

1280 Lesbia



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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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Lesbia

Stitch Count	
Horizontal:	400
Vertical:	651

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:	73	28.44	118	46.44	64	24.89	104	40.64	57	22.125	92	36.125
Including Margins:	89	35	134	53	80	31	120	47	73	29	108	43
	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	165	65.01	85	33.18	137	54.18	42	16.59	68	27.09
Including Margins:	118	46	181	72	101	40	153	61	58	23	84	34
	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	66	26	39	15.31	63	25	37	14.74	61	24.08
Including Margins:	56	22	82	33	55	22	79	32	53	21	77	31
	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	59	23.22	34	13.27	55	21.67	31	12.44	51	20.31
Including Margins:	52	21	75	30	50	20	71	28	47	19	67	27

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
■	310	Black
*	317	Pewter Gray
‡	371	Mustard
≈	372	Mustard-LT
◇	407	Desert Sand-DK
‡	413	Pewter Gray-DK
◊	414	Steel Gray-DK
c	415	Pearl Gray
5	437	Tan-LT
›	451	Shell Gray-DK
≡	452	Shell Gray-MD
:	453	Shell Gray-LT
⬢	500	Blue Green-VY DK
✱	501	Blue Green-DK
▲	503	Blue Green-MD
◇	522	Fern Green
◊	524	Fern Green-VY LT
⊕	535	Ash Gray-VY LT
<	543	Beige Brown-UL VY LT
△	597	Turquoise
+	598	Turquoise-LT
⊞	611	Drab Brown
‡	612	Drab Brown-LT
‡	613	Drab Brown-VY LT
↗	640	Beige Gray-VY DK
6	644	Beige Gray-MD
⊕	645	Beaver Gray-VY DK
⊕	646	Beaver Gray-DK
↑	647	Beaver Gray-MD
α	648	Beaver Gray-LT
«	712	Cream
4	738	Tan-VY LT
•	739	Tan-UL VY LT
1	746	Off White
#	807	Peacock Blue
l	822	Beige Gray-LT
↗	839	Beige Brown-DK
↔	842	Beige Brown-VY LT
♣	844	Beaver Brown-UL DK
↑	924	Gray Green--VY DK
◇	926	Gray Green-MD
::	927	Gray Green-LT
e	928	Gray Green-VY LT
‡	932	Antique Blue-LT
♥	934	Black Avocado Green

✕	935	Avocado Green-DK
○	950	Desert Sand-LT
=	964	Sea Green-LT
◊	992	Aquamarine-MD
=	3011	Khaki Green-DK
?	3013	Khaki Green-LT
◊	3021	Brown Gray-VY DK
◊	3022	Brown Gray-MD
◊	3023	Brown Gray-LT
L	3024	Brown Gray-VY LT
◊	3031	Mocha Brown-VY DK
⊞	3032	Mocha Brown-MD
>	3033	Mocha Brown-VY LT
‡	3046	Yellow Beige-MD
o	3047	Yellow Beige-LT
↘	3051	Green Gray-DK
⊞	3052	Green Gray-MD
⊞	3053	Green Gray
□	3072	Beaver Gray-VY LT
▨	3362	Pine Green-DK
○	3364	Pine Green
■	3371	Black Brown
β	3752	Antique Blue-VY LT
≈	3756	Baby Blue-UL VY LT
◇	3766	Peacock Blue-LT
◊	3768	Gray Green-DK
n	3770	Tawny-VY LT
✕	3772	Desert Sand-VY DK
∟	3774	Desert Sand-VY LT
♣	3781	Mocha Brown-DK
☆	3782	Mocha Brown-LT
▶	3787	Brown Gray-DK
↓	3799	Pewter Gray-VY DK
◊	3810	Turquoise-DK
)	3811	Turquoise-VY LT
7	3813	Blue Green-LT
✕	3816	Celadon Green-MD
▲	3848	Teal Green-MD
◊	3849	Teal Green-LT
✱	3860	Cocoa
◎	3861	Cocoa-LT
✱	3863	Mocha Beige-MD
u	3865	Winter White
^	3866	Mocha Brown-UL VY LT
◇	Ecrú	Ecrú

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.

Symbol	DMC1	Name1	DMC2	Name2
✕	414	Steel Gray-DK	927	Gray Green-LT
✕	317	Pewter Gray	926	Gray Green-MD
⌘	503	Blue Green-MD	646	Beaver Gray-DK
⌘	926	Gray Green-MD	646	Beaver Gray-DK
↖	414	Steel Gray-DK	503	Blue Green-MD
✓	927	Gray Green-LT	928	Gray Green-VY LT
■	844	Beaver Brown-UL DK	3021	Brown Gray-VY DK
//	3790	Beige Gray-UL DK	3863	Mocha Beige-MD
⊙	645	Beaver Gray-VY DK	3790	Beige Gray-UL DK
●	500	Blue Green-VY DK	310	Black
⊙	934	Black Avocado Green	3371	Black Brown
⌘	317	Pewter Gray	413	Pewter Gray-DK
↖	317	Pewter Gray	3815	Celadon Green-DK
◀	3815	Celadon Green-DK	535	Ash Gray-VY LT
⋮	924	Gray Green--VY DK	844	Beaver Brown-UL DK
♠	3815	Celadon Green-DK	413	Pewter Gray-DK
▼	501	Blue Green-DK	413	Pewter Gray-DK
↔	645	Beaver Gray-VY DK	3815	Celadon Green-DK
⋮	414	Steel Gray-DK	3810	Turquoise-DK
↖	3810	Turquoise-DK	3848	Teal Green-MD
⊕	3810	Turquoise-DK	926	Gray Green-MD
⊙	934	Black Avocado Green	935	Avocado Green-DK
⌘	3810	Turquoise-DK	3849	Teal Green-LT
∩	414	Steel Gray-DK	3849	Teal Green-LT
∇	927	Gray Green-LT	3849	Teal Green-LT
⊙	926	Gray Green-MD	3848	Teal Green-MD
∴	3766	Peacock Blue-LT	597	Turquoise
⌘	415	Pearl Gray	932	Antique Blue-LT
✕	844	Beaver Brown-UL DK	3799	Pewter Gray-VY DK
➔	3051	Green Gray-DK	3799	Pewter Gray-VY DK
—	932	Antique Blue-LT	993	Aquamarine-LT
⊕	315	Antique Mauve-VY DK	3787	Brown Gray-DK
⌘	926	Gray Green-MD	3363	Pine Green-MD
⬆	926	Gray Green-MD	645	Beaver Gray-VY DK
∩	932	Antique Blue-LT	598	Turquoise-LT
⊕	926	Gray Green-MD	3816	Celadon Green-MD
⊙	932	Antique Blue-LT	3810	Turquoise-DK
z	414	Steel Gray-DK	992	Aquamarine-MD
(3756	Baby Blue-UL VY LT	3811	Turquoise-VY LT
✓	932	Antique Blue-LT	3849	Teal Green-LT
⊕	992	Aquamarine-MD	3810	Turquoise-DK
z	992	Aquamarine-MD	3848	Teal Green-MD
⌘	437	Tan-LT	372	Mustard-LT
✕	407	Desert Sand-DK	841	Beige Brown-LT
m	407	Desert Sand-DK	437	Tan-LT
◁	407	Desert Sand-DK	738	Tan-VY LT
z	3053	Green Gray	612	Drab Brown-LT
↔	407	Desert Sand-DK	612	Drab Brown-LT
⬆	372	Mustard-LT	612	Drab Brown-LT
☾	611	Drab Brown	3011	Khaki Green-DK
9	613	Drab Brown-VY LT	3782	Mocha Brown-LT
⊙	611	Drab Brown	839	Beige Brown-DK
☾	3787	Brown Gray-DK	3860	Cocoa

☐	645	Beaver Gray-VY DK	844	Beaver Brown-UL DK
☐	645	Beaver Gray-VY DK	3740	Antique Violet-DK
☐	315	Antique Mauve-VY DK	844	Beaver Brown-UL DK
☐	844	Beaver Brown-UL DK	3787	Brown Gray-DK
☐	3022	Brown Gray-MD	3860	Cocoa
☐	315	Antique Mauve-VY DK	645	Beaver Gray-VY DK
☐	3772	Desert Sand-VY DK	3860	Cocoa
☐	315	Antique Mauve-VY DK	3790	Beige Gray-UL DK
☐	3772	Desert Sand-VY DK	3861	Cocoa-LT
☐	3022	Brown Gray-MD	3740	Antique Violet-DK
☐	3022	Brown Gray-MD	3772	Desert Sand-VY DK
☐	451	Shell Gray-DK	3860	Cocoa
☐	3860	Cocoa	3861	Cocoa-LT
☐	945	Tawny	950	Desert Sand-LT
☐	3031	Mocha Brown-VY DK	3799	Pewter Gray-VY DK
☐	3740	Antique Violet-DK	844	Beaver Brown-UL DK
☐	535	Ash Gray-VY LT	844	Beaver Brown-UL DK
☐	3849	Teal Green-LT	647	Beaver Gray-MD
☐	642	Beige Gray-DK	647	Beaver Gray-MD
☐	647	Beaver Gray-MD	3023	Brown Gray-LT
☐	927	Gray Green-LT	646	Beaver Gray-DK
☐	452	Shell Gray-MD	3861	Cocoa-LT
☐	3811	Turquoise-VY LT	3752	Antique Blue-VY LT
☐	934	Black Avocado Green	310	Black
☐	844	Beaver Brown-UL DK	3815	Celadon Green-DK
☐	924	Gray Green--VY DK	3362	Pine Green-DK
☐	772	Yellow Green-VY LT	3046	Yellow Beige-MD
☐	452	Shell Gray-MD	648	Beaver Gray-LT
☐	543	Beige Brown-UL VY LT	453	Shell Gray-LT
☐	613	Drab Brown-VY LT	369	Pistachio Green-VY LT
☐	950	Desert Sand-LT	842	Beige Brown-VY LT
☐	ecru	Ecru	3774	Desert Sand-VY LT
☐	3047	Yellow Beige-LT	746	Off White
☐	839	Beige Brown-DK	844	Beaver Brown-UL DK
☐	645	Beaver Gray-VY DK	3363	Pine Green-MD
☐	926	Gray Green-MD	503	Blue Green-MD
☐	535	Ash Gray-VY LT	645	Beaver Gray-VY DK
☐	3032	Mocha Brown-MD	3861	Cocoa-LT
☐	3772	Desert Sand-VY DK	407	Desert Sand-DK
☐	841	Beige Brown-LT	3861	Cocoa-LT
☐	841	Beige Brown-LT	3032	Mocha Brown-MD
☐	3032	Mocha Brown-MD	3860	Cocoa
☐	841	Beige Brown-LT	3782	Mocha Brown-LT
☐	3046	Yellow Beige-MD	3782	Mocha Brown-LT
☐	772	Yellow Green-VY LT	3782	Mocha Brown-LT
☐	3809	Turquoise-VY DK	3810	Turquoise-DK
☐	3809	Turquoise-VY DK	3848	Teal Green-MD
☐	3768	Gray Green-DK	3809	Turquoise-VY DK
☐	3809	Turquoise-VY DK	926	Gray Green-MD
☐	3768	Gray Green-DK	3848	Teal Green-MD
☐	646	Beaver Gray-DK	414	Steel Gray-DK
☐	646	Beaver Gray-DK	3740	Antique Violet-DK
☐	3047	Yellow Beige-LT	3866	Mocha Brown-UL VY LT
☐	3740	Antique Violet-DK	3787	Brown Gray-DK
☐	3860	Cocoa	3790	Beige Gray-UL DK
☐	611	Drab Brown	612	Drab Brown-LT
☐	407	Desert Sand-DK	611	Drab Brown

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	
310	Black	4988	1963	4750	1870	4275	1683
315	Antique Mauve-VY DK	36	14	34	13	30	11
317	Pewter Gray	461	181	439	172	395	155
369	Pistachio Green-VY LT	95	37	90	35	81	31
371	Mustard	14	5	14	5	12	4
372	Mustard-LT	63	24	60	23	54	21
407	Desert Sand-DK	140	55	133	52	120	47
413	Pewter Gray-DK	764	300	727	286	654	257
414	Steel Gray-DK	957	376	911	358	820	322
415	Pearl Gray	225	88	214	84	192	75
437	Tan-LT	17	6	16	6	14	5
451	Shell Gray-DK	486	191	463	182	416	163
452	Shell Gray-MD	1486	585	1415	557	1273	501
453	Shell Gray-LT	2381	937	2268	892	2041	803
500	Blue Green-VY DK	1916	754	1825	718	1642	646
501	Blue Green-DK	356	140	339	133	305	120
503	Blue Green-MD	787	309	749	294	674	265
522	Fern Green	205	80	195	76	175	68
524	Fern Green-VY LT	414	162	394	155	355	139
535	Ash Gray-VY LT	1687	664	1606	632	1446	569
543	Beige Brown-UL VY LT	954	375	909	357	818	322
597	Turquoise	217	85	207	81	186	73
598	Turquoise-LT	336	132	320	125	288	113
611	Drab Brown	72	28	69	27	62	24
612	Drab Brown-LT	102	40	97	38	87	34
613	Drab Brown-VY LT	526	207	501	197	451	177
640	Beige Gray-VY DK	227	89	216	85	194	76
642	Beige Gray-DK	192	75	183	72	165	64
644	Beige Gray-MD	789	310	752	296	677	266
645	Beaver Gray-VY DK	3525	1387	3357	1321	3021	1189
646	Beaver Gray-DK	2673	1052	2545	1001	2291	901
647	Beaver Gray-MD	1447	569	1378	542	1240	488
648	Beaver Gray-LT	2781	1094	2649	1042	2384	938
712	Cream	275	108	262	103	236	92
738	Tan-VY LT	69	27	66	25	59	23
739	Tan-UL VY LT	226	88	215	84	194	76
746	Off White	623	245	593	233	534	210
772	Yellow Green-VY LT	140	55	133	52	120	47
807	Peacock Blue	26	10	24	9	22	8
822	Beige Gray-LT	595	234	567	223	510	200
839	Beige Brown-DK	108	42	103	40	93	36
841	Beige Brown-LT	380	149	362	142	326	128
842	Beige Brown-VY LT	553	217	527	207	474	186
844	Beaver Brown-UL DK	3294	1296	3138	1235	2824	1111
924	Gray Green--VY DK	968	381	921	362	829	326
926	Gray Green-MD	2260	889	2152	847	1937	762
927	Gray Green-LT	2829	1113	2694	1060	2424	954
928	Gray Green-VY LT	1199	472	1142	449	1028	404
932	Antique Blue-LT	321	126	306	120	275	108
934	Black Avocado Green	4087	1609	3892	1532	3503	1379
935	Avocado Green-DK	1661	653	1582	622	1424	560
945	Tawny	7	2	7	2	6	2
950	Desert Sand-LT	144	56	137	53	124	48

964	Sea Green-LT	30	11	29	11	26	10
992	Aquamarine-MD	220	86	210	82	189	74
993	Aquamarine-LT	34	13	32	12	29	11
3011	Khaki Green-DK	24	9	23	9	21	8
3013	Khaki Green-LT	75	29	71	27	64	25
3021	Brown Gray-VY DK	291	114	277	109	250	98
3022	Brown Gray-MD	1342	528	1278	503	1150	452
3023	Brown Gray-LT	933	367	889	350	800	314
3024	Brown Gray-VY LT	590	232	562	221	506	199
3031	Mocha Brown-VY DK	629	247	599	235	539	212
3032	Mocha Brown-MD	626	246	596	234	537	211
3033	Mocha Brown-VY LT	281	110	267	105	240	94
3046	Yellow Beige-MD	128	50	122	48	109	42
3047	Yellow Beige-LT	796	313	758	298	682	268
3051	Green Gray-DK	616	242	586	230	528	207
3052	Green Gray-MD	135	53	128	50	115	45
3053	Green Gray	148	58	141	55	127	50
3072	Beaver Gray-VY LT	329	129	313	123	282	111
3362	Pine Green-DK	474	186	451	177	406	159
3363	Pine Green-MD	411	161	392	154	353	138
3364	Pine Green	95	37	91	35	82	32
3371	Black Brown	720	283	686	270	617	242
3740	Antique Violet-DK	826	325	786	309	708	278
3752	Antique Blue-VY LT	92	36	88	34	79	31
3756	Baby Blue-UL VY LT	38	14	36	14	32	12
3766	Peacock Blue-LT	317	124	302	118	271	106
3768	Gray Green-DK	120	47	114	44	103	40
3770	Tawny-VY LT	119	46	114	44	102	40
3772	Desert Sand-VY DK	248	97	237	93	213	83
3774	Desert Sand-VY LT	346	136	329	129	296	116
3781	Mocha Brown-DK	13	5	12	4	11	4
3782	Mocha Brown-LT	956	376	911	358	819	322
3787	Brown Gray-DK	1112	437	1059	416	953	375
3790	Beige Gray-UL DK	441	173	420	165	378	148
3799	Pewter Gray-VY DK	2524	993	2404	946	2163	851
3809	Turquoise-VY DK	136	53	130	51	117	46
3810	Turquoise-DK	666	262	635	250	571	224
3811	Turquoise-VY LT	101	39	96	37	86	33
3813	Blue Green-LT	81	31	77	30	69	27
3815	Celadon Green-DK	819	322	780	307	702	276
3816	Celadon Green-MD	118	46	112	44	101	39
3848	Teal Green-MD	246	96	234	92	210	82
3849	Teal Green-LT	547	215	521	205	468	184
3860	Cocoa	1115	438	1061	417	955	375
3861	Cocoa-LT	712	280	678	266	610	240
3863	Mocha Beige-MD	44	17	41	16	37	14
3865	Winter White	47	18	45	17	40	15
3866	Mocha Brown-UL VY LT	1003	394	955	375	860	338
ecru	Ecru	646	254	615	242	553	217

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
310	Black	7695	3029	6413	2525	3206	1262
315	Antique Mauve-VY DK	54	20	45	17	23	8
317	Pewter Gray	711	279	593	233	296	116

369	Pistachio Green-VY LT	146	56	122	47	61	23
371	Mustard	22	7	18	6	9	3
372	Mustard-LT	97	38	81	32	41	16
407	Desert Sand-DK	216	85	180	71	90	35
413	Pewter Gray-DK	1177	463	981	386	491	193
414	Steel Gray-DK	1476	580	1230	483	615	242
415	Pearl Gray	346	135	288	113	144	56
437	Tan-LT	25	9	21	8	11	4
451	Shell Gray-DK	749	293	624	245	312	122
452	Shell Gray-MD	2291	902	1910	752	955	376
453	Shell Gray-LT	3674	1445	3062	1205	1531	602
500	Blue Green-VY DK	2956	1163	2463	969	1232	485
501	Blue Green-DK	549	216	458	180	229	90
503	Blue Green-MD	1213	477	1011	398	506	199
522	Fern Green	315	122	263	102	131	51
524	Fern Green-VY LT	639	250	533	209	266	104
535	Ash Gray-VY LT	2603	1024	2169	854	1085	427
543	Beige Brown-UL VY LT	1472	580	1227	483	614	242
597	Turquoise	335	131	279	110	140	55
598	Turquoise-LT	518	203	432	170	216	85
611	Drab Brown	112	43	93	36	47	18
612	Drab Brown-LT	157	61	131	51	65	26
613	Drab Brown-VY LT	812	319	677	266	338	133
640	Beige Gray-VY DK	349	137	291	114	146	57
642	Beige Gray-DK	297	115	248	96	124	48
644	Beige Gray-MD	1219	479	1016	399	508	200
645	Beaver Gray-VY DK	5438	2140	4532	1784	2266	892
646	Beaver Gray-DK	4124	1622	3437	1352	1718	676
647	Beaver Gray-MD	2232	878	1860	732	930	366
648	Beaver Gray-LT	4291	1688	3576	1407	1788	704
712	Cream	425	166	354	138	177	69
738	Tan-VY LT	106	41	89	35	44	17
739	Tan-UL VY LT	349	137	291	114	146	57
746	Off White	961	378	801	315	401	158
772	Yellow Green-VY LT	216	85	180	71	90	35
807	Peacock Blue	40	14	33	12	17	6
822	Beige Gray-LT	918	360	765	300	383	150
839	Beige Brown-DK	167	65	140	54	70	27
841	Beige Brown-LT	587	230	489	192	245	96
842	Beige Brown-VY LT	853	335	711	279	356	140
844	Beaver Brown-UL DK	5083	2000	4236	1667	2118	833
924	Gray Green--VY DK	1492	587	1244	489	622	245
926	Gray Green-MD	3487	1372	2906	1143	1453	572
927	Gray Green-LT	4363	1717	3636	1431	1818	716
928	Gray Green-VY LT	1850	727	1542	606	771	303
932	Antique Blue-LT	495	194	413	162	206	81
934	Black Avocado Green	6305	2482	5255	2069	2627	1034
935	Avocado Green-DK	2563	1008	2136	840	1068	420
945	Tawny	11	4	9	3	5	2
950	Desert Sand-LT	223	86	186	72	93	36
964	Sea Green-LT	47	18	39	15	20	8
992	Aquamarine-MD	340	133	284	111	142	56
993	Aquamarine-LT	52	20	44	17	22	8
3011	Khaki Green-DK	38	14	32	12	16	6
3013	Khaki Green-LT	115	45	96	38	48	19
3021	Brown Gray-VY DK	450	176	375	147	188	74
3022	Brown Gray-MD	2070	814	1725	678	863	339
3023	Brown Gray-LT	1440	565	1200	471	600	236
3024	Brown Gray-VY LT	911	358	759	299	380	149

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3031	Mocha Brown-VY DK	970	382	809	318	404	159
3032	Mocha Brown-MD	967	380	806	317	403	158
3033	Mocha Brown-VY LT	432	169	360	141	180	71
3046	Yellow Beige-MD	196	76	164	63	82	32
3047	Yellow Beige-LT	1228	482	1023	402	512	201
3051	Green Gray-DK	950	373	792	311	396	155
3052	Green Gray-MD	207	81	173	68	86	34
3053	Green Gray	229	90	191	75	95	38
3072	Beaver Gray-VY LT	508	200	423	167	212	83
3362	Pine Green-DK	731	286	609	239	305	119
3363	Pine Green-MD	635	248	530	207	265	104
3364	Pine Green	148	58	123	48	62	24
3371	Black Brown	1111	436	926	363	463	182
3740	Antique Violet-DK	1274	500	1062	417	531	209
3752	Antique Blue-VY LT	142	56	119	47	59	23
3756	Baby Blue-UL VY LT	58	22	48	18	24	9
3766	Peacock Blue-LT	488	191	407	159	203	80
3768	Gray Green-DK	185	72	155	60	77	30
3770	Tawny-VY LT	184	72	153	60	77	30
3772	Desert Sand-VY DK	383	149	320	125	160	62
3774	Desert Sand-VY LT	533	209	444	174	222	87
3781	Mocha Brown-DK	20	7	17	6	8	3
3782	Mocha Brown-LT	1474	580	1229	483	614	242
3787	Brown Gray-DK	1715	675	1430	563	715	281
3790	Beige Gray-UL DK	680	266	567	222	284	111
3799	Pewter Gray-VY DK	3893	1532	3245	1277	1622	638
3809	Turquoise-VY DK	211	83	176	69	88	35
3810	Turquoise-DK	1028	403	857	336	428	168
3811	Turquoise-VY LT	155	59	129	50	65	25
3813	Blue Green-LT	124	49	104	41	52	20
3815	Celadon Green-DK	1264	497	1053	414	527	207
3816	Celadon Green-MD	182	70	152	59	76	29
3848	Teal Green-MD	378	148	315	123	158	62
3849	Teal Green-LT	842	331	702	276	351	138
3860	Cocoa	1719	675	1433	563	716	281
3861	Cocoa-LT	1098	432	915	360	458	180
3863	Mocha Beige-MD	67	25	56	21	28	11
3865	Winter White	72	27	60	23	30	11
3866	Mocha Brown-UL VY LT	1548	608	1290	507	645	254
ecru	Ecru	995	391	830	326	415	163

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
310	Black	3078	1212	2960	1165	2850	1122
315	Antique Mauve-VY DK	22	8	21	8	20	7
317	Pewter Gray	284	112	273	107	263	103
369	Pistachio Green-VY LT	58	22	56	21	54	21
371	Mustard	9	3	8	3	8	3
372	Mustard-LT	39	15	37	15	36	14
407	Desert Sand-DK	86	34	83	33	80	31
413	Pewter Gray-DK	471	185	453	178	436	171
414	Steel Gray-DK	590	232	568	223	547	215
415	Pearl Gray	138	54	133	52	128	50
437	Tan-LT	10	4	10	3	9	3
451	Shell Gray-DK	300	117	288	113	277	109

452	Shell Gray-MD	917	361	881	347	849	334
453	Shell Gray-LT	1470	578	1413	556	1361	535
500	Blue Green-VY DK	1182	465	1137	447	1095	431
501	Blue Green-DK	220	86	211	83	203	80
503	Blue Green-MD	485	191	467	183	449	177
522	Fern Green	126	49	121	47	117	45
524	Fern Green-VY LT	256	100	246	96	237	93
535	Ash Gray-VY LT	1041	410	1001	394	964	379
543	Beige Brown-UL VY LT	589	232	566	223	545	215
597	Turquoise	134	53	129	51	124	49
598	Turquoise-LT	207	81	199	78	192	75
611	Drab Brown	45	17	43	17	41	16
612	Drab Brown-LT	63	24	60	24	58	23
613	Drab Brown-VY LT	325	127	312	123	301	118
640	Beige Gray-VY DK	140	55	134	53	129	51
642	Beige Gray-DK	119	46	114	44	110	43
644	Beige Gray-MD	487	192	469	184	451	177
645	Beaver Gray-VY DK	2175	856	2091	823	2014	793
646	Beaver Gray-DK	1650	649	1586	624	1527	601
647	Beaver Gray-MD	893	351	858	338	827	325
648	Beaver Gray-LT	1716	675	1650	649	1589	625
712	Cream	170	66	163	64	157	61
738	Tan-VY LT	42	17	41	16	39	15
739	Tan-UL VY LT	140	55	134	53	129	51
746	Off White	384	151	370	145	356	140
772	Yellow Green-VY LT	86	34	83	33	80	31
807	Peacock Blue	16	6	15	6	15	5
822	Beige Gray-LT	367	144	353	138	340	133
839	Beige Brown-DK	67	26	64	25	62	24
841	Beige Brown-LT	235	92	226	89	217	85
842	Beige Brown-VY LT	341	134	328	129	316	124
844	Beaver Brown-UL DK	2033	800	1955	769	1883	741
924	Gray Green--VY DK	597	235	574	226	553	217
926	Gray Green-MD	1395	549	1341	528	1291	508
927	Gray Green-LT	1745	687	1678	660	1616	636
928	Gray Green-VY LT	740	291	712	280	685	269
932	Antique Blue-LT	198	78	190	75	183	72
934	Black Avocado Green	2522	993	2425	955	2335	919
935	Avocado Green-DK	1025	403	986	388	949	373
945	Tawny	4	1	4	1	4	1
950	Desert Sand-LT	89	35	86	33	83	32
964	Sea Green-LT	19	7	18	7	17	7
992	Aquamarine-MD	136	53	131	51	126	49
993	Aquamarine-LT	21	8	20	8	19	7
3011	Khaki Green-DK	15	6	15	6	14	5
3013	Khaki Green-LT	46	18	44	17	43	17
3021	Brown Gray-VY DK	180	71	173	68	167	65
3022	Brown Gray-MD	828	325	796	313	767	301
3023	Brown Gray-LT	576	226	554	217	533	209
3024	Brown Gray-VY LT	364	143	350	138	337	133
3031	Mocha Brown-VY DK	388	153	373	147	359	141
3032	Mocha Brown-MD	387	152	372	146	358	141
3033	Mocha Brown-VY LT	173	68	166	65	160	63
3046	Yellow Beige-MD	78	30	75	29	73	28
3047	Yellow Beige-LT	491	193	472	186	455	179
3051	Green Gray-DK	380	149	366	143	352	138
3052	Green Gray-MD	83	32	80	31	77	30
3053	Green Gray	91	36	88	35	85	33
3072	Beaver Gray-VY LT	203	80	195	77	188	74

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3362	Pine Green-DK	292	114	281	110	271	106
3363	Pine Green-MD	254	99	244	96	235	92
3364	Pine Green	59	23	57	22	55	21
3371	Black Brown	444	174	427	168	411	161
3740	Antique Violet-DK	510	200	490	192	472	185
3752	Antique Blue-VY LT	57	22	55	21	53	21
3756	Baby Blue-UL VY LT	23	9	22	8	21	8
3766	Peacock Blue-LT	195	76	188	73	181	71
3768	Gray Green-DK	74	29	71	28	69	27
3770	Tawny-VY LT	73	29	71	28	68	27
3772	Desert Sand-VY DK	153	60	147	57	142	55
3774	Desert Sand-VY LT	213	84	205	80	197	77
3781	Mocha Brown-DK	8	3	8	3	7	3
3782	Mocha Brown-LT	590	232	567	223	546	215
3787	Brown Gray-DK	686	270	660	260	635	250
3790	Beige Gray-UL DK	272	107	262	102	252	99
3799	Pewter Gray-VY DK	1557	613	1497	589	1442	567
3809	Turquoise-VY DK	84	33	81	32	78	31
3810	Turquoise-DK	411	161	395	155	381	149
3811	Turquoise-VY LT	62	24	60	23	57	22
3813	Blue Green-LT	50	19	48	19	46	18
3815	Celadon Green-DK	505	199	486	191	468	184
3816	Celadon Green-MD	73	28	70	27	67	26
3848	Teal Green-MD	151	59	145	57	140	55
3849	Teal Green-LT	337	132	324	127	312	123
3860	Cocoa	688	270	661	260	637	250
3861	Cocoa-LT	439	173	422	166	407	160
3863	Mocha Beige-MD	27	10	26	10	25	9
3865	Winter White	29	11	28	10	27	10
3866	Mocha Brown-UL VY LT	619	243	595	234	573	225
ecru	Ecru	398	156	383	150	369	145

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
310	Black	2748	1082	2565	1010	2405	947
315	Antique Mauve-VY DK	19	7	18	7	17	6
317	Pewter Gray	254	100	237	93	222	87
369	Pistachio Green-VY LT	52	20	49	19	46	17
371	Mustard	8	3	7	2	7	2
372	Mustard-LT	35	14	32	13	30	12
407	Desert Sand-DK	77	30	72	28	68	26
413	Pewter Gray-DK	420	165	392	154	368	145
414	Steel Gray-DK	527	207	492	193	461	181
415	Pearl Gray	123	48	115	45	108	42
437	Tan-LT	9	3	8	3	8	3
451	Shell Gray-DK	267	105	250	98	234	92
452	Shell Gray-MD	818	322	764	301	716	282
453	Shell Gray-LT	1312	516	1225	482	1148	452
500	Blue Green-VY DK	1056	415	985	388	924	363
501	Blue Green-DK	196	77	183	72	172	68
503	Blue Green-MD	433	170	404	159	379	149
522	Fern Green	113	44	105	41	98	38
524	Fern Green-VY LT	228	89	213	83	200	78
535	Ash Gray-VY LT	930	366	868	341	813	320
543	Beige Brown-UL VY LT	526	207	491	193	460	181

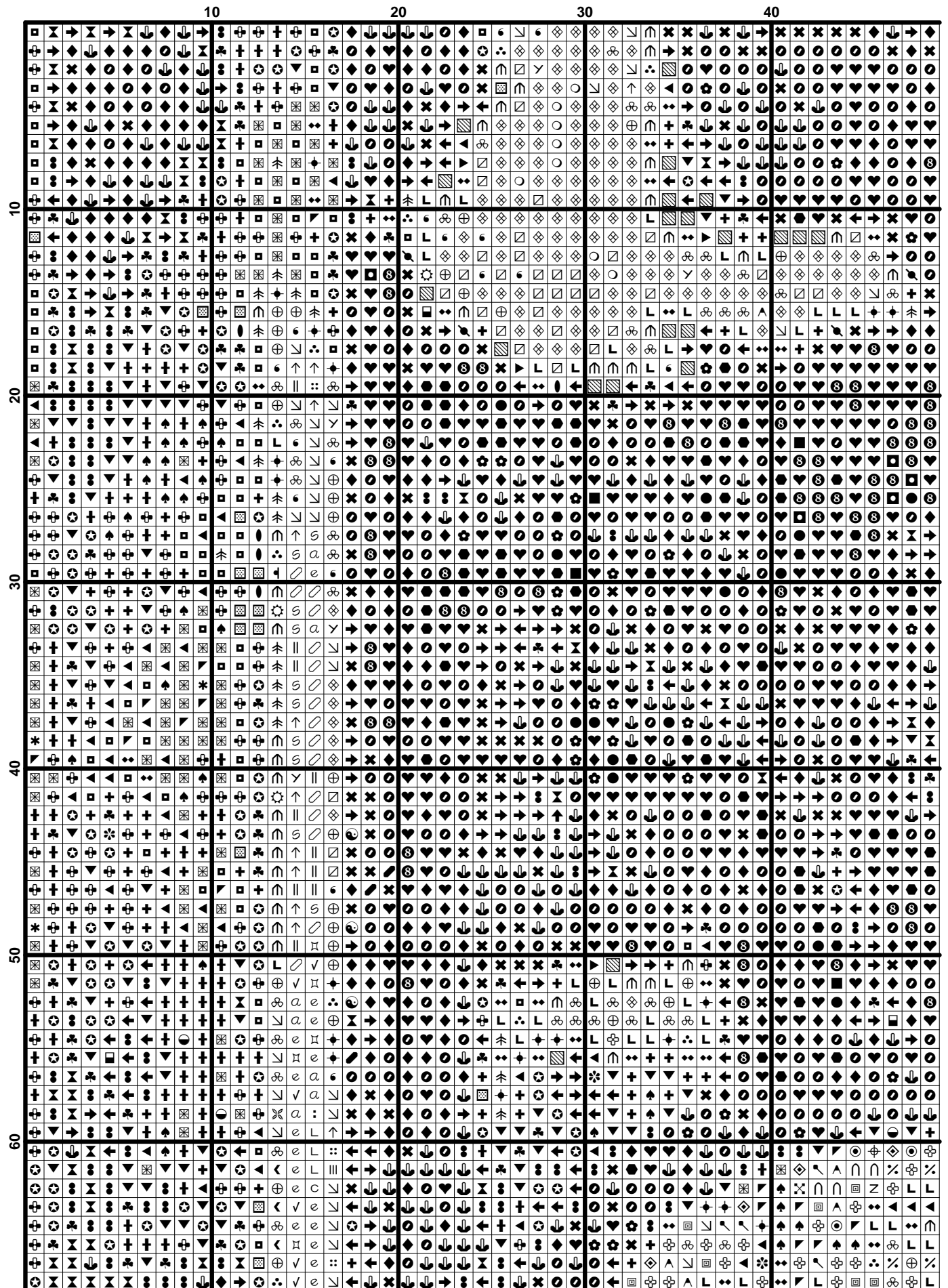
597	Turquoise	120	47	112	44	105	41
598	Turquoise-LT	185	73	173	68	162	64
611	Drab Brown	40	15	37	14	35	14
612	Drab Brown-LT	56	22	52	20	49	19
613	Drab Brown-VY LT	290	114	271	106	254	100
640	Beige Gray-VY DK	125	49	116	46	109	43
642	Beige Gray-DK	106	41	99	38	93	36
644	Beige Gray-MD	435	171	406	160	381	150
645	Beaver Gray-VY DK	1942	764	1813	713	1699	669
646	Beaver Gray-DK	1473	579	1375	541	1289	507
647	Beaver Gray-MD	797	314	744	293	698	275
648	Beaver Gray-LT	1533	603	1430	563	1341	528
712	Cream	152	59	142	55	133	52
738	Tan-VY LT	38	15	35	14	33	13
739	Tan-UL VY LT	125	49	116	46	109	43
746	Off White	343	135	320	126	300	118
772	Yellow Green-VY LT	77	30	72	28	68	26
807	Peacock Blue	14	5	13	5	12	5
822	Beige Gray-LT	328	129	306	120	287	113
839	Beige Brown-DK	60	23	56	22	52	20
841	Beige Brown-LT	210	82	196	77	183	72
842	Beige Brown-VY LT	305	120	284	112	267	105
844	Beaver Brown-UL DK	1815	714	1694	667	1589	625
924	Gray Green--VY DK	533	210	497	196	466	183
926	Gray Green-MD	1245	490	1162	457	1090	429
927	Gray Green-LT	1558	613	1454	572	1364	537
928	Gray Green-VY LT	661	260	617	242	578	227
932	Antique Blue-LT	177	69	165	65	155	61
934	Black Avocado Green	2252	887	2102	827	1970	776
935	Avocado Green-DK	915	360	854	336	801	315
945	Tawny	4	1	4	1	3	1
950	Desert Sand-LT	80	31	74	29	70	27
964	Sea Green-LT	17	6	16	6	15	6
992	Aquamarine-MD	122	48	113	44	106	42
993	Aquamarine-LT	19	7	17	7	16	6
3011	Khaki Green-DK	14	5	13	5	12	5
3013	Khaki Green-LT	41	16	38	15	36	14
3021	Brown Gray-VY DK	161	63	150	59	141	55
3022	Brown Gray-MD	739	291	690	271	647	254
3023	Brown Gray-LT	514	202	480	188	450	177
3024	Brown Gray-VY LT	325	128	304	119	285	112
3031	Mocha Brown-VY DK	347	136	323	127	303	119
3032	Mocha Brown-MD	345	136	322	127	302	119
3033	Mocha Brown-VY LT	154	60	144	56	135	53
3046	Yellow Beige-MD	70	27	65	25	61	24
3047	Yellow Beige-LT	438	172	409	161	384	151
3051	Green Gray-DK	339	133	317	124	297	116
3052	Green Gray-MD	74	29	69	27	65	25
3053	Green Gray	82	32	76	30	71	28
3072	Beaver Gray-VY LT	181	71	169	67	159	62
3362	Pine Green-DK	261	102	244	95	228	89
3363	Pine Green-MD	227	89	212	83	199	78
3364	Pine Green	53	21	49	19	46	18
3371	Black Brown	397	156	370	145	347	136
3740	Antique Violet-DK	455	179	425	167	398	156
3752	Antique Blue-VY LT	51	20	47	19	44	17
3756	Baby Blue-UL VY LT	21	8	19	7	18	7
3766	Peacock Blue-LT	174	68	163	64	152	60
3768	Gray Green-DK	66	26	62	24	58	23

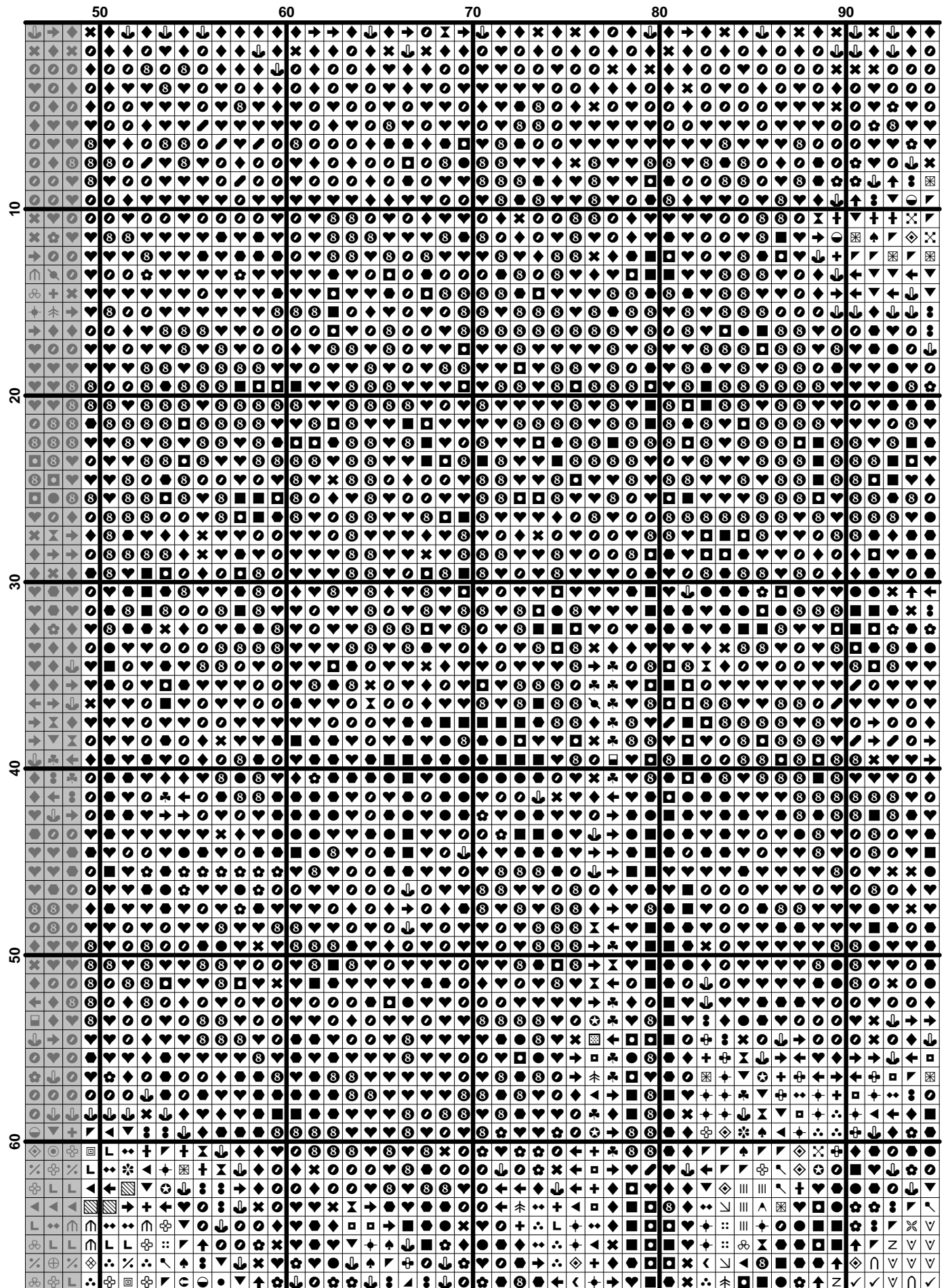
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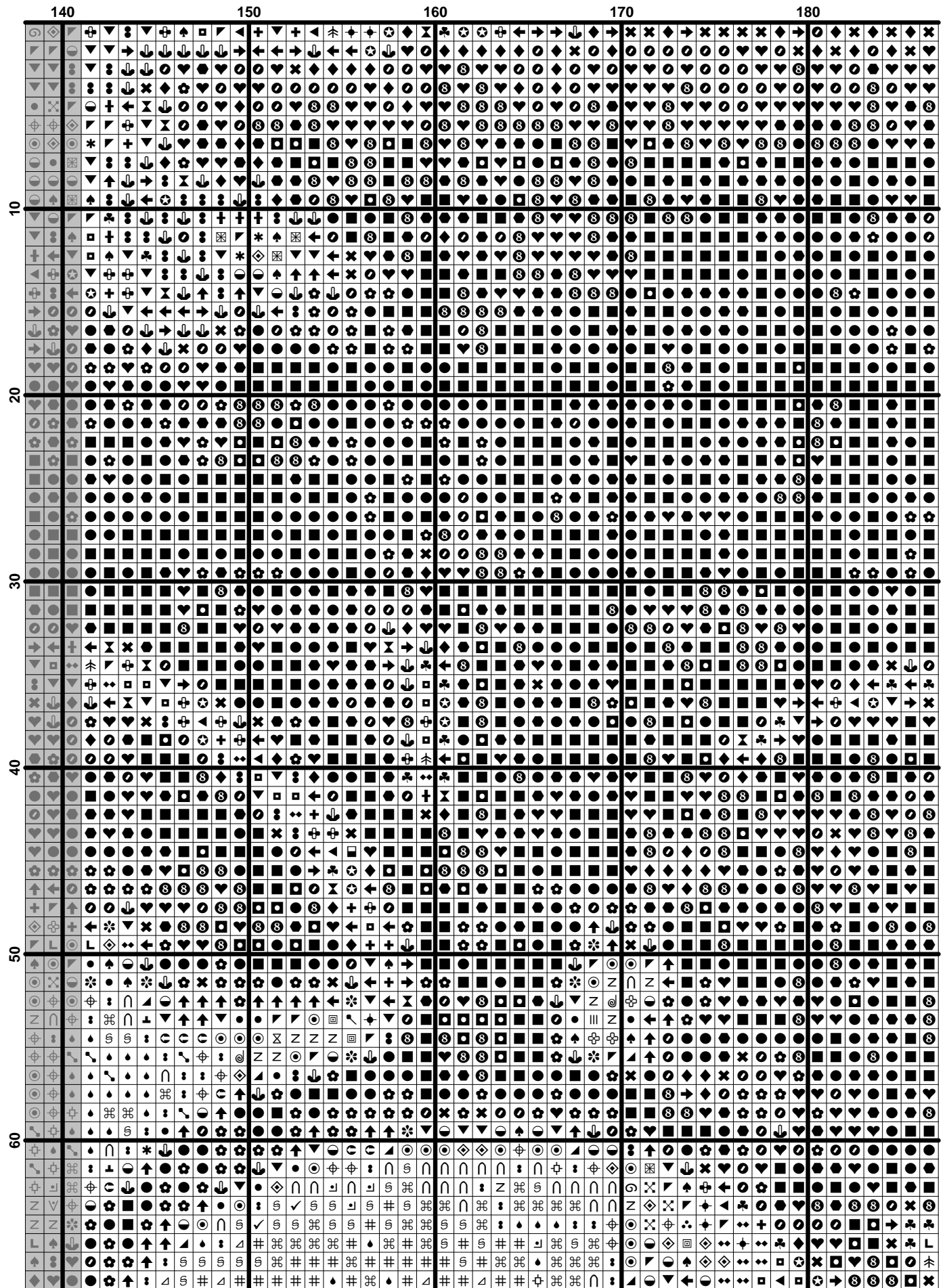
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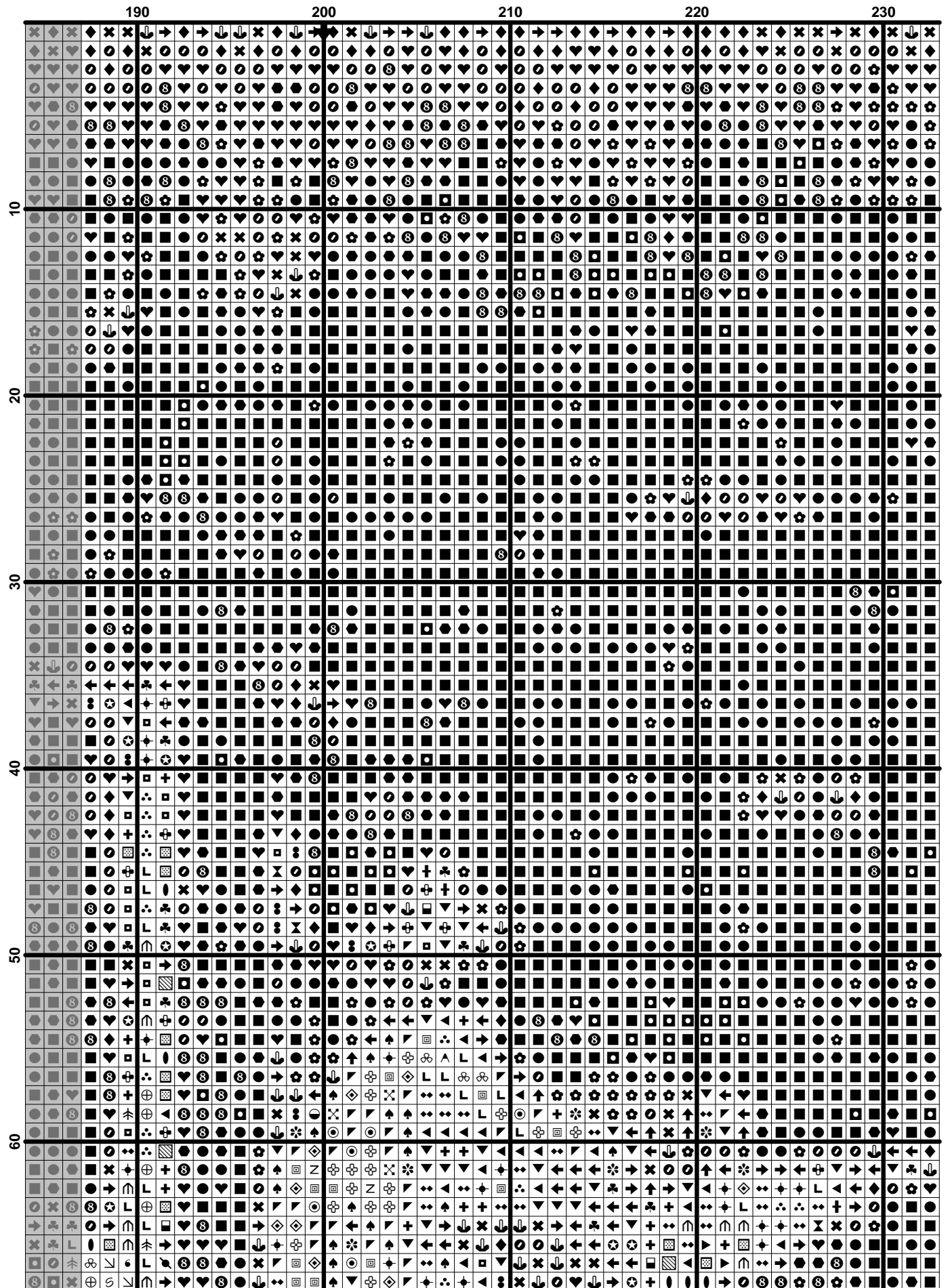
3770	Tawny-VY LT	66	26	61	24	57	23
3772	Desert Sand-VY DK	137	53	128	50	120	47
3774	Desert Sand-VY LT	190	75	178	70	167	65
3781	Mocha Brown-DK	7	3	7	2	6	2
3782	Mocha Brown-LT	527	207	491	193	461	181
3787	Brown Gray-DK	613	241	572	225	536	211
3790	Beige Gray-UL DK	243	95	227	89	213	83
3799	Pewter Gray-VY DK	1391	547	1298	511	1217	479
3809	Turquoise-VY DK	75	30	70	28	66	26
3810	Turquoise-DK	367	144	343	134	321	126
3811	Turquoise-VY LT	55	21	52	20	48	19
3813	Blue Green-LT	44	17	41	16	39	15
3815	Celadon Green-DK	451	177	421	166	395	155
3816	Celadon Green-MD	65	25	61	23	57	22
3848	Teal Green-MD	135	53	126	49	118	46
3849	Teal Green-LT	301	118	281	110	263	104
3860	Cocoa	614	241	573	225	537	211
3861	Cocoa-LT	392	154	366	144	343	135
3863	Mocha Beige-MD	24	9	22	8	21	8
3865	Winter White	26	10	24	9	23	8
3866	Mocha Brown-UL VY LT	553	217	516	203	484	190
ecru	Ecru	356	140	332	130	311	122

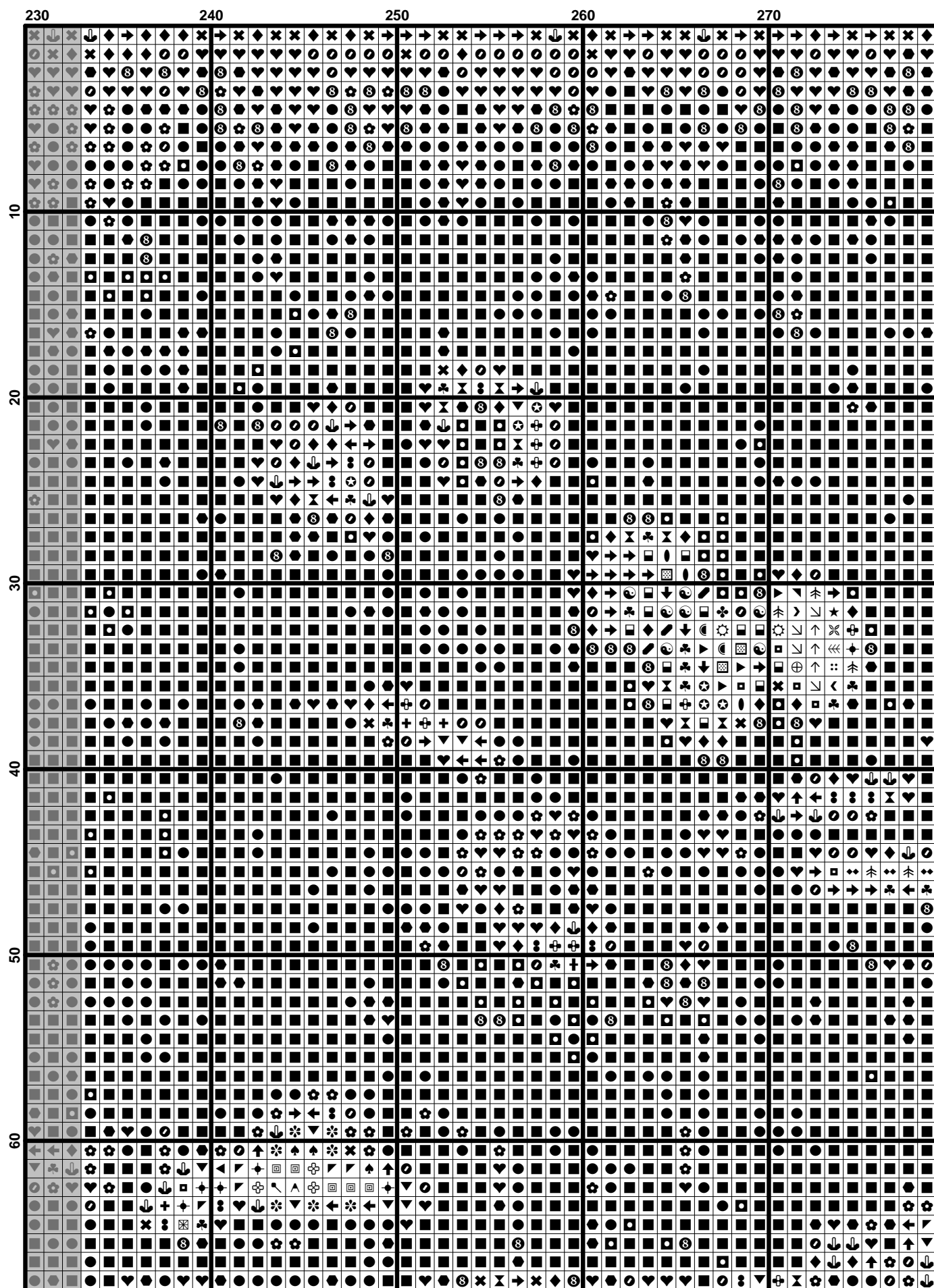


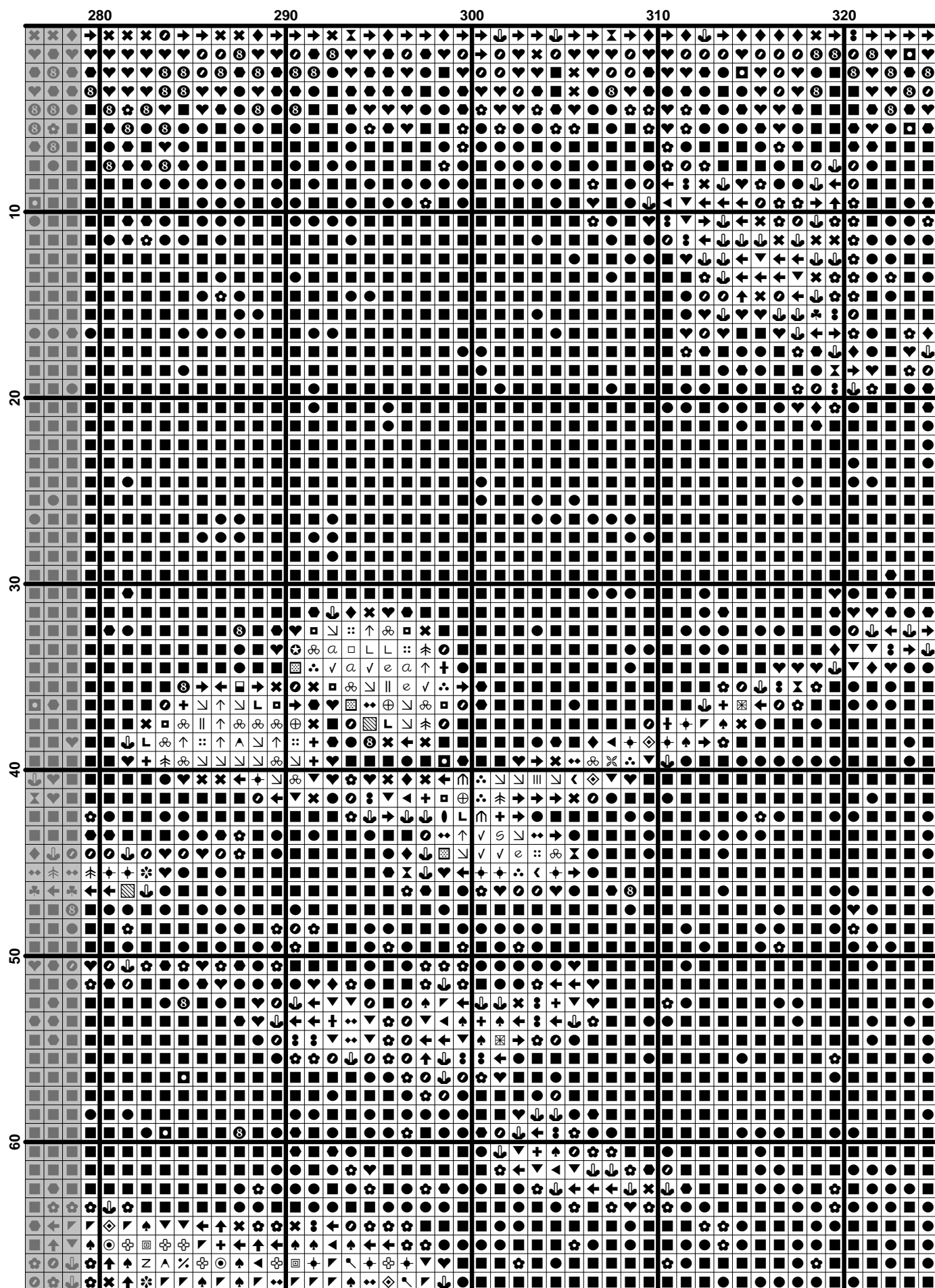


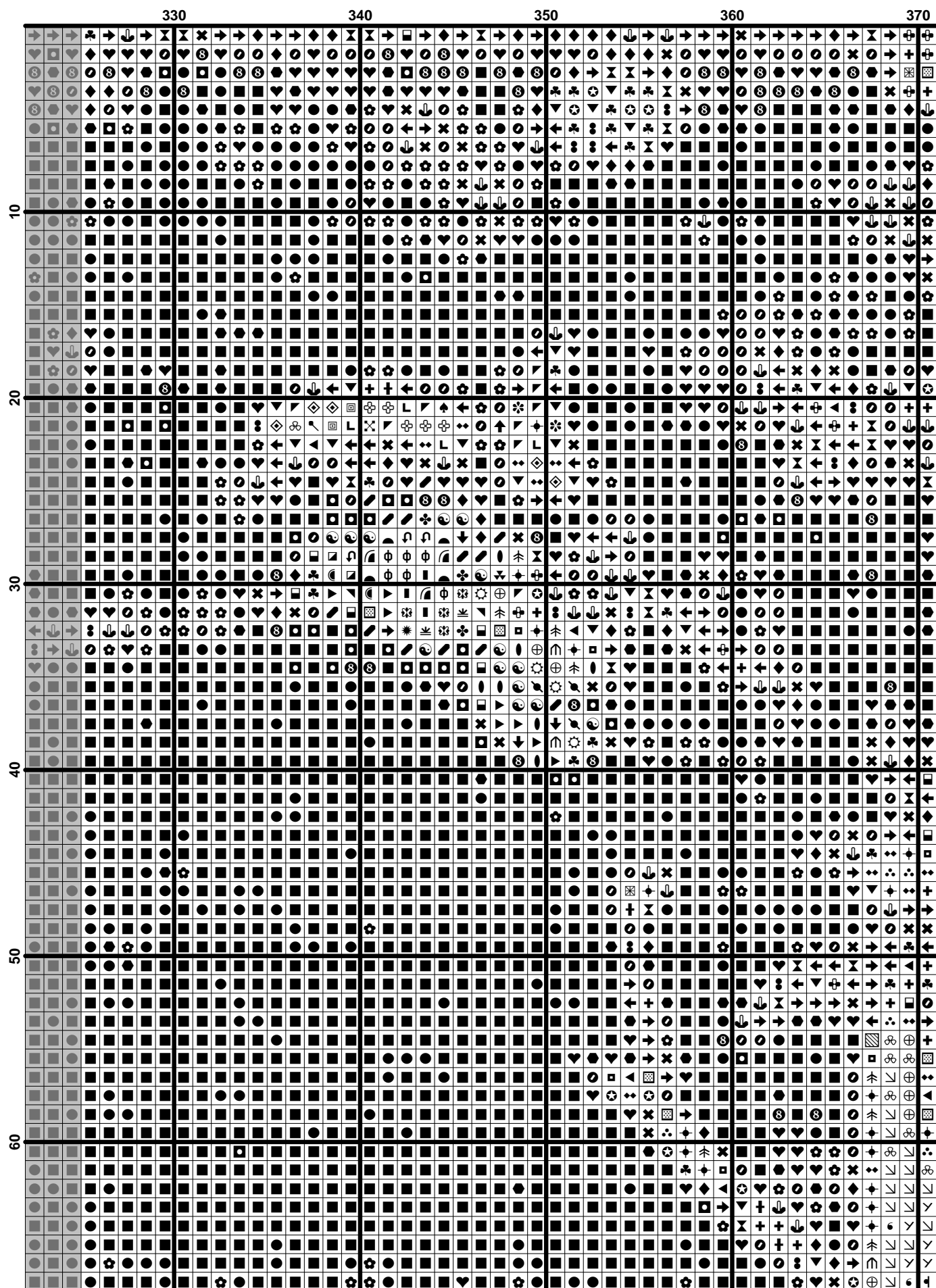
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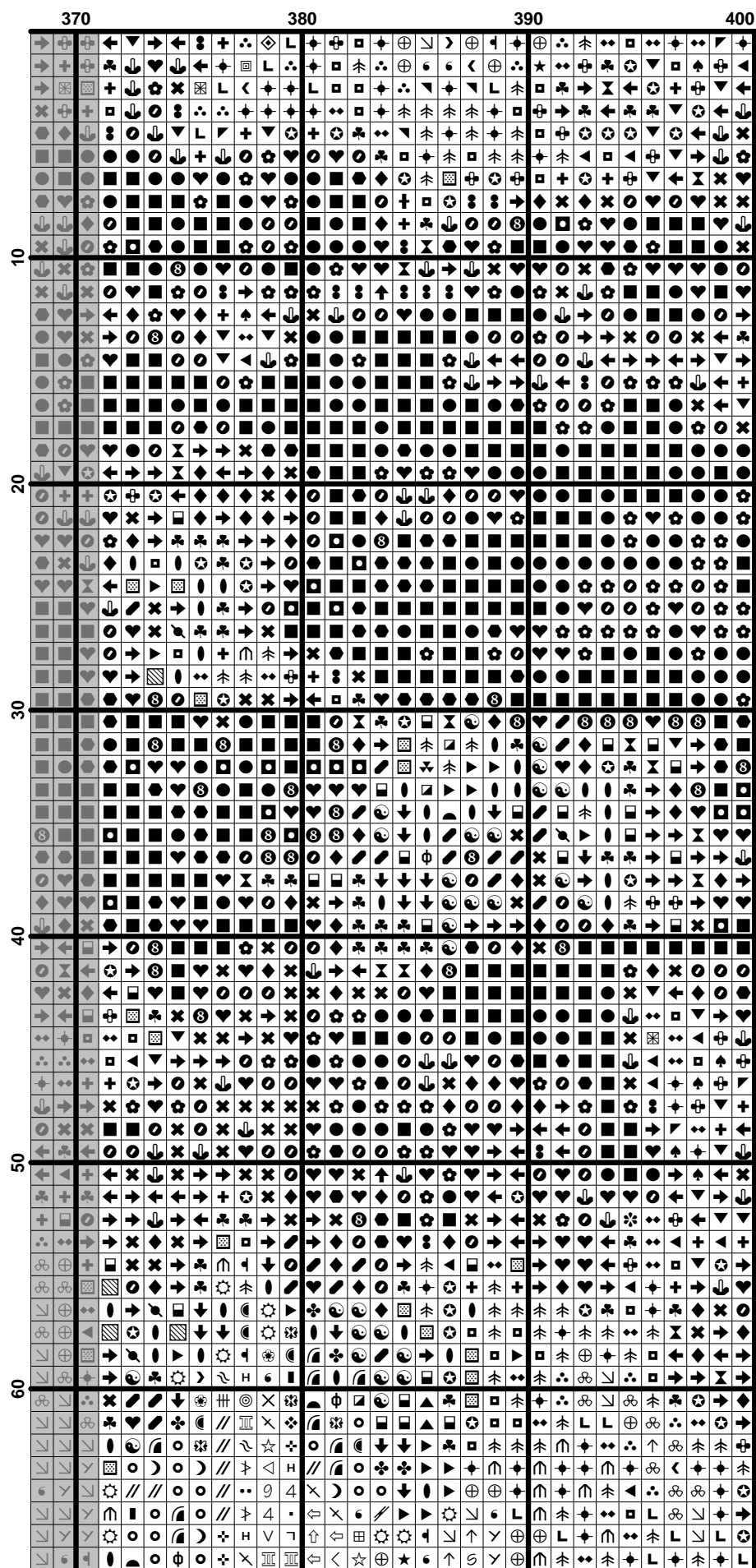










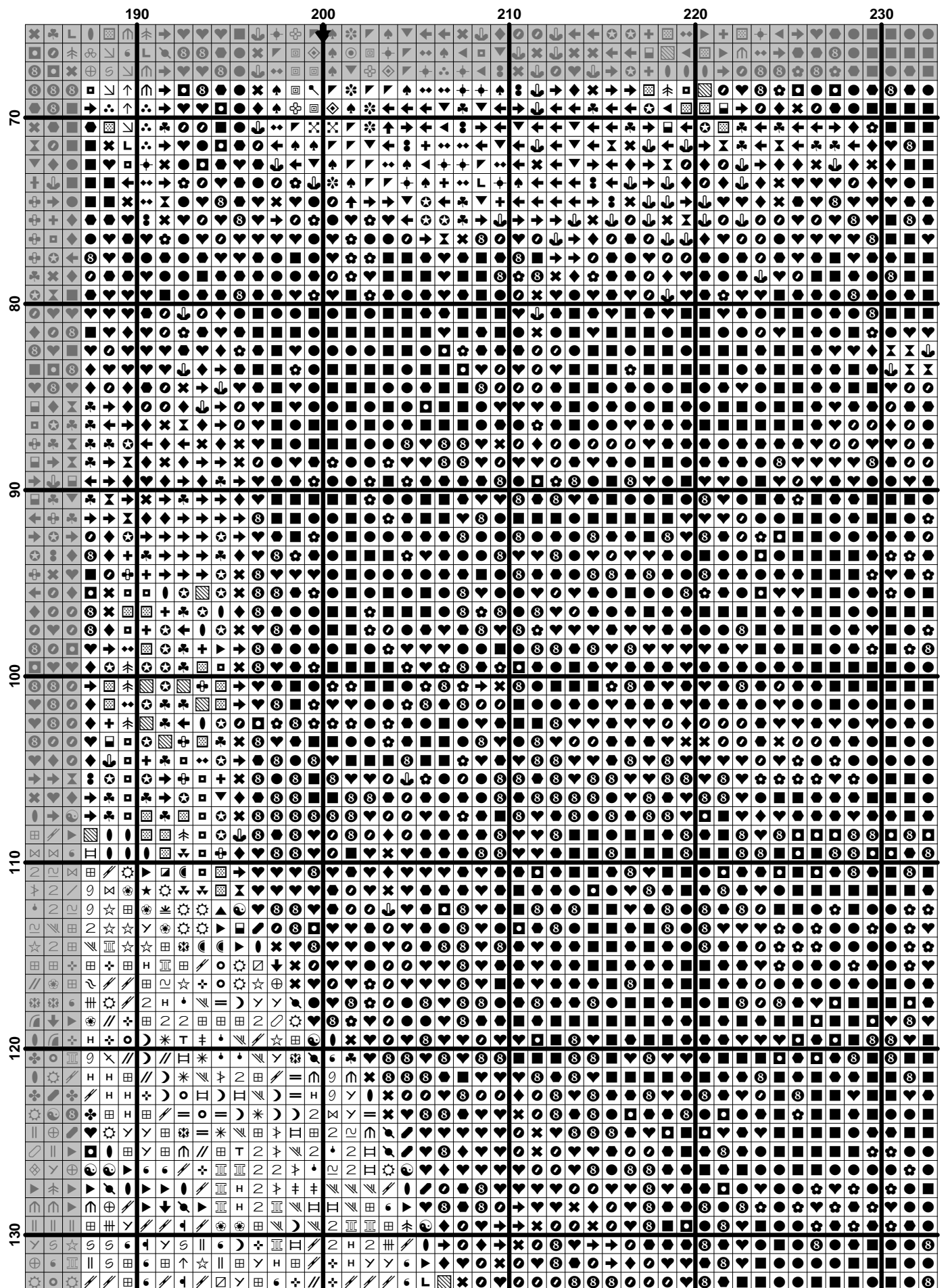


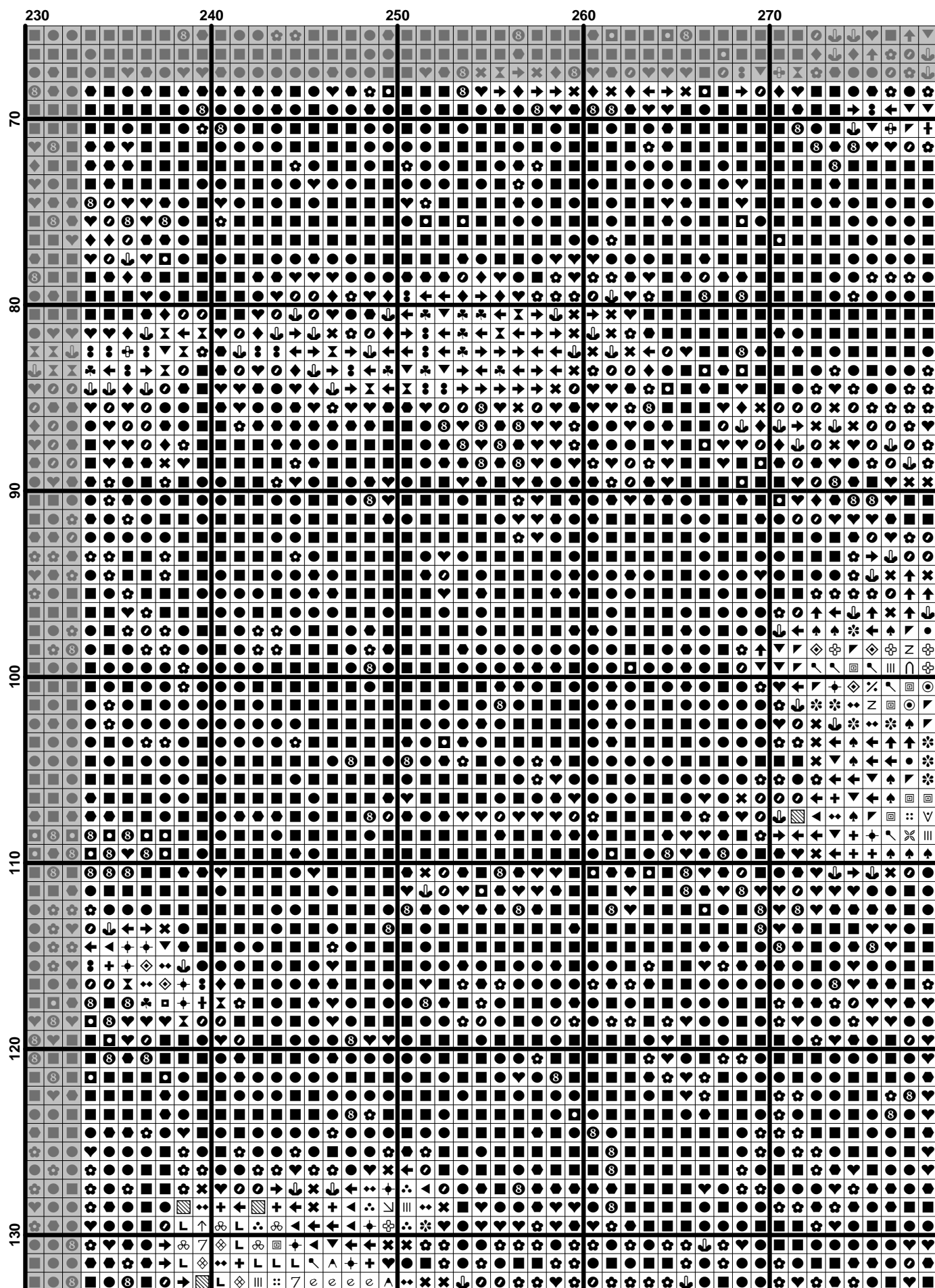
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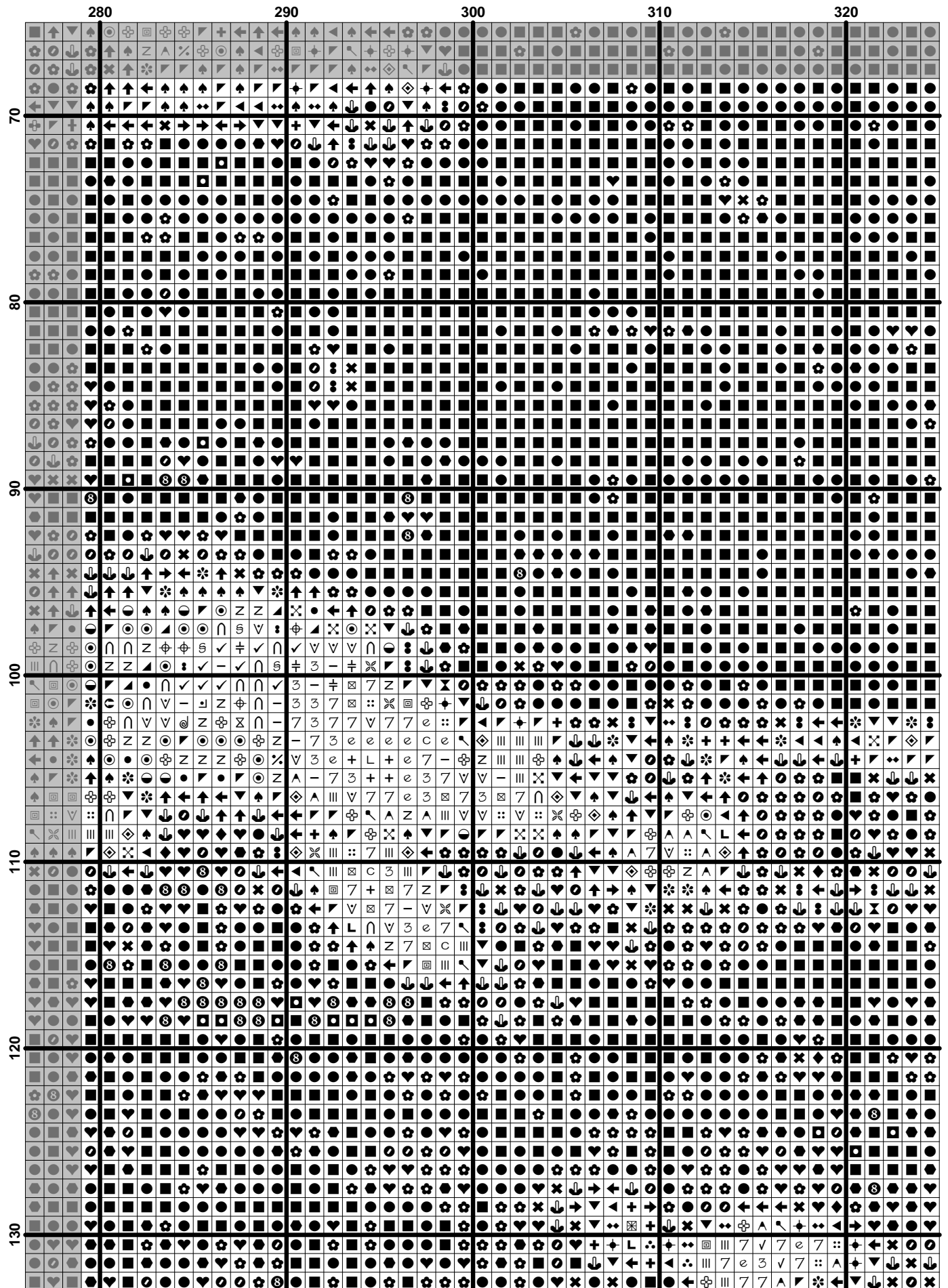
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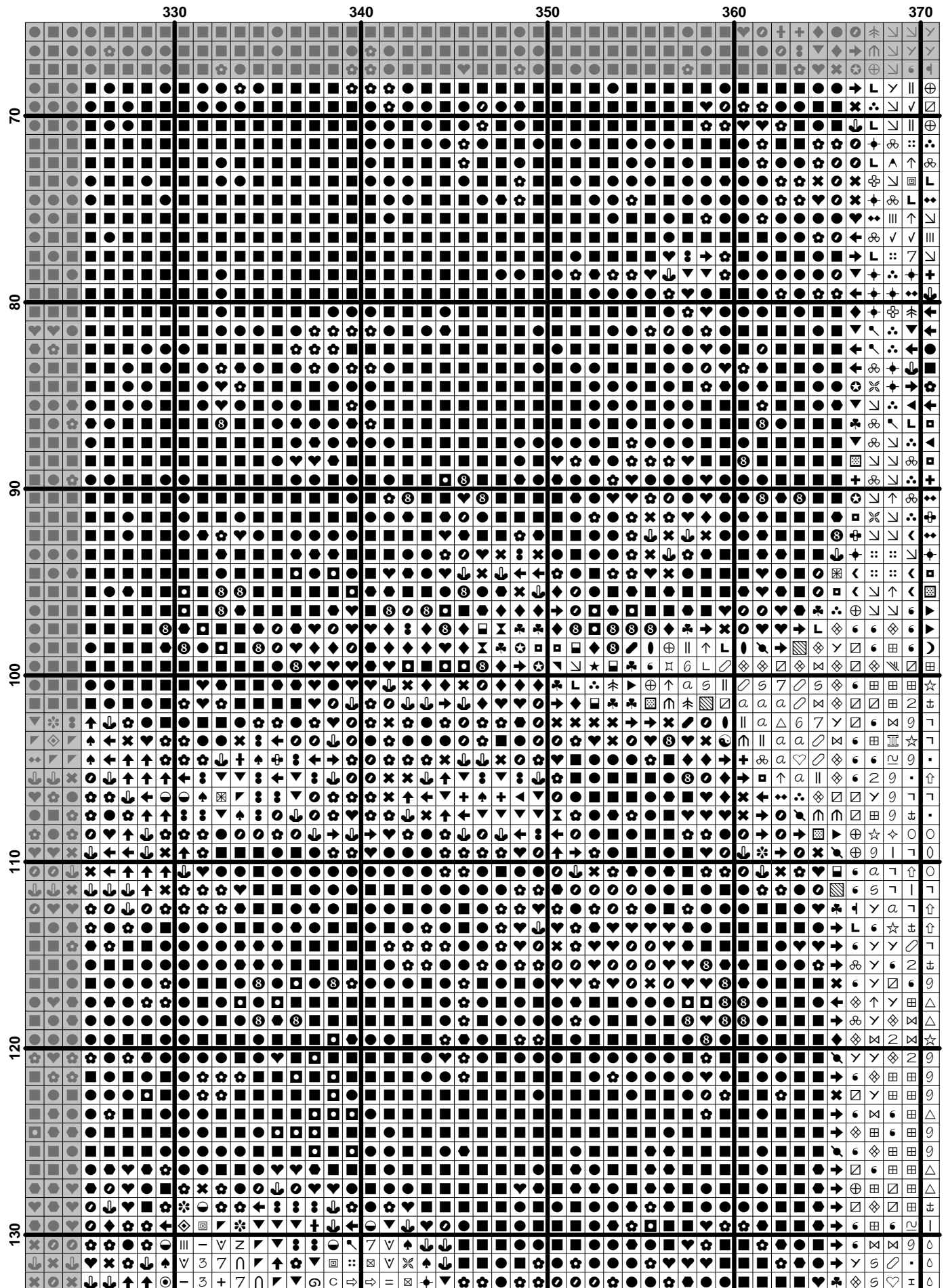
$$(21) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

	140	150	160	170	180
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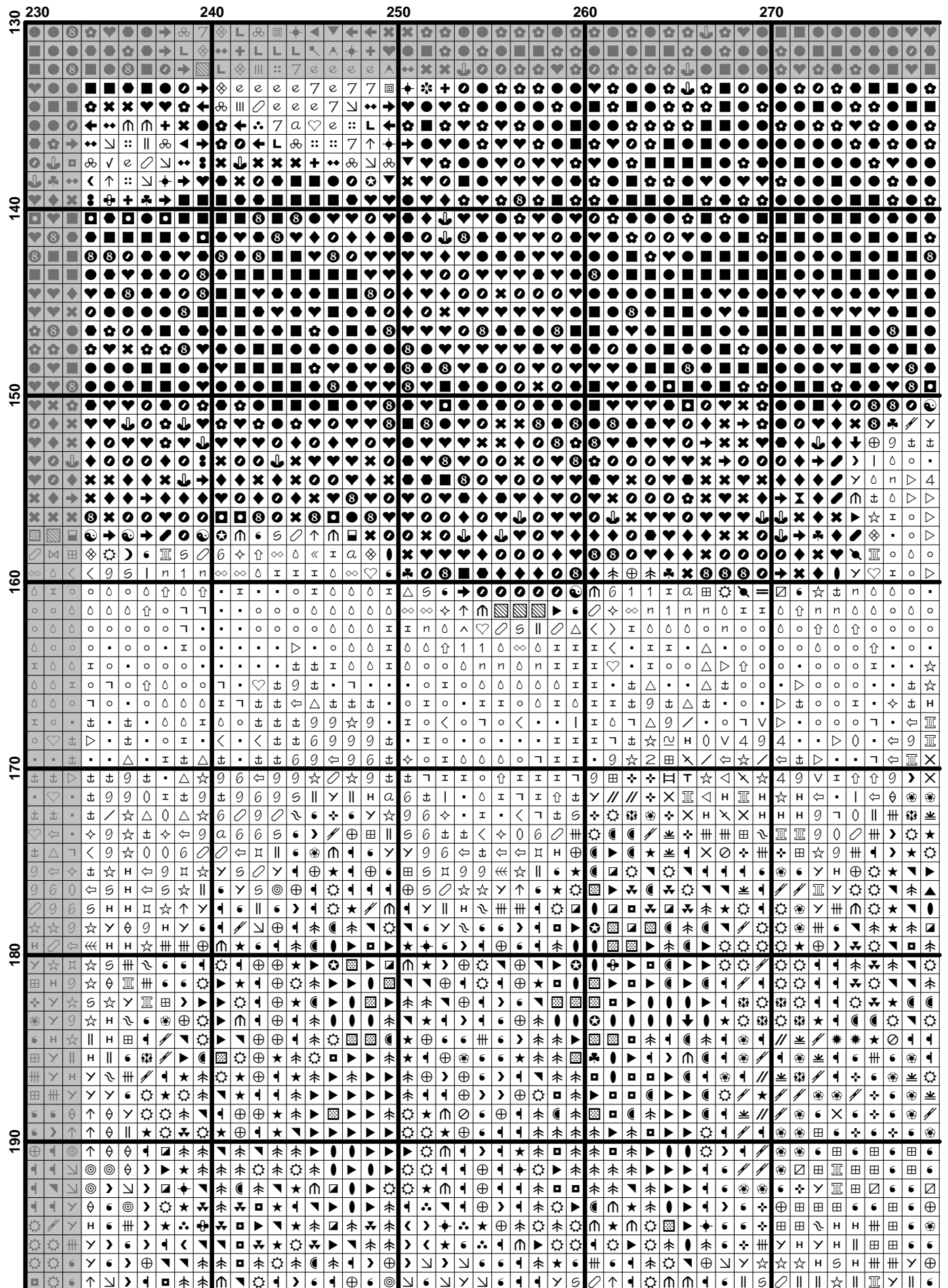
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150	未	未	未	未
160	未	未	未	未
170	未	未	未	未
180	未	未	未	未
190	未	未	未	未

	100	110	120	130	140
130	▲	▲	▲	▲	▲
140	▲	▲	▲	▲	▲
150	▲	▲	▲	▲	▲
160	▲	▲	▲	▲	▲
170	▲	▲	▲	▲	▲
180	▲	▲	▲	▲	▲
190	▲	▲	▲	▲	▲

(32)

(33)



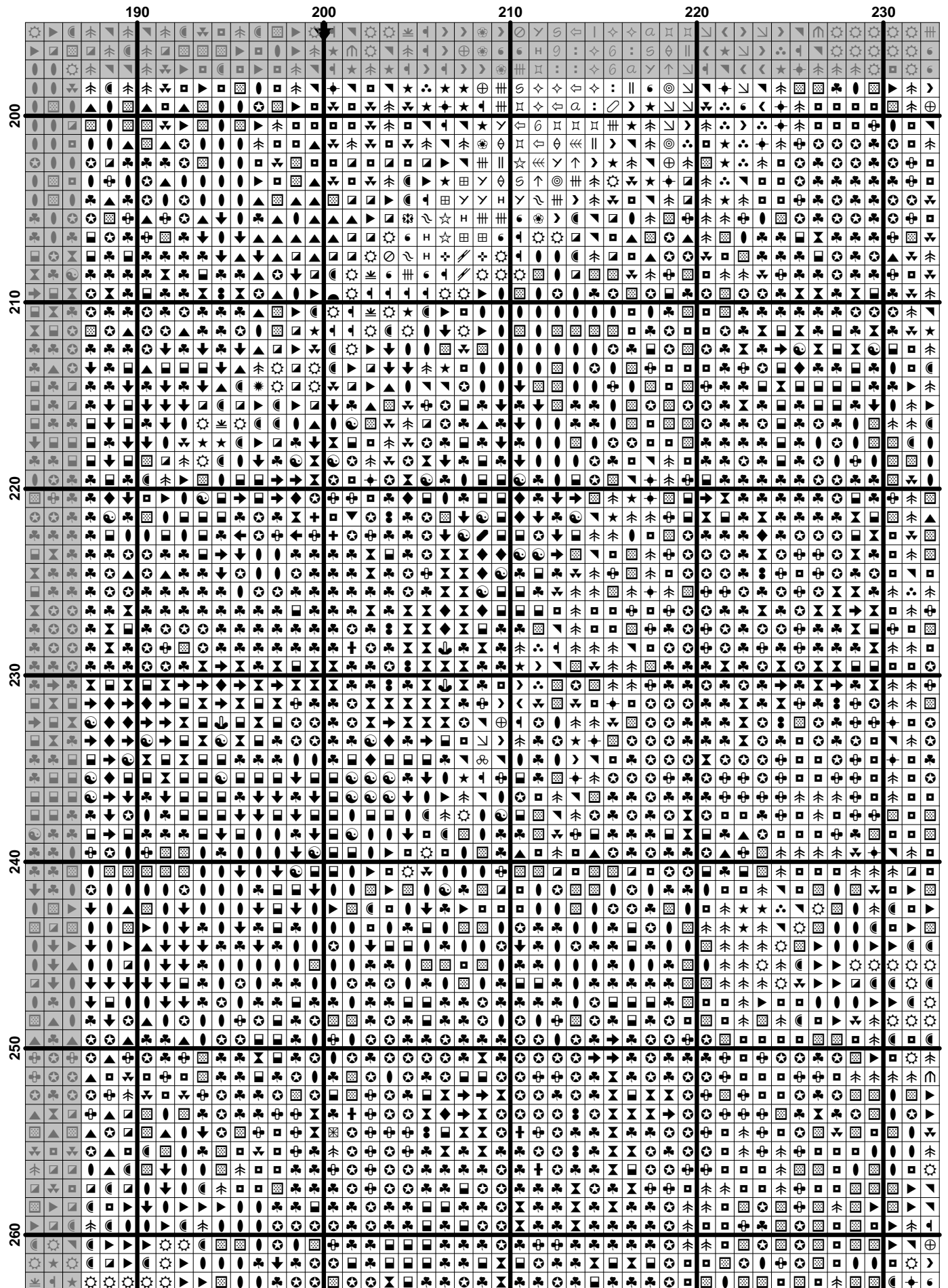
	330	340	350	360	370
130					
140					
150					
160					
170					
180					
190					

	370	380	390	400
130
140
150
160
170
180
190

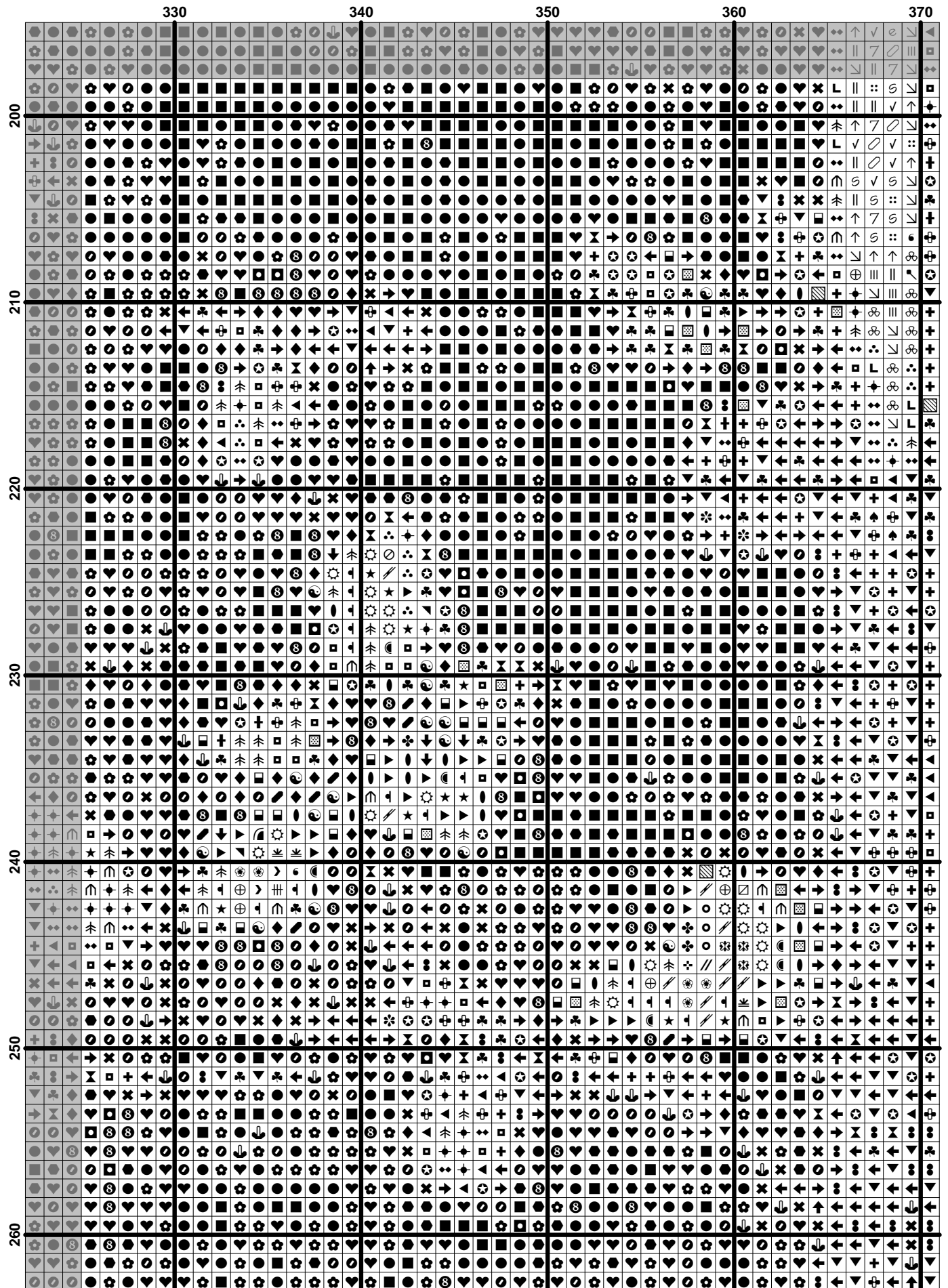
	50	60	70	80	90
200					
210					
220					
230					
240					
250					
260					

[illegible]

$$(40) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$



[illegible]



(45)

	10	20	30	40
260				
270				
280				
290				
300				
310				
320				

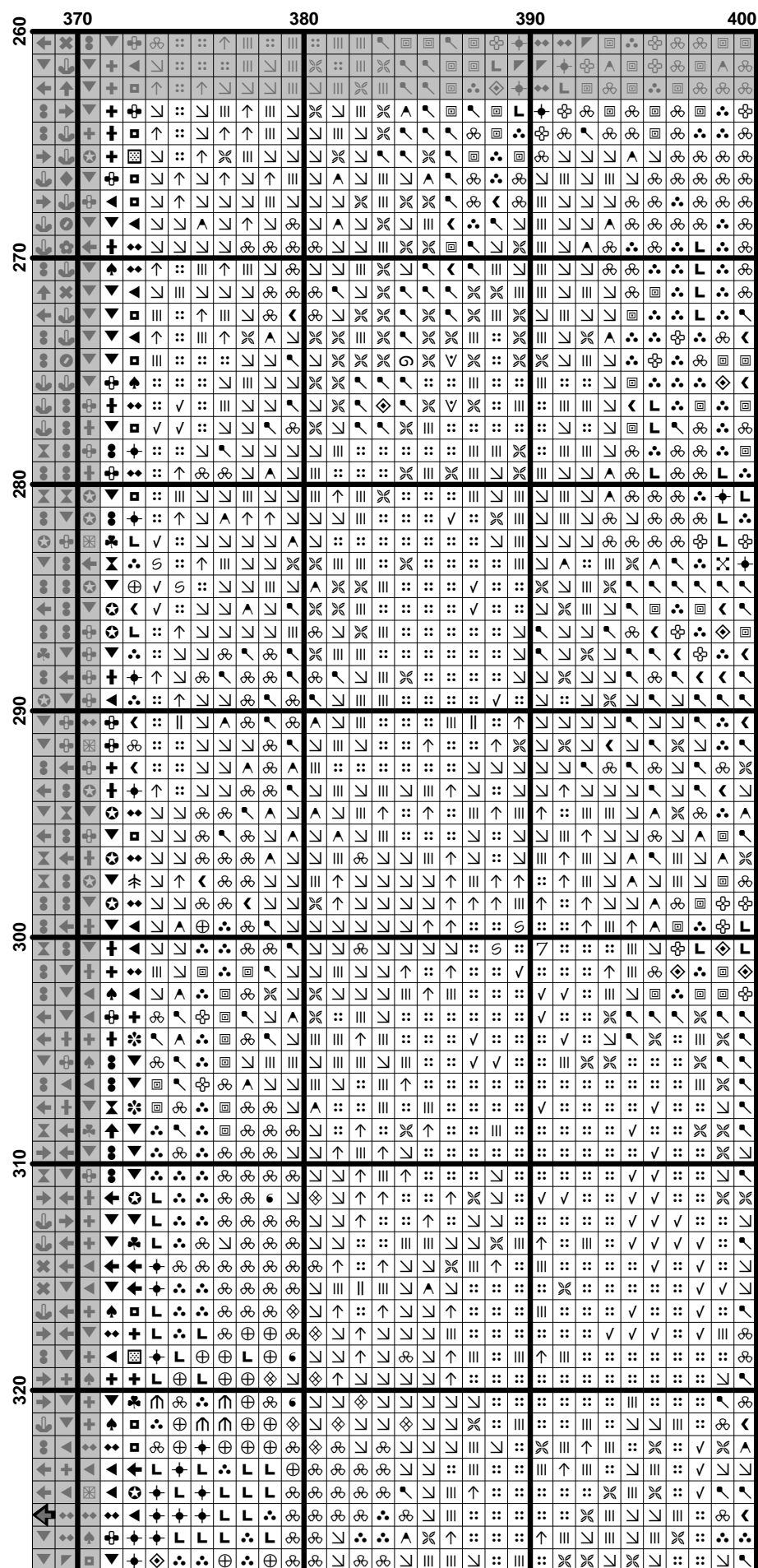
[illegible]

[illegible]

[illegible]

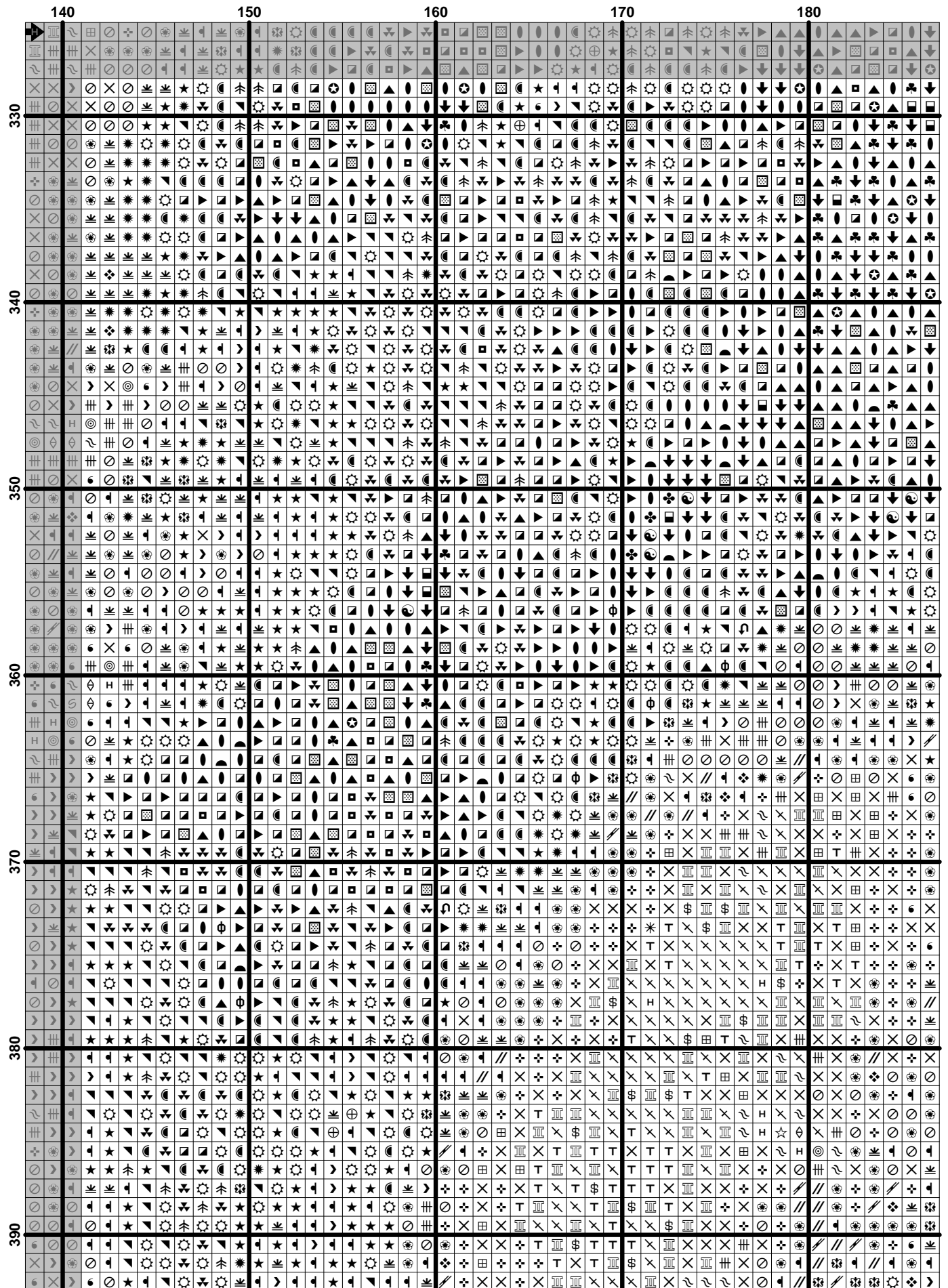
	190	200	210	220	230
260					
270					
280					
290					
300					
310					
320					

[illegible]



	50	60	70	80	90
330	⬆️	+	+	+	+
331	+	+	+	+	+
332	+	+	+	+	+
333	+	+	+	+	+
334	+	+	+	+	+
335	+	+	+	+	+
336	+	+	+	+	+
337	+	+	+	+	+
338	+	+	+	+	+
339	+	+	+	+	+
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	+	+	+	+	+

	100	110	120	130	140
330	→	→	→	→	→
340	→	→	→	→	→
350	→	→	→	→	→
360	→	→	→	→	→
370	→	→	→	→	→
380	→	→	→	→	→
390	→	→	→	→	→



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

[illegible]

[illegible]

(63)

	50	60	70	80	90
390					
400					
410					
420					
430					
440					
450					

$$(66) \quad \text{[...]} \quad (67)$$

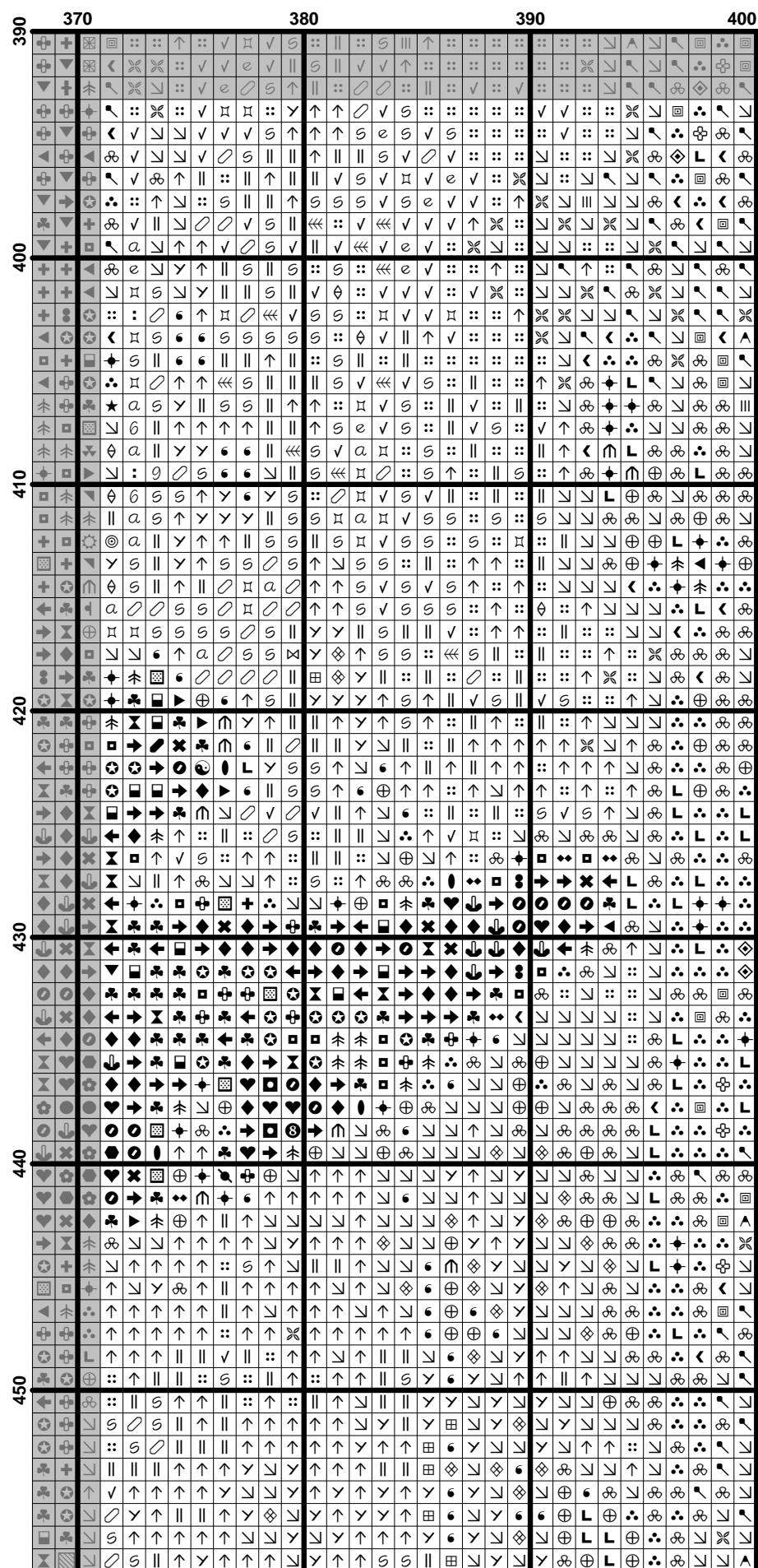
[illegible]

$$(68) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_t^\infty (t-s)^{\alpha-1} f(s) ds$$

[illegible]

$$(70) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \mathcal{I}_\alpha f(t), \quad t \in [0, T],$$

	330	340	350	360	370
390					
400					
410					
420					
430					
440					
450					



	10	20	30	40
460				
470				
480				
490				
500				
510				
520				

$$(74) \quad \text{[The expression for } \mathcal{H}_1 \text{ is identical to (74) in the source document.]} \quad (75)$$

$$(75) \quad \left(\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}(x-y)^2} f(y) dy \right) = f(x)$$

(78)

[illegible]

[illegible]

[illegible]

(81)

	10	20	30	40
520				
530				
540				
550				
560				
570				
580				

[illegible]

$$(85) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

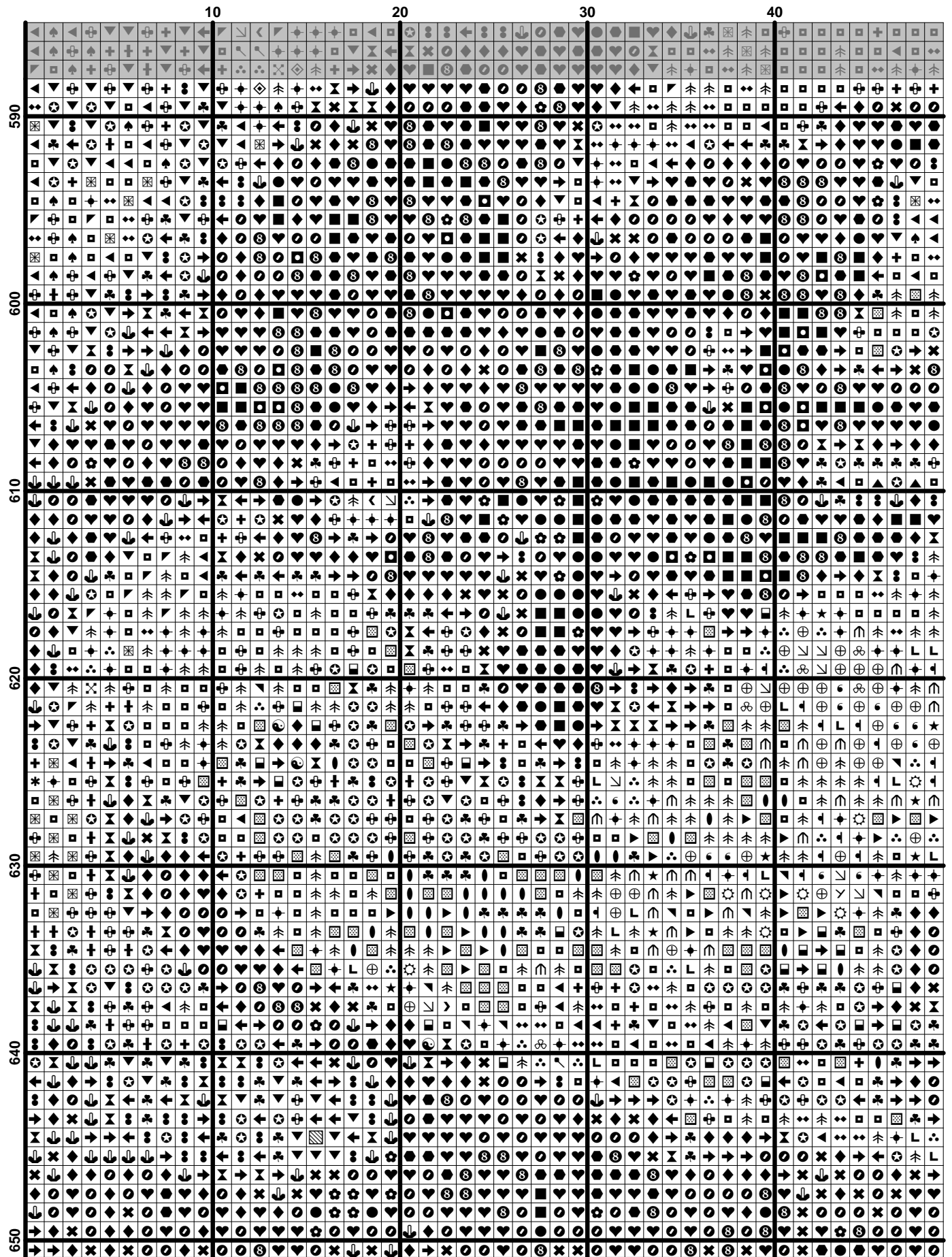
[illegible]

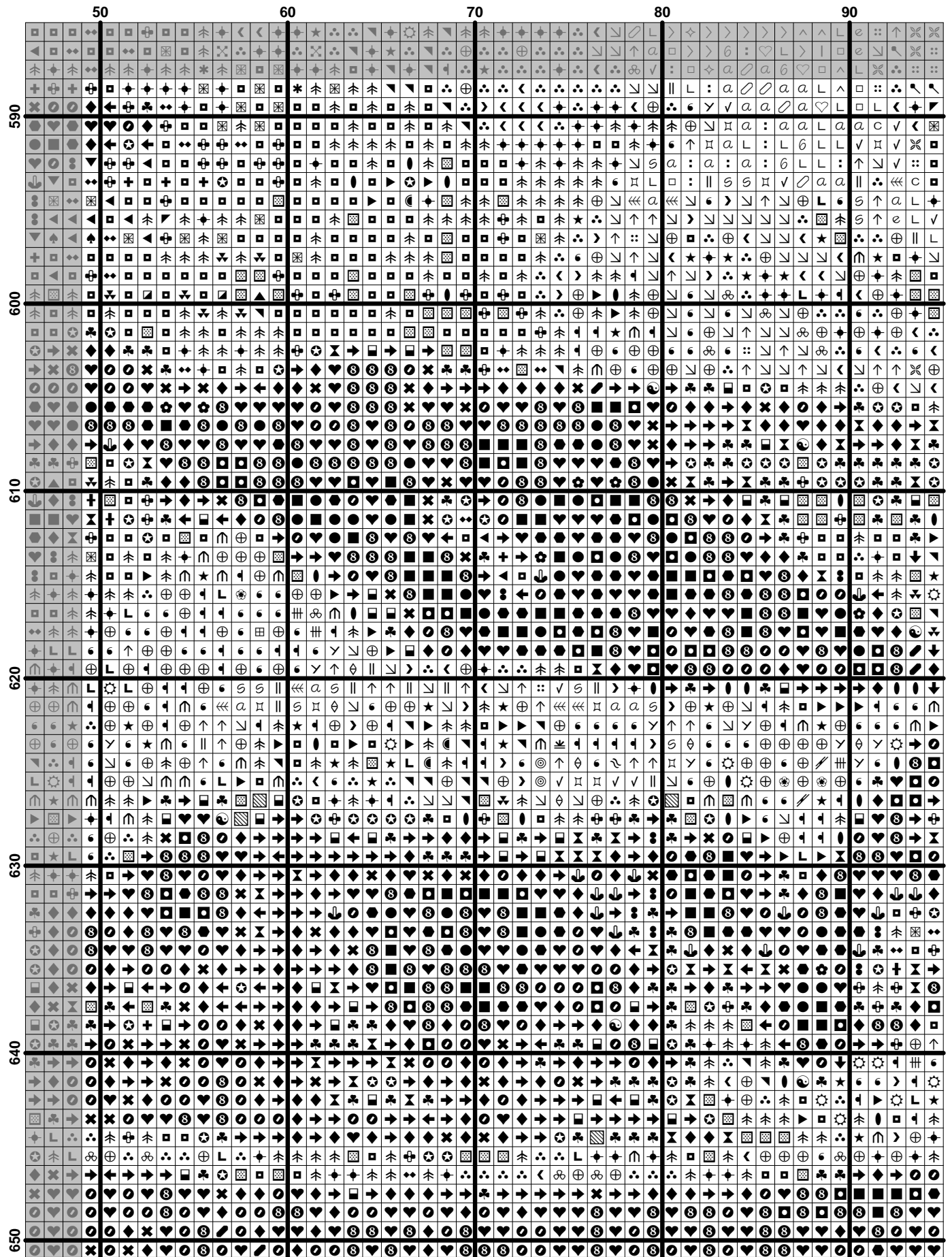
520	230	240	250	260	270
530	540	550	560	570	580
590	600	610	620	630	640
650	660	670	680	690	700
710	720	730	740	750	760
770	780	790	800	810	820
830	840	850	860	870	880
890	900	910	920	930	940
950	960	970	980	990	1000

(89)

	330	340	350	360	370
520					
530					
540					
550					
560					
570					
580					

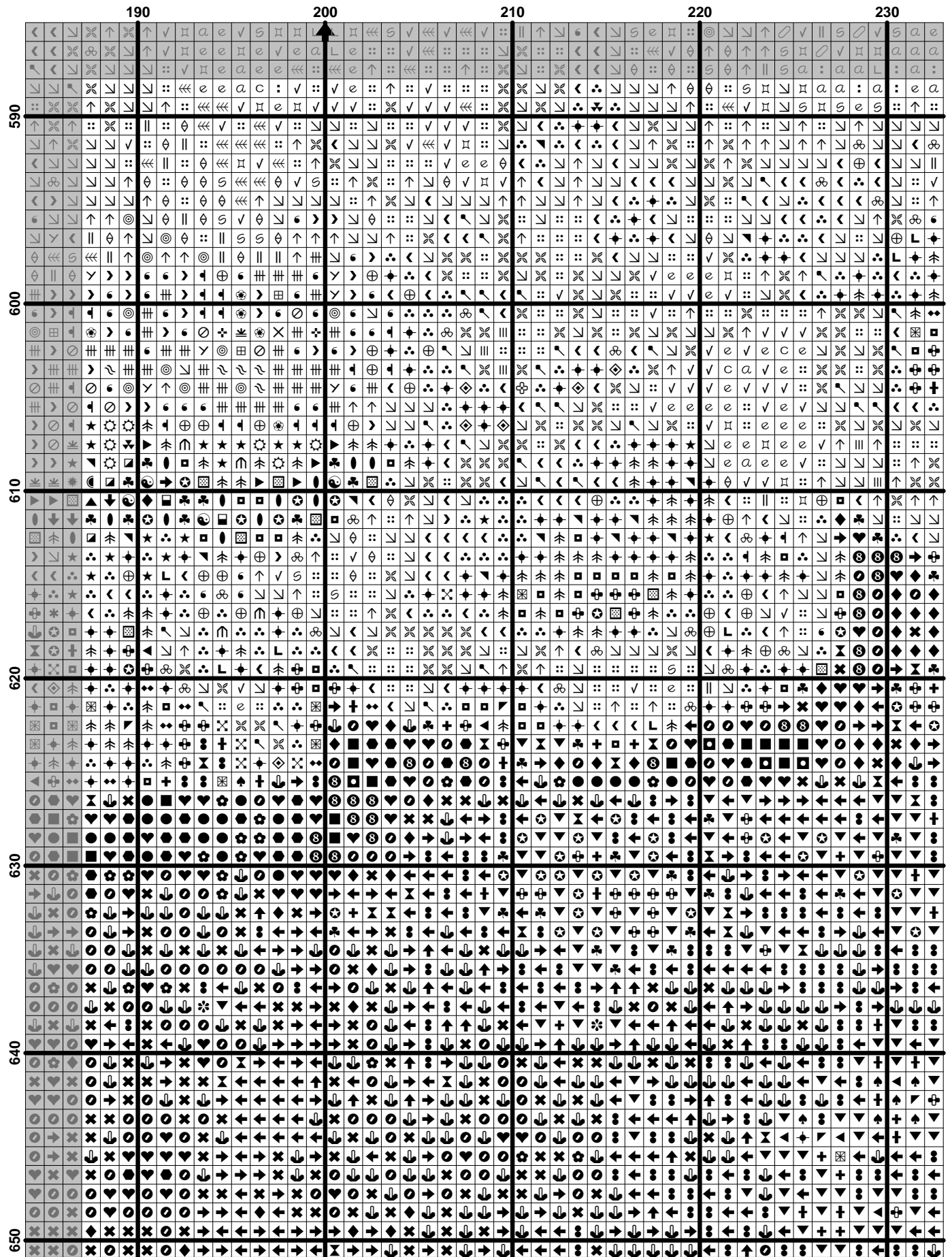
(90)





	100	110	120	130	140
590					
600					
610					
620					
630					
640					
650					

[illegible]



	230	240	250	260	270
590					
600					
610					
620					
630					
640					
650					

[illegible]

	330																		340																		350																		360																		370																	
590																																																																																										
600																																																																																										
610																																					</																																																					

	370	380	390	400
590				
600				
610				
620				
630				
640				
650				