

## 2566 This is the Way We Wash our Clothes



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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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## This is the Way We Wash our Clothes

Stitch Count	
Horizontal:	400
Vertical:	539

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	98	38.41	64	24.89	86	33.6	57	22.125	76	29.875
Including Margins:	89	35	114	45	80	31	102	40	73	29	92	36
	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	137	53.77	85	33.18	114	44.81	42	16.59	57	22.4
Including Margins:	118	46	153	60	101	40	130	51	58	23	73	29
	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	54	21.5	39	15.31	52	20.68	37	14.74	50	19.91
Including Margins:	56	22	70	28	55	22	68	27	53	21	66	26
	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	49	19.2	34	13.27	45	17.92	31	12.44	42	16.8
Including Margins:	52	21	65	26	50	20	61	24	47	19	58	23

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

Symbol	DMC	Name
Φ	300	Mahogany-VY DK
Σ	301	Mahogany-MD
■	310	Black
○	353	Peach
◇	371	Mustard
✱	400	Mahogany-DK
◀	433	Brown-MD
↖	434	Brown-LT
⊗	500	Blue Green-VY DK
▼	501	Blue Green-DK
⊥	502	Blue Green
✱	522	Fern Green
◁	524	Fern Green-VY LT
❖	535	Ash Gray-VY LT
∅	543	Beige Brown-UL VY LT
z	610	Drab Brown-DK
∞	611	Drab Brown
α	613	Drab Brown-VY LT
//	632	Desert Sand-UL VY DK
⓪	640	Beige Gray-VY DK
2	642	Beige Gray-DK
5	644	Beige Gray-MD
◀	645	Beaver Gray-VY DK
Ⓢ	646	Beaver Gray-DK
⓪	647	Beaver Gray-MD
∅	648	Beaver Gray-LT
∞	712	Cream
⬆	730	Olive Green-VY DK
:	739	Tan-UL VY LT
1	746	Off White
6	754	Peach-LT
□	758	Terra Cotta-VY LT
♠	801	Coffee Brown-DK
←	814	Garnet-DK
∇	822	Beige Gray-LT
≡	829	Golden Olive-VY DK
L	830	Golden Olive-DK
▲	838	Beige Brown-VY DK
●	839	Beige Brown-DK
*	844	Beaver Brown-UL DK
☉	869	Hazelnut Brown-VY DK
☼	898	Coffee Brown-VY DK
†	902	Garnet-VY DK
◦	918	Red Copper-DK
◆	934	Black Avocado Green
➔	938	Coffee Brown-UL DK
δ	945	Tawny
↓	948	Peach-VY LT
⌘	975	Golden Brown-DK
⊕	3011	Khaki Green-DK
⊗	3021	Brown Gray-VY DK
	3022	Brown Gray-MD
· ·	3023	Brown Gray-LT

4	3024	Brown Gray-VY LT
♣	3031	Mocha Brown-VY DK
↑	3032	Mocha Brown-MD
⬆	3033	Mocha Brown-VY LT
▼	3051	Green Gray-DK
▤	3052	Green Gray-MD
△	3064	Desert Sand
⇒	3072	Beaver Gray-VY LT
•	3078	Golden Yellow-VY LT
✦	3362	Pine Green-DK
■	3371	Black Brown
^	3756	Baby Blue-UL VY LT
◦	3770	Tawny-VY LT
✖	3781	Mocha Brown-DK
≡	3782	Mocha Brown-LT
⌘	3787	Brown Gray-DK
⦿	3790	Beige Gray-UL DK
➤	3815	Celadon Green-DK
⌘	3816	Celadon Green-MD
↑	3823	Yellow-UL Pale
∩	3826	Golden Brown
c	3856	Mahogany-UL VY LT
●	3857	Rosewood-DK
✦	3862	Mocha Beige-DK
▲	3863	Mocha Beige-MD
?	3864	Mocha Beige-LT
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
☺	221	Shell Pink-VY DK	300	Mahogany-VY DK
⌘	224	Shell Pink-VY LT	738	Tan-VY LT
♠	300	Mahogany-VY DK	400	Mahogany-DK
✿	300	Mahogany-VY DK	898	Coffee Brown-VY DK
☛	300	Mahogany-VY DK	938	Coffee Brown-UL DK
♣	301	Mahogany-MD	355	Terra Cotta-DK
◎	301	Mahogany-MD	400	Mahogany-DK
♠	301	Mahogany-MD	3772	Desert Sand-VY DK
●	310	Black	500	Blue Green-VY DK
☛	310	Black	935	Avocado Green-DK
✿	310	Black	938	Coffee Brown-UL DK
✂	310	Black	3021	Brown Gray-VY DK
▣	317	Pewter Gray	502	Blue Green
/	352	Coral-LT	754	Peach-LT
<	353	Peach	3823	Yellow-UL Pale
⌘	356	Terra Cotta-MD	370	Mustard-MD
✓	356	Terra Cotta-MD	612	Drab Brown-LT
↘	356	Terra Cotta-MD	3828	Hazelnut Brown
•	372	Mustard-LT	642	Beige Gray-DK
::	372	Mustard-LT	3064	Desert Sand
7	372	Mustard-LT	3864	Mocha Beige-LT

m	402	Mahogany-VY LT	407	Desert Sand-DK
□	407	Desert Sand-DK	612	Drab Brown-LT
	407	Desert Sand-DK	3782	Mocha Brown-LT
√	407	Desert Sand-DK	3856	Mahogany-UL VY LT
⋈	407	Desert Sand-DK	3863	Mocha Beige-MD
+	407	Desert Sand-DK	3864	Mocha Beige-LT
▲	433	Brown-MD	610	Drab Brown-DK
♦♦	433	Brown-MD	869	Hazelnut Brown-VY DK
⋈	435	Brown-VY LT	632	Desert Sand-UL VY DK
✕	435	Brown-VY LT	3772	Desert Sand-VY DK
✕	435	Brown-VY LT	3862	Mocha Beige-DK
↘	435	Brown-VY LT	3863	Mocha Beige-MD
☉	500	Blue Green-VY DK	3799	Pewter Gray-VY DK
▲	501	Blue Green-DK	844	Beaver Brown-UL DK
■	501	Blue Green-DK	924	Gray Green--VY DK
▶	501	Blue Green-DK	935	Avocado Green-DK
✕	501	Blue Green-DK	991	Aquamarine-DK
✕	501	Blue Green-DK	3815	Celadon Green-DK
*	502	Blue Green	3768	Gray Green-DK
#	503	Blue Green-MD	926	Gray Green-MD
■	520	Fern Green-DK	3021	Brown Gray-VY DK
◇	522	Fern Green	645	Beaver Gray-VY DK
⋈	523	Fern Green-LT	642	Beige Gray-DK
✕	535	Ash Gray-VY LT	3815	Celadon Green-DK
☾	610	Drab Brown-DK	839	Beige Brown-DK
↖	611	Drab Brown	3790	Beige Gray-UL DK
☾	613	Drab Brown-VY LT	3864	Mocha Beige-LT
⋈	632	Desert Sand-UL VY DK	3862	Mocha Beige-DK
⋈	640	Beige Gray-VY DK	840	Beige Brown-MD
↖	640	Beige Gray-VY DK	3022	Brown Gray-MD
✕	640	Beige Gray-VY DK	3032	Mocha Brown-MD
⋈	640	Beige Gray-VY DK	3052	Green Gray-MD
⋈	640	Beige Gray-VY DK	3363	Pine Green-MD
↖	642	Beige Gray-DK	3022	Brown Gray-MD
☐	646	Beaver Gray-DK	3787	Brown Gray-DK
—	647	Beaver Gray-MD	3864	Mocha Beige-LT
«	712	Cream	746	Off White
9	738	Tan-VY LT	945	Tawny
◇	738	Tan-VY LT	950	Desert Sand-LT
±	739	Tan-UL VY LT	945	Tawny
↔	739	Tan-UL VY LT	950	Desert Sand-LT
□	745	Yellow-LT Pale	3823	Yellow-UL Pale
♡	745	Yellow-LT Pale	3824	Apricot-LT
~	746	Off White	3078	Golden Yellow-VY LT
h	746	Off White	3770	Tawny-VY LT
o	746	Off White	3823	Yellow-UL Pale
e	754	Peach-LT	758	Terra Cotta-VY LT
▷	754	Peach-LT	948	Peach-VY LT
L	754	Peach-LT	951	Tawny-LT
☆	758	Terra Cotta-VY LT	3064	Desert Sand
☉	758	Terra Cotta-VY LT	3778	Terra Cotta-LT
☐	801	Coffee Brown-DK	838	Beige Brown-VY DK
>	822	Beige Gray-LT	3823	Yellow-UL Pale
☐	829	Golden Olive-VY DK	898	Coffee Brown-VY DK
☉	838	Beige Brown-VY DK	902	Garnet-VY DK
↓	838	Beige Brown-VY DK	938	Coffee Brown-UL DK
↓	838	Beige Brown-VY DK	3371	Black Brown
○	839	Beige Brown-DK	840	Beige Brown-MD
⊙	839	Beige Brown-DK	869	Hazelnut Brown-VY DK

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⌂	839	Beige Brown-DK	3011	Khaki Green-DK
◇	839	Beige Brown-DK	3790	Beige Gray-UL DK
☒	842	Beige Brown-VY LT	3864	Mocha Beige-LT
⌘	869	Hazelnut Brown-VY DK	3781	Mocha Brown-DK
+	898	Coffee Brown-VY DK	936	Avocado Green-VY DK
♣	898	Coffee Brown-VY DK	938	Coffee Brown-UL DK
♠	902	Garnet-VY DK	938	Coffee Brown-UL DK
☾	924	Gray Green--VY DK	991	Aquamarine-DK
↑	934	Black Avocado Green	938	Coffee Brown-UL DK
●	934	Black Avocado Green	3371	Black Brown
☐	934	Black Avocado Green	3799	Pewter Gray-VY DK
▼	935	Avocado Green-DK	3799	Pewter Gray-VY DK
▨	936	Avocado Green-VY DK	938	Coffee Brown-UL DK
♥	938	Coffee Brown-UL DK	3371	Black Brown
⊕	938	Coffee Brown-UL DK	3781	Mocha Brown-DK
△	945	Tawny	3855	Autumn Gold-LT
★	975	Golden Brown-DK	3721	Shell Pink-DK
⊗	991	Aquamarine-DK	3815	Celadon Green-DK
▲	3011	Khaki Green-DK	3781	Mocha Brown-DK
⦿	3021	Brown Gray-VY DK	3031	Mocha Brown-VY DK
⦿	3021	Brown Gray-VY DK	3371	Black Brown
..	3022	Brown Gray-MD	3032	Mocha Brown-MD
⦿	3031	Mocha Brown-VY DK	3371	Black Brown
◎	3032	Mocha Brown-MD	3790	Beige Gray-UL DK
=	3051	Green Gray-DK	3781	Mocha Brown-DK
٪	3052	Green Gray-MD	3787	Brown Gray-DK
\$	3052	Green Gray-MD	3790	Beige Gray-UL DK
⦿	3064	Desert Sand	3864	Mocha Beige-LT
	3078	Golden Yellow-VY LT	3823	Yellow-UL Pale
✧	3078	Golden Yellow-VY LT	3856	Mahogany-UL VY LT
⊕	3363	Pine Green-MD	3787	Brown Gray-DK
●	3363	Pine Green-MD	3790	Beige Gray-UL DK
✕	3371	Black Brown	3799	Pewter Gray-VY DK
⋯	3768	Gray Green-DK	3815	Celadon Green-DK
×	3772	Desert Sand-VY DK	3862	Mocha Beige-DK
⊞	3828	Hazelnut Brown	3830	Terra Cotta-MD
○	3828	Hazelnut Brown	3859	Rosewood-LT
=	3859	Rosewood-LT	3863	Mocha Beige-MD

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

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		14		16		18	
221	Shell Pink-VY DK	244	96	232	91	209	82
224	Shell Pink-VY LT	37	14	35	13	32	12
300	Mahogany-VY DK	704	277	670	263	603	237
301	Mahogany-MD	166	65	158	62	142	55
310	Black	4970	1956	4734	1863	4260	1677
317	Pewter Gray	6	2	6	2	5	1
352	Coral-LT	15	5	14	5	13	5
353	Peach	74	29	71	27	64	25
355	Terra Cotta-DK	24	9	23	9	20	7
356	Terra Cotta-MD	31	12	29	11	26	10
370	Mustard-MD	10	3	10	3	9	3
371	Mustard	62	24	59	23	53	20
372	Mustard-LT	1405	553	1338	526	1204	474
400	Mahogany-DK	200	78	191	75	172	67
402	Mahogany-VY LT	12	4	12	4	11	4
407	Desert Sand-DK	189	74	180	70	162	63
433	Brown-MD	550	216	524	206	471	185
434	Brown-LT	24	9	23	9	21	8
435	Brown-VY LT	54	21	52	20	46	18
500	Blue Green-VY DK	208	81	198	77	178	70
501	Blue Green-DK	1040	409	991	390	892	351
502	Blue Green	55	21	53	20	47	18
503	Blue Green-MD	7	2	7	2	6	2
520	Fern Green-DK	27	10	26	10	24	9
522	Fern Green	155	61	148	58	133	52
523	Fern Green-LT	671	264	639	251	575	226
524	Fern Green-VY LT	312	122	297	116	267	105
535	Ash Gray-VY LT	50	19	48	18	43	16
543	Beige Brown-UL VY LT	133	52	127	50	114	44
610	Drab Brown-DK	936	368	891	350	802	315
611	Drab Brown	604	237	575	226	518	203
612	Drab Brown-LT	52	20	50	19	45	17
613	Drab Brown-VY LT	240	94	228	89	206	81
632	Desert Sand-UL VY DK	87	34	83	32	75	29
640	Beige Gray-VY DK	2685	1057	2557	1006	2301	905
642	Beige Gray-DK	4662	1835	4440	1748	3996	1573
644	Beige Gray-MD	304	119	289	113	261	102
645	Beaver Gray-VY DK	47	18	45	17	41	16
646	Beaver Gray-DK	48	18	46	18	41	16
647	Beaver Gray-MD	915	360	872	343	785	309
648	Beaver Gray-LT	142	55	136	53	122	48
712	Cream	80	31	76	29	69	27
730	Olive Green-VY DK	51	20	49	19	44	17
738	Tan-VY LT	70	27	66	25	60	23
739	Tan-UL VY LT	61	24	58	22	52	20
745	Yellow-LT Pale	27	10	26	10	24	9
746	Off White	147	57	140	55	126	49
754	Peach-LT	171	67	163	64	146	57
758	Terra Cotta-VY LT	119	46	113	44	102	40
801	Coffee Brown-DK	367	144	350	137	315	124
814	Garnet-DK	29	11	28	11	25	9
822	Beige Gray-LT	173	68	165	64	148	58
829	Golden Olive-VY DK	757	298	721	283	649	255

830	Golden Olive-DK	181	71	173	68	156	61
838	Beige Brown-VY DK	561	220	535	210	481	189
839	Beige Brown-DK	663	261	631	248	568	223
840	Beige Brown-MD	257	101	245	96	220	86
842	Beige Brown-VY LT	90	35	86	33	77	30
844	Beaver Brown-UL DK	126	49	120	47	108	42
869	Hazelnut Brown-VY DK	649	255	618	243	556	218
898	Coffee Brown-VY DK	1451	571	1382	544	1244	489
902	Garnet-VY DK	170	66	162	63	146	57
918	Red Copper-DK	301	118	286	112	258	101
924	Gray Green--VY DK	230	90	219	86	197	77
926	Gray Green-MD	7	2	7	2	6	2
934	Black Avocado Green	656	258	625	246	563	221
935	Avocado Green-DK	385	151	366	144	330	129
936	Avocado Green-VY DK	518	203	493	194	444	174
938	Coffee Brown-UL DK	2289	901	2180	858	1962	772
945	Tawny	80	31	76	29	69	27
948	Peach-VY LT	32	12	30	11	27	10
950	Desert Sand-LT	54	21	51	20	46	18
951	Tawny-LT	27	10	26	10	23	9
975	Golden Brown-DK	64	25	61	24	55	21
991	Aquamarine-DK	171	67	162	63	146	57
3011	Khaki Green-DK	2520	992	2400	944	2160	850
3021	Brown Gray-VY DK	847	333	807	317	726	285
3022	Brown Gray-MD	1954	769	1861	732	1675	659
3023	Brown Gray-LT	265	104	253	99	227	89
3024	Brown Gray-VY LT	183	72	174	68	157	61
3031	Mocha Brown-VY DK	916	360	872	343	785	309
3032	Mocha Brown-MD	4312	1697	4107	1616	3696	1455
3033	Mocha Brown-VY LT	74	29	71	27	64	25
3051	Green Gray-DK	670	263	638	251	575	226
3052	Green Gray-MD	1785	702	1700	669	1530	602
3064	Desert Sand	103	40	98	38	88	34
3072	Beaver Gray-VY LT	90	35	85	33	77	30
3078	Golden Yellow-VY LT	35	13	33	12	30	11
3362	Pine Green-DK	39	15	37	14	33	12
3363	Pine Green-MD	480	188	457	179	411	161
3371	Black Brown	2565	1009	2443	961	2199	865
3721	Shell Pink-DK	15	5	15	5	13	5
3756	Baby Blue-UL VY LT	21	8	20	7	18	7
3768	Gray Green-DK	172	67	164	64	148	58
3770	Tawny-VY LT	37	14	35	13	31	12
3772	Desert Sand-VY DK	58	22	55	21	50	19
3778	Terra Cotta-LT	8	3	7	2	7	2
3781	Mocha Brown-DK	2577	1014	2454	966	2209	869
3782	Mocha Brown-LT	1269	499	1209	475	1088	428
3787	Brown Gray-DK	677	266	645	253	580	228
3790	Beige Gray-UL DK	2610	1027	2486	978	2237	880
3799	Pewter Gray-VY DK	330	129	314	123	283	111
3815	Celadon Green-DK	292	114	279	109	251	98
3816	Celadon Green-MD	4	1	4	1	3	1
3823	Yellow-UL Pale	83	32	79	31	71	27
3824	Apricot-LT	18	7	18	7	16	6
3826	Golden Brown	13	5	13	5	11	4
3828	Hazelnut Brown	25	9	24	9	21	8
3830	Terra Cotta-MD	5	1	5	1	4	1
3855	Autumn Gold-LT	15	5	14	5	13	5
3856	Mahogany-UL VY LT	48	18	46	18	41	16
3857	Rosewood-DK	98	38	93	36	84	33

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3859	Rosewood-LT	24	9	23	9	21	8
3862	Mocha Beige-DK	285	112	272	107	245	96
3863	Mocha Beige-MD	168	66	160	62	144	56
3864	Mocha Beige-LT	1559	613	1485	584	1337	526
3865	Winter White	237	93	225	88	203	79
3866	Mocha Brown-UL VY LT	152	59	145	57	130	51
Ecru	Ecru	96	37	91	35	82	32

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	376	148	314	123	157	62
224	Shell Pink-VY LT	58	22	48	18	24	9
300	Mahogany-VY DK	1085	427	905	356	452	178
301	Mahogany-MD	256	99	213	83	107	41
310	Black	7668	3019	6390	2516	3195	1258
317	Pewter Gray	9	2	8	2	4	1
352	Coral-LT	23	9	20	8	10	4
353	Peach	115	45	96	38	48	19
355	Terra Cotta-DK	36	13	30	11	15	5
356	Terra Cotta-MD	47	18	39	15	20	8
370	Mustard-MD	16	5	14	5	7	2
371	Mustard	95	36	80	30	40	15
372	Mustard-LT	2167	853	1806	711	903	356
400	Mahogany-DK	310	121	258	101	129	50
402	Mahogany-VY LT	20	7	17	6	8	3
407	Desert Sand-DK	292	113	243	95	122	47
433	Brown-MD	848	333	707	278	353	139
434	Brown-LT	38	14	32	12	16	6
435	Brown-VY LT	83	32	69	27	35	14
500	Blue Green-VY DK	320	126	267	105	134	53
501	Blue Green-DK	1606	632	1338	527	669	263
502	Blue Green	85	32	71	27	35	14
503	Blue Green-MD	11	4	9	3	5	2
520	Fern Green-DK	43	16	36	14	18	7
522	Fern Green	239	94	200	78	100	39
523	Fern Green-LT	1035	407	863	339	431	170
524	Fern Green-VY LT	481	189	401	158	200	79
535	Ash Gray-VY LT	77	29	65	24	32	12
543	Beige Brown-UL VY LT	205	79	171	66	86	33
610	Drab Brown-DK	1444	567	1203	473	602	236
611	Drab Brown	932	365	777	305	389	152
612	Drab Brown-LT	81	31	68	26	34	13
613	Drab Brown-VY LT	371	146	309	122	155	61
632	Desert Sand-UL VY DK	135	52	113	44	56	22
640	Beige Gray-VY DK	4142	1629	3452	1358	1726	679
642	Beige Gray-DK	7193	2831	5994	2360	2997	1180
644	Beige Gray-MD	470	184	392	153	196	77
645	Beaver Gray-VY DK	74	29	62	24	31	12
646	Beaver Gray-DK	74	29	62	24	31	12
647	Beaver Gray-MD	1413	556	1178	464	589	232
648	Beaver Gray-LT	220	86	183	72	92	36
712	Cream	124	49	104	41	52	20
730	Olive Green-VY DK	79	31	66	26	33	13
738	Tan-VY LT	108	41	90	35	45	17
739	Tan-UL VY LT	94	36	78	30	39	15

745	Yellow-LT Pale	43	16	36	14	18	7
746	Off White	227	88	189	74	95	37
754	Peach-LT	263	103	219	86	110	43
758	Terra Cotta-VY LT	184	72	153	60	77	30
801	Coffee Brown-DK	567	223	473	186	236	93
814	Garnet-DK	45	16	38	14	19	7
822	Beige Gray-LT	266	104	222	87	111	44
829	Golden Olive-VY DK	1168	459	974	383	487	191
830	Golden Olive-DK	281	110	234	92	117	46
838	Beige Brown-VY DK	866	340	722	284	361	142
839	Beige Brown-DK	1022	401	852	335	426	167
840	Beige Brown-MD	396	155	330	129	165	65
842	Beige Brown-VY LT	139	54	116	45	58	23
844	Beaver Brown-UL DK	194	76	162	63	81	32
869	Hazelnut Brown-VY DK	1001	392	834	327	417	164
898	Coffee Brown-VY DK	2239	880	1866	734	933	367
902	Garnet-VY DK	263	103	219	86	110	43
918	Red Copper-DK	464	182	387	152	194	76
924	Gray Green--VY DK	355	139	296	116	148	58
926	Gray Green-MD	11	4	9	3	5	2
934	Black Avocado Green	1013	398	845	332	422	166
935	Avocado Green-DK	594	232	495	194	248	97
936	Avocado Green-VY DK	799	313	666	261	333	131
938	Coffee Brown-UL DK	3532	1390	2943	1158	1472	579
945	Tawny	124	49	104	41	52	20
948	Peach-VY LT	49	18	41	15	20	8
950	Desert Sand-LT	83	32	69	27	35	14
951	Tawny-LT	41	16	35	14	17	7
975	Golden Brown-DK	99	38	83	32	41	16
991	Aquamarine-DK	263	103	219	86	110	43
3011	Khaki Green-DK	3888	1530	3240	1275	1620	638
3021	Brown Gray-VY DK	1307	513	1089	428	545	214
3022	Brown Gray-MD	3015	1186	2513	989	1256	494
3023	Brown Gray-LT	409	160	341	134	170	67
3024	Brown Gray-VY LT	283	110	236	92	118	46
3031	Mocha Brown-VY DK	1413	556	1178	464	589	232
3032	Mocha Brown-MD	6653	2619	5544	2183	2772	1091
3033	Mocha Brown-VY LT	115	45	96	38	48	19
3051	Green Gray-DK	1035	407	863	339	431	170
3052	Green Gray-MD	2754	1084	2295	903	1148	452
3064	Desert Sand	158	61	132	51	66	26
3072	Beaver Gray-VY LT	139	54	116	45	58	23
3078	Golden Yellow-VY LT	54	20	45	17	23	8
3362	Pine Green-DK	59	22	50	18	25	9
3363	Pine Green-MD	740	290	617	242	308	121
3371	Black Brown	3958	1557	3299	1298	1649	649
3721	Shell Pink-DK	23	9	20	8	10	4
3756	Baby Blue-UL VY LT	32	13	27	11	14	5
3768	Gray Green-DK	266	104	222	87	111	44
3770	Tawny-VY LT	56	22	47	18	23	9
3772	Desert Sand-VY DK	90	34	75	29	38	14
3778	Terra Cotta-LT	13	4	11	3	5	2
3781	Mocha Brown-DK	3976	1564	3314	1304	1657	652
3782	Mocha Brown-LT	1958	770	1632	642	816	321
3787	Brown Gray-DK	1044	410	870	342	435	171
3790	Beige Gray-UL DK	4027	1584	3356	1320	1678	660
3799	Pewter Gray-VY DK	509	200	425	167	212	83
3815	Celadon Green-DK	452	176	377	147	188	74
3816	Celadon Green-MD	5	2	5	2	2	1

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3823	Yellow-UL Pale	128	49	107	41	53	20
3824	Apricot-LT	29	11	24	9	12	5
3826	Golden Brown	20	7	17	6	8	3
3828	Hazelnut Brown	38	14	32	12	16	6
3830	Terra Cotta-MD	7	2	6	2	3	1
3855	Autumn Gold-LT	23	9	20	8	10	4
3856	Mahogany-UL VY LT	74	29	62	24	31	12
3857	Rosewood-DK	151	59	126	50	63	25
3859	Rosewood-LT	38	14	32	12	16	6
3862	Mocha Beige-DK	441	173	368	144	184	72
3863	Mocha Beige-MD	259	101	216	84	108	42
3864	Mocha Beige-LT	2407	947	2006	789	1003	395
3865	Winter White	365	142	305	119	152	59
3866	Mocha Brown-UL VY LT	234	92	195	77	98	38
Ecru	Ecru	148	58	123	48	62	24

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	150	59	145	57	139	55
224	Shell Pink-VY LT	23	9	22	8	21	8
300	Mahogany-VY DK	434	171	417	164	402	158
301	Mahogany-MD	102	40	98	38	95	37
310	Black	3067	1207	2949	1161	2840	1118
317	Pewter Gray	4	1	3	1	3	1
352	Coral-LT	9	4	9	3	9	3
353	Peach	46	18	44	17	43	17
355	Terra Cotta-DK	14	5	14	5	13	5
356	Terra Cotta-MD	19	7	18	7	17	7
370	Mustard-MD	6	2	6	2	6	2
371	Mustard	38	14	37	14	35	13
372	Mustard-LT	867	341	834	328	803	316
400	Mahogany-DK	124	48	119	46	115	45
402	Mahogany-VY LT	8	3	8	3	7	3
407	Desert Sand-DK	117	45	112	44	108	42
433	Brown-MD	339	133	326	128	314	123
434	Brown-LT	15	6	15	6	14	5
435	Brown-VY LT	33	13	32	12	31	12
500	Blue Green-VY DK	128	50	123	48	119	47
501	Blue Green-DK	642	253	618	243	595	234
502	Blue Green	34	13	33	12	31	12
503	Blue Green-MD	4	1	4	1	4	1
520	Fern Green-DK	17	6	17	6	16	6
522	Fern Green	96	37	92	36	89	35
523	Fern Green-LT	414	163	398	156	383	151
524	Fern Green-VY LT	192	76	185	73	178	70
535	Ash Gray-VY LT	31	12	30	11	29	11
543	Beige Brown-UL VY LT	82	32	79	30	76	29
610	Drab Brown-DK	577	227	555	218	535	210
611	Drab Brown	373	146	359	141	345	135
612	Drab Brown-LT	32	12	31	12	30	11
613	Drab Brown-VY LT	148	58	143	56	137	54
632	Desert Sand-UL VY DK	54	21	52	20	50	19
640	Beige Gray-VY DK	1657	652	1593	627	1534	603
642	Beige Gray-DK	2877	1133	2766	1089	2664	1049
644	Beige Gray-MD	188	73	181	71	174	68

645	Beaver Gray-VY DK	30	12	28	11	27	11
646	Beaver Gray-DK	30	12	28	11	27	11
647	Beaver Gray-MD	565	222	543	214	523	206
648	Beaver Gray-LT	88	35	84	33	81	32
712	Cream	50	19	48	19	46	18
730	Olive Green-VY DK	32	12	30	12	29	11
738	Tan-VY LT	43	17	42	16	40	15
739	Tan-UL VY LT	37	14	36	14	35	13
745	Yellow-LT Pale	17	6	17	6	16	6
746	Off White	91	35	87	34	84	33
754	Peach-LT	105	41	101	39	97	38
758	Terra Cotta-VY LT	73	29	71	28	68	27
801	Coffee Brown-DK	227	89	218	86	210	83
814	Garnet-DK	18	6	17	6	17	6
822	Beige Gray-LT	107	42	102	40	99	39
829	Golden Olive-VY DK	467	184	449	177	433	170
830	Golden Olive-DK	112	44	108	42	104	41
838	Beige Brown-VY DK	346	136	333	131	321	126
839	Beige Brown-DK	409	161	393	154	379	149
840	Beige Brown-MD	158	62	152	60	147	57
842	Beige Brown-VY LT	55	22	53	21	51	20
844	Beaver Brown-UL DK	78	30	75	29	72	28
869	Hazelnut Brown-VY DK	400	157	385	151	371	145
898	Coffee Brown-VY DK	896	352	861	339	829	326
902	Garnet-VY DK	105	41	101	39	97	38
918	Red Copper-DK	186	73	179	70	172	67
924	Gray Green--VY DK	142	55	136	53	131	51
926	Gray Green-MD	4	1	4	1	4	1
934	Black Avocado Green	405	159	390	153	375	147
935	Avocado Green-DK	238	93	228	89	220	86
936	Avocado Green-VY DK	320	125	307	120	296	116
938	Coffee Brown-UL DK	1413	556	1358	534	1308	515
945	Tawny	50	19	48	19	46	18
948	Peach-VY LT	19	7	19	7	18	7
950	Desert Sand-LT	33	13	32	12	31	12
951	Tawny-LT	17	6	16	6	15	6
975	Golden Brown-DK	40	15	38	15	37	14
991	Aquamarine-DK	105	41	101	39	97	38
3011	Khaki Green-DK	1555	612	1495	588	1440	567
3021	Brown Gray-VY DK	523	205	503	197	484	190
3022	Brown Gray-MD	1206	474	1160	456	1117	439
3023	Brown Gray-LT	163	64	157	62	151	59
3024	Brown Gray-VY LT	113	44	109	42	105	41
3031	Mocha Brown-VY DK	565	222	543	214	523	206
3032	Mocha Brown-MD	2661	1048	2559	1007	2464	970
3033	Mocha Brown-VY LT	46	18	44	17	43	17
3051	Green Gray-DK	414	163	398	156	383	151
3052	Green Gray-MD	1102	433	1059	417	1020	401
3064	Desert Sand	63	24	61	24	59	23
3072	Beaver Gray-VY LT	55	22	53	21	51	20
3078	Golden Yellow-VY LT	22	8	21	8	20	7
3362	Pine Green-DK	24	9	23	8	22	8
3363	Pine Green-MD	296	116	285	111	274	107
3371	Black Brown	1583	623	1522	599	1466	577
3721	Shell Pink-DK	9	4	9	3	9	3
3756	Baby Blue-UL VY LT	13	5	12	5	12	5
3768	Gray Green-DK	107	42	102	40	99	39
3770	Tawny-VY LT	22	9	21	8	21	8
3772	Desert Sand-VY DK	36	14	35	13	33	13

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3778	Terra Cotta-LT	5	1	5	1	5	1
3781	Mocha Brown-DK	1590	626	1529	602	1473	579
3782	Mocha Brown-LT	783	308	753	296	725	285
3787	Brown Gray-DK	418	164	402	158	387	152
3790	Beige Gray-UL DK	1611	634	1549	609	1491	587
3799	Pewter Gray-VY DK	204	80	196	77	189	74
3815	Celadon Green-DK	181	71	174	68	167	65
3816	Celadon Green-MD	2	1	2	1	2	1
3823	Yellow-UL Pale	51	19	49	19	47	18
3824	Apricot-LT	12	4	11	4	11	4
3826	Golden Brown	8	3	8	3	7	3
3828	Hazelnut Brown	15	6	15	6	14	5
3830	Terra Cotta-MD	3	1	3	1	3	1
3855	Autumn Gold-LT	9	4	9	3	9	3
3856	Mahogany-UL VY LT	30	12	28	11	27	11
3857	Rosewood-DK	60	24	58	23	56	22
3859	Rosewood-LT	15	6	15	6	14	5
3862	Mocha Beige-DK	176	69	170	66	163	64
3863	Mocha Beige-MD	104	40	100	39	96	37
3864	Mocha Beige-LT	963	379	926	364	891	351
3865	Winter White	146	57	141	55	135	53
3866	Mocha Brown-UL VY LT	94	37	90	35	87	34
Ecru	Ecru	59	23	57	22	55	21

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	134	53	125	49	118	46
224	Shell Pink-VY LT	21	8	19	7	18	7
300	Mahogany-VY DK	388	152	362	142	339	133
301	Mahogany-MD	91	35	85	33	80	31
310	Black	2739	1078	2556	1006	2396	943
317	Pewter Gray	3	1	3	1	3	1
352	Coral-LT	8	3	8	3	7	3
353	Peach	41	16	38	15	36	14
355	Terra Cotta-DK	13	5	12	4	11	4
356	Terra Cotta-MD	17	6	16	6	15	6
370	Mustard-MD	6	2	5	2	5	2
371	Mustard	34	13	32	12	30	11
372	Mustard-LT	774	305	722	284	677	267
400	Mahogany-DK	111	43	103	40	97	38
402	Mahogany-VY LT	7	3	7	2	6	2
407	Desert Sand-DK	104	41	97	38	91	35
433	Brown-MD	303	119	283	111	265	104
434	Brown-LT	14	5	13	5	12	5
435	Brown-VY LT	30	12	28	11	26	10
500	Blue Green-VY DK	114	45	107	42	100	39
501	Blue Green-DK	573	226	535	211	502	197
502	Blue Green	30	12	28	11	26	10
503	Blue Green-MD	4	1	4	1	3	1
520	Fern Green-DK	15	6	14	5	14	5
522	Fern Green	86	33	80	31	75	29
523	Fern Green-LT	370	145	345	136	323	127
524	Fern Green-VY LT	172	68	160	63	150	59
535	Ash Gray-VY LT	28	10	26	10	24	9
543	Beige Brown-UL VY LT	73	28	68	26	64	25

610	Drab Brown-DK	516	203	481	189	451	177
611	Drab Brown	333	131	311	122	291	114
612	Drab Brown-LT	29	11	27	10	25	10
613	Drab Brown-VY LT	132	52	124	49	116	46
632	Desert Sand-UL VY DK	48	19	45	17	42	16
640	Beige Gray-VY DK	1479	582	1381	543	1294	509
642	Beige Gray-DK	2569	1011	2398	944	2248	885
644	Beige Gray-MD	168	66	157	61	147	57
645	Beaver Gray-VY DK	26	10	25	10	23	9
646	Beaver Gray-DK	26	10	25	10	23	9
647	Beaver Gray-MD	505	199	471	185	442	174
648	Beaver Gray-LT	78	31	73	29	69	27
712	Cream	44	17	41	16	39	15
730	Olive Green-VY DK	28	11	26	10	25	10
738	Tan-VY LT	39	15	36	14	34	13
739	Tan-UL VY LT	33	13	31	12	29	11
745	Yellow-LT Pale	15	6	14	5	14	5
746	Off White	81	32	76	29	71	28
754	Peach-LT	94	37	88	34	82	32
758	Terra Cotta-VY LT	66	26	61	24	57	23
801	Coffee Brown-DK	203	80	189	74	177	70
814	Garnet-DK	16	6	15	5	14	5
822	Beige Gray-LT	95	37	89	35	83	33
829	Golden Olive-VY DK	417	164	389	153	365	143
830	Golden Olive-DK	100	39	94	37	88	34
838	Beige Brown-VY DK	309	122	289	113	271	106
839	Beige Brown-DK	365	143	341	134	320	125
840	Beige Brown-MD	141	55	132	52	124	48
842	Beige Brown-VY LT	50	19	46	18	43	17
844	Beaver Brown-UL DK	69	27	65	25	61	24
869	Hazelnut Brown-VY DK	357	140	334	131	313	123
898	Coffee Brown-VY DK	800	314	746	293	700	275
902	Garnet-VY DK	94	37	88	34	82	32
918	Red Copper-DK	166	65	155	61	145	57
924	Gray Green--VY DK	127	50	118	46	111	43
926	Gray Green-MD	4	1	4	1	3	1
934	Black Avocado Green	362	142	338	133	317	124
935	Avocado Green-DK	212	83	198	77	186	73
936	Avocado Green-VY DK	285	112	266	104	250	98
938	Coffee Brown-UL DK	1261	496	1177	463	1104	434
945	Tawny	44	17	41	16	39	15
948	Peach-VY LT	17	6	16	6	15	6
950	Desert Sand-LT	30	12	28	11	26	10
951	Tawny-LT	15	6	14	5	13	5
975	Golden Brown-DK	35	14	33	13	31	12
991	Aquamarine-DK	94	37	88	34	82	32
3011	Khaki Green-DK	1389	546	1296	510	1215	478
3021	Brown Gray-VY DK	467	183	436	171	408	160
3022	Brown Gray-MD	1077	424	1005	395	942	371
3023	Brown Gray-LT	146	57	136	53	128	50
3024	Brown Gray-VY LT	101	39	94	37	88	34
3031	Mocha Brown-VY DK	505	199	471	185	442	174
3032	Mocha Brown-MD	2376	935	2218	873	2079	818
3033	Mocha Brown-VY LT	41	16	38	15	36	14
3051	Green Gray-DK	370	145	345	136	323	127
3052	Green Gray-MD	984	387	918	361	861	339
3064	Desert Sand	57	22	53	20	50	19
3072	Beaver Gray-VY LT	50	19	46	18	43	17
3078	Golden Yellow-VY LT	19	7	18	7	17	6

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3362	Pine Green-DK	21	8	20	7	19	7
3363	Pine Green-MD	264	104	247	97	231	91
3371	Black Brown	1414	556	1319	519	1237	487
3721	Shell Pink-DK	8	3	8	3	7	3
3756	Baby Blue-UL VY LT	12	5	11	4	10	4
3768	Gray Green-DK	95	37	89	35	83	33
3770	Tawny-VY LT	20	8	19	7	17	7
3772	Desert Sand-VY DK	32	12	30	11	28	11
3778	Terra Cotta-LT	5	1	4	1	4	1
3781	Mocha Brown-DK	1420	559	1325	521	1243	489
3782	Mocha Brown-LT	699	275	653	257	612	241
3787	Brown Gray-DK	373	147	348	137	326	128
3790	Beige Gray-UL DK	1438	566	1342	528	1258	495
3799	Pewter Gray-VY DK	182	71	170	67	159	62
3815	Celadon Green-DK	161	63	151	59	141	55
3816	Celadon Green-MD	2	1	2	1	2	1
3823	Yellow-UL Pale	46	17	43	16	40	15
3824	Apricot-LT	10	4	10	4	9	3
3826	Golden Brown	7	3	7	2	6	2
3828	Hazelnut Brown	14	5	13	5	12	5
3830	Terra Cotta-MD	3	1	2	1	2	1
3855	Autumn Gold-LT	8	3	8	3	7	3
3856	Mahogany-UL VY LT	26	10	25	10	23	9
3857	Rosewood-DK	54	21	50	20	47	19
3859	Rosewood-LT	14	5	13	5	12	5
3862	Mocha Beige-DK	158	62	147	58	138	54
3863	Mocha Beige-MD	93	36	86	34	81	32
3864	Mocha Beige-LT	860	338	802	316	752	296
3865	Winter White	131	51	122	47	114	44
3866	Mocha Brown-UL VY LT	84	33	78	31	73	29
Ecru	Ecru	53	21	49	19	46	18



[illegible]

$$(12) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (13)$$





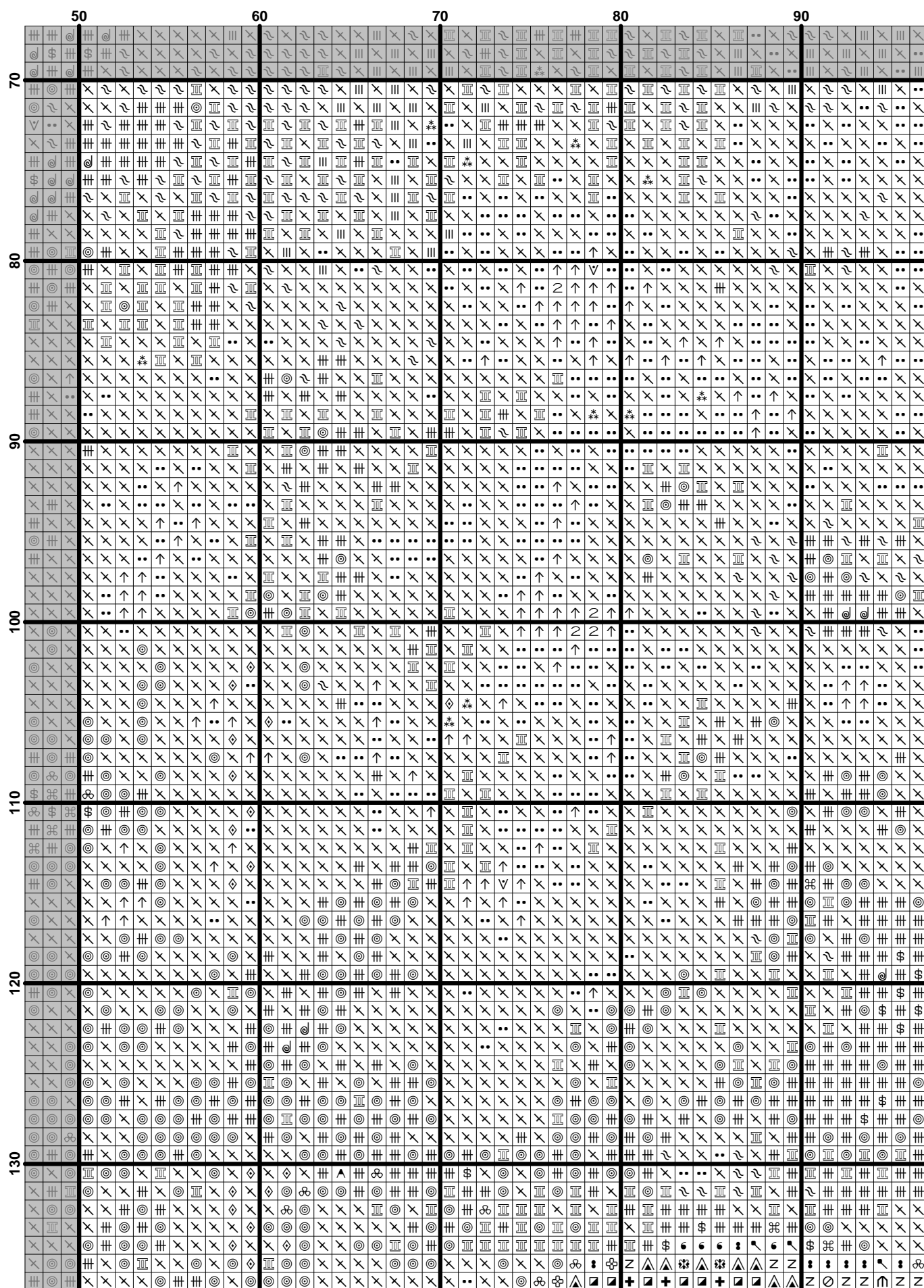
[illegible]

[illegible]

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










































$$(21) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (22)$$

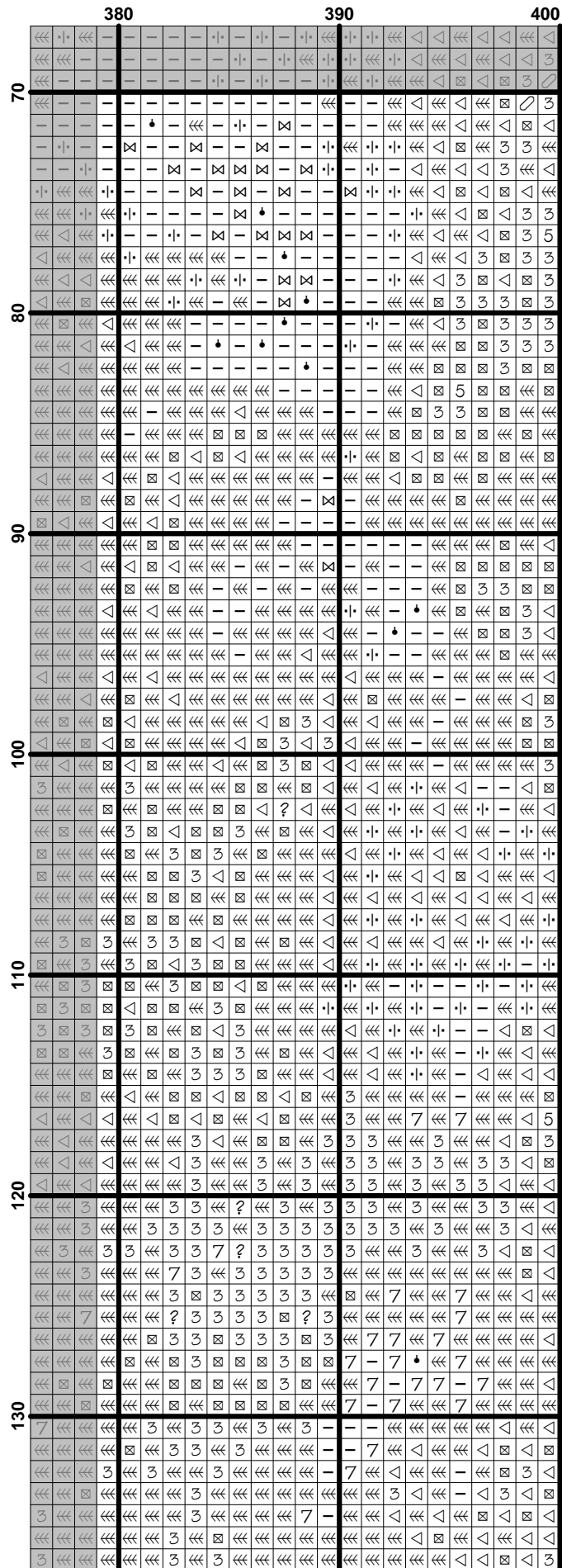
$$(22) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (23)$$

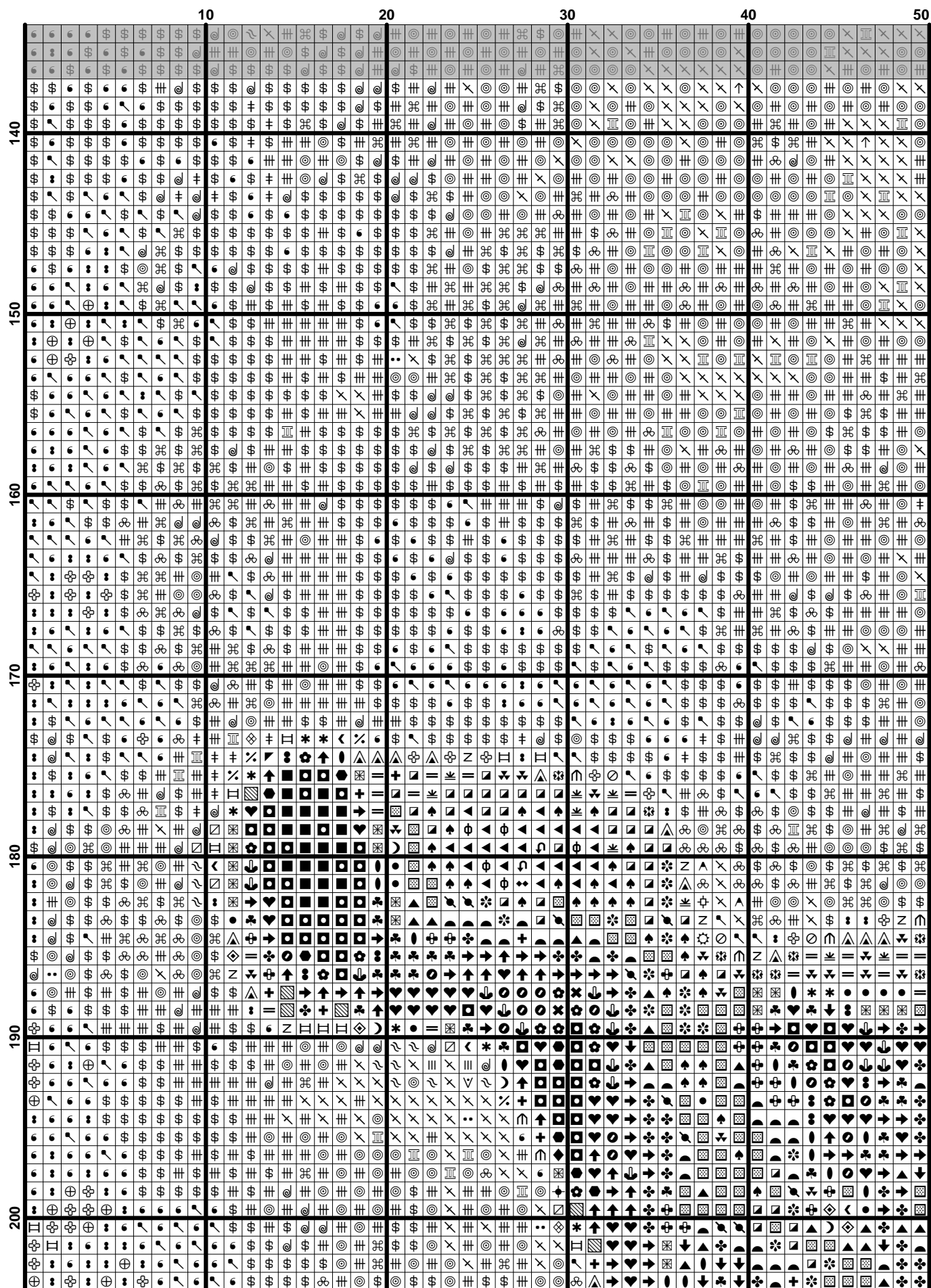
[illegible]

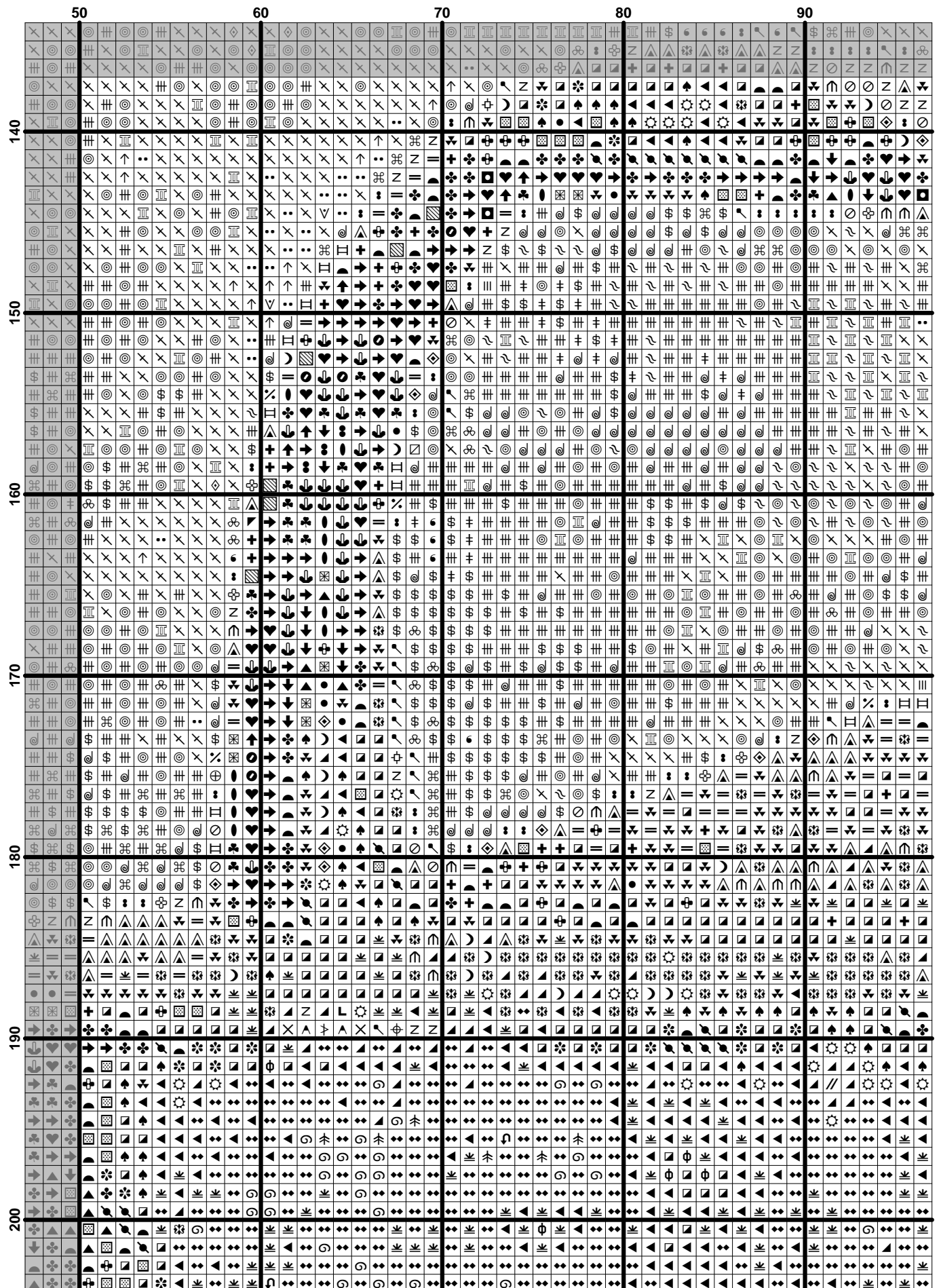
$$(24) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

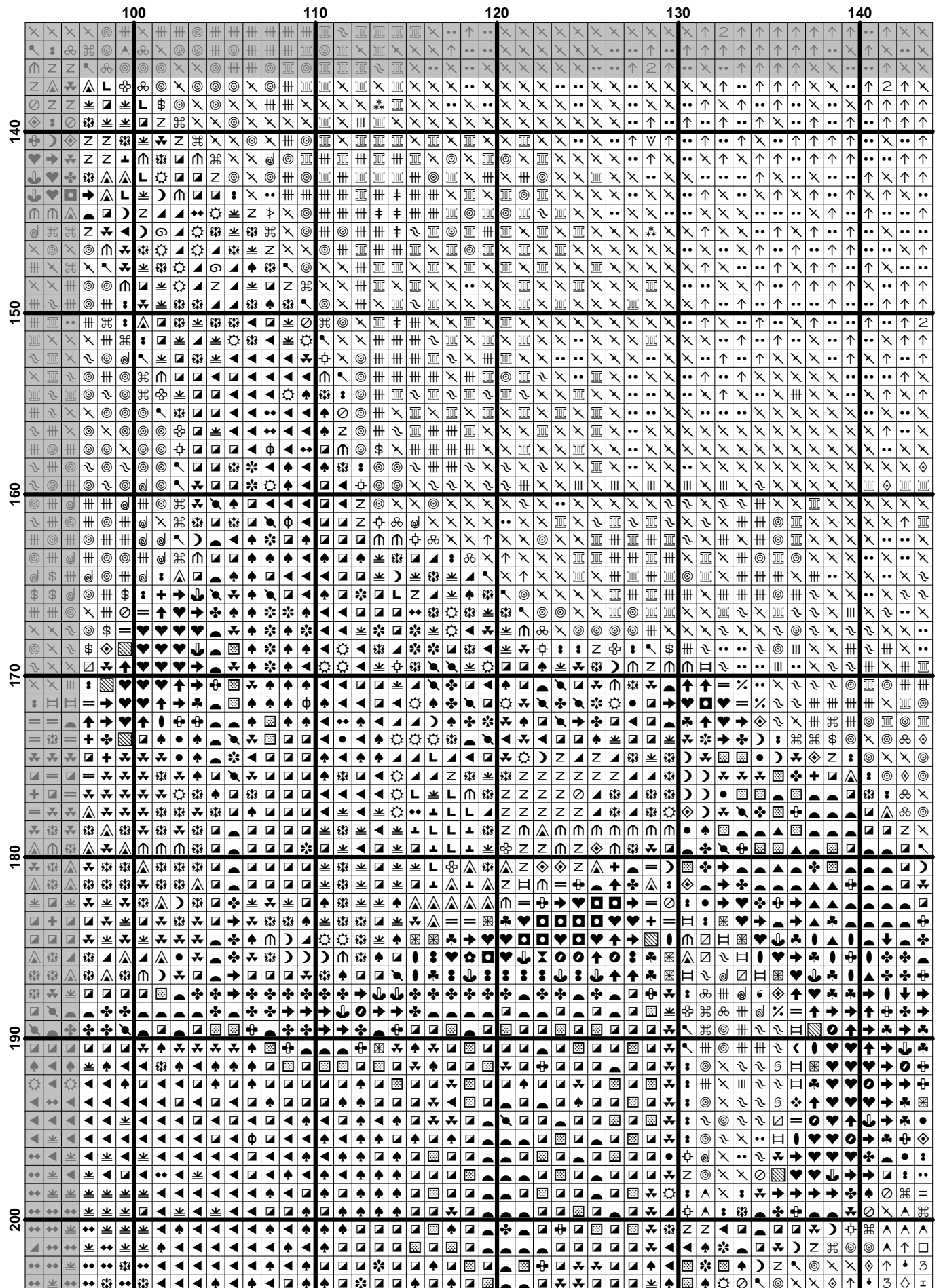
$$(25) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$

	330	340	350	360	370
70					
80					
90					
100					
110					
120					
130					









	150	160	170	180	190
140	↑	↑	↑	↑	↑
141	↑	↑	↑	↑	↑
142	↑	↑	↑	↑	↑
143	↑	↑	↑	↑	↑
144	↑	↑	↑	↑	↑
145	↑	↑	↑	↑	↑
146	↑	↑	↑	↑	↑
147	↑	↑	↑	↑	↑
148	↑	↑	↑	↑	↑
149	↑	↑	↑	↑	↑
150	↑	↑	↑	↑	↑
151	↑	↑	↑	↑	↑
152	↑	↑	↑	↑	↑
153	↑	↑	↑	↑	↑
154	↑	↑	↑	↑	↑
155	↑	↑	↑	↑	↑
156	↑	↑	↑	↑	↑
157	↑	↑	↑	↑	↑
158	↑	↑	↑	↑	↑
159	↑	↑	↑	↑	↑
160	↑	↑	↑	↑	↑
161	↑	↑	↑	↑	↑
162	↑	↑	↑	↑	↑
163	↑	↑	↑	↑	↑
164	↑	↑	↑	↑	↑
165	↑	↑	↑	↑	↑
166	↑	↑	↑	↑	↑
167	↑	↑	↑	↑	↑
168	↑	↑	↑	↑	↑
169	↑	↑	↑	↑	↑
170	↑	↑	↑	↑	↑
171	↑	↑	↑	↑	↑
172	↑	↑	↑	↑	↑
173	↑	↑	↑	↑	↑
174	↑	↑	↑	↑	↑
175	↑	↑	↑	↑	↑
176	↑	↑	↑	↑	↑
177	↑	↑	↑	↑	↑
178	↑	↑	↑	↑	↑
179	↑	↑	↑	↑	↑
180	↑	↑	↑	↑	↑
181	↑	↑	↑	↑	↑
182	↑	↑	↑	↑	↑
183	↑	↑	↑	↑	↑
184	↑	↑	↑	↑	↑
185	↑	↑	↑	↑	↑
186	↑	↑	↑	↑	↑
187	↑	↑	↑	↑	↑
188	↑	↑	↑	↑	↑
189	↑	↑	↑	↑	↑
190	↑	↑	↑	↑	↑
191	↑	↑	↑	↑	↑
192	↑	↑	↑	↑	↑
193	↑	↑	↑	↑	↑
194	↑	↑	↑	↑	↑
195	↑	↑	↑	↑	↑
196	↑	↑	↑	↑	↑
197	↑	↑	↑	↑	↑
198	↑	↑	↑	↑	↑
199	↑	↑	↑	↑	↑
200	↑	↑	↑	↑	↑

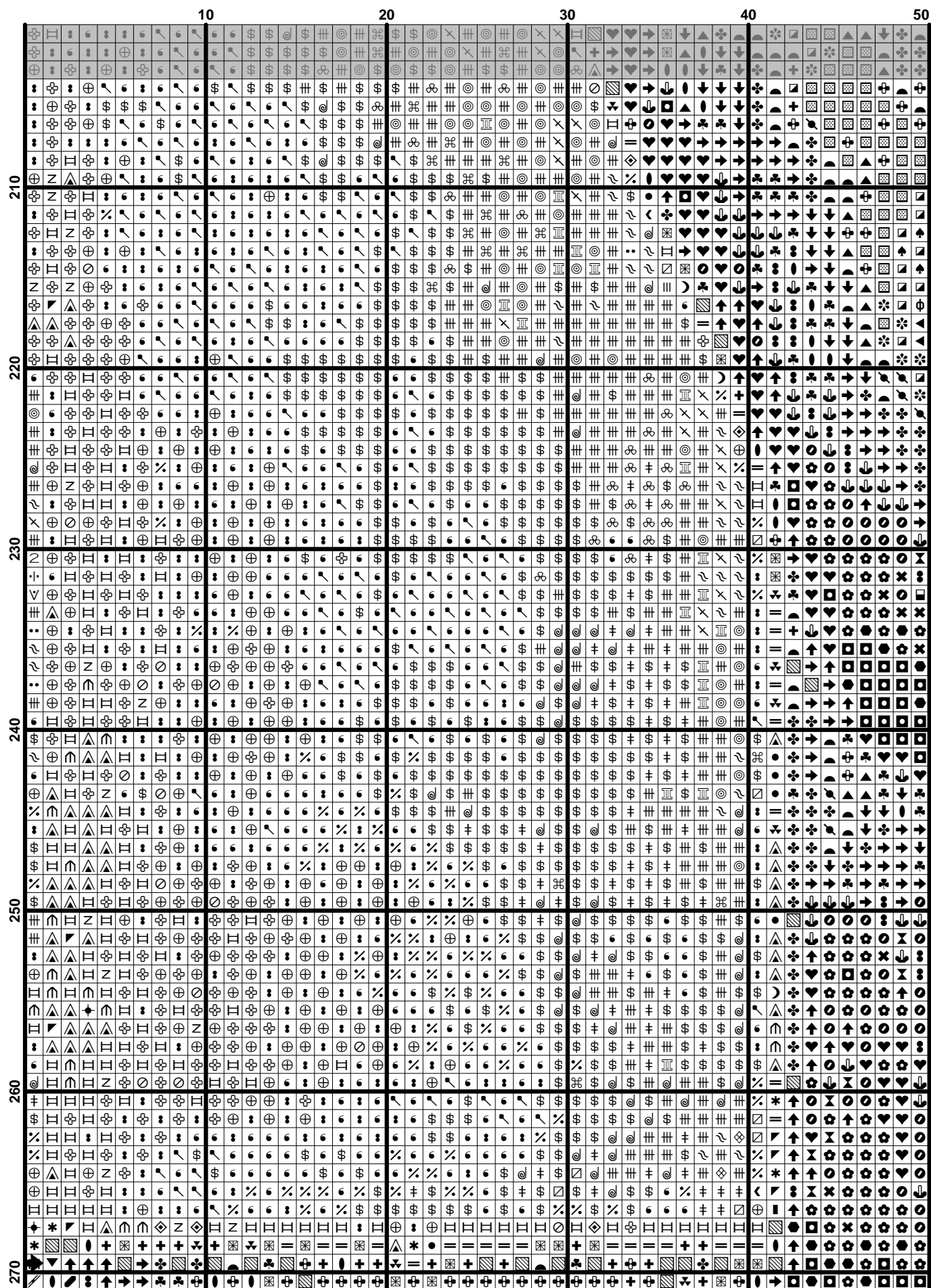


$$(33) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (34)$$

$$(34) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (35)$$

	330	340	350	360	370
140	7	7	7	7	7
150	7	7	7	7	7
160	7	7	7	7	7
170	7	7	7	7	7
180	7	7	7	7	7
190	7	7	7	7	7
200	7	7	7	7	7

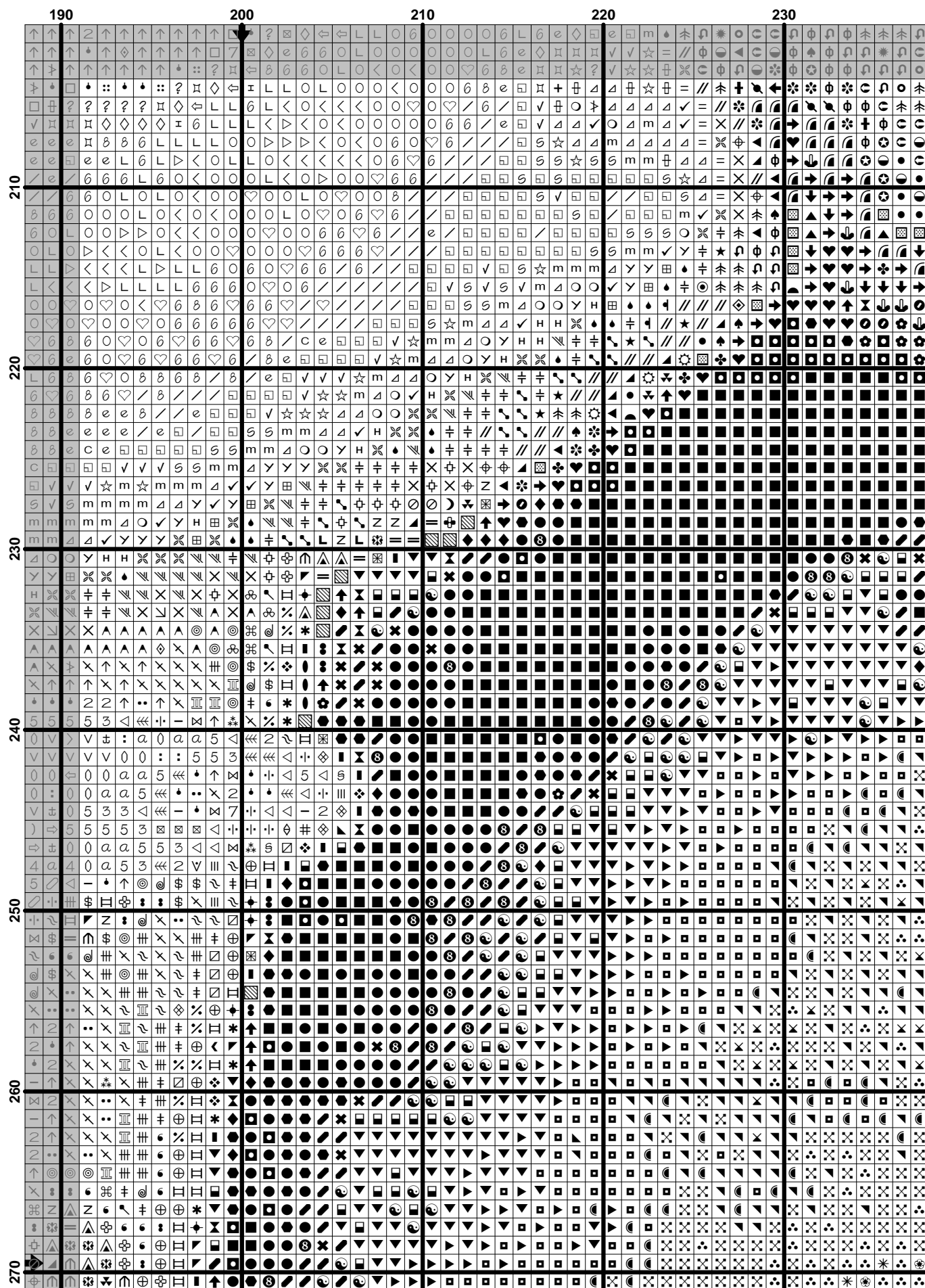


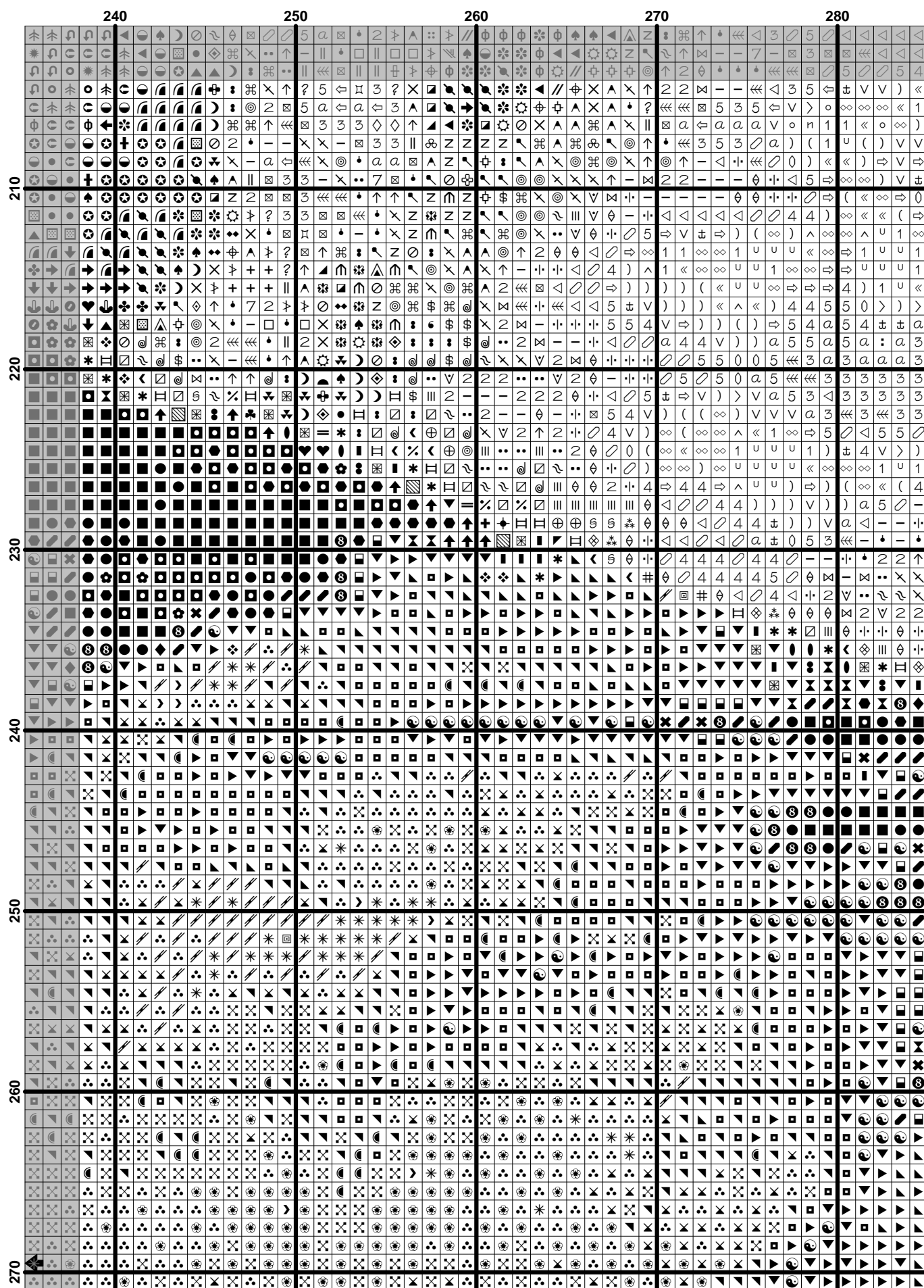


	50	60	70	80	90
210	...	...	...	...	...
220	...	...	...	...	...
230	...	...	...	...	...
240	...	...	...	...	...
250	...	...	...	...	...
260	...	...	...	...	...
270	...	...	...	...	...



$$(40) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (41)$$

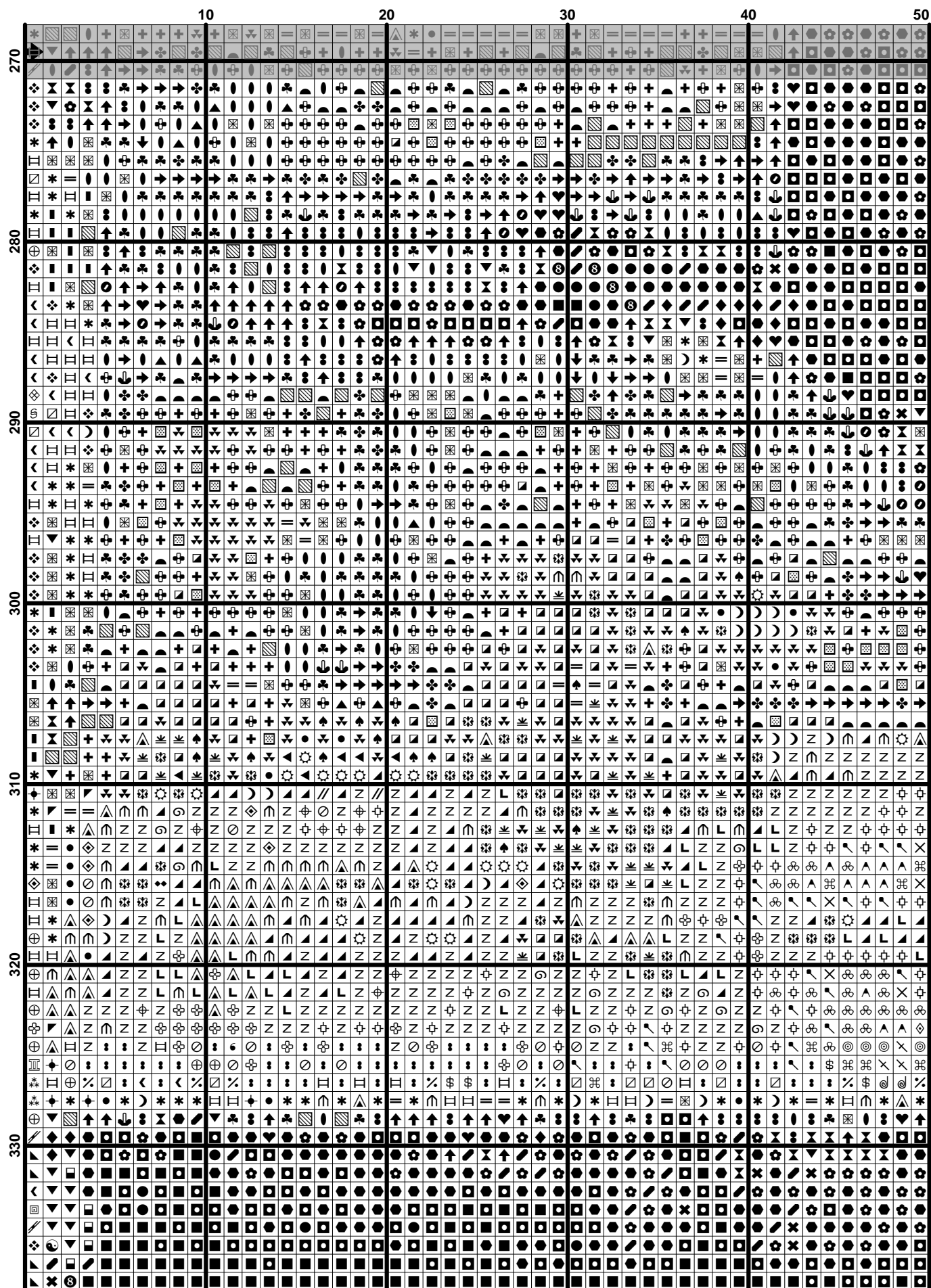


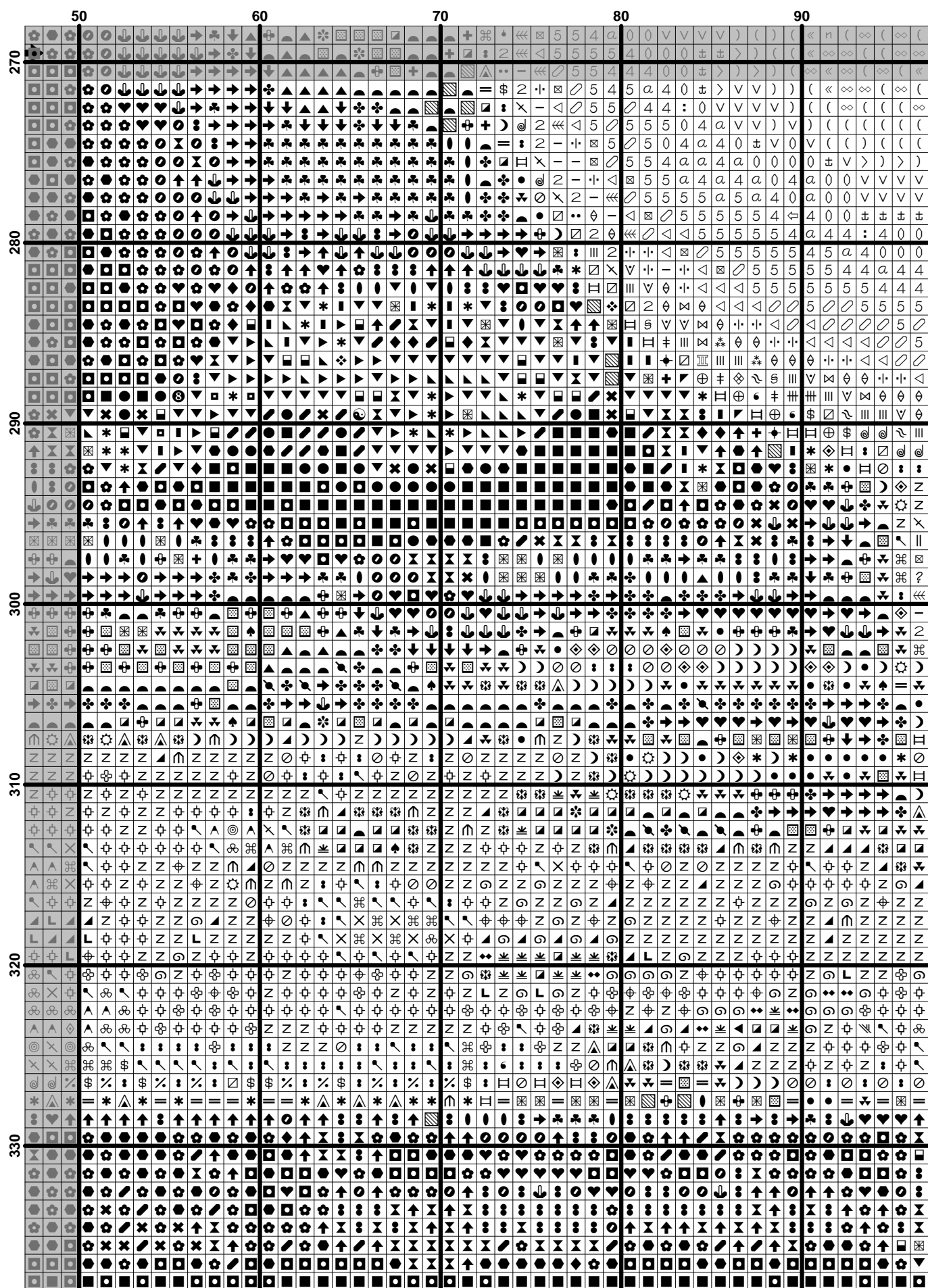


$$(43) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

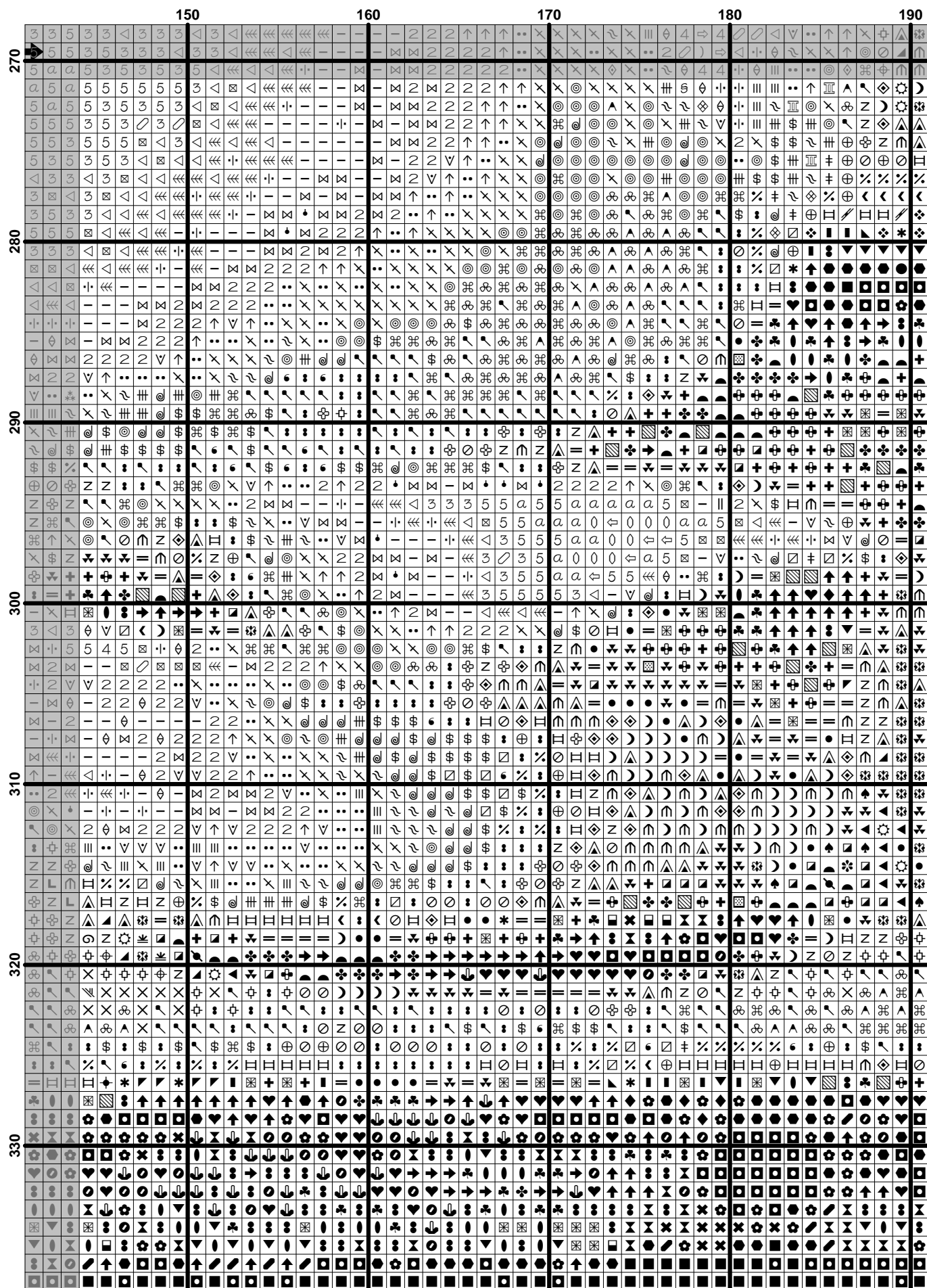


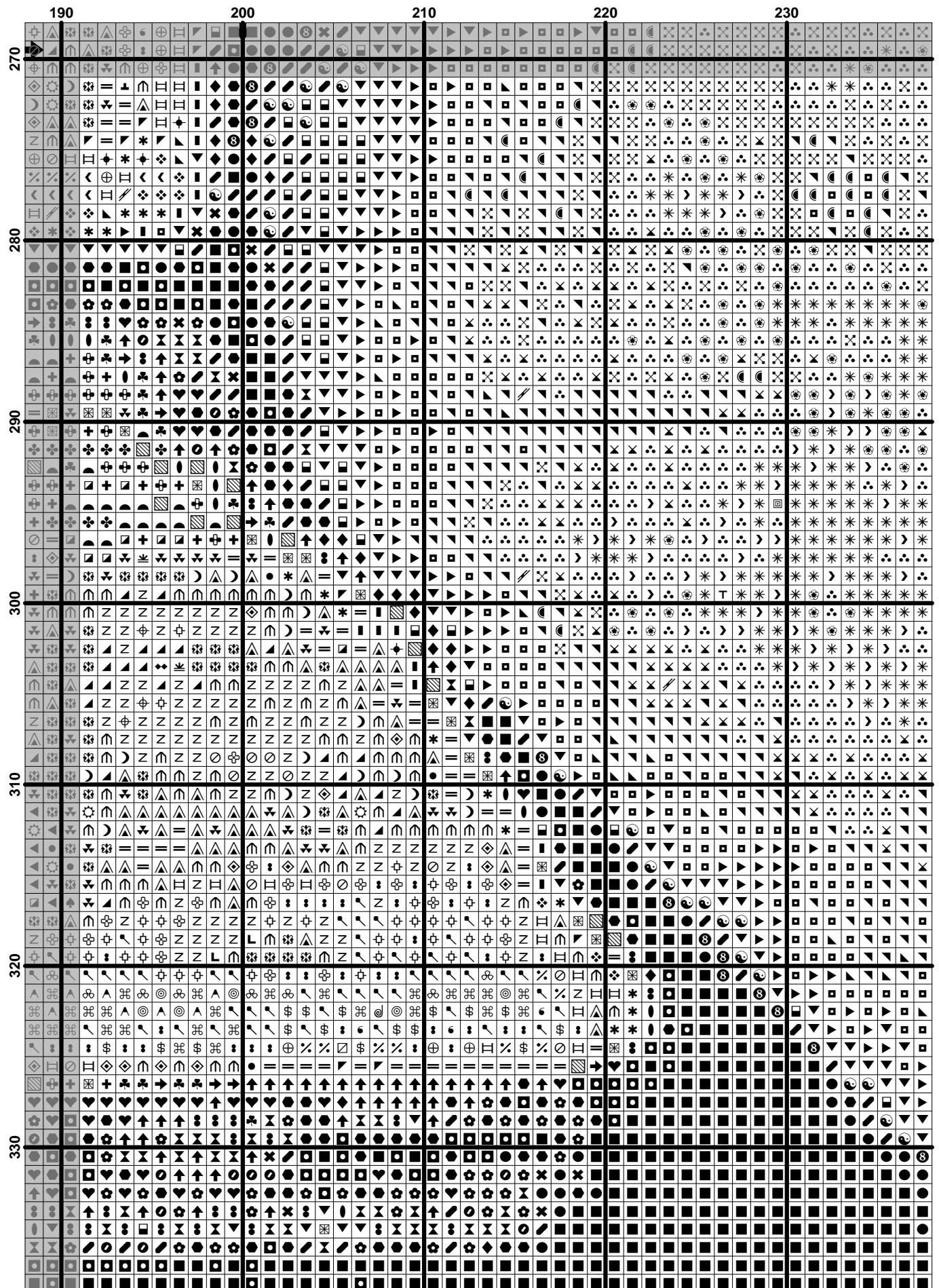
(45)





[illegible]





	240	250	260	270	280
270					
280					
290					
300					
310					
320					
330					



