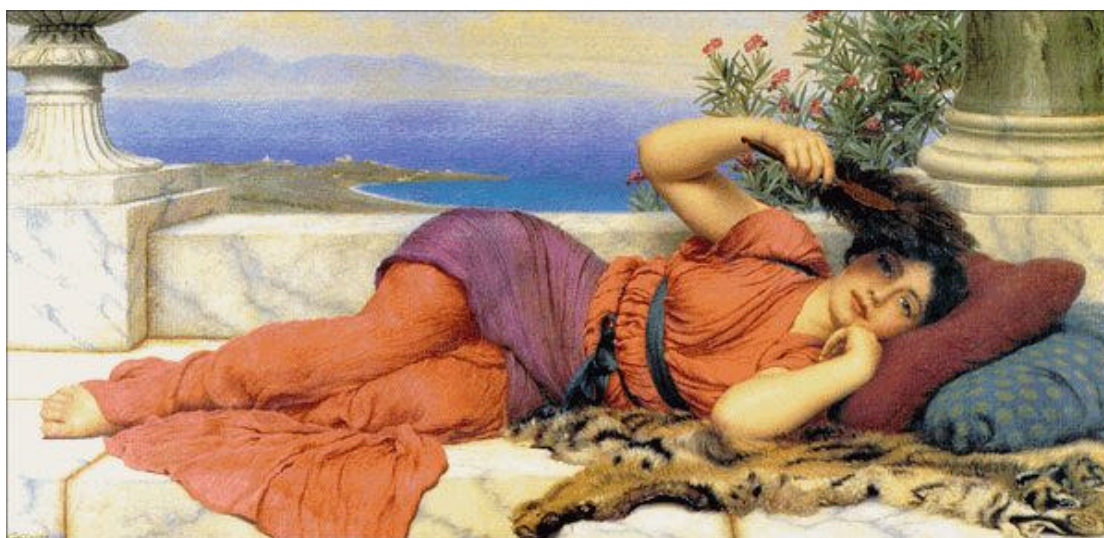


1035 Noonday Rest



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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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Noonday Rest																						
<table><tr><th colspan="2">Stitch Count</th></tr><tr><td>Horizontal:</td><td>600</td></tr><tr><td>Vertical:</td><td>288</td></tr></table>					Stitch Count		Horizontal:	600	Vertical:	288	<table><tr><th colspan="2">Recommended Fabric Color</th></tr><tr><td colspan="2">Antique White</td></tr></table>								Recommended Fabric Color		Antique White	
Stitch Count																						
Horizontal:	600																					
Vertical:	288																					
Recommended Fabric Color																						
Antique White																						
<p>This table tells the size of the pattern (without any margins) and the size of the fabric required to stitch the pattern (including recommended margins). 3 inch margins have been added on each side in the 'Including Margins' row.</p> <p>The sizes are given for 14, 16 and 18 stitches per inch fabrics.</p> <p>Make sure to use the 'Including Margins' row when cutting the piece of fabric to be used. Also make sure that 3 inch margins are enough for your stitching technique and add more margin areas if necessary.</p>																						
	14				16				18													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	109	42.75	53	20.57	95	37.4	46	18	85	33.25	41	16										
Including Margins:	125	49	69	27	111	44	62	25	101	40	57	23										
	10				12				24													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	152	59.85	74	28.79	127	49.87	61	23.99	63	24.93	30	11.99										
Including Margins:	168	66	90	35	143	56	77	30	79	31	46	18										
	25				26				27													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	61	23.94	29	11.51	58	23.01	28	11.07	56	22.16	27	10.66										
Including Margins:	77	30	45	18	74	30	44	18	72	29	43	17										
	28				30				32													
	Width		Height		Width		Height		Width		Height											
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch										
Pattern:	54	21.37	26	10.28	50	19.95	24	9.59	47	18.7	23	8.99										
Including Margins:	70	28	42	17	66	26	40	16	63	25	39	15										

Solid Color Stitches. Use two strands of the specified color for these stitches.

Symbol	DMC	Name
	221	Shell Pink-VY DK
	310	Black
	315	Antique Mauve-VY DK
	316	Antique Mauve-MD
	340	Blue Violet-MD
	341	Blue Violet-LT
	352	Coral-LT
	356	Terra Cotta-MD
	370	Mustard-MD
	402	Mahogany-VY LT
	437	Tan-LT
	503	Blue Green-MD
	522	Fern Green
	613	Drab Brown-VY LT
	644	Beige Gray-MD
	647	Beaver Gray-MD
	680	Old Gold-DK
	712	Cream
	722	Orange Spice-LT
	738	Tan-VY LT
	746	Off White
	762	Pearl Gray-VY LT
	794	Cornflower Blue-LT
	801	Coffee Brown-DK
	809	Delft Blue
	826	Blue-MD
	833	Golden Olive-LT
	839	Beige Brown-DK
	869	Hazelnut Brown-VY DK
	895	Hunter Green-VY DK
	902	Garnet-VY DK
	921	Copper
	922	Copper-LT
	927	Gray Green-LT
	930	Antique Blue-DK

	931	Antique Blue-MD
	977	Golden Brown-LT
	3013	Khaki Green-LT
	3024	Brown Gray-VY LT
	3032	Mocha Brown-MD
	3045	Yellow Beige-DK
	3046	Yellow Beige-MD
	3047	Yellow Beige-LT
	3052	Green Gray-MD
	3064	Desert Sand
	3072	Beaver Gray-VY LT
	3078	Golden Yellow-VY LT
	3347	Yellow Green-MD
	3362	Pine Green-DK
	3364	Pine Green
	3726	Antique Mauve-DK
	3747	Blue Violet-VY LT
	3752	Antique Blue-VY LT
	3756	Baby Blue-UL VY LT
	3768	Gray Green-DK
	3772	Desert Sand-VY DK
	3776	Mahogany-LT
	3778	Terra Cotta-LT
	3799	Pewter Gray-VY DK
	3823	Yellow-UL Pale
	3824	Apricot-LT
	3827	Golden Brown-Pale
	3835	Grape-MD
	3839	Lavender Blue-MD
	3840	Lavender Blue-LT
	3853	Autumn Gold-DK
	3855	Autumn Gold-LT
	3856	Mahogany-UL VY LT
	3860	Cocoa
	3864	Mocha Beige-LT
	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
	3828	Hazelnut Brown	3776	Mahogany-LT
	746	Off White	3823	Yellow-UL Pale
	3776	Mahogany-LT	3778	Terra Cotta-LT
	3787	Brown Gray-DK	3860	Cocoa
	3756	Baby Blue-UL VY LT	762	Pearl Gray-VY LT
	927	Gray Green-LT	931	Antique Blue-MD
	3756	Baby Blue-UL VY LT	3865	Winter White
	3021	Brown Gray-VY DK	3799	Pewter Gray-VY DK
	3362	Pine Green-DK	3787	Brown Gray-DK
	647	Beaver Gray-MD	3861	Cocoa-LT
	437	Tan-LT	3064	Desert Sand

>	712	Cream	762	Pearl Gray-VY LT
✱	317	Pewter Gray	3787	Brown Gray-DK
☼	3346	Hunter Green	3790	Beige Gray-UL DK
♫	502	Blue Green	645	Beaver Gray-VY DK
♫	502	Blue Green	522	Fern Green
▷	712	Cream	3072	Beaver Gray-VY LT
≡	371	Mustard	3772	Desert Sand-VY DK
☾	611	Drab Brown	3787	Brown Gray-DK
4	3046	Yellow Beige-MD	3855	Autumn Gold-LT
★	370	Mustard-MD	3772	Desert Sand-VY DK
⋮	370	Mustard-MD	3828	Hazelnut Brown
⬆	3740	Antique Violet-DK	3787	Brown Gray-DK
○	3824	Apricot-LT	922	Copper-LT
■	938	Coffee Brown-UL DK	310	Black
=	3823	Yellow-UL Pale	3824	Apricot-LT
—	3856	Mahogany-UL VY LT	402	Mahogany-VY LT
田	977	Golden Brown-LT	833	Golden Olive-LT
Φ	3768	Gray Green-DK	931	Antique Blue-MD
☼	352	Coral-LT	3824	Apricot-LT
▶	3835	Grape-MD	3041	Antique Violet-MD
#	316	Antique Mauve-MD	415	Pearl Gray
☾	3835	Grape-MD	316	Antique Mauve-MD
٪	415	Pearl Gray	3835	Grape-MD
⚓	3824	Apricot-LT	3078	Golden Yellow-VY LT
∞	746	Off White	3078	Golden Yellow-VY LT
⌋	712	Cream	3866	Mocha Brown-UL VY LT
«	712	Cream	3865	Winter White
^	762	Pearl Gray-VY LT	3865	Winter White
❖	3041	Antique Violet-MD	522	Fern Green
⌋	3021	Brown Gray-VY DK	3787	Brown Gray-DK
::	452	Shell Gray-MD	644	Beige Gray-MD
2	452	Shell Gray-MD	564	Jade-VY LT
↘	452	Shell Gray-MD	3364	Pine Green
6	3047	Yellow Beige-LT	613	Drab Brown-VY LT
=	3787	Brown Gray-DK	522	Fern Green
н	809	Delft Blue	3840	Lavender Blue-LT
+	775	Baby Blue-VY LT	3747	Blue Violet-VY LT
•	3047	Yellow Beige-LT	3823	Yellow-UL Pale
β	3747	Blue Violet-VY LT	762	Pearl Gray-VY LT
~	746	Off White	ecru	Ecru
o	712	Cream	3823	Yellow-UL Pale
❖	809	Delft Blue	340	Blue Violet-MD
☼	3839	Lavender Blue-MD	809	Delft Blue
☼	3747	Blue Violet-VY LT	3840	Lavender Blue-LT
0	747	Sky Blue-VY LT	3747	Blue Violet-VY LT
±	3864	Mocha Beige-LT	738	Tan-VY LT
5	613	Drab Brown-VY LT	3024	Brown Gray-VY LT
√	738	Tan-VY LT	613	Drab Brown-VY LT
⓪	3013	Khaki Green-LT	3032	Mocha Brown-MD
➤	503	Blue Green-MD	522	Fern Green
α	3072	Beaver Gray-VY LT	3024	Brown Gray-VY LT
○	3078	Golden Yellow-VY LT	739	Tan-UL VY LT
≈	340	Blue Violet-MD	341	Blue Violet-LT
≡	826	Blue-MD	3839	Lavender Blue-MD
☼	645	Beaver Gray-VY DK	522	Fern Green
⚙	611	Drab Brown	3052	Green Gray-MD
⚙	3845	Bright Turquoise-MD	826	Blue-MD
//	826	Blue-MD	334	Baby Blue-MD
↘	3776	Mahogany-LT	977	Golden Brown-LT

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☐	3839	Lavender Blue-MD	3845	Bright Turquoise-MD
m	341	Blue Violet-LT	3747	Blue Violet-VY LT
<	ecru	Ecru	3866	Mocha Brown-UL VY LT
☞	807	Peacock Blue	931	Antique Blue-MD
●	938	Coffee Brown-UL DK	3802	Antique Mauve-VY DK
∴	3032	Mocha Brown-MD	3052	Green Gray-MD
!	3346	Hunter Green	3362	Pine Green-DK
☞	938	Coffee Brown-UL DK	3860	Cocoa
↔	3855	Autumn Gold-LT	3856	Mahogany-UL VY LT
♡	3078	Golden Yellow -VY LT	3855	Autumn Gold-LT
□	315	Antique Mauve-VY DK	801	Coffee Brown-DK
◇	3046	Yellow Beige-MD	3827	Golden Brown-Pale
■	611	Drab Brown	3790	Beige Gray-UL DK
♦	3829	Old Gold-VY DK	3772	Desert Sand-VY DK
☞	869	Hazelnut Brown-VY DK	315	Antique Mauve-VY DK
☐	315	Antique Mauve-VY DK	3829	Old Gold-VY DK
○	3829	Old Gold-VY DK	3790	Beige Gray-UL DK
◊	3046	Yellow Beige-MD	3776	Mahogany-LT
◇	3829	Old Gold-VY DK	3776	Mahogany-LT
X	3032	Mocha Brown-MD	3364	Pine Green
↑	3021	Brown Gray -VY DK	3362	Pine Green-DK
≈	564	Jade-VY LT	3364	Pine Green
✱	3052	Green Gray-MD	732	Olive Green
⦿	221	Shell Pink-VY DK	301	Mahogany-MD
◎	316	Antique Mauve-MD	3041	Antique Violet-MD
	647	Beaver Gray-MD	3348	Yellow Green-LT
Ⓢ	564	Jade-VY LT	644	Beige Gray-MD
⊙	3021	Brown Gray -VY DK	3363	Pine Green-MD
▼	3041	Antique Violet-MD	3802	Antique Mauve-VY DK
◇	3013	Khaki Green-LT	3348	Yellow Green-LT
◁	370	Mustard-MD	3013	Khaki Green-LT
◀	3347	Yellow Green-MD	3787	Brown Gray -DK
■	3726	Antique Mauve-DK	3772	Desert Sand-VY DK
⦿	3726	Antique Mauve-DK	3064	Desert Sand
▲	3726	Antique Mauve-DK	315	Antique Mauve-VY DK
⊕	3772	Desert Sand-VY DK	315	Antique Mauve-VY DK
●	3772	Desert Sand-VY DK	3041	Antique Violet-MD
†	315	Antique Mauve-VY DK	3860	Cocoa
L	503	Blue Green-MD	931	Antique Blue-MD
✱	3768	Gray Green-DK	502	Blue Green
▸	502	Blue Green	931	Antique Blue-MD
◆	3768	Gray Green-DK	3799	Pewter Gray -VY DK
●	823	Navy Blue-DK	895	Hunter Green-VY DK
⊗	3041	Antique Violet-MD	3864	Mocha Beige-LT
↓	839	Beige Brown-DK	3860	Cocoa
9	3855	Autumn Gold-LT	3827	Golden Brown-Pale
•	402	Mahogany-VY LT	3827	Golden Brown-Pale
✓	3046	Yellow Beige-MD	3828	Hazelnut Brown
✦	301	Mahogany-MD	3064	Desert Sand
✶	3829	Old Gold-VY DK	301	Mahogany-MD
+	315	Antique Mauve-VY DK	356	Terra Cotta-MD
⦿	613	Drab Brown-VY LT	3823	Yellow -UL Pale
∇	402	Mahogany-VY LT	760	Salmon
✕	402	Mahogany-VY LT	352	Coral-LT
✶	722	Orange Spice-LT	3778	Terra Cotta-LT
T	722	Orange Spice-LT	922	Copper-LT
♠	301	Mahogany-MD	921	Copper
▲	3776	Mahogany-LT	921	Copper

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	
221	Shell Pink-VY DK	257	101	244	96	220	86
301	Mahogany-MD	387	152	369	145	332	130
310	Black	675	265	643	253	578	227
315	Antique Mauve-VY DK	797	313	759	298	683	268
316	Antique Mauve-MD	565	222	538	211	484	190
317	Pewter Gray	69	27	66	25	59	23
334	Baby Blue-MD	32	12	31	12	27	10
340	Blue Violet-MD	293	115	279	109	251	98
341	Blue Violet-LT	350	137	334	131	300	118
352	Coral-LT	771	303	734	288	660	259
356	Terra Cotta-MD	259	101	247	97	222	87
370	Mustard-MD	334	131	318	125	286	112
371	Mustard	55	21	53	20	47	18
402	Mahogany-VY LT	489	192	466	183	419	164
415	Pearl Gray	65	25	62	24	56	22
437	Tan-LT	289	113	275	108	247	97
452	Shell Gray-MD	406	159	387	152	348	137
502	Blue Green	368	144	350	137	315	124
503	Blue Green-MD	335	131	319	125	287	112
522	Fern Green	679	267	647	254	582	229
564	Jade-VY LT	246	96	234	92	211	83
611	Drab Brown	236	92	224	88	202	79
613	Drab Brown-VY LT	1193	469	1136	447	1022	402
644	Beige Gray-MD	411	161	392	154	352	138
645	Beaver Gray-VY DK	158	62	151	59	136	53
647	Beaver Gray-MD	452	177	430	169	387	152
680	Old Gold-DK	58	22	56	22	50	19
712	Cream	1189	468	1133	446	1019	401
722	Orange Spice-LT	2206	868	2101	827	1891	744
732	Olive Green	38	14	36	14	33	12
738	Tan-VY LT	434	170	413	162	372	146
739	Tan-UL VY LT	113	44	107	42	96	37
746	Off White	1920	755	1829	720	1646	648
747	Sky Blue-VY LT	117	46	112	44	100	39
760	Salmon	89	35	84	33	76	29
762	Pearl Gray-VY LT	1130	444	1076	423	968	381
775	Baby Blue-VY LT	49	19	47	18	42	16
794	Cornflower Blue-LT	41	16	39	15	35	13
801	Coffee Brown-DK	130	51	124	48	111	43
807	Peacock Blue	62	24	59	23	53	20
809	Delft Blue	599	235	570	224	513	201
823	Navy Blue-DK	179	70	171	67	153	60
826	Blue-MD	393	154	374	147	337	132
833	Golden Olive-LT	132	51	126	49	113	44
839	Beige Brown-DK	133	52	127	50	114	44
869	Hazelnut Brown-VY DK	100	39	95	37	85	33
895	Hunter Green-VY DK	228	89	217	85	195	76
902	Garnet-VY DK	39	15	37	14	33	12
921	Copper	403	158	384	151	346	136
922	Copper-LT	1261	496	1201	472	1081	425
927	Gray Green-LT	308	121	293	115	264	103
930	Antique Blue-DK	47	18	45	17	40	15
931	Antique Blue-MD	643	253	613	241	551	216
938	Coffee Brown-UL DK	247	97	235	92	211	83

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977	Golden Brown-LT	184	72	175	68	158	62
3013	Khaki Green-LT	359	141	342	134	308	121
3021	Brown Gray-VY DK	380	149	362	142	325	127
3024	Brown Gray-VY LT	487	191	464	182	417	164
3032	Mocha Brown-MD	679	267	646	254	582	229
3041	Antique Violet-MD	525	206	500	196	450	177
3045	Yellow Beige-DK	182	71	174	68	156	61
3046	Yellow Beige-MD	415	163	395	155	356	140
3047	Yellow Beige-LT	1237	487	1178	463	1060	417
3052	Green Gray-MD	649	255	618	243	556	218
3064	Desert Sand	344	135	328	129	295	116
3072	Beaver Gray-VY LT	768	302	731	287	658	259
3078	Golden Yellow-VY LT	1313	516	1251	492	1126	443
3346	Hunter Green	122	48	116	45	104	40
3347	Yellow Green-MD	237	93	225	88	203	79
3348	Yellow Green-LT	142	55	135	53	121	47
3362	Pine Green-DK	261	102	249	98	224	88
3363	Pine Green-MD	66	25	63	24	57	22
3364	Pine Green	411	161	392	154	352	138
3726	Antique Mauve-DK	434	170	414	162	372	146
3740	Antique Violet-DK	57	22	54	21	48	18
3747	Blue Violet-VY LT	936	368	892	351	803	316
3752	Antique Blue-VY LT	61	24	58	22	52	20
3756	Baby Blue-UL VY LT	414	162	394	155	354	139
3768	Gray Green-DK	333	131	317	124	285	112
3772	Desert Sand-VY DK	715	281	681	268	613	241
3776	Mahogany-LT	811	319	772	303	695	273
3778	Terra Cotta-LT	677	266	645	253	581	228
3787	Brown Gray-DK	598	235	569	224	512	201
3790	Beige Gray-UL DK	196	77	187	73	168	66
3799	Pewter Gray-VY DK	526	207	501	197	451	177
3802	Antique Mauve-VY DK	97	38	92	36	83	32
3823	Yellow-UL Pale	1340	527	1276	502	1149	452
3824	Apricot-LT	768	302	731	287	658	259
3827	Golden Brown-Pale	300	118	285	112	257	101
3828	Hazelnut Brown	210	82	200	78	180	70
3829	Old Gold-VY DK	175	68	166	65	150	59
3835	Grape-MD	215	84	205	80	184	72
3839	Lavender Blue-MD	674	265	642	252	578	227
3840	Lavender Blue-LT	565	222	538	211	484	190
3845	Bright Turquoise-MD	194	76	185	72	166	65
3853	Autumn Gold-DK	54	21	52	20	46	18
3855	Autumn Gold-LT	685	269	653	257	587	231
3856	Mahogany-UL VY LT	291	114	277	109	249	98
3860	Cocoa	440	173	419	164	377	148
3861	Cocoa-LT	87	34	83	32	74	29
3864	Mocha Beige-LT	367	144	349	137	314	123
3865	Winter White	3315	1305	3157	1242	2842	1118
3866	Mocha Brown-UL VY LT	1276	502	1215	478	1094	430
ecru	Ecru	685	269	652	256	587	231

Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
221	Shell Pink-VY DK	396	155	330	129	165	65
301	Mahogany-MD	598	234	498	195	249	98
310	Black	1040	409	867	341	434	170
315	Antique Mauve-VY DK	1229	482	1025	402	512	201
316	Antique Mauve-MD	871	342	726	285	363	143
317	Pewter Gray	106	41	89	35	44	17
334	Baby Blue-MD	49	18	41	15	20	8
340	Blue Violet-MD	452	176	377	147	188	74
341	Blue Violet-LT	540	212	450	177	225	89
352	Coral-LT	1188	466	990	389	495	194
356	Terra Cotta-MD	400	157	333	131	167	65
370	Mustard-MD	515	202	429	168	215	84
371	Mustard	85	32	71	27	35	14
402	Mahogany-VY LT	754	295	629	246	314	123
415	Pearl Gray	101	40	84	33	42	17
437	Tan-LT	445	175	371	146	185	73
452	Shell Gray-MD	626	247	522	206	261	103
502	Blue Green	567	223	473	186	236	93
503	Blue Green-MD	517	202	431	168	215	84
522	Fern Green	1048	412	873	344	437	172
564	Jade-VY LT	380	149	317	125	158	62
611	Drab Brown	364	142	303	119	152	59
613	Drab Brown-VY LT	1840	724	1533	603	767	302
644	Beige Gray-MD	634	248	528	207	264	104
645	Beaver Gray-VY DK	245	95	204	80	102	40
647	Beaver Gray-MD	697	274	581	228	290	114
680	Old Gold-DK	90	34	75	29	38	14
712	Cream	1834	722	1529	602	764	301
722	Orange Spice-LT	3404	1339	2837	1116	1418	558
732	Olive Green	59	22	50	18	25	9
738	Tan-VY LT	670	263	558	219	279	110
739	Tan-UL VY LT	173	67	144	56	72	28
746	Off White	2963	1166	2469	972	1235	486
747	Sky Blue-VY LT	180	70	150	59	75	29
760	Salmon	137	52	114	44	57	22
762	Pearl Gray-VY LT	1742	686	1452	572	726	286
775	Baby Blue-VY LT	76	29	63	24	32	12
794	Cornflower Blue-LT	63	23	53	20	26	10
801	Coffee Brown-DK	200	77	167	65	83	32
807	Peacock Blue	95	36	80	30	40	15
809	Delft Blue	923	362	770	302	385	151
823	Navy Blue-DK	275	108	230	90	115	45
826	Blue-MD	607	238	506	198	253	99
833	Golden Olive-LT	203	79	170	66	85	33
839	Beige Brown-DK	205	79	171	66	86	33
869	Hazelnut Brown-VY DK	153	59	128	50	64	25
895	Hunter Green-VY DK	351	137	293	114	146	57
902	Garnet-VY DK	59	22	50	18	25	9
921	Copper	623	245	519	204	260	102
922	Copper-LT	1946	765	1622	638	811	319
927	Gray Green-LT	475	185	396	155	198	77
930	Antique Blue-DK	72	27	60	23	30	11
931	Antique Blue-MD	992	389	827	324	413	162

938	Coffee Brown-UL DK	380	149	317	125	158	62
977	Golden Brown-LT	284	112	237	93	119	47
3013	Khaki Green-LT	554	218	462	182	231	91
3021	Brown Gray -VY DK	585	229	488	191	244	95
3024	Brown Gray -VY LT	751	295	626	246	313	123
3032	Mocha Brown-MD	1048	412	873	344	437	172
3041	Antique Violet-MD	810	319	675	266	338	133
3045	Yellow Beige-DK	281	110	234	92	117	46
3046	Yellow Beige-MD	641	252	534	210	267	105
3047	Yellow Beige-LT	1908	751	1590	626	795	313
3052	Green Gray-MD	1001	392	834	327	417	164
3064	Desert Sand	531	209	443	174	221	87
3072	Beaver Gray-VY LT	1184	466	987	389	494	194
3078	Golden Yellow -VY LT	2027	797	1689	665	845	332
3346	Hunter Green	187	72	156	60	78	30
3347	Yellow Green-MD	365	142	305	119	152	59
3348	Yellow Green-LT	218	85	182	71	91	35
3362	Pine Green-DK	403	158	336	132	168	66
3363	Pine Green-MD	103	40	86	33	43	17
3364	Pine Green	634	248	528	207	264	104
3726	Antique Mauve-DK	670	263	558	219	279	110
3740	Antique Violet-DK	86	32	72	27	36	14
3747	Blue Violet-VY LT	1445	569	1205	474	602	237
3752	Antique Blue-VY LT	94	36	78	30	39	15
3756	Baby Blue-UL VY LT	637	250	531	209	266	104
3768	Gray Green-DK	513	202	428	168	214	84
3772	Desert Sand-VY DK	1103	434	920	362	460	181
3776	Mahogany-LT	1251	491	1043	410	521	205
3778	Terra Cotta-LT	1046	410	872	342	436	171
3787	Brown Gray -DK	922	362	768	302	384	151
3790	Beige Gray-UL DK	302	119	252	99	126	50
3799	Pewter Gray -VY DK	812	319	677	266	338	133
3802	Antique Mauve-VY DK	149	58	125	48	62	24
3823	Yellow -UL Pale	2068	814	1724	678	862	339
3824	Apricot-LT	1184	466	987	389	494	194
3827	Golden Brown-Pale	463	182	386	152	193	76
3828	Hazelnut Brown	324	126	270	105	135	53
3829	Old Gold-VY DK	270	106	225	89	113	44
3835	Grape-MD	331	130	276	108	138	54
3839	Lavender Blue-MD	1040	409	867	341	434	170
3840	Lavender Blue-LT	871	342	726	285	363	143
3845	Bright Turquoise-MD	299	117	249	98	125	49
3853	Autumn Gold-DK	83	32	69	27	35	14
3855	Autumn Gold-LT	1057	416	881	347	440	173
3856	Mahogany-UL VY LT	448	176	374	147	187	74
3860	Cocoa	679	266	566	222	283	111
3861	Cocoa-LT	133	52	111	44	56	22
3864	Mocha Beige-LT	565	221	471	185	236	92
3865	Winter White	5116	2012	4263	1677	2132	839
3866	Mocha Brown-UL VY LT	1969	774	1641	645	821	323
ecru	Ecru	1057	416	881	347	440	173

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
221	Shell Pink-VY DK	158	62	152	60	147	57
301	Mahogany-MD	239	94	230	90	221	87
310	Black	416	163	400	157	385	151
315	Antique Mauve-VY DK	492	193	473	186	455	179
316	Antique Mauve-MD	348	137	335	132	323	127
317	Pewter Gray	42	17	41	16	39	15
334	Baby Blue-MD	19	7	19	7	18	7
340	Blue Violet-MD	181	71	174	68	167	65
341	Blue Violet-LT	216	85	208	82	200	79
352	Coral-LT	475	186	457	179	440	173
356	Terra Cotta-MD	160	63	154	60	148	58
370	Mustard-MD	206	81	198	78	191	75
371	Mustard	34	13	33	12	31	12
402	Mahogany-VY LT	302	118	290	114	279	109
415	Pearl Gray	40	16	39	15	37	15
437	Tan-LT	178	70	171	67	165	65
452	Shell Gray-MD	251	99	241	95	232	91
502	Blue Green	227	89	218	86	210	83
503	Blue Green-MD	207	81	199	78	191	75
522	Fern Green	419	165	403	159	388	153
564	Jade-VY LT	152	60	146	57	141	55
611	Drab Brown	145	57	140	55	135	53
613	Drab Brown-VY LT	736	289	708	278	681	268
644	Beige Gray-MD	253	99	244	96	235	92
645	Beaver Gray-VY DK	98	38	94	37	91	35
647	Beaver Gray-MD	279	109	268	105	258	101
680	Old Gold-DK	36	14	35	13	33	13
712	Cream	734	289	705	278	679	267
722	Orange Spice-LT	1362	536	1309	515	1261	496
732	Olive Green	24	9	23	8	22	8
738	Tan-VY LT	268	105	258	101	248	97
739	Tan-UL VY LT	69	27	66	26	64	25
746	Off White	1185	467	1140	449	1097	432
747	Sky Blue-VY LT	72	28	69	27	67	26
760	Salmon	55	21	53	20	51	19
762	Pearl Gray-VY LT	697	274	670	264	645	254
775	Baby Blue-VY LT	30	12	29	11	28	11
794	Cornflower Blue-LT	25	9	24	9	23	9
801	Coffee Brown-DK	80	31	77	30	74	29
807	Peacock Blue	38	14	37	14	35	13
809	Delft Blue	369	145	355	139	342	134
823	Navy Blue-DK	110	43	106	42	102	40
826	Blue-MD	243	95	233	91	225	88
833	Golden Olive-LT	81	32	78	30	75	29
839	Beige Brown-DK	82	32	79	30	76	29
869	Hazelnut Brown-VY DK	61	24	59	23	57	22
895	Hunter Green-VY DK	140	55	135	53	130	51
902	Garnet-VY DK	24	9	23	8	22	8
921	Copper	249	98	240	94	231	91
922	Copper-LT	778	306	748	294	721	283
927	Gray Green-LT	190	74	183	71	176	69
930	Antique Blue-DK	29	11	28	10	27	10
931	Antique Blue-MD	397	156	381	150	367	144

938	Coffee Brown-UL DK	152	60	146	57	141	55
977	Golden Brown-LT	114	45	109	43	105	41
3013	Khaki Green-LT	222	87	213	84	205	81
3021	Brown Gray-VY DK	234	91	225	88	217	85
3024	Brown Gray-VY LT	300	118	289	114	278	109
3032	Mocha Brown-MD	419	165	403	159	388	153
3041	Antique Violet-MD	324	127	312	123	300	118
3045	Yellow Beige-DK	112	44	108	42	104	41
3046	Yellow Beige-MD	256	101	246	97	237	93
3047	Yellow Beige-LT	763	300	734	289	707	278
3052	Green Gray-MD	400	157	385	151	371	145
3064	Desert Sand	212	84	204	80	197	77
3072	Beaver Gray-VY LT	474	186	456	179	439	173
3078	Golden Yellow-VY LT	811	319	780	307	751	295
3346	Hunter Green	75	29	72	28	69	27
3347	Yellow Green-MD	146	57	141	55	135	53
3348	Yellow Green-LT	87	34	84	33	81	31
3362	Pine Green-DK	161	63	155	61	149	59
3363	Pine Green-MD	41	16	39	15	38	15
3364	Pine Green	253	99	244	96	235	92
3726	Antique Mauve-DK	268	105	258	101	248	97
3740	Antique Violet-DK	35	13	33	12	32	12
3747	Blue Violet-VY LT	578	228	556	219	535	211
3752	Antique Blue-VY LT	37	14	36	14	35	13
3756	Baby Blue-UL VY LT	255	100	245	96	236	93
3768	Gray Green-DK	205	81	197	78	190	75
3772	Desert Sand-VY DK	441	174	424	167	409	161
3776	Mahogany-LT	500	197	481	189	463	182
3778	Terra Cotta-LT	418	164	402	158	387	152
3787	Brown Gray-DK	369	145	354	139	341	134
3790	Beige Gray-UL DK	121	48	116	46	112	44
3799	Pewter Gray-VY DK	325	127	312	123	301	118
3802	Antique Mauve-VY DK	60	23	57	22	55	21
3823	Yellow-UL Pale	827	325	795	313	766	301
3824	Apricot-LT	474	186	456	179	439	173
3827	Golden Brown-Pale	185	73	178	70	171	67
3828	Hazelnut Brown	130	50	125	48	120	47
3829	Old Gold-VY DK	108	42	104	41	100	39
3835	Grape-MD	132	52	127	50	123	48
3839	Lavender Blue-MD	416	163	400	157	385	151
3840	Lavender Blue-LT	348	137	335	132	323	127
3845	Bright Turquoise-MD	120	47	115	45	111	43
3853	Autumn Gold-DK	33	13	32	12	31	12
3855	Autumn Gold-LT	423	166	406	160	391	154
3856	Mahogany-UL VY LT	179	71	172	68	166	65
3860	Cocoa	271	107	261	102	251	99
3861	Cocoa-LT	53	21	51	20	49	19
3864	Mocha Beige-LT	226	89	217	85	209	82
3865	Winter White	2046	805	1968	774	1895	745
3866	Mocha Brown-UL VY LT	788	310	757	298	729	287
ecru	Ecru	423	166	406	160	391	154

Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
221	Shell Pink-VY DK	141	55	132	52	124	48
301	Mahogany-MD	213	84	199	78	187	73
310	Black	372	146	347	136	325	128
315	Antique Mauve-VY DK	439	172	410	161	384	151
316	Antique Mauve-MD	311	122	290	114	272	107
317	Pewter Gray	38	15	35	14	33	13
334	Baby Blue-MD	17	6	16	6	15	6
340	Blue Violet-MD	161	63	151	59	141	55
341	Blue Violet-LT	193	76	180	71	169	66
352	Coral-LT	424	167	396	155	371	146
356	Terra Cotta-MD	143	56	133	52	125	49
370	Mustard-MD	184	72	172	67	161	63
371	Mustard	30	12	28	11	26	10
402	Mahogany-VY LT	269	105	251	98	236	92
415	Pearl Gray	36	14	34	13	32	12
437	Tan-LT	159	62	148	58	139	55
452	Shell Gray-MD	224	88	209	82	196	77
502	Blue Green	203	80	189	74	177	70
503	Blue Green-MD	185	72	172	67	161	63
522	Fern Green	374	147	349	137	327	129
564	Jade-VY LT	136	53	127	50	119	47
611	Drab Brown	130	51	121	47	114	44
613	Drab Brown-VY LT	657	258	613	241	575	226
644	Beige Gray-MD	226	89	211	83	198	78
645	Beaver Gray-VY DK	87	34	82	32	77	30
647	Beaver Gray-MD	249	98	232	91	218	86
680	Old Gold-DK	32	12	30	11	28	11
712	Cream	655	258	611	241	573	226
722	Orange Spice-LT	1216	478	1135	446	1064	419
732	Olive Green	21	8	20	7	19	7
738	Tan-VY LT	239	94	223	88	209	82
739	Tan-UL VY LT	62	24	58	22	54	21
746	Off White	1058	417	988	389	926	365
747	Sky Blue-VY LT	64	25	60	23	56	22
760	Salmon	49	19	46	17	43	16
762	Pearl Gray-VY LT	622	245	581	229	545	214
775	Baby Blue-VY LT	27	10	25	10	24	9
794	Cornflower Blue-LT	23	8	21	8	20	7
801	Coffee Brown-DK	71	28	67	26	62	24
807	Peacock Blue	34	13	32	12	30	11
809	Delft Blue	330	129	308	121	289	113
823	Navy Blue-DK	98	39	92	36	86	34
826	Blue-MD	217	85	202	79	190	74
833	Golden Olive-LT	73	28	68	26	64	25
839	Beige Brown-DK	73	28	68	26	64	25
869	Hazelnut Brown-VY DK	55	21	51	20	48	19
895	Hunter Green-VY DK	125	49	117	46	110	43
902	Garnet-VY DK	21	8	20	7	19	7
921	Copper	222	87	208	82	195	77
922	Copper-LT	695	273	649	255	608	239
927	Gray Green-LT	170	66	158	62	149	58
930	Antique Blue-DK	26	10	24	9	23	8
931	Antique Blue-MD	354	139	331	130	310	122
938	Coffee Brown-UL DK	136	53	127	50	119	47

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977	Golden Brown-LT	102	40	95	37	89	35
3013	Khaki Green-LT	198	78	185	73	173	68
3021	Brown Gray -VY DK	209	82	195	76	183	71
3024	Brown Gray -VY LT	268	105	250	98	235	92
3032	Mocha Brown-MD	374	147	349	137	327	129
3041	Antique Violet-MD	289	114	270	106	253	100
3045	Yellow Beige-DK	100	39	94	37	88	34
3046	Yellow Beige-MD	229	90	214	84	200	79
3047	Yellow Beige-LT	681	268	636	250	596	235
3052	Green Gray-MD	357	140	334	131	313	123
3064	Desert Sand	190	75	177	70	166	65
3072	Beaver Gray-VY LT	423	167	395	155	370	146
3078	Golden Yellow -VY LT	724	285	676	266	633	249
3346	Hunter Green	67	26	62	24	59	23
3347	Yellow Green-MD	131	51	122	47	114	44
3348	Yellow Green-LT	78	30	73	28	68	26
3362	Pine Green-DK	144	57	134	53	126	50
3363	Pine Green-MD	37	14	34	13	32	12
3364	Pine Green	226	89	211	83	198	78
3726	Antique Mauve-DK	239	94	223	88	209	82
3740	Antique Violet-DK	31	12	29	11	27	10
3747	Blue Violet-VY LT	516	203	482	190	452	178
3752	Antique Blue-VY LT	33	13	31	12	29	11
3756	Baby Blue-UL VY LT	228	89	212	83	199	78
3768	Gray Green-DK	183	72	171	67	160	63
3772	Desert Sand-VY DK	394	155	368	145	345	136
3776	Mahogany-LT	447	176	417	164	391	154
3778	Terra Cotta-LT	374	147	349	137	327	128
3787	Brown Gray -DK	329	129	307	121	288	113
3790	Beige Gray-UL DK	108	42	101	40	95	37
3799	Pewter Gray -VY DK	290	114	271	106	254	100
3802	Antique Mauve-VY DK	53	21	50	19	47	18
3823	Yellow -UL Pale	739	291	689	271	646	254
3824	Apricot-LT	423	167	395	155	370	146
3827	Golden Brown-Pale	165	65	154	61	145	57
3828	Hazelnut Brown	116	45	108	42	101	39
3829	Old Gold-VY DK	96	38	90	35	84	33
3835	Grape-MD	118	46	110	43	104	41
3839	Lavender Blue-MD	372	146	347	136	325	128
3840	Lavender Blue-LT	311	122	290	114	272	107
3845	Bright Turquoise-MD	107	42	100	39	93	37
3853	Autumn Gold-DK	30	12	28	11	26	10
3855	Autumn Gold-LT	377	149	352	139	330	130
3856	Mahogany-UL VY LT	160	63	149	59	140	55
3860	Cocoa	242	95	226	89	212	83
3861	Cocoa-LT	48	19	44	17	42	16
3864	Mocha Beige-LT	202	79	188	74	177	69
3865	Winter White	1827	719	1705	671	1599	629
3866	Mocha Brown-UL VY LT	703	276	656	258	615	242
ecru	Ecru	377	149	352	139	330	130

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10	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

$$(17) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$

$$(18) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$

	250	260	270	280	290
10					
20					
30					
40					
50					
60					
70					

	300	310	320	330	340
10					
20					
30					
40					
50					
60					
70					

(22)

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

	450	460	470	480	490
10					
20					
30					
40					
50					
60					
70					

	490	500	510	520	530	540
10	♠	♠	♠	♠	♠	♠
20	♠	♠	♠	♠	♠	♠
30	♠	♠	♠	♠	♠	♠
40	♠	♠	♠	♠	♠	♠
50	♠	♠	♠	♠	♠	♠
60	♠	♠	♠	♠	♠	♠
70	♠	♠	♠	♠	♠	♠

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

	590	600
10		
20		
30		
40		
50		
60		
70		

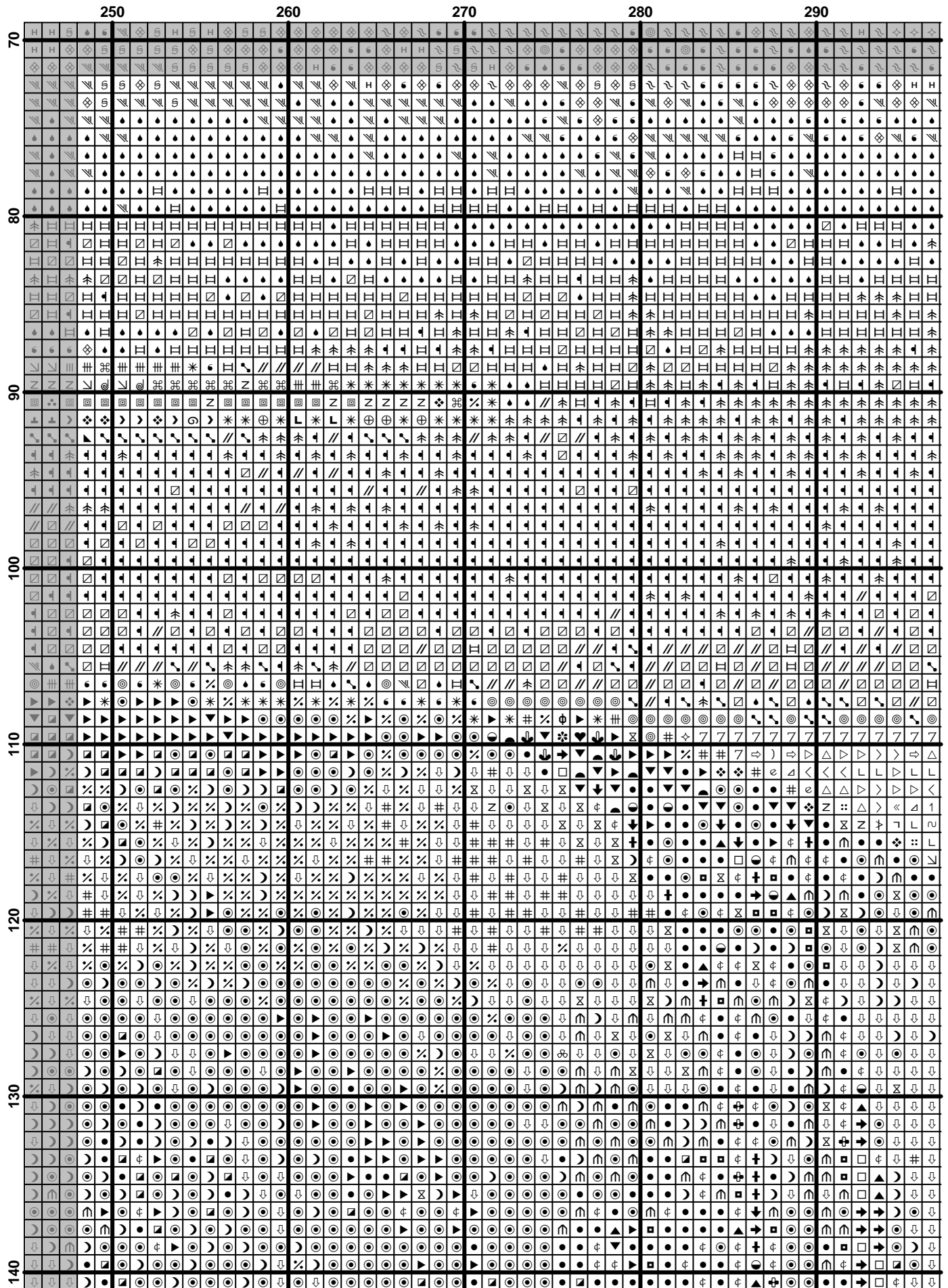
[illegible]

(29)

	100	110	120	130	140	150
70
80
90
100
110
120
130
140

[illegible]

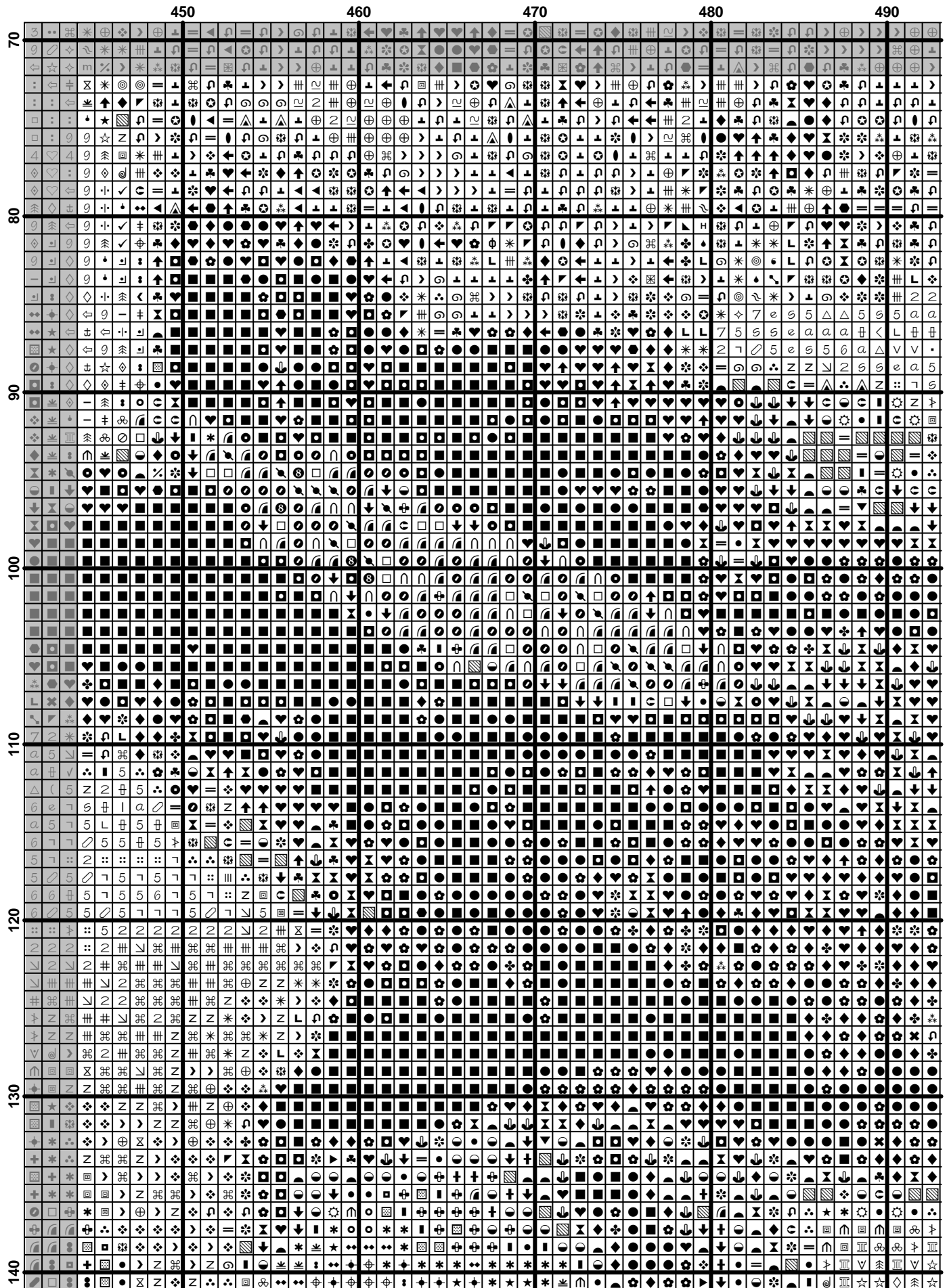
	200	210	220	230	240
70					
80					
90					
100					
110					
120					
130					
140					



$$(33) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (34)$$

	350	360	370	380	390
70	5	5	5	5	5
71	5	5	5	5	5
72	5	5	5	5	5
73	5	5	5	5	5
74	5	5	5	5	5
75	5	5	5	5	5
76	5	5	5	5	5
77	5	5	5	5	5
78	5	5	5	5	5
79	5	5	5	5	5
80	5	5	5	5	5
81	5	5	5	5	5
82	5	5	5	5	5
83	5	5	5	5	5
84	5	5	5	5	5
85	5	5	5	5	5
86	5	5	5	5	5
87	5	5	5	5	5
88	5	5	5	5	5
89	5	5	5	5	5
90	5	5	5	5	5
91	5	5	5	5	5
92	5	5	5	5	5
93	5	5	5	5	5
94	5	5	5	5	5
95	5	5	5	5	5
96	5	5	5	5	5
97	5	5	5	5	5
98	5	5	5	5	5
99	5	5	5	5	5
100	5	5	5	5	5
101	5	5	5	5	5
102	5	5	5	5	5
103	5	5	5	5	5
104	5	5	5	5	5
105	5	5	5	5	5
106	5	5	5	5	5
107	5	5	5	5	5
108	5	5	5	5	5
109	5	5	5	5	5
110	5	5	5	5	5
111	5	5	5	5	5
112	5	5	5	5	5
113	5	5	5	5	5
114	5	5	5	5	5
115	5	5	5	5	5
116	5	5	5	5	5
117	5	5	5	5	5
118	5	5	5	5	5
119	5	5	5	5	5
120	5	5	5	5	5
121	5	5	5	5	5
122	5	5	5	5	5
123	5	5	5	5	5
124	5	5	5	5	5
125	5	5	5	5	5
126	5	5	5	5	5
127	5	5	5	5	5
128	5	5	5	5	5
129	5	5	5	5	5
130	5	5	5	5	5
131	5	5	5	5	5
132	5	5	5	5	5
133	5	5	5	5	5
134	5	5	5	5	5
135	5	5	5	5	5
136	5	5	5	5	5
137	5	5	5	5	5
138	5	5	5	5	5
139	5	5	5	5	5
140	5	5	5	5	5

	400	410	420	430	440
70					
80					
90					
100					
110					
120					
130					
140					



	490	500	510	520	530	540
70						
80						
90						
100						
110						
120						
130						
140						

	540										550										560										570										580										590									
70																																																												
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140																																																												

(39)

[illegible]

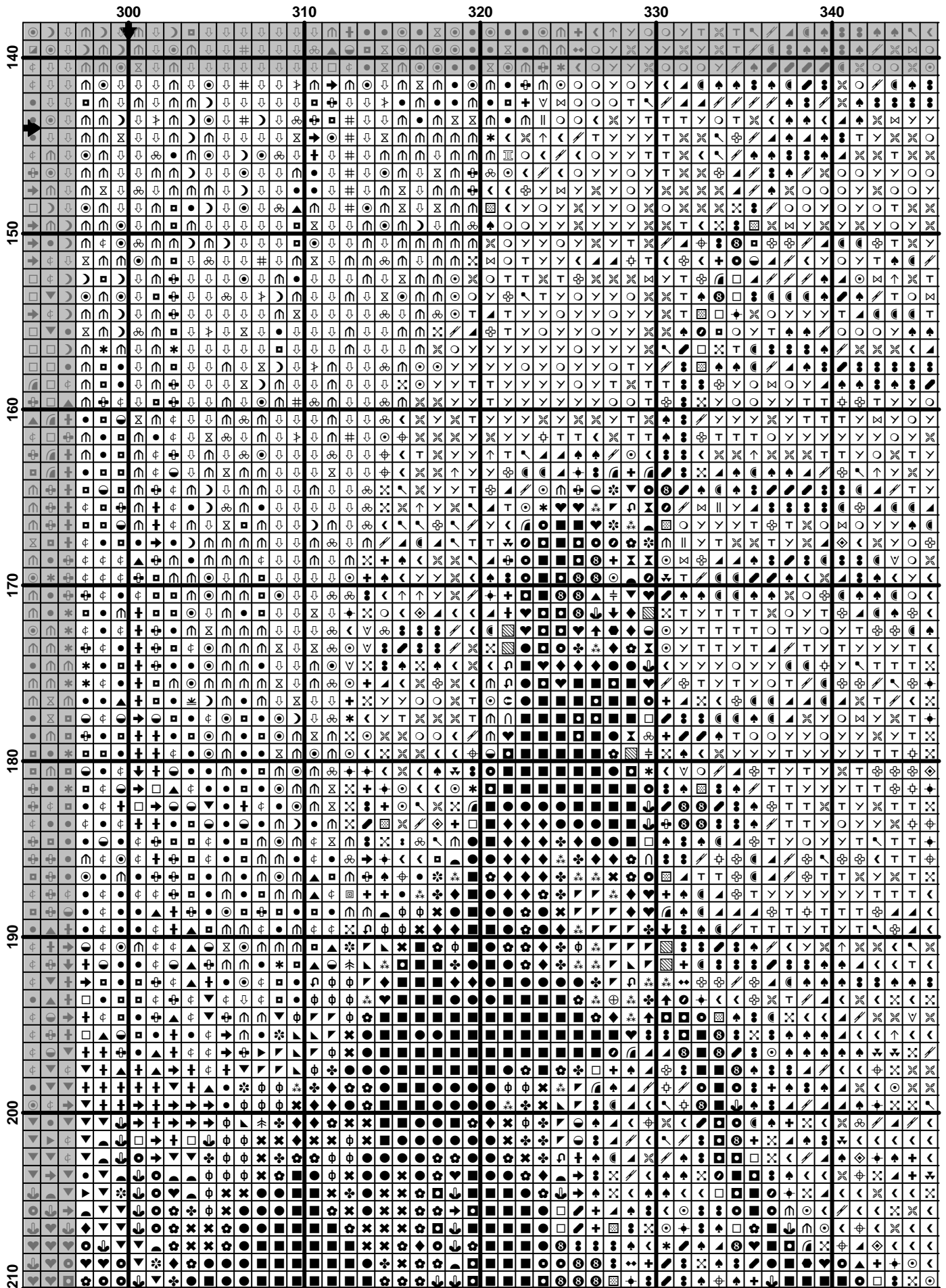
$$(41) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \mathcal{I}_\alpha f(t), \quad t \in [0, T],$$

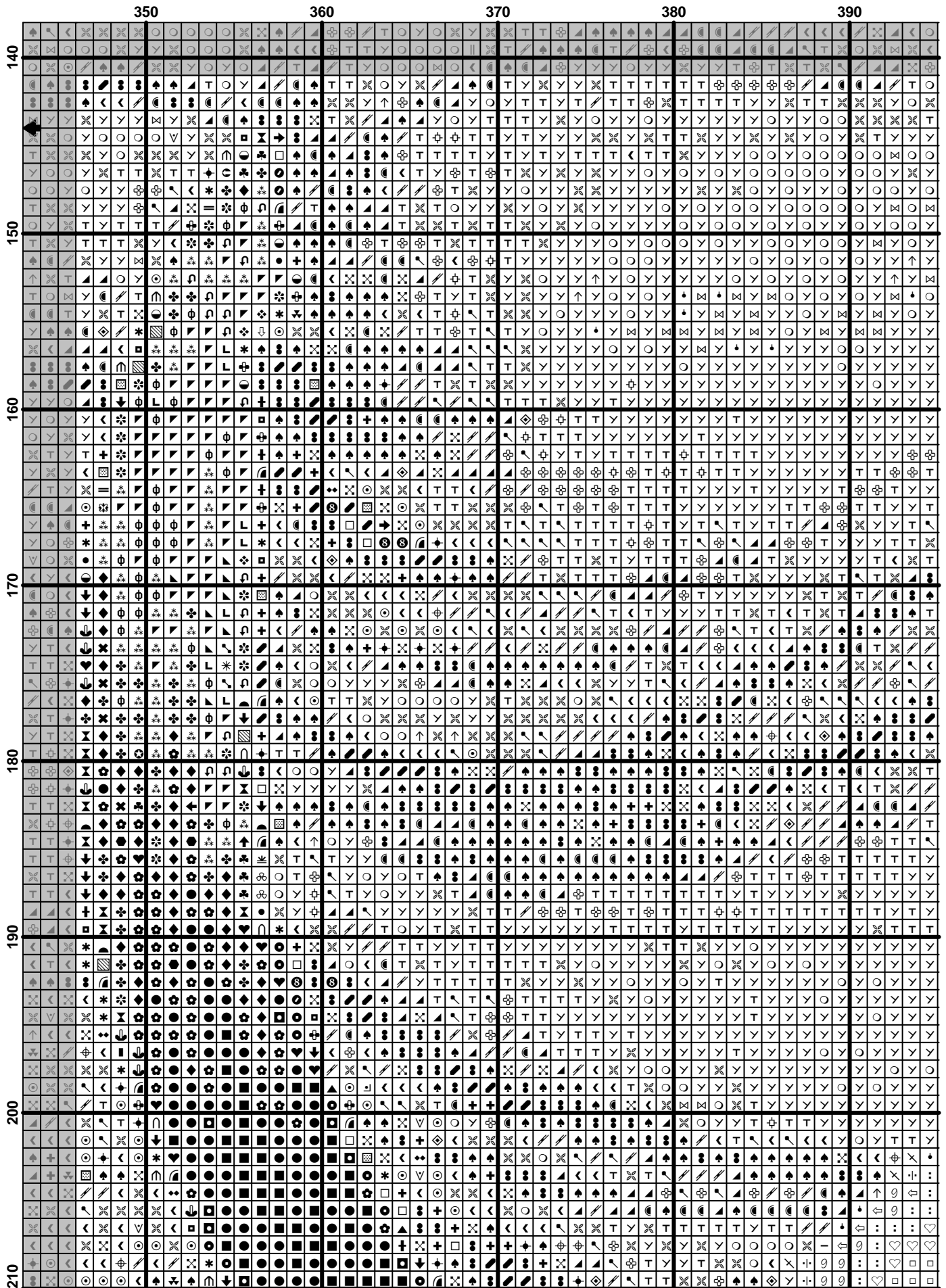
[illegible]

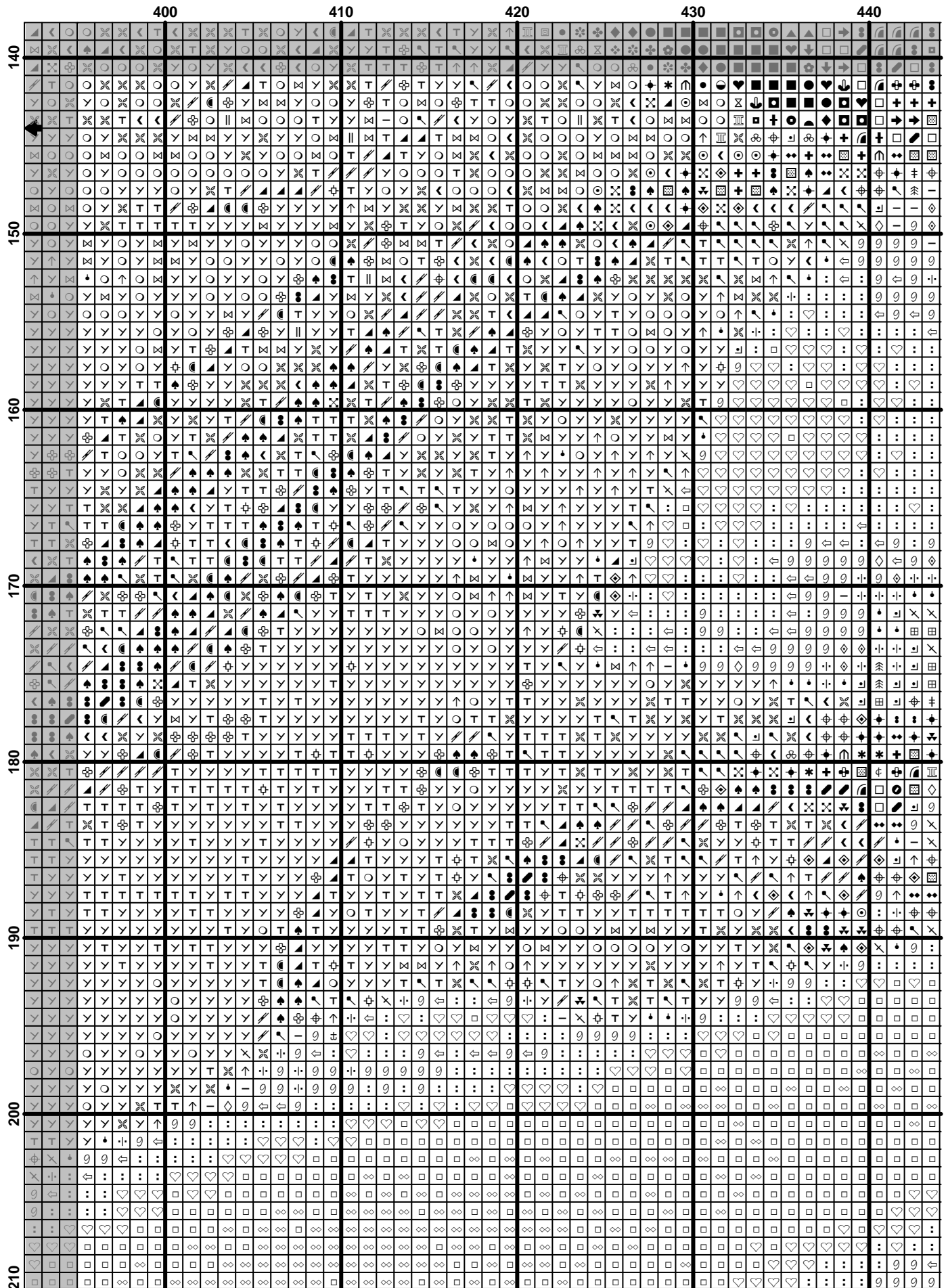
[illegible]

	200	210	220	230	240
140					
150					
160					
170					
180					
190					
200					
210					

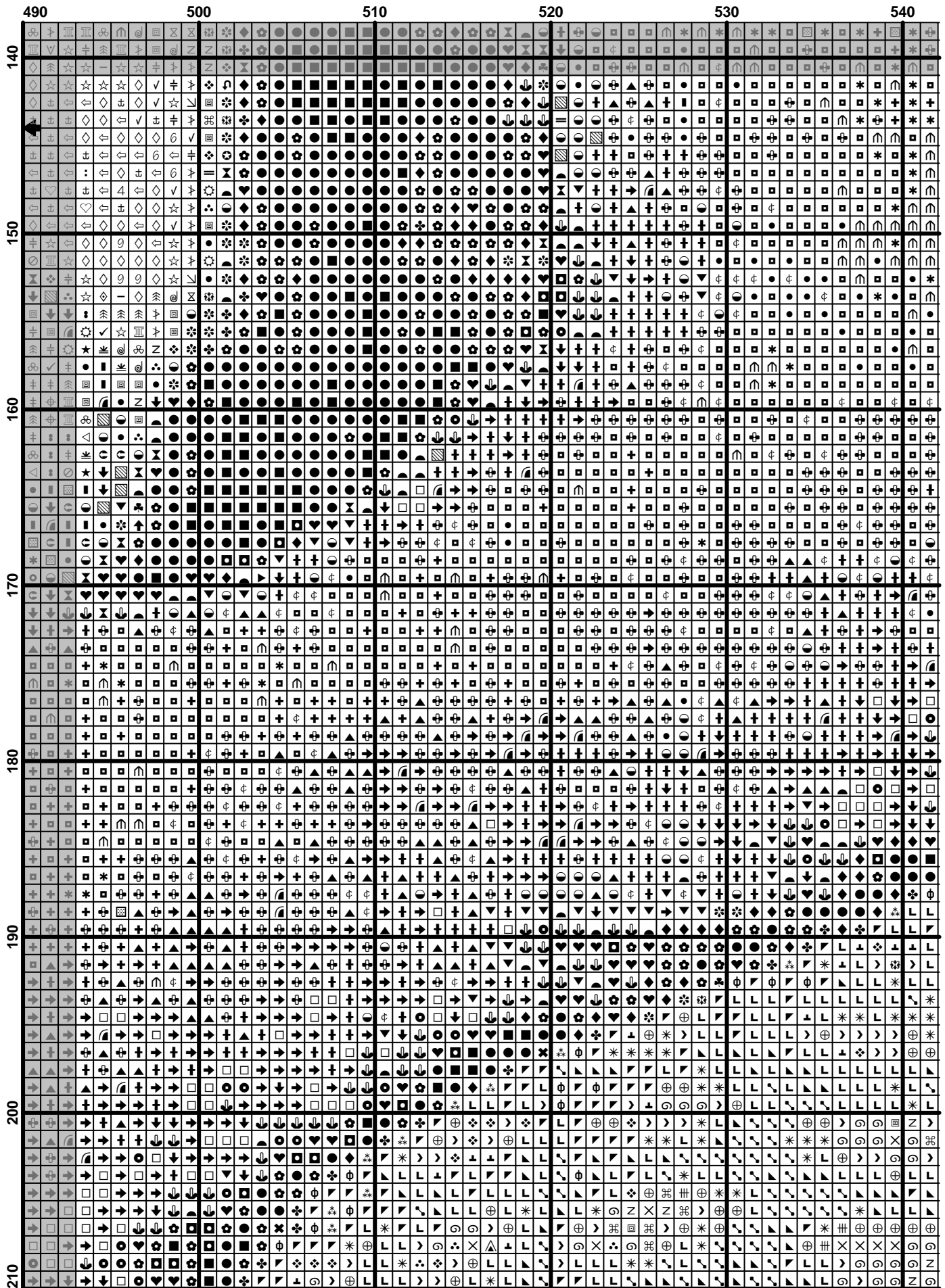


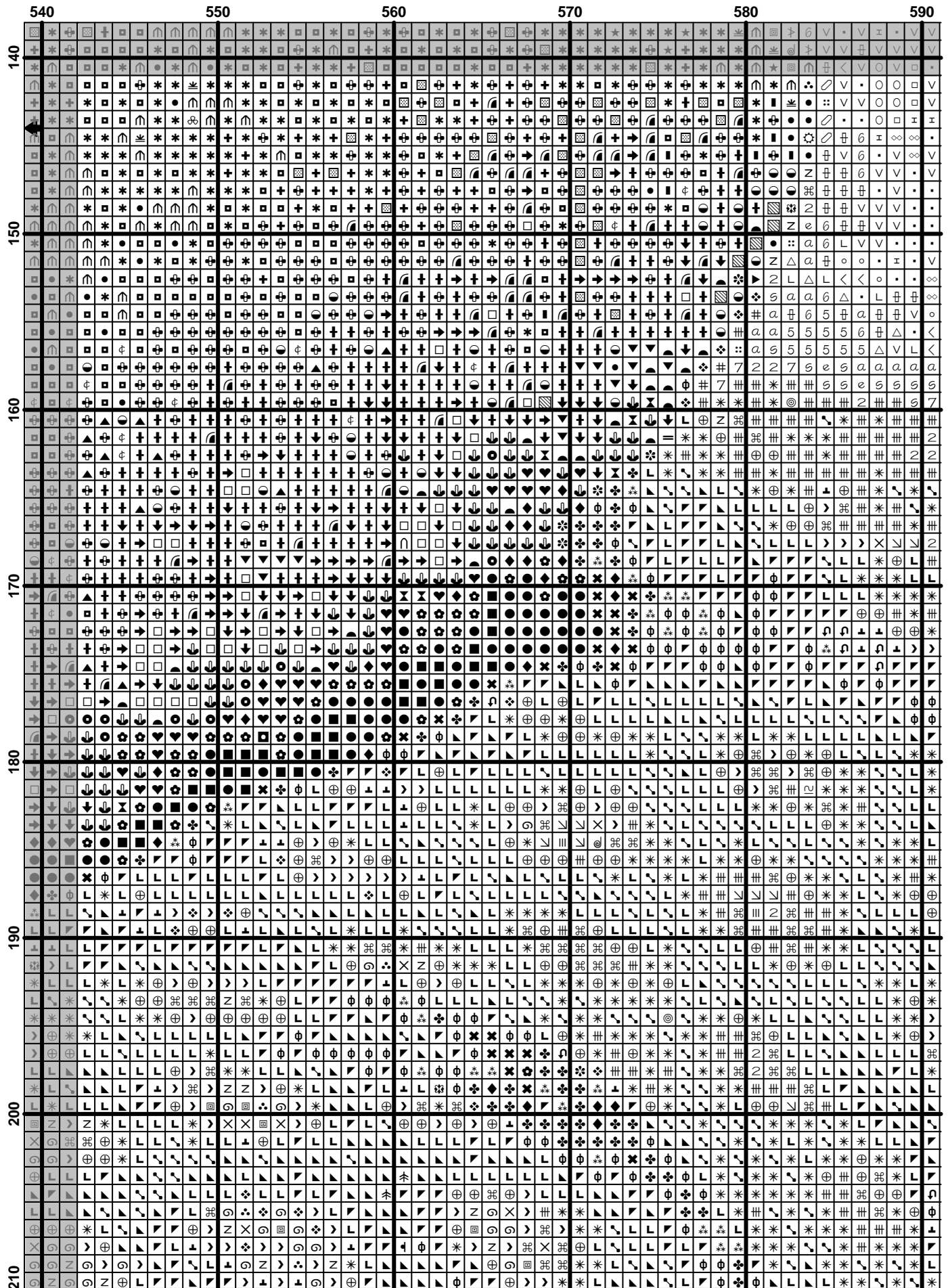






	450	460	470	480	490
140					
150					
160					
170					
180					
190					
200					
210					



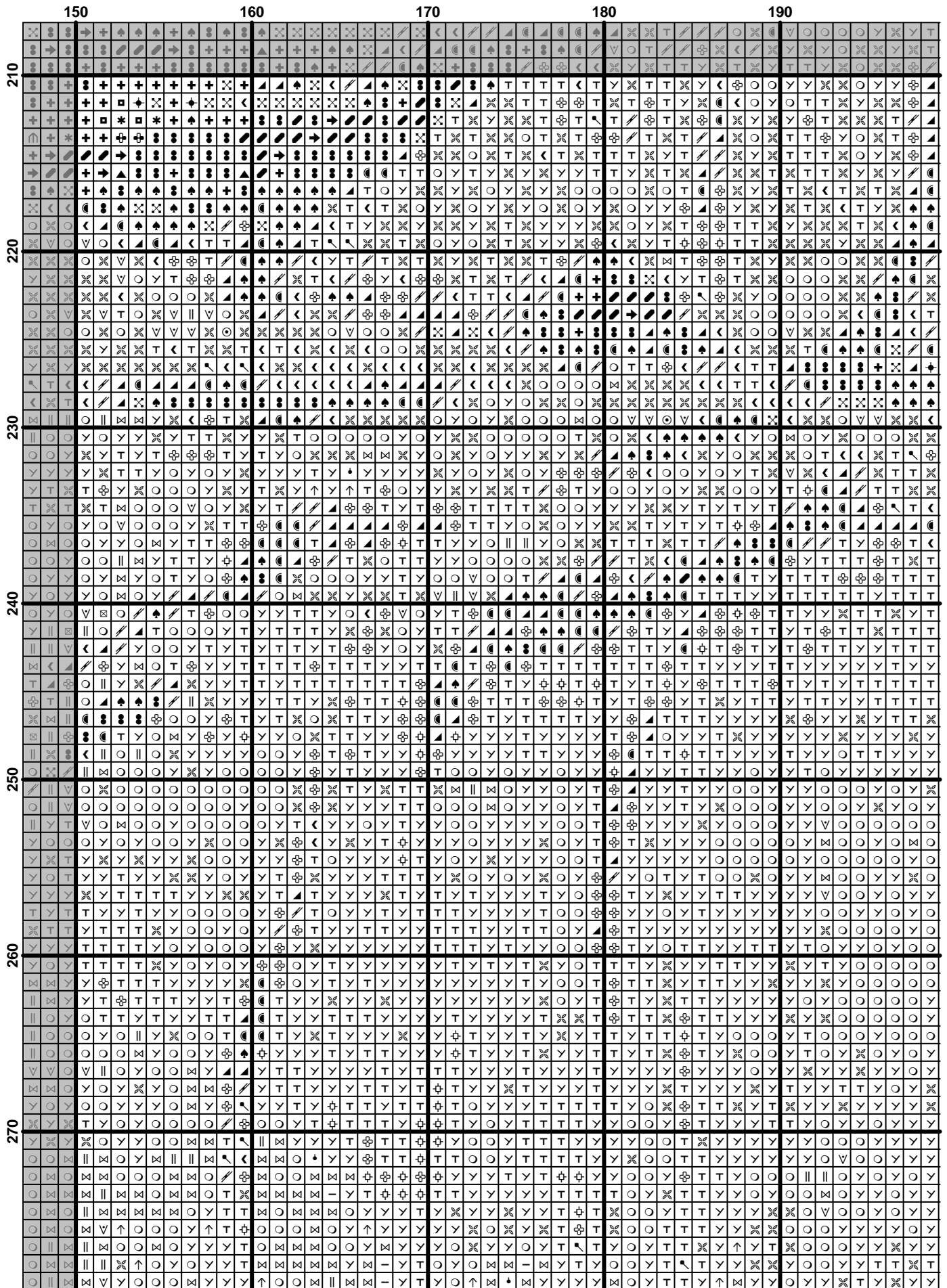


	590	600
	• V V V L 5 5 5 V 5	
140	V V V V 6 5 5 5 L Δ	
	V 5 • O 5 V 5 5 5 L L	
	O 5 V O V • • L 5 5 Δ Δ	
	O 5 V V V • I o V 5 5	
	5 5 5 • • • ∞ V 6 5 5	
	5 5 • 5 5 • ∞ I V 6 Δ Δ	
	V ∞ V o • • ∞ • • 5 e	
	V • V • V • o ∞ I 5 e	
	V • • • V o ∞ 5 5 5 e	
	V • • • o ∞ o o ∞ Δ Δ	
150	V • • • I ∞ o < • • L Δ	
	• • • ∞ o < • o • • L Δ	
	I • • V • o • < 1 ∞ o L Δ	
	• • • ∞ 5 < o < ∞ < Δ Δ	
	5 5 ∞ o V o 5 5 o 5 Δ e	
	5 V o • V o 5 5 ∞ 5 Δ	
	Δ • < V • o 5 5 ∞ V L 5	
	V L < < ∞ 5 1 5 ∞ • V 5	
	5 5 5 Δ Δ I 5 (5 • o 5	
	5 5 e 5 e Δ Δ • 5 Δ 5	
160	5 5 7 2 2 5 7 5 5 5 e	
	5 5 5 2 7 5 5 5 7 5 2	
	5 5 2 5 5 5 5 5 7 2 5	
	5 5 2 5 5 2 2 5 5 2 2	
	5 5 5 * 2 7 5 2 5 5 5	
	5 5 5 5 5 5 2 5 5 5 5	
	5 5 5 5 5 5 5 7 5 5 5	
	5 5 5 5 5 5 5 2 2 5 5	
	5 5 5 5 5 5 5 5 5 5 5	
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170	5 5 5 5 5 5 5 5 5 5 5	
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180	5 5 5 5 5 5 5 5 5 5 5	
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	5 5 5 5 5 5 5 5 5 5 5	
190	5 5 5 5 5 5 5 5 5 5 5	
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200	5 5 5 5 5 5 5 5 5 5 5	
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	5 5 5 5 5 5 5 5 5 5 5	
	5 5 5 5 5 5 5 5 5 5 5	
	5 5 5 5 5 5 5 5 5 5 5	
210	5 5 5 5 5 5 5 5 5 5 5	
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	5 5 5 5 5 5 5 5 5 5 5	
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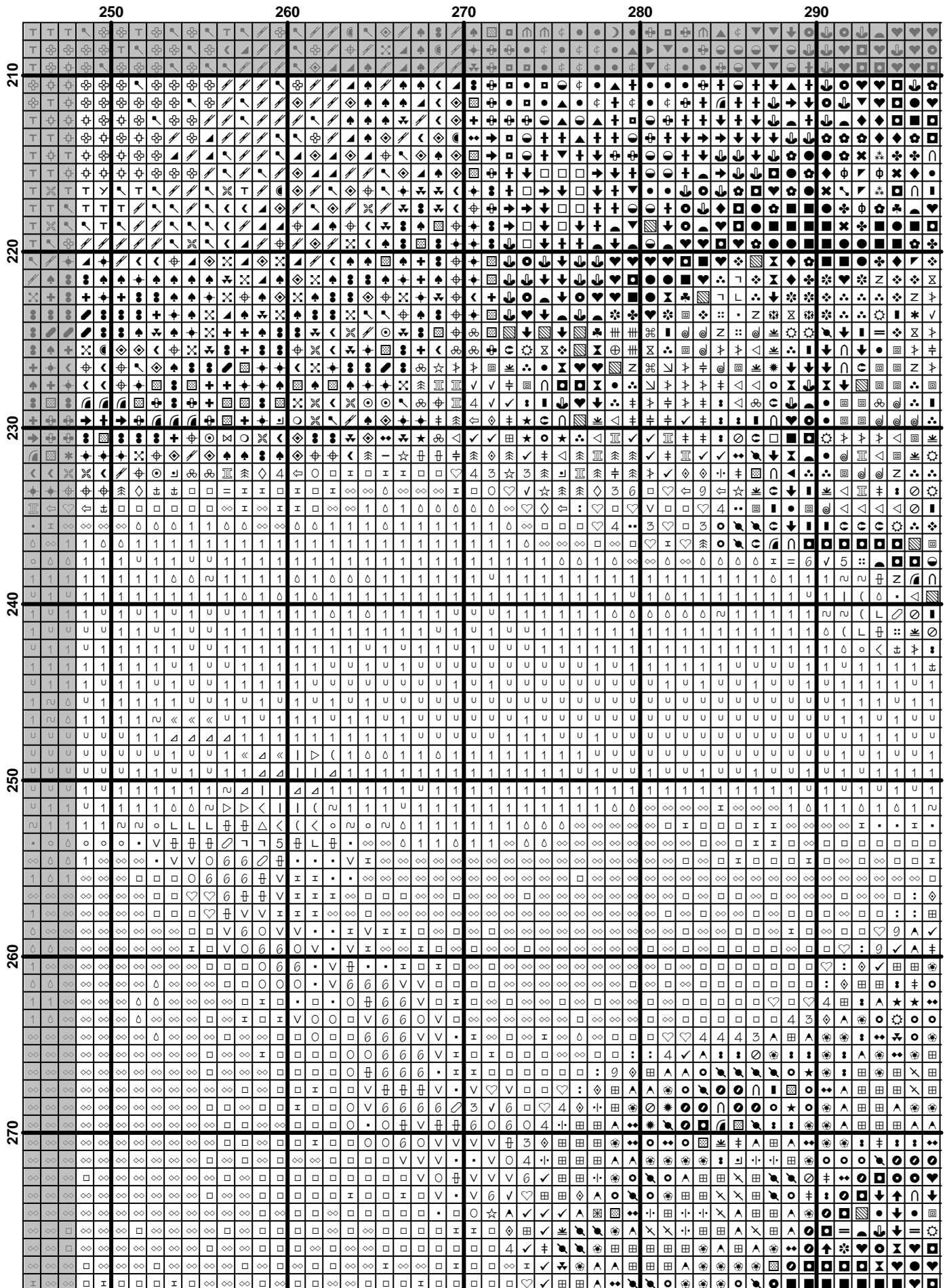
$$(53) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left(\sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

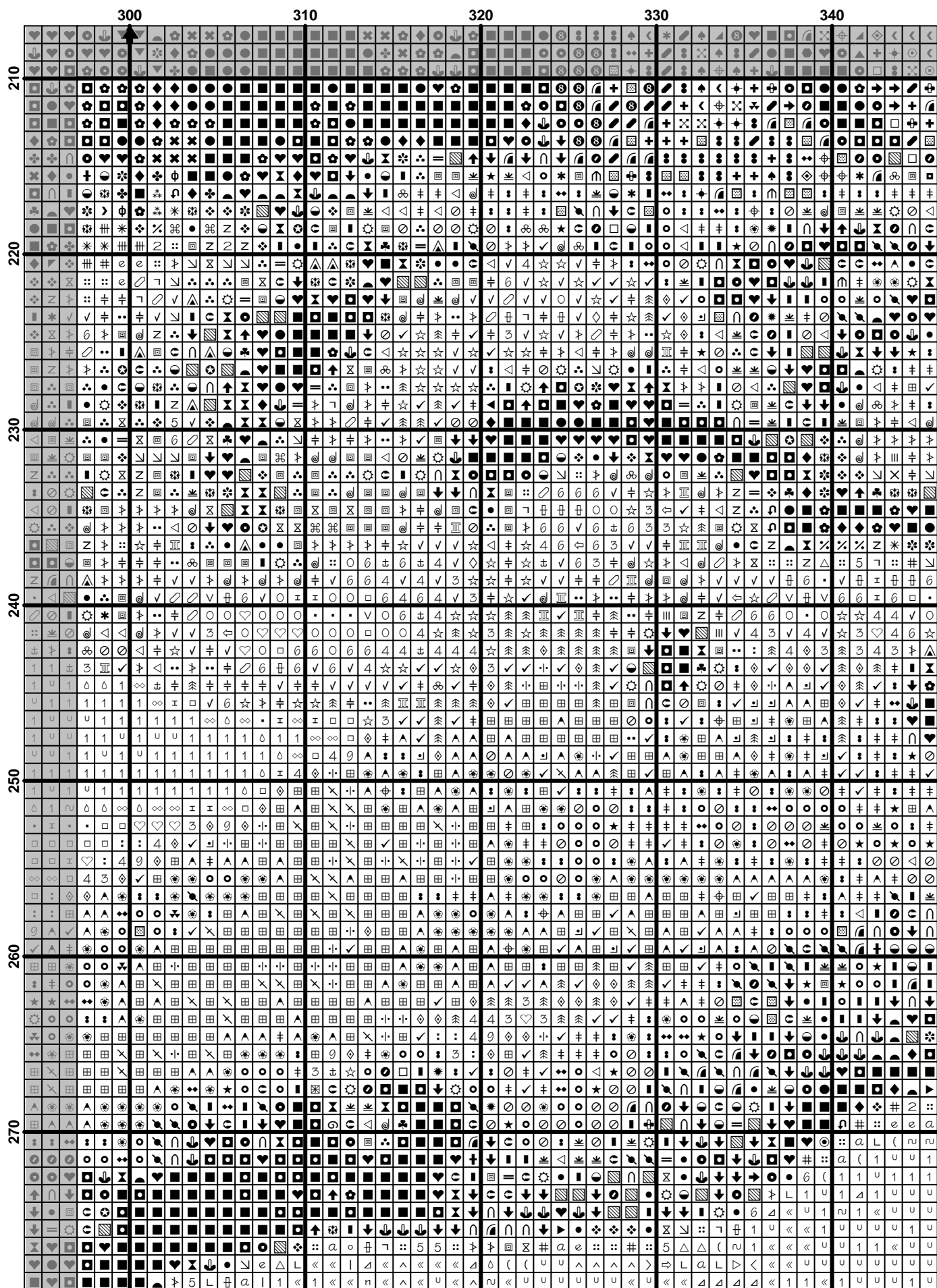
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210						
220						
230						
240						
250						
260						
270						

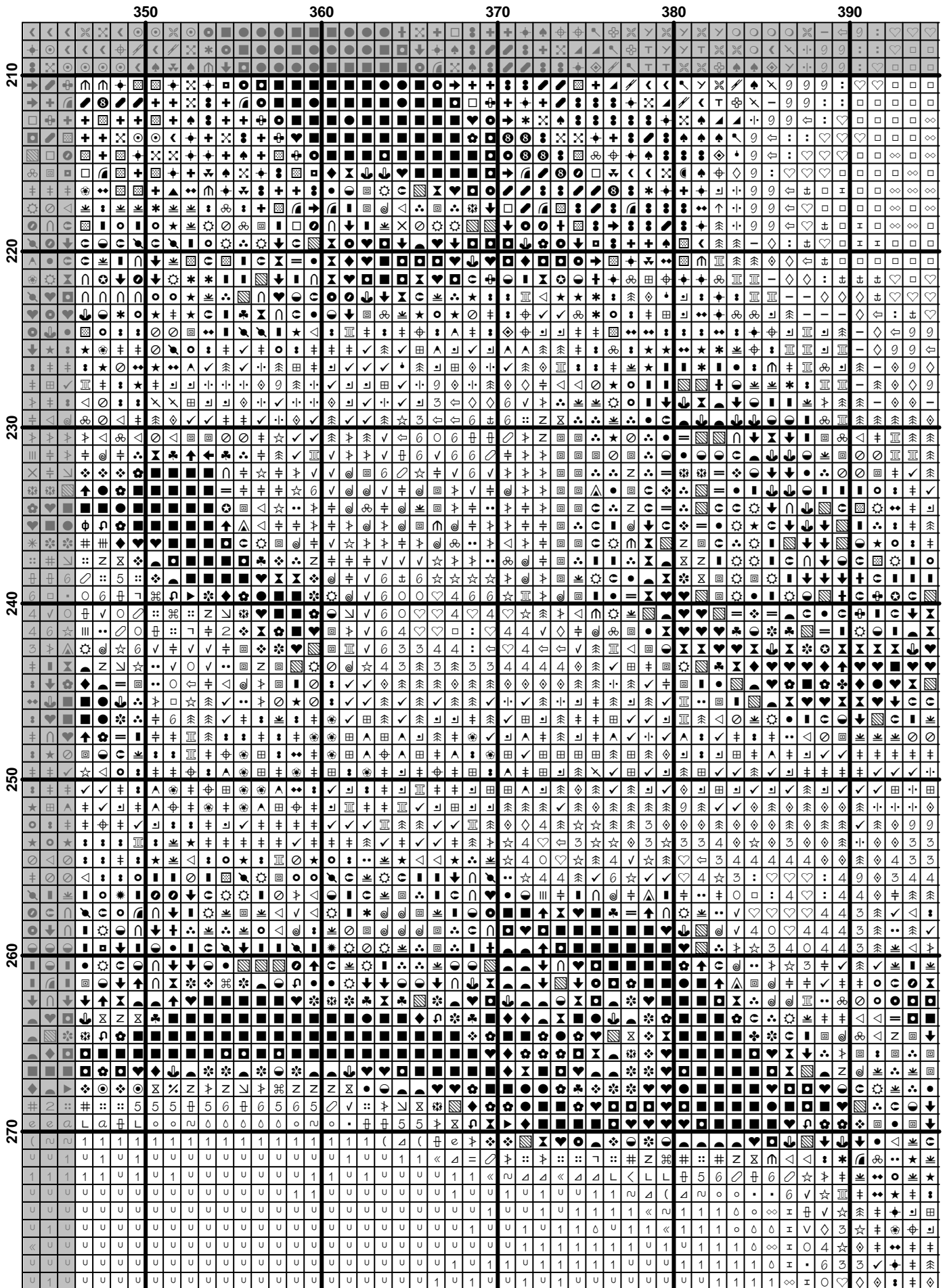
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210						
220						
230						
240						
250						
260						
270						



(58)



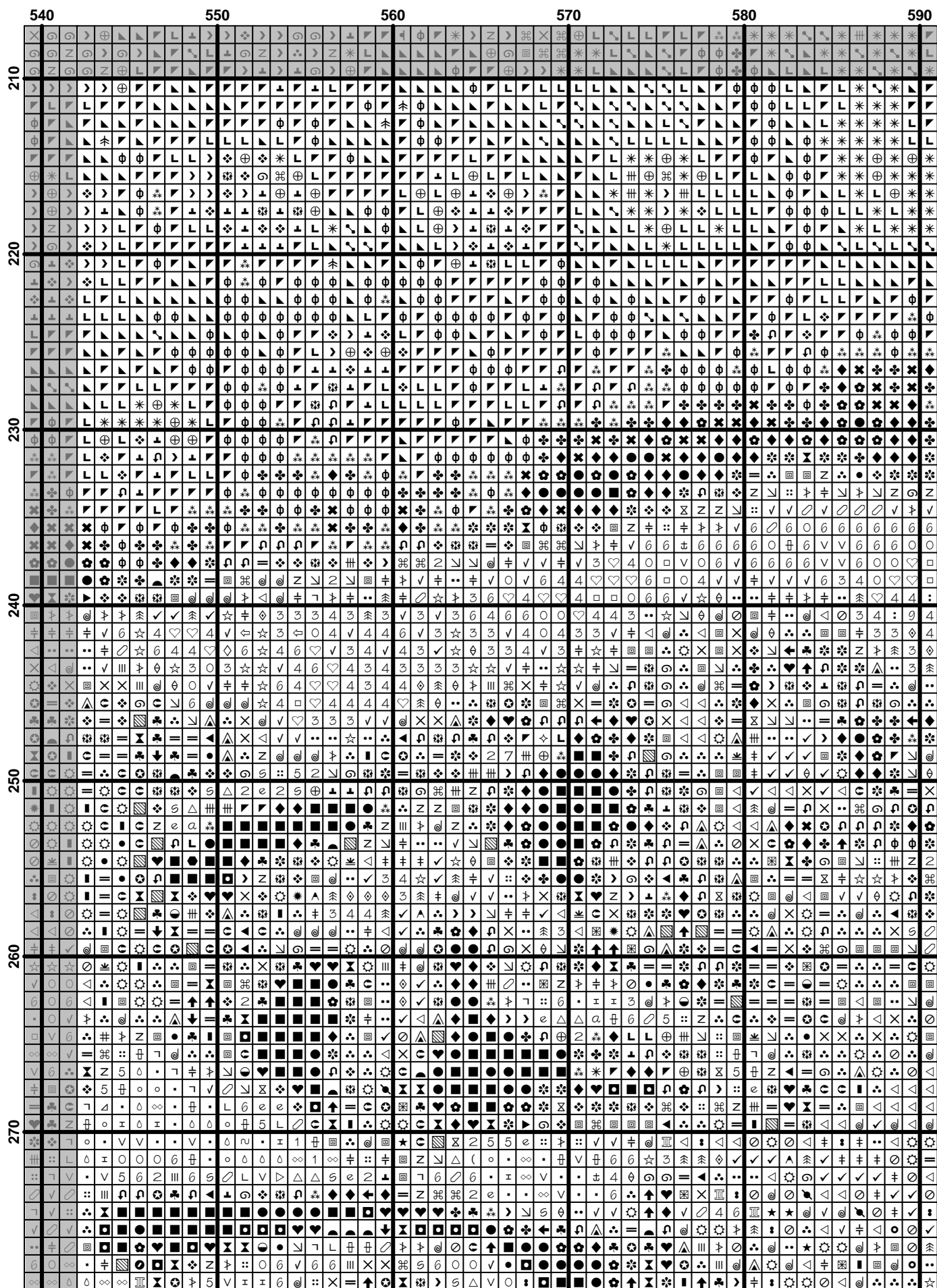


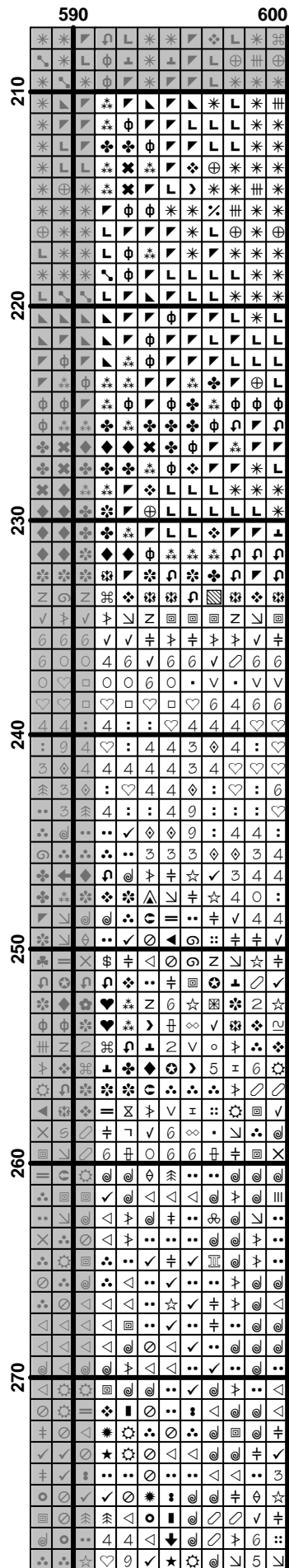


	400										410										420										430										440																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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$$(62) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

	490	500	510	520	530	540
210						
220						
230						
240						
250						
260						
270						





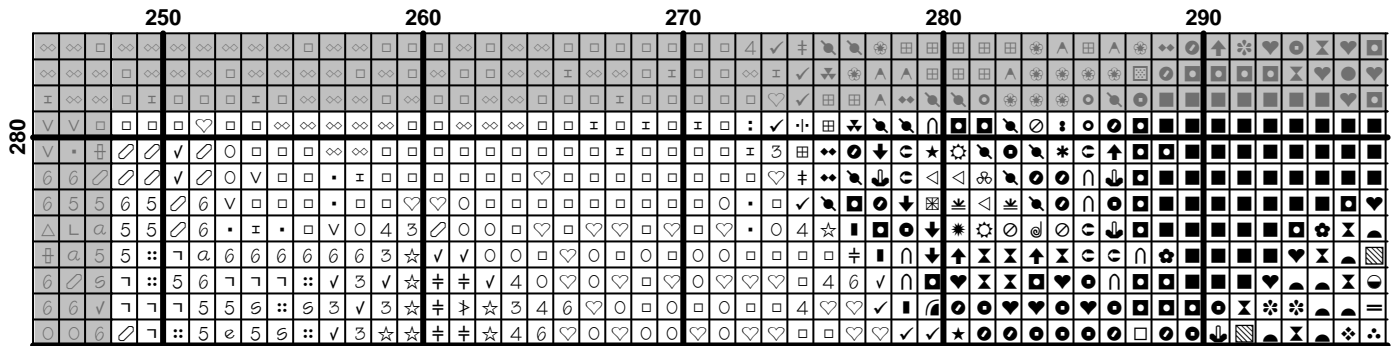
[illegible]

[illegible]

[illegible]

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[illegible]

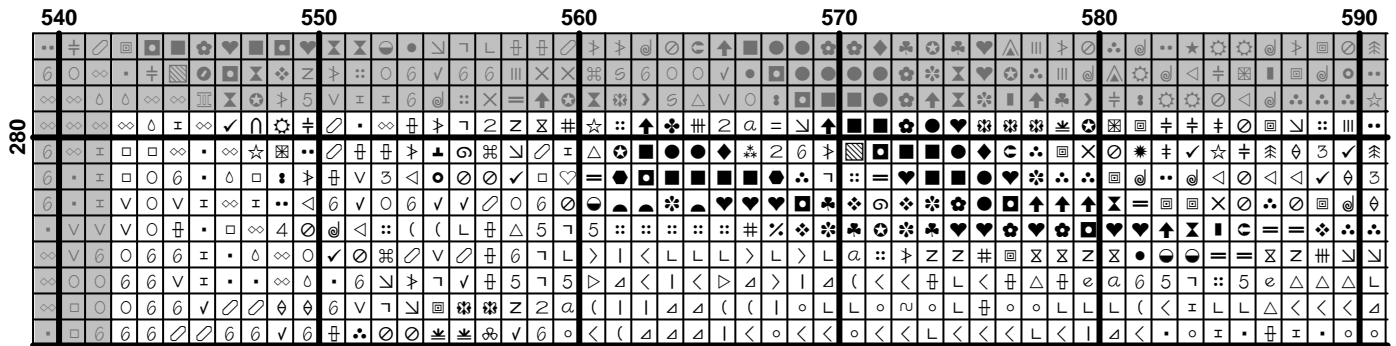


[illegible]

[illegible]

[illegible]

	450										460										470										480										490									
280	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50



[illegible]