

## 1394 Girl Feeding the Peacocks (medium)



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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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## Girl Feeding the Peacocks (medium)

Stitch Count	
Horizontal:	400
Vertical:	575

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	105	40.98	64	24.89	92	35.85	57	22.125	81	31.875
Including Margins:	89	35	121	47	80	31	108	42	73	29	97	38
	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	147	57.37	85	33.18	122	47.81	42	16.59	61	23.9
Including Margins:	118	46	163	64	101	40	138	54	58	23	77	30
	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	58	22.94	39	15.31	56	22.06	37	14.74	54	21.24
Including Margins:	56	22	74	29	55	22	72	29	53	21	70	28
	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	52	20.49	34	13.27	49	19.12	31	12.44	45	17.92
Including Margins:	52	21	68	27	50	20	65	26	47	19	61	24

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
✕	223	Shell Pink-LT
2	224	Shell Pink-VY LT
☐	407	Desert Sand-DK
III	437	Tan-LT
✿	451	Shell Gray-DK
≡	452	Shell Gray-MD
■	500	Blue Green-VY DK
↖	503	Blue Green-MD
⊕	523	Fern Green-LT
⊖	524	Fern Green-VY LT
▲	535	Ash Gray-VY LT
4	543	Beige Brown-UL VY LT
5	598	Turquoise-LT
☆	613	Drab Brown-VY LT
▼	640	Beige Gray-VY DK
6	642	Beige Gray-DK
~	644	Beige Gray-MD
⊗	645	Beaver Gray-VY DK
⊙	646	Beaver Gray-DK
⊛	647	Beaver Gray-MD
↑	648	Beaver Gray-LT
<	677	Old Gold-VY LT
⊥	738	Tan-VY LT
⇄	739	Tan-UL VY LT
(	745	Yellow-LT Pale
u	746	Off White
◇	754	Peach-LT
○	772	Yellow Green-VY LT
△	822	Beige Gray-LT
◆	838	Beige Brown-VY DK
◀	839	Beige Brown-DK
=	840	Beige Brown-MD
⊕	841	Beige Brown-LT
-	842	Beige Brown-VY LT
⌒	844	Beaver Brown-UL DK

●	926	Gray Green-MD
z	927	Gray Green-LT
v	928	Gray Green-VY LT
③	938	Coffee Brown-UL DK
3	945	Tawny
>	948	Peach-VY LT
≡	950	Desert Sand-LT
♡	951	Tawny-LT
:	955	Nile Green-LT
↓	3021	Brown Gray-VY DK
⬆	3022	Brown Gray-MD
⌘	3023	Brown Gray-LT
√	3024	Brown Gray-VY LT
♥	3031	Mocha Brown-VY DK
⊗	3032	Mocha Brown-MD
8	3033	Mocha Brown-VY LT
)	3047	Yellow Beige-LT
⊕	3064	Desert Sand
+	3072	Beaver Gray-VY LT
^	3078	Golden Yellow-VY LT
*	3772	Desert Sand-VY DK
◀	3778	Terra Cotta-LT
⋈	3779	Terra Cotta-UL VY LT
⌘	3782	Mocha Brown-LT
⊕	3787	Brown Gray-DK
⌒	3790	Beige Gray-UL DK
⌒	3799	Pewter Gray-VY DK
^	3813	Blue Green-LT
~	3823	Yellow-UL Pale
⊗	3824	Apricot-LT
7	3856	Mahogany-UL VY LT
⌒	3859	Rosewood-LT
+	3860	Cocoa
⋈	3861	Cocoa-LT
⋈	3863	Mocha Beige-MD
⊗	3864	Mocha Beige-LT
▷	3866	Mocha Brown-UL VY LT

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
⌒	645	Beaver Gray-VY DK	646	Beaver Gray-DK
⌘	647	Beaver Gray-MD	3861	Cocoa-LT
↖	928	Gray Green-VY LT	452	Shell Gray-MD
↖	407	Desert Sand-DK	3864	Mocha Beige-LT
★	3859	Rosewood-LT	3863	Mocha Beige-MD
✕	3032	Mocha Brown-MD	3859	Rosewood-LT
田	927	Gray Green-LT	928	Gray Green-VY LT
▲	3772	Desert Sand-VY DK	3863	Mocha Beige-MD
⌘	356	Terra Cotta-MD	3772	Desert Sand-VY DK
◆	840	Beige Brown-MD	3032	Mocha Brown-MD
♣	839	Beige Brown-DK	844	Beaver Brown-UL DK

🏠	934	Black Avocado Green	3799	Pewter Gray-VY DK
🏠	3772	Desert Sand-VY DK	3859	Rosewood-LT
🏠	356	Terra Cotta-MD	3859	Rosewood-LT
🏠	758	Terra Cotta-VY LT	3864	Mocha Beige-LT
🏠	407	Desert Sand-DK	758	Terra Cotta-VY LT
🏠	3859	Rosewood-LT	3778	Terra Cotta-LT
🏠	503	Blue Green-MD	3861	Cocoa-LT
🏠	840	Beige Brown-MD	3859	Rosewood-LT
🏠	758	Terra Cotta-VY LT	3778	Terra Cotta-LT
🏠	632	Desert Sand-UL VY DK	3787	Brown Gray-DK
🏠	839	Beige Brown-DK	3787	Brown Gray-DK
🏠	3782	Mocha Brown-LT	3864	Mocha Beige-LT
🏠	3787	Brown Gray-DK	3790	Beige Gray-UL DK
🏠	840	Beige Brown-MD	3726	Antique Mauve-DK
🏠	3032	Mocha Brown-MD	3863	Mocha Beige-MD
🏠	839	Beige Brown-DK	3802	Antique Mauve-VY DK
🏠	3726	Antique Mauve-DK	3772	Desert Sand-VY DK
🏠	3726	Antique Mauve-DK	3862	Mocha Beige-DK
🏠	315	Antique Mauve-VY DK	632	Desert Sand-UL VY DK
🏠	315	Antique Mauve-VY DK	3787	Brown Gray-DK
🏠	3021	Brown Gray-VY DK	3802	Antique Mauve-VY DK
🏠	3021	Brown Gray-VY DK	3799	Pewter Gray-VY DK
🏠	738	Tan-VY LT	758	Terra Cotta-VY LT
🏠	945	Tawny	3855	Autumn Gold-LT
🏠	437	Tan-LT	3778	Terra Cotta-LT
🏠	844	Beaver Brown-UL DK	3021	Brown Gray-VY DK
🏠	844	Beaver Brown-UL DK	3802	Antique Mauve-VY DK
🏠	844	Beaver Brown-UL DK	3799	Pewter Gray-VY DK
🏠	645	Beaver Gray-VY DK	3860	Cocoa
🏠	613	Drab Brown-VY LT	772	Yellow Green-VY LT
🏠	822	Beige Gray-LT	3047	Yellow Beige-LT
🏠	500	Blue Green-VY DK	3799	Pewter Gray-VY DK
🏠	315	Antique Mauve-VY DK	3860	Cocoa
🏠	407	Desert Sand-DK	437	Tan-LT
🏠	738	Tan-VY LT	3864	Mocha Beige-LT
🏠	407	Desert Sand-DK	3778	Terra Cotta-LT
🏠	437	Tan-LT	758	Terra Cotta-VY LT
🏠	758	Terra Cotta-VY LT	3856	Mahogany-UL VY LT
🏠	223	Shell Pink-LT	841	Beige Brown-LT
🏠	3371	Black Brown	3799	Pewter Gray-VY DK
🏠	738	Tan-VY LT	739	Tan-UL VY LT
🏠	839	Beige Brown-DK	3790	Beige Gray-UL DK
🏠	746	Off White	3823	Yellow-UL Pale
🏠	3823	Yellow-UL Pale	3866	Mocha Brown-UL VY LT
🏠	840	Beige Brown-MD	3860	Cocoa
🏠	934	Black Avocado Green	3021	Brown Gray-VY DK
🏠	739	Tan-UL VY LT	3856	Mahogany-UL VY LT
🏠	3862	Mocha Beige-DK	3863	Mocha Beige-MD
🏠	927	Gray Green-LT	647	Beaver Gray-MD
🏠	3860	Cocoa	3862	Mocha Beige-DK
🏠	745	Yellow-LT Pale	945	Tawny
🏠	613	Drab Brown-VY LT	739	Tan-UL VY LT
🏠	414	Steel Gray-DK	927	Gray Green-LT
🏠	414	Steel Gray-DK	647	Beaver Gray-MD
🏠	318	Steel Gray-LT	928	Gray Green-VY LT
🏠	414	Steel Gray-DK	503	Blue Green-MD
🏠	503	Blue Green-MD	927	Gray Green-LT
🏠	632	Desert Sand-UL VY DK	3860	Cocoa
🏠	3802	Antique Mauve-VY DK	3787	Brown Gray-DK

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➤	647	Beaver Gray-MD	841	Beige Brown-LT
☪	352	Coral-LT	3778	Terra Cotta-LT
♠	3861	Cocoa-LT	3864	Mocha Beige-LT
	928	Gray Green-VY LT	3024	Brown Gray-VY LT
«	712	Cream	746	Off White
◇	415	Pearl Gray	928	Gray Green-VY LT
☙	927	Gray Green-LT	3813	Blue Green-LT
✱	414	Steel Gray-DK	926	Gray Green-MD
▨	317	Pewter Gray	535	Ash Gray-VY LT
▲	3032	Mocha Brown-MD	3772	Desert Sand-VY DK
◀	501	Blue Green-DK	503	Blue Green-MD
☾	926	Gray Green-MD	503	Blue Green-MD
▩	317	Pewter Gray	645	Beaver Gray-VY DK
⌚	3823	Yellow-UL Pale	951	Tawny-LT
♣	452	Shell Gray-MD	842	Beige Brown-VY LT
✱	647	Beaver Gray-MD	503	Blue Green-MD
☪	927	Gray Green-LT	3023	Brown Gray-LT
♠	746	Off White	3866	Mocha Brown-UL VY LT
=	543	Beige Brown-UL VY LT	772	Yellow Green-VY LT
9	772	Yellow Green-VY LT	3024	Brown Gray-VY LT
▼	645	Beaver Gray-VY DK	844	Beaver Brown-UL DK
❖	926	Gray Green-MD	3861	Cocoa-LT
▣	501	Blue Green-DK	3021	Brown Gray-VY DK
↓	844	Beaver Brown-UL DK	501	Blue Green-DK
∞	746	Off White	772	Yellow Green-VY LT
L	772	Yellow Green-VY LT	3866	Mocha Brown-UL VY LT
m	3856	Mahogany-UL VY LT	352	Coral-LT
α	3824	Apricot-LT	3855	Autumn Gold-LT
⦿	745	Yellow-LT Pale	3824	Apricot-LT
○	352	Coral-LT	758	Terra Cotta-VY LT
/	955	Nile Green-LT	3024	Brown Gray-VY LT
□	745	Yellow-LT Pale	677	Old Gold-VY LT
6	677	Old Gold-VY LT	3824	Apricot-LT
L	371	Mustard	3859	Rosewood-LT
•	3078	Golden Yellow-VY LT	951	Tawny-LT
v	739	Tan-UL VY LT	3078	Golden Yellow-VY LT
0	677	Old Gold-VY LT	945	Tawny
◁	352	Coral-LT	3855	Autumn Gold-LT
✓	352	Coral-LT	437	Tan-LT
x	352	Coral-LT	3864	Mocha Beige-LT
н	738	Tan-VY LT	352	Coral-LT
⊕	3032	Mocha Brown-MD	3064	Desert Sand
X	841	Beige Brown-LT	3864	Mocha Beige-LT
o	317	Pewter Gray	646	Beaver Gray-DK
#	318	Steel Gray-LT	598	Turquoise-LT
o	746	Off White	955	Nile Green-LT
▣	945	Tawny	3824	Apricot-LT
н	644	Beige Gray-MD	772	Yellow Green-VY LT
1	1	White 1	955	Nile Green-LT
	712	Cream	955	Nile Green-LT
::	644	Beige Gray-MD	966	Baby Green-MD
∩	318	Steel Gray-LT	3813	Blue Green-LT
⊕	928	Gray Green-VY LT	966	Baby Green-MD
§	928	Gray Green-VY LT	3813	Blue Green-LT
✕	415	Pearl Gray	598	Turquoise-LT
■	934	Black Avocado Green	310	Black



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

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		14		16		18	
1	White 1	34	13	32	12	29	11
223	Shell Pink-LT	200	78	191	75	172	67
224	Shell Pink-VY LT	151	59	144	56	129	50
310	Black	461	181	439	172	395	155
315	Antique Mauve-VY DK	322	126	307	120	276	108
317	Pewter Gray	164	64	157	61	141	55
318	Steel Gray-LT	357	140	340	133	306	120
352	Coral-LT	210	82	200	78	180	70
356	Terra Cotta-MD	17	6	16	6	14	5
371	Mustard	30	11	29	11	26	10
407	Desert Sand-DK	1081	425	1030	405	927	364
414	Steel Gray-DK	255	100	243	95	219	86
415	Pearl Gray	85	33	81	31	73	28
437	Tan-LT	131	51	125	49	112	44
451	Shell Gray-DK	193	75	184	72	165	64
452	Shell Gray-MD	278	109	265	104	238	93
500	Blue Green-VY DK	454	178	432	170	389	153
501	Blue Green-DK	153	60	146	57	131	51
503	Blue Green-MD	514	202	490	192	441	173
523	Fern Green-LT	42	16	40	15	36	14
524	Fern Green-VY LT	716	281	682	268	614	241
535	Ash Gray-VY LT	196	77	187	73	168	66
543	Beige Brown-UL VY LT	519	204	494	194	445	175
598	Turquoise-LT	376	148	358	140	322	126
613	Drab Brown-VY LT	1166	459	1111	437	999	393
632	Desert Sand-UL VY DK	134	52	127	50	115	45
640	Beige Gray-VY DK	454	178	433	170	389	153
642	Beige Gray-DK	128	50	122	48	110	43
644	Beige Gray-MD	1120	440	1066	419	960	377
645	Beaver Gray-VY DK	553	217	526	207	474	186
646	Beaver Gray-DK	372	146	354	139	319	125
647	Beaver Gray-MD	688	270	655	257	590	232
648	Beaver Gray-LT	224	88	214	84	192	75
677	Old Gold-VY LT	240	94	228	89	205	80
712	Cream	140	55	133	52	120	47
738	Tan-VY LT	1027	404	978	385	881	346
739	Tan-UL VY LT	1410	555	1343	528	1208	475
745	Yellow-LT Pale	204	80	195	76	175	68
746	Off White	3512	1382	3344	1316	3010	1185
754	Peach-LT	59	23	56	22	51	20
758	Terra Cotta-VY LT	761	299	724	285	652	256
772	Yellow Green-VY LT	2580	1015	2457	967	2211	870
822	Beige Gray-LT	430	169	410	161	369	145
838	Beige Brown-VY DK	195	76	185	72	167	65
839	Beige Brown-DK	845	332	805	316	724	285
840	Beige Brown-MD	1116	439	1062	418	956	376
841	Beige Brown-LT	814	320	776	305	698	274
842	Beige Brown-VY LT	696	274	663	261	597	235
844	Beaver Brown-UL DK	1422	559	1355	533	1219	479
926	Gray Green-MD	323	127	308	121	277	109
927	Gray Green-LT	756	297	720	283	648	255
928	Gray Green-VY LT	542	213	516	203	464	182
934	Black Avocado Green	2721	1071	2591	1020	2332	918

938	Coffee Brown-UL DK	21	8	20	7	18	7
945	Tawny	367	144	349	137	314	123
948	Peach-VY LT	23	9	22	8	20	7
950	Desert Sand-LT	215	84	205	80	184	72
951	Tawny-LT	497	195	473	186	426	167
955	Nile Green-LT	301	118	287	112	258	101
966	Baby Green-MD	206	81	196	77	176	69
3021	Brown Gray-VY DK	3593	1414	3422	1347	3080	1212
3022	Brown Gray-MD	246	96	234	92	211	83
3023	Brown Gray-LT	601	236	572	225	515	202
3024	Brown Gray-VY LT	501	197	477	187	429	168
3031	Mocha Brown-VY DK	321	126	305	120	275	108
3032	Mocha Brown-MD	1006	396	958	377	862	339
3033	Mocha Brown-VY LT	36	14	35	13	31	12
3047	Yellow Beige-LT	939	369	894	351	805	316
3064	Desert Sand	160	62	152	59	137	53
3072	Beaver Gray-VY LT	39	15	37	14	34	13
3078	Golden Yellow-VY LT	476	187	453	178	408	160
3371	Black Brown	3277	1290	3120	1228	2808	1105
3726	Antique Mauve-DK	390	153	372	146	335	131
3772	Desert Sand-VY DK	405	159	386	151	347	136
3778	Terra Cotta-LT	173	68	164	64	148	58
3779	Terra Cotta-UL VY LT	130	51	123	48	111	43
3782	Mocha Brown-LT	702	276	668	262	601	236
3787	Brown Gray-DK	1394	548	1327	522	1194	470
3790	Beige Gray-UL DK	488	192	465	183	418	164
3799	Pewter Gray-VY DK	6778	2668	6456	2541	5810	2287
3802	Antique Mauve-VY DK	720	283	686	270	617	242
3813	Blue Green-LT	503	198	479	188	431	169
3823	Yellow-UL Pale	3211	1264	3058	1203	2752	1083
3824	Apricot-LT	112	44	107	42	96	37
3855	Autumn Gold-LT	56	22	53	20	48	18
3856	Mahogany-UL VY LT	231	90	220	86	198	77
3859	Rosewood-LT	617	242	587	231	529	208
3860	Cocoa	825	324	786	309	707	278
3861	Cocoa-LT	513	201	488	192	439	172
3862	Mocha Beige-DK	242	95	230	90	207	81
3863	Mocha Beige-MD	305	120	290	114	261	102
3864	Mocha Beige-LT	1829	720	1742	685	1567	616
3866	Mocha Brown-UL VY LT	845	332	805	316	724	285

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
1	White 1	52	20	44	17	22	8
223	Shell Pink-LT	310	121	258	101	129	50
224	Shell Pink-VY LT	232	90	194	75	97	38
310	Black	711	279	593	233	296	116
315	Antique Mauve-VY DK	497	194	414	162	207	81
317	Pewter Gray	254	99	212	83	106	41
318	Steel Gray-LT	551	216	459	180	230	90
352	Coral-LT	324	126	270	105	135	53
356	Terra Cotta-MD	25	9	21	8	11	4
371	Mustard	47	18	39	15	20	8
407	Desert Sand-DK	1669	655	1391	546	695	273
414	Steel Gray-DK	394	155	329	129	164	65



415	Pearl Gray	131	50	110	42	55	21
437	Tan-LT	202	79	168	66	84	33
451	Shell Gray-DK	297	115	248	96	124	48
452	Shell Gray-MD	428	167	357	140	179	70
500	Blue Green-VY DK	700	275	584	230	292	115
501	Blue Green-DK	236	92	197	77	98	38
503	Blue Green-MD	794	311	662	260	331	130
523	Fern Green-LT	65	25	54	21	27	11
524	Fern Green-VY LT	1105	434	921	362	461	181
535	Ash Gray-VY LT	302	119	252	99	126	50
543	Beige Brown-UL VY LT	801	315	668	263	334	131
598	Turquoise-LT	580	227	483	189	242	95
613	Drab Brown-VY LT	1798	707	1499	590	749	295
632	Desert Sand-UL VY DK	207	81	173	68	86	34
640	Beige Gray-VY DK	700	275	584	230	292	115
642	Beige Gray-DK	198	77	165	65	83	32
644	Beige Gray-MD	1728	679	1440	566	720	283
645	Beaver Gray-VY DK	853	335	711	279	356	140
646	Beaver Gray-DK	574	225	479	188	239	94
647	Beaver Gray-MD	1062	418	885	348	443	174
648	Beaver Gray-LT	346	135	288	113	144	56
677	Old Gold-VY LT	369	144	308	120	154	60
712	Cream	216	85	180	71	90	35
738	Tan-VY LT	1586	623	1322	519	661	260
739	Tan-UL VY LT	2174	855	1812	713	906	356
745	Yellow-LT Pale	315	122	263	102	131	51
746	Off White	5418	2133	4515	1778	2258	889
754	Peach-LT	92	36	77	30	38	15
758	Terra Cotta-VY LT	1174	461	978	384	489	192
772	Yellow Green-VY LT	3980	1566	3317	1305	1658	653
822	Beige Gray-LT	664	261	554	218	277	109
838	Beige Brown-VY DK	301	117	251	98	125	49
839	Beige Brown-DK	1303	513	1086	428	543	214
840	Beige Brown-MD	1721	677	1434	564	717	282
841	Beige Brown-LT	1256	493	1047	411	524	206
842	Beige Brown-VY LT	1075	423	896	353	448	176
844	Beaver Brown-UL DK	2194	862	1829	719	914	359
926	Gray Green-MD	499	196	416	164	208	82
927	Gray Green-LT	1166	459	972	383	486	191
928	Gray Green-VY LT	835	328	696	273	348	137
934	Black Avocado Green	4198	1652	3498	1377	1749	689
938	Coffee Brown-UL DK	32	13	27	11	14	5
945	Tawny	565	221	471	185	236	92
948	Peach-VY LT	36	13	30	11	15	5
950	Desert Sand-LT	331	130	276	108	138	54
951	Tawny-LT	767	301	639	251	320	125
955	Nile Green-LT	464	182	387	152	194	76
966	Baby Green-MD	317	124	264	104	132	52
3021	Brown Gray-VY DK	5544	2182	4620	1818	2310	909
3022	Brown Gray-MD	380	149	317	125	158	62
3023	Brown Gray-LT	927	364	773	303	386	152
3024	Brown Gray-VY LT	772	302	644	252	322	126
3031	Mocha Brown-VY DK	495	194	413	162	206	81
3032	Mocha Brown-MD	1552	610	1293	509	647	254
3033	Mocha Brown-VY LT	56	22	47	18	23	9
3047	Yellow Beige-LT	1449	569	1208	474	604	237
3064	Desert Sand	247	95	206	80	103	40
3072	Beaver Gray-VY LT	61	23	51	20	26	10
3078	Golden Yellow-VY LT	734	288	612	240	306	120

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3371	Black Brown	5054	1989	4212	1658	2106	829
3726	Antique Mauve-DK	603	236	503	197	251	98
3772	Desert Sand-VY DK	625	245	521	204	260	102
3778	Terra Cotta-LT	266	104	222	87	111	44
3779	Terra Cotta-UL VY LT	200	77	167	65	83	32
3782	Mocha Brown-LT	1082	425	902	354	451	177
3787	Brown Gray-DK	2149	846	1791	705	896	353
3790	Beige Gray-UL DK	752	295	627	246	314	123
3799	Pewter Gray-VY DK	10458	4117	8715	3431	4358	1715
3802	Antique Mauve-VY DK	1111	436	926	363	463	182
3813	Blue Green-LT	776	304	647	254	323	127
3823	Yellow-UL Pale	4954	1949	4128	1625	2064	812
3824	Apricot-LT	173	67	144	56	72	28
3855	Autumn Gold-LT	86	32	72	27	36	14
3856	Mahogany-UL VY LT	356	139	297	116	149	58
3859	Rosewood-LT	952	374	794	312	397	156
3860	Cocoa	1273	500	1061	417	530	209
3861	Cocoa-LT	790	310	659	258	329	129
3862	Mocha Beige-DK	373	146	311	122	155	61
3863	Mocha Beige-MD	470	184	392	153	196	77
3864	Mocha Beige-LT	2821	1109	2351	924	1175	462
3866	Mocha Brown-UL VY LT	1303	513	1086	428	543	214

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
1	White 1	21	8	20	8	19	7
223	Shell Pink-LT	124	48	119	46	115	45
224	Shell Pink-VY LT	93	36	89	35	86	33
310	Black	284	112	273	107	263	103
315	Antique Mauve-VY DK	199	78	191	75	184	72
317	Pewter Gray	102	40	98	38	94	37
318	Steel Gray-LT	220	86	212	83	204	80
352	Coral-LT	130	50	125	48	120	47
356	Terra Cotta-MD	10	4	10	3	9	3
371	Mustard	19	7	18	7	17	7
407	Desert Sand-DK	667	262	642	252	618	243
414	Steel Gray-DK	158	62	152	60	146	57
415	Pearl Gray	53	20	51	19	49	19
437	Tan-LT	81	32	78	30	75	29
451	Shell Gray-DK	119	46	114	44	110	43
452	Shell Gray-MD	171	67	165	64	159	62
500	Blue Green-VY DK	280	110	269	106	259	102
501	Blue Green-DK	94	37	91	35	87	34
503	Blue Green-MD	318	125	305	120	294	115
523	Fern Green-LT	26	10	25	10	24	9
524	Fern Green-VY LT	442	174	425	167	409	161
535	Ash Gray-VY LT	121	48	116	46	112	44
543	Beige Brown-UL VY LT	320	126	308	121	297	117
598	Turquoise-LT	232	91	223	87	215	84
613	Drab Brown-VY LT	719	283	692	272	666	262
632	Desert Sand-UL VY DK	83	32	80	31	77	30
640	Beige Gray-VY DK	280	110	269	106	259	102
642	Beige Gray-DK	79	31	76	30	73	29
644	Beige Gray-MD	691	271	665	261	640	251
645	Beaver Gray-VY DK	341	134	328	129	316	124

646	Beaver Gray-DK	230	90	221	87	213	83
647	Beaver Gray-MD	425	167	408	161	393	155
648	Beaver Gray-LT	138	54	133	52	128	50
677	Old Gold-VY LT	148	58	142	55	137	53
712	Cream	86	34	83	33	80	31
738	Tan-VY LT	634	249	610	240	587	231
739	Tan-UL VY LT	870	342	836	329	805	317
745	Yellow-LT Pale	126	49	121	47	117	45
746	Off White	2167	853	2084	820	2007	790
754	Peach-LT	37	14	35	14	34	13
758	Terra Cotta-VY LT	469	184	451	177	435	171
772	Yellow Green-VY LT	1592	626	1531	602	1474	580
822	Beige Gray-LT	266	104	255	100	246	97
838	Beige Brown-VY DK	120	47	116	45	111	43
839	Beige Brown-DK	521	205	501	197	483	190
840	Beige Brown-MD	688	271	662	260	637	251
841	Beige Brown-LT	503	197	483	190	465	183
842	Beige Brown-VY LT	430	169	413	163	398	157
844	Beaver Brown-UL DK	878	345	844	332	813	319
926	Gray Green-MD	199	78	192	75	185	73
927	Gray Green-LT	467	184	449	177	432	170
928	Gray Green-VY LT	334	131	321	126	309	121
934	Black Avocado Green	1679	661	1614	636	1555	612
938	Coffee Brown-UL DK	13	5	12	5	12	5
945	Tawny	226	89	217	85	209	82
948	Peach-VY LT	14	5	14	5	13	5
950	Desert Sand-LT	132	52	127	50	123	48
951	Tawny-LT	307	120	295	116	284	111
955	Nile Green-LT	186	73	179	70	172	67
966	Baby Green-MD	127	50	122	48	117	46
3021	Brown Gray-VY DK	2218	873	2132	839	2053	808
3022	Brown Gray-MD	152	60	146	57	141	55
3023	Brown Gray-LT	371	145	357	140	343	135
3024	Brown Gray-VY LT	309	121	297	116	286	112
3031	Mocha Brown-VY DK	198	78	190	75	183	72
3032	Mocha Brown-MD	621	244	597	235	575	226
3033	Mocha Brown-VY LT	22	9	21	8	21	8
3047	Yellow Beige-LT	580	228	557	219	537	211
3064	Desert Sand	99	38	95	37	91	35
3072	Beaver Gray-VY LT	24	9	24	9	23	9
3078	Golden Yellow-VY LT	294	115	282	111	272	107
3371	Black Brown	2022	796	1944	765	1872	737
3726	Antique Mauve-DK	241	94	232	91	223	87
3772	Desert Sand-VY DK	250	98	240	94	231	91
3778	Terra Cotta-LT	107	42	102	40	99	39
3779	Terra Cotta-UL VY LT	80	31	77	30	74	29
3782	Mocha Brown-LT	433	170	416	163	401	157
3787	Brown Gray-DK	860	338	827	325	796	313
3790	Beige Gray-UL DK	301	118	289	114	279	109
3799	Pewter Gray-VY DK	4183	1647	4022	1583	3873	1525
3802	Antique Mauve-VY DK	444	174	427	168	411	161
3813	Blue Green-LT	310	122	298	117	287	113
3823	Yellow-UL Pale	1981	780	1905	750	1835	722
3824	Apricot-LT	69	27	66	26	64	25
3855	Autumn Gold-LT	35	13	33	12	32	12
3856	Mahogany-UL VY LT	143	55	137	53	132	51
3859	Rosewood-LT	381	150	366	144	353	139
3860	Cocoa	509	200	489	192	471	185
3861	Cocoa-LT	316	124	304	119	293	115

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3862	Mocha Beige-DK	149	58	143	56	138	54
3863	Mocha Beige-MD	188	73	181	71	174	68
3864	Mocha Beige-LT	1128	444	1085	426	1045	411
3866	Mocha Brown-UL VY LT	521	205	501	197	483	190

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
1	White 1	19	7	17	7	16	6
223	Shell Pink-LT	111	43	103	40	97	38
224	Shell Pink-VY LT	83	32	77	30	73	28
310	Black	254	100	237	93	222	87
315	Antique Mauve-VY DK	177	69	166	65	155	61
317	Pewter Gray	91	35	85	33	79	31
318	Steel Gray-LT	197	77	184	72	172	68
352	Coral-LT	116	45	108	42	101	39
356	Terra Cotta-MD	9	3	8	3	8	3
371	Mustard	17	6	16	6	15	6
407	Desert Sand-DK	596	234	556	218	521	205
414	Steel Gray-DK	141	55	131	52	123	48
415	Pearl Gray	47	18	44	17	41	16
437	Tan-LT	72	28	67	26	63	25
451	Shell Gray-DK	106	41	99	38	93	36
452	Shell Gray-MD	153	60	143	56	134	52
500	Blue Green-VY DK	250	98	233	92	219	86
501	Blue Green-DK	84	33	79	31	74	29
503	Blue Green-MD	284	111	265	104	248	97
523	Fern Green-LT	23	9	22	8	20	8
524	Fern Green-VY LT	395	155	368	145	345	136
535	Ash Gray-VY LT	108	42	101	40	95	37
543	Beige Brown-UL VY LT	286	113	267	105	250	98
598	Turquoise-LT	207	81	193	76	181	71
613	Drab Brown-VY LT	642	253	599	236	562	221
632	Desert Sand-UL VY DK	74	29	69	27	65	25
640	Beige Gray-VY DK	250	98	233	92	219	86
642	Beige Gray-DK	71	28	66	26	62	24
644	Beige Gray-MD	617	242	576	226	540	212
645	Beaver Gray-VY DK	305	120	284	112	267	105
646	Beaver Gray-DK	205	80	191	75	179	70
647	Beaver Gray-MD	379	149	354	139	332	131
648	Beaver Gray-LT	123	48	115	45	108	42
677	Old Gold-VY LT	132	51	123	48	115	45
712	Cream	77	30	72	28	68	26
738	Tan-VY LT	566	222	529	208	496	195
739	Tan-UL VY LT	777	305	725	285	680	267
745	Yellow-LT Pale	113	44	105	41	98	38
746	Off White	1935	762	1806	711	1693	667
754	Peach-LT	33	13	31	12	29	11
758	Terra Cotta-VY LT	419	165	391	154	367	144
772	Yellow Green-VY LT	1421	559	1327	522	1244	489
822	Beige Gray-LT	237	93	221	87	208	82
838	Beige Brown-VY DK	107	42	100	39	94	37
839	Beige Brown-DK	465	183	434	171	407	160
840	Beige Brown-MD	615	242	574	226	538	212
841	Beige Brown-LT	449	176	419	164	393	154
842	Beige Brown-VY LT	384	151	358	141	336	132

844	Beaver Brown-UL DK	784	308	731	287	686	269
926	Gray Green-MD	178	70	166	65	156	61
927	Gray Green-LT	417	164	389	153	365	143
928	Gray Green-VY LT	298	117	278	109	261	102
934	Black Avocado Green	1499	590	1399	551	1312	516
938	Coffee Brown-UL DK	12	5	11	4	10	4
945	Tawny	202	79	188	74	177	69
948	Peach-VY LT	13	5	12	4	11	4
950	Desert Sand-LT	118	46	110	43	104	41
951	Tawny-LT	274	107	256	100	240	94
955	Nile Green-LT	166	65	155	61	145	57
966	Baby Green-MD	113	44	106	41	99	39
3021	Brown Gray-VY DK	1980	779	1848	727	1733	682
3022	Brown Gray-MD	136	53	127	50	119	47
3023	Brown Gray-LT	331	130	309	121	290	114
3024	Brown Gray-VY LT	276	108	257	101	241	95
3031	Mocha Brown-VY DK	177	69	165	65	155	61
3032	Mocha Brown-MD	554	218	517	203	485	191
3033	Mocha Brown-VY LT	20	8	19	7	17	7
3047	Yellow Beige-LT	518	203	483	190	453	178
3064	Desert Sand	88	34	82	32	77	30
3072	Beaver Gray-VY LT	22	8	20	8	19	7
3078	Golden Yellow-VY LT	262	103	245	96	230	90
3371	Black Brown	1805	710	1685	663	1580	622
3726	Antique Mauve-DK	215	84	201	79	188	74
3772	Desert Sand-VY DK	223	87	208	82	195	77
3778	Terra Cotta-LT	95	37	89	35	83	33
3779	Terra Cotta-UL VY LT	71	28	67	26	62	24
3782	Mocha Brown-LT	386	152	361	142	338	133
3787	Brown Gray-DK	768	302	716	282	672	264
3790	Beige Gray-UL DK	269	105	251	98	235	92
3799	Pewter Gray-VY DK	3735	1470	3486	1372	3268	1286
3802	Antique Mauve-VY DK	397	156	370	145	347	136
3813	Blue Green-LT	277	109	259	101	242	95
3823	Yellow-UL Pale	1769	696	1651	650	1548	609
3824	Apricot-LT	62	24	58	22	54	21
3855	Autumn Gold-LT	31	12	29	11	27	10
3856	Mahogany-UL VY LT	127	50	119	46	111	43
3859	Rosewood-LT	340	134	317	125	298	117
3860	Cocoa	455	179	424	167	398	156
3861	Cocoa-LT	282	111	263	103	247	97
3862	Mocha Beige-DK	133	52	124	49	116	46
3863	Mocha Beige-MD	168	66	157	61	147	57
3864	Mocha Beige-LT	1007	396	940	370	881	347
3866	Mocha Brown-UL VY LT	465	183	434	171	407	160

$$(10) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (11)$$



$$(11) \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$

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

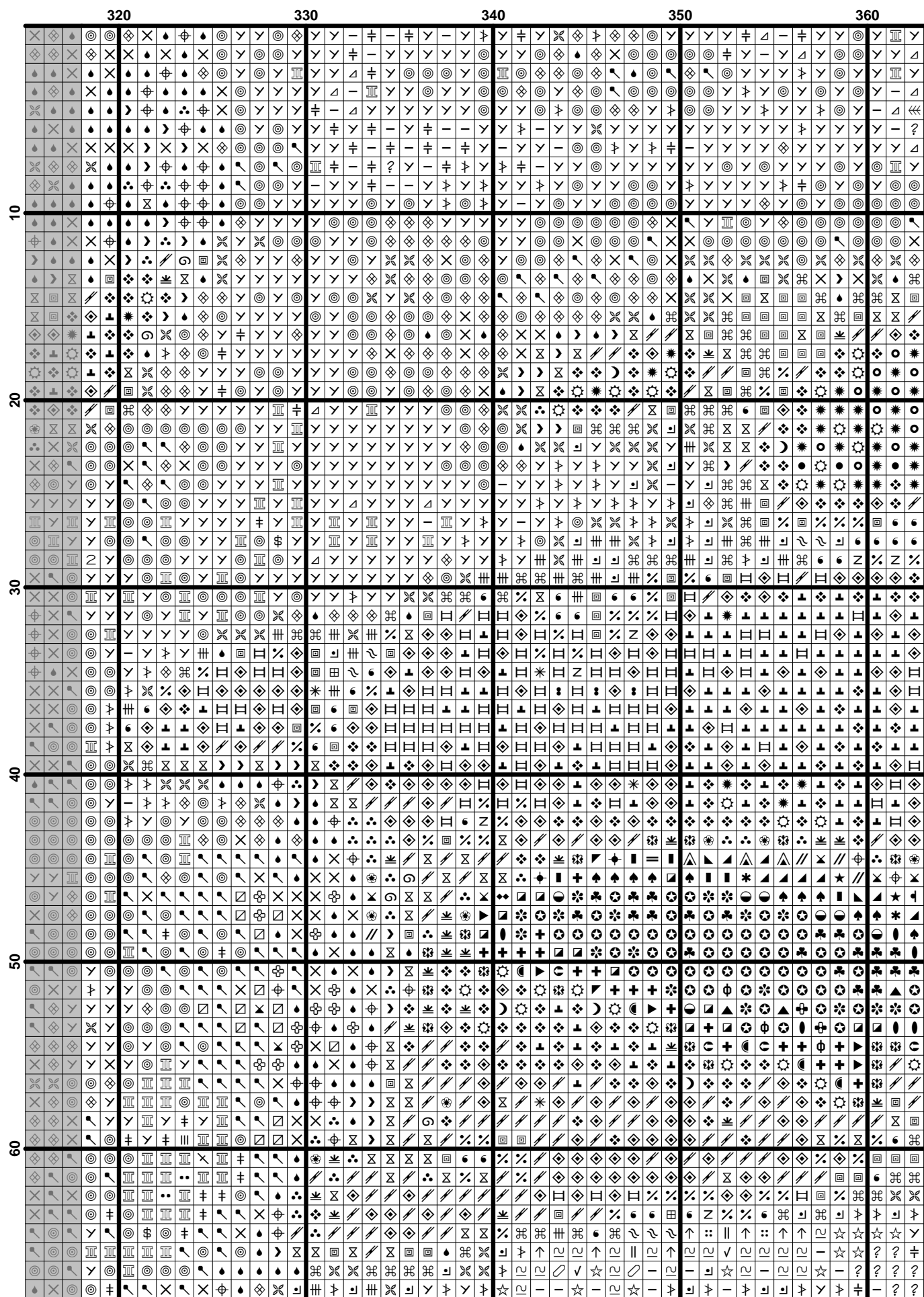
$$(13) \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

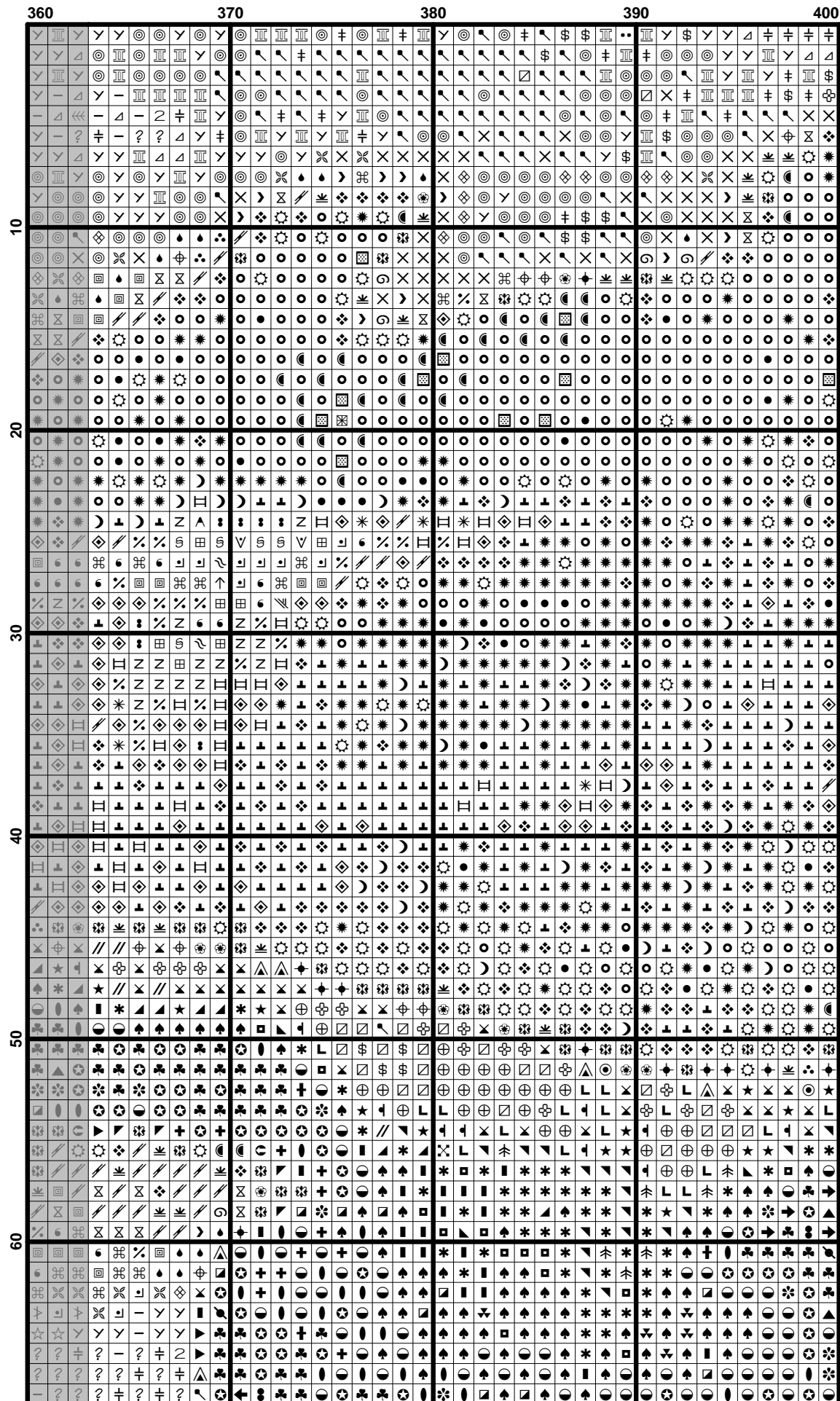
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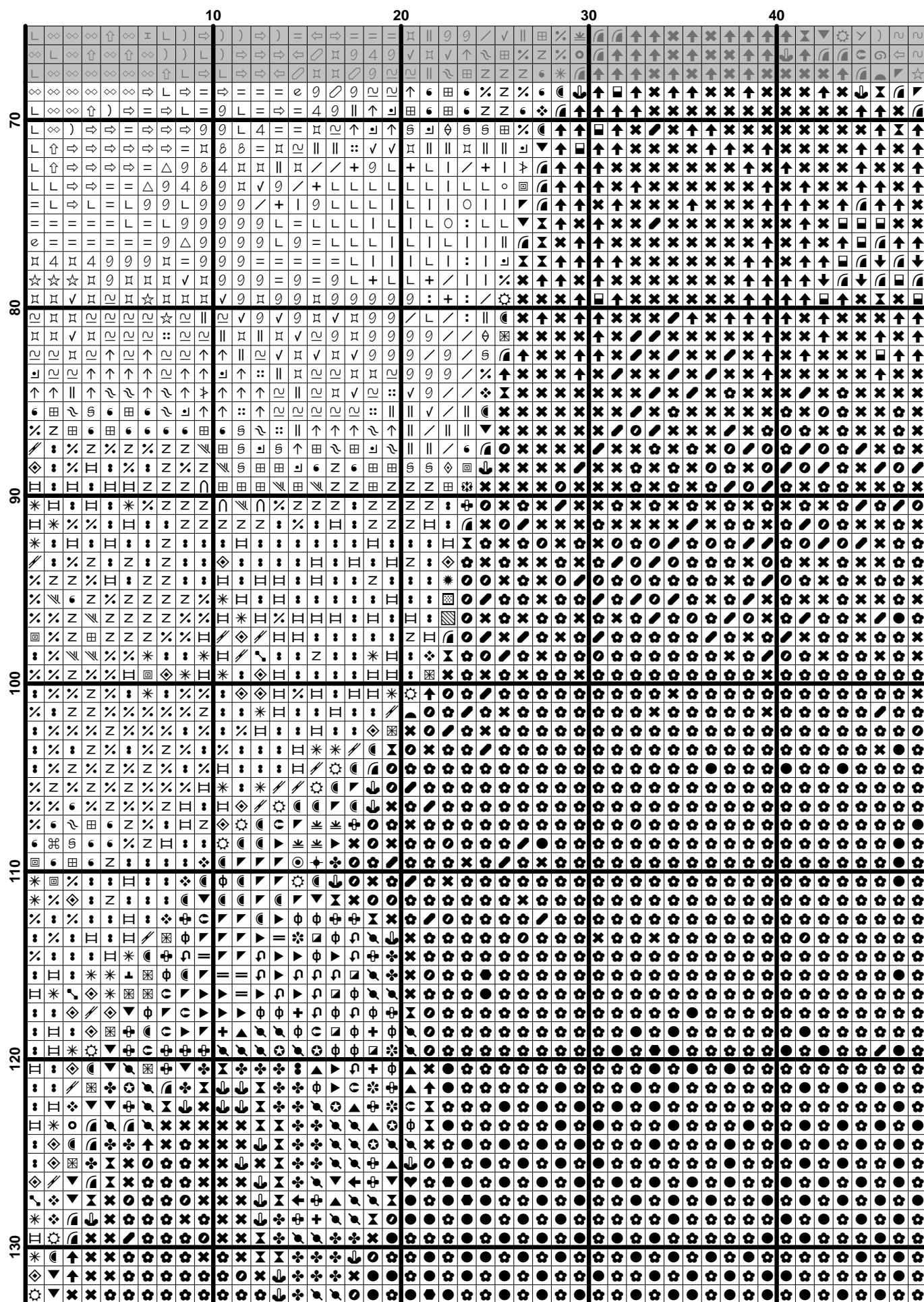
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[illegible]

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

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



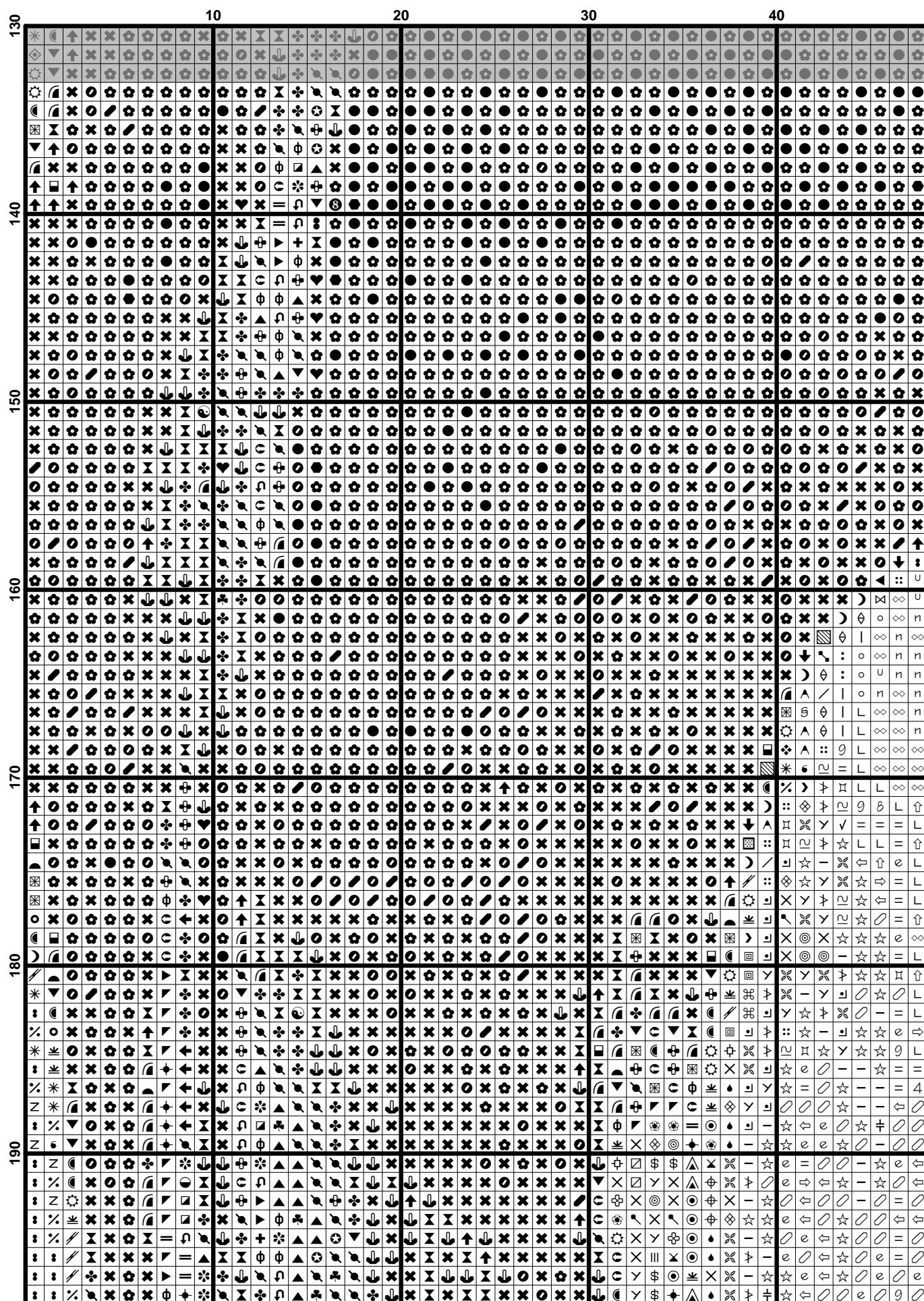
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(26)

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80	?	?	?	?	?
90	?	?	?	?	?
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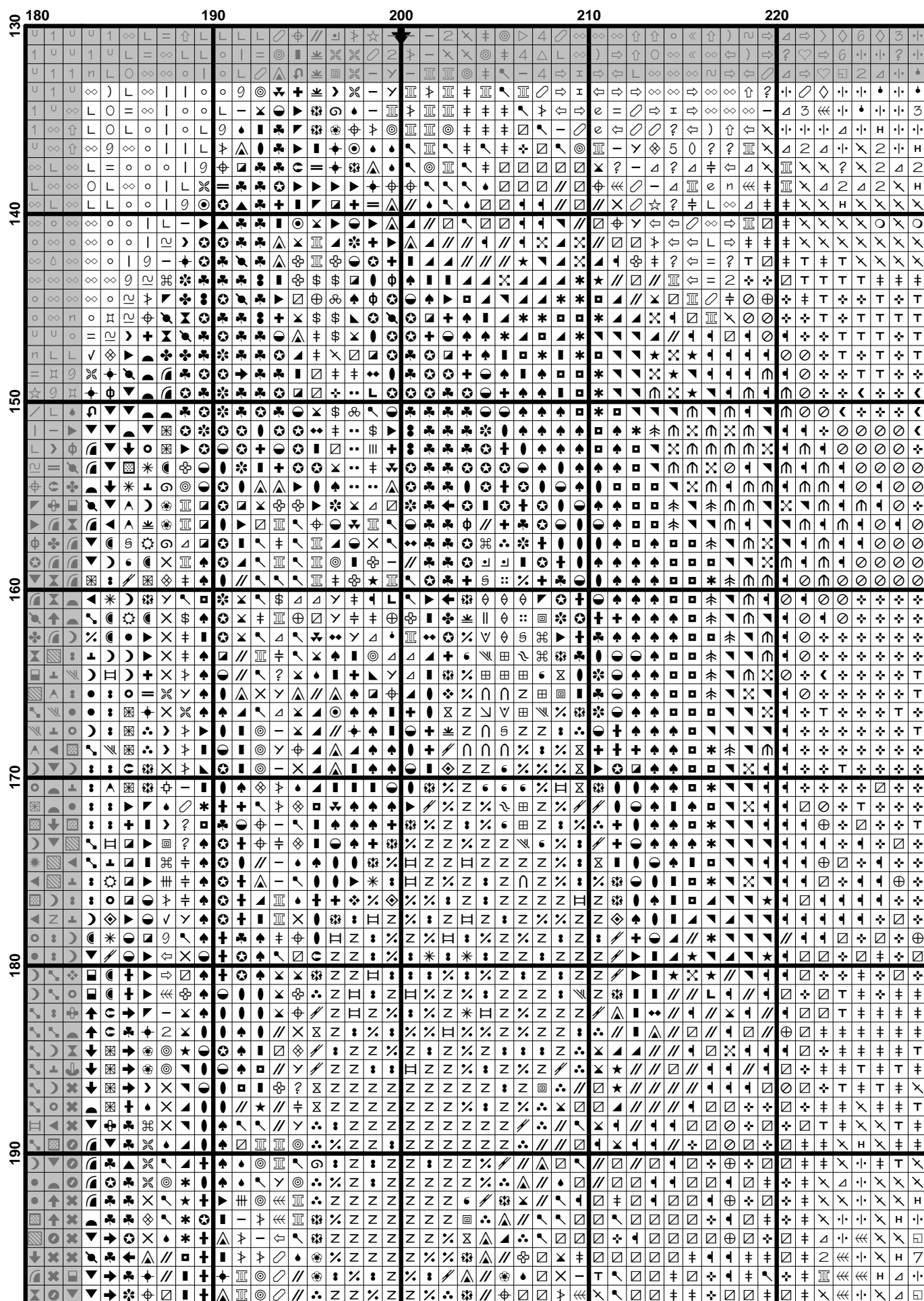




	50	60	70	80	90
130	☆	☆	☆	☆	☆
140	☆	☆	☆	☆	☆
150	☆	☆	☆	☆	☆
160	☆	☆	☆	☆	☆
170	☆	☆	☆	☆	☆
180	☆	☆	☆	☆	☆
190	☆	☆	☆	☆	☆

	90	100	110	120	130
130	90	100	110	120	130
140	140	150	160	170	180
150	150	160	170	180	190
160	160	170	180	190	
170	170	180	190		
180	180	190			
190	190				

$$(31) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{f^{(k)}(0)}{k!} s^k \right) ds$$



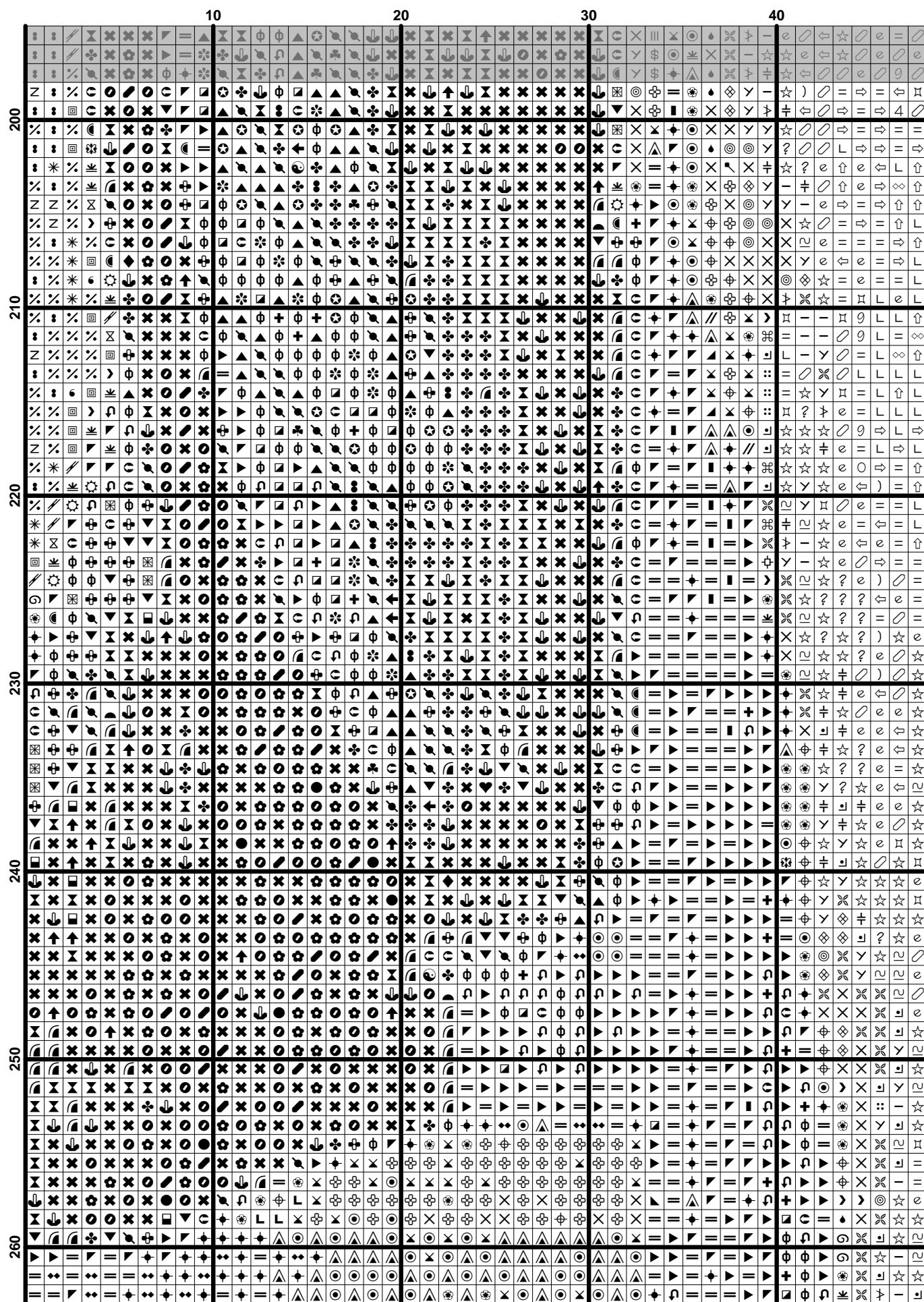
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140	u	u	u	u	u	u
150	u	u	u	u	u	u
160	u	u	u	u	u	u
170	u	u	u	u	u	u
180	u	u	u	u	u	u
190	u	u	u	u	u	u
200	u	u	u	u	u	u
210	u	u	u	u	u	u
220	u	u	u	u	u	u
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750	u	u	u	u	u	u
760	u	u	u	u	u	u
770	u	u	u	u	u	u
780	u	u	u	u	u	u
790	u	u	u	u	u	u
800	u	u	u	u	u	u
810	u	u	u	u	u	u
820	u	u	u	u	u	u
830	u	u	u	u	u	u
840	u	u	u	u	u	u
850	u	u	u	u	u	u
860	u	u	u	u	u	u
870	u	u	u	u	u	u
880	u	u	u	u	u	u
890	u	u	u	u	u	u
900	u	u	u	u	u	u
910	u	u	u	u	u	u
920	u	u	u	u	u	u
930	u	u	u	u	u	u
940	u	u	u	u	u	u
950	u	u	u	u	u	u
960	u	u	u	u	u	u
970	u	u	u	u	u	u
980	u	u	u	u	u	u
990	u	u	u	u	u	u
1000	u	u	u	u	u	u

[illegible]

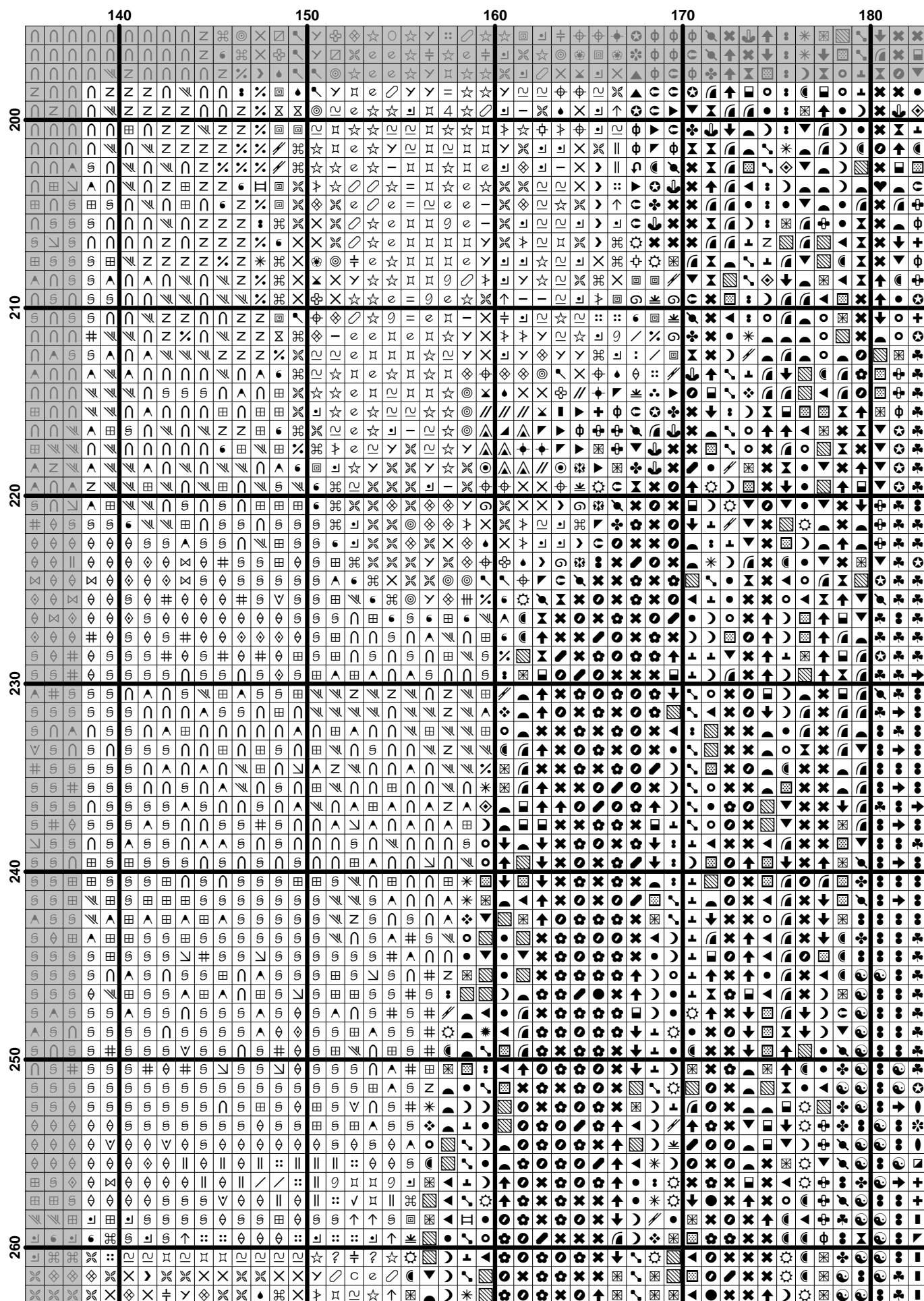
(36)





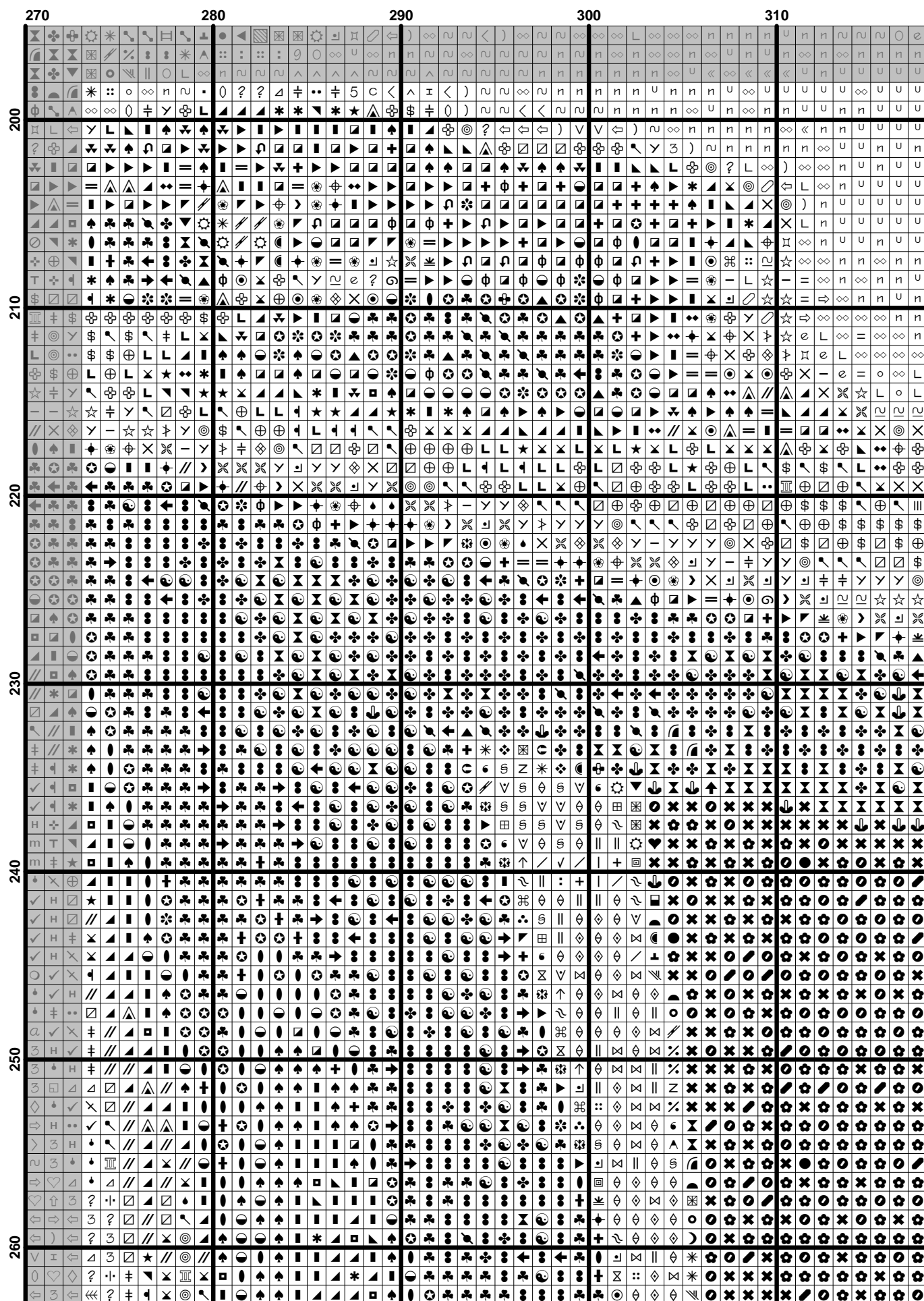
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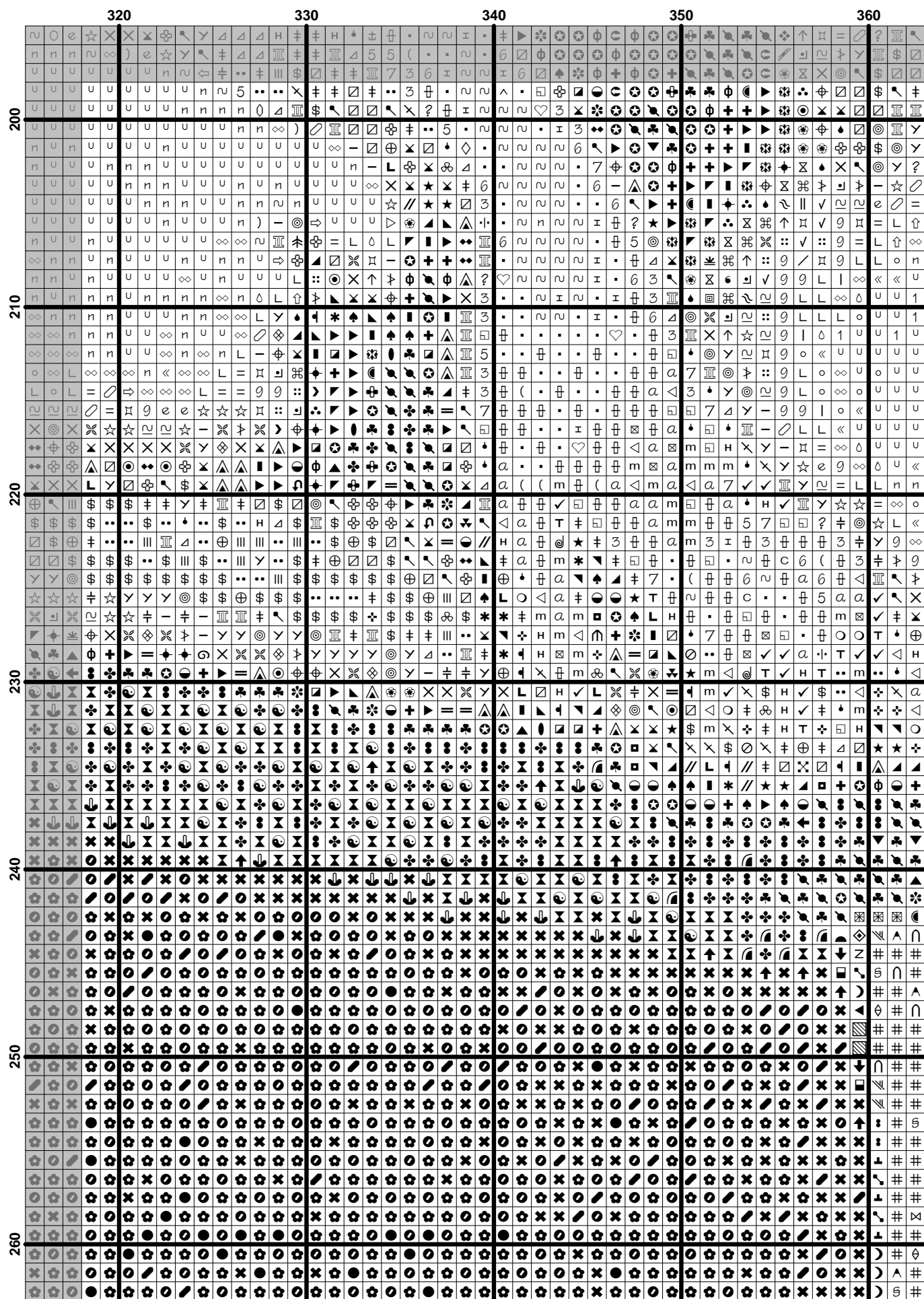
$$(39) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} \left( \sum_{k=0}^\infty \frac{(t-s)^k}{k!} f^{(k)}(s) \right) ds$$



	180	190	200	210	220
200	↓	↑	↓	↑	↓
210	↑	↓	↑	↓	↑
220	↓	↑	↓	↑	↓
230	↑	↓	↑	↓	↑
240	↓	↑	↓	↑	↓
250	↑	↓	↑	↓	↑
260	↓	↑	↓	↑	↓

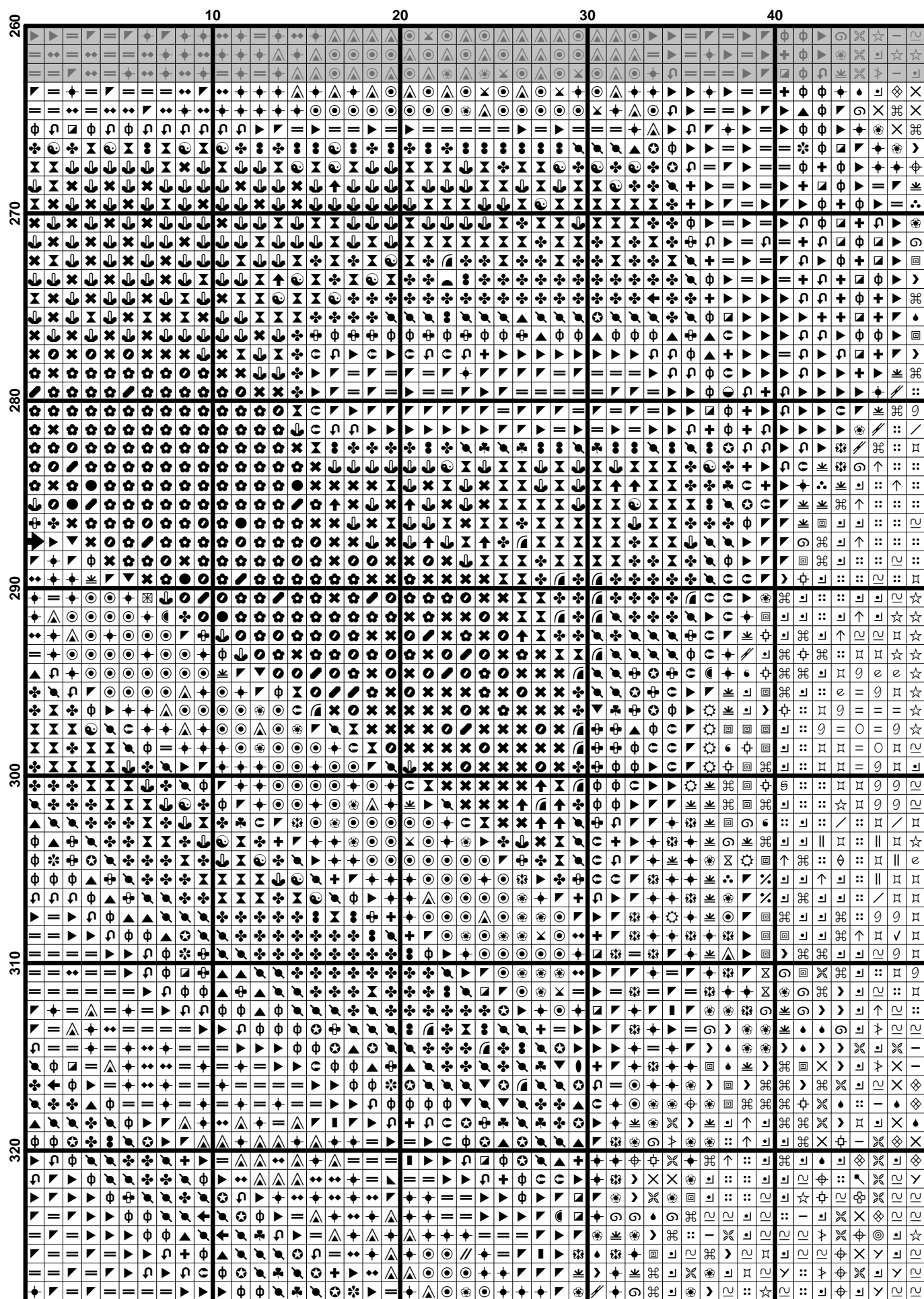
[illegible]





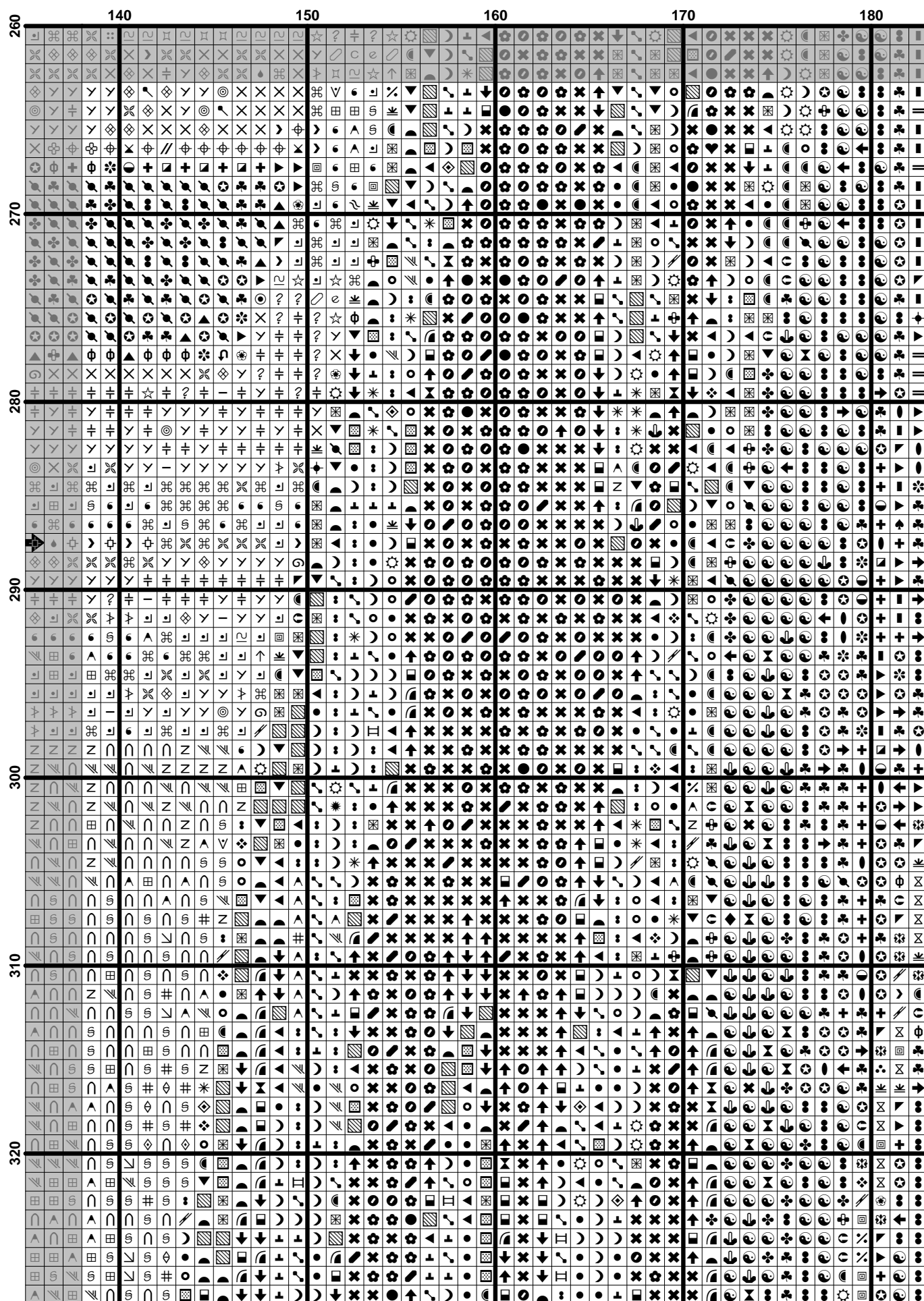


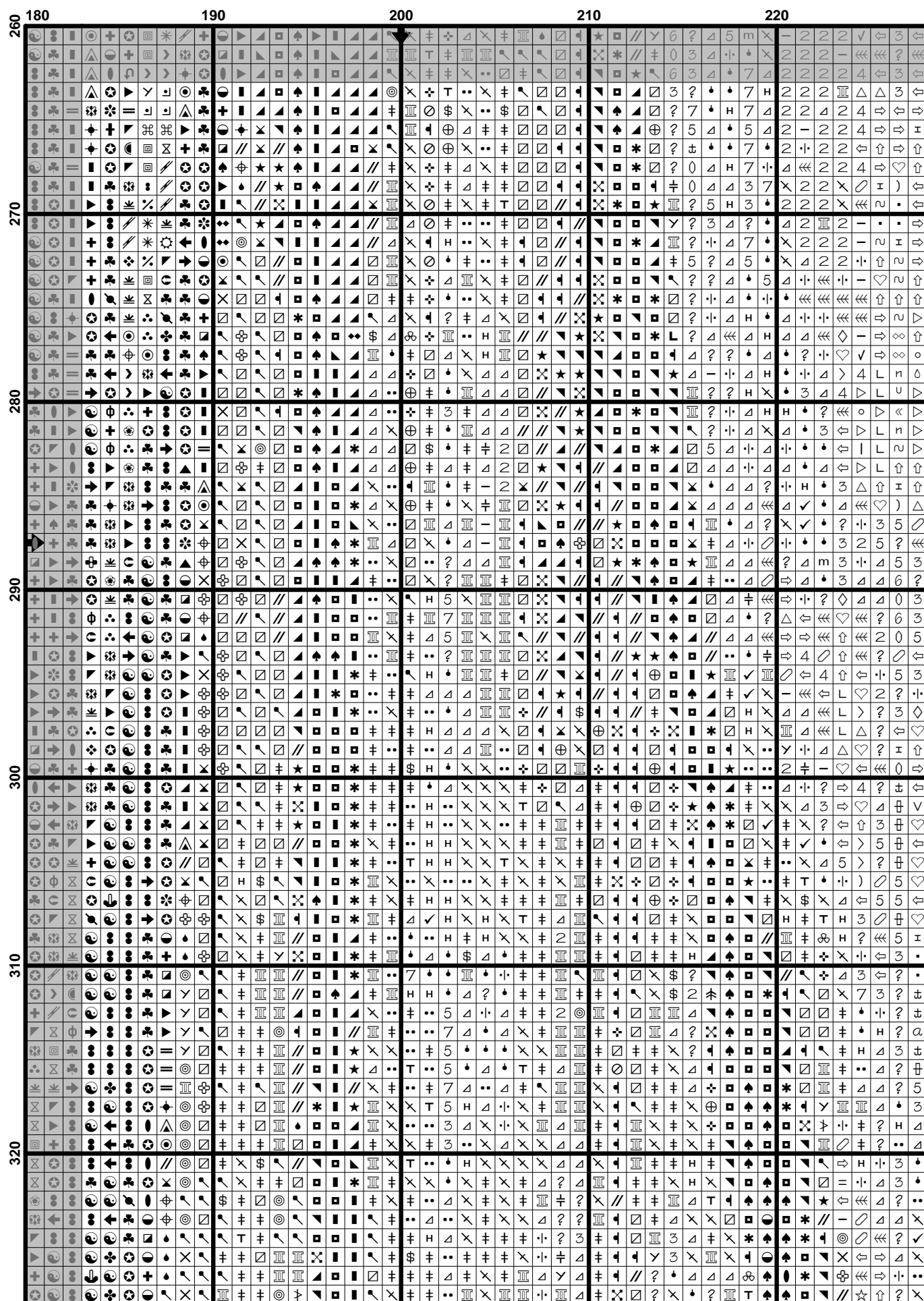
(45)



$$(47) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

	90	100	110	120	130
260	90	100	110	120	130
270	270				
280	280				
290	290				
300	300				
310	310				
320	320				

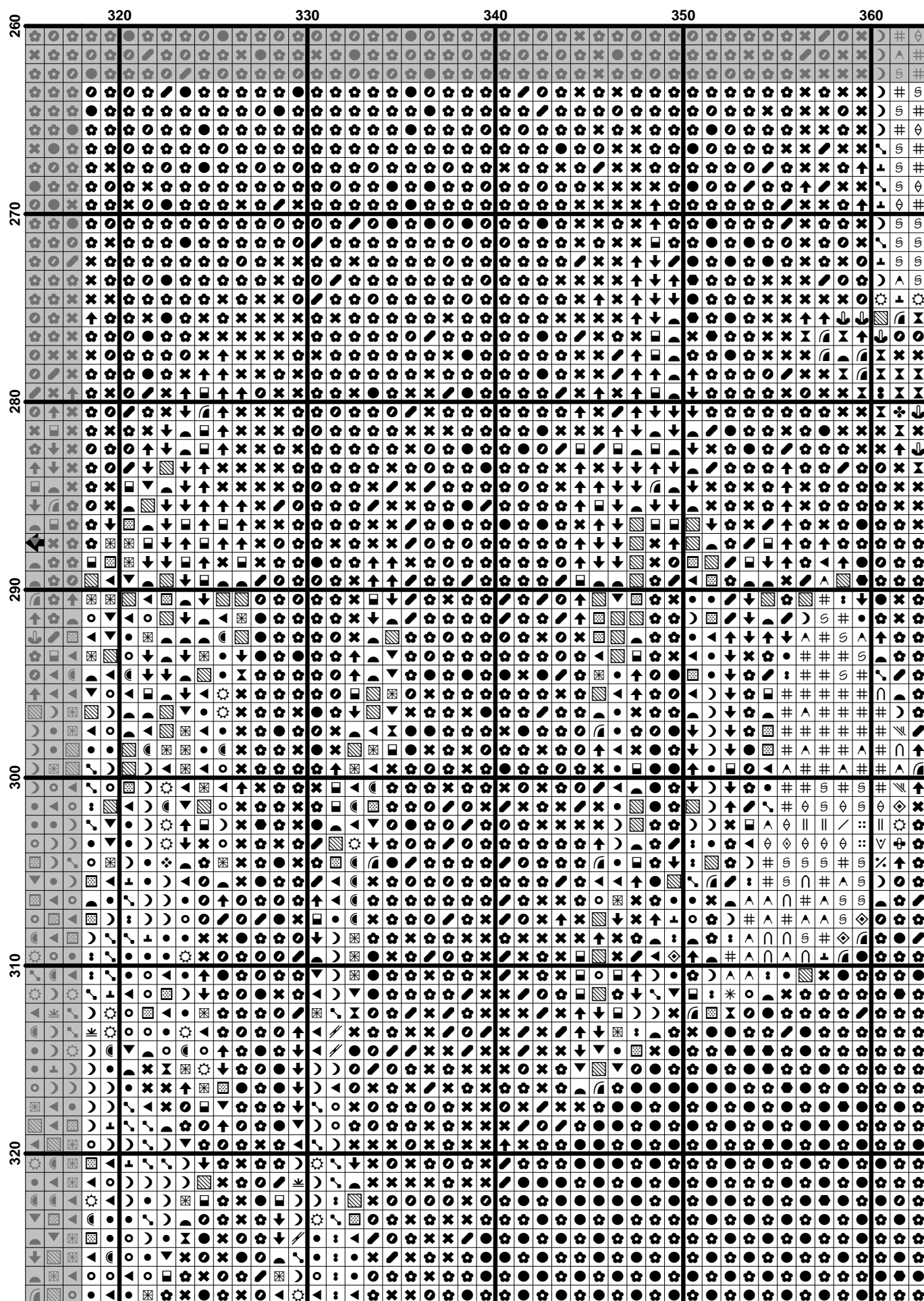


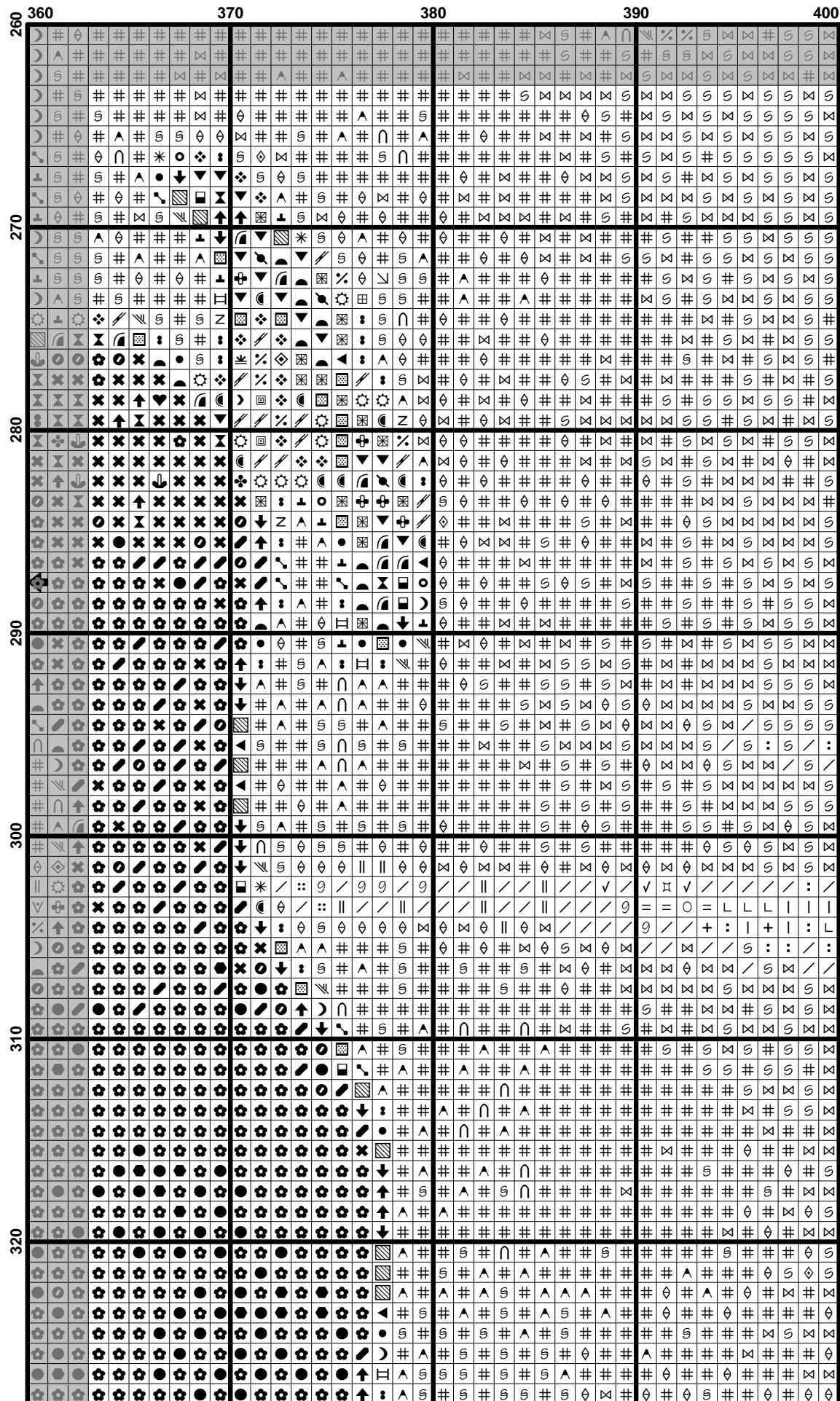


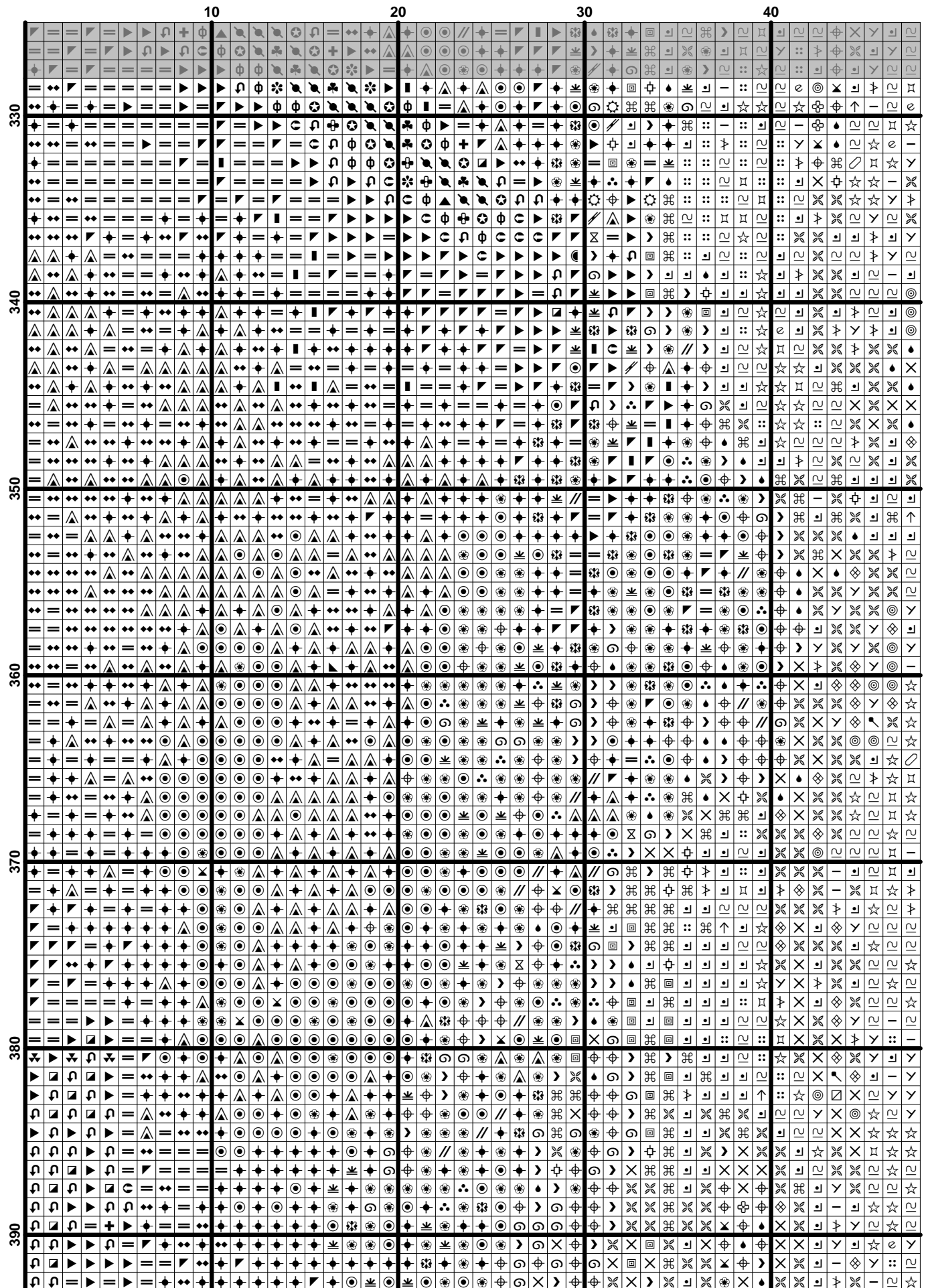
$$(51) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$





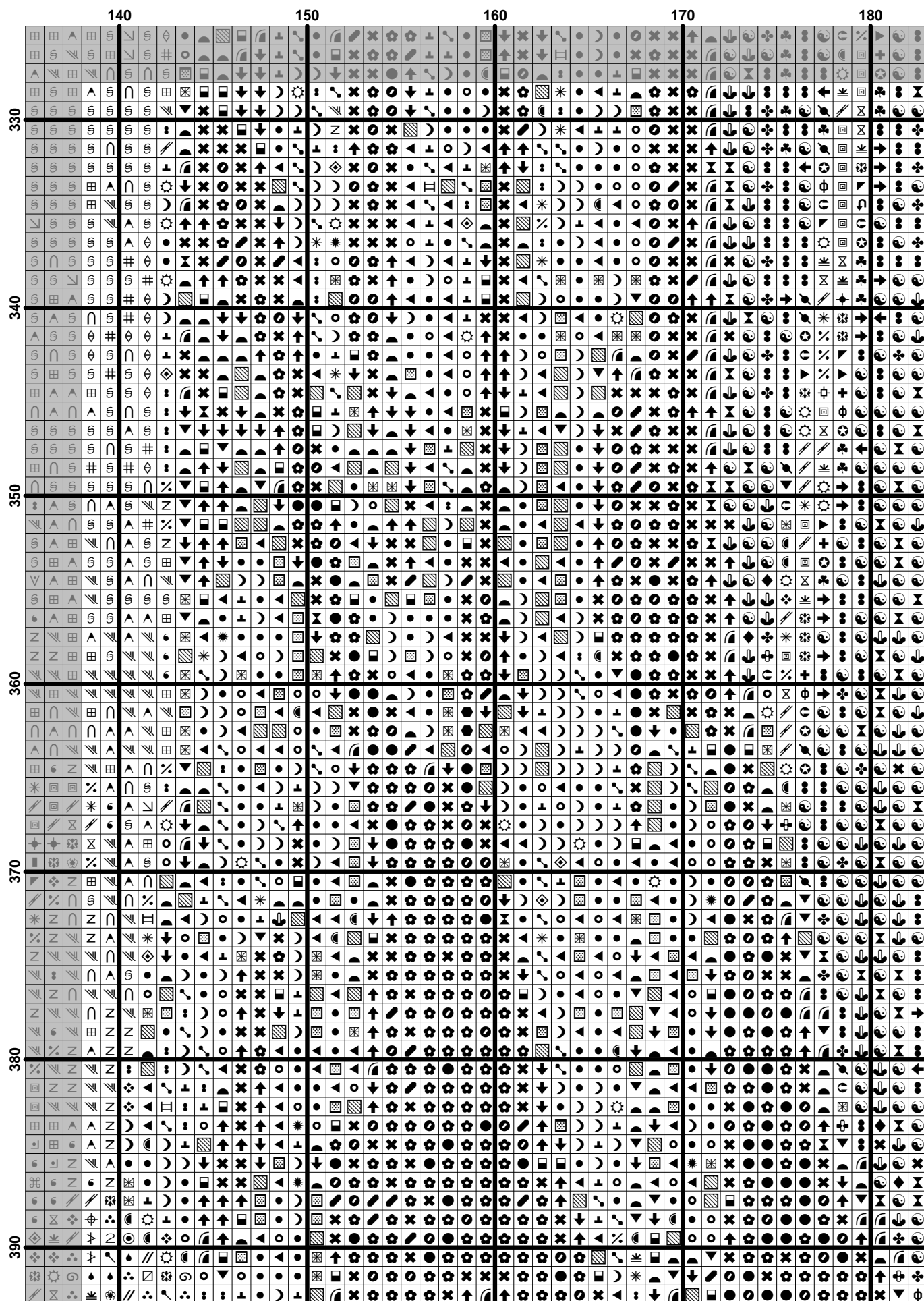


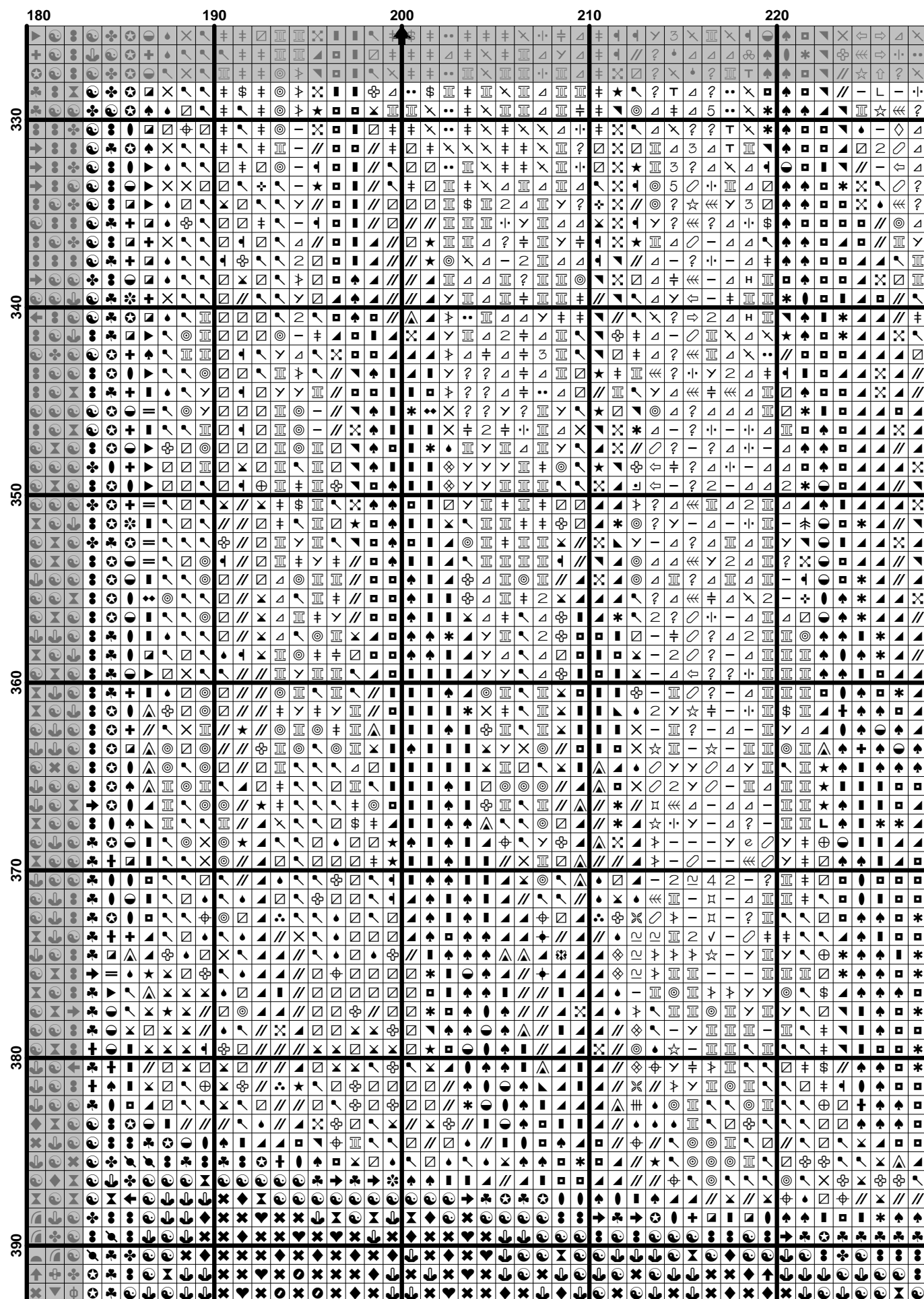


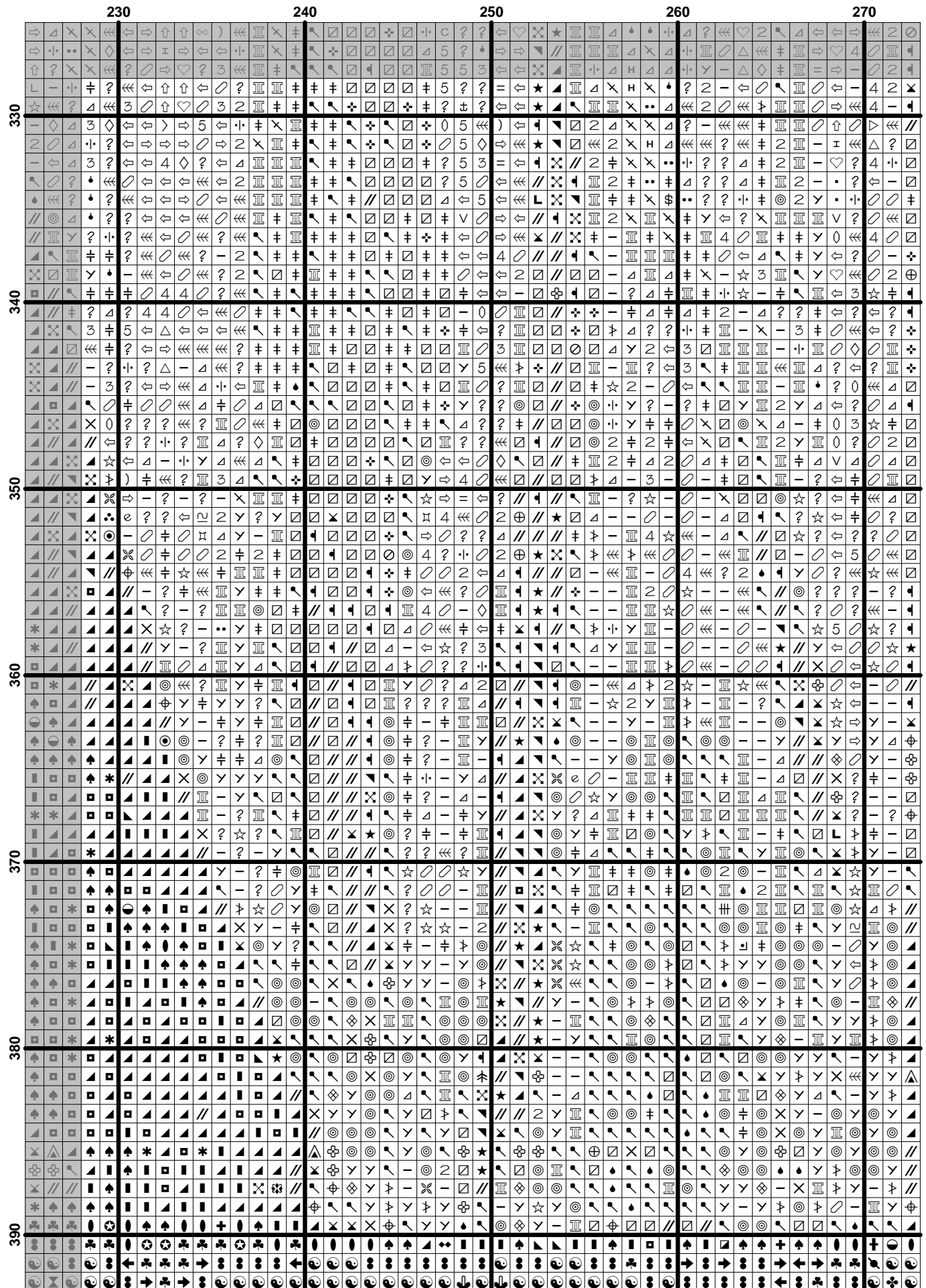


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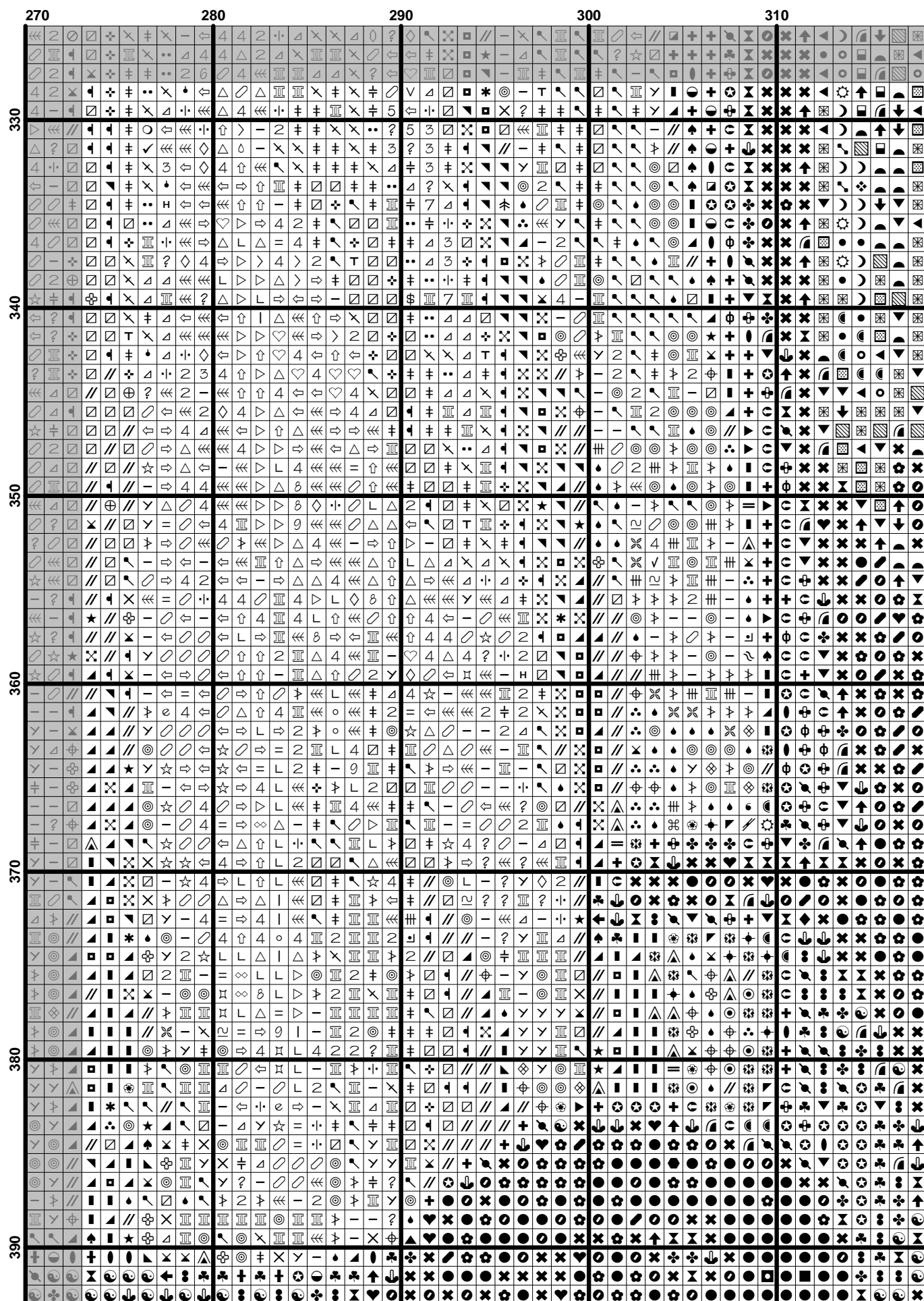
	90	100	110	120	130
330					
340					
350					
360					
370					
380					
390					

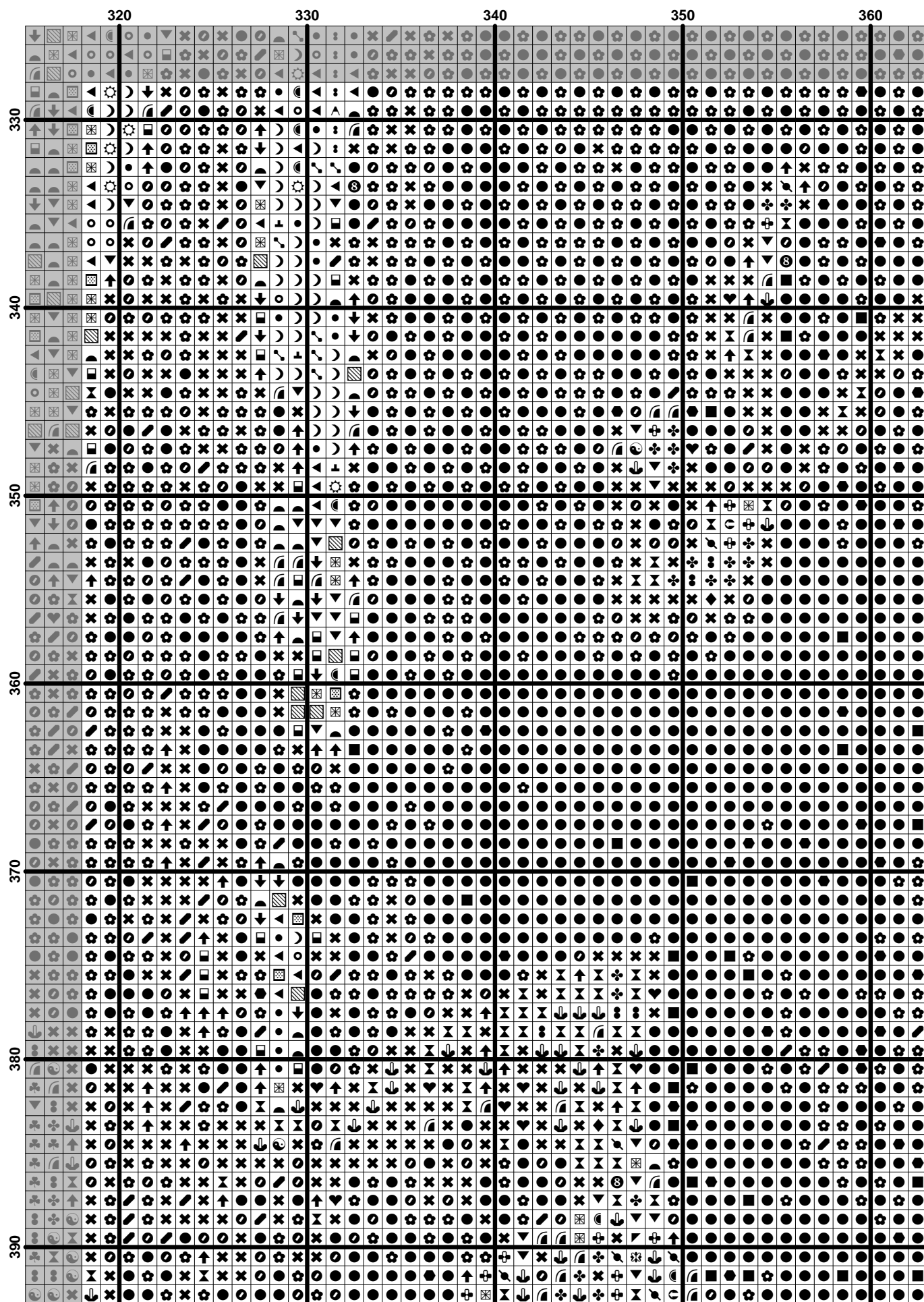


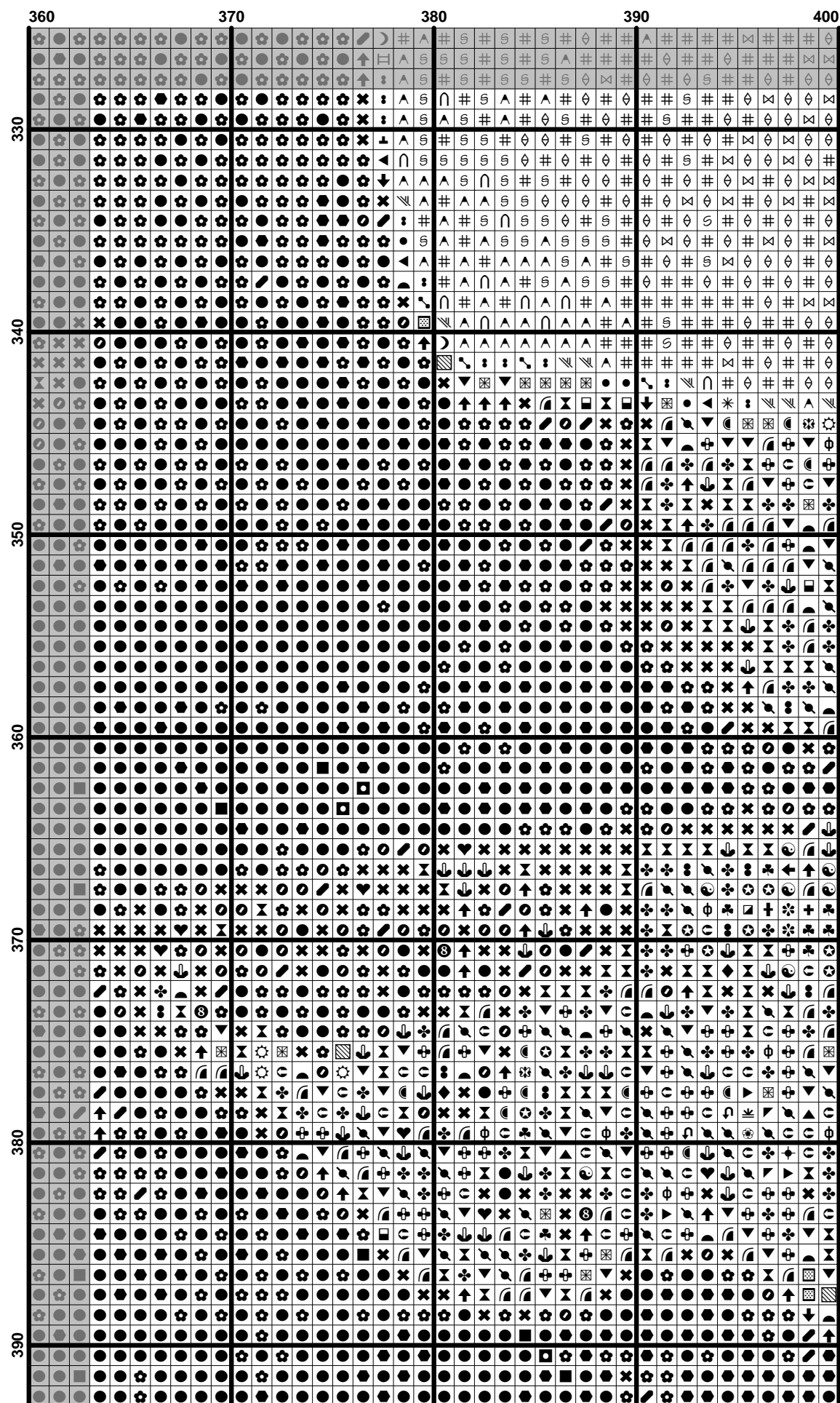


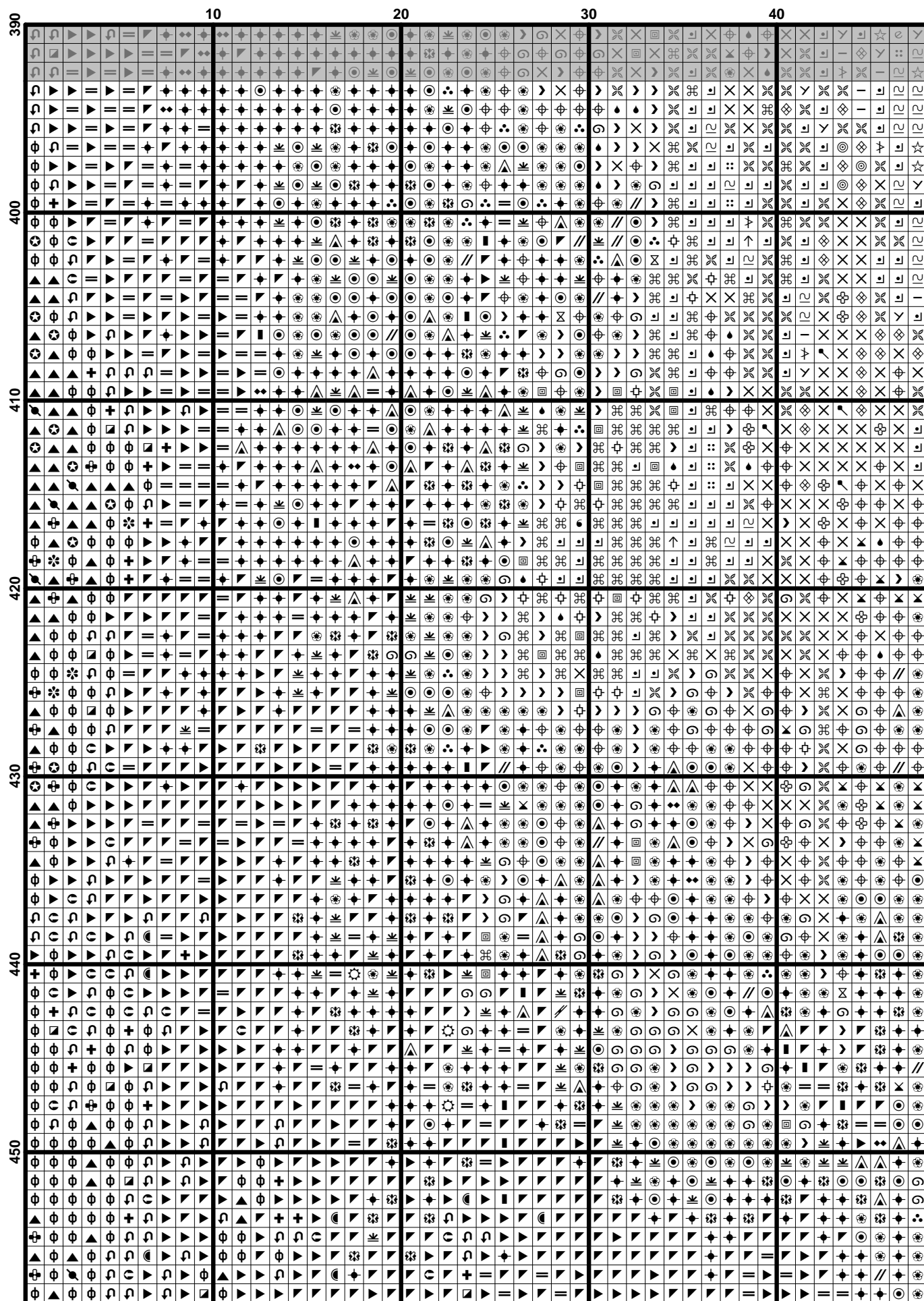












[illegible]

