

1096 Young Woman in a Boat



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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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Young Woman in a Boat

Stitch Count	
Horizontal:	410
Vertical:	297

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:	75	29.25	54	21.21	65	25.59	48	18.56	58	22.75	42	16.5
Including Margins:	91	36	70	28	81	32	64	25	74	29	58	23
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	105	40.95	75	29.69	87	34.12	63	24.74	43	17.06	31	12.37
Including Margins:	121	47	91	36	103	41	79	31	59	24	47	19
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	42	16.38	30	11.87	40	15.75	29	11.42	38	15.16	28	10.99
Including Margins:	58	23	46	18	56	22	45	18	54	22	44	17
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	37	14.62	27	10.6	35	13.65	25	9.89	32	12.79	23	9.27
Including Margins:	53	21	43	17	51	20	41	16	48	19	39	16

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
u	1	White 1
⦿	369	Pistachio Green-VY LT
⦿	370	Mustard-MD
⦿	371	Mustard
⦿	420	Hazelnut Brown-DK
⦿	433	Brown-MD
⦿	435	Brown-VY LT
⦿	436	Tan
⦿	437	Tan-LT
⦿	451	Shell Gray-DK
⦿	522	Fern Green
⦿	523	Fern Green-LT
⦿	524	Fern Green-VY LT
⦿	543	Beige Brown-UL VY LT
⦿	554	Violet-LT
⦿	610	Drab Brown-DK
⦿	611	Drab Brown
⦿	613	Drab Brown-VY LT
⦿	632	Desert Sand-UL VY DK
⦿	640	Beige Gray-VY DK
⦿	642	Beige Gray-DK
⦿	648	Beaver Gray-LT
⦿	680	Old Gold-DK
⦿	712	Cream
⦿	725	Topaz
⦿	726	Topaz-LT
⦿	733	Olive Green-MD
⦿	734	Olive Green-LT
⦿	739	Tan-UL VY LT
⦿	743	Yellow-MD
⦿	744	Yellow-Pale
⦿	745	Yellow-LT Pale
⦿	746	Off White
⦿	780	Topaz-UL VY DK
⦿	783	Topaz-MD
⦿	801	Coffee Brown-DK
⦿	829	Golden Olive-VY DK
⦿	830	Golden Olive-DK
⦿	831	Golden Olive-MD

⦿	832	Golden Olive
⦿	833	Golden Olive-LT
⦿	834	Golden Olive-VY LT
⦿	869	Hazelnut Brown-VY DK
⦿	898	Coffee Brown-VY DK
⦿	934	Black Avocado Green
⦿	935	Avocado Green-DK
⦿	936	Avocado Green-VY DK
⦿	938	Coffee Brown-UL DK
⦿	976	Golden Brown-MD
⦿	3011	Khaki Green-DK
⦿	3021	Brown Gray-VY DK
⦿	3022	Brown Gray-MD
⦿	3024	Brown Gray-VY LT
⦿	3032	Mocha Brown-MD
⦿	3045	Yellow Beige-DK
⦿	3046	Yellow Beige-MD
⦿	3051	Green Gray-DK
⦿	3052	Green Gray-MD
⦿	3078	Golden Yellow-VY LT
⦿	3362	Pine Green-DK
⦿	3371	Black Brown
⦿	3740	Antique Violet-DK
⦿	3756	Baby Blue-UL VY LT
⦿	3781	Mocha Brown-DK
⦿	3782	Mocha Brown-LT
⦿	3787	Brown Gray-DK
⦿	3799	Pewter Gray-VY DK
⦿	3820	Straw-DK
⦿	3822	Straw-LT
⦿	3823	Yellow-UL Pale
⦿	3825	Pumpkin-Pale
⦿	3828	Hazelnut Brown
⦿	3829	Old Gold-VY DK
⦿	3855	Autumn Gold-LT
⦿	3856	Mahogany-UL VY LT
⦿	3861	Cocoa-LT
⦿	3862	Mocha Beige-DK
⦿	3863	Mocha Beige-MD
⦿	3865	Winter White
⦿	3866	Mocha Brown-UL VY 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
●	839	Beige Brown-DK	3790	Beige Gray-UL DK
✿	937	Avocado Green-MD	3781	Mocha Brown-DK
⬢	934	Black Avocado Green	935	Avocado Green-DK
◇	611	Drab Brown	3011	Khaki Green-DK
➤	640	Beige Gray-VY DK	3363	Pine Green-MD
▲	3828	Hazelnut Brown	612	Drab Brown-LT
❖	3346	Hunter Green	3787	Brown Gray-DK
//	3346	Hunter Green	3790	Beige Gray-UL DK
L	3052	Green Gray-MD	3787	Brown Gray-DK
○	3362	Pine Green-DK	3787	Brown Gray-DK
◊	819	Baby Pink-LT	3865	Winter White
⌘	819	Baby Pink-LT	3756	Baby Blue-UL VY LT
∞	3756	Baby Blue-UL VY LT	3865	Winter White
⬆	3011	Khaki Green-DK	3346	Hunter Green
⊠	611	Drab Brown	3347	Yellow Green-MD
⊗	3347	Yellow Green-MD	3790	Beige Gray-UL DK
■	934	Black Avocado Green	3371	Black Brown
▴	3346	Hunter Green	839	Beige Brown-DK
⊞	3781	Mocha Brown-DK	580	Moss Green-DK
⊕	433	Brown-MD	869	Hazelnut Brown-VY DK
■	645	Beaver Gray-VY DK	936	Avocado Green-VY DK
♣	936	Avocado Green-VY DK	3781	Mocha Brown-DK
⊙	611	Drab Brown	371	Mustard
⬆	610	Drab Brown-DK	611	Drab Brown
▲	936	Avocado Green-VY DK	839	Beige Brown-DK
✕	780	Topaz-UL VY DK	3829	Old Gold-VY DK
⌞	420	Hazelnut Brown-DK	780	Topaz-UL VY DK
⇒	371	Mustard	522	Fern Green
⊕	680	Old Gold-DK	780	Topaz-UL VY DK
=	745	Yellow-LT Pale	945	Tawny
♠	680	Old Gold-DK	3826	Golden Brown
Ⓢ	413	Pewter Gray-DK	829	Golden Olive-VY DK
⊗	611	Drab Brown	3346	Hunter Green
▲	3011	Khaki Green-DK	3787	Brown Gray-DK
◇	307	Lemon	726	Topaz-LT
⸍	3363	Pine Green-MD	3790	Beige Gray-UL DK
∅	435	Brown-VY LT	3862	Mocha Beige-DK
✱	832	Golden Olive	3011	Khaki Green-DK
2	725	Topaz	729	Old Gold-MD
◀	3011	Khaki Green-DK	3051	Green Gray-DK
●	938	Coffee Brown-UL DK	3371	Black Brown
▶	3740	Antique Violet-DK	535	Ash Gray-VY LT
♡	3823	Yellow-UL Pale	3824	Apricot-LT
∞	746	Off White	3823	Yellow-UL Pale
Z	3828	Hazelnut Brown	420	Hazelnut Brown-DK
⇐	738	Tan-VY LT	3823	Yellow-UL Pale
::	3856	Mahogany-UL VY LT	738	Tan-VY LT
	3078	Golden Yellow-VY LT	3823	Yellow-UL Pale
⊙	3051	Green Gray-DK	3022	Brown Gray-MD
⋯	3022	Brown Gray-MD	3787	Brown Gray-DK
✱	3051	Green Gray-DK	3790	Beige Gray-UL DK
∞	3031	Mocha Brown-VY DK	3051	Green Gray-DK

➔	3051	Green Gray-DK	935	Avocado Green-DK
⚠	434	Brown-LT	831	Golden Olive-MD
⊕	420	Hazelnut Brown-DK	832	Golden Olive
?	935	Avocado Green-DK	936	Avocado Green-VY DK
⊕	936	Avocado Green-VY DK	3362	Pine Green-DK
7	3855	Autumn Gold-LT	437	Tan-LT
❖	3781	Mocha Brown-DK	3787	Brown Gray-DK
н	437	Tan-LT	738	Tan-VY LT
←	934	Black Avocado Green	610	Drab Brown-DK
⌵	783	Topaz-MD	833	Golden Olive-LT
⊕	829	Golden Olive-VY DK	936	Avocado Green-VY DK
✕	936	Avocado Green-VY DK	938	Coffee Brown-UL DK
❖	829	Golden Olive-VY DK	420	Hazelnut Brown-DK
↑	3051	Green Gray-DK	938	Coffee Brown-UL DK
⊕	610	Drab Brown-DK	936	Avocado Green-VY DK
▲	3011	Khaki Green-DK	898	Coffee Brown-VY DK
◆	801	Coffee Brown-DK	938	Coffee Brown-UL DK
●	935	Avocado Green-DK	938	Coffee Brown-UL DK
III	524	Fern Green-VY LT	3023	Brown Gray-LT
/	3855	Autumn Gold-LT	3856	Mahogany-UL VY LT
⌵	739	Tan-UL VY LT	613	Drab Brown-VY LT
↘	3827	Golden Brown-Pale	436	Tan
♣	3856	Mahogany-UL VY LT	437	Tan-LT
4	3855	Autumn Gold-LT	3824	Apricot-LT
6	642	Beige Gray-DK	3023	Brown Gray-LT
0	744	Yellow-Pale	3822	Straw-LT
⊕	3825	Pumpkin-Pale	3855	Autumn Gold-LT
1	1	White 1	3865	Winter White
☉	3781	Mocha Brown-DK	632	Desert Sand-UL VY DK
❖	3862	Mocha Beige-DK	610	Drab Brown-DK
✱	3011	Khaki Green-DK	3362	Pine Green-DK
♠	610	Drab Brown-DK	3051	Green Gray-DK
↓	3031	Mocha Brown-VY DK	936	Avocado Green-VY DK
√	369	Pistachio Green-VY LT	648	Beaver Gray-LT
¢	801	Coffee Brown-DK	936	Avocado Green-VY DK
+	433	Brown-MD	610	Drab Brown-DK
©	829	Golden Olive-VY DK	632	Desert Sand-UL VY DK
▷	745	Yellow-LT Pale	3855	Autumn Gold-LT
5	3825	Pumpkin-Pale	745	Yellow-LT Pale
3	437	Tan-LT	3078	Golden Yellow-VY LT
⊕	3825	Pumpkin-Pale	437	Tan-LT
⌵	3825	Pumpkin-Pale	3045	Yellow Beige-DK
✱	522	Fern Green	3045	Yellow Beige-DK
○	725	Topaz	833	Golden Olive-LT
†	368	Pistachio Green-LT	648	Beaver Gray-LT
⊕	356	Terra Cotta-MD	3862	Mocha Beige-DK
♠	869	Hazelnut Brown-VY DK	780	Topaz-UL VY DK
—	743	Yellow-MD	3820	Straw-DK
☆	743	Yellow-MD	834	Golden Olive-VY LT
≡	356	Terra Cotta-MD	780	Topaz-UL VY DK
♠	938	Coffee Brown-UL DK	3787	Brown Gray-DK
↑	834	Golden Olive-VY LT	3825	Pumpkin-Pale
:	3824	Apricot-LT	745	Yellow-LT Pale
e	738	Tan-VY LT	745	Yellow-LT Pale
♠	3011	Khaki Green-DK	839	Beige Brown-DK

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	
1	White 1	760	299	724	285	652	256
307	Lemon	3	1	2	1	2	1
356	Terra Cotta-MD	12	4	11	4	10	3
368	Pistachio Green-LT	45	17	43	16	39	15
369	Pistachio Green-VY LT	99	38	94	37	85	33
370	Mustard-MD	153	60	145	57	131	51
371	Mustard	317	124	302	118	272	107
413	Pewter Gray-DK	256	100	244	96	219	86
420	Hazelnut Brown-DK	319	125	304	119	273	107
433	Brown-MD	165	64	157	61	142	55
434	Brown-LT	64	25	61	24	55	21
435	Brown-VY LT	78	30	74	29	67	26
436	Tan	79	31	75	29	68	26
437	Tan-LT	160	62	152	59	137	53
451	Shell Gray-DK	8	3	8	3	7	2
522	Fern Green	275	108	262	103	235	92
523	Fern Green-LT	176	69	167	65	151	59
524	Fern Green-VY LT	377	148	359	141	323	127
535	Ash Gray-VY LT	2	1	2	1	1	1
543	Beige Brown-UL VY LT	151	59	144	56	129	50
554	Violet-LT	2	1	2	1	2	1
580	Moss Green-DK	144	56	138	54	124	48
610	Drab Brown-DK	1416	557	1349	531	1214	477
611	Drab Brown	666	262	634	249	571	224
612	Drab Brown-LT	51	20	48	18	43	16
613	Drab Brown-VY LT	216	85	205	80	185	72
632	Desert Sand-UL VY DK	77	30	73	28	66	25
640	Beige Gray-VY DK	141	55	134	52	121	47
642	Beige Gray-DK	176	69	168	66	151	59
645	Beaver Gray-VY DK	311	122	296	116	266	104
648	Beaver Gray-LT	463	182	441	173	397	156
680	Old Gold-DK	80	31	76	29	69	27
712	Cream	176	69	168	66	151	59
725	Topaz	125	49	119	46	107	42
726	Topaz-LT	33	12	32	12	29	11
729	Old Gold-MD	32	12	30	11	27	10
733	Olive Green-MD	53	20	50	19	45	17
734	Olive Green-LT	132	51	125	49	113	44
738	Tan-VY LT	98	38	93	36	84	33
739	Tan-UL VY LT	110	43	105	41	94	37
743	Yellow-MD	158	62	151	59	136	53
744	Yellow-Pale	65	25	62	24	56	22
745	Yellow-LT Pale	113	44	108	42	97	38
746	Off White	235	92	224	88	201	79
780	Topaz-UL VY DK	90	35	86	33	77	30
783	Topaz-MD	43	16	41	16	37	14
801	Coffee Brown-DK	409	161	389	153	350	137
819	Baby Pink-LT	129	50	123	48	111	43
829	Golden Olive-VY DK	649	255	618	243	556	218
830	Golden Olive-DK	208	81	198	77	178	70
831	Golden Olive-MD	185	72	176	69	158	62
832	Golden Olive	209	82	199	78	179	70
833	Golden Olive-LT	265	104	252	99	227	89
834	Golden Olive-VY LT	275	108	262	103	236	92

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839	Beige Brown-DK	699	275	666	262	599	235
869	Hazelnut Brown-VY DK	186	73	177	69	159	62
898	Coffee Brown-VY DK	267	105	254	100	229	90
934	Black Avocado Green	848	333	807	317	727	286
935	Avocado Green-DK	979	385	932	366	839	330
936	Avocado Green-VY DK	2811	1106	2677	1053	2410	948
937	Avocado Green-MD	324	127	308	121	278	109
938	Coffee Brown-UL DK	1447	569	1378	542	1240	488
945	Tawny	10	3	9	3	8	3
976	Golden Brown-MD	8	3	8	3	7	2
3011	Khaki Green-DK	1828	719	1741	685	1567	616
3021	Brown Gray-VY DK	494	194	470	185	423	166
3022	Brown Gray-MD	143	56	136	53	122	48
3023	Brown Gray-LT	110	43	105	41	95	37
3024	Brown Gray-VY LT	92	36	87	34	78	30
3031	Mocha Brown-VY DK	611	240	582	229	524	206
3032	Mocha Brown-MD	20	7	19	7	17	6
3045	Yellow Beige-DK	305	120	290	114	261	102
3046	Yellow Beige-MD	97	38	92	36	83	32
3051	Green Gray-DK	2786	1096	2653	1044	2388	940
3052	Green Gray-MD	279	109	266	104	239	94
3078	Golden Yellow-VY LT	89	35	84	33	76	29
3346	Hunter Green	1196	470	1139	448	1025	403
3347	Yellow Green-MD	205	80	195	76	176	69
3362	Pine Green-DK	1149	452	1094	430	985	387
3363	Pine Green-MD	220	86	210	82	189	74
3371	Black Brown	790	311	752	296	677	266
3740	Antique Violet-DK	5	1	5	1	4	1
3756	Baby Blue-UL VY LT	149	58	142	55	128	50
3781	Mocha Brown-DK	991	390	944	371	849	334
3782	Mocha Brown-LT	137	53	130	51	117	46
3787	Brown Gray-DK	822	323	783	308	705	277
3790	Beige Gray-UL DK	721	283	686	270	618	243
3799	Pewter Gray-VY DK	3	1	3	1	3	1
3820	Straw-DK	42	16	40	15	36	14
3822	Straw-LT	81	31	77	30	69	27
3823	Yellow-UL Pale	205	80	195	76	175	68
3824	Apricot-LT	24	9	23	9	21	8
3825	Pumpkin-Pale	61	24	58	22	52	20
3826	Golden Brown	5	1	4	1	4	1
3827	Golden Brown-Pale	23	9	22	8	19	7
3828	Hazelnut Brown	310	122	295	116	265	104
3829	Old Gold-VY DK	46	18	43	16	39	15
3855	Autumn Gold-LT	85	33	81	31	73	28
3856	Mahogany-UL VY LT	31	12	29	11	26	10
3861	Cocoa-LT	7	2	7	2	6	2
3862	Mocha Beige-DK	215	84	205	80	185	72
3863	Mocha Beige-MD	58	22	55	21	50	19
3865	Winter White	910	358	866	340	780	307
3866	Mocha Brown-UL VY LT	241	94	230	90	207	81
Ecru	Ecru	115	45	110	43	99	38

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
1	White 1	1174	461	978	384	489	192
307	Lemon	4	2	3	2	2	1
356	Terra Cotta-MD	18	5	15	5	8	2
368	Pistachio Green-LT	70	27	59	23	29	11
369	Pistachio Green-VY LT	153	59	128	50	64	25
370	Mustard-MD	236	92	197	77	98	38
371	Mustard	490	193	408	161	204	80
413	Pewter Gray-DK	394	155	329	129	164	65
420	Hazelnut Brown-DK	491	193	410	161	205	80
433	Brown-MD	256	99	213	83	107	41
434	Brown-LT	99	38	83	32	41	16
435	Brown-VY LT	121	47	101	39	50	20
436	Tan	122	47	102	39	51	20
437	Tan-LT	247	95	206	80	103	40
451	Shell Gray-DK	13	4	11	3	5	2
522	Fern Green	423	166	353	138	176	69
523	Fern Green-LT	272	106	227	89	113	44
524	Fern Green-VY LT	581	229	485	191	242	95
535	Ash Gray-VY LT	2	2	2	2	1	1
543	Beige Brown-UL VY LT	232	90	194	75	97	38
554	Violet-LT	4	2	3	2	2	1
580	Moss Green-DK	223	86	186	72	93	36
610	Drab Brown-DK	2185	859	1821	716	911	358
611	Drab Brown	1028	403	857	336	428	168
612	Drab Brown-LT	77	29	65	24	32	12
613	Drab Brown-VY LT	333	130	278	108	139	54
632	Desert Sand-UL VY DK	119	45	99	38	50	19
640	Beige Gray-VY DK	218	85	182	71	91	35
642	Beige Gray-DK	272	106	227	89	113	44
645	Beaver Gray-VY DK	479	187	399	156	200	78
648	Beaver Gray-LT	715	281	596	234	298	117
680	Old Gold-DK	124	49	104	41	52	20
712	Cream	272	106	227	89	113	44
725	Topaz	193	76	161	63	80	32
726	Topaz-LT	52	20	44	17	22	8
729	Old Gold-MD	49	18	41	15	20	8
733	Olive Green-MD	81	31	68	26	34	13
734	Olive Green-LT	203	79	170	66	85	33
738	Tan-VY LT	151	59	126	50	63	25
739	Tan-UL VY LT	169	67	141	56	71	28
743	Yellow-MD	245	95	204	80	102	40
744	Yellow-Pale	101	40	84	33	42	17
745	Yellow-LT Pale	175	68	146	57	73	29
746	Off White	362	142	302	119	151	59
780	Topaz-UL VY DK	139	54	116	45	58	23
783	Topaz-MD	67	25	56	21	28	11
801	Coffee Brown-DK	630	247	525	206	263	103
819	Baby Pink-LT	200	77	167	65	83	32
829	Golden Olive-VY DK	1001	392	834	327	417	164
830	Golden Olive-DK	320	126	267	105	134	53
831	Golden Olive-MD	284	112	237	93	119	47
832	Golden Olive	322	126	269	105	134	53
833	Golden Olive-LT	409	160	341	134	170	67

834	Golden Olive-VY LT	425	166	354	138	177	69
839	Beige Brown-DK	1078	423	899	353	449	176
869	Hazelnut Brown-VY DK	286	112	239	93	119	47
898	Coffee Brown-VY DK	412	162	344	135	172	68
934	Black Avocado Green	1309	515	1091	429	545	215
935	Avocado Green-DK	1510	594	1259	495	629	248
936	Avocado Green-VY DK	4338	1706	3615	1422	1808	711
937	Avocado Green-MD	500	196	417	164	209	82
938	Coffee Brown-UL DK	2232	878	1860	732	930	366
945	Tawny	14	5	12	5	6	2
976	Golden Brown-MD	13	4	11	3	5	2
3011	Khaki Green-DK	2821	1109	2351	924	1175	462
3021	Brown Gray-VY DK	761	299	635	249	317	125
3022	Brown Gray-MD	220	86	183	72	92	36
3023	Brown Gray-LT	171	67	143	56	71	28
3024	Brown Gray-VY LT	140	54	117	45	59	23
3031	Mocha Brown-VY DK	943	371	786	309	393	155
3032	Mocha Brown-MD	31	11	26	9	13	5
3045	Yellow Beige-DK	470	184	392	153	196	77
3046	Yellow Beige-MD	149	58	125	48	62	24
3051	Green Gray-DK	4298	1692	3582	1410	1791	705
3052	Green Gray-MD	430	169	359	141	179	71
3078	Golden Yellow-VY LT	137	52	114	44	57	22
3346	Hunter Green	1845	725	1538	605	769	302
3347	Yellow Green-MD	317	124	264	104	132	52
3362	Pine Green-DK	1773	697	1478	581	739	290
3363	Pine Green-MD	340	133	284	111	142	56
3371	Black Brown	1219	479	1016	399	508	200
3740	Antique Violet-DK	7	2	6	2	3	1
3756	Baby Blue-UL VY LT	230	90	192	75	96	38
3781	Mocha Brown-DK	1528	601	1274	501	637	251
3782	Mocha Brown-LT	211	83	176	69	88	35
3787	Brown Gray-DK	1269	499	1058	416	529	208
3790	Beige Gray-UL DK	1112	437	927	365	464	182
3799	Pewter Gray-VY DK	5	2	5	2	2	1
3820	Straw-DK	65	25	54	21	27	11
3822	Straw-LT	124	49	104	41	52	20
3823	Yellow-UL Pale	315	122	263	102	131	51
3824	Apricot-LT	38	14	32	12	16	6
3825	Pumpkin-Pale	94	36	78	30	39	15
3826	Golden Brown	7	2	6	2	3	1
3827	Golden Brown-Pale	34	13	29	11	14	5
3828	Hazelnut Brown	477	187	398	156	199	78
3829	Old Gold-VY DK	70	27	59	23	29	11
3855	Autumn Gold-LT	131	50	110	42	55	21
3856	Mahogany-UL VY LT	47	18	39	15	20	8
3861	Cocoa-LT	11	4	9	3	5	2
3862	Mocha Beige-DK	333	130	278	108	139	54
3863	Mocha Beige-MD	90	34	75	29	38	14
3865	Winter White	1404	553	1170	461	585	230
3866	Mocha Brown-UL VY LT	373	146	311	122	155	61
Ecu	Ecu	178	68	149	57	74	29

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
1	White 1	469	184	451	177	435	171
307	Lemon	1	1	1	1	1	1
356	Terra Cotta-MD	7	2	7	2	7	2
368	Pistachio Green-LT	28	11	27	10	26	10
369	Pistachio Green-VY LT	61	24	59	23	57	22
370	Mustard-MD	94	37	91	35	87	34
371	Mustard	196	77	188	74	181	71
413	Pewter Gray-DK	158	62	152	60	146	57
420	Hazelnut Brown-DK	197	77	189	74	182	71
433	Brown-MD	102	40	98	38	95	37
434	Brown-LT	40	15	38	15	37	14
435	Brown-VY LT	48	19	46	18	45	17
436	Tan	49	19	47	18	45	17
437	Tan-LT	99	38	95	37	91	35
451	Shell Gray-DK	5	1	5	1	5	1
522	Fern Green	169	66	163	64	157	61
523	Fern Green-LT	109	42	105	41	101	39
524	Fern Green-VY LT	233	91	224	88	215	85
535	Ash Gray-VY LT	1	1	1	1	1	1
543	Beige Brown-UL VY LT	93	36	89	35	86	33
554	Violet-LT	1	1	1	1	1	1
580	Moss Green-DK	89	35	86	33	83	32
610	Drab Brown-DK	874	343	840	330	809	318
611	Drab Brown	411	161	395	155	381	149
612	Drab Brown-LT	31	12	30	11	29	11
613	Drab Brown-VY LT	133	52	128	50	123	48
632	Desert Sand-UL VY DK	48	18	46	17	44	17
640	Beige Gray-VY DK	87	34	84	33	81	31
642	Beige Gray-DK	109	42	105	41	101	39
645	Beaver Gray-VY DK	192	75	184	72	177	69
648	Beaver Gray-LT	286	112	275	108	265	104
680	Old Gold-DK	50	19	48	19	46	18
712	Cream	109	42	105	41	101	39
725	Topaz	77	30	74	29	71	28
726	Topaz-LT	21	8	20	8	19	7
729	Old Gold-MD	19	7	19	7	18	7
733	Olive Green-MD	32	12	31	12	30	11
734	Olive Green-LT	81	32	78	30	75	29
738	Tan-VY LT	60	24	58	23	56	22
739	Tan-UL VY LT	68	27	65	26	63	25
743	Yellow-MD	98	38	94	37	91	35
744	Yellow-Pale	40	16	39	15	37	15
745	Yellow-LT Pale	70	27	67	26	65	25
746	Off White	145	57	139	55	134	53
780	Topaz-UL VY DK	55	22	53	21	51	20
783	Topaz-MD	27	10	26	10	25	9
801	Coffee Brown-DK	252	99	242	95	233	91
819	Baby Pink-LT	80	31	77	30	74	29
829	Golden Olive-VY DK	400	157	385	151	371	145
830	Golden Olive-DK	128	50	123	48	119	47
831	Golden Olive-MD	114	45	109	43	105	41
832	Golden Olive	129	50	124	48	119	47
833	Golden Olive-LT	163	64	157	62	151	59

834	Golden Olive-VY LT	170	66	163	64	157	61
839	Beige Brown-DK	431	169	415	163	399	157
869	Hazelnut Brown-VY DK	114	45	110	43	106	41
898	Coffee Brown-VY DK	165	65	159	62	153	60
934	Black Avocado Green	523	206	503	198	485	191
935	Avocado Green-DK	604	238	581	228	559	220
936	Avocado Green-VY DK	1735	683	1668	656	1607	632
937	Avocado Green-MD	200	78	192	75	185	73
938	Coffee Brown-UL DK	893	351	858	338	827	325
945	Tawny	6	2	6	2	5	2
976	Golden Brown-MD	5	1	5	1	5	1
3011	Khaki Green-DK	1128	444	1085	426	1045	411
3021	Brown Gray-VY DK	305	120	293	115	282	111
3022	Brown Gray-MD	88	35	84	33	81	32
3023	Brown Gray-LT	68	27	66	26	63	25
3024	Brown Gray-VY LT	56	22	54	21	52	20
3031	Mocha Brown-VY DK	377	148	363	143	349	137
3032	Mocha Brown-MD	12	4	12	4	11	4
3045	Yellow Beige-DK	188	73	181	71	174	68
3046	Yellow Beige-MD	60	23	57	22	55	21
3051	Green Gray-DK	1719	677	1653	651	1592	627
3052	Green Gray-MD	172	68	165	65	159	63
3078	Golden Yellow-VY LT	55	21	53	20	51	19
3346	Hunter Green	738	290	710	279	683	269
3347	Yellow Green-MD	127	50	122	48	117	46
3362	Pine Green-DK	709	279	682	268	657	258
3363	Pine Green-MD	136	53	131	51	126	49
3371	Black Brown	487	192	469	184	451	177
3740	Antique Violet-DK	3	1	3	1	3	1
3756	Baby Blue-UL VY LT	92	36	89	35	85	33
3781	Mocha Brown-DK	611	240	588	231	566	223
3782	Mocha Brown-LT	84	33	81	32	78	31
3787	Brown Gray-DK	508	199	488	192	470	185
3790	Beige Gray-UL DK	445	175	428	168	412	162
3799	Pewter Gray-VY DK	2	1	2	1	2	1
3820	Straw-DK	26	10	25	10	24	9
3822	Straw-LT	50	19	48	19	46	18
3823	Yellow-UL Pale	126	49	121	47	117	45
3824	Apricot-LT	15	6	15	6	14	5
3825	Pumpkin-Pale	37	14	36	14	35	13
3826	Golden Brown	3	1	3	1	3	1
3827	Golden Brown-Pale	14	5	13	5	13	5
3828	Hazelnut Brown	191	75	183	72	177	69
3829	Old Gold-VY DK	28	11	27	10	26	10
3855	Autumn Gold-LT	53	20	51	19	49	19
3856	Mahogany-UL VY LT	19	7	18	7	17	7
3861	Cocoa-LT	4	1	4	1	4	1
3862	Mocha Beige-DK	133	52	128	50	123	48
3863	Mocha Beige-MD	36	14	35	13	33	13
3865	Winter White	562	221	540	213	520	205
3866	Mocha Brown-UL VY LT	149	58	143	56	138	54
Ecru	Ecru	71	27	69	26	66	25

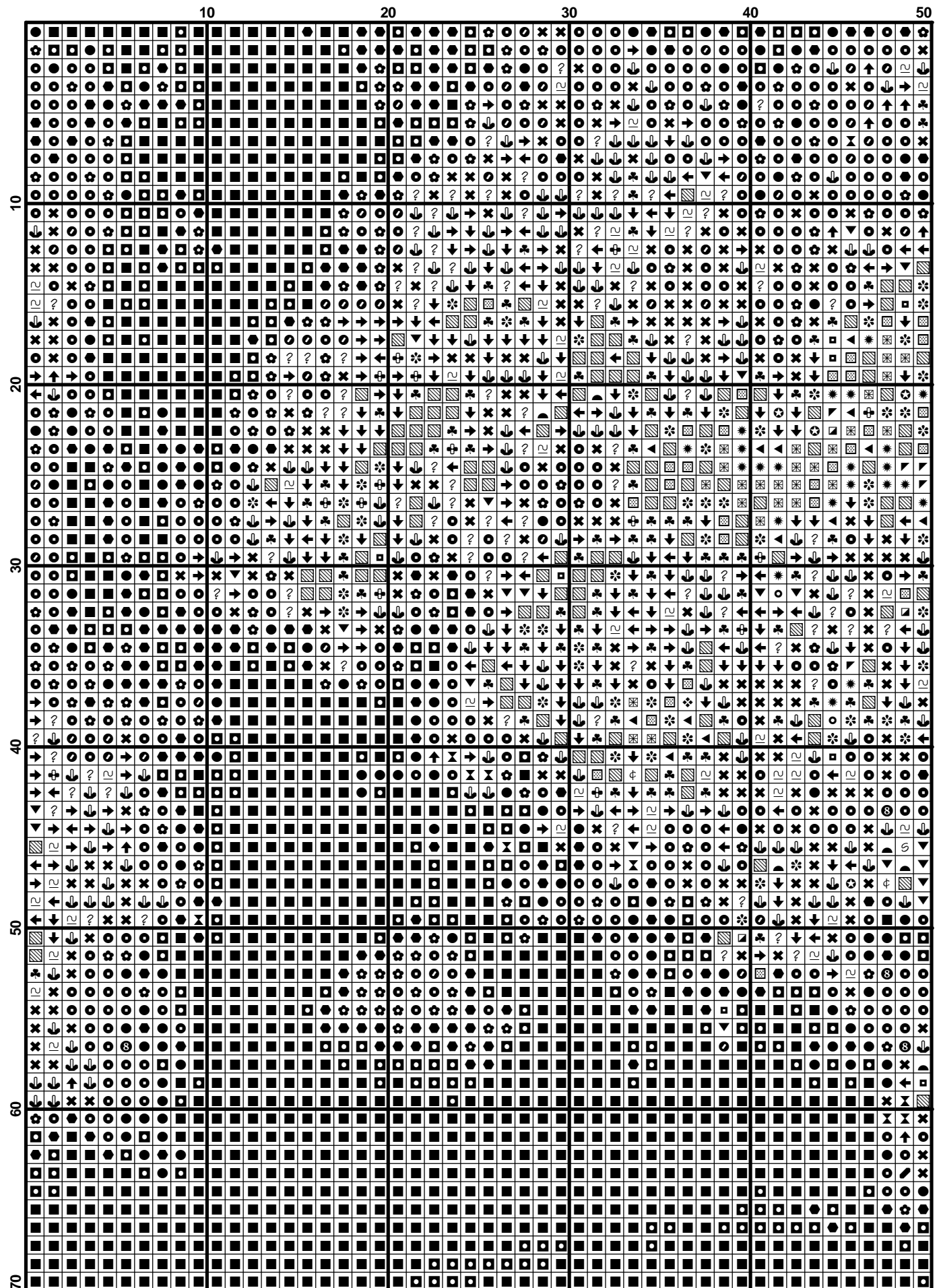
Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
1	White 1	419	165	391	154	367	144
307	Lemon	1	1	1	1	1	1
356	Terra Cotta-MD	6	2	6	2	6	2
368	Pistachio Green-LT	25	10	23	9	22	8
369	Pistachio Green-VY LT	55	21	51	20	48	19
370	Mustard-MD	84	33	79	31	74	29
371	Mustard	175	69	163	64	153	60
413	Pewter Gray-DK	141	55	131	52	123	48
420	Hazelnut Brown-DK	176	69	164	64	154	60
433	Brown-MD	91	35	85	33	80	31
434	Brown-LT	35	14	33	13	31	12
435	Brown-VY LT	43	17	40	16	38	15
436	Tan	44	17	41	16	38	15
437	Tan-LT	88	34	82	32	77	30
451	Shell Gray-DK	5	1	4	1	4	1
522	Fern Green	151	59	141	55	132	52
523	Fern Green-LT	97	38	91	35	85	33
524	Fern Green-VY LT	208	82	194	76	182	71
535	Ash Gray-VY LT	1	1	1	1	1	1
543	Beige Brown-UL VY LT	83	32	77	30	73	28
554	Violet-LT	1	1	1	1	1	1
580	Moss Green-DK	80	31	74	29	70	27
610	Drab Brown-DK	780	307	728	286	683	268
611	Drab Brown	367	144	343	134	321	126
612	Drab Brown-LT	28	10	26	10	24	9
613	Drab Brown-VY LT	119	46	111	43	104	41
632	Desert Sand-UL VY DK	42	16	40	15	37	14
640	Beige Gray-VY DK	78	30	73	28	68	26
642	Beige Gray-DK	97	38	91	35	85	33
645	Beaver Gray-VY DK	171	67	160	62	150	59
648	Beaver Gray-LT	255	100	238	94	223	88
680	Old Gold-DK	44	17	41	16	39	15
712	Cream	97	38	91	35	85	33
725	Topaz	69	27	64	25	60	24
726	Topaz-LT	19	7	17	7	16	6
729	Old Gold-MD	17	6	16	6	15	6
733	Olive Green-MD	29	11	27	10	25	10
734	Olive Green-LT	73	28	68	26	64	25
738	Tan-VY LT	54	21	50	20	47	19
739	Tan-UL VY LT	60	24	56	22	53	21
743	Yellow-MD	87	34	82	32	77	30
744	Yellow-Pale	36	14	34	13	32	12
745	Yellow-LT Pale	62	24	58	23	55	21
746	Off White	129	51	121	47	113	44
780	Topaz-UL VY DK	50	19	46	18	43	17
783	Topaz-MD	24	9	22	8	21	8
801	Coffee Brown-DK	225	88	210	82	197	77
819	Baby Pink-LT	71	28	67	26	62	24
829	Golden Olive-VY DK	357	140	334	131	313	123
830	Golden Olive-DK	114	45	107	42	100	39
831	Golden Olive-MD	102	40	95	37	89	35
832	Golden Olive	115	45	107	42	101	39
833	Golden Olive-LT	146	57	136	53	128	50
834	Golden Olive-VY LT	152	59	142	55	133	52

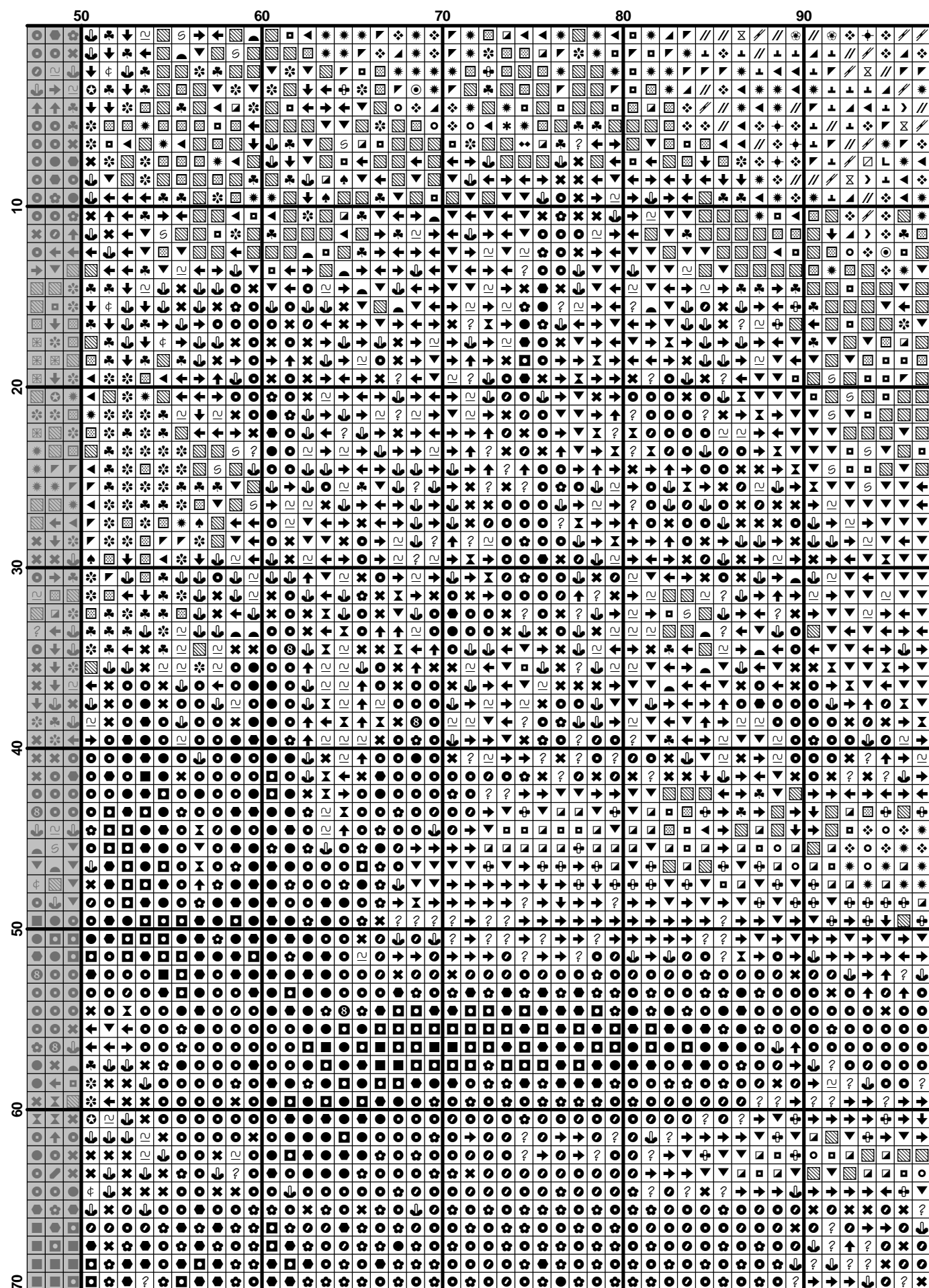
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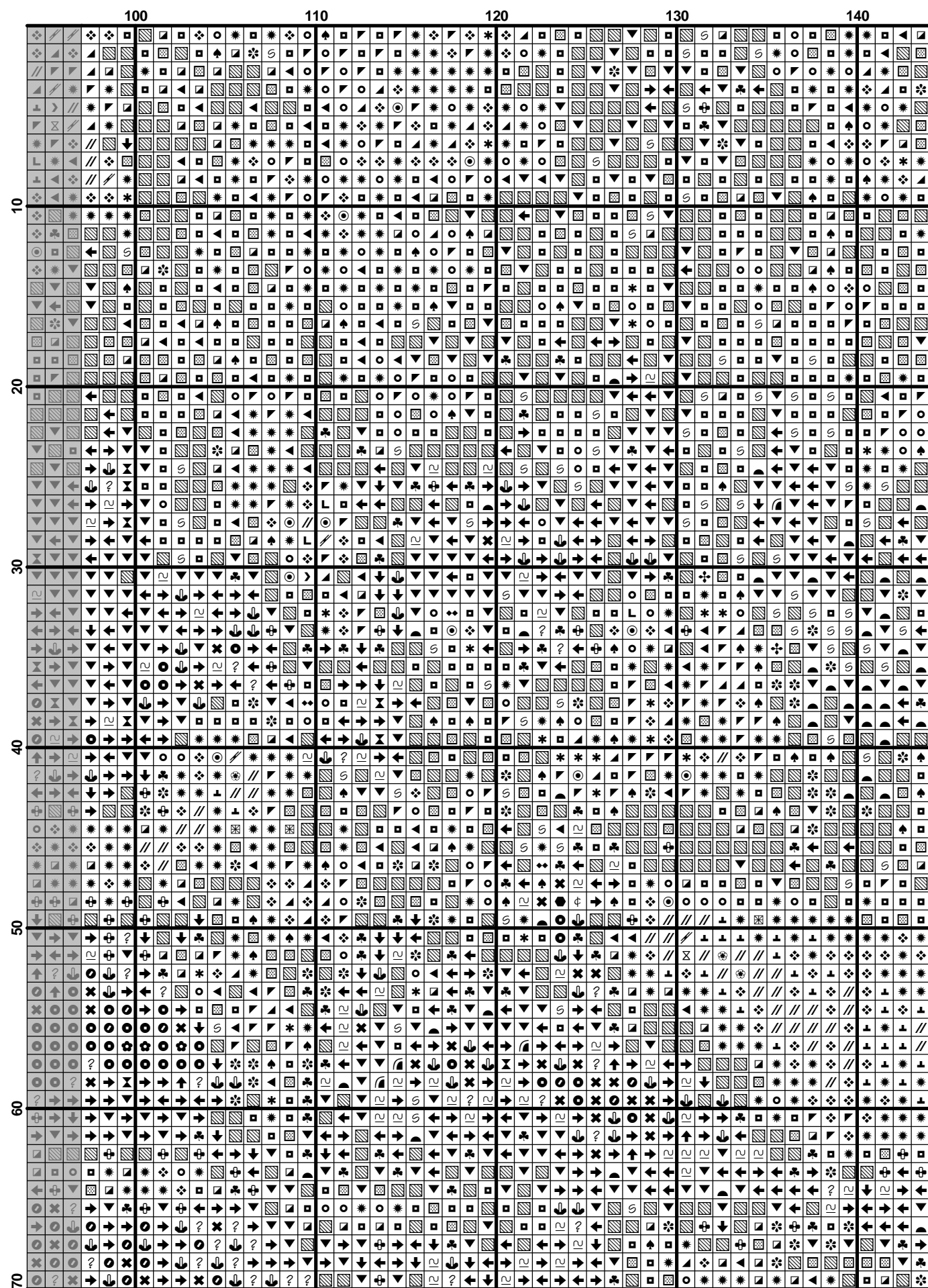
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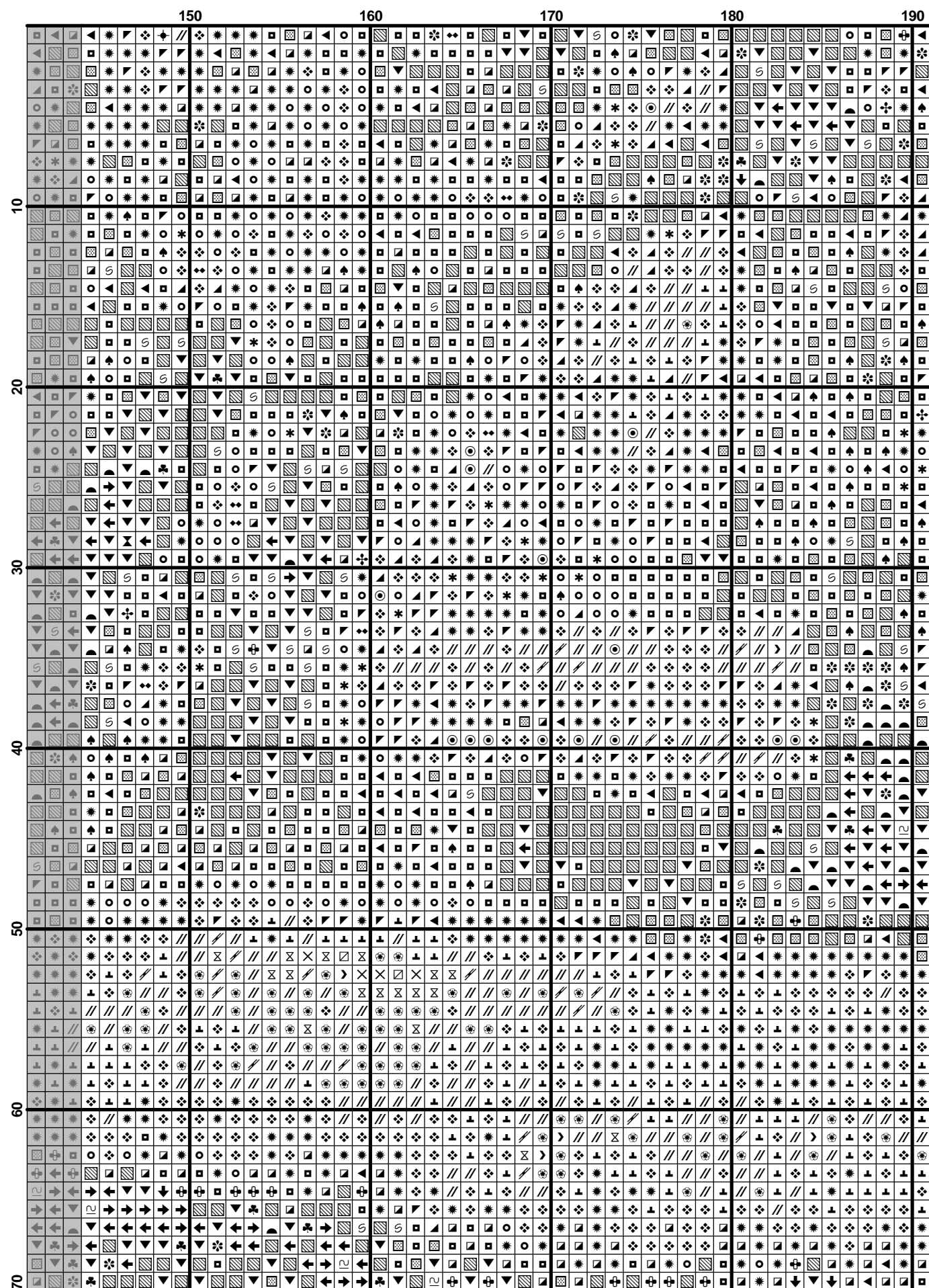
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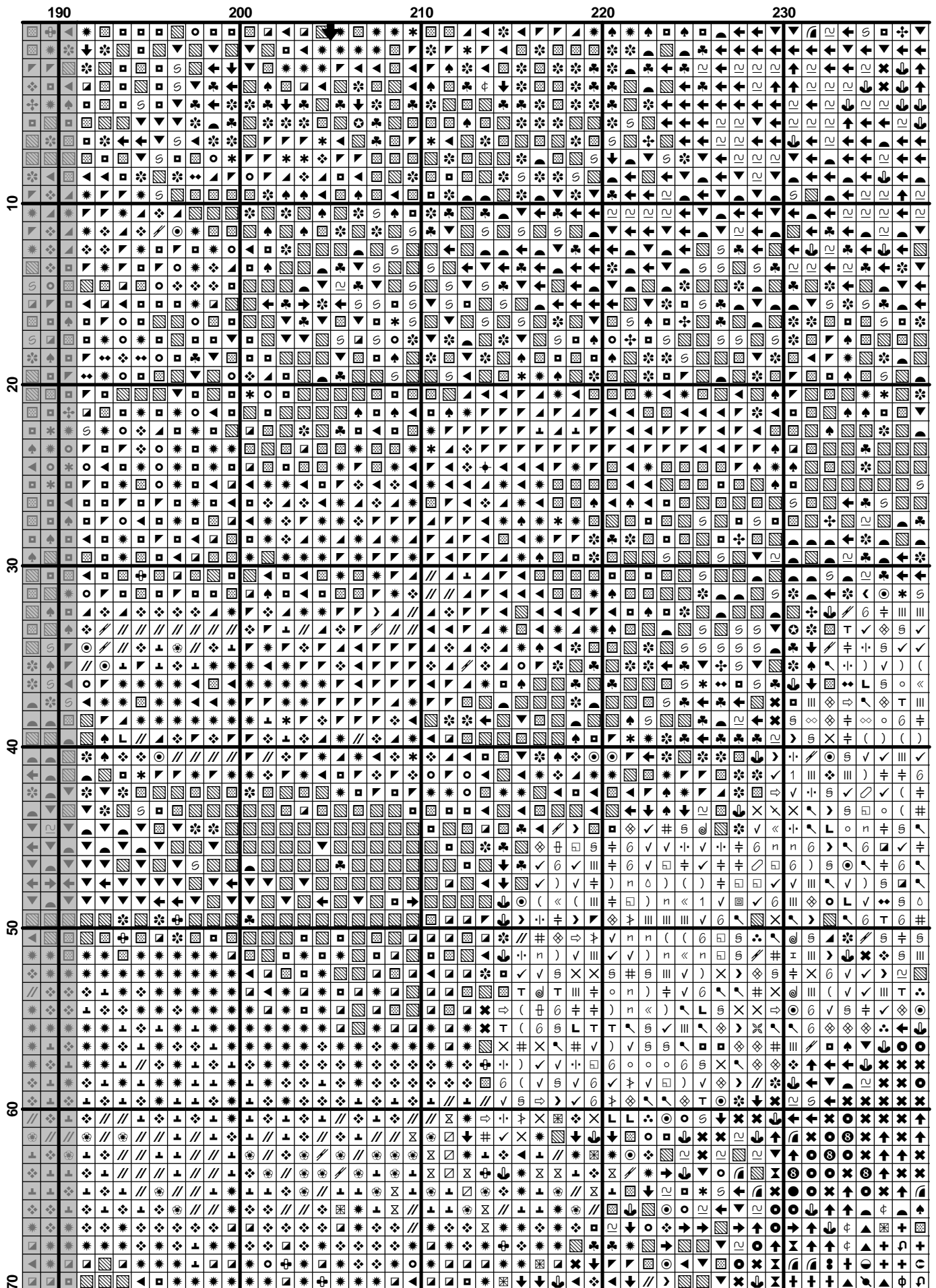
839	Beige Brown-DK	385	151	359	141	337	132
869	Hazelnut Brown-VY DK	102	40	95	37	89	35
898	Coffee Brown-VY DK	147	58	137	54	129	51
934	Black Avocado Green	467	184	436	172	409	161
935	Avocado Green-DK	539	212	503	198	472	186
936	Avocado Green-VY DK	1549	609	1446	569	1356	533
937	Avocado Green-MD	179	70	167	65	156	61
938	Coffee Brown-UL DK	797	314	744	293	698	275
945	Tawny	5	2	5	2	5	2
976	Golden Brown-MD	5	1	4	1	4	1
3011	Khaki Green-DK	1007	396	940	370	881	347
3021	Brown Gray-VY DK	272	107	254	100	238	93
3022	Brown Gray-MD	78	31	73	29	69	27
3023	Brown Gray-LT	61	24	57	22	53	21
3024	Brown Gray-VY LT	50	19	47	18	44	17
3031	Mocha Brown-VY DK	337	132	314	124	295	116
3032	Mocha Brown-MD	11	4	10	4	10	3
3045	Yellow Beige-DK	168	66	157	61	147	57
3046	Yellow Beige-MD	53	21	50	19	47	18
3051	Green Gray-DK	1535	604	1433	564	1343	529
3052	Green Gray-MD	154	60	143	56	134	53
3078	Golden Yellow-VY LT	49	19	46	17	43	16
3346	Hunter Green	659	259	615	242	577	227
3347	Yellow Green-MD	113	44	106	41	99	39
3362	Pine Green-DK	633	249	591	232	554	218
3363	Pine Green-MD	122	48	113	44	106	42
3371	Black Brown	435	171	406	160	381	150
3740	Antique Violet-DK	3	1	2	1	2	1
3756	Baby Blue-UL VY LT	82	32	77	30	72	28
3781	Mocha Brown-DK	546	215	509	200	478	188
3782	Mocha Brown-LT	75	30	70	28	66	26
3787	Brown Gray-DK	453	178	423	166	397	156
3790	Beige Gray-UL DK	397	156	371	146	348	137
3799	Pewter Gray-VY DK	2	1	2	1	2	1
3820	Straw-DK	23	9	22	8	20	8
3822	Straw-LT	44	17	41	16	39	15
3823	Yellow-UL Pale	113	44	105	41	98	38
3824	Apricot-LT	14	5	13	5	12	5
3825	Pumpkin-Pale	33	13	31	12	29	11
3826	Golden Brown	3	1	2	1	2	1
3827	Golden Brown-Pale	12	5	11	4	11	4
3828	Hazelnut Brown	170	67	159	62	149	59
3829	Old Gold-VY DK	25	10	23	9	22	8
3855	Autumn Gold-LT	47	18	44	17	41	16
3856	Mahogany-UL VY LT	17	6	16	6	15	6
3861	Cocoa-LT	4	1	4	1	3	1
3862	Mocha Beige-DK	119	46	111	43	104	41
3863	Mocha Beige-MD	32	12	30	11	28	11
3865	Winter White	501	197	468	184	439	173
3866	Mocha Brown-UL VY LT	133	52	124	49	116	46
Ecru	Ecru	64	24	59	23	56	21

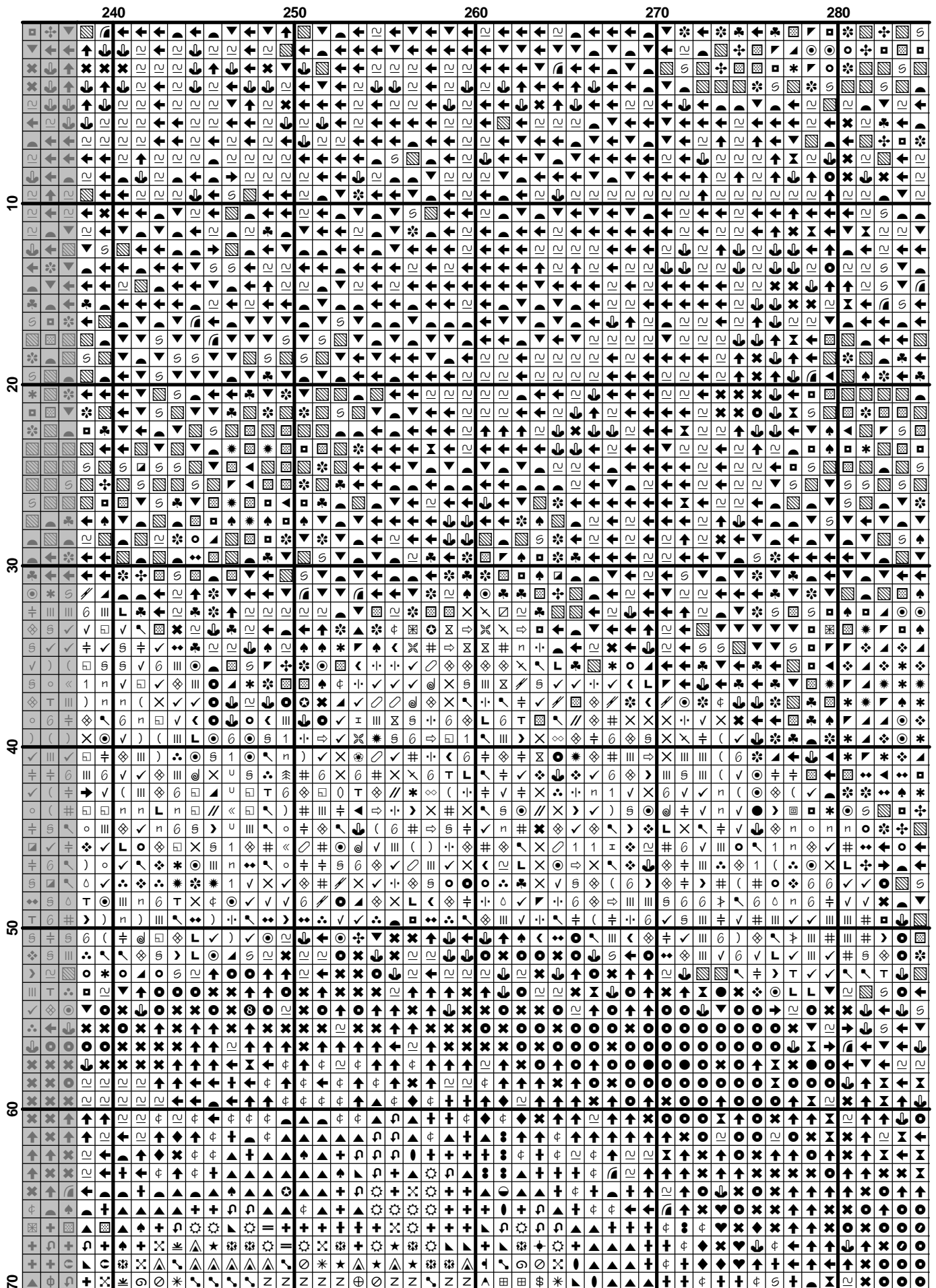


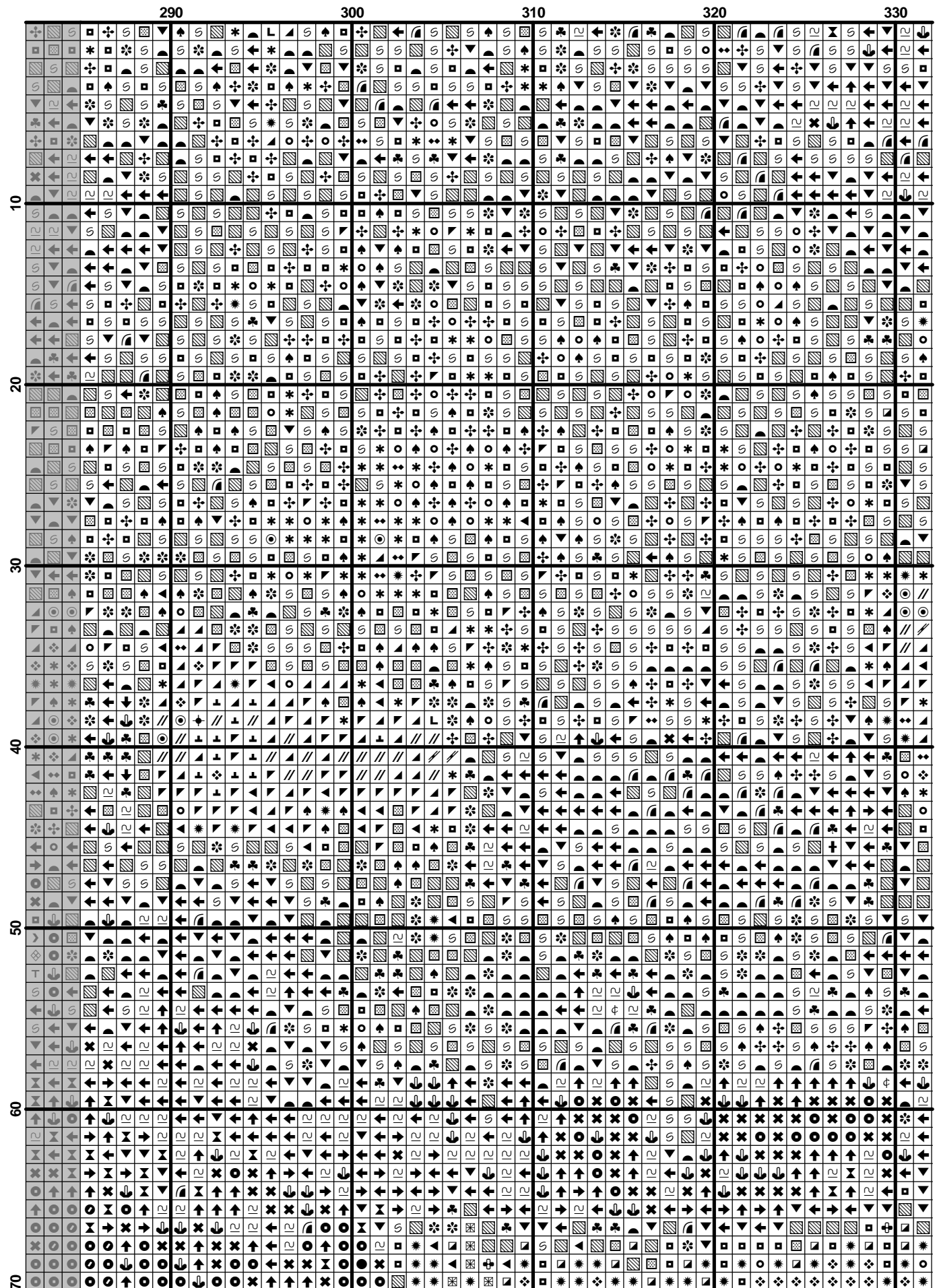


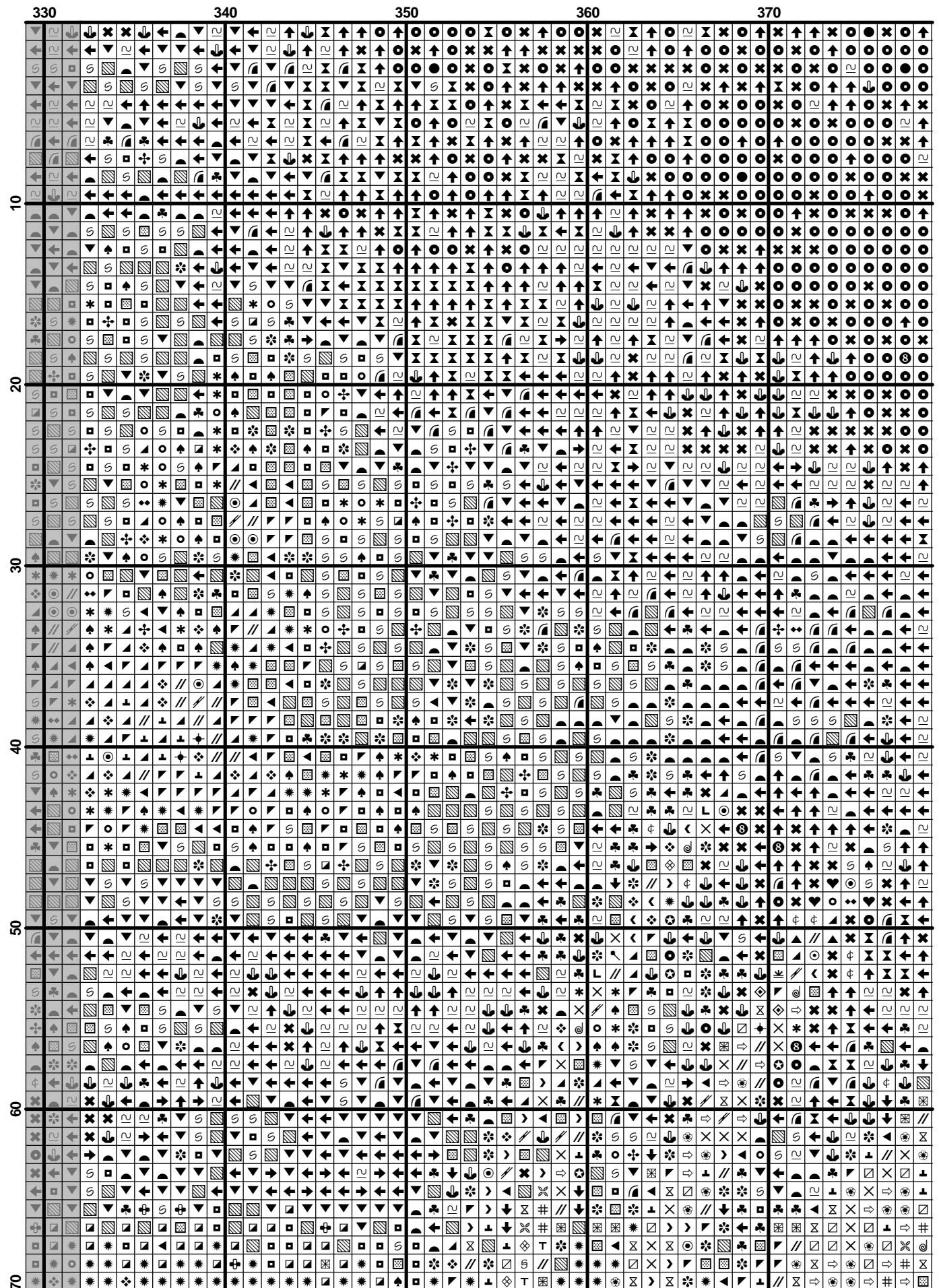


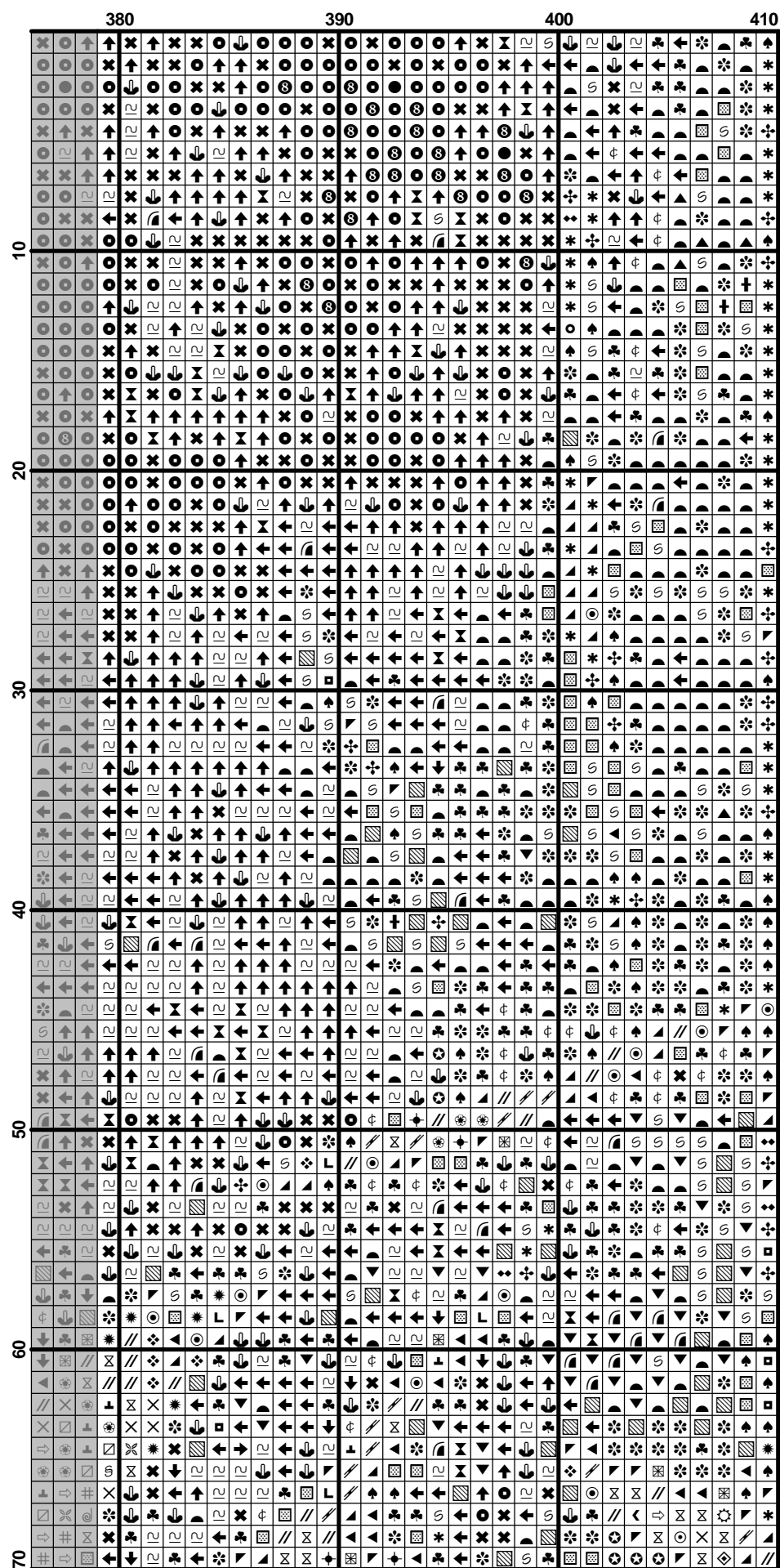


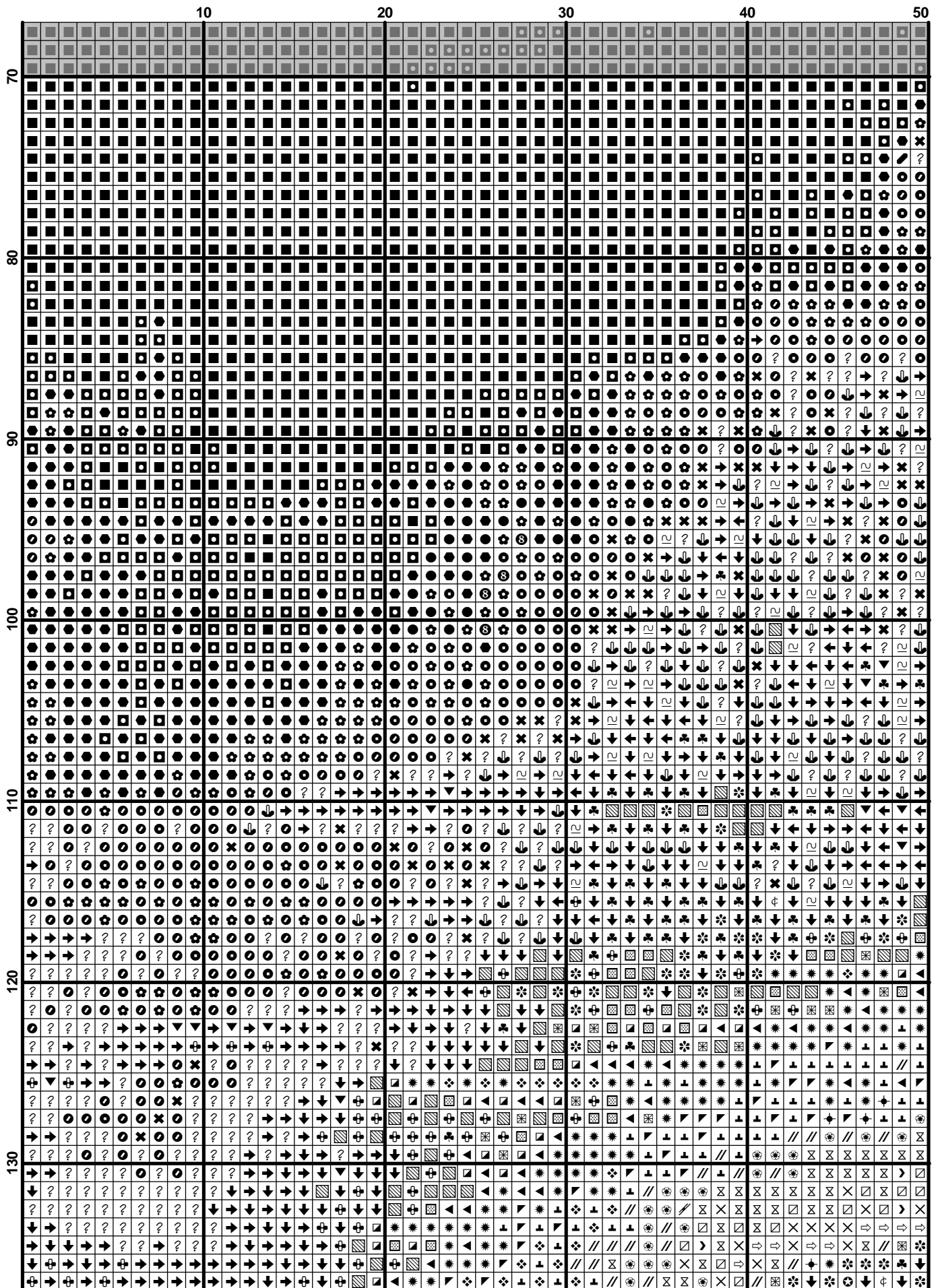


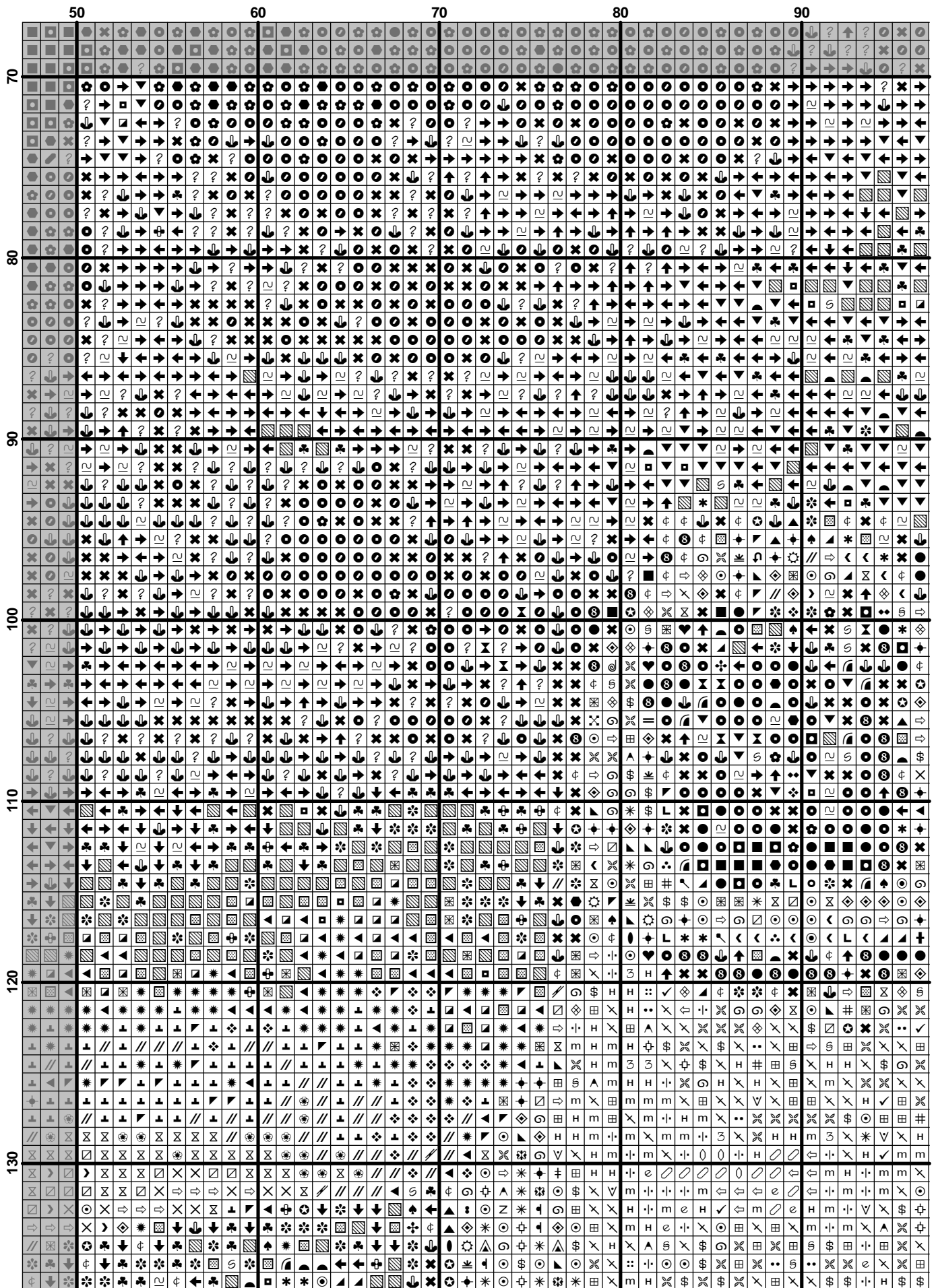


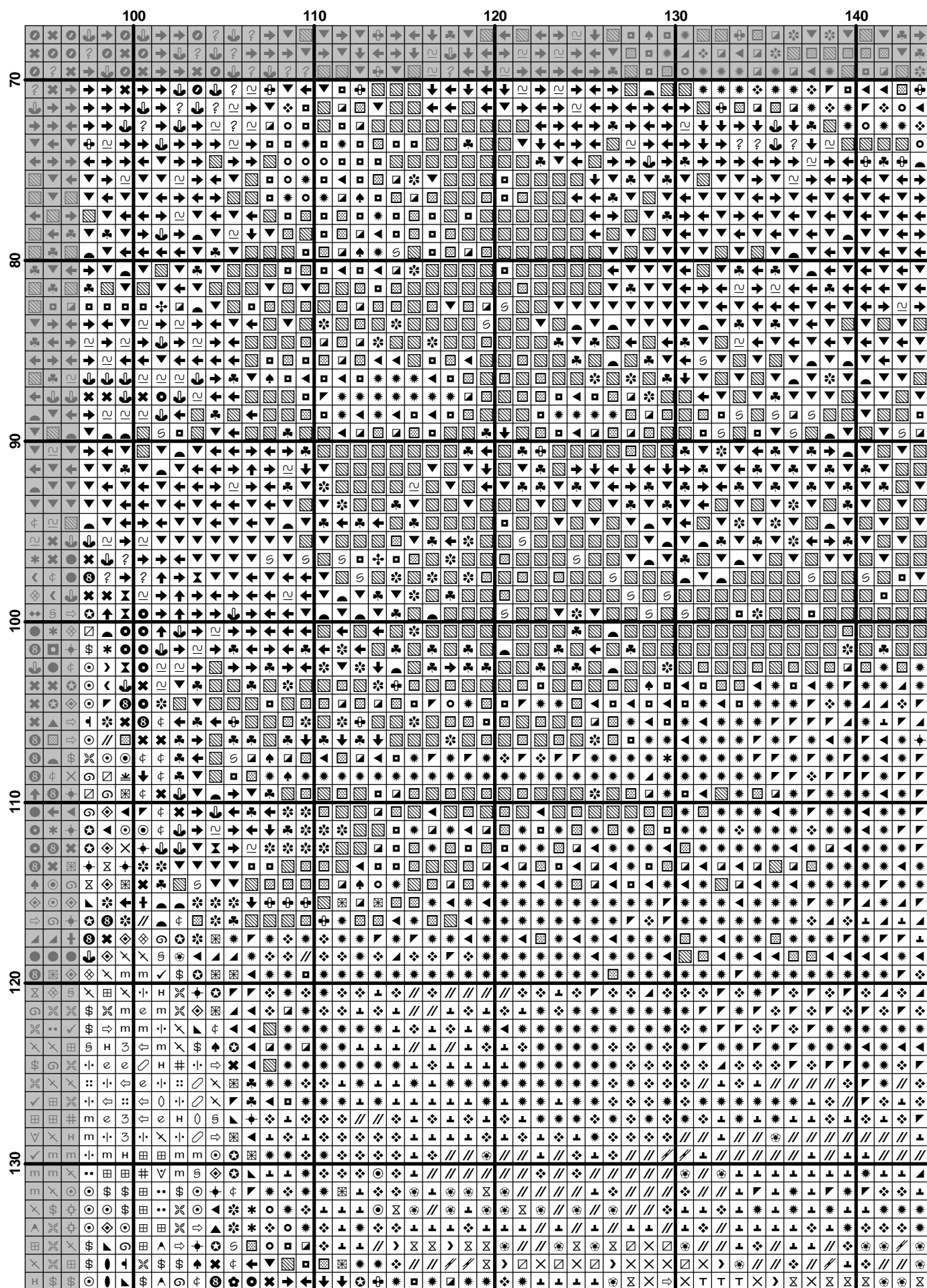


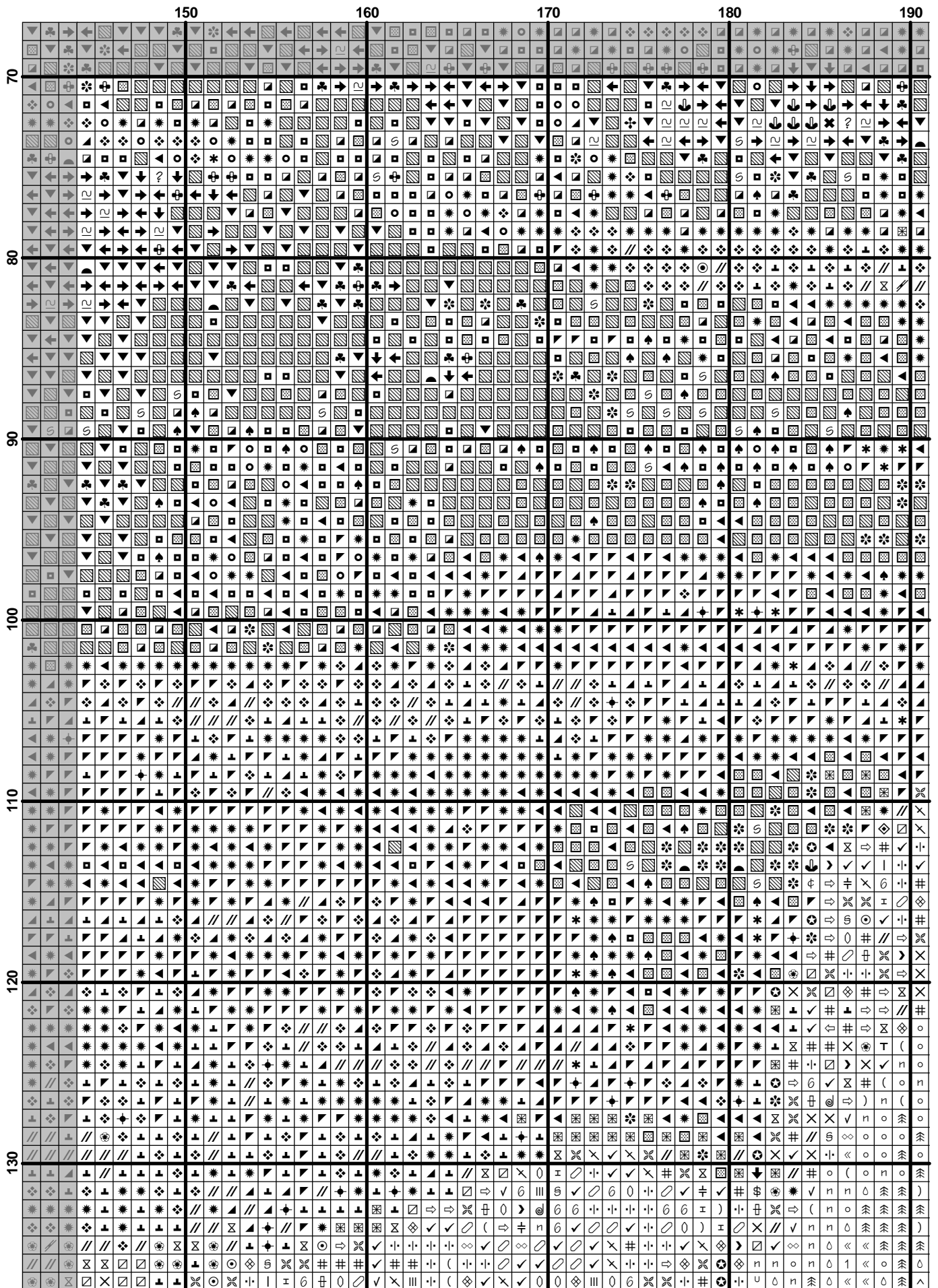


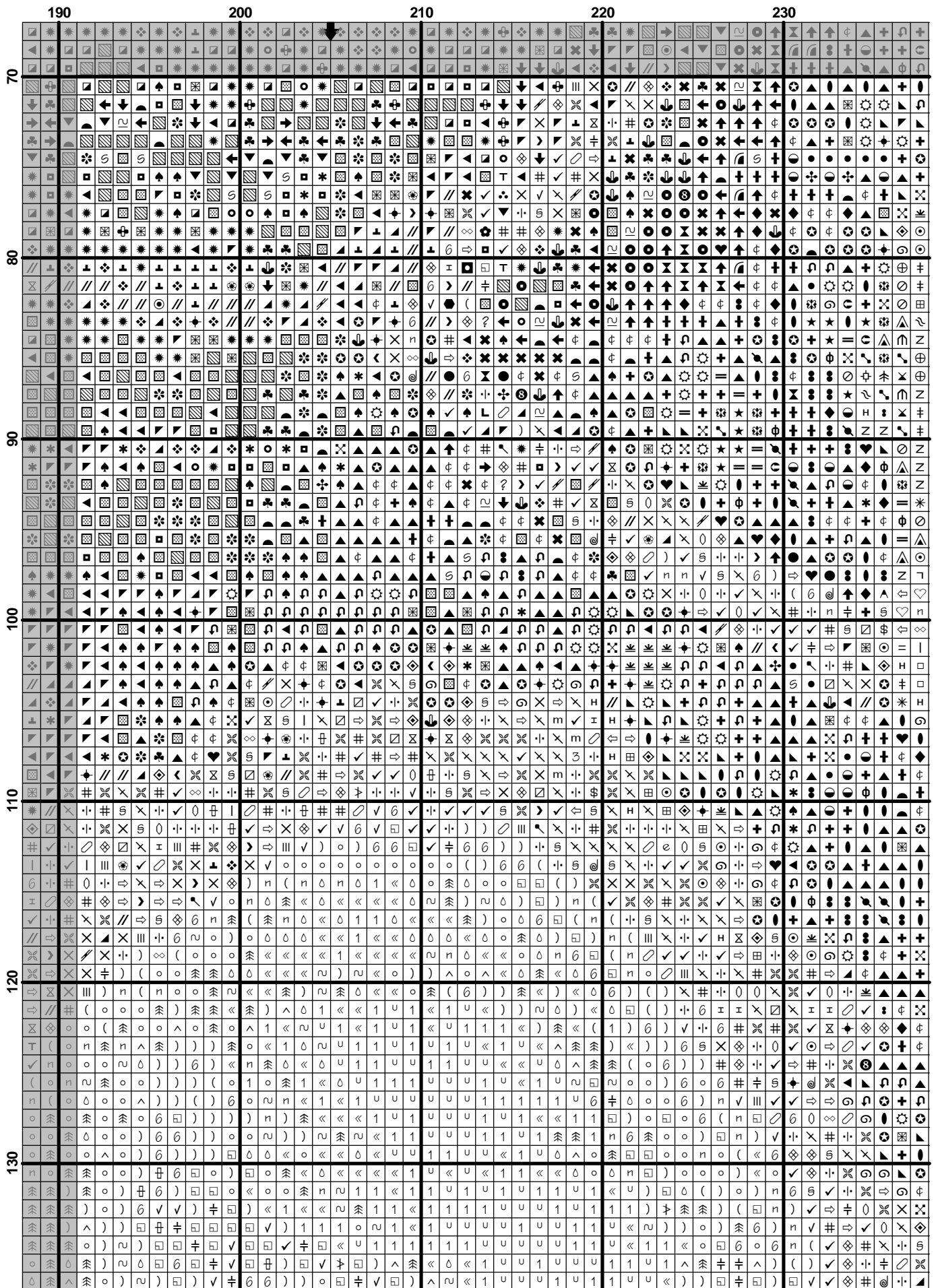




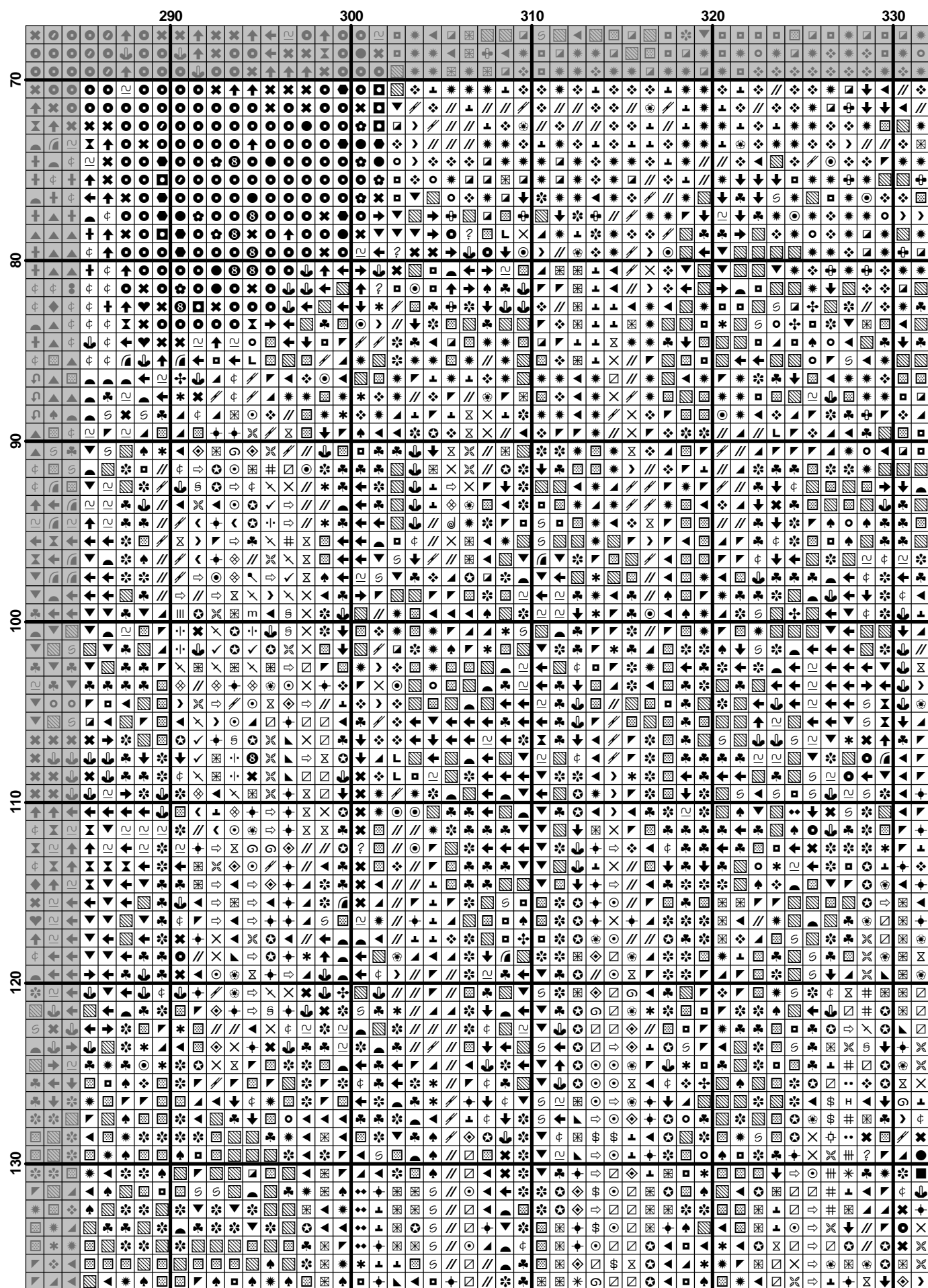


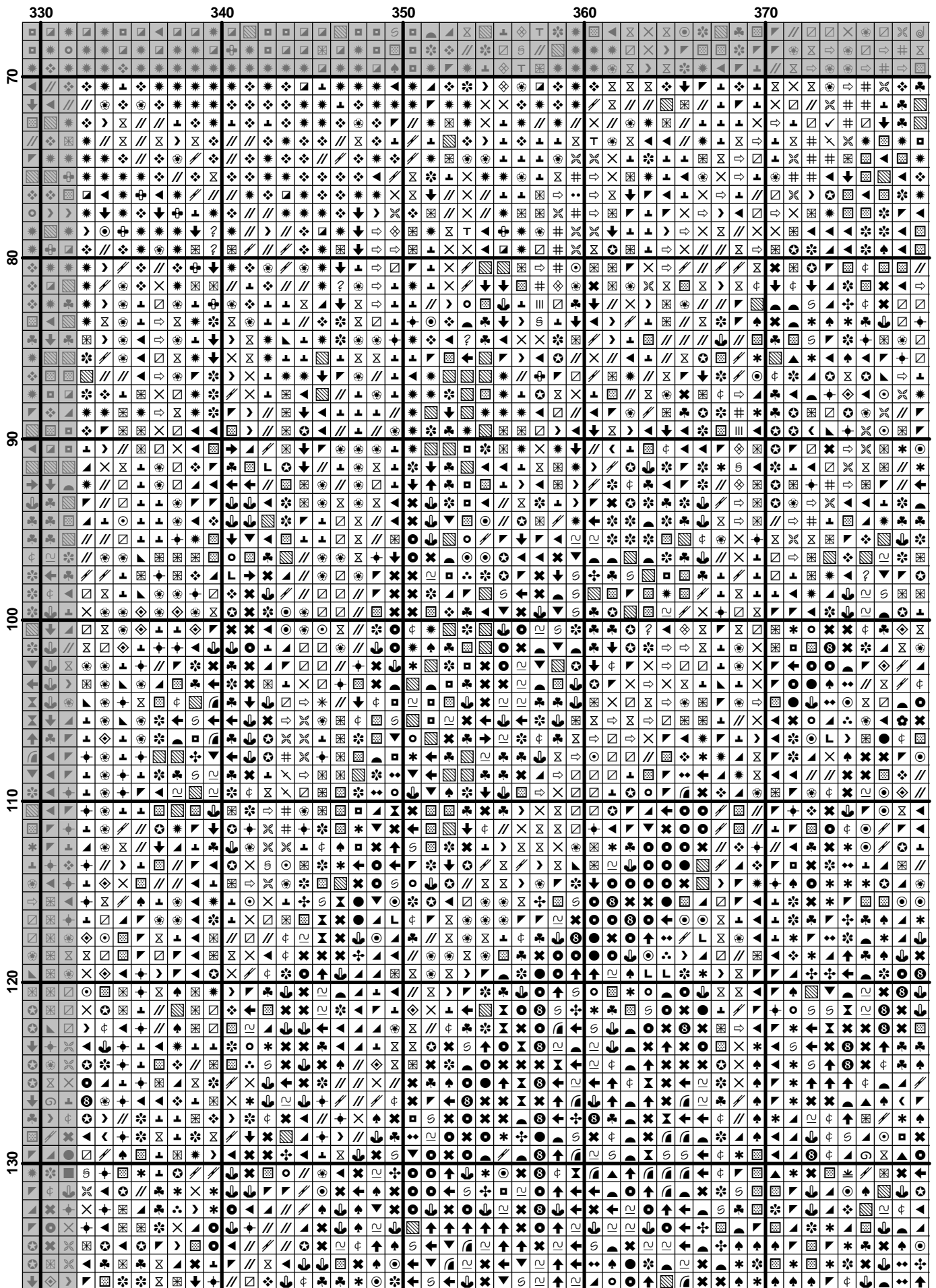


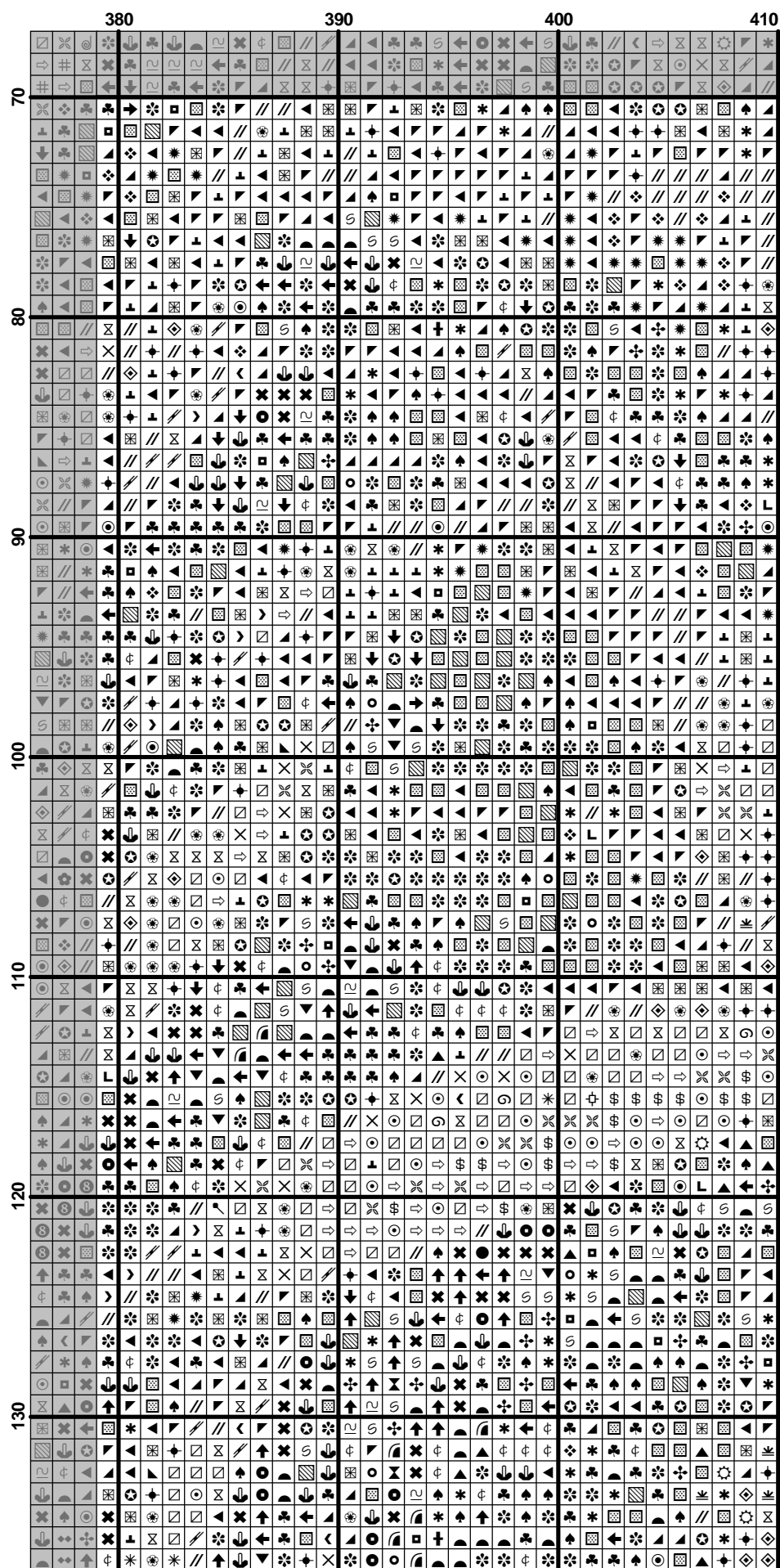


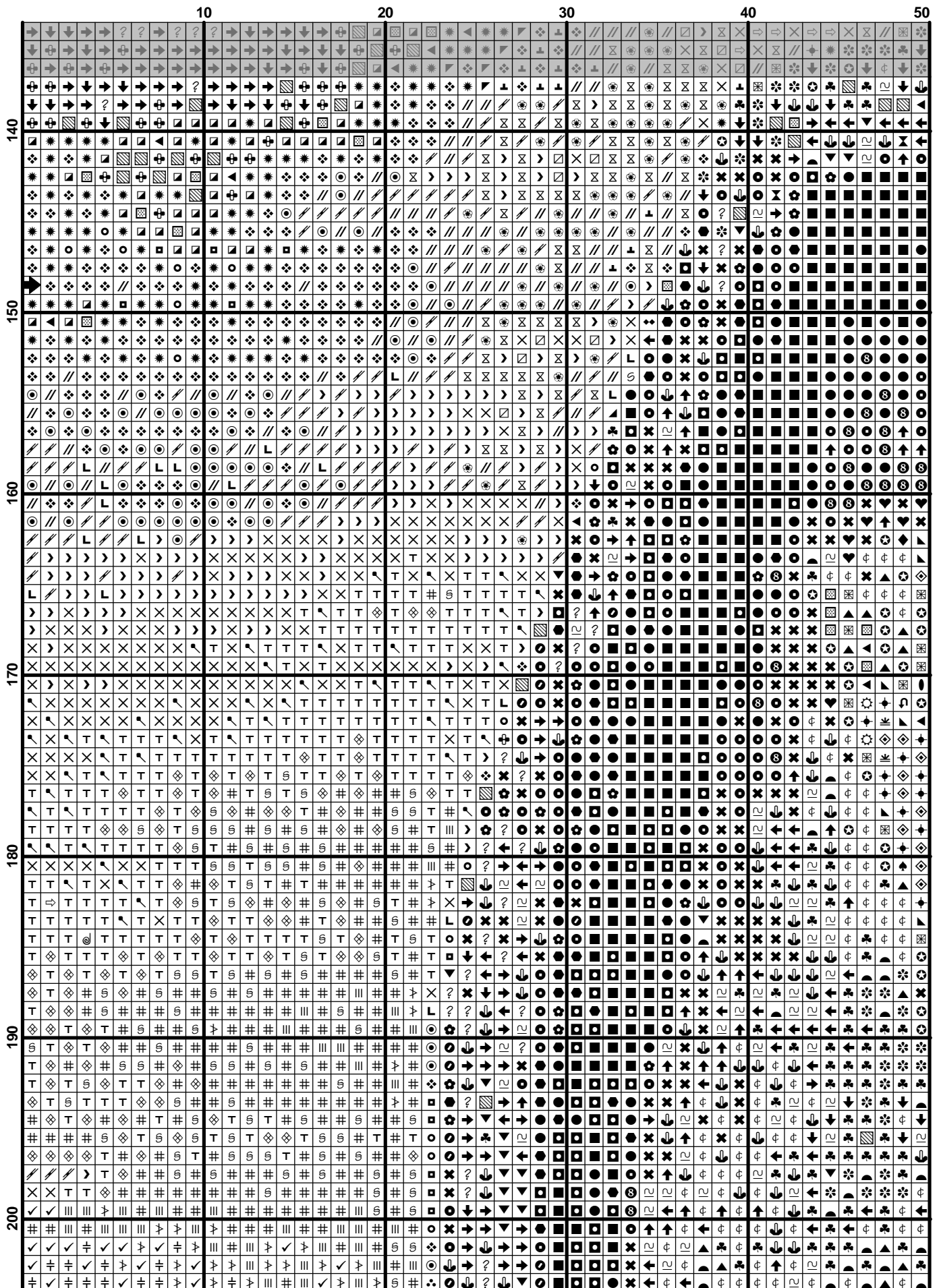


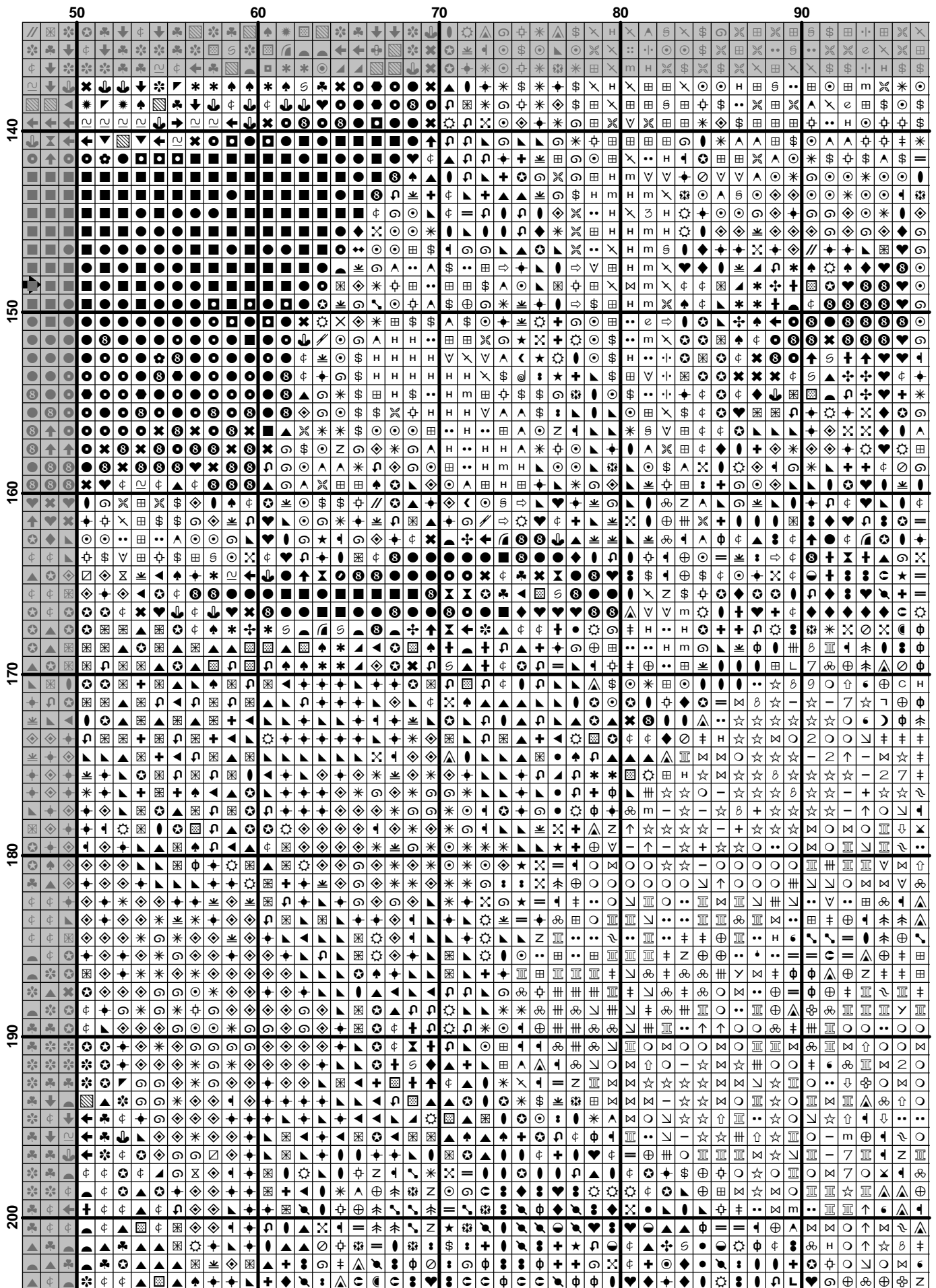
	240	250	260	270	280
70					
80					
90					
100					
110					
120					
130					









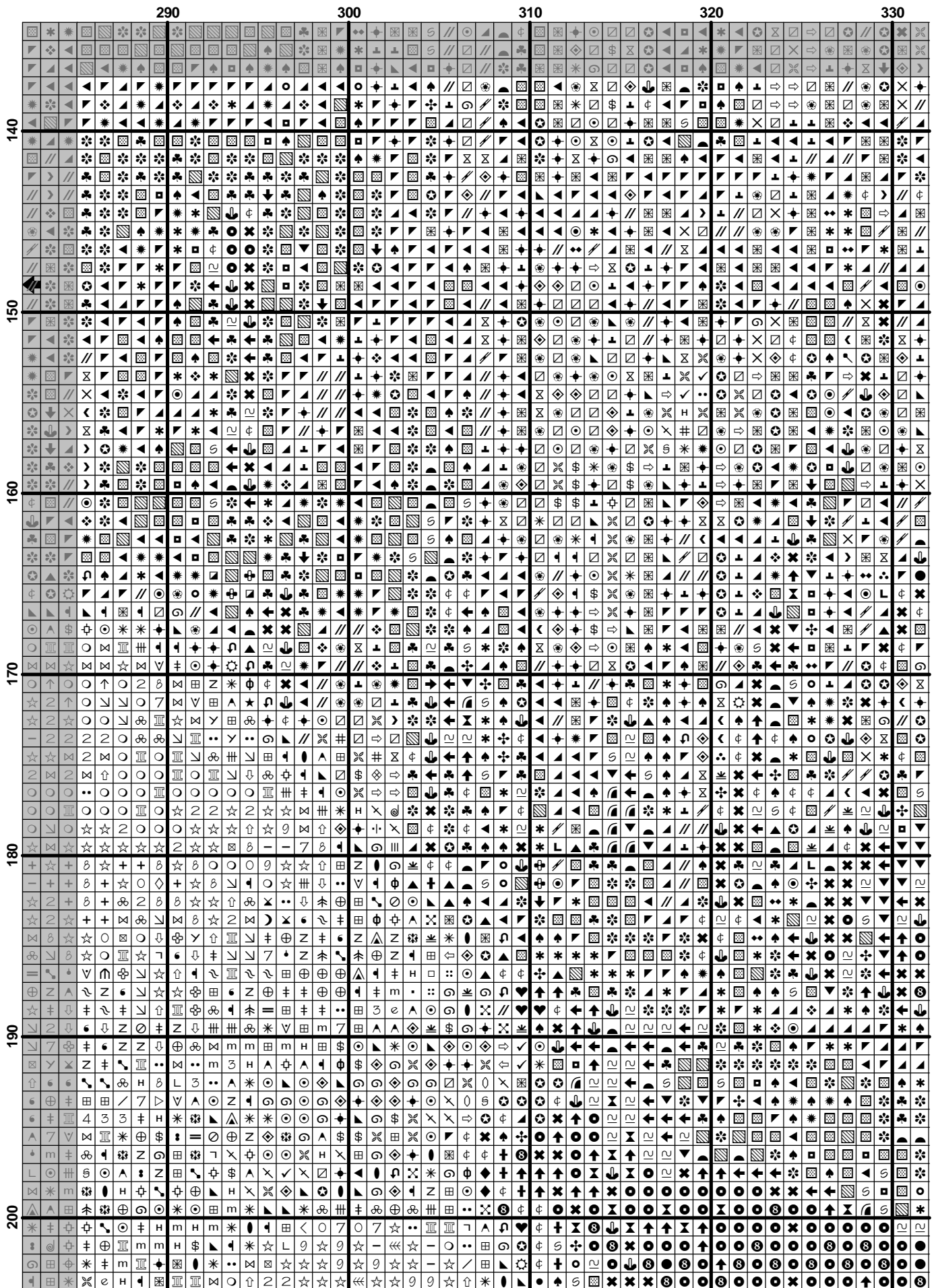


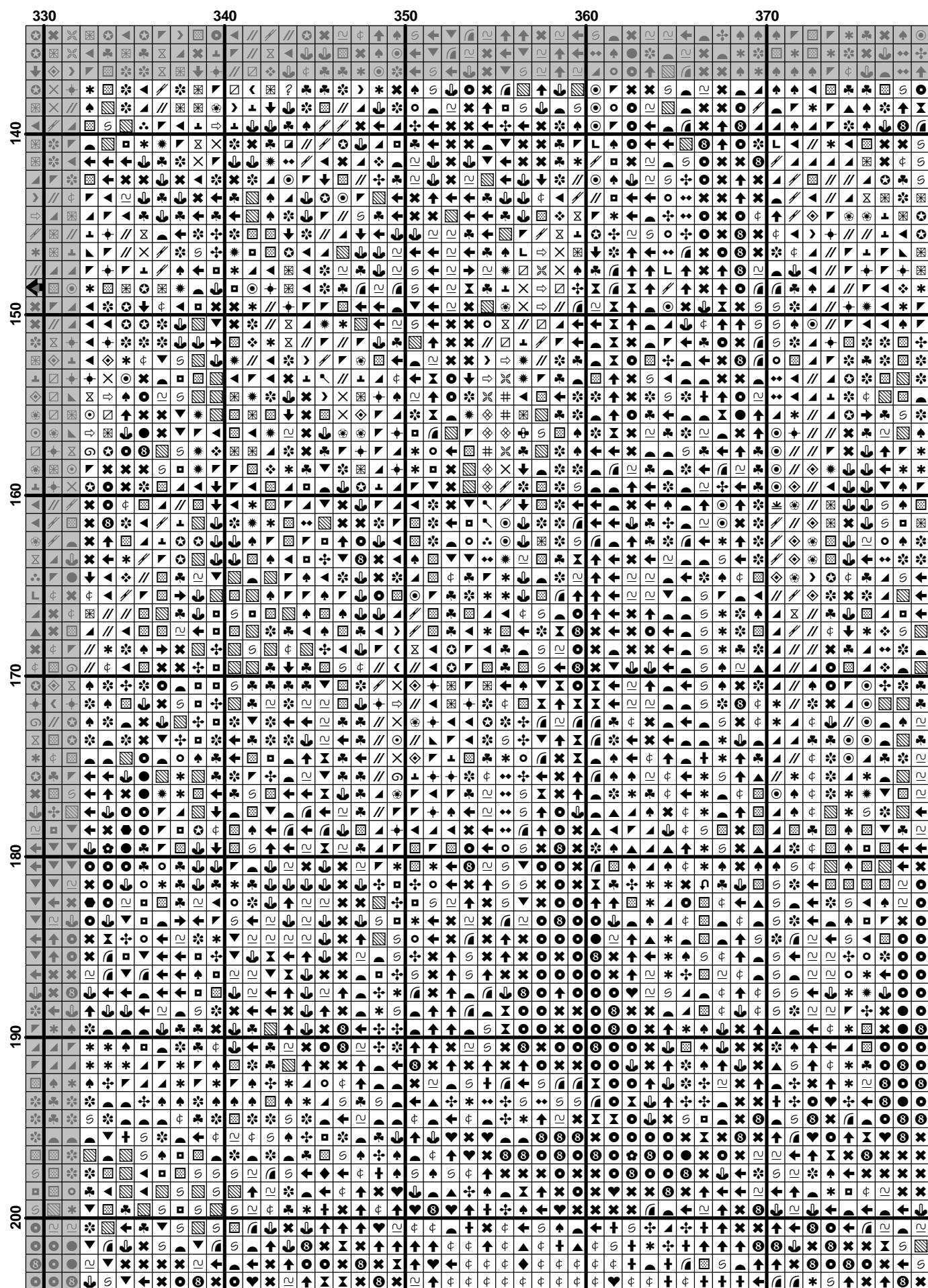
$$(30) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

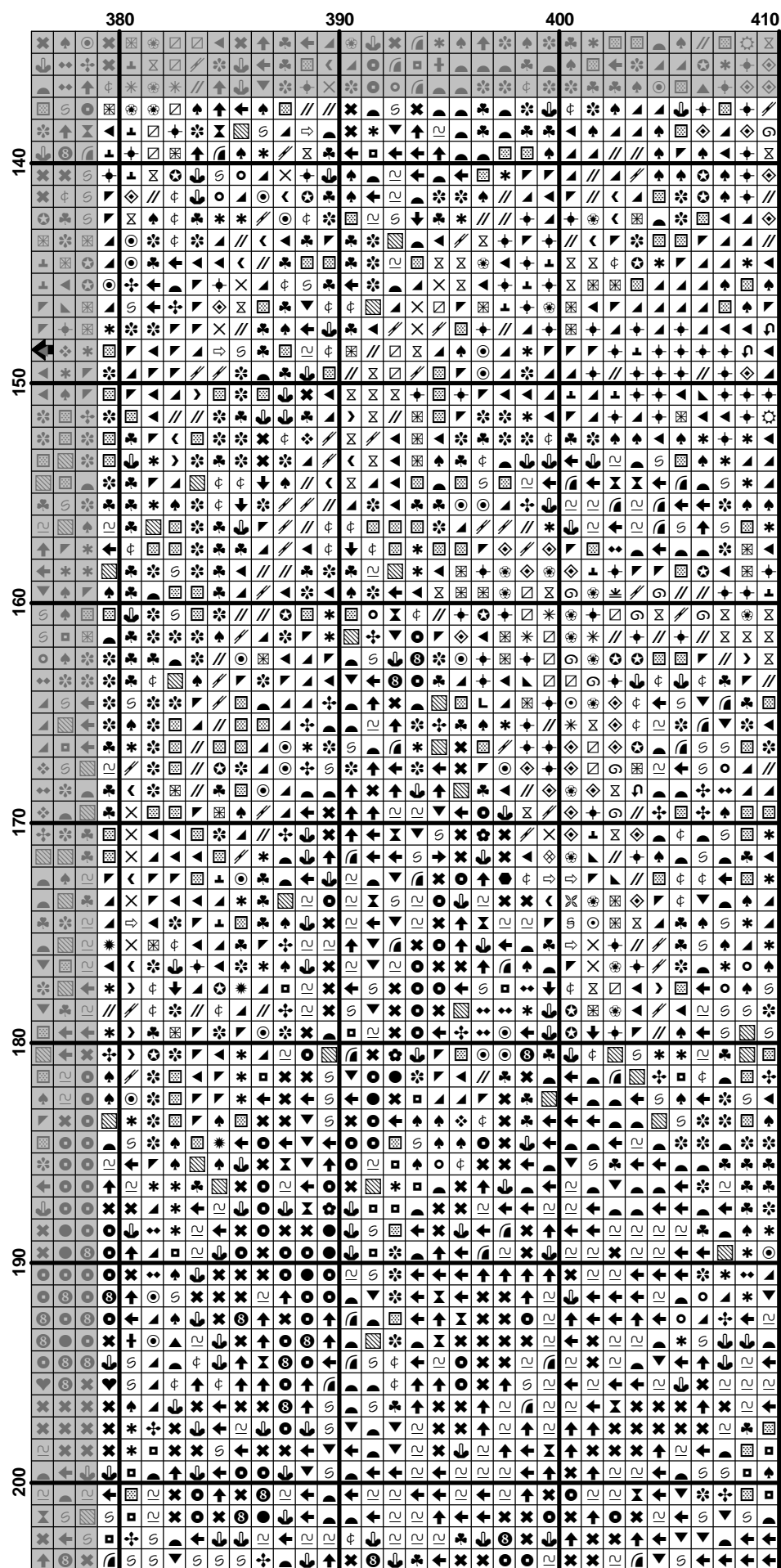
[illegible]

	190	200	210	220	230
140
150
160
170
180
190
200

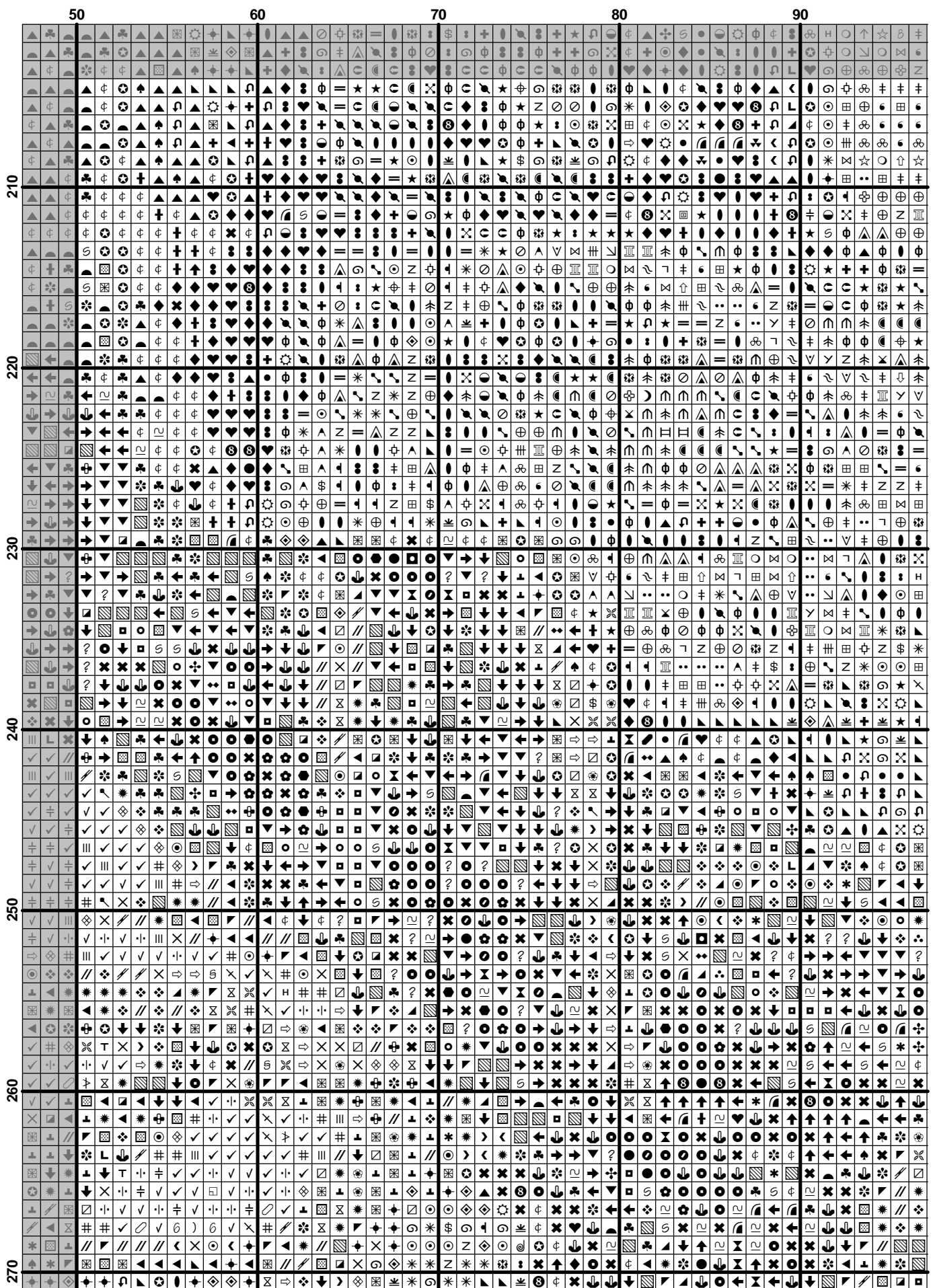
(34)







[illegible]



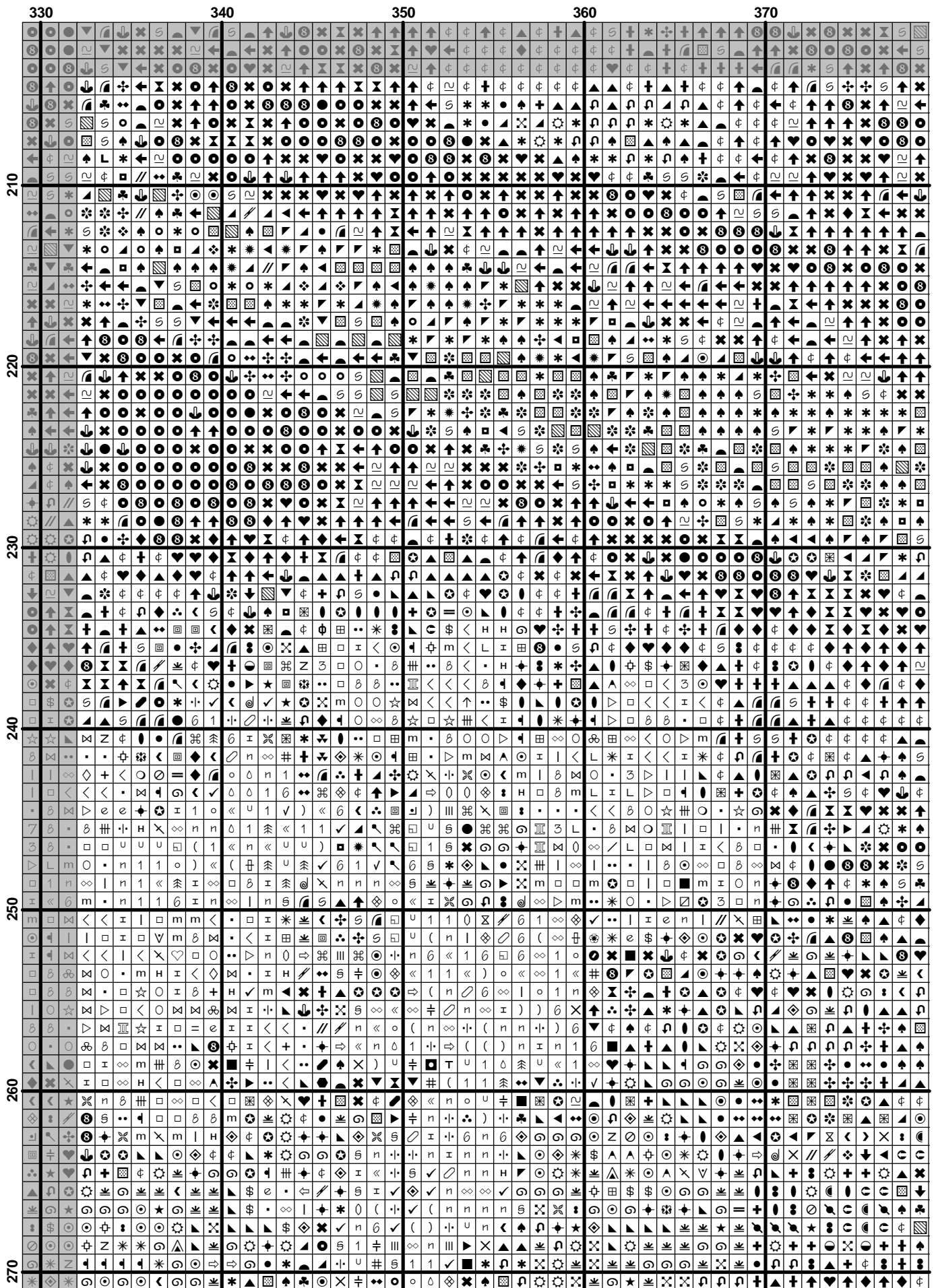
$$(39) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

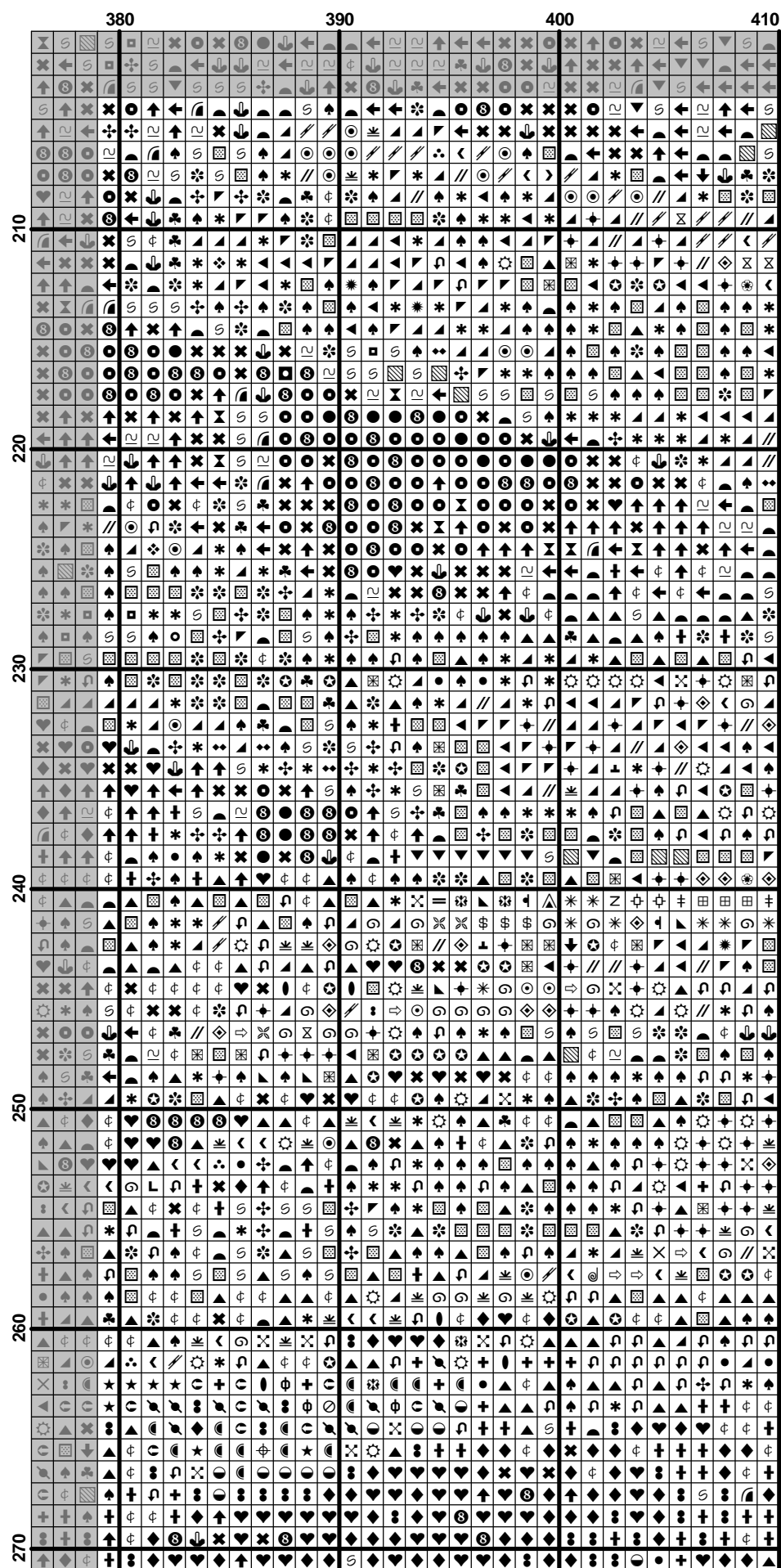
[illegible]

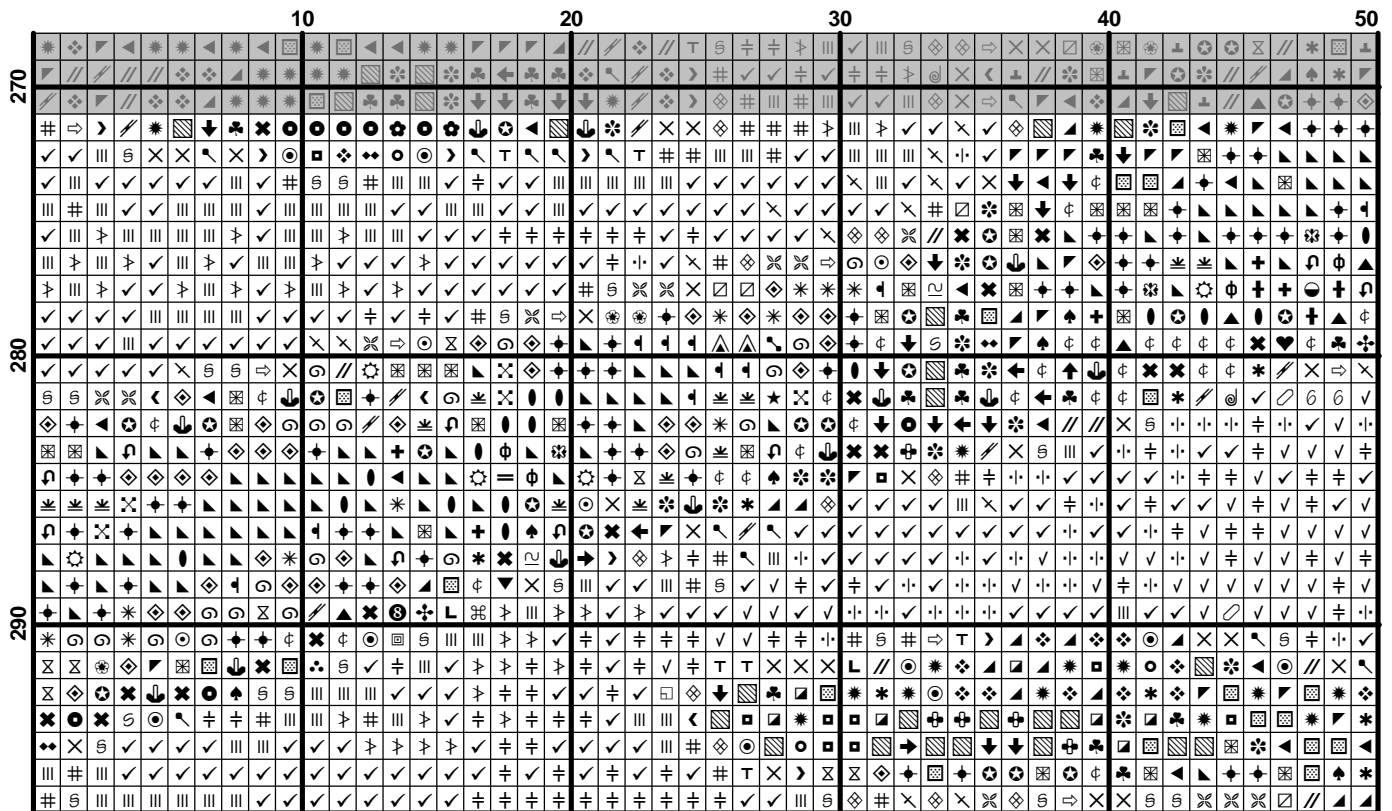
[illegible]

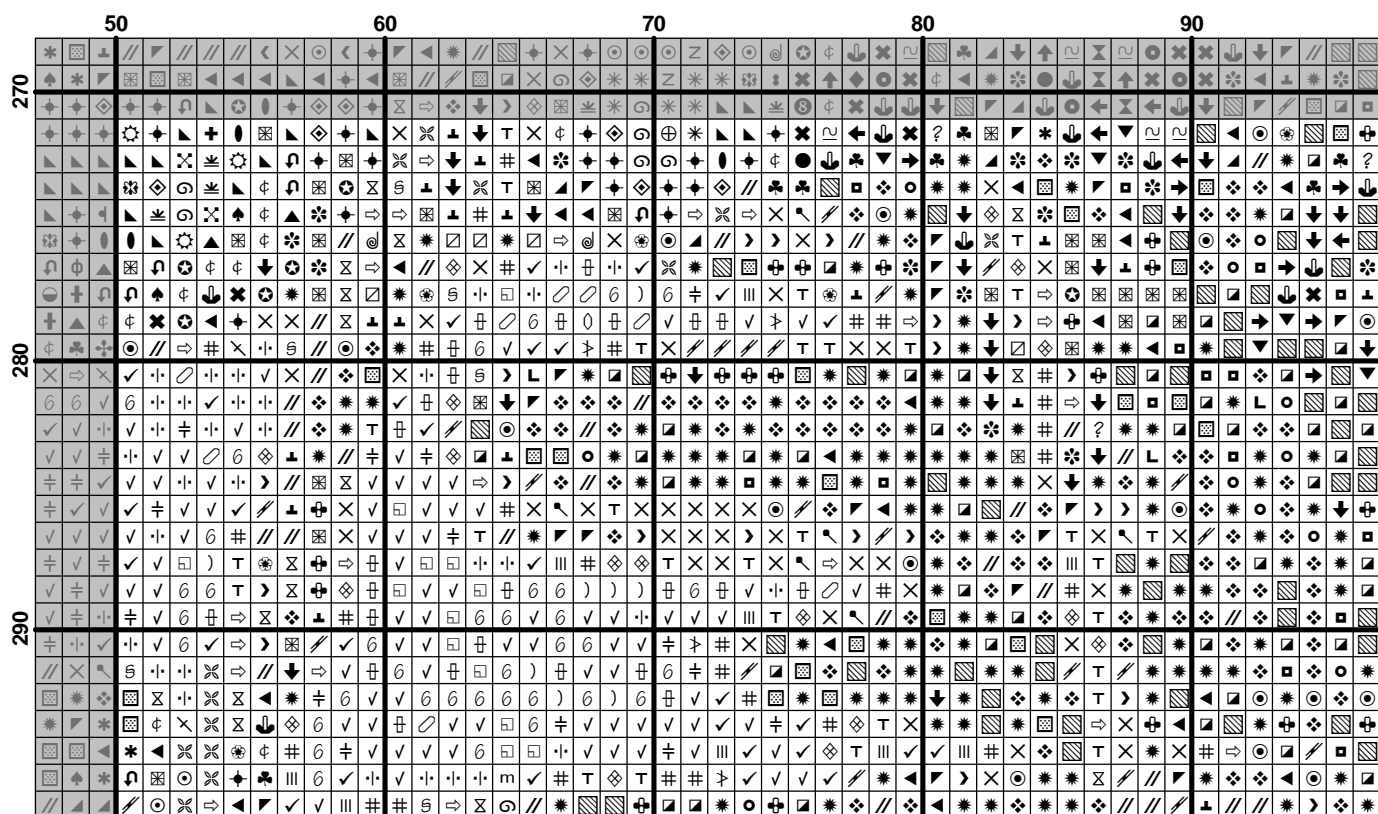
(43)

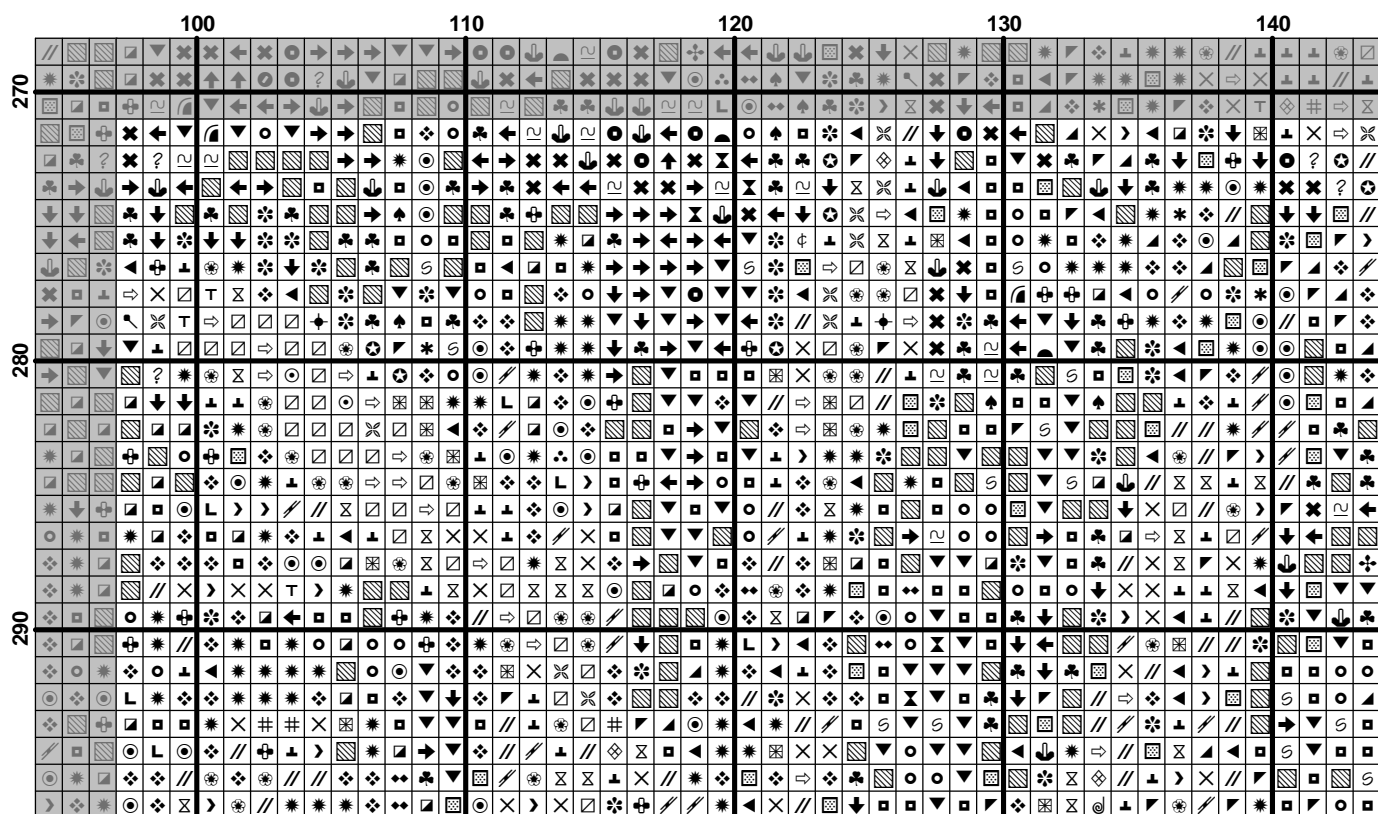
(44)

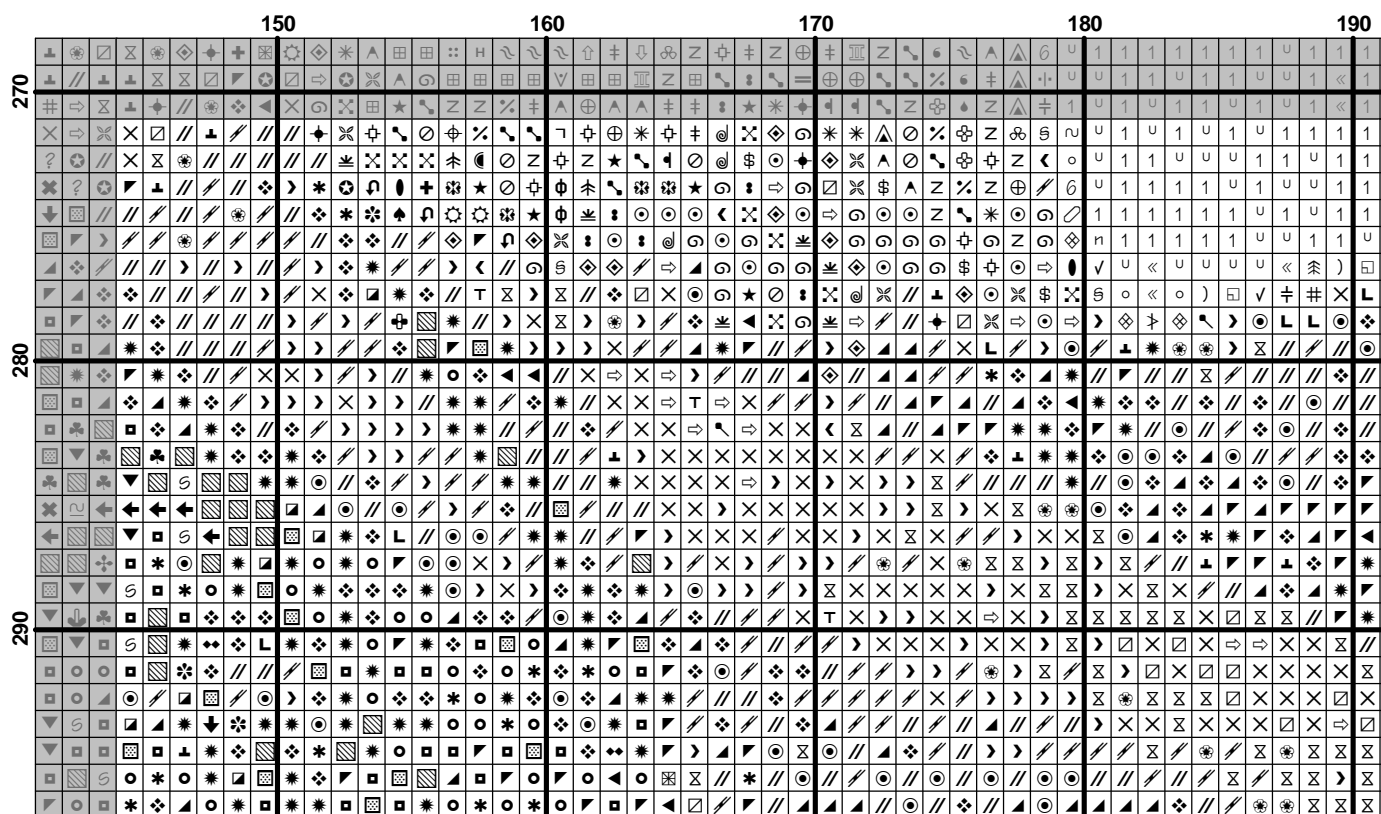


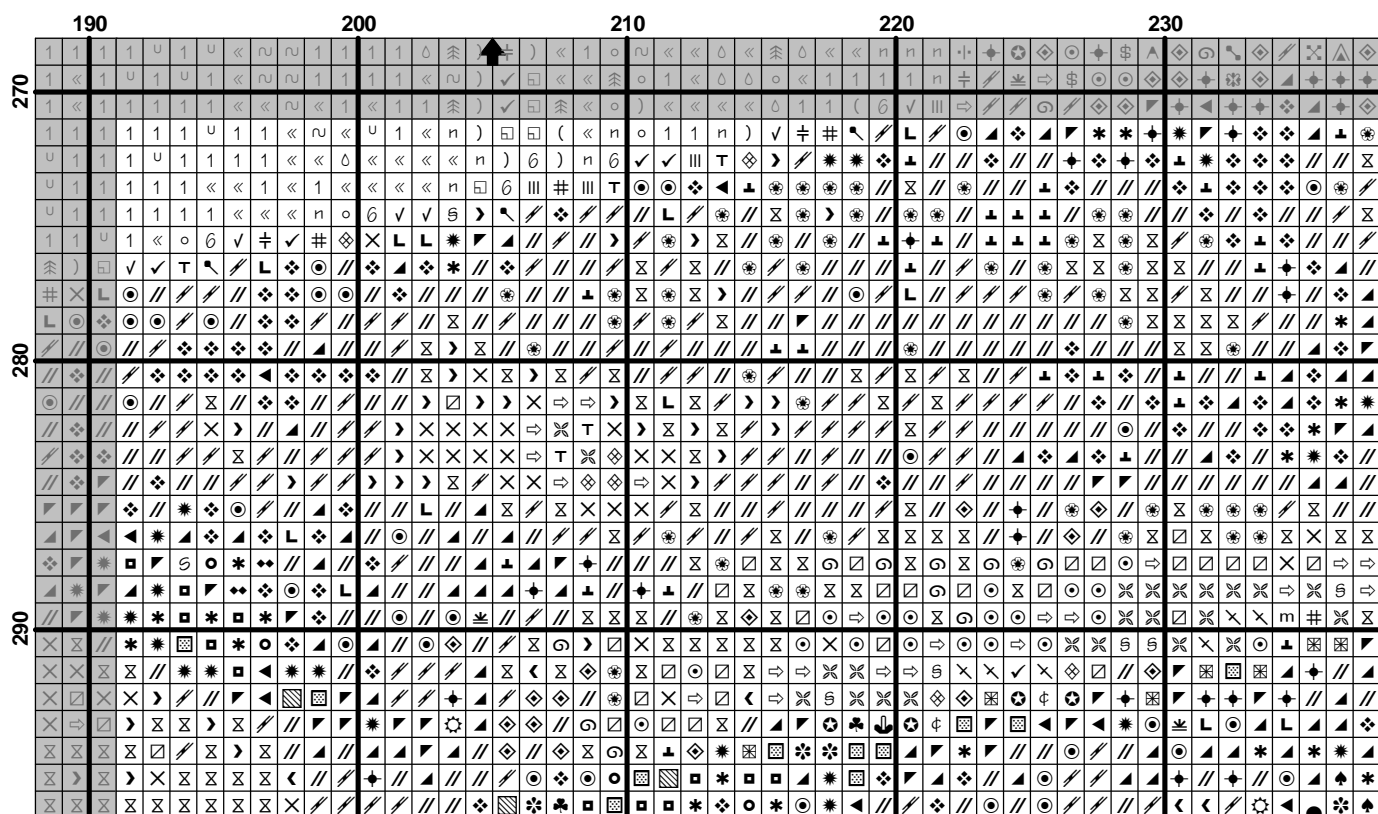


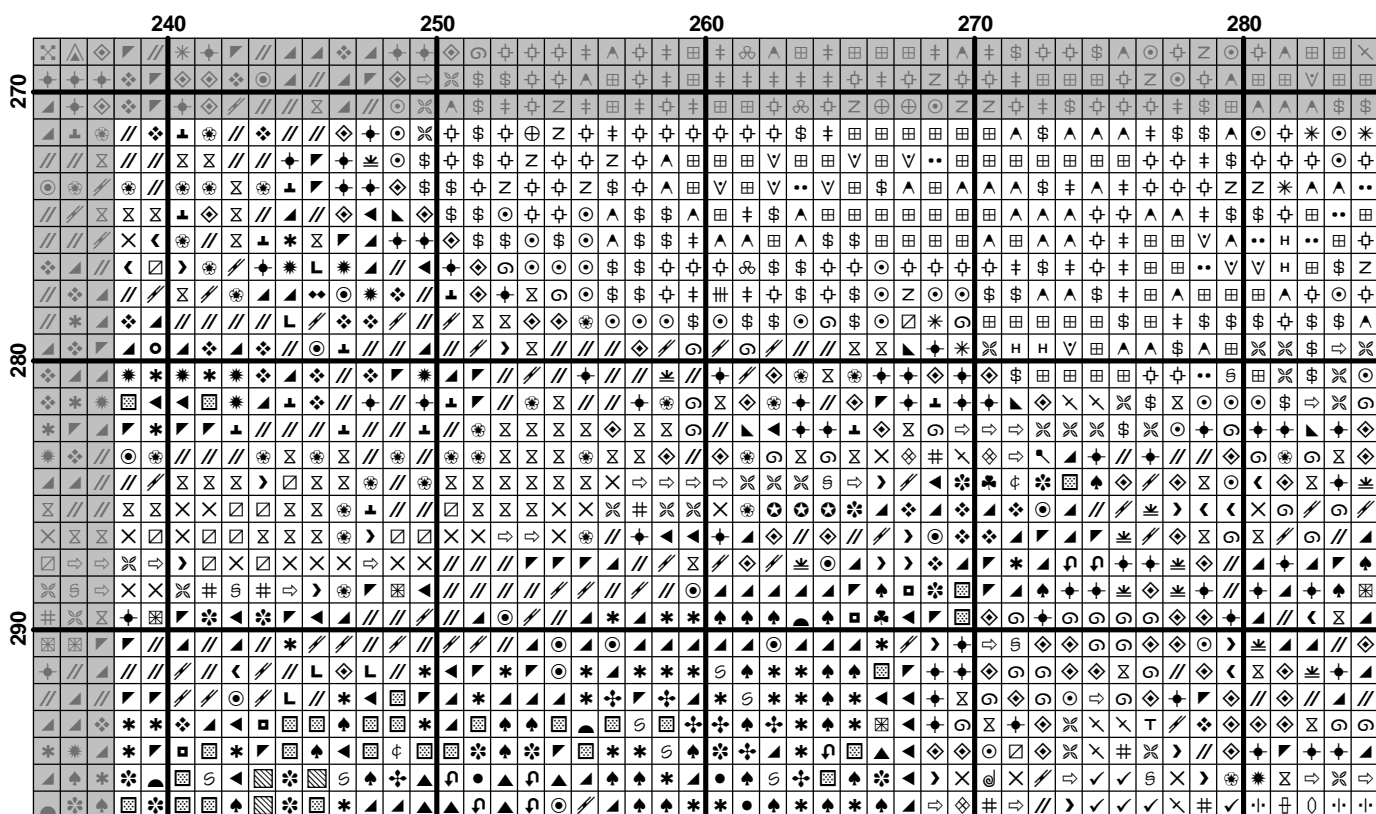


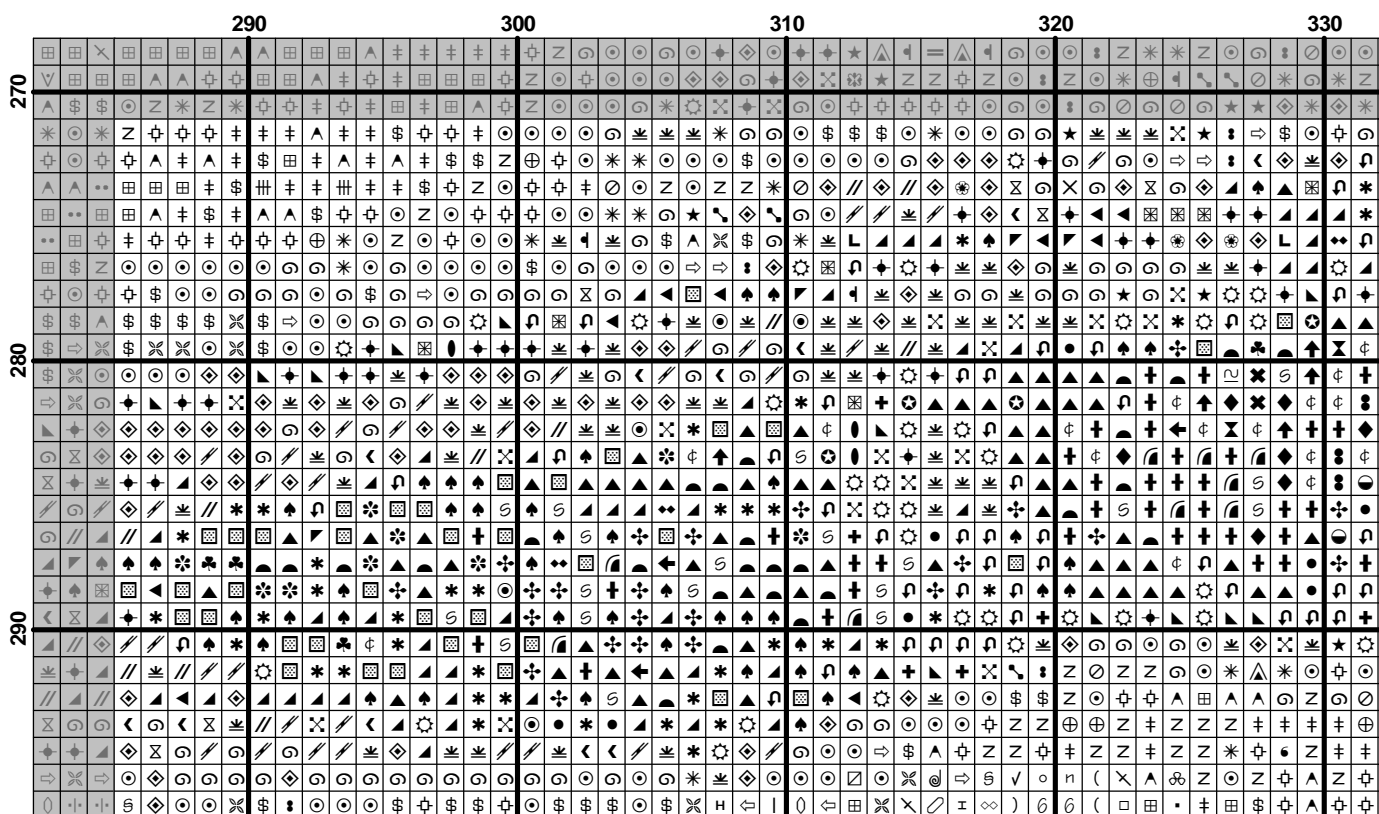












[illegible]

