862	Mocha Beige-DK
☉	829	Golden Olive-VY DK	3021	Brown Gray-VY DK

	937	Avocado Green-MD	3021	Brown Gray-VY DK
	905	Parrot Green-DK	937	Avocado Green-MD
	730	Olive Green-VY DK	3052	Green Gray-MD
	907	Parrot Green-LT	3012	Khaki Green-MD
	833	Golden Olive-LT	3364	Pine Green
	500	Blue Green-VY DK	935	Avocado Green-DK
	935	Avocado Green-DK	937	Avocado Green-MD
	3052	Green Gray-MD	829	Golden Olive-VY DK
	3012	Khaki Green-MD	420	Hazelnut Brown-DK
	734	Olive Green-LT	3045	Yellow Beige-DK
	3013	Khaki Green-LT	437	Tan-LT
	3362	Pine Green-DK	3862	Mocha Beige-DK
	3862	Mocha Beige-DK	839	Beige Brown-DK
	938	Coffee Brown-UL DK	829	Golden Olive-VY DK
	839	Beige Brown-DK	3052	Green Gray-MD
	371	Mustard	420	Hazelnut Brown-DK
	829	Golden Olive-VY DK	869	Hazelnut Brown-VY DK
	611	Drab Brown	730	Olive Green-VY DK
	905	Parrot Green-DK	3362	Pine Green-DK
	905	Parrot Green-DK	935	Avocado Green-DK
	730	Olive Green-VY DK	905	Parrot Green-DK
	734	Olive Green-LT	3820	Straw-DK
	680	Old Gold-DK	783	Topaz-MD
	730	Olive Green-VY DK	839	Beige Brown-DK
	3362	Pine Green-DK	3363	Pine Green-MD
	3787	Brown Gray-DK	839	Beige Brown-DK
	3052	Green Gray-MD	3363	Pine Green-MD
	645	Beaver Gray-VY DK	3363	Pine Green-MD
	520	Fern Green-DK	3021	Brown Gray-VY DK
	935	Avocado Green-DK	319	Pistachio Green-VY DK
	3021	Brown Gray-VY DK	935	Avocado Green-DK
	935	Avocado Green-DK	938	Coffee Brown-UL DK
	319	Pistachio Green-VY DK	500	Blue Green-VY DK
	3362	Pine Green-DK	3768	Gray Green-DK
	3362	Pine Green-DK	520	Fern Green-DK
	701	Christmas Green-LT	520	Fern Green-DK
	3362	Pine Green-DK	3052	Green Gray-MD
	3013	Khaki Green-LT	3032	Mocha Brown-MD
	3022	Brown Gray-MD	3772	Desert Sand-VY DK
	869	Hazelnut Brown-VY DK	3012	Khaki Green-MD
	3782	Mocha Brown-LT	738	Tan-VY LT
	905	Parrot Green-DK	319	Pistachio Green-VY DK
	300	Mahogany-VY DK	975	Golden Brown-DK
	829	Golden Olive-VY DK	300	Mahogany-VY DK
	300	Mahogany-VY DK	938	Coffee Brown-UL DK
	3021	Brown Gray-VY DK	938	Coffee Brown-UL DK
	500	Blue Green-VY DK	938	Coffee Brown-UL DK
	420	Hazelnut Brown-DK	780	Topaz-UL VY DK
	829	Golden Olive-VY DK	632	Desert Sand-UL VY DK
	780	Topaz-UL VY DK	919	Red Copper
	780	Topaz-UL VY DK	975	Golden Brown-DK
	738	Tan-VY LT	3064	Desert Sand
	948	Peach-VY LT	754	Peach-LT
	754	Peach-LT	758	Terra Cotta-VY LT
	3782	Mocha Brown-LT	3064	Desert Sand
	754	Peach-LT	613	Drab Brown-VY LT
	738	Tan-VY LT	758	Terra Cotta-VY LT
	435	Brown-VY LT	436	Tan
	3721	Shell Pink-DK	435	Brown-VY LT

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?	758	Terra Cotta-VY LT	436	Tan
⌚	420	Hazelnut Brown-DK	3721	Shell Pink-DK
⊗	300	Mahogany-VY DK	632	Desert Sand-UL VY DK
➔	3021	Brown Gray-VY DK	300	Mahogany-VY DK
∪	3782	Mocha Brown-LT	224	Shell Pink-VY LT
✕	938	Coffee Brown-UL DK	3802	Antique Mauve-VY DK
✦	921	Copper	919	Red Copper
⊖	223	Shell Pink-LT	371	Mustard
✚	839	Beige Brown-DK	3860	Cocoa
▲	632	Desert Sand-UL VY DK	420	Hazelnut Brown-DK
⬆	839	Beige Brown-DK	3802	Antique Mauve-VY DK
∨	369	Pistachio Green-VY LT	613	Drab Brown-VY LT
III	3012	Khaki Green-MD	3364	Pine Green
e	966	Baby Green-MD	524	Fern Green-VY LT
◎	905	Parrot Green-DK	317	Pewter Gray
◀	3802	Antique Mauve-VY DK	3862	Mocha Beige-DK
н	3023	Brown Gray-LT	3861	Cocoa-LT
◀	3052	Green Gray-MD	3860	Cocoa
☐	3022	Brown Gray-MD	3860	Cocoa
II	3022	Brown Gray-MD	3032	Mocha Brown-MD
o	ecru	Ecrú	762	Pearl Gray-VY LT
∞	819	Baby Pink-LT	762	Pearl Gray-VY LT
«	3756	Baby Blue-UL VY LT	3865	Winter White
✧	950	Desert Sand-LT	3072	Beaver Gray-VY LT
□	948	Peach-VY LT	3072	Beaver Gray-VY LT
■	611	Drab Brown	3772	Desert Sand-VY DK
6	778	Antique Mauve-VY LT	3024	Brown Gray-VY LT
⚓	3753	Antique Blue-UL VY LT	415	Pearl Gray
☆	3817	Celadon Green-LT	452	Shell Gray-MD
//	3860	Cocoa	3862	Mocha Beige-DK
1	819	Baby Pink-LT	3865	Winter White
n	3756	Baby Blue-UL VY LT	819	Baby Pink-LT
a	415	Pearl Gray	648	Beaver Gray-LT
т	ecru	Ecrú	369	Pistachio Green-VY LT
▷	738	Tan-VY LT	677	Old Gold-VY LT
L	445	Lemon-LT	738	Tan-VY LT
✿	3802	Antique Mauve-VY DK	3740	Antique Violet-DK
m	3013	Khaki Green-LT	3064	Desert Sand
✓	3032	Mocha Brown-MD	3064	Desert Sand
⚓	680	Old Gold-DK	780	Topaz-UL VY DK
↔	224	Shell Pink-VY LT	613	Drab Brown-VY LT
⊕	3829	Old Gold-VY DK	780	Topaz-UL VY DK
+	613	Drab Brown-VY LT	738	Tan-VY LT
4	613	Drab Brown-VY LT	524	Fern Green-VY LT
❖	732	Olive Green	869	Hazelnut Brown-VY DK
o	869	Hazelnut Brown-VY DK	730	Olive Green-VY DK
◊	732	Olive Green	780	Topaz-UL VY DK
☾	732	Olive Green	975	Golden Brown-DK
∅	524	Fern Green-VY LT	369	Pistachio Green-VY LT
(ecru	Ecrú	3072	Beaver Gray-VY LT
^	3022	Brown Gray-MD	3052	Green Gray-MD
◊	832	Golden Olive	833	Golden Olive-LT
⌘	451	Shell Gray-DK	223	Shell Pink-LT
z	3022	Brown Gray-MD	3726	Antique Mauve-DK
■	3740	Antique Violet-DK	3768	Gray Green-DK
≡	3032	Mocha Brown-MD	3363	Pine Green-MD
›	3012	Khaki Green-MD	3860	Cocoa
€	921	Copper	435	Brown-VY LT

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

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		14		16		18	
223	Shell Pink-LT	131	51	125	49	112	44
224	Shell Pink-VY LT	63	24	60	23	54	21
300	Mahogany-VY DK	852	335	812	319	730	287
317	Pewter Gray	107	42	102	40	92	36
319	Pistachio Green-VY DK	1115	438	1062	418	956	376
369	Pistachio Green-VY LT	1006	396	958	377	862	339
371	Mustard	1506	592	1434	564	1291	508
415	Pearl Gray	244	96	233	91	209	82
420	Hazelnut Brown-DK	1004	395	956	376	860	338
435	Brown-VY LT	171	67	163	64	147	57
436	Tan	201	79	192	75	172	67
437	Tan-LT	329	129	313	123	282	111
445	Lemon-LT	79	31	75	29	67	26
451	Shell Gray-DK	43	16	41	16	37	14
452	Shell Gray-MD	323	127	308	121	277	109
500	Blue Green-VY DK	7103	2796	6765	2663	6088	2396
520	Fern Green-DK	1216	478	1158	455	1042	410
522	Fern Green	454	178	433	170	389	153
523	Fern Green-LT	1481	583	1410	555	1269	499
524	Fern Green-VY LT	2241	882	2134	840	1921	756
611	Drab Brown	788	310	751	295	676	266
613	Drab Brown-VY LT	1112	437	1059	416	953	375
632	Desert Sand-UL VY DK	486	191	463	182	416	163
645	Beaver Gray-VY DK	217	85	207	81	186	73
648	Beaver Gray-LT	991	390	944	371	849	334
677	Old Gold-VY LT	120	47	114	44	103	40
680	Old Gold-DK	84	33	80	31	72	28
701	Christmas Green-LT	47	18	45	17	40	15
725	Topaz	7	2	6	2	6	2
730	Olive Green-VY DK	2090	822	1990	783	1791	705
732	Olive Green	639	251	609	239	548	215
734	Olive Green-LT	313	123	298	117	268	105
738	Tan-VY LT	875	344	833	327	750	295
739	Tan-UL VY LT	84	33	80	31	72	28
754	Peach-LT	204	80	194	76	174	68
758	Terra Cotta-VY LT	129	50	122	48	110	43
762	Pearl Gray-VY LT	740	291	705	277	634	249
778	Antique Mauve-VY LT	72	28	68	26	61	24
780	Topaz-UL VY DK	387	152	369	145	332	130
783	Topaz-MD	98	38	93	36	84	33
819	Baby Pink-LT	480	188	457	179	411	161
829	Golden Olive-VY DK	1632	642	1554	611	1398	550
832	Golden Olive	298	117	283	111	255	100
833	Golden Olive-LT	512	201	487	191	439	172
834	Golden Olive-VY LT	133	52	127	50	114	44
839	Beige Brown-DK	1161	457	1106	435	995	391
869	Hazelnut Brown-VY DK	1277	502	1216	478	1094	430
905	Parrot Green-DK	514	202	490	192	441	173
907	Parrot Green-LT	54	21	51	20	46	18
919	Red Copper	45	17	43	16	39	15
921	Copper	17	6	16	6	15	5
922	Copper-LT	17	6	16	6	15	5
935	Avocado Green-DK	5366	2112	5111	2012	4599	1810
937	Avocado Green-MD	1364	537	1299	511	1169	460

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938	Coffee Brown-UL DK	2817	1109	2683	1056	2415	950
948	Peach-VY LT	251	98	239	94	215	84
950	Desert Sand-LT	137	53	130	51	117	46
966	Baby Green-MD	221	87	211	83	190	74
975	Golden Brown-DK	505	198	481	189	433	170
988	Forest Green-MD	72	28	69	27	62	24
3012	Khaki Green-MD	2620	1031	2495	982	2246	884
3013	Khaki Green-LT	2147	845	2045	805	1840	724
3021	Brown Gray-VY DK	1916	754	1825	718	1642	646
3022	Brown Gray-MD	1105	435	1052	414	947	372
3023	Brown Gray-LT	717	282	683	268	614	241
3024	Brown Gray-VY LT	1240	488	1181	464	1063	418
3032	Mocha Brown-MD	2098	825	1998	786	1798	707
3041	Antique Violet-MD	50	19	48	18	43	16
3045	Yellow Beige-DK	396	155	377	148	339	133
3052	Green Gray-MD	2258	888	2151	846	1936	762
3064	Desert Sand	264	103	251	98	226	88
3072	Beaver Gray-VY LT	1378	542	1312	516	1181	464
3346	Hunter Green	484	190	461	181	415	163
3347	Yellow Green-MD	743	292	708	278	637	250
3362	Pine Green-DK	2156	848	2053	808	1848	727
3363	Pine Green-MD	846	333	805	316	725	285
3364	Pine Green	2236	880	2129	838	1916	754
3721	Shell Pink-DK	30	11	29	11	26	10
3726	Antique Mauve-DK	103	40	98	38	89	35
3740	Antique Violet-DK	153	60	146	57	131	51
3753	Antique Blue-UL VY LT	40	15	38	14	34	13
3756	Baby Blue-UL VY LT	742	292	706	277	636	250
3768	Gray Green-DK	172	67	164	64	147	57
3772	Desert Sand-VY DK	681	268	649	255	584	229
3774	Desert Sand-VY LT	125	49	119	46	107	42
3782	Mocha Brown-LT	579	227	552	217	497	195
3787	Brown Gray-DK	463	182	441	173	397	156
3802	Antique Mauve-VY DK	301	118	287	112	258	101
3817	Celadon Green-LT	141	55	134	52	121	47
3820	Straw-DK	62	24	59	23	53	20
3826	Golden Brown	28	11	27	10	24	9
3828	Hazelnut Brown	45	17	43	16	39	15
3829	Old Gold-VY DK	256	100	244	96	219	86
3836	Grape-LT	36	14	34	13	30	11
3860	Cocoa	756	297	720	283	648	255
3861	Cocoa-LT	405	159	386	151	347	136
3862	Mocha Beige-DK	1749	688	1666	655	1499	590
3865	Winter White	515	202	491	193	442	174
ecru	Ecru	1379	542	1313	516	1182	465

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
223	Shell Pink-LT	202	79	168	66	84	33
224	Shell Pink-VY LT	97	38	81	32	41	16
300	Mahogany-VY DK	1314	517	1095	431	548	215
317	Pewter Gray	166	65	138	54	69	27
319	Pistachio Green-VY DK	1721	677	1434	564	717	282
369	Pistachio Green-VY LT	1552	610	1293	509	647	254
371	Mustard	2324	914	1937	762	968	381

415	Pearl Gray	376	148	314	123	157	62
420	Hazelnut Brown-DK	1548	608	1290	507	645	254
435	Brown-VY LT	265	103	221	86	110	43
436	Tan	310	121	258	101	129	50
437	Tan-LT	508	200	423	167	212	83
445	Lemon-LT	121	47	101	39	50	20
451	Shell Gray-DK	67	25	56	21	28	11
452	Shell Gray-MD	499	196	416	164	208	82
500	Blue Green-VY DK	10958	4313	9132	3594	4566	1797
520	Fern Green-DK	1876	738	1563	615	782	308
522	Fern Green	700	275	584	230	292	115
523	Fern Green-LT	2284	898	1904	749	952	374
524	Fern Green-VY LT	3458	1361	2882	1134	1441	567
611	Drab Brown	1217	479	1014	399	507	200
613	Drab Brown-VY LT	1715	675	1430	563	715	281
632	Desert Sand-UL VY DK	749	293	624	245	312	122
645	Beaver Gray-VY DK	335	131	279	110	140	55
648	Beaver Gray-LT	1528	601	1274	501	637	251
677	Old Gold-VY LT	185	72	155	60	77	30
680	Old Gold-DK	130	50	108	42	54	21
701	Christmas Green-LT	72	27	60	23	30	11
725	Topaz	11	4	9	3	5	2
730	Olive Green-VY DK	3224	1269	2687	1058	1343	529
732	Olive Green	986	387	822	323	411	161
734	Olive Green-LT	482	189	402	158	201	79
738	Tan-VY LT	1350	531	1125	443	563	221
739	Tan-UL VY LT	130	50	108	42	54	21
754	Peach-LT	313	122	261	102	131	51
758	Terra Cotta-VY LT	198	77	165	65	83	32
762	Pearl Gray-VY LT	1141	448	951	374	476	187
778	Antique Mauve-VY LT	110	43	92	36	46	18
780	Topaz-UL VY DK	598	234	498	195	249	98
783	Topaz-MD	151	59	126	50	63	25
819	Baby Pink-LT	740	290	617	242	308	121
829	Golden Olive-VY DK	2516	990	2097	825	1049	413
832	Golden Olive	459	180	383	150	191	75
833	Golden Olive-LT	790	310	659	258	329	129
834	Golden Olive-VY LT	205	79	171	66	86	33
839	Beige Brown-DK	1791	704	1493	587	746	293
869	Hazelnut Brown-VY DK	1969	774	1641	645	821	323
905	Parrot Green-DK	794	311	662	260	331	130
907	Parrot Green-LT	83	32	69	27	35	14
919	Red Copper	70	27	59	23	29	11
921	Copper	27	9	23	8	11	4
922	Copper-LT	27	9	23	8	11	4
935	Avocado Green-DK	8278	3258	6899	2715	3449	1358
937	Avocado Green-MD	2104	828	1754	690	877	345
938	Coffee Brown-UL DK	4347	1710	3623	1425	1811	713
948	Peach-VY LT	387	151	323	126	161	63
950	Desert Sand-LT	211	83	176	69	88	35
966	Baby Green-MD	342	133	285	111	143	56
975	Golden Brown-DK	779	306	650	255	325	128
988	Forest Green-MD	112	43	93	36	47	18
3012	Khaki Green-MD	4043	1591	3369	1326	1685	663
3013	Khaki Green-LT	3312	1303	2760	1086	1380	543
3021	Brown Gray-VY DK	2956	1163	2463	969	1232	485
3022	Brown Gray-MD	1705	670	1421	558	710	279
3023	Brown Gray-LT	1105	434	921	362	461	181
3024	Brown Gray-VY LT	1913	752	1595	627	797	314

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3032	Mocha Brown-MD	3236	1273	2697	1061	1349	530
3041	Antique Violet-MD	77	29	65	24	32	12
3045	Yellow Beige-DK	610	239	509	200	254	100
3052	Green Gray-MD	3485	1372	2904	1143	1452	572
3064	Desert Sand	407	158	339	132	170	66
3072	Beaver Gray-VY LT	2126	835	1772	696	886	348
3346	Hunter Green	747	293	623	245	311	122
3347	Yellow Green-MD	1147	450	956	375	478	188
3362	Pine Green-DK	3326	1309	2772	1091	1386	545
3363	Pine Green-MD	1305	513	1088	428	544	214
3364	Pine Green	3449	1357	2874	1131	1437	566
3721	Shell Pink-DK	47	18	39	15	20	8
3726	Antique Mauve-DK	160	63	134	53	67	26
3740	Antique Violet-DK	236	92	197	77	98	38
3753	Antique Blue-UL VY LT	61	23	51	20	26	10
3756	Baby Blue-UL VY LT	1145	450	954	375	477	188
3768	Gray Green-DK	265	103	221	86	110	43
3772	Desert Sand-VY DK	1051	412	876	344	438	172
3774	Desert Sand-VY LT	193	76	161	63	80	32
3782	Mocha Brown-LT	895	351	746	293	373	146
3787	Brown Gray-DK	715	281	596	234	298	117
3802	Antique Mauve-VY DK	464	182	387	152	194	76
3817	Celadon Green-LT	218	85	182	71	91	35
3820	Straw-DK	95	36	80	30	40	15
3826	Golden Brown	43	16	36	14	18	7
3828	Hazelnut Brown	70	27	59	23	29	11
3829	Old Gold-VY DK	394	155	329	129	164	65
3836	Grape-LT	54	20	45	17	23	8
3860	Cocoa	1166	459	972	383	486	191
3861	Cocoa-LT	625	245	521	204	260	102
3862	Mocha Beige-DK	2698	1062	2249	885	1124	443
3865	Winter White	796	313	663	261	332	131
ecru	Ecru	2128	837	1773	698	887	349

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
223	Shell Pink-LT	81	32	78	30	75	29
224	Shell Pink-VY LT	39	15	37	15	36	14
300	Mahogany-VY DK	526	207	505	199	487	191
317	Pewter Gray	66	26	64	25	61	24
319	Pistachio Green-VY DK	688	271	662	260	637	251
369	Pistachio Green-VY LT	621	244	597	235	575	226
371	Mustard	930	366	894	352	861	339
415	Pearl Gray	150	59	145	57	139	55
420	Hazelnut Brown-DK	619	243	595	234	573	225
435	Brown-VY LT	106	41	102	39	98	38
436	Tan	124	48	119	46	115	45
437	Tan-LT	203	80	195	77	188	74
445	Lemon-LT	48	19	46	18	45	17
451	Shell Gray-DK	27	10	26	10	25	9
452	Shell Gray-MD	199	78	192	75	185	73
500	Blue Green-VY DK	4383	1725	4215	1659	4059	1597
520	Fern Green-DK	750	295	721	284	695	273
522	Fern Green	280	110	269	106	259	102
523	Fern Green-LT	914	359	879	345	846	333

524	Fern Green-VY LT	1383	544	1330	523	1281	504
611	Drab Brown	487	192	468	184	451	177
613	Drab Brown-VY LT	686	270	660	260	635	250
632	Desert Sand-UL VY DK	300	117	288	113	277	109
645	Beaver Gray-VY DK	134	53	129	51	124	49
648	Beaver Gray-LT	611	240	588	231	566	223
677	Old Gold-VY LT	74	29	71	28	69	27
680	Old Gold-DK	52	20	50	19	48	19
701	Christmas Green-LT	29	11	28	10	27	10
725	Topaz	4	1	4	1	4	1
730	Olive Green-VY DK	1290	508	1240	488	1194	470
732	Olive Green	395	155	379	149	365	143
734	Olive Green-LT	193	76	186	73	179	70
738	Tan-VY LT	540	212	519	204	500	197
739	Tan-UL VY LT	52	20	50	19	48	19
754	Peach-LT	125	49	120	47	116	45
758	Terra Cotta-VY LT	79	31	76	30	73	29
762	Pearl Gray-VY LT	456	179	439	172	423	166
778	Antique Mauve-VY LT	44	17	42	17	41	16
780	Topaz-UL VY DK	239	94	230	90	221	87
783	Topaz-MD	60	24	58	23	56	22
819	Baby Pink-LT	296	116	285	111	274	107
829	Golden Olive-VY DK	1007	396	968	381	932	367
832	Golden Olive	184	72	177	69	170	67
833	Golden Olive-LT	316	124	304	119	293	115
834	Golden Olive-VY LT	82	32	79	30	76	29
839	Beige Brown-DK	716	282	689	271	663	261
869	Hazelnut Brown-VY DK	788	310	757	298	729	287
905	Parrot Green-DK	318	125	305	120	294	115
907	Parrot Green-LT	33	13	32	12	31	12
919	Red Copper	28	11	27	10	26	10
921	Copper	11	4	10	3	10	3
922	Copper-LT	11	4	10	3	10	3
935	Avocado Green-DK	3311	1303	3184	1253	3066	1207
937	Avocado Green-MD	842	331	809	318	779	307
938	Coffee Brown-UL DK	1739	684	1672	658	1610	633
948	Peach-VY LT	155	60	149	58	143	56
950	Desert Sand-LT	84	33	81	32	78	31
966	Baby Green-MD	137	53	132	51	127	49
975	Golden Brown-DK	312	122	300	118	289	113
988	Forest Green-MD	45	17	43	17	41	16
3012	Khaki Green-MD	1617	636	1555	612	1497	589
3013	Khaki Green-LT	1325	521	1274	501	1227	483
3021	Brown Gray-VY DK	1182	465	1137	447	1095	431
3022	Brown Gray-MD	682	268	656	258	631	248
3023	Brown Gray-LT	442	174	425	167	409	161
3024	Brown Gray-VY LT	765	301	736	289	709	279
3032	Mocha Brown-MD	1295	509	1245	489	1199	471
3041	Antique Violet-MD	31	12	30	11	29	11
3045	Yellow Beige-DK	244	96	235	92	226	89
3052	Green Gray-MD	1394	549	1340	528	1291	508
3064	Desert Sand	163	63	156	61	151	59
3072	Beaver Gray-VY LT	850	334	818	321	787	309
3346	Hunter Green	299	117	287	113	277	109
3347	Yellow Green-MD	459	180	441	173	425	167
3362	Pine Green-DK	1331	523	1279	503	1232	485
3363	Pine Green-MD	522	205	502	197	483	190
3364	Pine Green	1380	543	1326	522	1277	503
3721	Shell Pink-DK	19	7	18	7	17	7

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3726	Antique Mauve-DK	64	25	62	24	59	23
3740	Antique Violet-DK	94	37	91	35	87	34
3753	Antique Blue-UL VY LT	24	9	24	9	23	9
3756	Baby Blue-UL VY LT	458	180	440	173	424	167
3768	Gray Green-DK	106	41	102	39	98	38
3772	Desert Sand-VY DK	420	165	404	159	389	153
3774	Desert Sand-VY LT	77	30	74	29	71	28
3782	Mocha Brown-LT	358	140	344	135	331	130
3787	Brown Gray-DK	286	112	275	108	265	104
3802	Antique Mauve-VY DK	186	73	179	70	172	67
3817	Celadon Green-LT	87	34	84	33	81	31
3820	Straw-DK	38	14	37	14	35	13
3826	Golden Brown	17	6	17	6	16	6
3828	Hazelnut Brown	28	11	27	10	26	10
3829	Old Gold-VY DK	158	62	152	60	146	57
3836	Grape-LT	22	8	21	8	20	7
3860	Cocoa	467	184	449	177	432	170
3861	Cocoa-LT	250	98	240	94	231	91
3862	Mocha Beige-DK	1079	425	1038	408	999	393
3865	Winter White	318	125	306	120	295	116
ecru	Ecru	851	335	818	322	788	310

Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
223	Shell Pink-LT	72	28	67	26	63	25
224	Shell Pink-VY LT	35	14	32	13	30	12
300	Mahogany-VY DK	469	185	438	172	411	161
317	Pewter Gray	59	23	55	22	52	20
319	Pistachio Green-VY DK	615	242	574	226	538	212
369	Pistachio Green-VY LT	554	218	517	203	485	191
371	Mustard	830	327	775	305	726	286
415	Pearl Gray	134	53	125	49	118	46
420	Hazelnut Brown-DK	553	217	516	203	484	190
435	Brown-VY LT	95	37	88	34	83	32
436	Tan	111	43	103	40	97	38
437	Tan-LT	181	71	169	67	159	62
445	Lemon-LT	43	17	40	16	38	15
451	Shell Gray-DK	24	9	22	8	21	8
452	Shell Gray-MD	178	70	166	65	156	61
500	Blue Green-VY DK	3914	1540	3653	1438	3425	1348
520	Fern Green-DK	670	264	625	246	586	231
522	Fern Green	250	98	233	92	219	86
523	Fern Green-LT	816	321	761	299	714	281
524	Fern Green-VY LT	1235	486	1153	454	1081	425
611	Drab Brown	435	171	406	160	380	150
613	Drab Brown-VY LT	613	241	572	225	536	211
632	Desert Sand-UL VY DK	267	105	250	98	234	92
645	Beaver Gray-VY DK	120	47	112	44	105	41
648	Beaver Gray-LT	546	215	509	200	478	188
677	Old Gold-VY LT	66	26	62	24	58	23
680	Old Gold-DK	46	18	43	17	41	16
701	Christmas Green-LT	26	10	24	9	23	8
725	Topaz	4	1	4	1	3	1
730	Olive Green-VY DK	1151	453	1075	423	1007	397
732	Olive Green	352	138	329	129	308	121
734	Olive Green-LT	172	68	161	63	151	59

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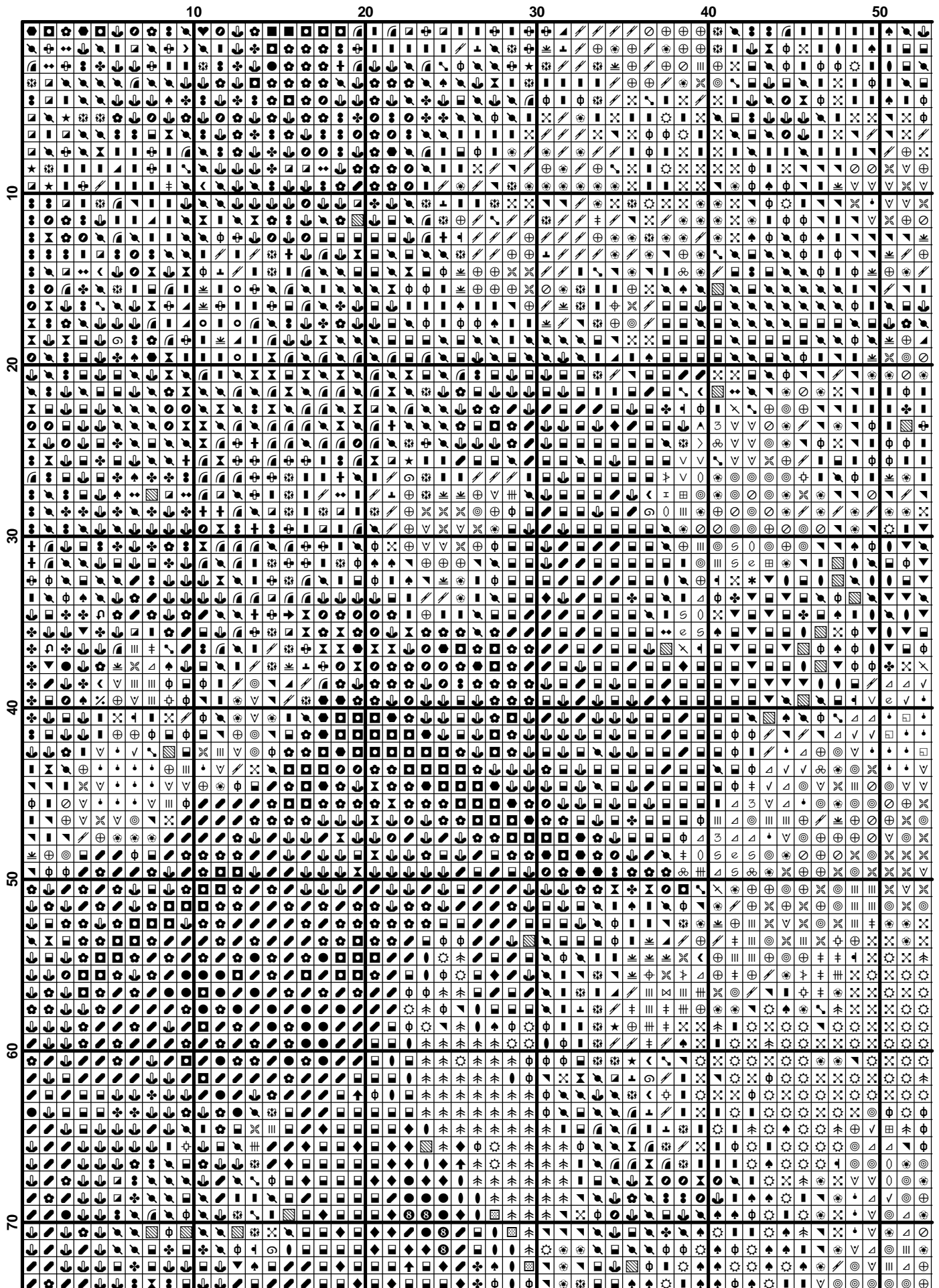
738	Tan-VY LT	482	190	450	177	422	166
739	Tan-UL VY LT	46	18	43	17	41	16
754	Peach-LT	112	44	104	41	98	38
758	Terra Cotta-VY LT	71	28	66	26	62	24
762	Pearl Gray-VY LT	408	160	380	149	357	140
778	Antique Mauve-VY LT	39	15	37	14	34	14
780	Topaz-UL VY DK	213	84	199	78	187	73
783	Topaz-MD	54	21	50	20	47	19
819	Baby Pink-LT	264	104	247	97	231	91
829	Golden Olive-VY DK	899	354	839	330	786	309
832	Golden Olive	164	64	153	60	143	56
833	Golden Olive-LT	282	111	263	103	247	97
834	Golden Olive-VY LT	73	28	68	26	64	25
839	Beige Brown-DK	640	251	597	235	560	220
869	Hazelnut Brown-VY DK	703	276	656	258	615	242
905	Parrot Green-DK	284	111	265	104	248	97
907	Parrot Green-LT	30	12	28	11	26	10
919	Red Copper	25	10	23	9	22	8
921	Copper	10	3	9	3	8	3
922	Copper-LT	10	3	9	3	8	3
935	Avocado Green-DK	2957	1164	2759	1086	2587	1018
937	Avocado Green-MD	752	296	701	276	658	259
938	Coffee Brown-UL DK	1553	611	1449	570	1358	534
948	Peach-VY LT	138	54	129	50	121	47
950	Desert Sand-LT	75	30	70	28	66	26
966	Baby Green-MD	122	48	114	44	107	42
975	Golden Brown-DK	278	109	260	102	244	96
988	Forest Green-MD	40	15	37	14	35	14
3012	Khaki Green-MD	1444	568	1348	530	1263	497
3013	Khaki Green-LT	1183	465	1104	434	1035	407
3021	Brown Gray-VY DK	1056	415	985	388	924	363
3022	Brown Gray-MD	609	239	568	223	533	209
3023	Brown Gray-LT	395	155	368	145	345	136
3024	Brown Gray-VY LT	683	269	638	251	598	235
3032	Mocha Brown-MD	1156	455	1079	424	1011	398
3041	Antique Violet-MD	28	10	26	10	24	9
3045	Yellow Beige-DK	218	86	203	80	191	75
3052	Green Gray-MD	1245	490	1162	457	1089	429
3064	Desert Sand	145	57	136	53	127	50
3072	Beaver Gray-VY LT	759	298	709	278	664	261
3346	Hunter Green	267	105	249	98	233	92
3347	Yellow Green-MD	410	161	382	150	358	141
3362	Pine Green-DK	1188	467	1109	436	1040	409
3363	Pine Green-MD	466	183	435	171	408	160
3364	Pine Green	1232	485	1150	452	1078	424
3721	Shell Pink-DK	17	6	16	6	15	6
3726	Antique Mauve-DK	57	23	53	21	50	20
3740	Antique Violet-DK	84	33	79	31	74	29
3753	Antique Blue-UL VY LT	22	8	20	8	19	7
3756	Baby Blue-UL VY LT	409	161	382	150	358	141
3768	Gray Green-DK	95	37	88	34	83	32
3772	Desert Sand-VY DK	375	147	350	137	329	129
3774	Desert Sand-VY LT	69	27	64	25	60	24
3782	Mocha Brown-LT	320	125	298	117	280	110
3787	Brown Gray-DK	255	100	238	94	223	88
3802	Antique Mauve-VY DK	166	65	155	61	145	57
3817	Celadon Green-LT	78	30	73	28	68	26
3820	Straw-DK	34	13	32	12	30	11
3826	Golden Brown	15	6	14	5	14	5

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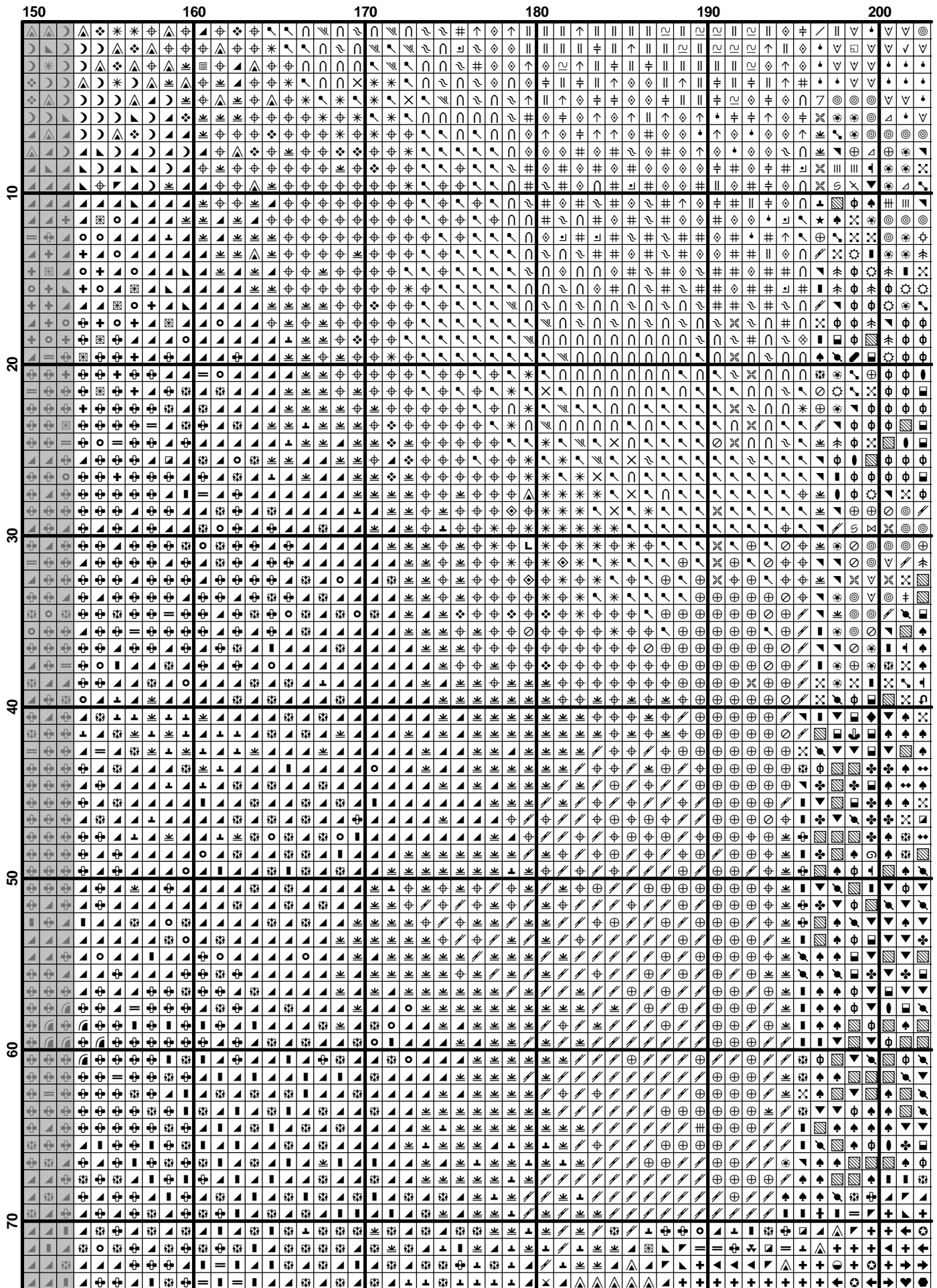
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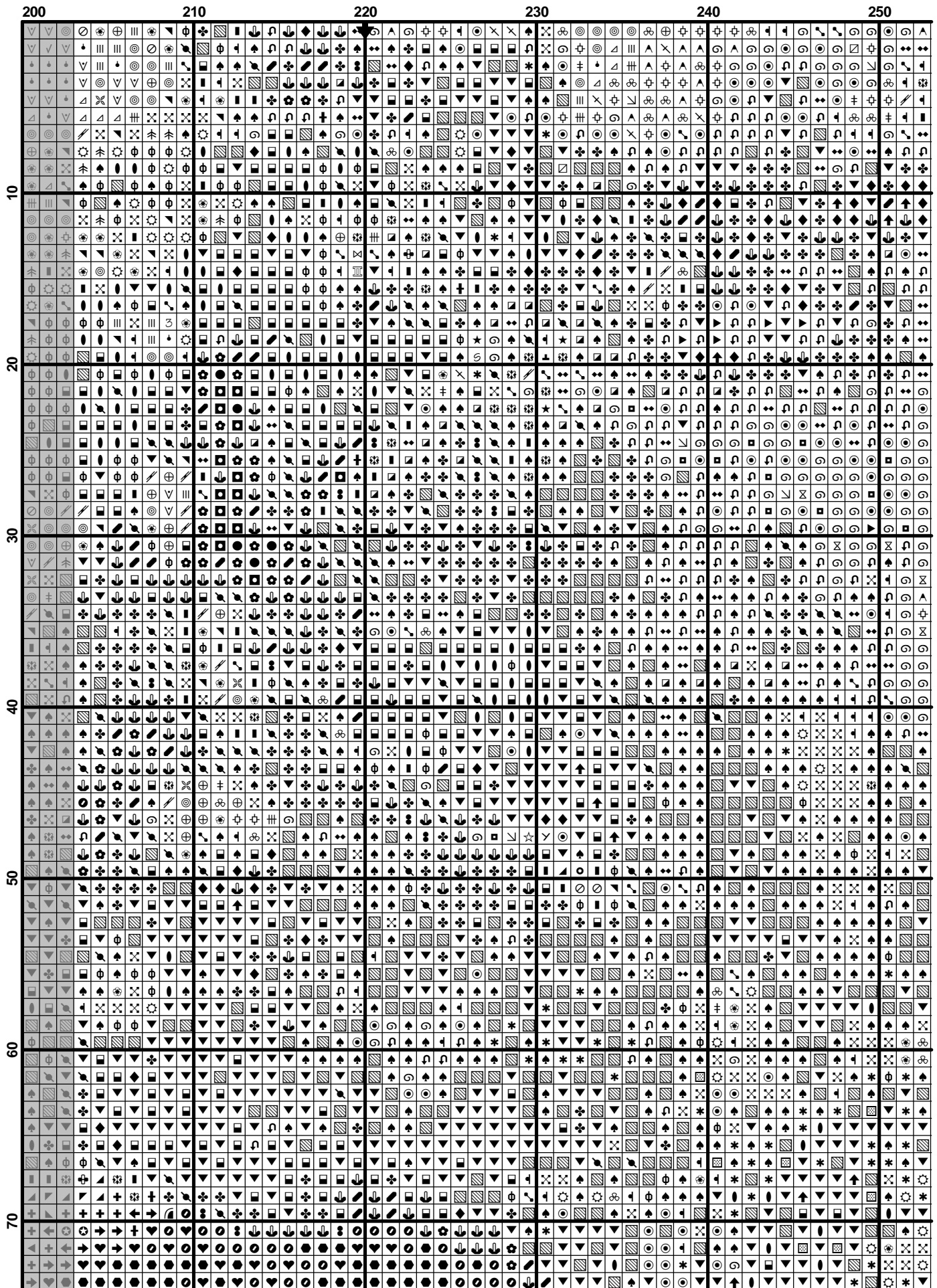
3828	Hazelnut Brown	25	10	23	9	22	8
3829	Old Gold-VY DK	141	55	131	52	123	48
3836	Grape-LT	19	7	18	7	17	6
3860	Cocoa	417	164	389	153	365	143
3861	Cocoa-LT	223	87	208	82	195	77
3862	Mocha Beige-DK	964	379	899	354	843	332
3865	Winter White	284	112	265	104	249	98
ecru	Ecru	760	299	709	279	665	262

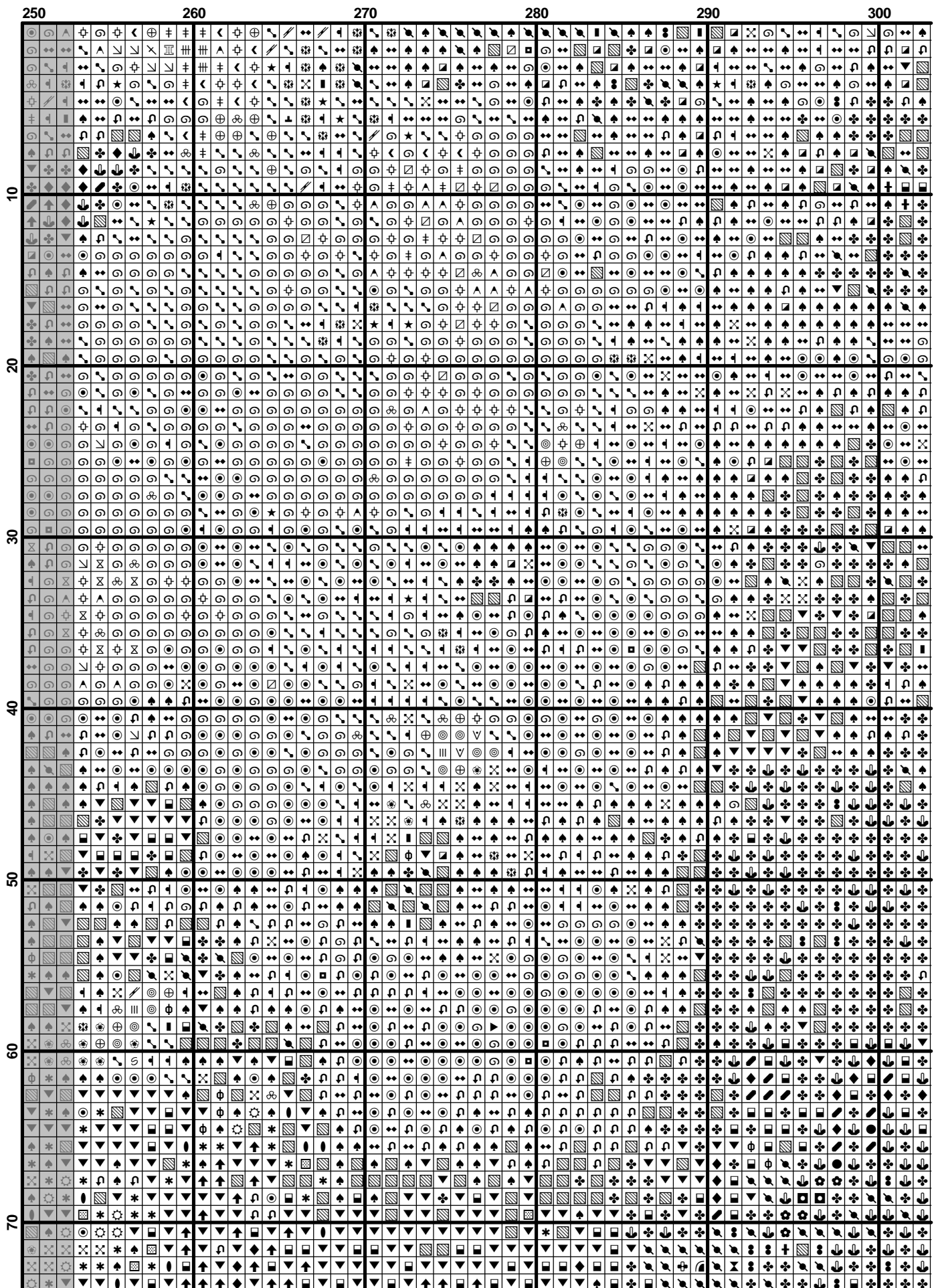


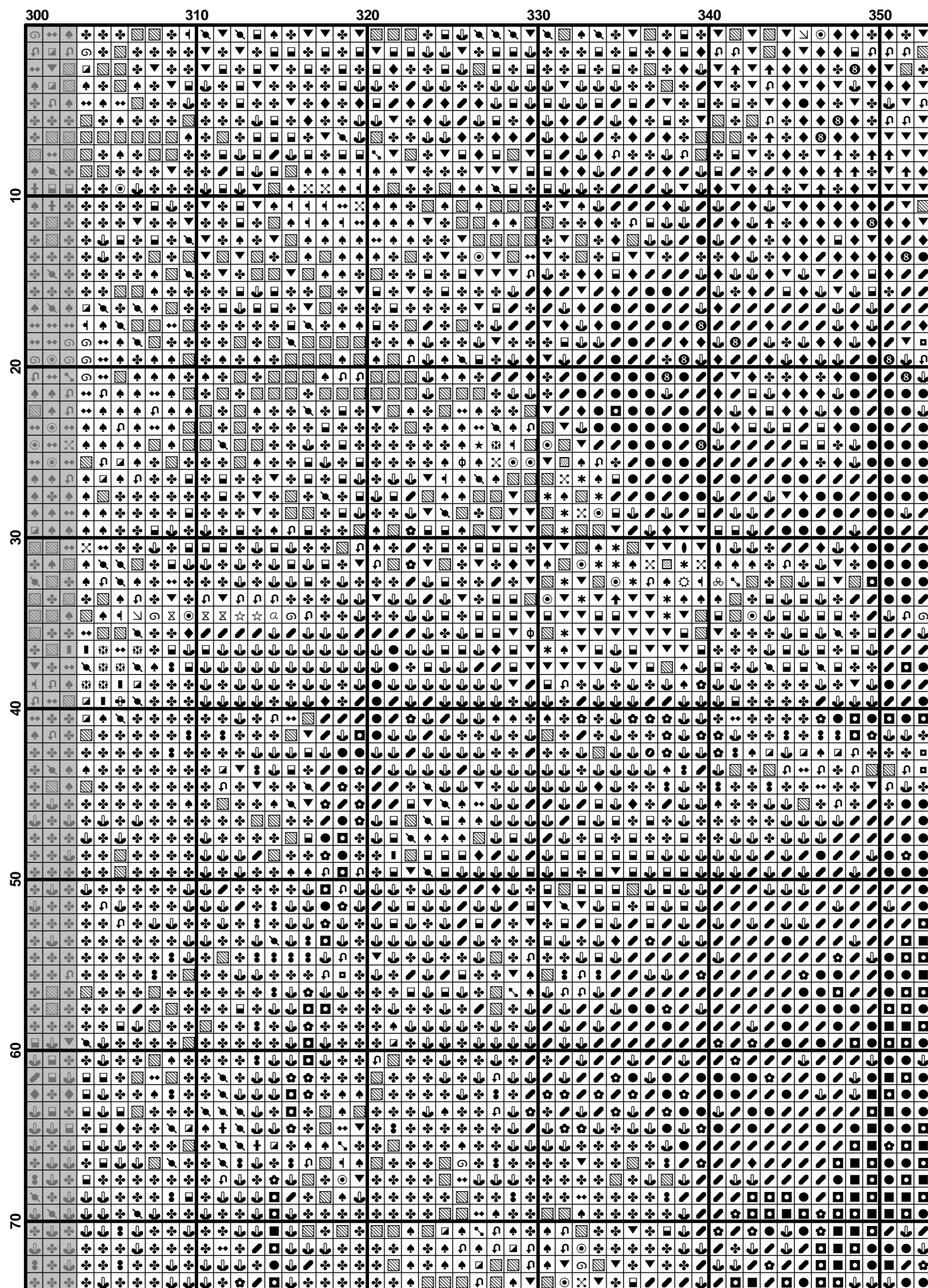
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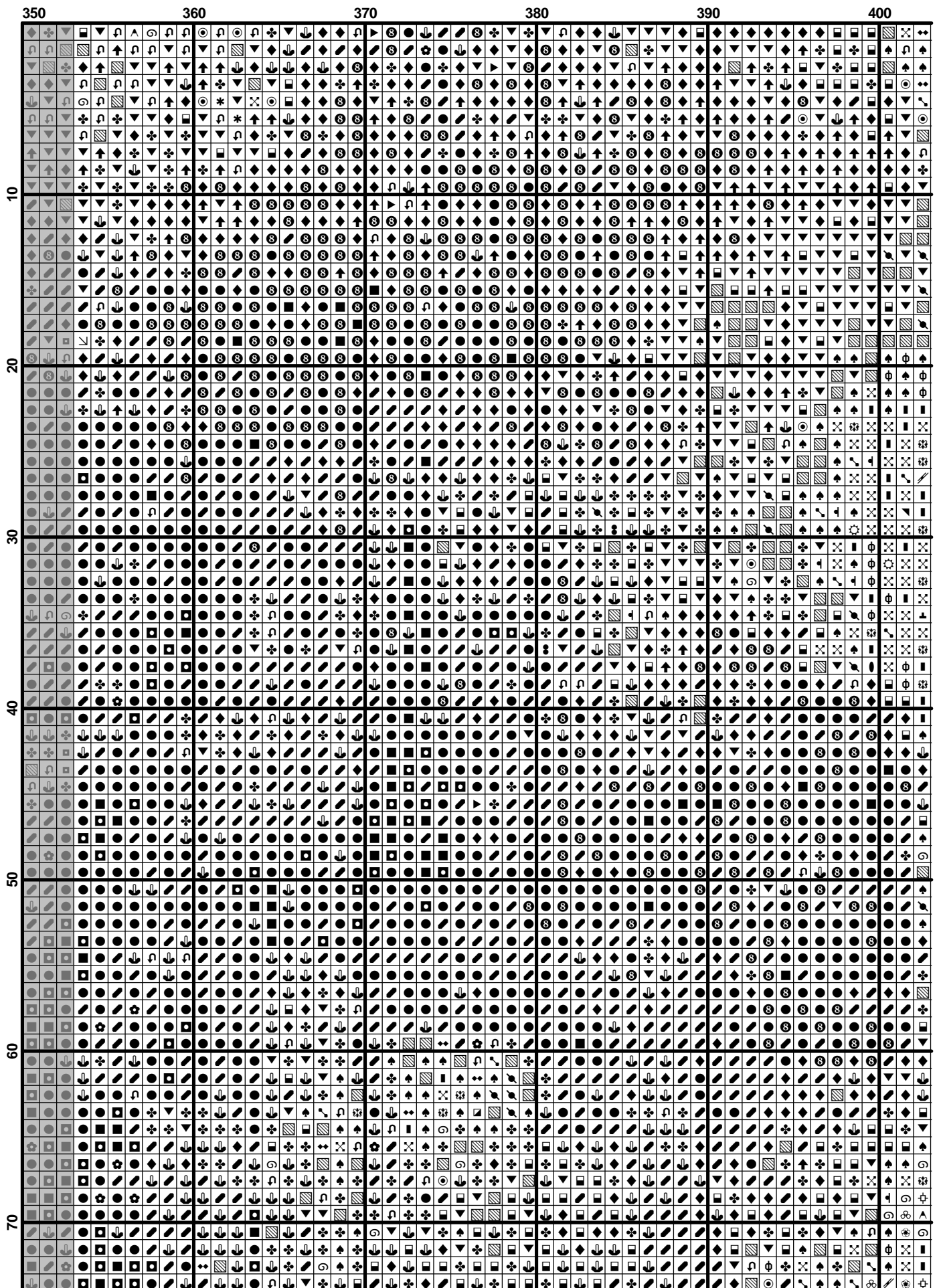
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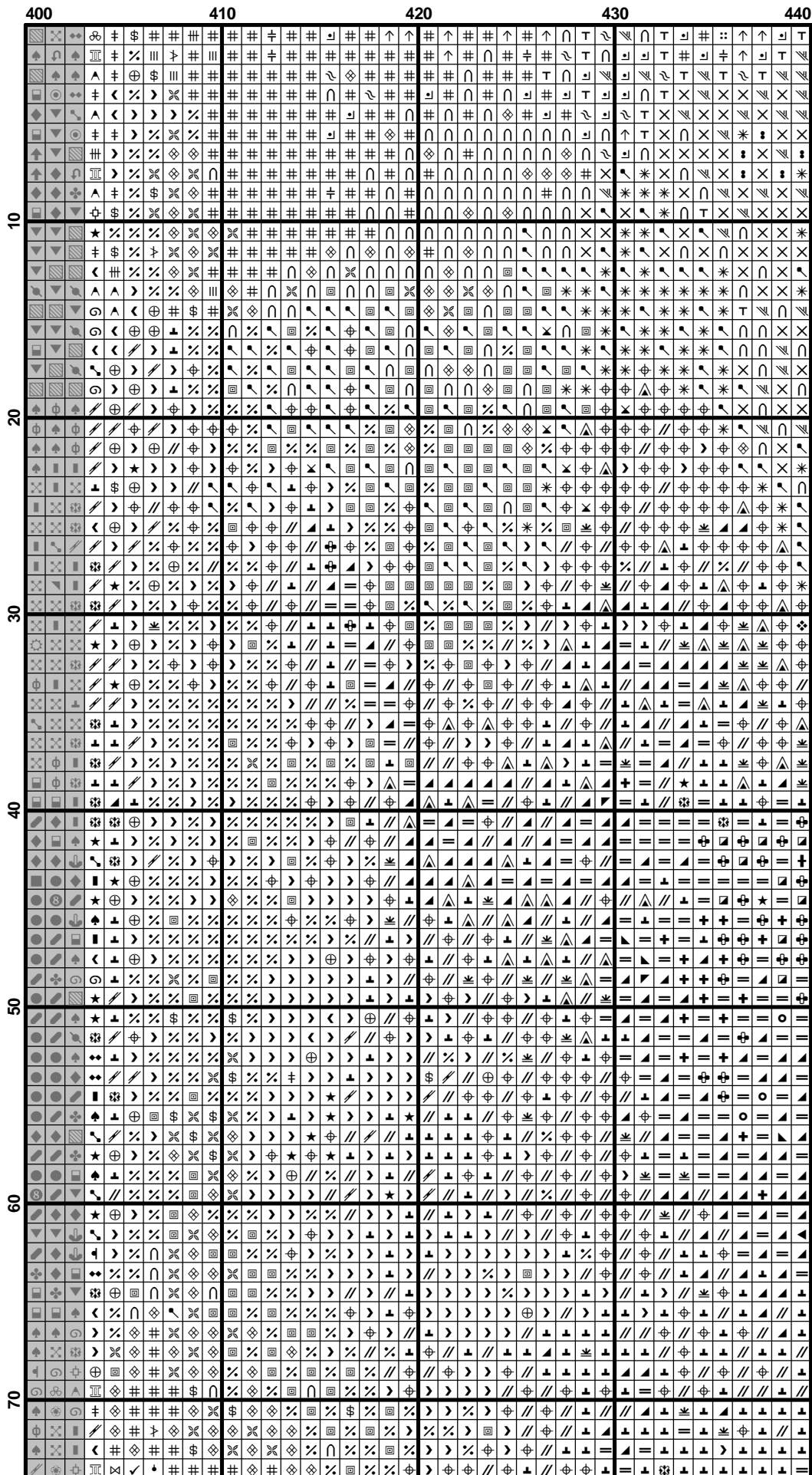


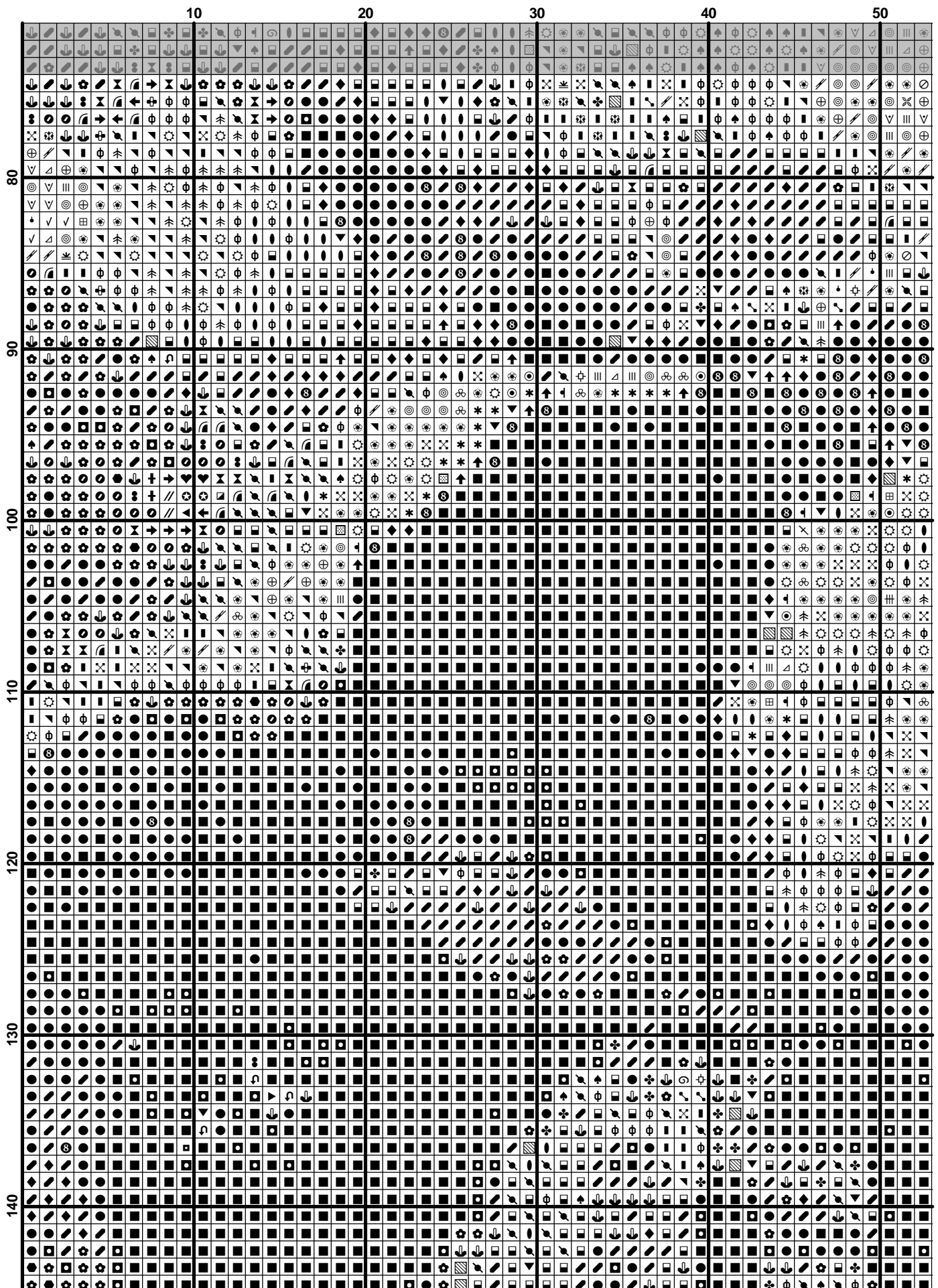




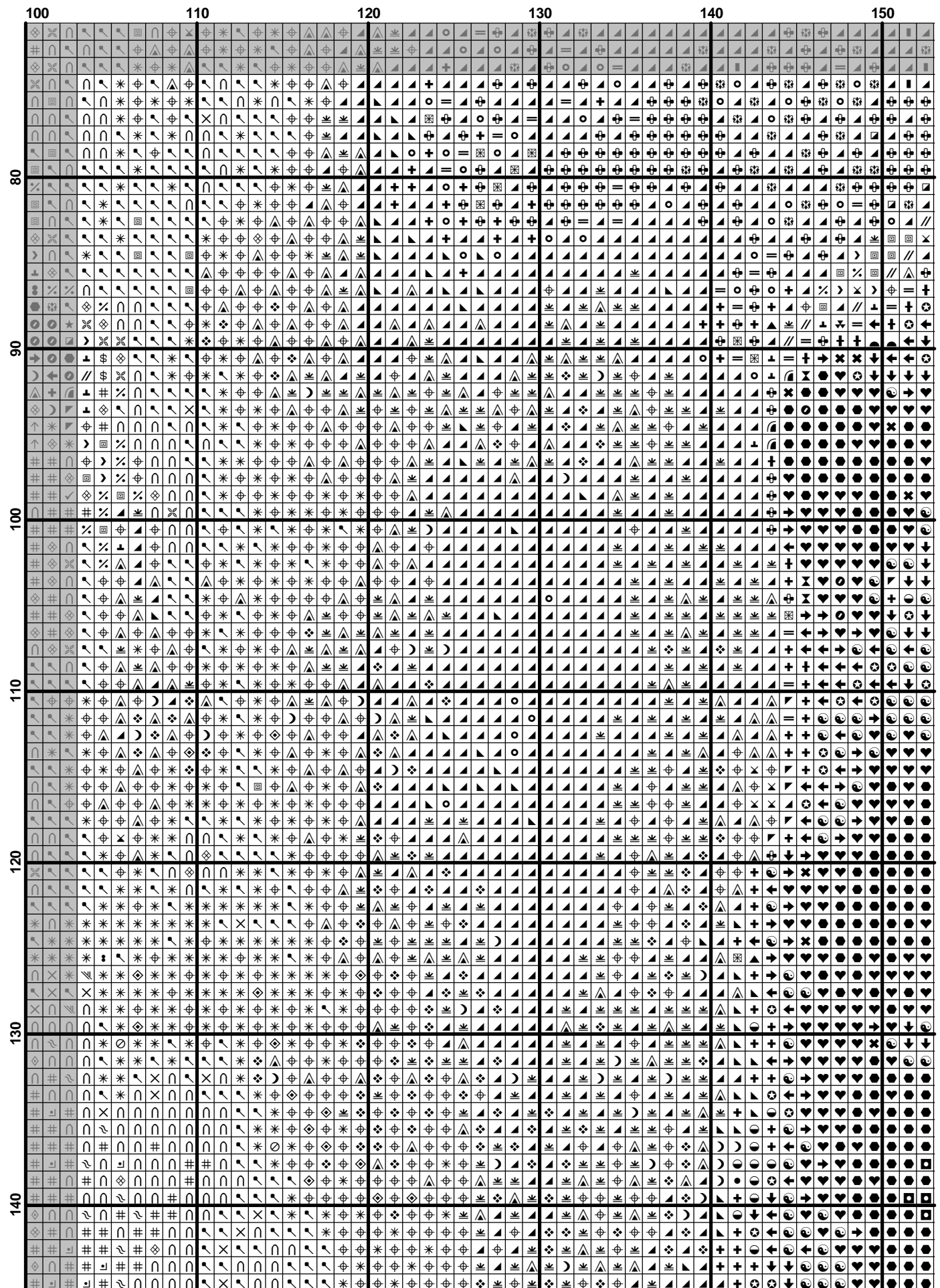




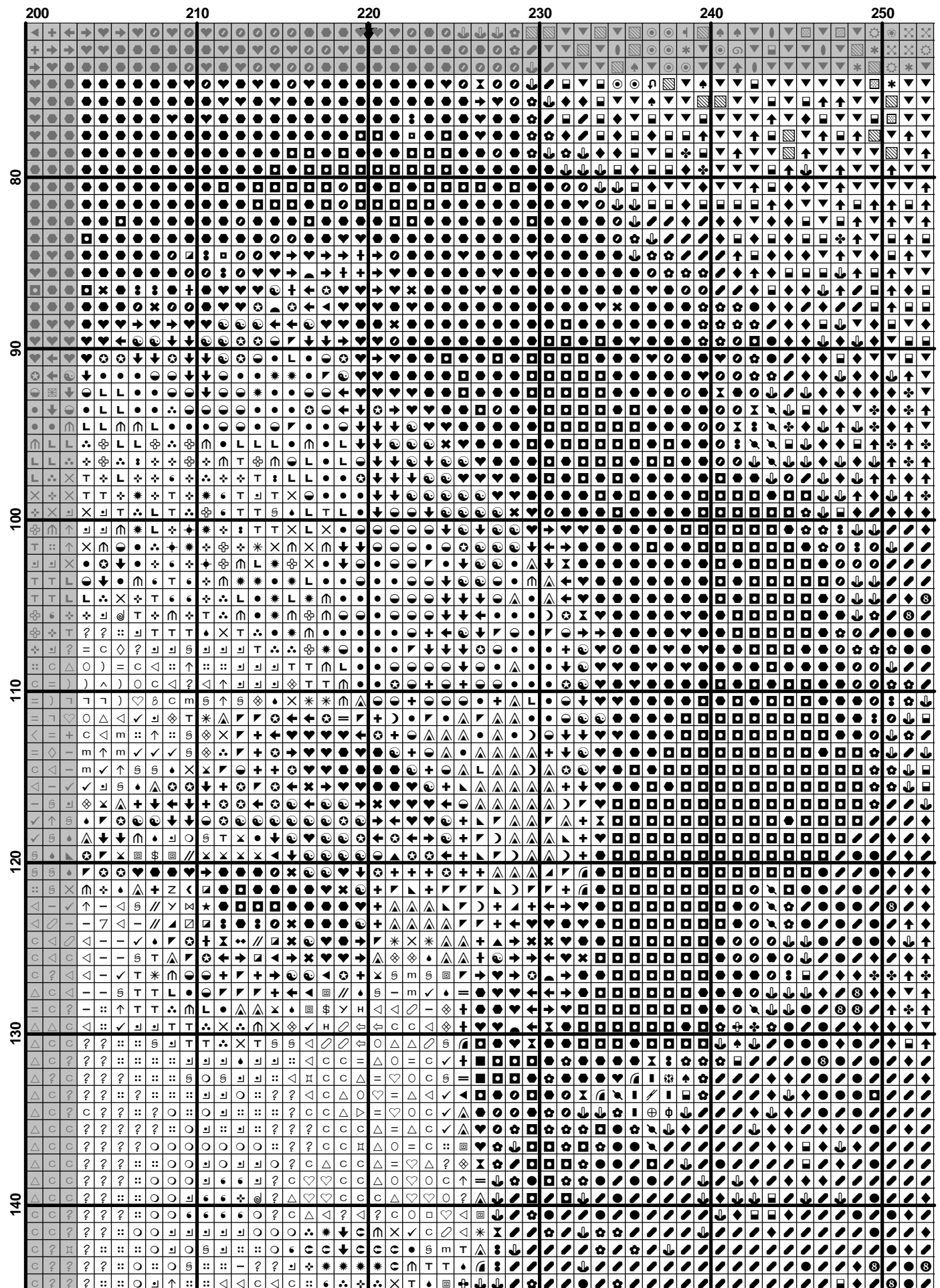


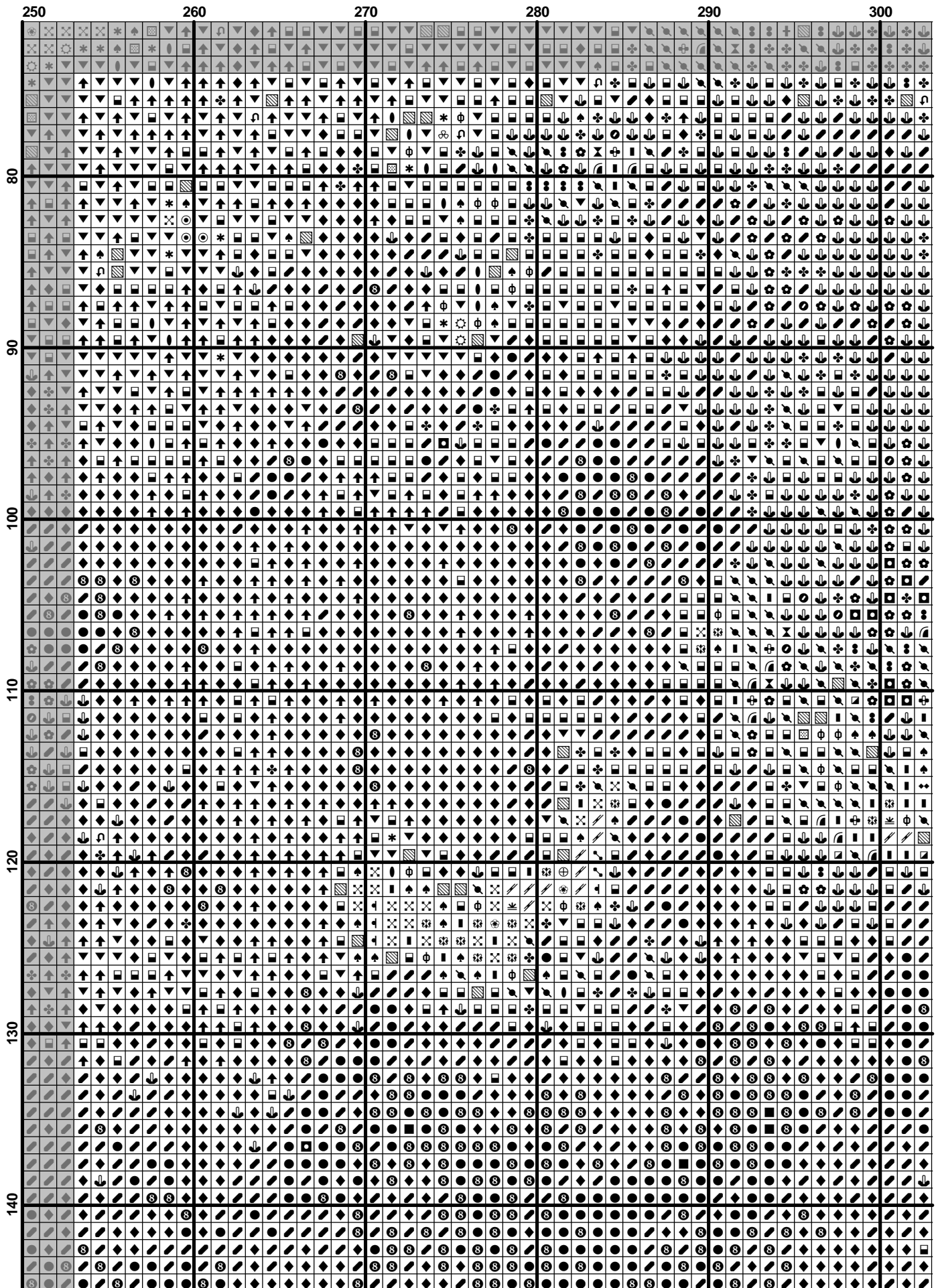


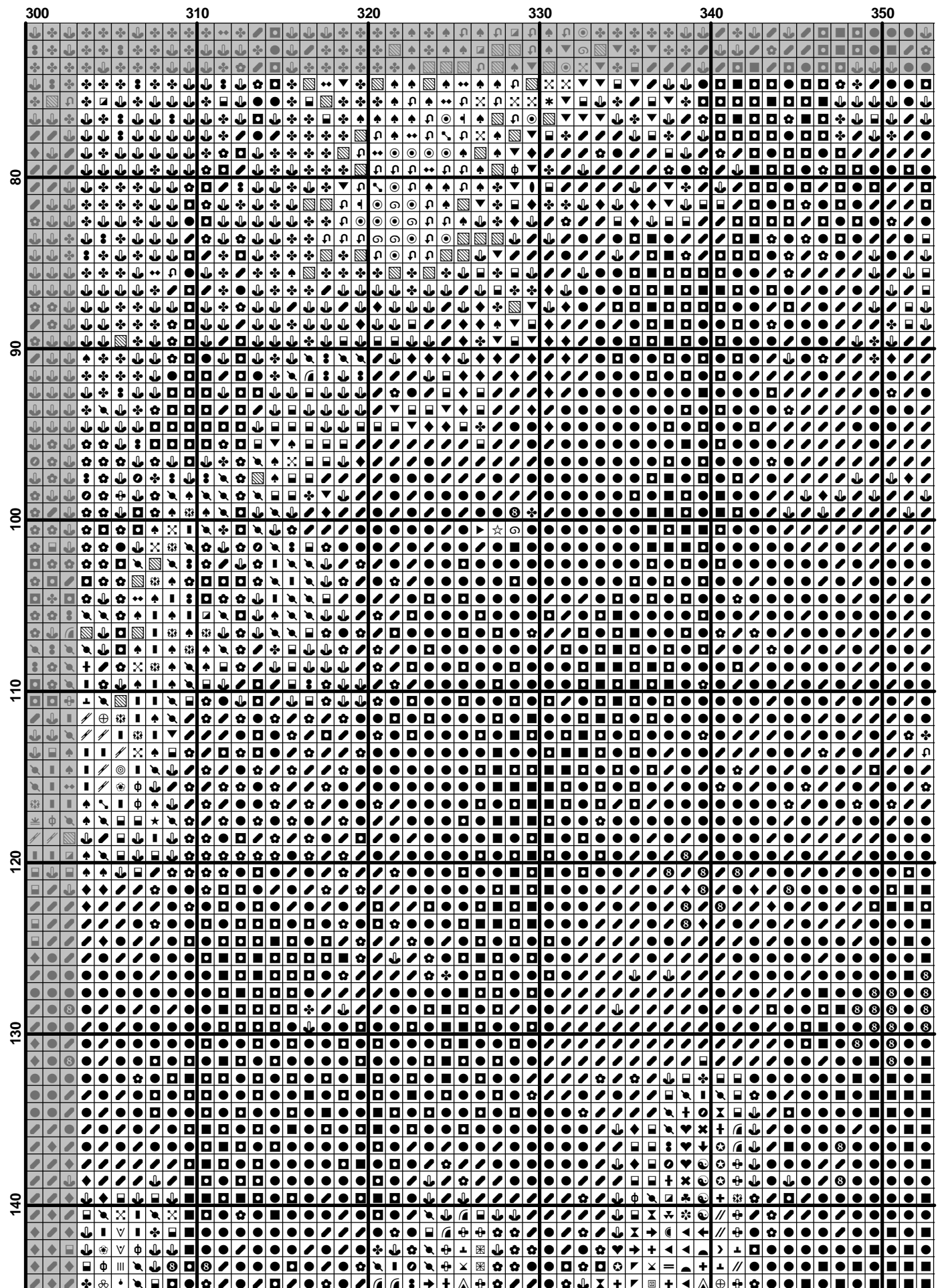
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90	III	III	III	III	III	III
100	III	III	III	III	III	III
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140	III	III	III	III	III	III
150	III	III	III	III	III	III
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170	III	III	III	III	III	III
180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

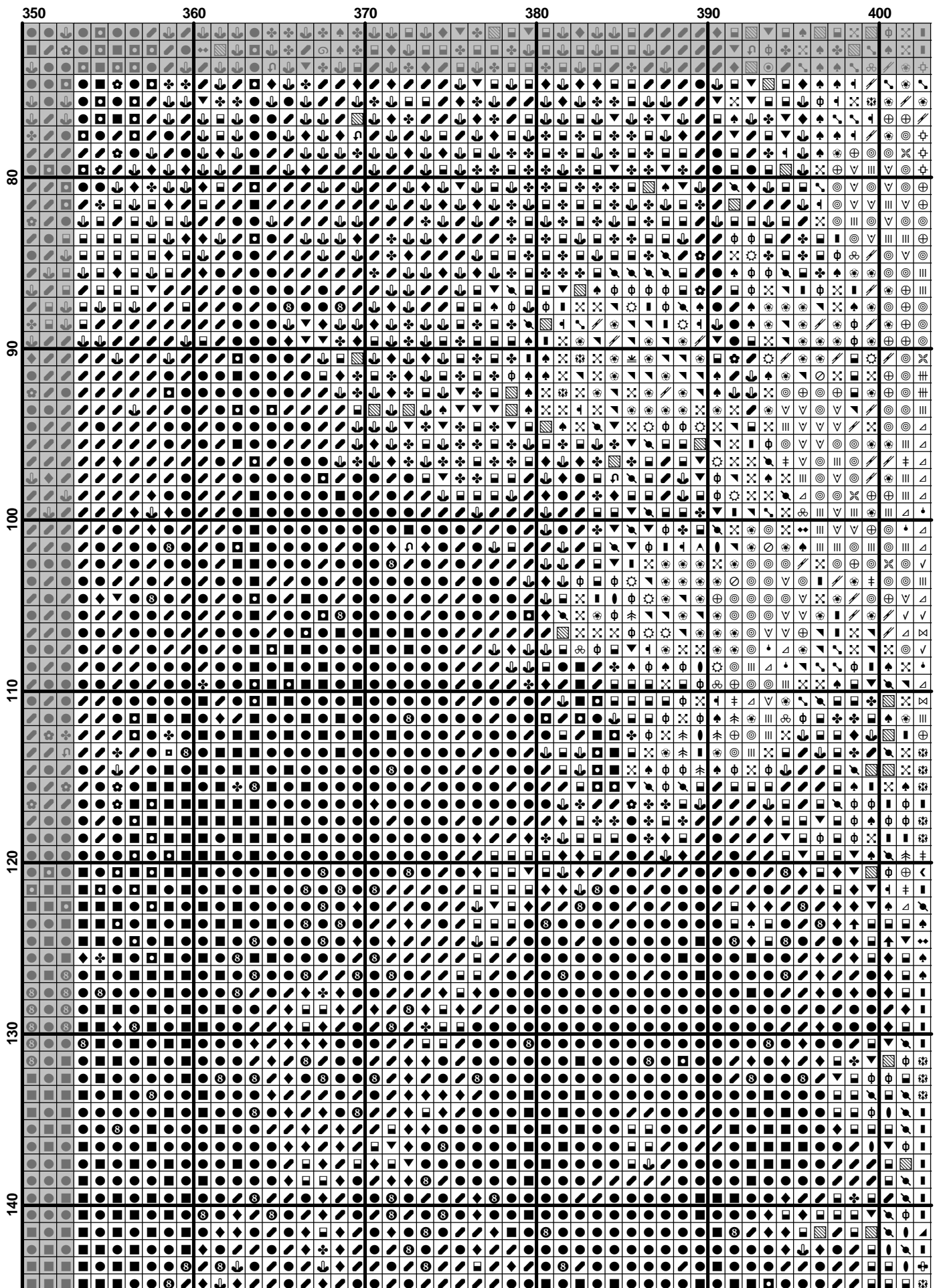


$$(22) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (23)$$

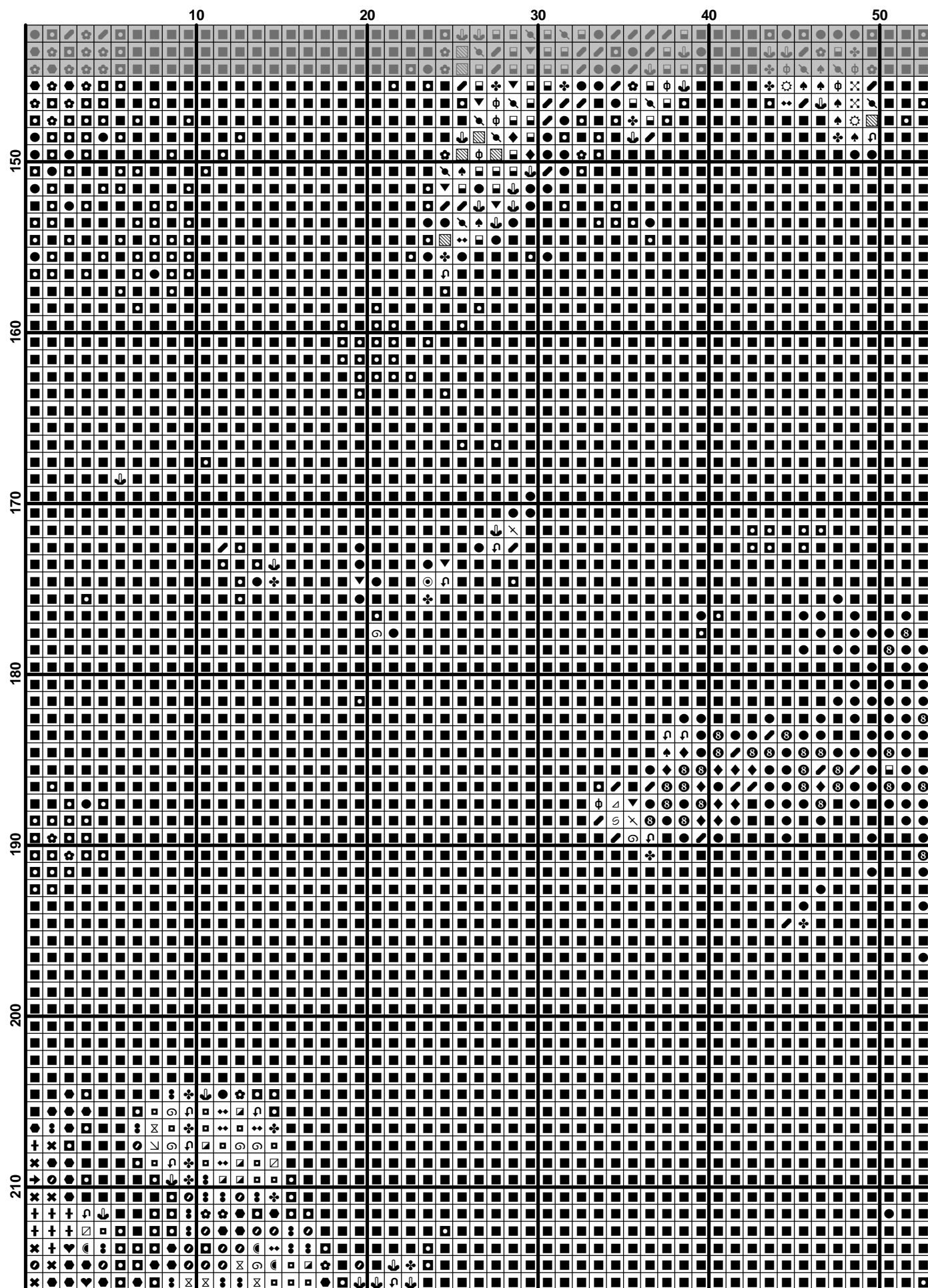








(27)

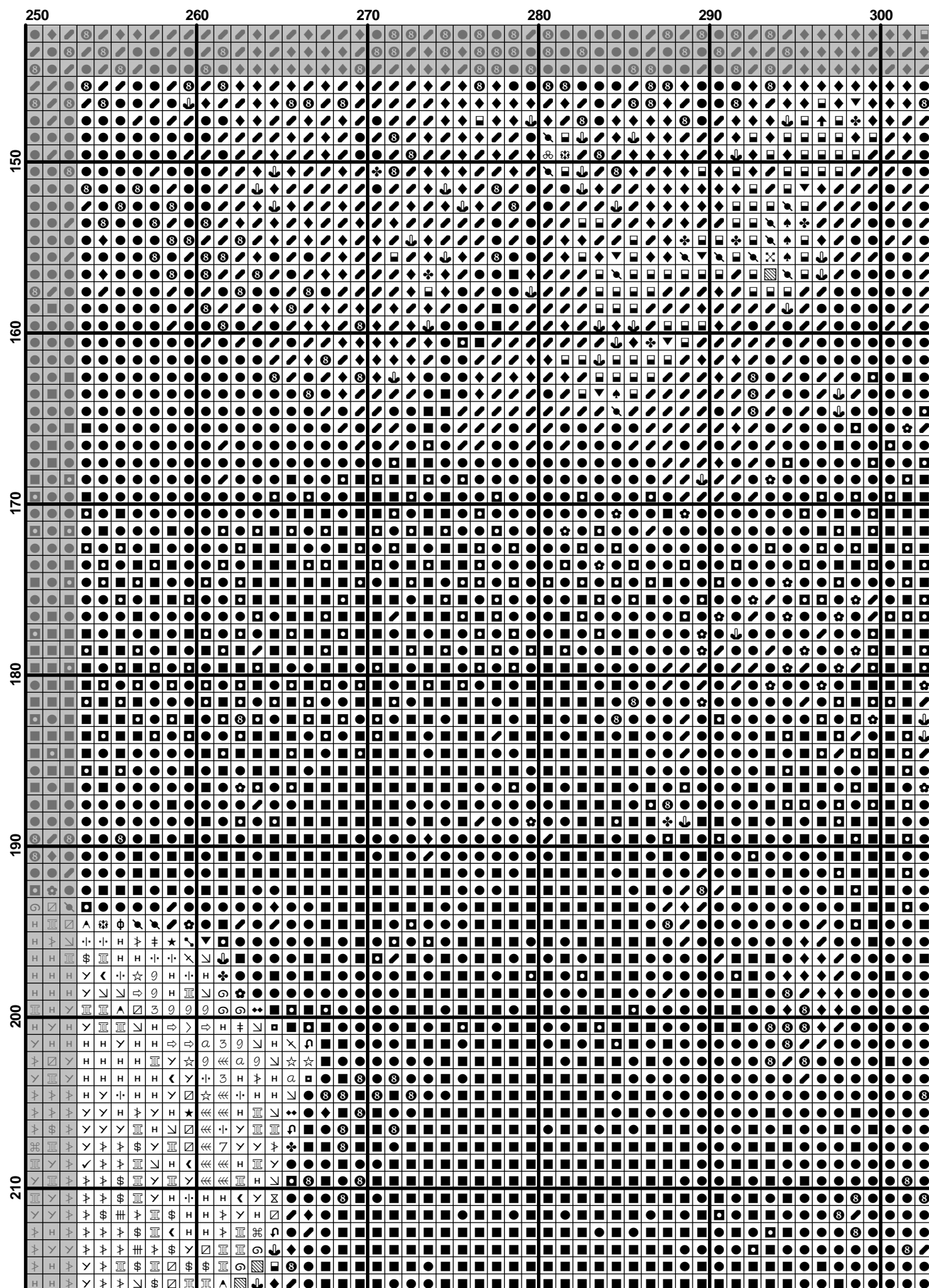


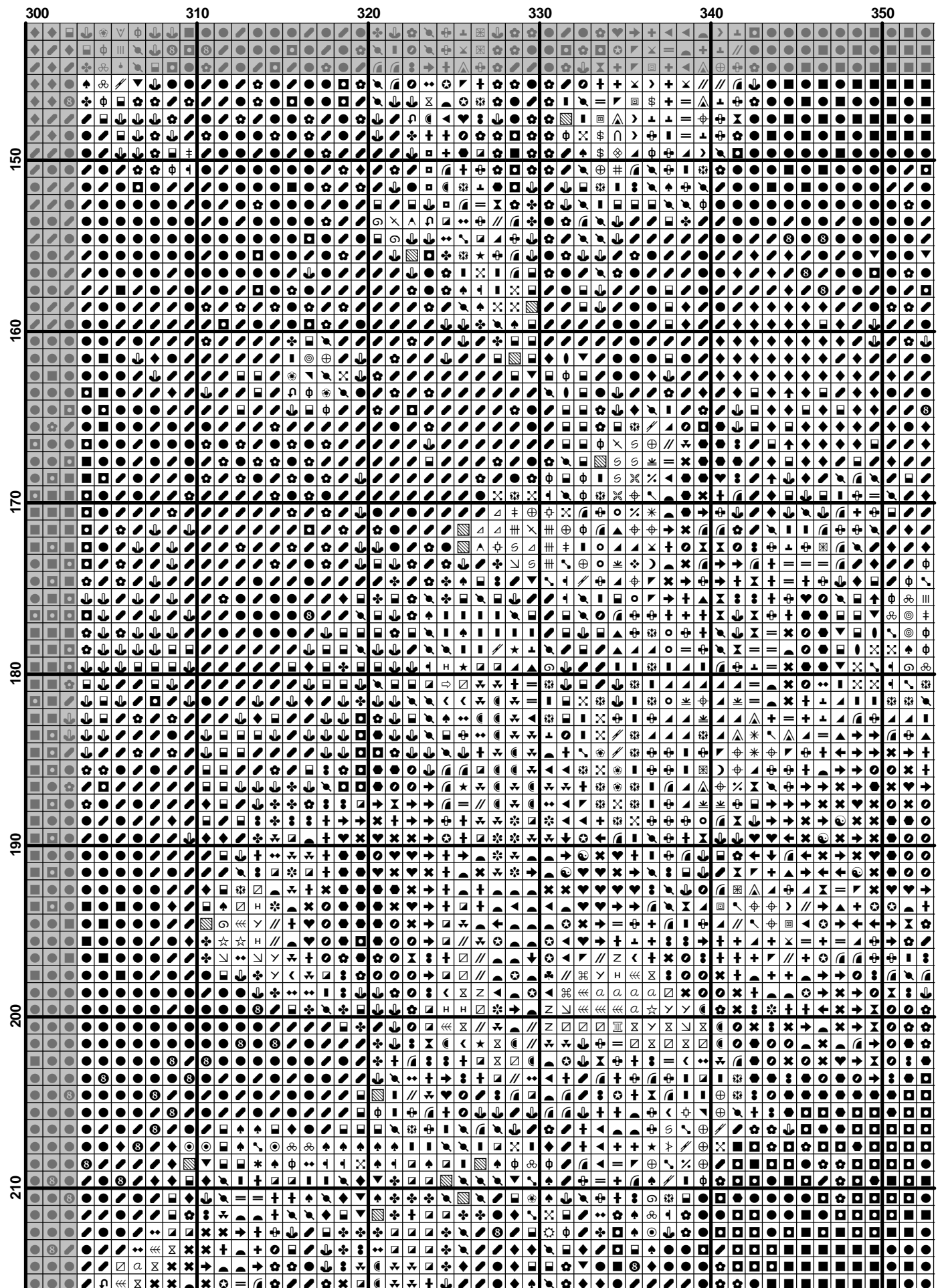
$$(29) \quad \mathcal{H}^{\text{reg}}_{\text{reg}} = \mathcal{H}^{\text{reg}}_{\text{reg}} \quad (30)$$

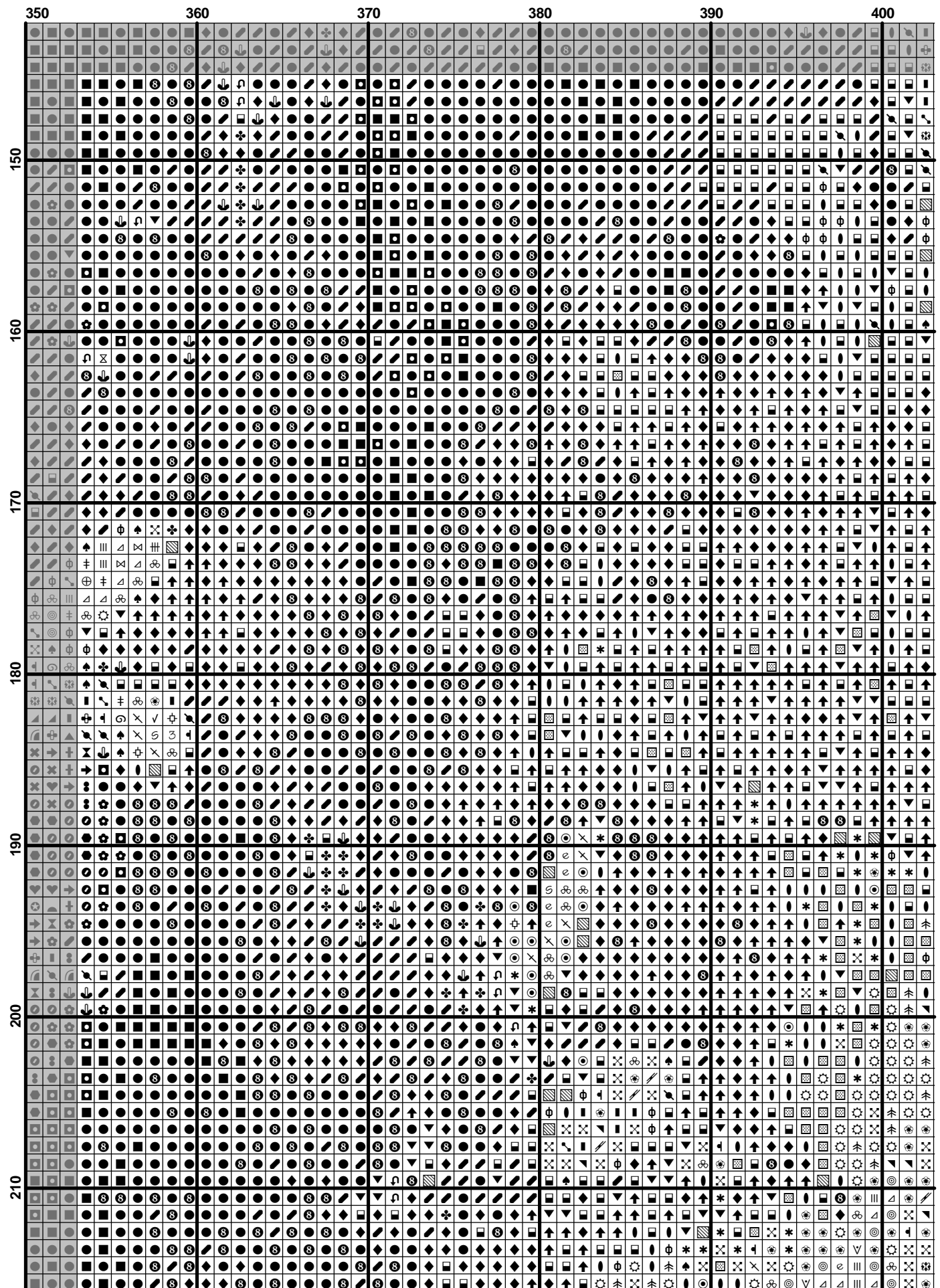
(31)

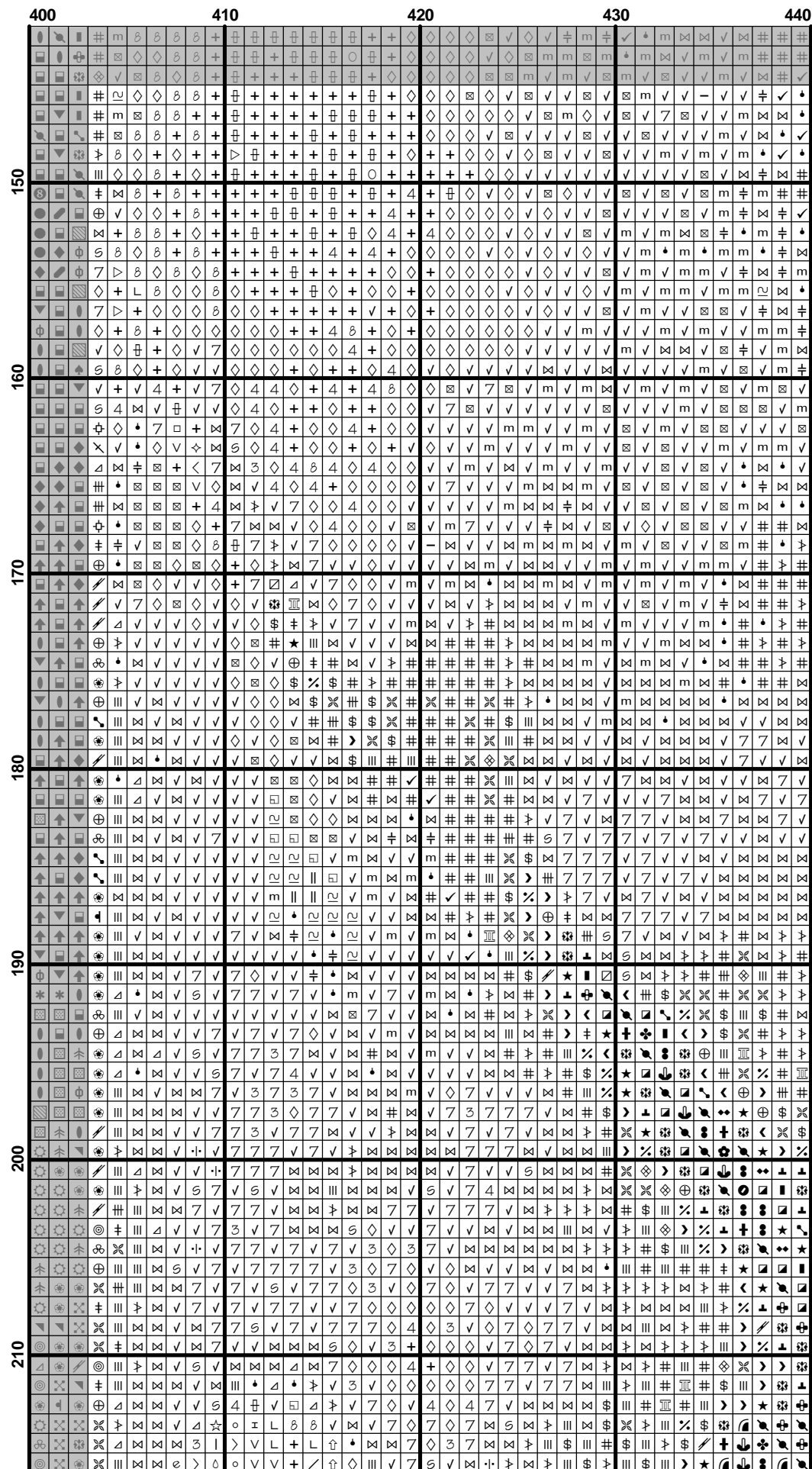
$$(31) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

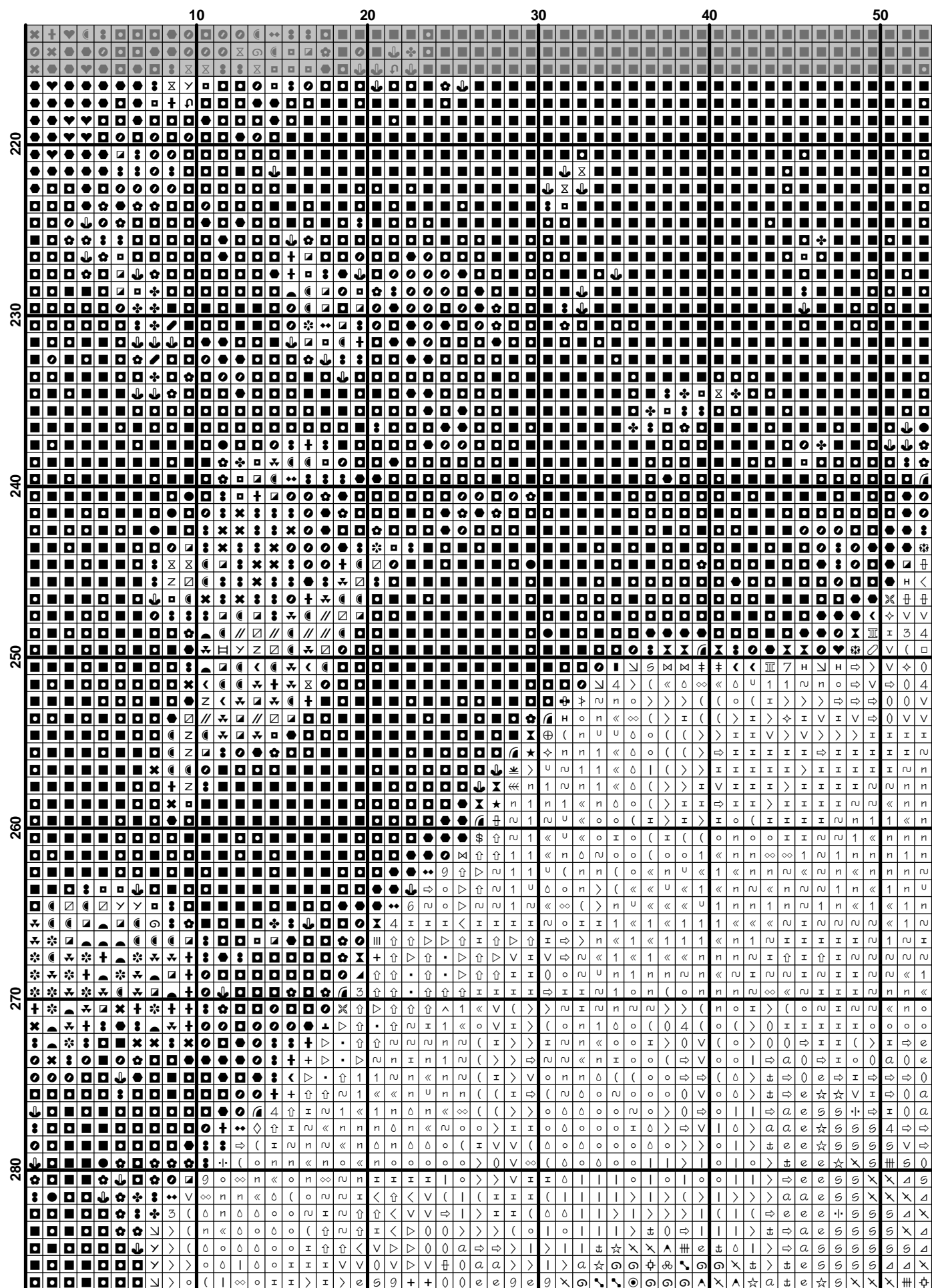
$$(32) \quad \mathcal{H}^{\text{reg}}_{\text{reg}} = \mathcal{H}^{\text{reg}}_{\text{reg}} \quad (33)$$









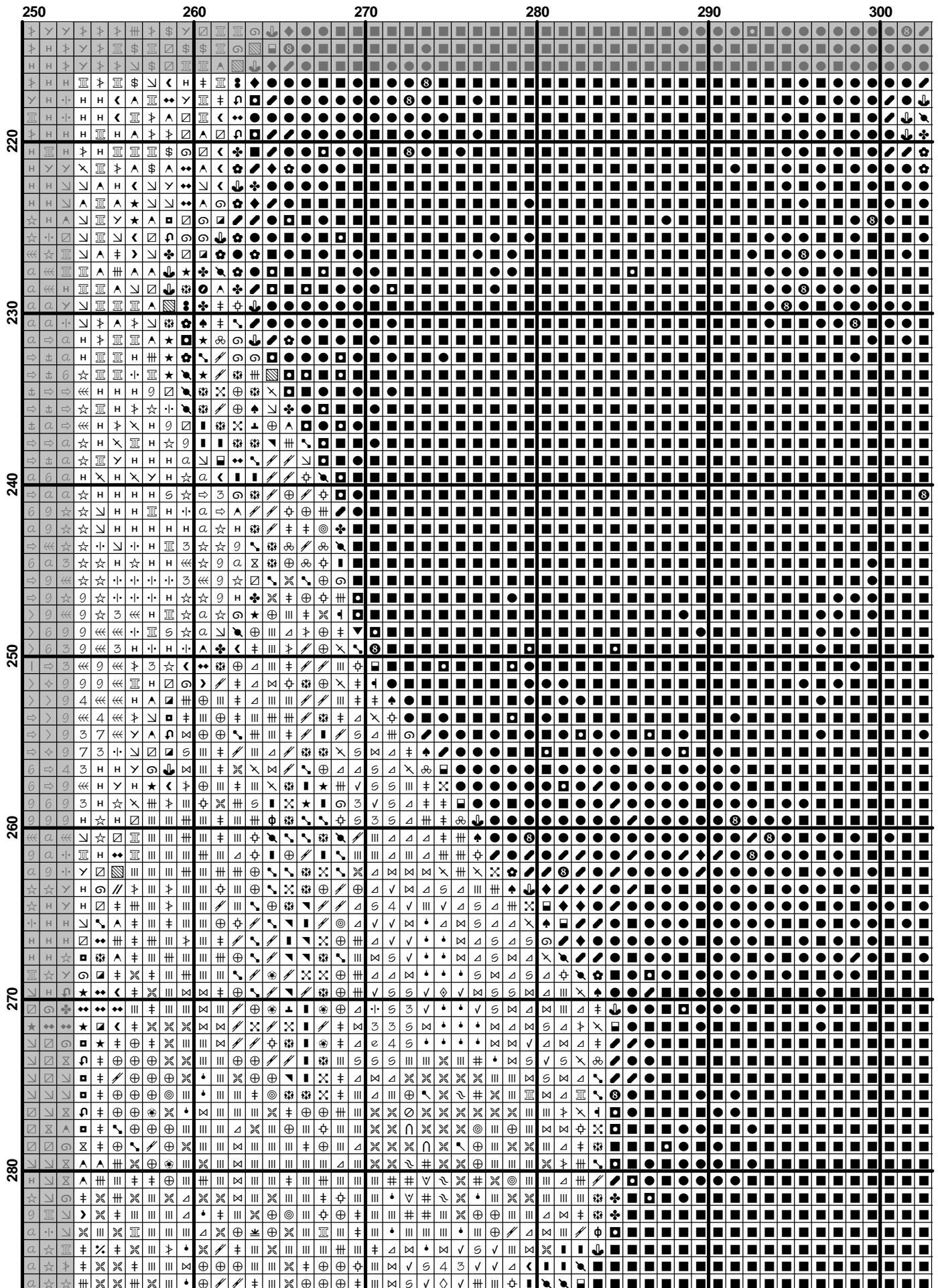


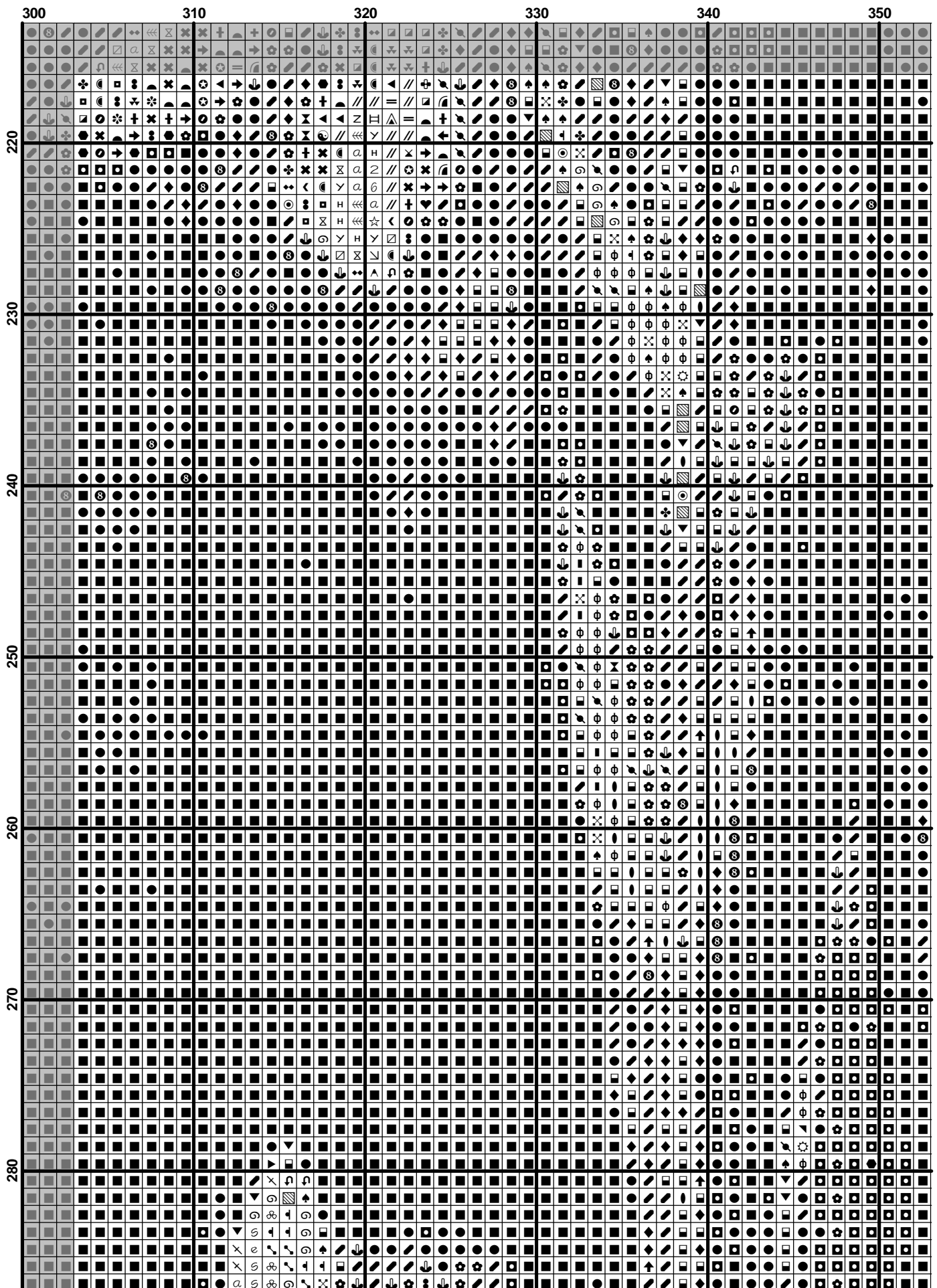
[illegible]

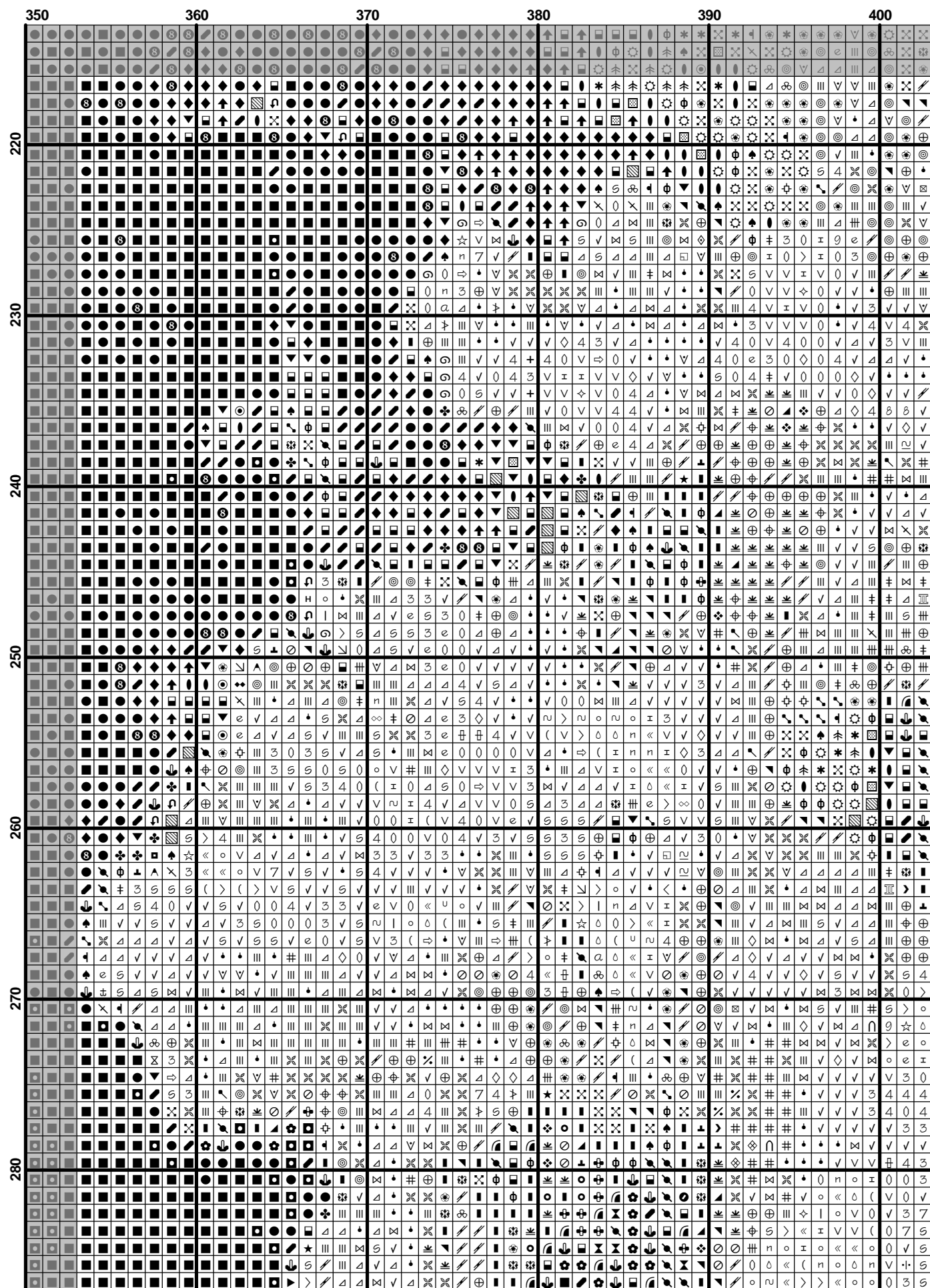
(40)

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

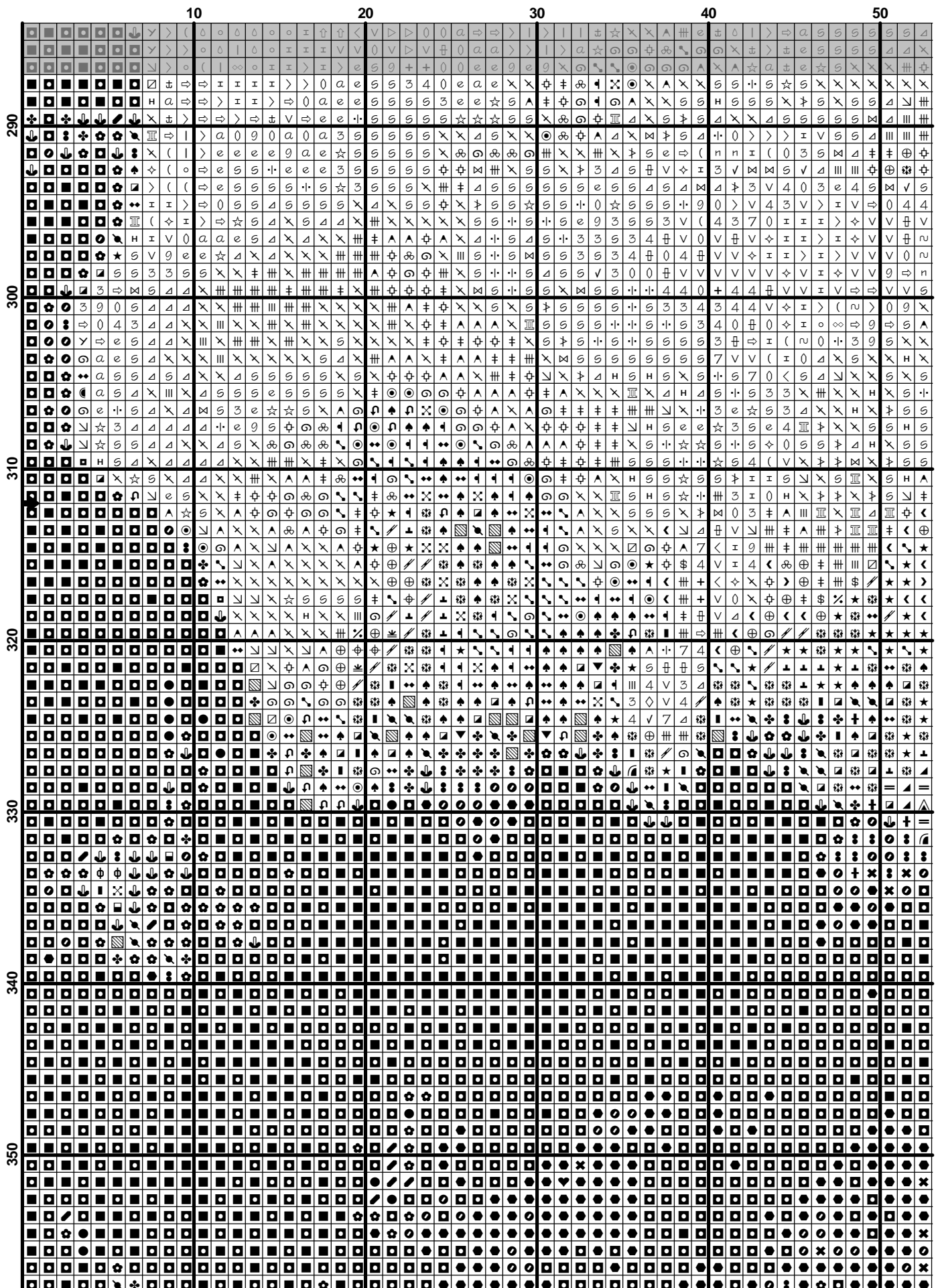
	200	210	220	230	240	250
200	↓	↓	↓	↓	↓	↓
210	↓	↓	↓	↓	↓	↓
220	↓	↓	↓	↓	↓	↓
230	↓	↓	↓	↓	↓	↓
240	↓	↓	↓	↓	↓	↓
250	↓	↓	↓	↓	↓	↓
260	↓	↓	↓	↓	↓	↓
270	↓	↓	↓	↓	↓	↓
280	↓	↓	↓	↓	↓	↓
290	↓	↓	↓	↓	↓	↓
300	↓	↓	↓	↓	↓	↓
310	↓	↓	↓	↓	↓	↓
320	↓	↓	↓	↓	↓	↓
330	↓	↓	↓	↓	↓	↓
340	↓	↓	↓	↓	↓	↓
350	↓	↓	↓	↓	↓	↓
360	↓	↓	↓	↓	↓	↓
370	↓	↓	↓	↓	↓	↓
380	↓	↓	↓	↓	↓	↓
390	↓	↓	↓	↓	↓	↓
400	↓	↓	↓	↓	↓	↓
410	↓	↓	↓	↓	↓	↓
420	↓	↓	↓	↓	↓	↓
430	↓	↓	↓	↓	↓	↓
440	↓	↓	↓	↓	↓	↓
450	↓	↓	↓	↓	↓	↓
460	↓	↓	↓	↓	↓	↓
470	↓	↓	↓	↓	↓	↓
480	↓	↓	↓	↓	↓	↓
490	↓	↓	↓	↓	↓	↓
500	↓	↓	↓	↓	↓	↓
510	↓	↓	↓	↓	↓	↓
520	↓	↓	↓	↓	↓	↓
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540	↓	↓	↓	↓	↓	↓
550	↓	↓	↓	↓	↓	↓
560	↓	↓	↓	↓	↓	↓
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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	↓	↓	↓	↓	↓	↓





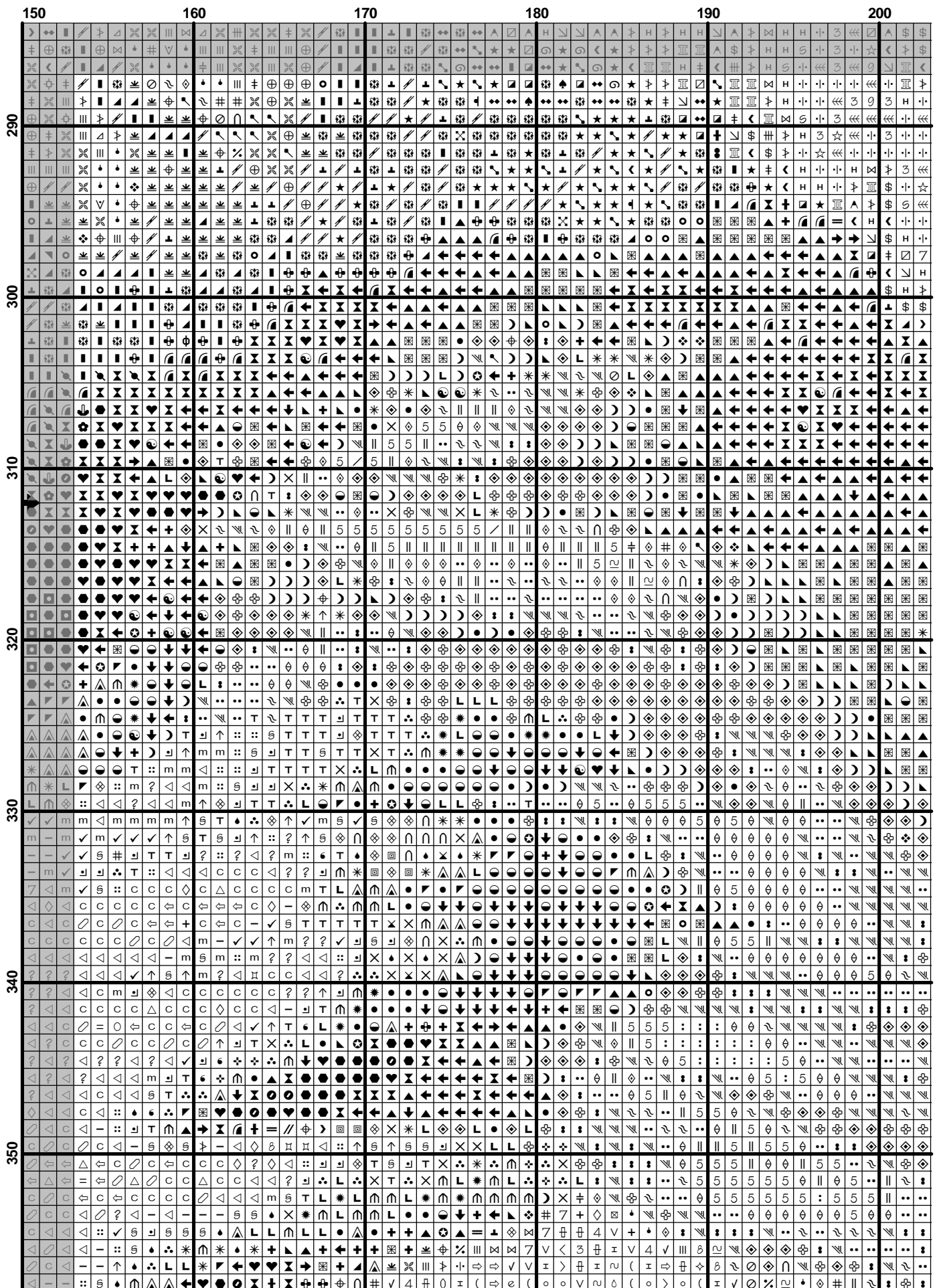


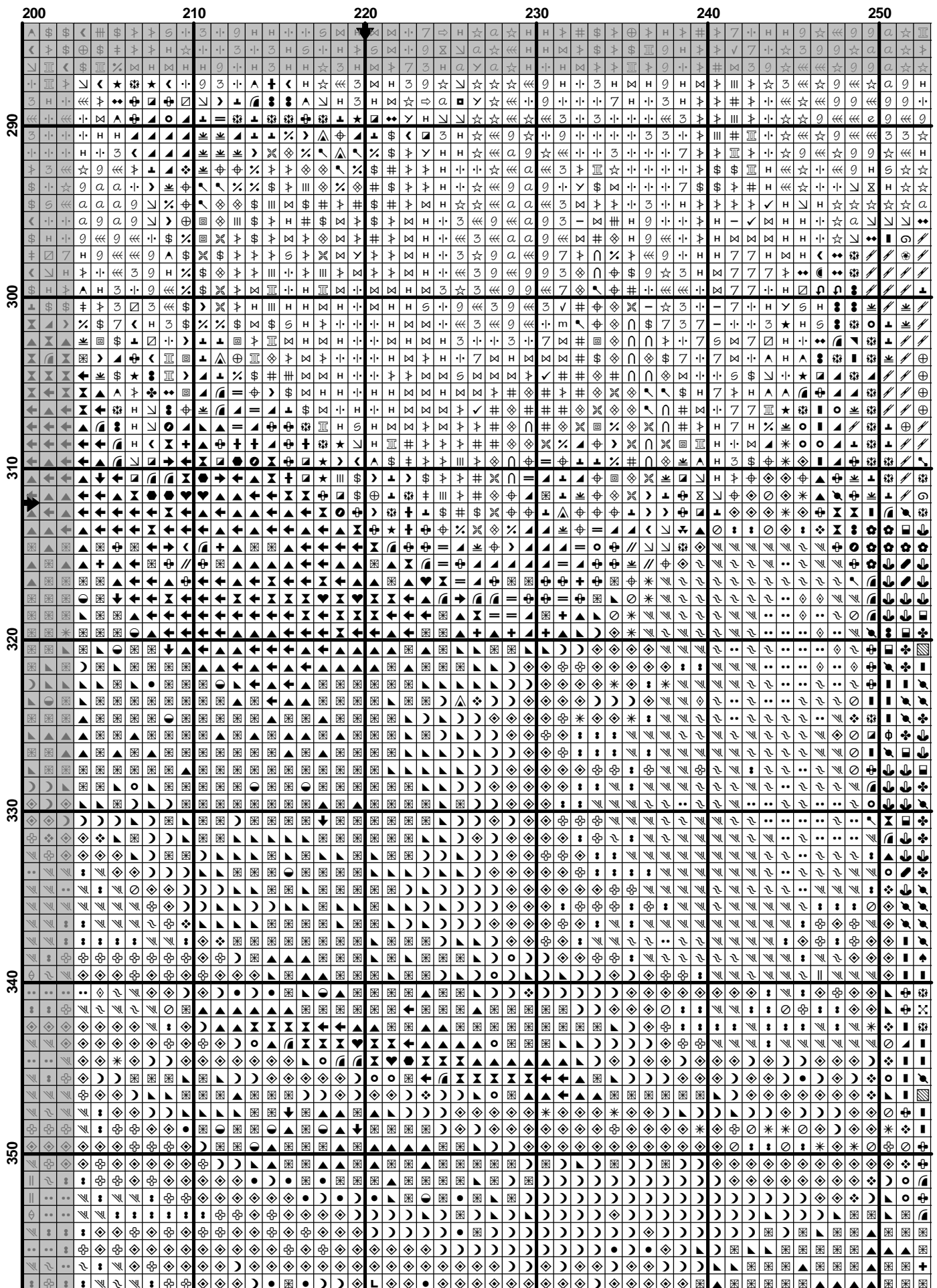
(45)

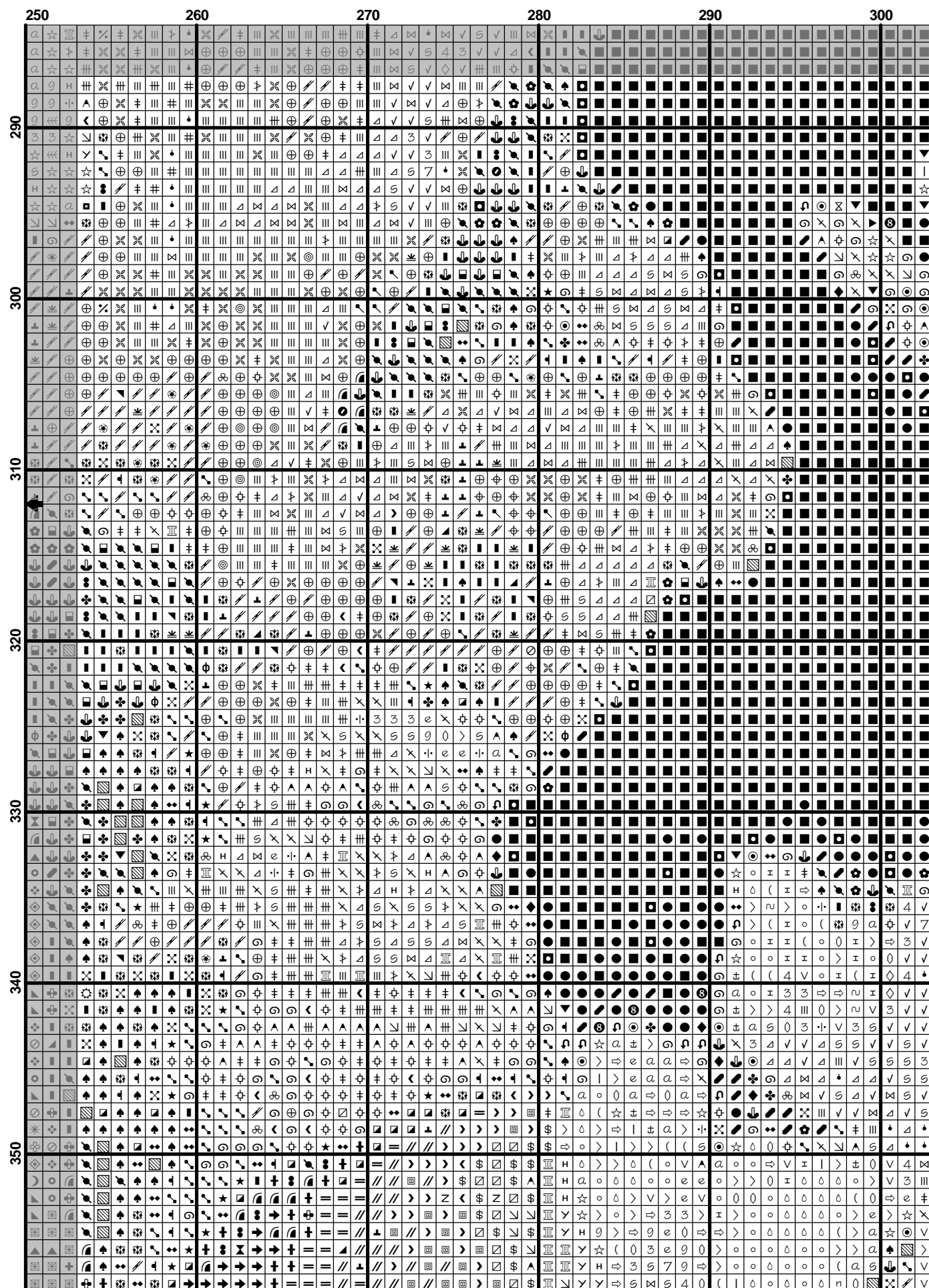


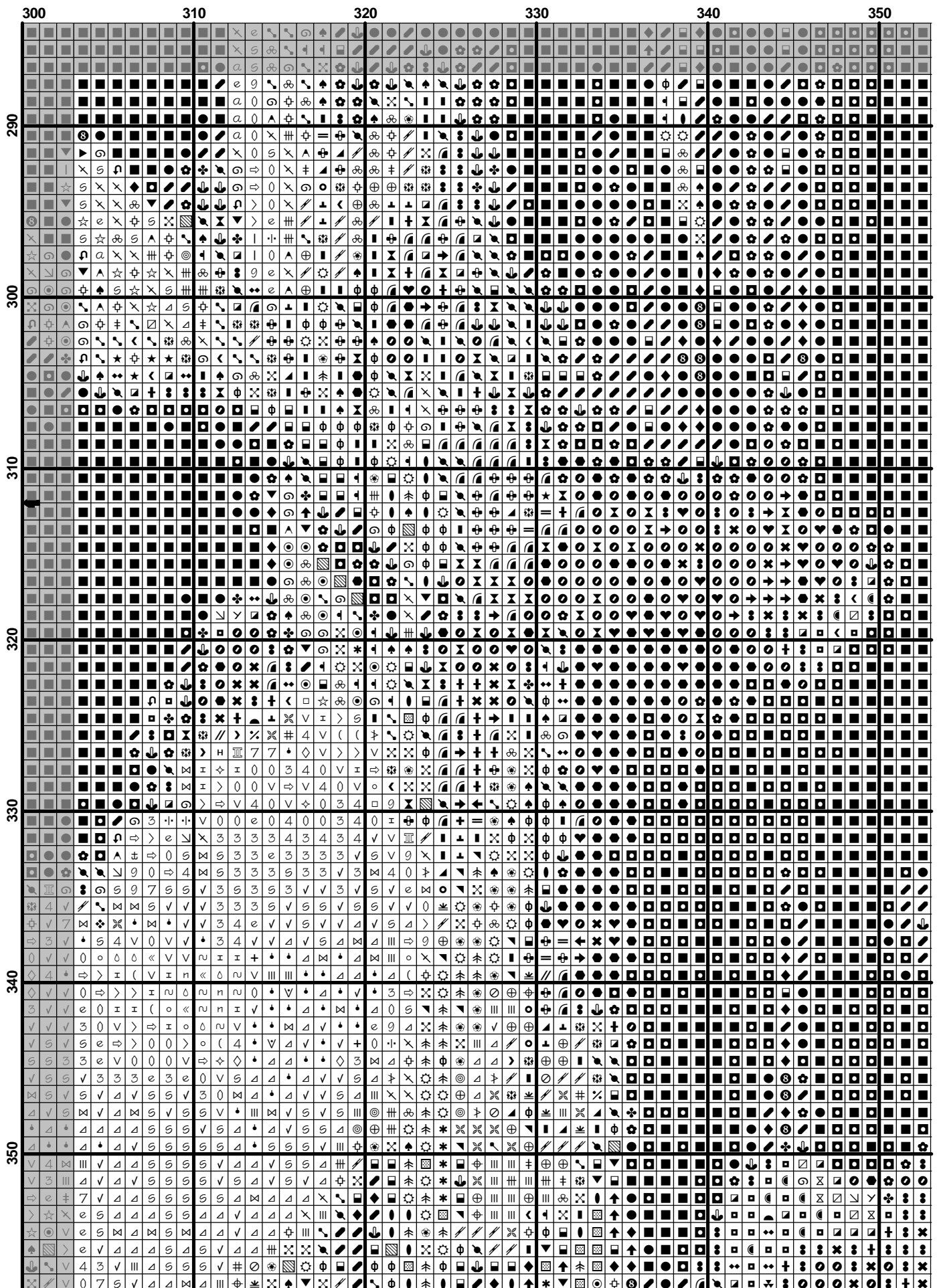
(48)

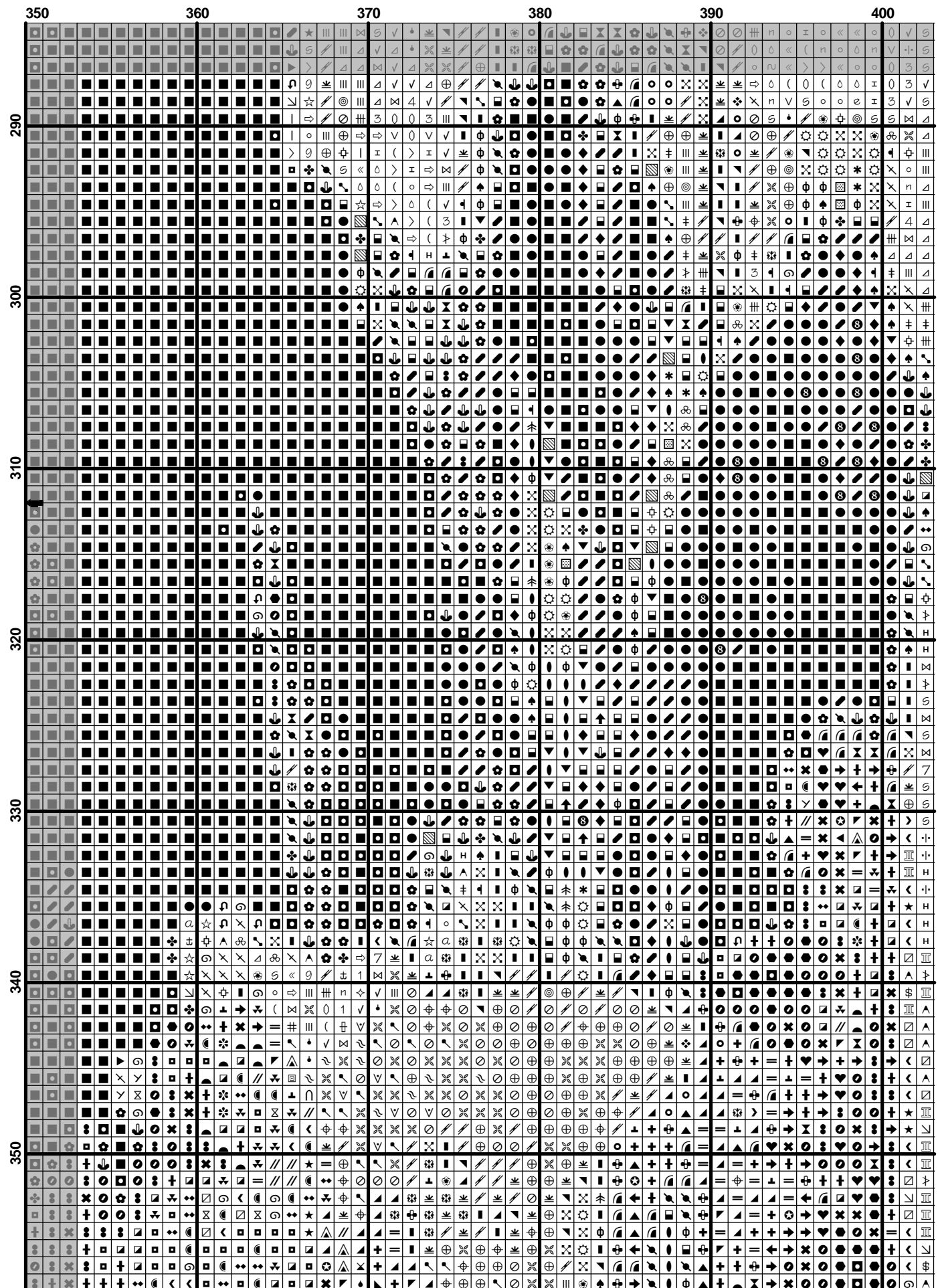
(49)

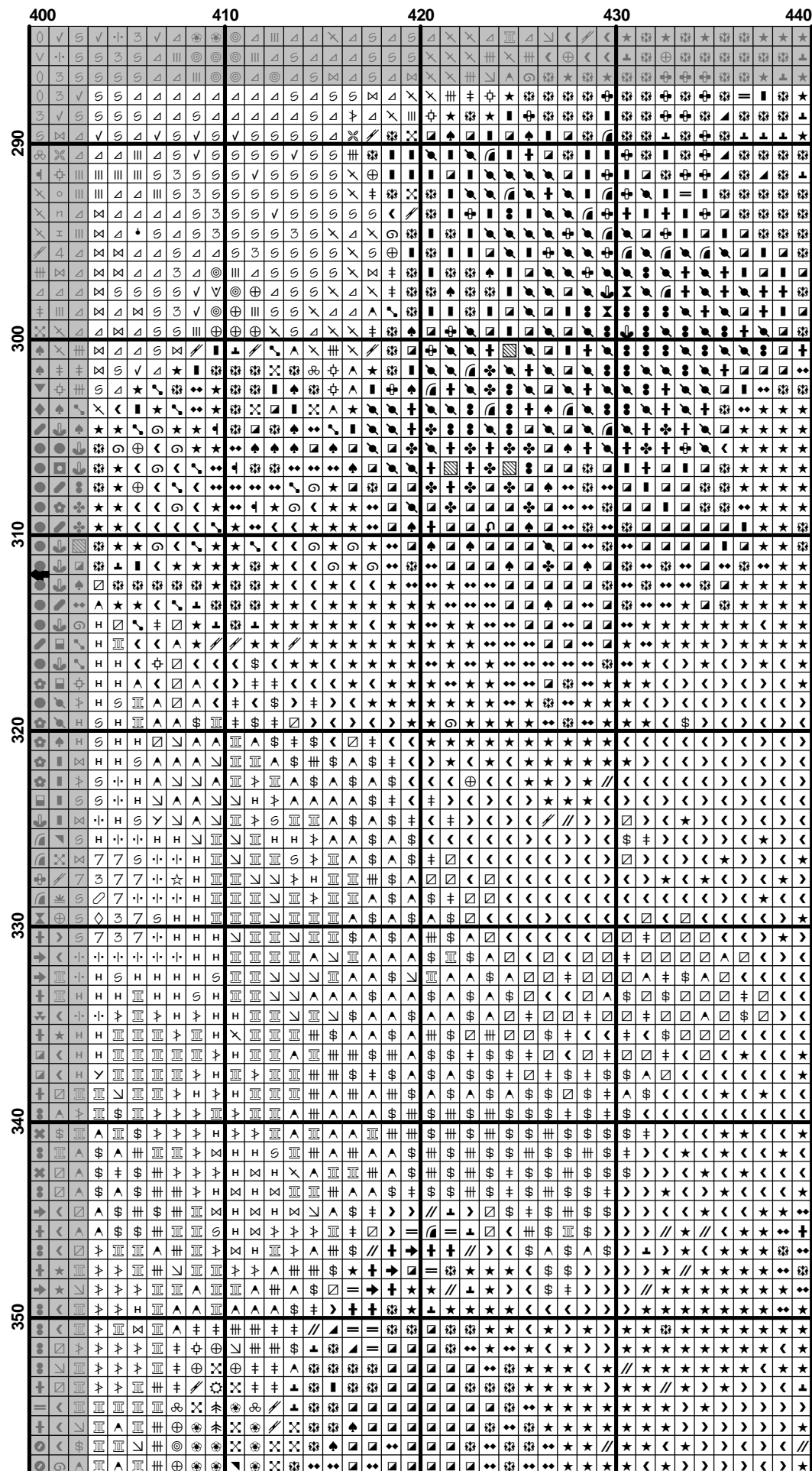


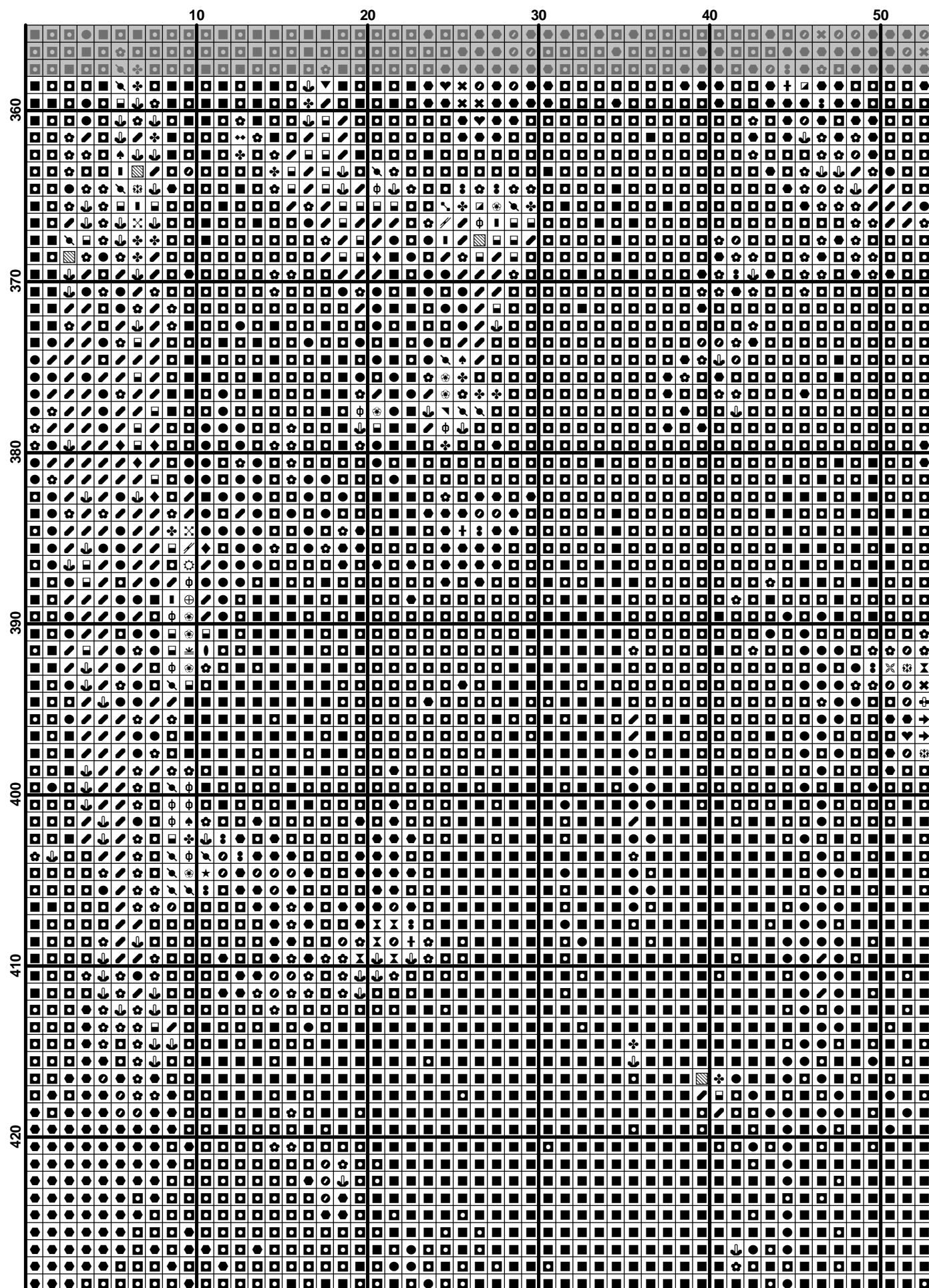


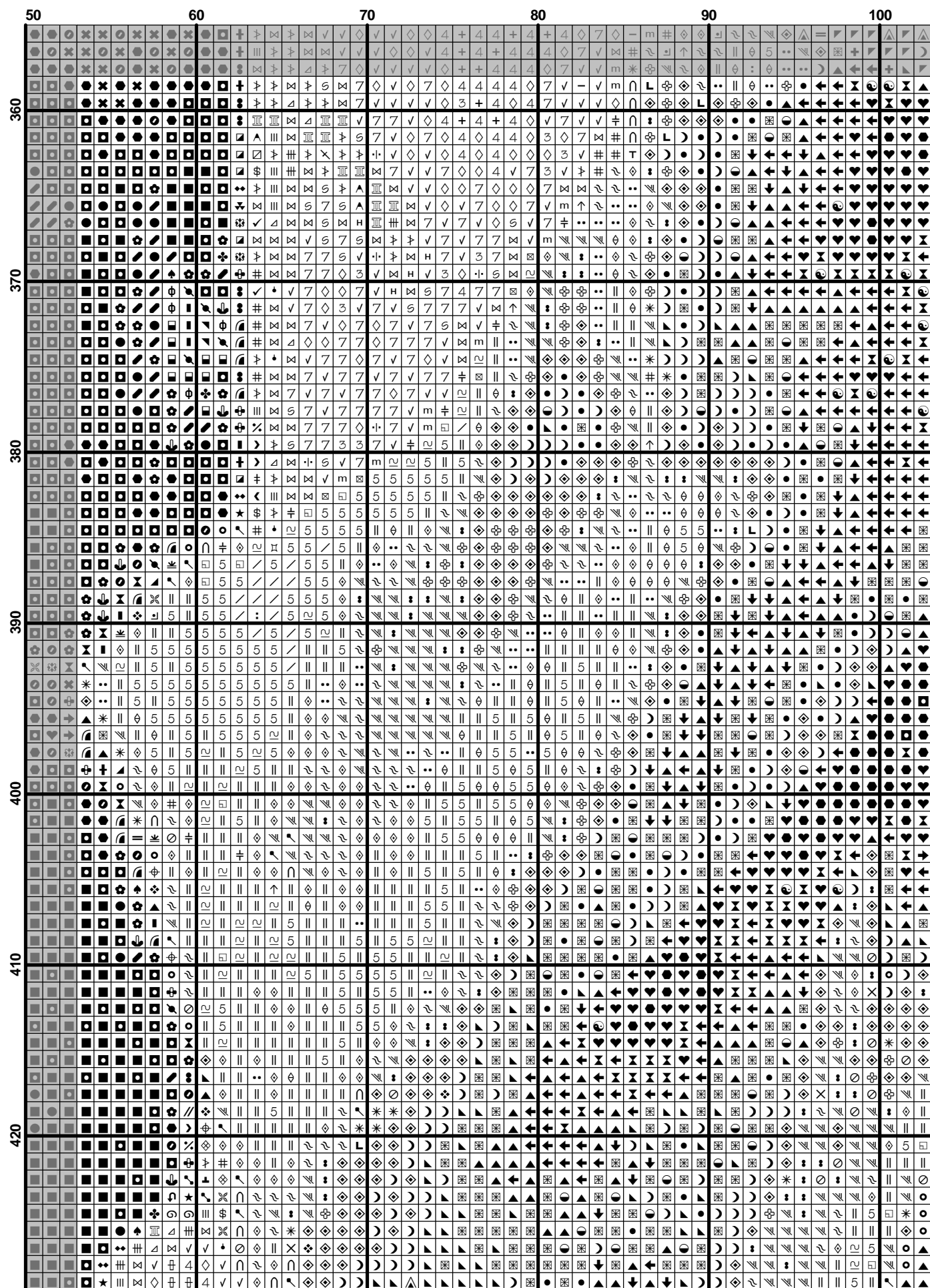








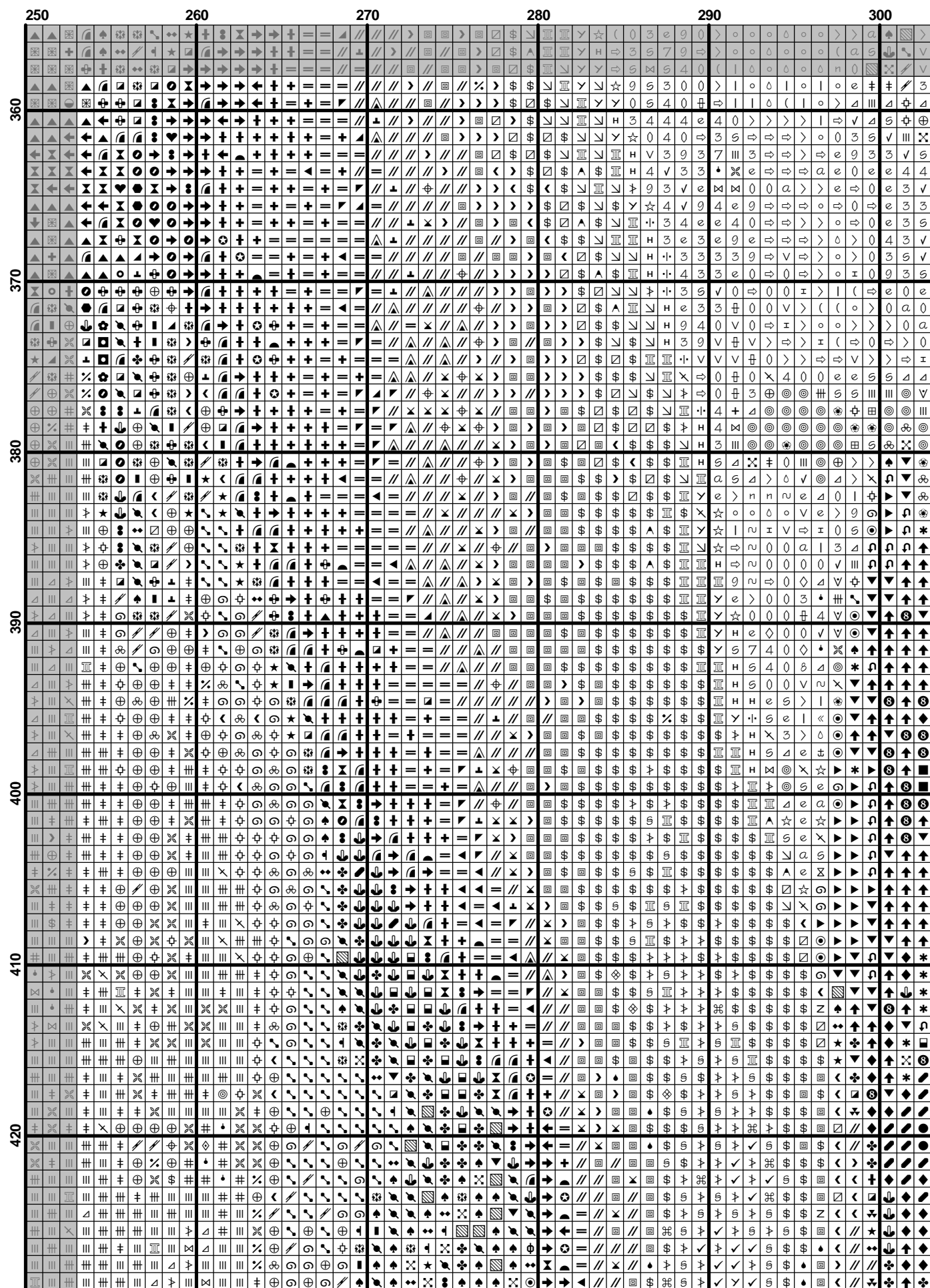


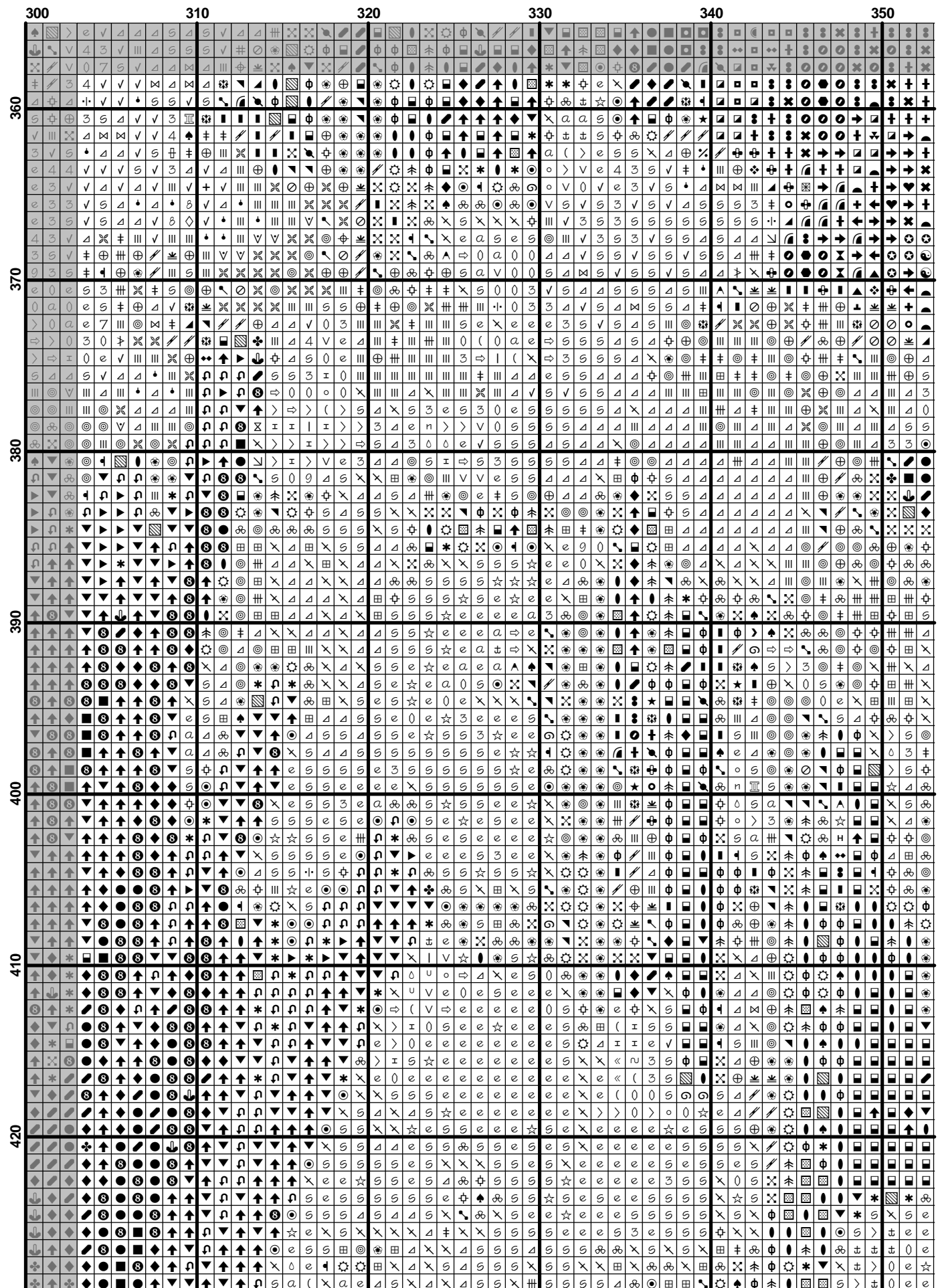


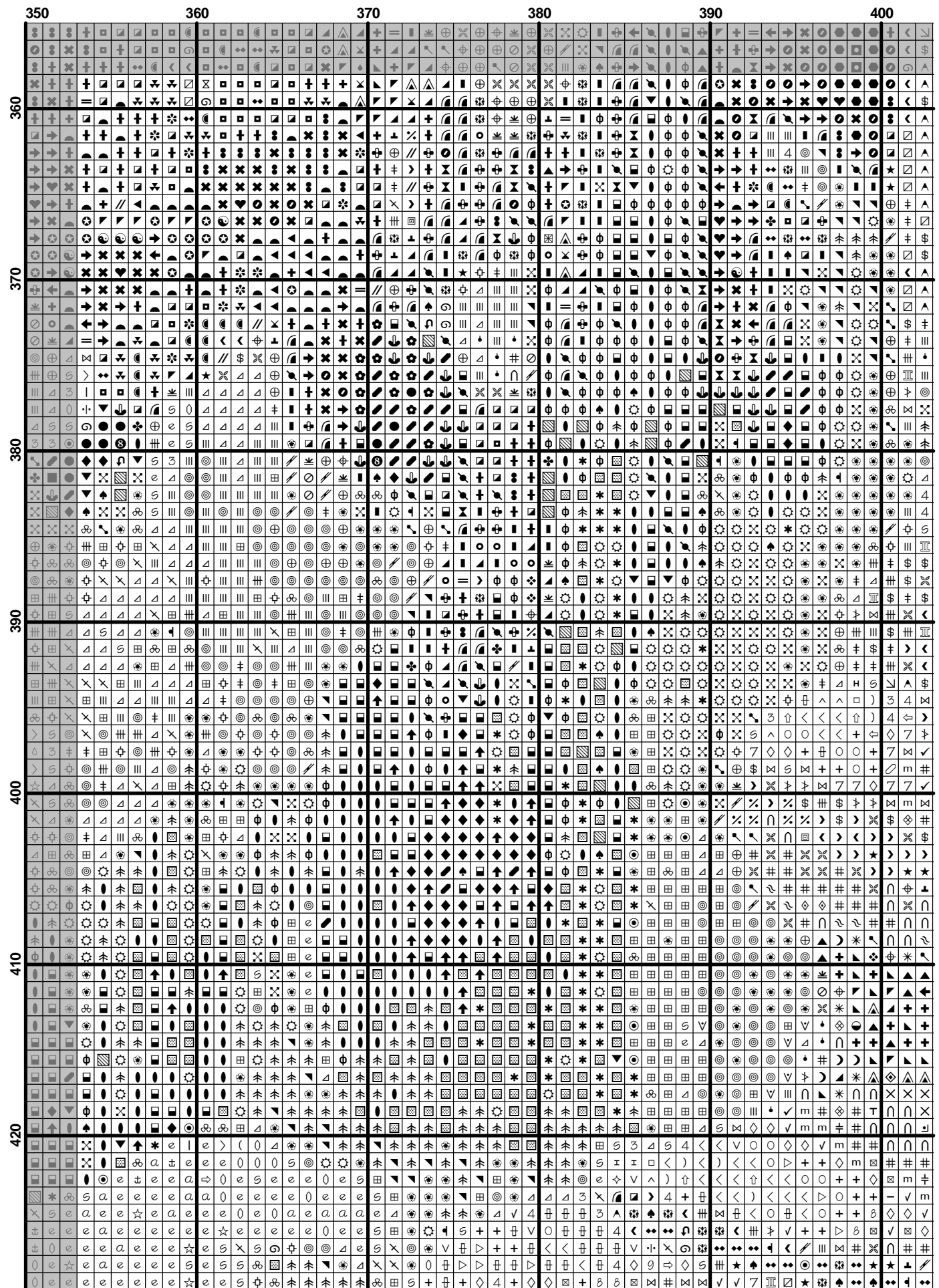
[illegible]

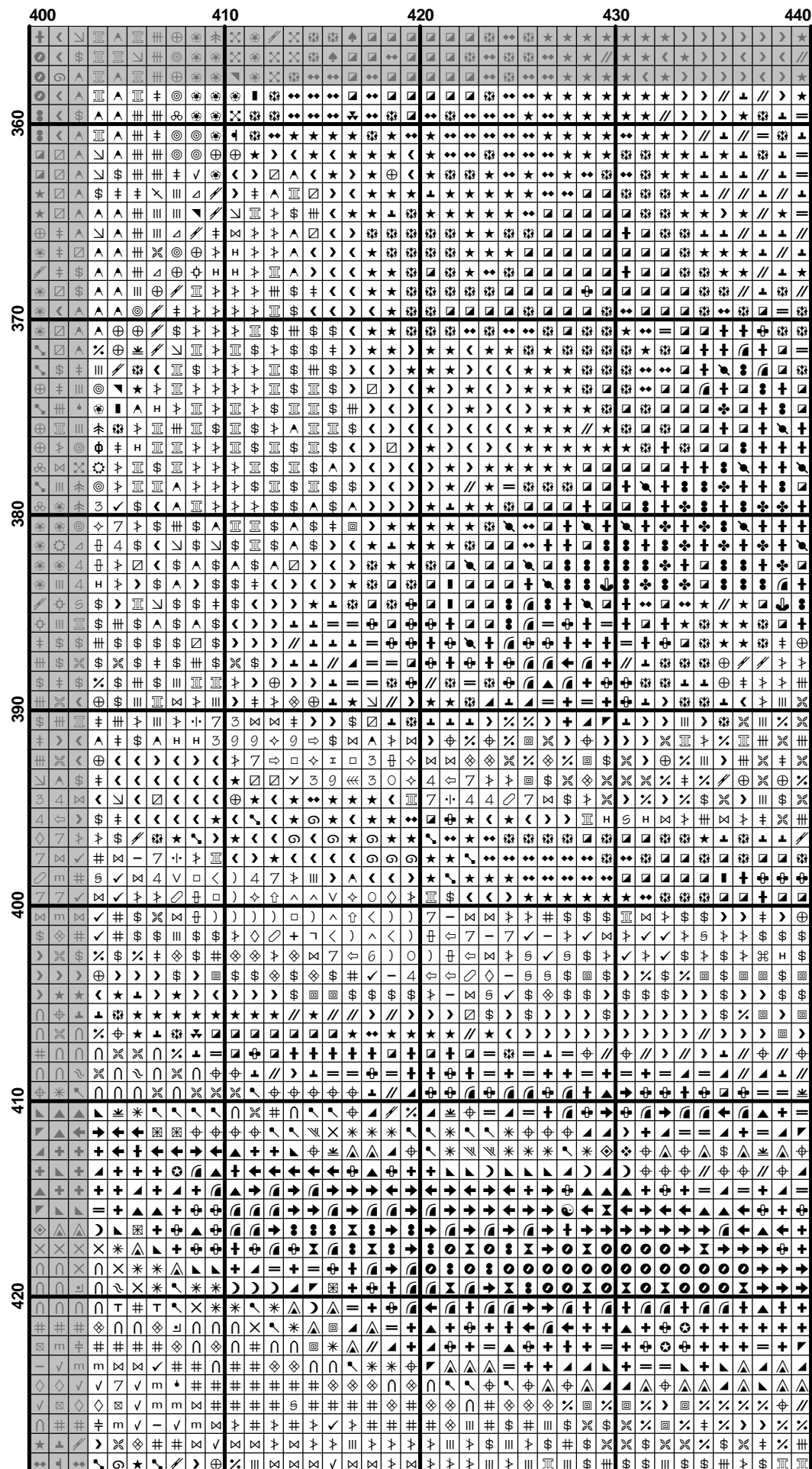
	150	160	170	180	190	200
360						
370						
380						
390						
400						
410						
420						

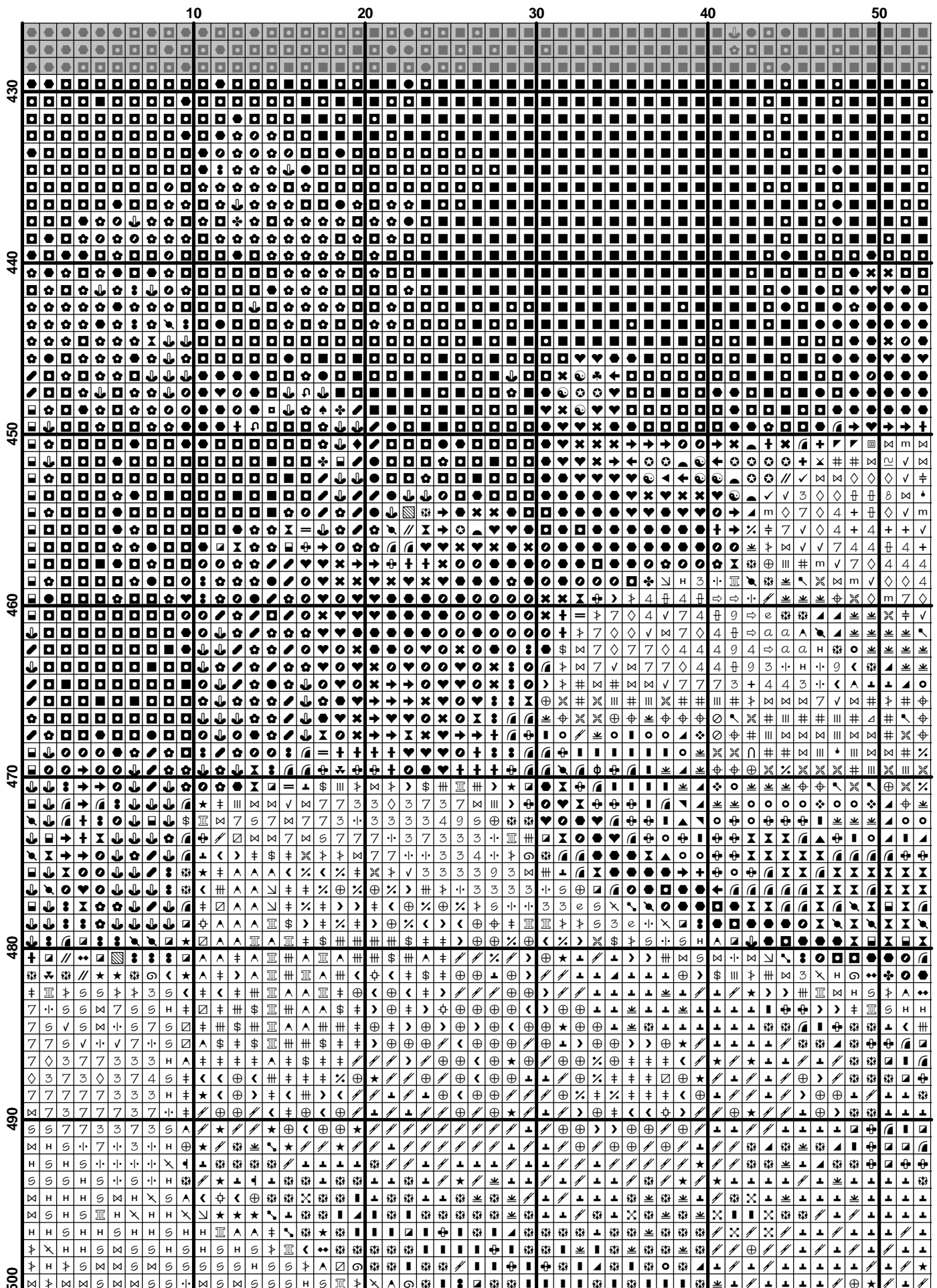
(60)

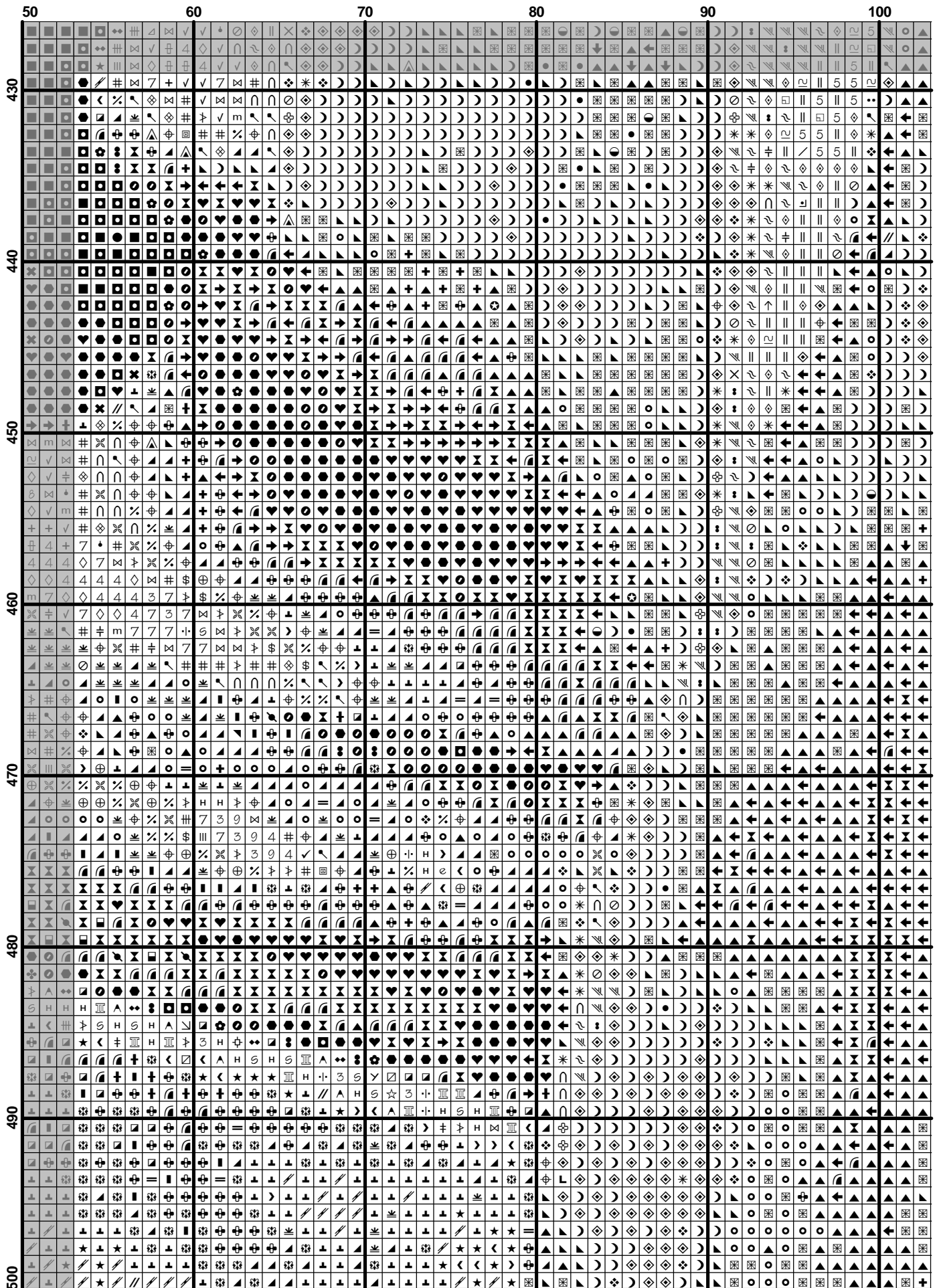












	100	110	120	130	140	150
430	△	△	△	△	△	△
440	△	△	△	△	△	△
450	△	△	△	△	△	△
460	△	△	△	△	△	△
470	△	△	△	△	△	△
480	△	△	△	△	△	△
490	△	△	△	△	△	△
500	△	△	△	△	△	△

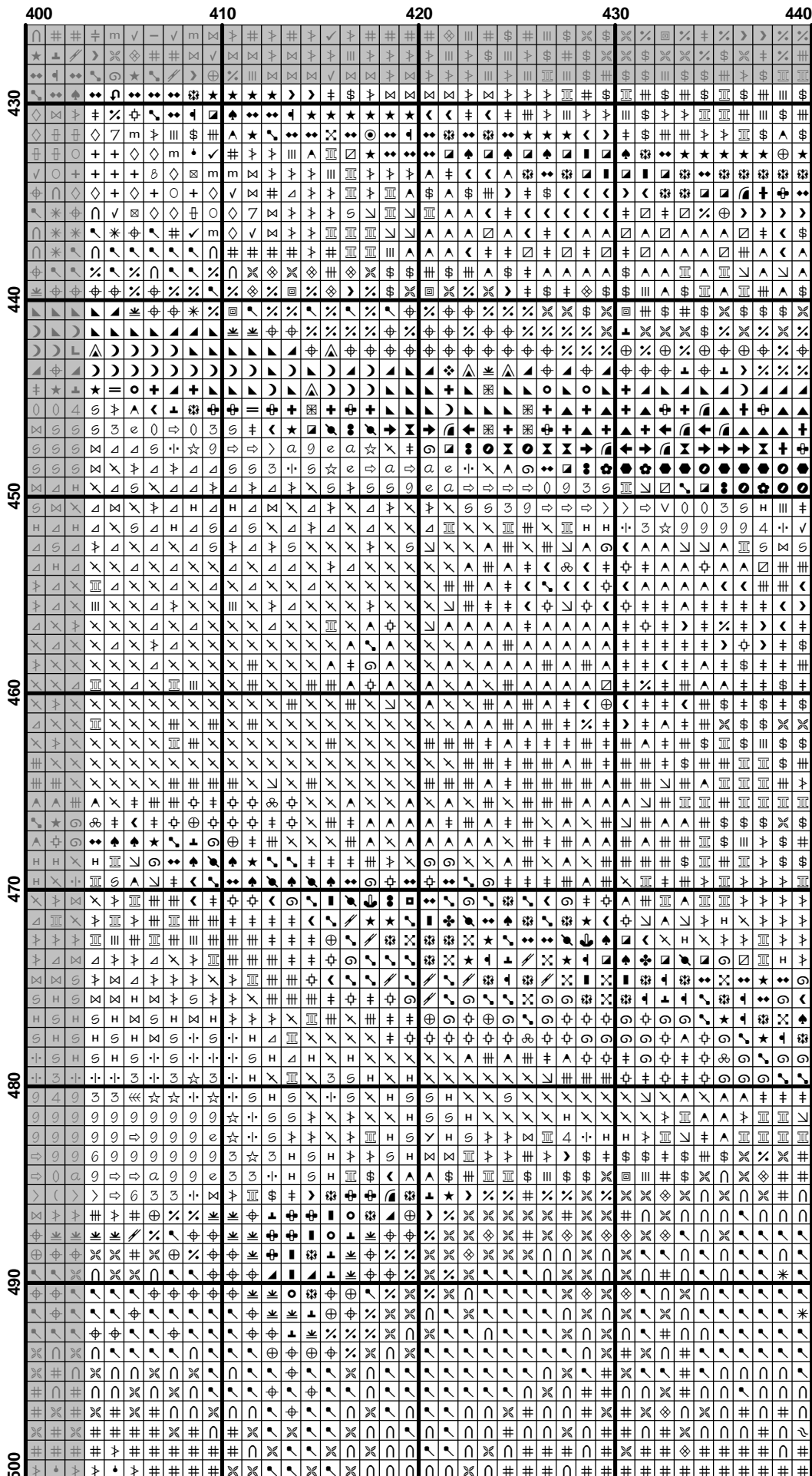
$$(67) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

$$(68) \quad \begin{aligned} & \text{[The } \langle \text{N} \rangle \text{ is a } \langle \text{N} \rangle \text{]} \\ & \text{[The } \langle \text{N} \rangle \text{ is a } \langle \text{N} \rangle \text{]} \end{aligned} \quad (69)$$

(70)

	300	310	320	330	340	350
430						
440						
450						
460						
470						
480						
490						
500						

[illegible]



[illegible]

(75)

	110										120										130										140										150									
500	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
510	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
520	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
530	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
540	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
550	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
560	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									
570	[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]										[Complex Symbols]									

[illegible]

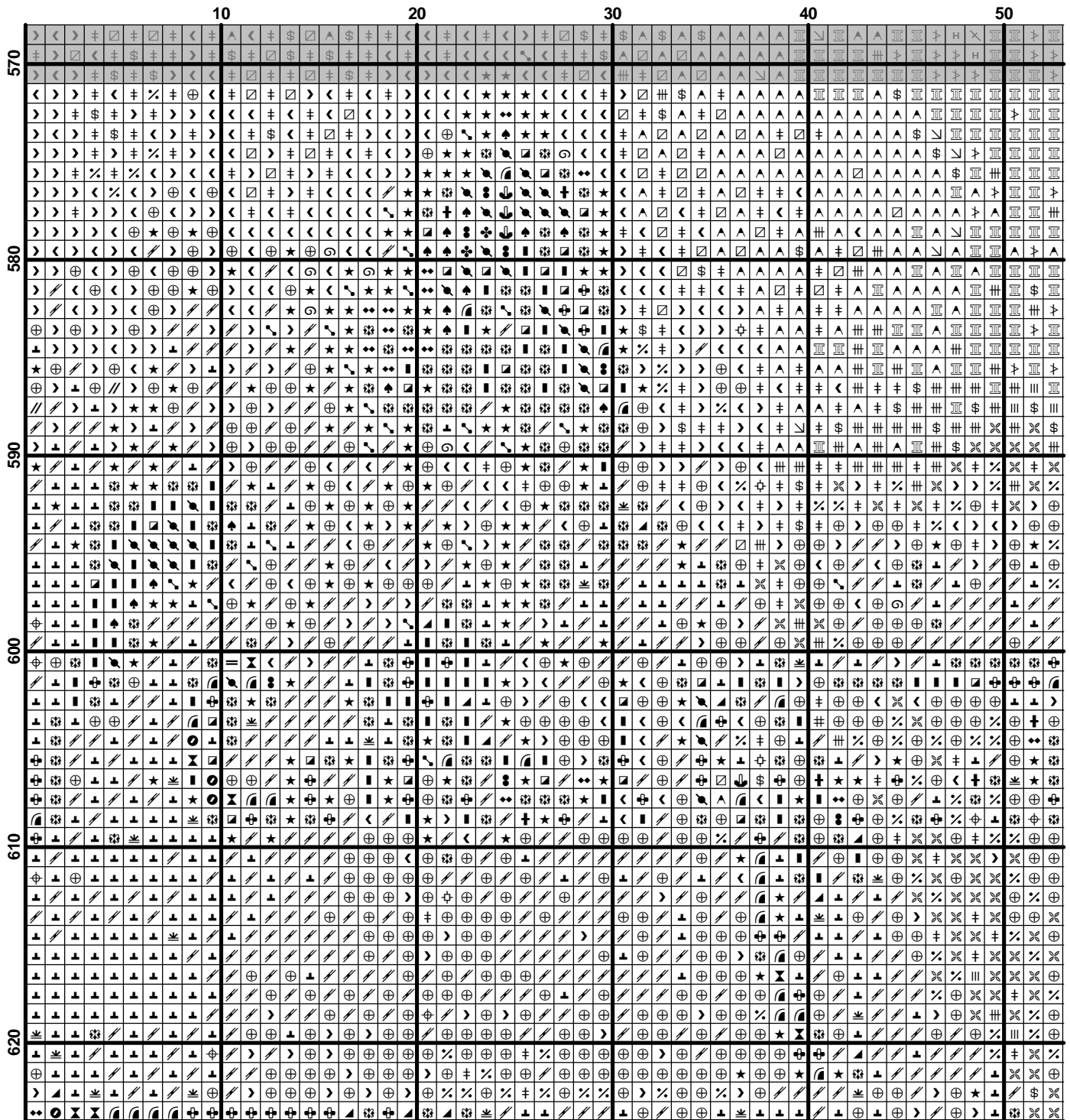
(78)

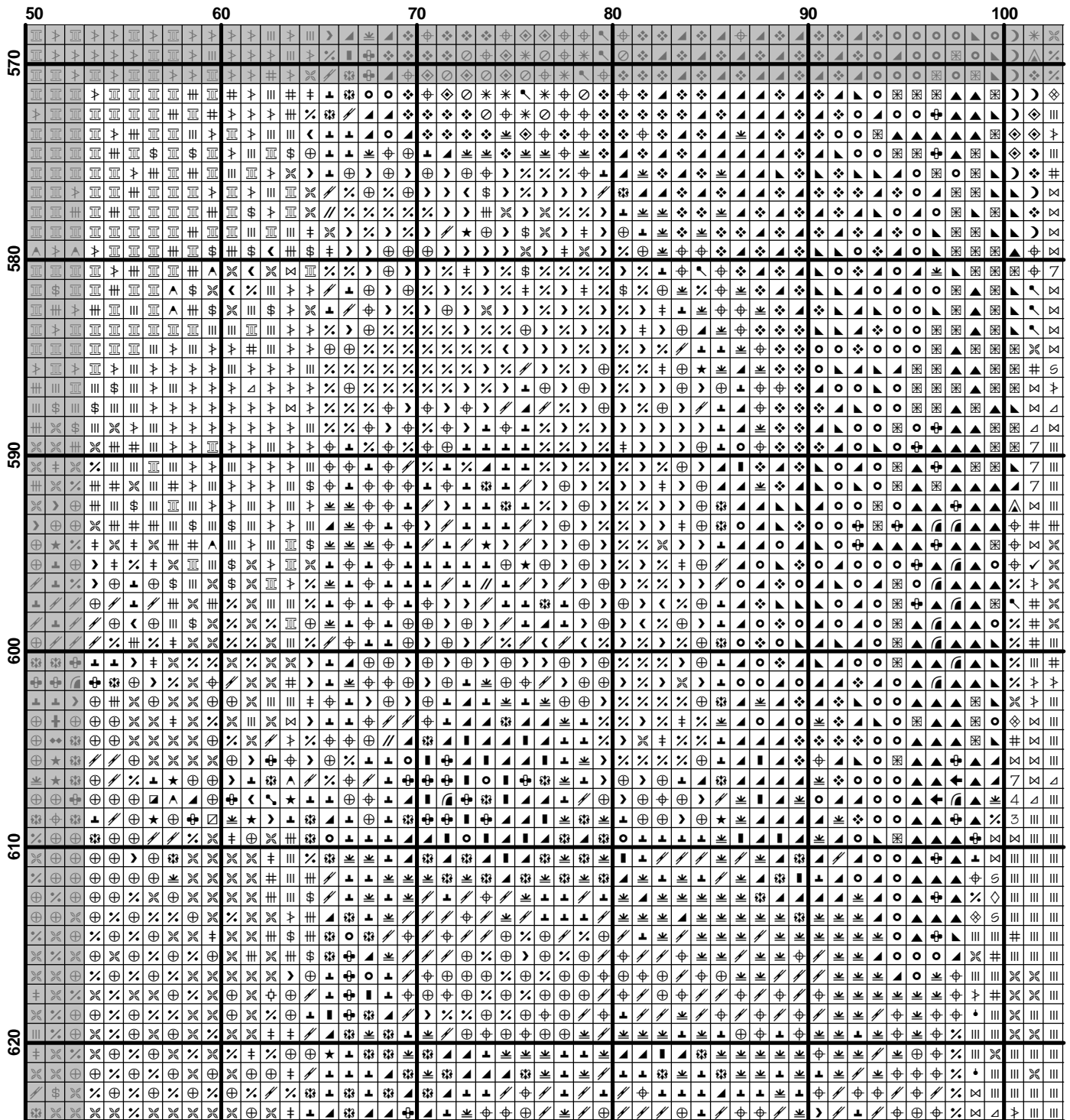
[illegible]

(80)

$$(80) \quad \mathcal{L}(\mathcal{A}) \subseteq \mathcal{L}(\mathcal{B}) \iff \mathcal{A} \subseteq \mathcal{B} \quad (81)$$

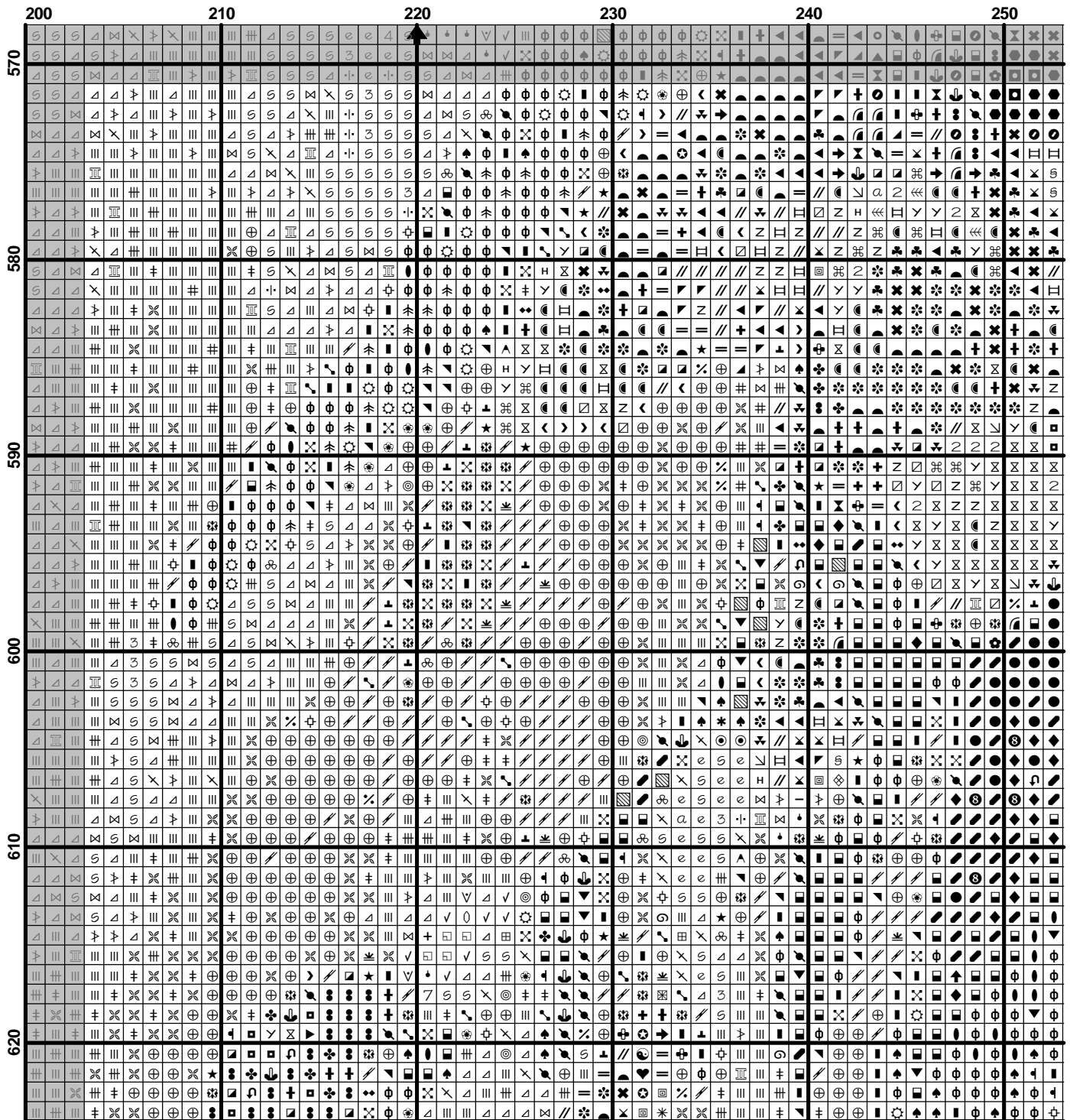
(81)

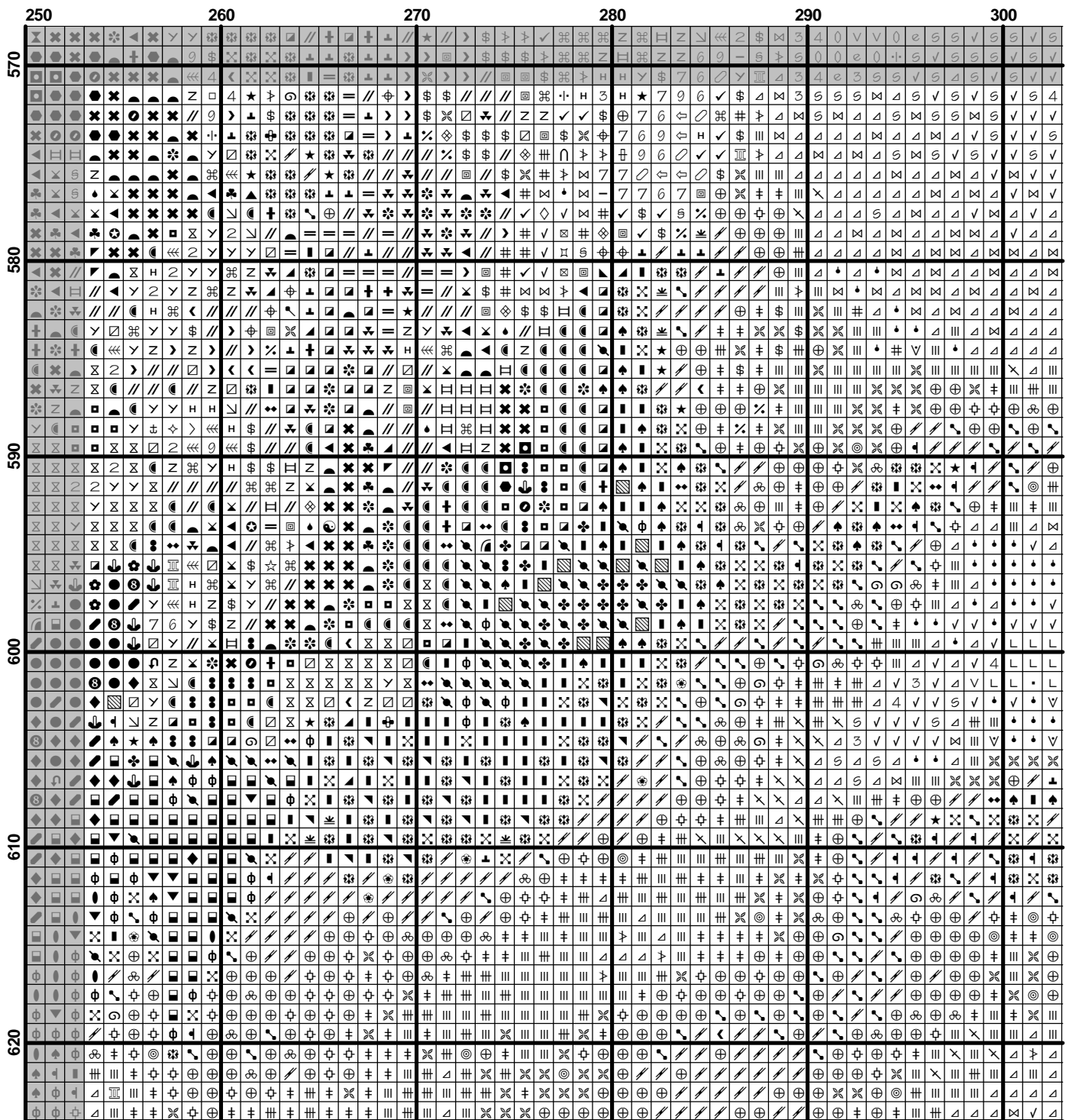




	100	110	120	130	140	150
570	☾	☾	☾	☾	☾	☾
580	☾	☾	☾	☾	☾	☾
590	☾	☾	☾	☾	☾	☾
600	☾	☾	☾	☾	☾	☾
610	☾	☾	☾	☾	☾	☾
620	☾	☾	☾	☾	☾	☾

[illegible]





	300	310	320	330	340	350
570	5	5	5	5	5	5
580	5	5	5	5	5	5
590	5	5	5	5	5	5
600	5	5	5	5	5	5
610	5	5	5	5	5	5
620	5	5	5	5	5	5

	350	360	370	380	390	400
570						
580						
590						
600						
610						
620						

[illegible]