

1648 Horace and Lydia



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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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Horace and Lydia

Stitch Count	
Horizontal:	500
Vertical:	390

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:	91	35,67	71	27,8	80	31,21	62	24,32	71	27,75	55	21,625
Including Margins:	107	42	87	34	96	38	78	31	87	34	71	28
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	127	49,93	99	38,92	106	41,61	82	32,43	53	20,8	41	16,21
Including Margins:	143	56	115	45	122	48	98	39	69	27	57	23
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	50	19,97	39	15,56	49	19,2	38	14,96	47	18,49	36	14,41
Including Margins:	66	26	55	22	65	26	54	21	63	25	52	21
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	45	17,83	35	13,9	42	16,64	33	12,97	39	15,6	31	12,16
Including Margins:	61	24	51	20	58	23	49	19	55	22	47	19

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
◀	300	Mahogany-VY DK
◀	301	Mahogany-MD
■	310	Black
//	317	Pewter Gray
=	371	Mustard
□	407	Desert Sand-DK
▶	413	Pewter Gray-DK
≡	414	Steel Gray-DK
◀	420	Hazelnut Brown-DK
▼	433	Brown-MD
⊥	451	Shell Gray-DK
⊥	452	Shell Gray-MD
↖	453	Shell Gray-LT
⊕	520	Fern Green-DK
⊕	523	Fern Green-LT
⊕	524	Fern Green-VY LT
⊕	543	Beige Brown-UL VY LT
⊕	610	Drab Brown-DK
⊕	611	Drab Brown
∨	613	Drab Brown-VY LT
▲	632	Desert Sand-UL VY DK
**	642	Beige Gray-DK
L	645	Beaver Gray-VY DK
⊕	646	Beaver Gray-DK
⊕	647	Beaver Gray-MD
⊕	712	Cream
*	730	Olive Green-VY DK
⊕	738	Tan-VY LT
□	739	Tan-UL VY LT
«	746	Off White
β	758	Terra Cotta-VY LT
(822	Beige Gray-LT
✱	839	Beige Brown-DK
∨	841	Beige Brown-LT
⊕	844	Beaver Brown-UL DK
■	924	Gray Green--VY DK
⊕	926	Gray Green-MD
m	927	Gray Green-LT
c	928	Gray Green-VY LT
⊕	931	Antique Blue-MD
+	932	Antique Blue-LT
●	938	Coffee Brown-UL DK
■	939	Navy Blue-VY DK
∞	948	Peach-VY LT
▷	950	Desert Sand-LT
^	951	Tawny-LT
◀	975	Golden Brown-DK
↖	976	Golden Brown-MD
?	977	Golden Brown-LT
⊕	3011	Khaki Green-DK
✱	3021	Brown Gray-VY DK
^	3022	Brown Gray-MD
◀	3023	Brown Gray-LT

‡	3032	Mocha Brown-MD
•	3033	Mocha Brown-VY LT
☐	3051	Green Gray-DK
☐	3052	Green Gray-MD
	3053	Green Gray
△	3064	Desert Sand
	3072	Beaver Gray-VY LT
↔	3348	Yellow Green-LT
●	3371	Black Brown
:	3752	Antique Blue-VY LT
◊	3770	Tawny-VY LT
☐	3772	Desert Sand-VY DK
✓	3782	Mocha Brown-LT
☐	3787	Brown Gray-DK
☐	3799	Pewter Gray-VY DK
⊕	3826	Golden Brown
◊	3827	Golden Brown-Pale
✓	3828	Hazelnut Brown
✂	3830	Terra Cotta-MD
♡	3856	Mahogany-UL VY LT
✓	3861	Cocoa-LT
⊕	3862	Mocha Beige-DK
•	3863	Mocha Beige-MD
☐	3864	Mocha Beige-LT
1	3865	Winter White
◊	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
U	1	White 1	746	Off White
☐	223	Shell Pink-LT	356	Terra Cotta-MD
✂	223	Shell Pink-LT	370	Mustard-MD
☐	223	Shell Pink-LT	3828	Hazelnut Brown
↔	224	Shell Pink-VY LT	613	Drab Brown-VY LT
♣	300	Mahogany-VY DK	400	Mahogany-DK
✂	300	Mahogany-VY DK	898	Coffee Brown-VY DK
➔	300	Mahogany-VY DK	935	Avocado Green-DK
◆	300	Mahogany-VY DK	938	Coffee Brown-UL DK
☐	300	Mahogany-VY DK	3051	Green Gray-DK
♥	300	Mahogany-VY DK	3371	Black Brown
☐	301	Mahogany-MD	420	Hazelnut Brown-DK
⋮	301	Mahogany-MD	435	Brown-VY LT
♣	301	Mahogany-MD	975	Golden Brown-DK
✂	301	Mahogany-MD	3721	Shell Pink-DK
☐	301	Mahogany-MD	3772	Desert Sand-VY DK
✂	301	Mahogany-MD	3830	Terra Cotta-MD
●	310	Black	500	Blue Green-VY DK
Φ	311	Navy Blue-MD	3809	Turquoise-VY DK
⊕	356	Terra Cotta-MD	436	Tan
↘	356	Terra Cotta-MD	3828	Hazelnut Brown
—	372	Mustard-LT	407	Desert Sand-DK
5	372	Mustard-LT	758	Terra Cotta-VY LT
::	372	Mustard-LT	841	Beige Brown-LT

■	400	Mahogany-DK	975	Golden Brown-DK
a	402	Mahogany-VY LT	3827	Golden Brown-Pale
◁	407	Desert Sand-DK	758	Terra Cotta-VY LT
◎	407	Desert Sand-DK	3772	Desert Sand-VY DK
5	407	Desert Sand-DK	3782	Mocha Brown-LT
♦♦	413	Pewter Gray-DK	645	Beaver Gray-VY DK
II	414	Steel Gray-DK	647	Beaver Gray-MD
◇	414	Steel Gray-DK	3861	Cocoa-LT
3	415	Pearl Gray	932	Antique Blue-LT
⬆	420	Hazelnut Brown-DK	869	Hazelnut Brown-VY DK
◇	420	Hazelnut Brown-DK	3721	Shell Pink-DK
⊕	420	Hazelnut Brown-DK	3862	Mocha Beige-DK
✱	434	Brown-LT	975	Golden Brown-DK
..	436	Tan	3776	Mahogany-LT
ϕ	436	Tan	3778	Terra Cotta-LT
∪	436	Tan	3827	Golden Brown-Pale
9	437	Tan-LT	758	Terra Cotta-VY LT
☆	437	Tan-LT	3064	Desert Sand
/	452	Shell Gray-MD	842	Beige Brown-VY LT
7	452	Shell Gray-MD	927	Gray Green-LT
◇	452	Shell Gray-MD	928	Gray Green-VY LT
)	453	Shell Gray-LT	543	Beige Brown-UL VY LT
Ⓟ	501	Blue Green-DK	844	Beaver Brown-UL DK
Ⓢ	501	Blue Green-DK	3362	Pine Green-DK
●	501	Blue Green-DK	3768	Gray Green-DK
⚡	501	Blue Green-DK	3787	Brown Gray-DK
⬆	501	Blue Green-DK	3799	Pewter Gray-VY DK
III	503	Blue Green-MD	3861	Cocoa-LT
▨	520	Fern Green-DK	844	Beaver Brown-UL DK
Ⓢ	520	Fern Green-DK	935	Avocado Green-DK
⬆	520	Fern Green-DK	3799	Pewter Gray-VY DK
4	524	Fern Green-VY LT	738	Tan-VY LT
6	524	Fern Green-VY LT	842	Beige Brown-VY LT
⌘	524	Fern Green-VY LT	3864	Mocha Beige-LT
z	535	Ash Gray-VY LT	646	Beaver Gray-DK
◎	535	Ash Gray-VY LT	926	Gray Green-MD
⊕	535	Ash Gray-VY LT	3799	Pewter Gray-VY DK
■	610	Drab Brown-DK	801	Coffee Brown-DK
▼	610	Drab Brown-DK	3787	Brown Gray-DK
∴	611	Drab Brown	3787	Brown Gray-DK
✱	632	Desert Sand-UL VY DK	839	Beige Brown-DK
✱	632	Desert Sand-UL VY DK	3862	Mocha Beige-DK
≡	640	Beige Gray-VY DK	642	Beige Gray-DK
↘	640	Beige Gray-VY DK	646	Beaver Gray-DK
*	640	Beige Gray-VY DK	3860	Cocoa
➤	645	Beaver Gray-VY DK	3363	Pine Green-MD
▲	645	Beaver Gray-VY DK	3768	Gray Green-DK
★	645	Beaver Gray-VY DK	3787	Brown Gray-DK
Ⓢ	645	Beaver Gray-VY DK	3860	Cocoa
×	646	Beaver Gray-DK	926	Gray Green-MD
⊕	646	Beaver Gray-DK	3860	Cocoa
○	647	Beaver Gray-MD	3861	Cocoa-LT
L	648	Beaver Gray-LT	950	Desert Sand-LT
△	738	Tan-VY LT	758	Terra Cotta-VY LT
>	739	Tan-UL VY LT	754	Peach-LT
<	739	Tan-UL VY LT	950	Desert Sand-LT
○	758	Terra Cotta-VY LT	950	Desert Sand-LT
~	762	Pearl Gray-VY LT	819	Baby Pink-LT
↑	822	Beige Gray-LT	951	Tawny-LT

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☒	829	Golden Olive-VY DK	975	Golden Brown-DK
+	829	Golden Olive-VY DK	3051	Green Gray-DK
✕	838	Beige Brown-VY DK	935	Avocado Green-DK
↑	838	Beige Brown-VY DK	3799	Pewter Gray-VY DK
●	839	Beige Brown-DK	844	Beaver Brown-UL DK
●	839	Beige Brown-DK	3051	Green Gray-DK
♣	839	Beige Brown-DK	3362	Pine Green-DK
○	839	Beige Brown-DK	3787	Brown Gray-DK
▀	839	Beige Brown-DK	3862	Mocha Beige-DK
▣	840	Beige Brown-MD	3772	Desert Sand-VY DK
↑	841	Beige Brown-LT	3064	Desert Sand
▣	841	Beige Brown-LT	3864	Mocha Beige-LT
▣	844	Beaver Brown-UL DK	3362	Pine Green-DK
▲	924	Gray Green--VY DK	3768	Gray Green-DK
⊖	926	Gray Green-MD	927	Gray Green-LT
⊖	931	Antique Blue-MD	932	Antique Blue-LT
●	934	Black Avocado Green	3799	Pewter Gray-VY DK
↓	935	Avocado Green-DK	3799	Pewter Gray-VY DK
⊖	938	Coffee Brown-UL DK	3371	Black Brown
⊖	950	Desert Sand-LT	3864	Mocha Beige-LT
=	975	Golden Brown-DK	3721	Shell Pink-DK
⌒	977	Golden Brown-LT	3776	Mahogany-LT
+	977	Golden Brown-LT	3828	Hazelnut Brown
⊖	3011	Khaki Green-DK	3362	Pine Green-DK
+	3021	Brown Gray-VY DK	3051	Green Gray-DK
⊖	3021	Brown Gray-VY DK	3799	Pewter Gray-VY DK
∩	3032	Mocha Brown-MD	3790	Beige Gray-UL DK
×	3052	Green Gray-MD	3364	Pine Green
⊖	3363	Pine Green-MD	3787	Brown Gray-DK
⊖	3371	Black Brown	3799	Pewter Gray-VY DK
↘	3721	Shell Pink-DK	3772	Desert Sand-VY DK
❖	3721	Shell Pink-DK	3862	Mocha Beige-DK
▲	3768	Gray Green-DK	3848	Teal Green-MD
⊖	3772	Desert Sand-VY DK	3828	Hazelnut Brown
⌒	3772	Desert Sand-VY DK	3830	Terra Cotta-MD
#	3776	Mahogany-LT	3828	Hazelnut Brown
◇	3778	Terra Cotta-LT	3828	Hazelnut Brown
\$	3828	Hazelnut Brown	3830	Terra Cotta-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	
1	White 1	303	119	288	113	260	102
223	Shell Pink-LT	146	57	139	54	125	49
224	Shell Pink-VY LT	150	59	143	56	129	50
300	Mahogany-VY DK	989	389	942	370	847	333
301	Mahogany-MD	602	237	573	225	516	203
310	Black	3837	1510	3655	1438	3289	1294
311	Navy Blue-MD	6	2	6	2	5	1
317	Pewter Gray	80	31	76	29	68	26
356	Terra Cotta-MD	75	29	72	28	65	25
370	Mustard-MD	80	31	76	29	68	26
371	Mustard	145	57	138	54	124	48
372	Mustard-LT	521	205	496	195	446	175
400	Mahogany-DK	223	87	212	83	191	75
402	Mahogany-VY LT	22	8	21	8	19	7
407	Desert Sand-DK	272	107	259	101	233	91
413	Pewter Gray-DK	496	195	472	185	425	167
414	Steel Gray-DK	261	102	248	97	224	88
415	Pearl Gray	8	3	8	3	7	2
420	Hazelnut Brown-DK	456	179	434	170	391	153
433	Brown-MD	443	174	422	166	380	149
434	Brown-LT	135	53	129	50	116	45
435	Brown-VY LT	62	24	59	23	53	20
436	Tan	130	51	124	48	112	44
437	Tan-LT	92	36	88	34	79	31
451	Shell Gray-DK	347	136	331	130	298	117
452	Shell Gray-MD	726	285	691	272	622	244
453	Shell Gray-LT	711	279	677	266	609	239
500	Blue Green-VY DK	128	50	122	48	110	43
501	Blue Green-DK	734	288	699	275	629	247
503	Blue Green-MD	126	49	120	47	108	42
520	Fern Green-DK	553	217	526	207	474	186
523	Fern Green-LT	74	29	70	27	63	24
524	Fern Green-VY LT	707	278	673	264	606	238
535	Ash Gray-VY LT	532	209	507	199	456	179
543	Beige Brown-UL VY LT	632	248	602	237	542	213
610	Drab Brown-DK	373	146	355	139	320	125
611	Drab Brown	328	129	313	123	281	110
613	Drab Brown-VY LT	398	156	379	149	341	134
632	Desert Sand-UL VY DK	545	214	519	204	467	183
640	Beige Gray-VY DK	758	298	722	284	649	255
642	Beige Gray-DK	933	367	889	350	800	314
645	Beaver Gray-VY DK	1142	449	1087	427	978	385
646	Beaver Gray-DK	1194	470	1137	447	1023	402
647	Beaver Gray-MD	1016	400	967	380	870	342
648	Beaver Gray-LT	345	135	329	129	296	116
712	Cream	452	177	430	169	387	152
730	Olive Green-VY DK	33	12	31	12	28	11
738	Tan-VY LT	273	107	260	102	234	92
739	Tan-UL VY LT	287	112	274	107	246	96
746	Off White	861	338	820	322	738	290
754	Peach-LT	58	22	55	21	49	19
758	Terra Cotta-VY LT	262	103	249	98	224	88
762	Pearl Gray-VY LT	109	42	103	40	93	36

801	Coffee Brown-DK	112	44	107	42	96	37
819	Baby Pink-LT	109	42	103	40	93	36
822	Beige Gray-LT	690	271	657	258	591	232
829	Golden Olive-VY DK	191	75	181	71	163	64
838	Beige Brown-VY DK	196	77	187	73	168	66
839	Beige Brown-DK	1011	398	963	379	866	340
840	Beige Brown-MD	68	26	64	25	58	22
841	Beige Brown-LT	2165	852	2062	811	1856	730
842	Beige Brown-VY LT	415	163	395	155	356	140
844	Beaver Brown-UL DK	1080	425	1028	404	925	364
869	Hazelnut Brown-VY DK	75	29	71	27	64	25
898	Coffee Brown-VY DK	104	40	99	38	89	35
924	Gray Green--VY DK	166	65	158	62	142	55
926	Gray Green-MD	516	203	492	193	442	174
927	Gray Green-LT	277	109	264	103	238	93
928	Gray Green-VY LT	238	93	226	88	204	80
931	Antique Blue-MD	31	12	30	11	27	10
932	Antique Blue-LT	36	14	34	13	30	11
934	Black Avocado Green	176	69	167	65	151	59
935	Avocado Green-DK	454	178	433	170	389	153
938	Coffee Brown-UL DK	221	87	211	83	190	74
939	Navy Blue-VY DK	1222	481	1164	458	1047	412
948	Peach-VY LT	475	187	452	177	407	160
950	Desert Sand-LT	939	369	894	351	805	316
951	Tawny-LT	347	136	331	130	298	117
975	Golden Brown-DK	828	325	789	310	710	279
976	Golden Brown-MD	13	5	13	5	11	4
977	Golden Brown-LT	104	40	99	38	89	35
3011	Khaki Green-DK	274	107	261	102	235	92
3021	Brown Gray-VY DK	805	316	766	301	690	271
3022	Brown Gray-MD	415	163	395	155	356	140
3023	Brown Gray-LT	617	242	587	231	529	208
3032	Mocha Brown-MD	1415	557	1348	530	1213	477
3033	Mocha Brown-VY LT	75	29	71	27	64	25
3051	Green Gray-DK	640	251	610	240	549	216
3052	Green Gray-MD	530	208	504	198	454	178
3053	Green Gray	211	83	201	79	181	71
3064	Desert Sand	259	101	247	97	222	87
3072	Beaver Gray-VY LT	189	74	180	70	162	63
3348	Yellow Green-LT	24	9	23	9	20	7
3362	Pine Green-DK	528	207	503	198	453	178
3363	Pine Green-MD	419	164	399	157	359	141
3364	Pine Green	148	58	141	55	127	50
3371	Black Brown	451	177	430	169	387	152
3721	Shell Pink-DK	355	139	338	133	304	119
3752	Antique Blue-VY LT	14	5	13	5	12	4
3768	Gray Green-DK	261	102	248	97	224	88
3770	Tawny-VY LT	471	185	449	176	404	159
3772	Desert Sand-VY DK	456	179	435	171	391	153
3776	Mahogany-LT	80	31	76	29	68	26
3778	Terra Cotta-LT	82	32	78	30	70	27
3782	Mocha Brown-LT	646	254	615	242	554	218
3787	Brown Gray-DK	1856	730	1768	696	1591	626
3790	Beige Gray-UL DK	212	83	202	79	182	71
3799	Pewter Gray-VY DK	1454	572	1385	545	1247	490
3809	Turquoise-VY DK	6	2	6	2	5	1
3826	Golden Brown	43	16	41	16	37	14
3827	Golden Brown-Pale	113	44	108	42	97	38
3828	Hazelnut Brown	536	211	510	200	459	180

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3830	Terra Cotta-MD	169	66	161	63	145	57
3848	Teal Green-MD	12	4	12	4	10	3
3856	Mahogany-UL VY LT	12	4	12	4	11	4
3860	Cocoa	540	212	514	202	463	182
3861	Cocoa-LT	800	314	762	300	686	270
3862	Mocha Beige-DK	542	213	516	203	465	183
3863	Mocha Beige-MD	169	66	161	63	145	57
3864	Mocha Beige-LT	1322	520	1259	495	1133	446
3865	Winter White	233	91	222	87	200	78
3866	Mocha Brown-UL VY LT	1159	456	1103	434	993	390

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
1	White 1	468	184	390	153	195	77
223	Shell Pink-LT	225	88	188	74	94	37
224	Shell Pink-VY LT	232	90	194	75	97	38
300	Mahogany-VY DK	1525	599	1271	500	635	250
301	Mahogany-MD	929	365	774	305	387	152
310	Black	5920	2329	4934	1941	2467	971
311	Navy Blue-MD	9	2	8	2	4	1
317	Pewter Gray	122	47	102	39	51	20
356	Terra Cotta-MD	117	45	98	38	49	19
370	Mustard-MD	122	47	102	39	51	20
371	Mustard	223	86	186	72	93	36
372	Mustard-LT	803	315	669	263	335	131
400	Mahogany-DK	344	135	287	113	143	56
402	Mahogany-VY LT	34	13	29	11	14	5
407	Desert Sand-DK	419	164	350	137	175	68
413	Pewter Gray-DK	765	301	638	251	319	125
414	Steel Gray-DK	403	158	336	132	168	66
415	Pearl Gray	13	4	11	3	5	2
420	Hazelnut Brown-DK	704	275	587	230	293	115
433	Brown-MD	684	268	570	224	285	112
434	Brown-LT	209	81	174	68	87	34
435	Brown-VY LT	95	36	80	30	40	15
436	Tan	202	79	168	66	84	33
437	Tan-LT	142	56	119	47	59	23
451	Shell Gray-DK	536	211	447	176	224	88
452	Shell Gray-MD	1120	439	933	366	467	183
453	Shell Gray-LT	1096	430	914	359	457	179
500	Blue Green-VY DK	198	77	165	65	83	32
501	Blue Green-DK	1132	445	944	371	472	185
503	Blue Green-MD	194	76	162	63	81	32
520	Fern Green-DK	853	335	711	279	356	140
523	Fern Green-LT	113	43	95	36	47	18
524	Fern Green-VY LT	1091	428	909	357	455	179
535	Ash Gray-VY LT	821	322	684	269	342	134
543	Beige Brown-UL VY LT	976	383	813	320	407	160
610	Drab Brown-DK	576	225	480	188	240	94
611	Drab Brown	506	198	422	165	211	83
613	Drab Brown-VY LT	614	241	512	201	256	101
632	Desert Sand-UL VY DK	841	329	701	275	350	137
640	Beige Gray-VY DK	1168	459	974	383	487	191
642	Beige Gray-DK	1440	565	1200	471	600	236
645	Beaver Gray-VY DK	1760	693	1467	578	734	289

646	Beaver Gray-DK	1841	724	1535	603	767	302
647	Beaver Gray-MD	1566	616	1305	513	653	257
648	Beaver Gray-LT	533	209	444	174	222	87
712	Cream	697	274	581	228	290	114
730	Olive Green-VY DK	50	20	42	17	21	8
738	Tan-VY LT	421	166	351	138	176	69
739	Tan-UL VY LT	443	173	369	144	185	72
746	Off White	1328	522	1107	435	554	218
754	Peach-LT	88	34	74	29	37	14
758	Terra Cotta-VY LT	403	158	336	132	168	66
762	Pearl Gray-VY LT	167	65	140	54	70	27
801	Coffee Brown-DK	173	67	144	56	72	28
819	Baby Pink-LT	167	65	140	54	70	27
822	Beige Gray-LT	1064	418	887	348	443	174
829	Golden Olive-VY DK	293	115	245	96	122	48
838	Beige Brown-VY DK	302	119	252	99	126	50
839	Beige Brown-DK	1559	612	1299	510	650	255
840	Beige Brown-MD	104	40	87	33	44	17
841	Beige Brown-LT	3341	1314	2784	1095	1392	548
842	Beige Brown-VY LT	641	252	534	210	267	105
844	Beaver Brown-UL DK	1665	655	1388	546	694	273
869	Hazelnut Brown-VY DK	115	45	96	38	48	19
898	Coffee Brown-VY DK	160	63	134	53	67	26
924	Gray Green--VY DK	256	99	213	83	107	41
926	Gray Green-MD	796	313	663	261	332	131
927	Gray Green-LT	428	167	357	140	179	70
928	Gray Green-VY LT	367	144	306	120	153	60
931	Antique Blue-MD	49	18	41	15	20	8
932	Antique Blue-LT	54	20	45	17	23	8
934	Black Avocado Green	272	106	227	89	113	44
935	Avocado Green-DK	700	275	584	230	292	115
938	Coffee Brown-UL DK	342	133	285	111	143	56
939	Navy Blue-VY DK	1885	742	1571	618	785	309
948	Peach-VY LT	733	288	611	240	305	120
950	Desert Sand-LT	1449	569	1208	474	604	237
951	Tawny-LT	536	211	447	176	224	88
975	Golden Brown-DK	1278	502	1065	419	533	209
976	Golden Brown-MD	20	7	17	6	8	3
977	Golden Brown-LT	160	63	134	53	67	26
3011	Khaki Green-DK	423	166	353	138	176	69
3021	Brown Gray-VY DK	1242	488	1035	407	518	203
3022	Brown Gray-MD	641	252	534	210	267	105
3023	Brown Gray-LT	952	374	794	312	397	156
3032	Mocha Brown-MD	2183	859	1820	716	910	358
3033	Mocha Brown-VY LT	115	45	96	38	48	19
3051	Green Gray-DK	988	389	824	324	412	162
3052	Green Gray-MD	817	320	681	267	341	134
3053	Green Gray	326	128	272	107	136	53
3064	Desert Sand	400	157	333	131	167	65
3072	Beaver Gray-VY LT	292	113	243	95	122	47
3348	Yellow Green-LT	36	13	30	11	15	5
3362	Pine Green-DK	815	320	680	267	340	134
3363	Pine Green-MD	646	254	539	212	269	106
3364	Pine Green	229	90	191	75	95	38
3371	Black Brown	697	274	581	228	290	114
3721	Shell Pink-DK	547	214	456	179	228	89
3752	Antique Blue-VY LT	22	7	18	6	9	3
3768	Gray Green-DK	403	158	336	132	168	66
3770	Tawny-VY LT	727	286	606	239	303	119

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3772	Desert Sand-VY DK	704	275	587	230	293	115
3776	Mahogany-LT	122	47	102	39	51	20
3778	Terra Cotta-LT	126	49	105	41	53	20
3782	Mocha Brown-LT	997	392	831	327	416	164
3787	Brown Gray-DK	2864	1127	2387	939	1193	470
3790	Beige Gray-UL DK	328	128	273	107	137	53
3799	Pewter Gray-VY DK	2245	882	1871	735	935	368
3809	Turquoise-VY DK	9	2	8	2	4	1
3826	Golden Brown	67	25	56	21	28	11
3827	Golden Brown-Pale	175	68	146	57	73	29
3828	Hazelnut Brown	826	324	689	270	344	135
3830	Terra Cotta-MD	261	103	218	86	109	43
3848	Teal Green-MD	18	5	15	5	8	2
3856	Mahogany-UL VY LT	20	7	17	6	8	3
3860	Cocoa	833	328	695	273	347	137
3861	Cocoa-LT	1235	486	1029	405	515	203
3862	Mocha Beige-DK	837	329	698	275	349	137
3863	Mocha Beige-MD	261	103	218	86	109	43
3864	Mocha Beige-LT	2039	803	1700	669	850	335
3865	Winter White	360	140	300	117	150	59
3866	Mocha Brown-UL VY LT	1787	702	1490	585	745	293

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
1	White 1	187	73	180	71	173	68
223	Shell Pink-LT	90	35	87	34	83	33
224	Shell Pink-VY LT	93	36	89	35	86	33
300	Mahogany-VY DK	610	240	586	231	565	222
301	Mahogany-MD	372	146	357	141	344	135
310	Black	2368	932	2277	896	2193	863
311	Navy Blue-MD	4	1	3	1	3	1
317	Pewter Gray	49	19	47	18	45	17
356	Terra Cotta-MD	47	18	45	17	43	17
370	Mustard-MD	49	19	47	18	45	17
371	Mustard	89	35	86	33	83	32
372	Mustard-LT	321	126	309	121	297	117
400	Mahogany-DK	138	54	132	52	127	50
402	Mahogany-VY LT	14	5	13	5	13	5
407	Desert Sand-DK	168	66	161	63	155	61
413	Pewter Gray-DK	306	120	294	116	283	111
414	Steel Gray-DK	161	63	155	61	149	59
415	Pearl Gray	5	1	5	1	5	1
420	Hazelnut Brown-DK	282	110	271	106	261	102
433	Brown-MD	274	107	263	103	253	99
434	Brown-LT	84	32	80	31	77	30
435	Brown-VY LT	38	14	37	14	35	13
436	Tan	81	32	78	30	75	29
437	Tan-LT	57	22	55	21	53	21
451	Shell Gray-DK	215	84	206	81	199	78
452	Shell Gray-MD	448	176	431	169	415	163
453	Shell Gray-LT	438	172	422	165	406	159
500	Blue Green-VY DK	79	31	76	30	73	29
501	Blue Green-DK	453	178	435	171	419	165
503	Blue Green-MD	78	30	75	29	72	28
520	Fern Green-DK	341	134	328	129	316	124

523	Fern Green-LT	45	17	44	17	42	16
524	Fern Green-VY LT	436	171	420	165	404	159
535	Ash Gray-VY LT	328	129	316	124	304	119
543	Beige Brown-UL VY LT	390	153	375	147	361	142
610	Drab Brown-DK	230	90	222	87	213	83
611	Drab Brown	202	79	195	76	187	73
613	Drab Brown-VY LT	246	96	236	93	227	89
632	Desert Sand-UL VY DK	336	132	323	127	311	122
640	Beige Gray-VY DK	467	184	449	177	433	170
642	Beige Gray-DK	576	226	554	217	533	209
645	Beaver Gray-VY DK	704	277	677	267	652	257
646	Beaver Gray-DK	737	289	708	278	682	268
647	Beaver Gray-MD	626	246	602	237	580	228
648	Beaver Gray-LT	213	84	205	80	197	77
712	Cream	279	109	268	105	258	101
730	Olive Green-VY DK	20	8	19	8	19	7
738	Tan-VY LT	168	66	162	64	156	61
739	Tan-UL VY LT	177	69	170	66	164	64
746	Off White	531	209	511	201	492	193
754	Peach-LT	35	14	34	13	33	13
758	Terra Cotta-VY LT	161	63	155	61	149	59
762	Pearl Gray-VY LT	67	26	64	25	62	24
801	Coffee Brown-DK	69	27	66	26	64	25
819	Baby Pink-LT	67	26	64	25	62	24
822	Beige Gray-LT	426	167	409	161	394	155
829	Golden Olive-VY DK	117	46	113	44	109	43
838	Beige Brown-VY DK	121	48	116	46	112	44
839	Beige Brown-DK	624	245	600	235	577	227
840	Beige Brown-MD	42	16	40	15	39	15
841	Beige Brown-LT	1336	526	1285	505	1237	487
842	Beige Brown-VY LT	256	101	246	97	237	93
844	Beaver Brown-UL DK	666	262	640	252	617	243
869	Hazelnut Brown-VY DK	46	18	44	17	43	17
898	Coffee Brown-VY DK	64	25	62	24	59	23
924	Gray Green--VY DK	102	40	98	38	95	37
926	Gray Green-MD	318	125	306	120	295	116
927	Gray Green-LT	171	67	165	64	159	62
928	Gray Green-VY LT	147	58	141	55	136	53
931	Antique Blue-MD	19	7	19	7	18	7
932	Antique Blue-LT	22	8	21	8	20	7
934	Black Avocado Green	109	42	105	41	101	39
935	Avocado Green-DK	280	110	269	106	259	102
938	Coffee Brown-UL DK	137	53	132	51	127	49
939	Navy Blue-VY DK	754	297	725	285	698	275
948	Peach-VY LT	293	115	282	111	271	107
950	Desert Sand-LT	580	228	557	219	537	211
951	Tawny-LT	215	84	206	81	199	78
975	Golden Brown-DK	511	201	492	193	473	186
976	Golden Brown-MD	8	3	8	3	7	3
977	Golden Brown-LT	64	25	62	24	59	23
3011	Khaki Green-DK	169	66	163	64	157	61
3021	Brown Gray-VY DK	497	195	478	188	460	181
3022	Brown Gray-MD	256	101	246	97	237	93
3023	Brown Gray-LT	381	150	366	144	353	139
3032	Mocha Brown-MD	873	343	840	330	809	318
3033	Mocha Brown-VY LT	46	18	44	17	43	17
3051	Green Gray-DK	395	156	380	150	366	144
3052	Green Gray-MD	327	128	314	123	303	119
3053	Green Gray	130	51	125	49	121	47

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3064	Desert Sand	160	63	154	60	148	58
3072	Beaver Gray-VY LT	117	45	112	44	108	42
3348	Yellow Green-LT	14	5	14	5	13	5
3362	Pine Green-DK	326	128	314	123	302	119
3363	Pine Green-MD	258	102	249	98	239	94
3364	Pine Green	91	36	88	35	85	33
3371	Black Brown	279	109	268	105	258	101
3721	Shell Pink-DK	219	86	210	82	203	79
3752	Antique Blue-VY LT	9	3	8	3	8	3
3768	Gray Green-DK	161	63	155	61	149	59
3770	Tawny-VY LT	291	114	280	110	269	106
3772	Desert Sand-VY DK	282	110	271	106	261	102
3776	Mahogany-LT	49	19	47	18	45	17
3778	Terra Cotta-LT	50	19	48	19	47	18
3782	Mocha Brown-LT	399	157	384	151	369	145
3787	Brown Gray-DK	1146	451	1101	433	1061	417
3790	Beige Gray-UL DK	131	51	126	49	121	47
3799	Pewter Gray-VY DK	898	353	863	339	831	327
3809	Turquoise-VY DK	4	1	3	1	3	1
3826	Golden Brown	27	10	26	10	25	9
3827	Golden Brown-Pale	70	27	67	26	65	25
3828	Hazelnut Brown	330	130	318	125	306	120
3830	Terra Cotta-MD	104	41	100	39	97	38
3848	Teal Green-MD	7	2	7	2	7	2
3856	Mahogany-UL VY LT	8	3	8	3	7	3
3860	Cocoa	333	131	321	126	309	121
3861	Cocoa-LT	494	194	475	187	457	180
3862	Mocha Beige-DK	335	132	322	127	310	122
3863	Mocha Beige-MD	104	41	100	39	97	38
3864	Mocha Beige-LT	816	321	784	309	755	297
3865	Winter White	144	56	138	54	133	52
3866	Mocha Brown-UL VY LT	715	281	687	270	662	260

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
1	White 1	167	66	156	61	146	57
223	Shell Pink-LT	80	32	75	29	70	28
224	Shell Pink-VY LT	83	32	77	30	73	28
300	Mahogany-VY DK	545	214	508	200	476	187
301	Mahogany-MD	332	131	310	122	290	114
310	Black	2114	832	1973	776	1850	728
311	Navy Blue-MD	3	1	3	1	3	1
317	Pewter Gray	44	17	41	16	38	15
356	Terra Cotta-MD	42	16	39	15	37	14
370	Mustard-MD	44	17	41	16	38	15
371	Mustard	80	31	74	29	70	27
372	Mustard-LT	287	113	268	105	251	98
400	Mahogany-DK	123	48	115	45	107	42
402	Mahogany-VY LT	12	5	11	4	11	4
407	Desert Sand-DK	150	59	140	55	131	51
413	Pewter Gray-DK	273	107	255	100	239	94
414	Steel Gray-DK	144	57	134	53	126	50
415	Pearl Gray	5	1	4	1	4	1
420	Hazelnut Brown-DK	251	98	235	92	220	86
433	Brown-MD	244	96	228	89	214	84

434	Brown-LT	75	29	70	27	65	25
435	Brown-VY LT	34	13	32	12	30	11
436	Tan	72	28	67	26	63	25
437	Tan-LT	51	20	47	19	44	17
451	Shell Gray-DK	192	75	179	70	168	66
452	Shell Gray-MD	400	157	373	146	350	137
453	Shell Gray-LT	392	154	365	143	343	134
500	Blue Green-VY DK	71	28	66	26	62	24
501	Blue Green-DK	404	159	377	148	354	139
503	Blue Green-MD	69	27	65	25	61	24
520	Fern Green-DK	305	120	284	112	267	105
523	Fern Green-LT	41	15	38	14	35	14
524	Fern Green-VY LT	390	153	364	143	341	134
535	Ash Gray-VY LT	293	115	274	107	257	101
543	Beige Brown-UL VY LT	348	137	325	128	305	120
610	Drab Brown-DK	206	80	192	75	180	70
611	Drab Brown	181	71	169	66	158	62
613	Drab Brown-VY LT	219	86	205	80	192	75
632	Desert Sand-UL VY DK	300	118	280	110	263	103
640	Beige Gray-VY DK	417	164	389	153	365	143
642	Beige Gray-DK	514	202	480	188	450	177
645	Beaver Gray-VY DK	629	248	587	231	550	217
646	Beaver Gray-DK	658	258	614	241	575	226
647	Beaver Gray-MD	559	220	522	205	489	192
648	Beaver Gray-LT	190	75	178	70	167	65
712	Cream	249	98	232	91	218	86
730	Olive Green-VY DK	18	7	17	7	16	6
738	Tan-VY LT	150	59	140	55	132	52
739	Tan-UL VY LT	158	62	148	58	138	54
746	Off White	474	186	443	174	415	163
754	Peach-LT	32	12	29	11	28	11
758	Terra Cotta-VY LT	144	57	134	53	126	50
762	Pearl Gray-VY LT	60	23	56	22	52	20
801	Coffee Brown-DK	62	24	58	22	54	21
819	Baby Pink-LT	60	23	56	22	52	20
822	Beige Gray-LT	380	149	355	139	332	131
829	Golden Olive-VY DK	105	41	98	38	92	36
838	Beige Brown-VY DK	108	42	101	40	95	37
839	Beige Brown-DK	557	219	520	204	487	191
840	Beige Brown-MD	37	14	35	13	33	12
841	Beige Brown-LT	1193	469	1114	438	1044	411
842	Beige Brown-VY LT	229	90	214	84	200	79
844	Beaver Brown-UL DK	595	234	555	218	520	205
869	Hazelnut Brown-VY DK	41	16	38	15	36	14
898	Coffee Brown-VY DK	57	23	53	21	50	20
924	Gray Green--VY DK	91	35	85	33	80	31
926	Gray Green-MD	284	112	265	104	249	98
927	Gray Green-LT	153	60	143	56	134	52
928	Gray Green-VY LT	131	51	122	48	115	45
931	Antique Blue-MD	17	6	16	6	15	6
932	Antique Blue-LT	19	7	18	7	17	6
934	Black Avocado Green	97	38	91	35	85	33
935	Avocado Green-DK	250	98	233	92	219	86
938	Coffee Brown-UL DK	122	48	114	44	107	42
939	Navy Blue-VY DK	673	265	628	247	589	232
948	Peach-VY LT	262	103	244	96	229	90
950	Desert Sand-LT	518	203	483	190	453	178
951	Tawny-LT	192	75	179	70	168	66
975	Golden Brown-DK	456	179	426	167	399	157

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976	Golden Brown-MD	7	3	7	2	6	2
977	Golden Brown-LT	57	23	53	21	50	20
3011	Khaki Green-DK	151	59	141	55	132	52
3021	Brown Gray-VY DK	444	174	414	163	388	152
3022	Brown Gray-MD	229	90	214	84	200	79
3023	Brown Gray-LT	340	134	317	125	298	117
3032	Mocha Brown-MD	780	307	728	286	682	268
3033	Mocha Brown-VY LT	41	16	38	15	36	14
3051	Green Gray-DK	353	139	329	130	309	122
3052	Green Gray-MD	292	114	272	107	255	100
3053	Green Gray	116	46	109	43	102	40
3064	Desert Sand	143	56	133	52	125	49
3072	Beaver Gray-VY LT	104	41	97	38	91	35
3348	Yellow Green-LT	13	5	12	4	11	4
3362	Pine Green-DK	291	114	272	107	255	100
3363	Pine Green-MD	231	91	215	85	202	79
3364	Pine Green	82	32	76	30	71	28
3371	Black Brown	249	98	232	91	218	86
3721	Shell Pink-DK	195	77	182	71	171	67
3752	Antique Blue-VY LT	8	3	7	2	7	2
3768	Gray Green-DK	144	57	134	53	126	50
3770	Tawny-VY LT	260	102	242	95	227	89
3772	Desert Sand-VY DK	251	98	235	92	220	86
3776	Mahogany-LT	44	17	41	16	38	15
3778	Terra Cotta-LT	45	17	42	16	39	15
3782	Mocha Brown-LT	356	140	332	131	312	123
3787	Brown Gray-DK	1023	402	955	376	895	352
3790	Beige Gray-UL DK	117	46	109	43	102	40
3799	Pewter Gray-VY DK	802	315	748	294	701	276
3809	Turquoise-VY DK	3	1	3	1	3	1
3826	Golden Brown	24	9	22	8	21	8
3827	Golden Brown-Pale	62	24	58	23	55	21
3828	Hazelnut Brown	295	116	275	108	258	101
3830	Terra Cotta-MD	93	37	87	34	82	32
3848	Teal Green-MD	6	2	6	2	6	2
3856	Mahogany-UL VY LT	7	3	7	2	6	2
3860	Cocoa	298	117	278	109	260	102
3861	Cocoa-LT	441	174	412	162	386	152
3862	Mocha Beige-DK	299	118	279	110	262	103
3863	Mocha Beige-MD	93	37	87	34	82	32
3864	Mocha Beige-LT	728	287	680	268	637	251
3865	Winter White	129	50	120	47	113	44
3866	Mocha Brown-UL VY LT	638	251	596	234	559	219

[illegible]

	50	60	70	80	90
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20					
30					
40					
50					
60					

[illegible]

[illegible]

	190	200	210	220	230
10					
20					
30					
40					
50					
60					

[illegible]

(19)

[illegible]

$$(20) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (21)$$

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

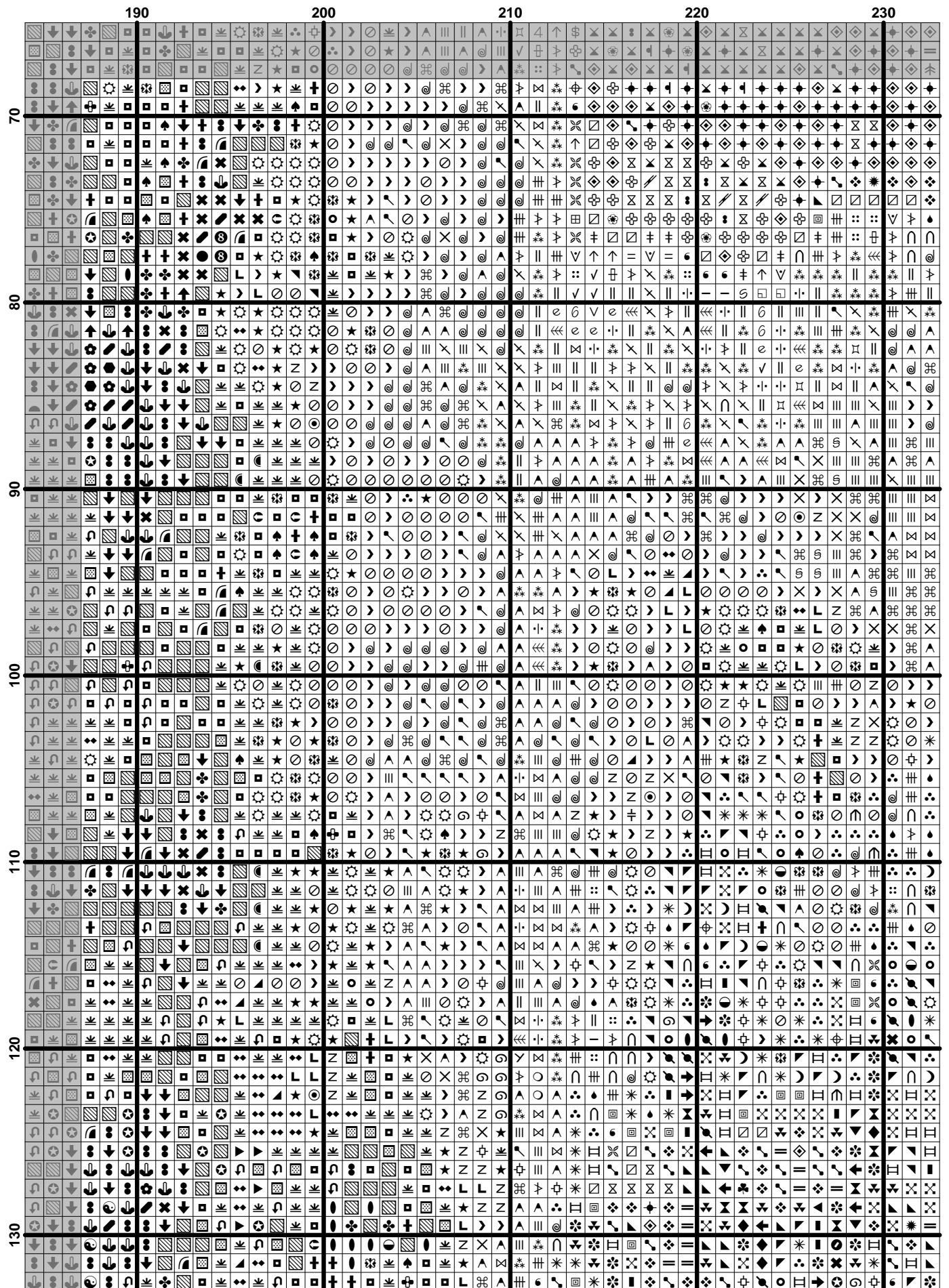
(22)

[illegible]

	50	60	70	80	90
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130					

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

	140	150	160	170	180
70
80
90
100
110
120
130



$$(28) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (29)$$

[illegible]

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

	370	380	390	400	410
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80
90
100
110
120
130

	420	430	440	450	460
70
80
90
100
110
120
130

(33)

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

(37)

130	140	150	160	170	180
140	150	160	170	180	
150	160	170	180		
160	170	180			
170	180				
180					
190					

[illegible]

	230	240	250	260	270
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150					
160					
170					
180					
190					

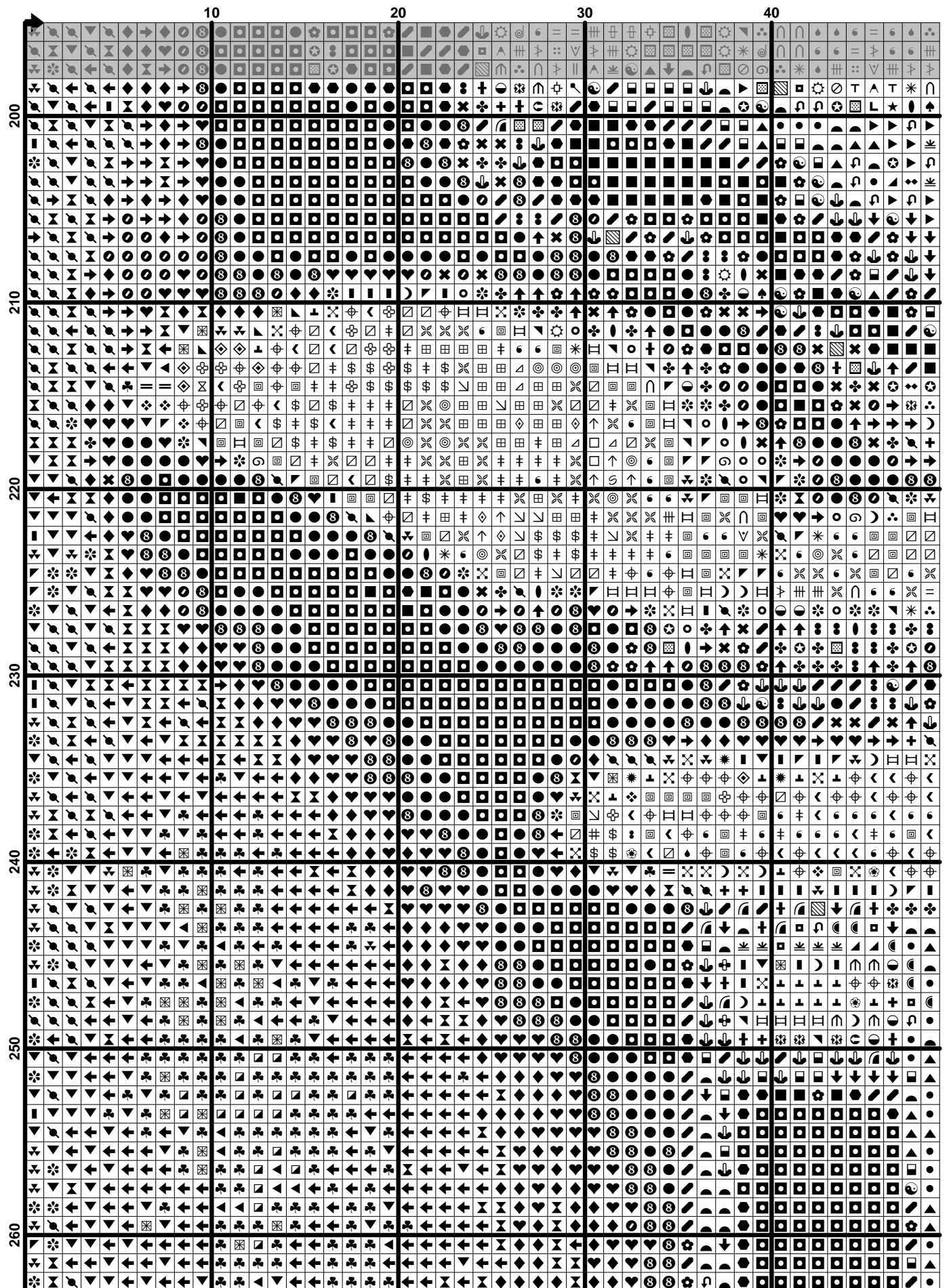
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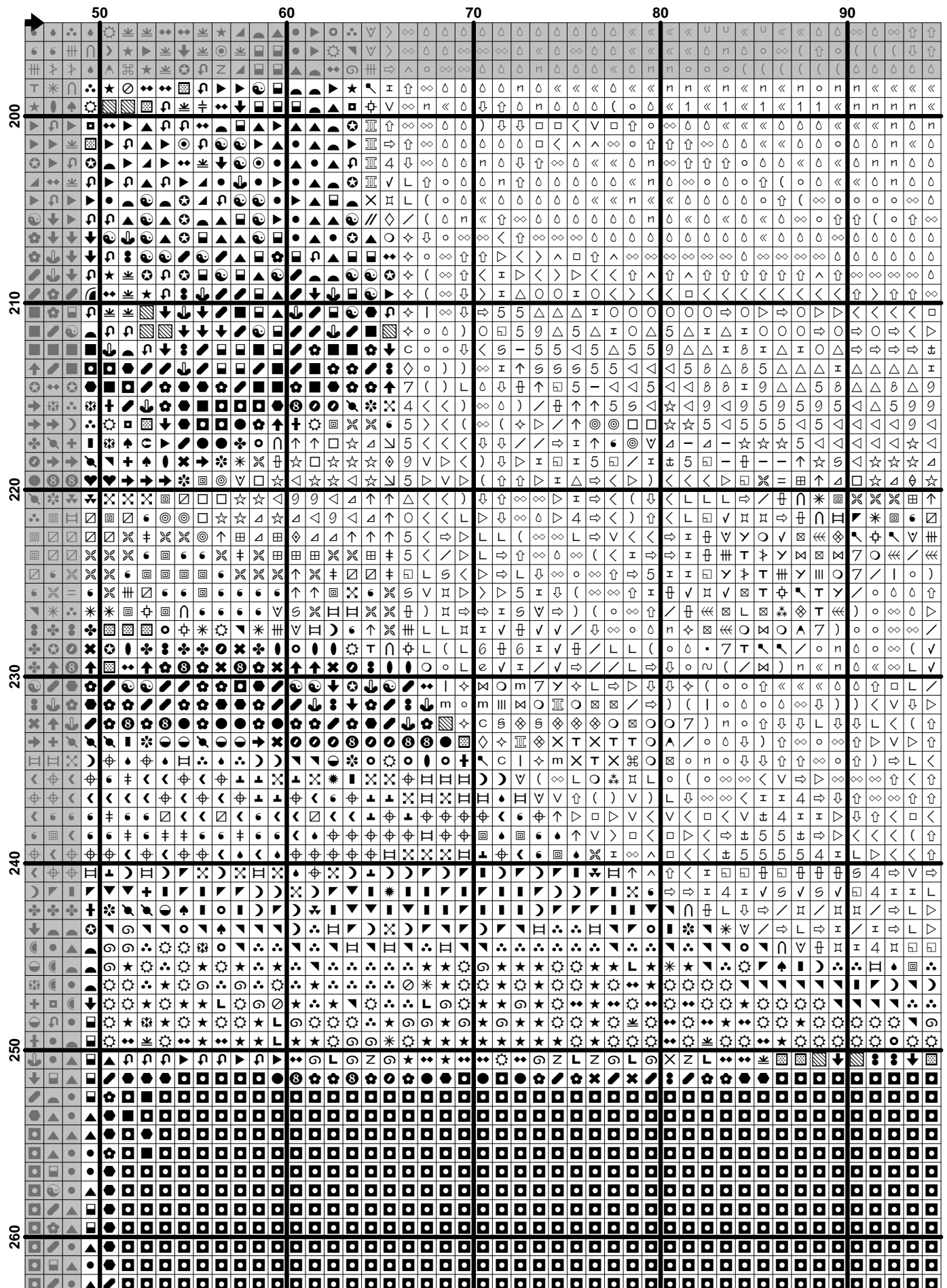
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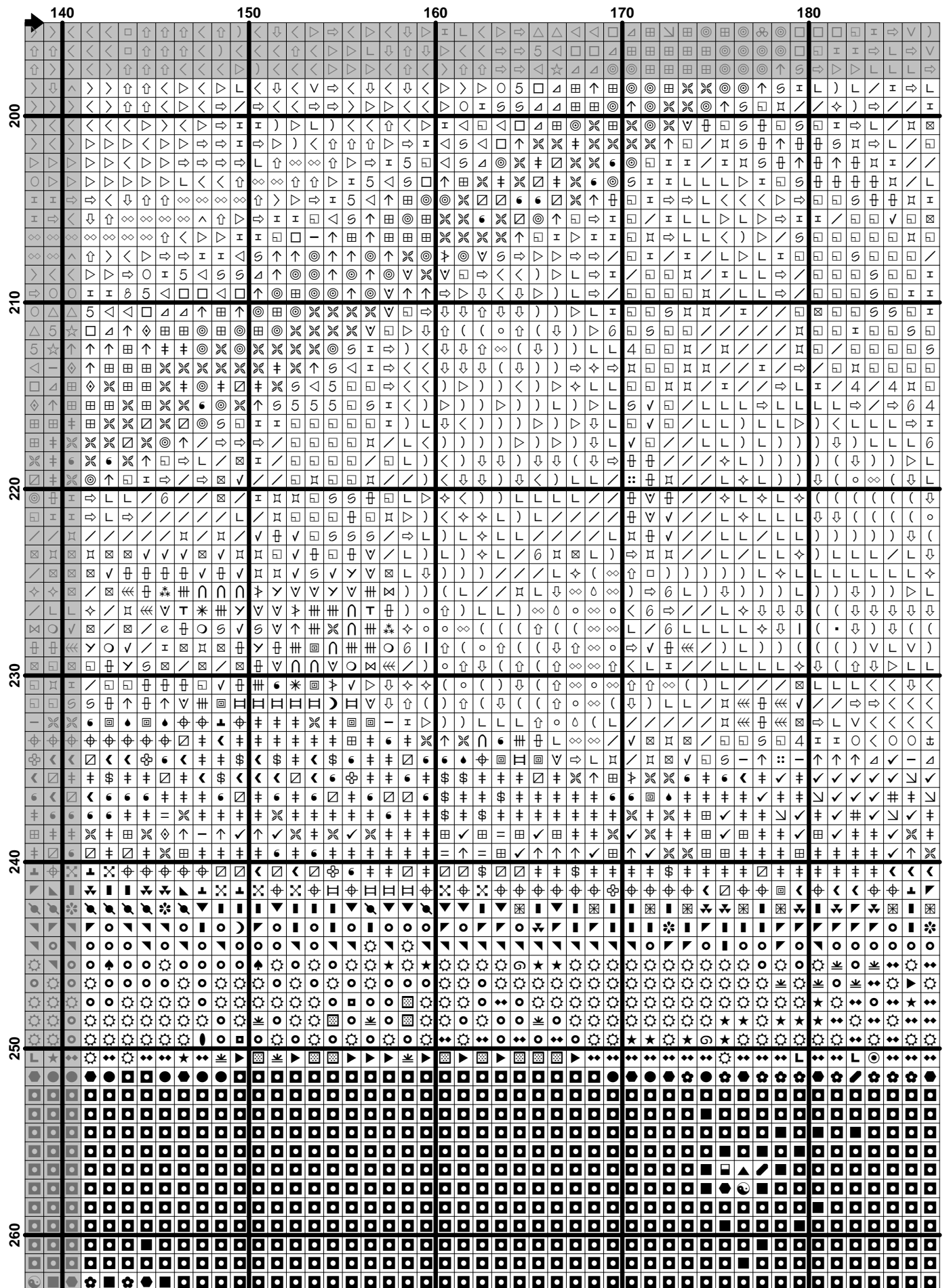
	420	430	440	450	460
130
140
150
160
170
180
190

	460	470	480	490	500
130	✱	✱	✱	✱	✱
140	✱	✱	✱	✱	✱
150	✱	✱	✱	✱	✱
160	✱	✱	✱	✱	✱
170	✱	✱	✱	✱	✱
180	✱	✱	✱	✱	✱
190	✱	✱	✱	✱	✱
200	✱	✱	✱	✱	✱
210	✱	✱	✱	✱	✱
220	✱	✱	✱	✱	✱
230	✱	✱	✱	✱	✱
240	✱	✱	✱	✱	✱
250	✱	✱	✱	✱	✱
260	✱	✱	✱	✱	✱
270	✱	✱	✱	✱	✱
280	✱	✱	✱	✱	✱
290	✱	✱	✱	✱	✱
300	✱	✱	✱	✱	✱
310	✱	✱	✱	✱	✱
320	✱	✱	✱	✱	✱
330	✱	✱	✱	✱	✱
340	✱	✱	✱	✱	✱
350	✱	✱	✱	✱	✱
360	✱	✱	✱	✱	✱
370	✱	✱	✱	✱	✱
380	✱	✱	✱	✱	✱
390	✱	✱	✱	✱	✱
400	✱	✱	✱	✱	✱
410	✱	✱	✱	✱	✱
420	✱	✱	✱	✱	✱
430	✱	✱	✱	✱	✱
440	✱	✱	✱	✱	✱
450	✱	✱	✱	✱	✱
460	✱	✱	✱	✱	✱
470	✱	✱	✱	✱	✱
480	✱	✱	✱	✱	✱
490	✱	✱	✱	✱	✱
500	✱	✱	✱	✱	✱

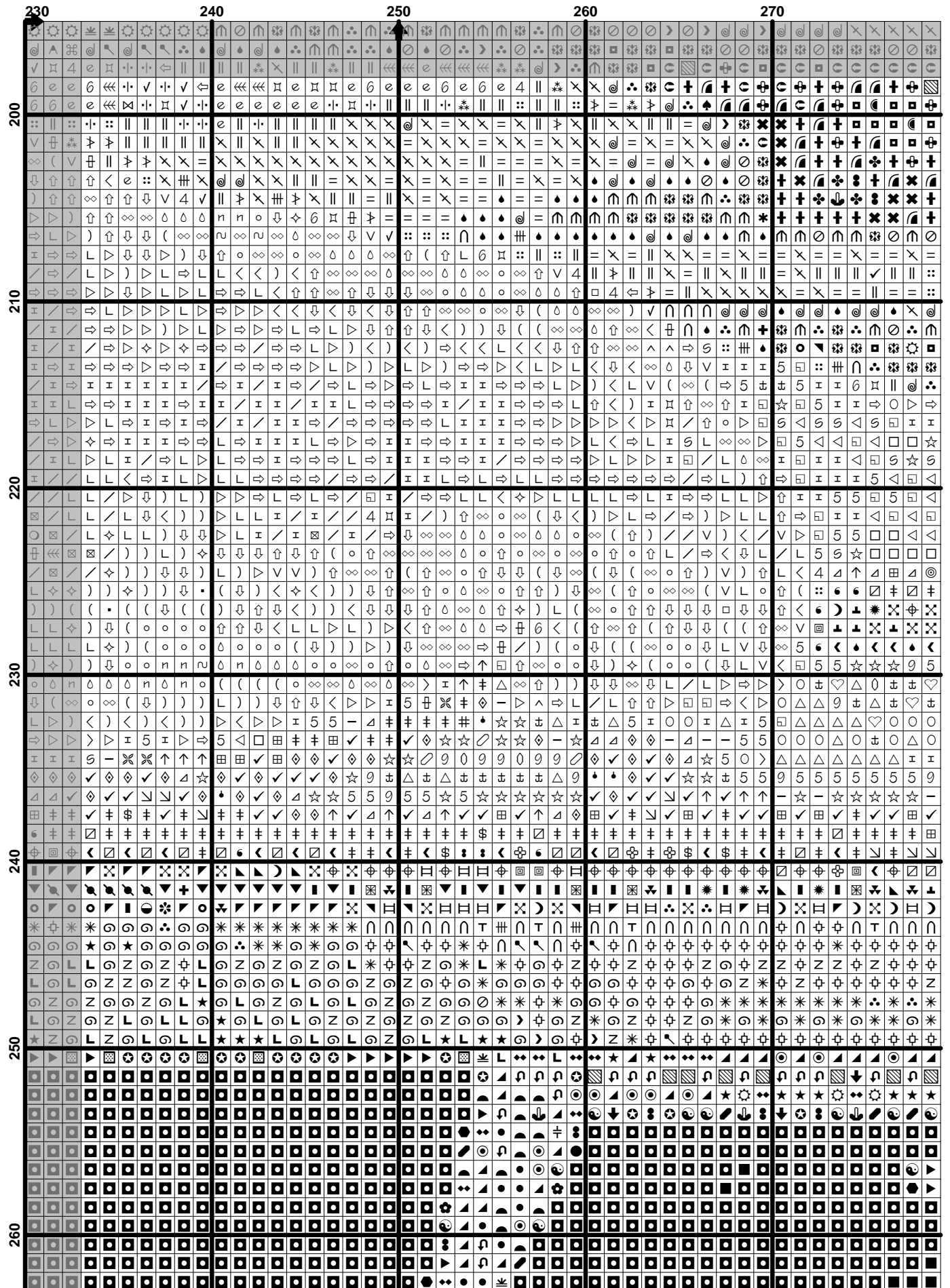




	100	110	120	130	140
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210					
220					
230					
240					
250					
260					



	190	200	210	220	230
200					
210					
220					
230					
240					
250					
260					



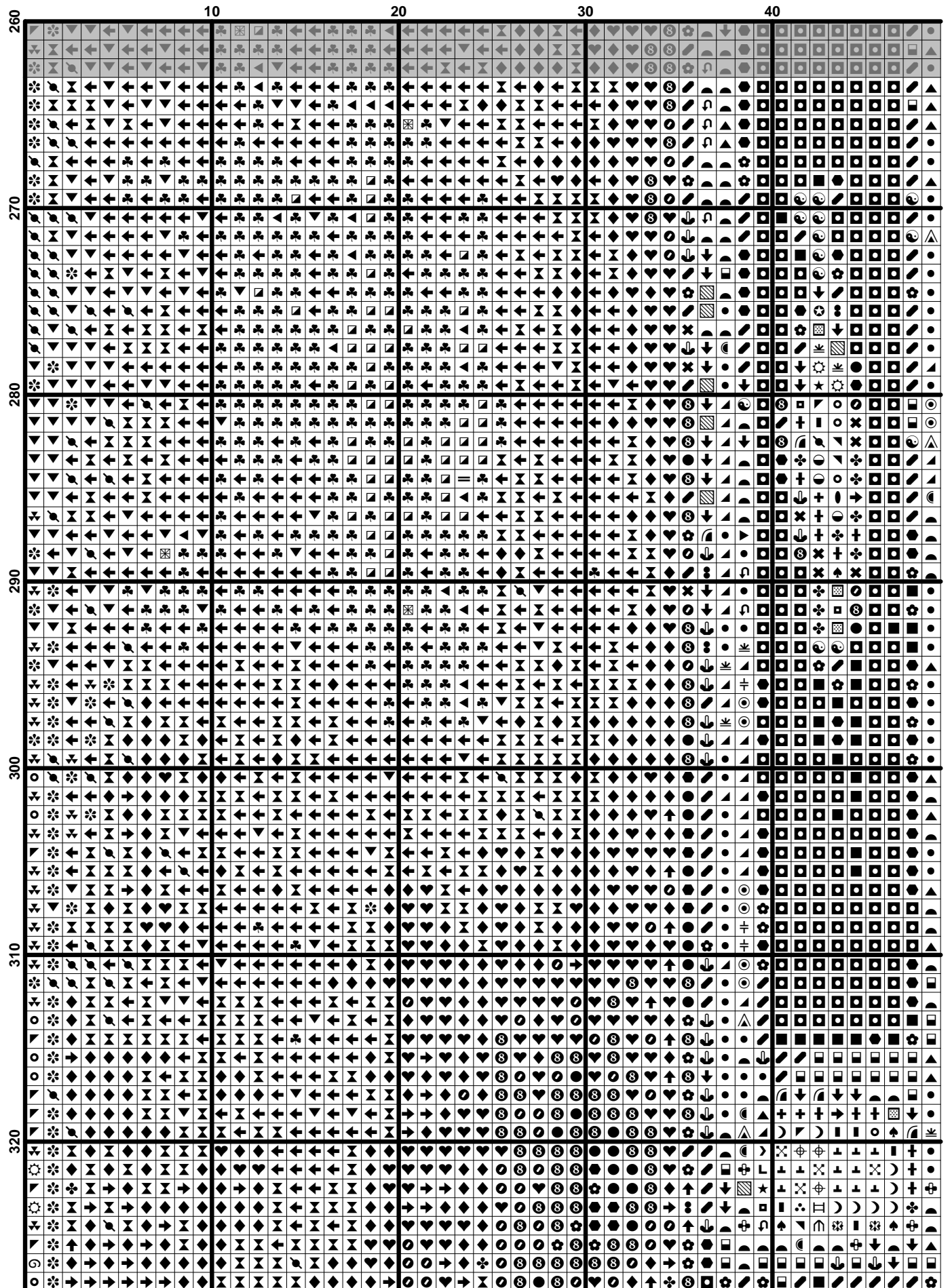
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200
210
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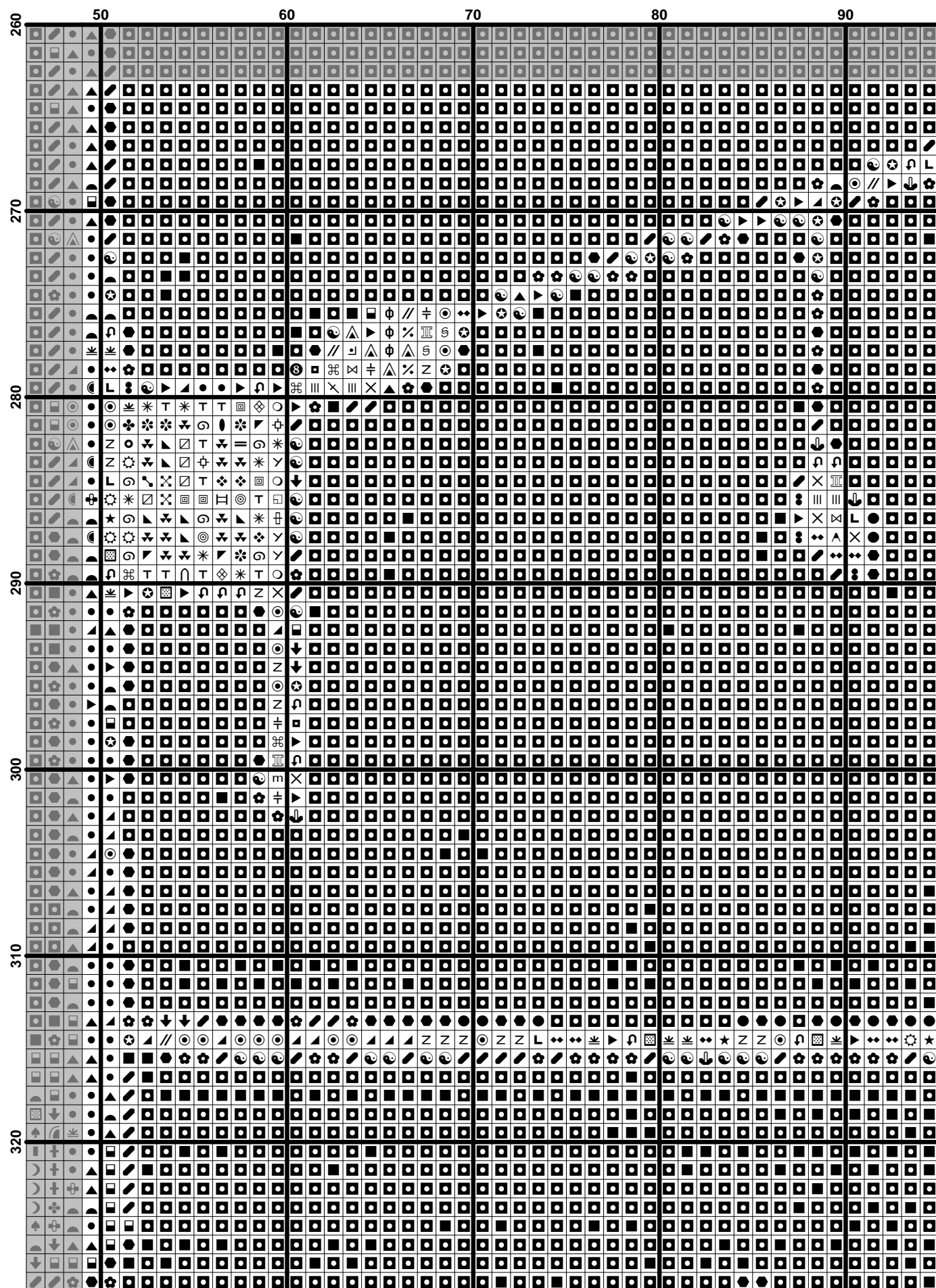
	330	340	350	360	370
200	⚡	⚡	⚡	⚡	⚡
210	⚡	⚡	⚡	⚡	⚡
220	⚡	⚡	⚡	⚡	⚡
230	⚡	⚡	⚡	⚡	⚡
240	⚡	⚡	⚡	⚡	⚡
250	⚡	⚡	⚡	⚡	⚡
260	⚡	⚡	⚡	⚡	⚡

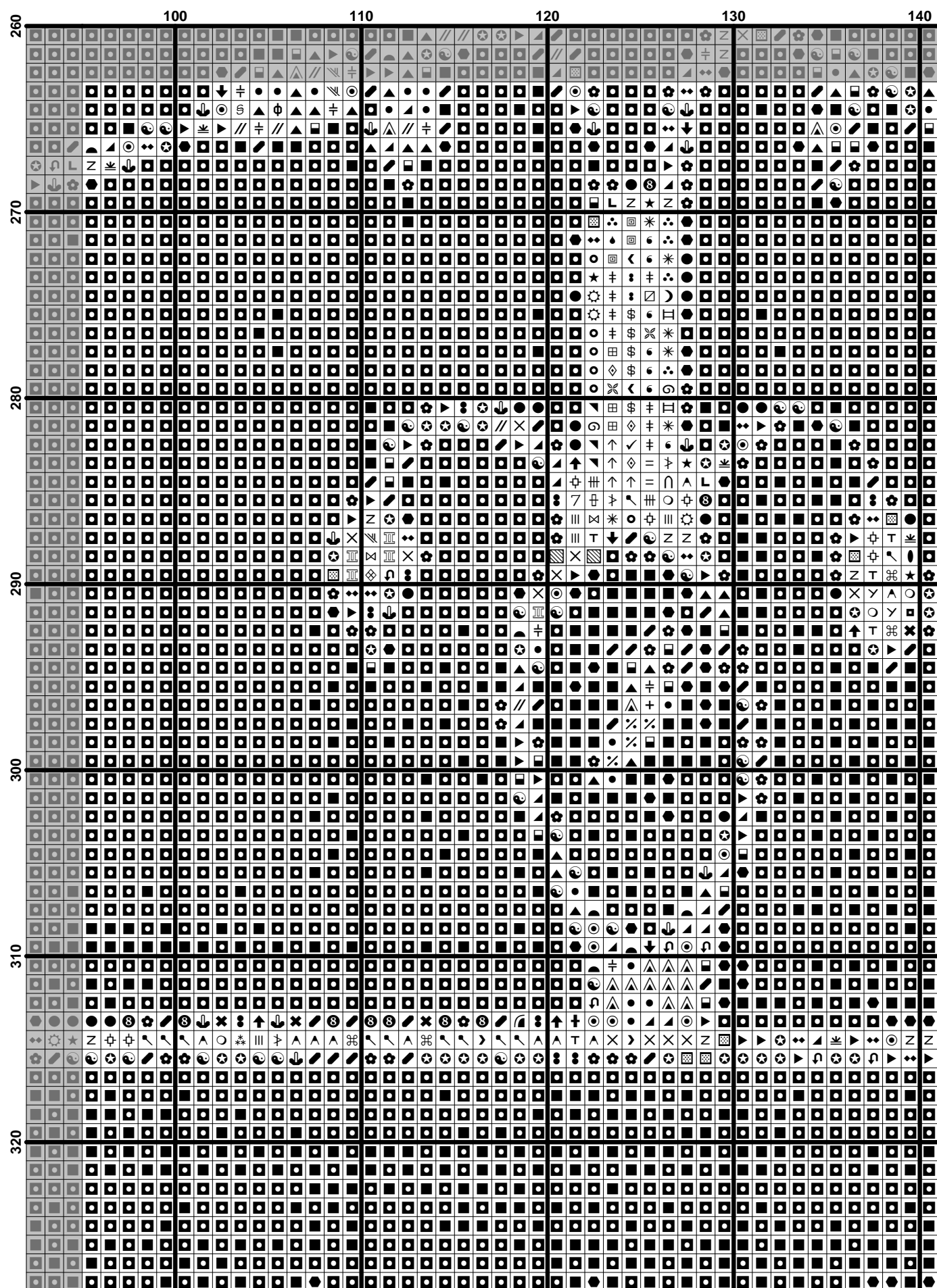
	370	380	390	400	410
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
200	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
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	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
210	♣	♣	♣	♣	♣
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	♣	♣	♣	♣	♣
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	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
220	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
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	♣	♣	♣	♣	♣
	♣	♣	♣	♣	♣
230	♣	♣	♣	♣	♣
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	♣	♣	♣	♣	♣
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250	♣	♣	♣	♣	♣
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260	♣	♣	♣	♣	♣
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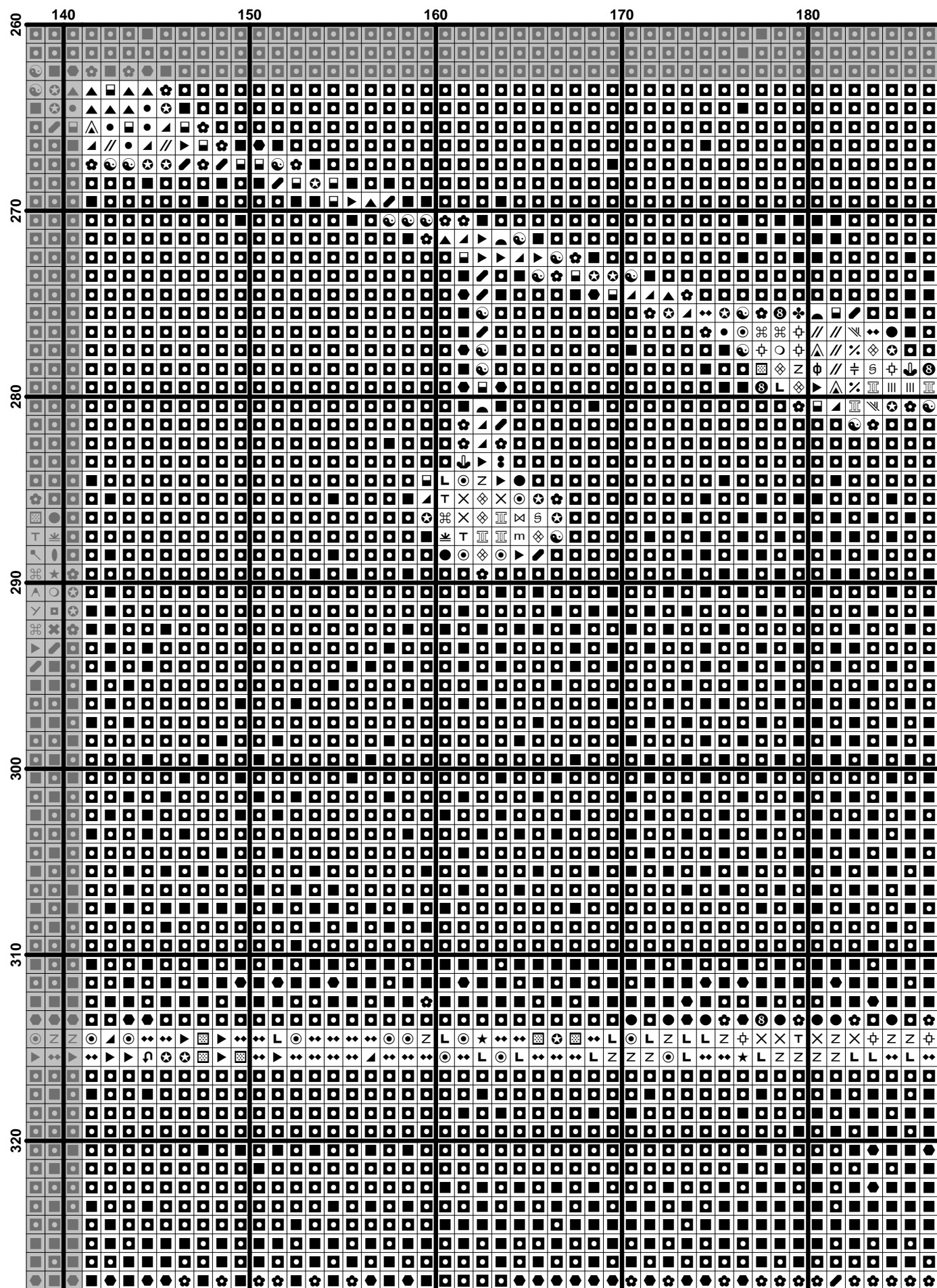
	420	430	440	450	460
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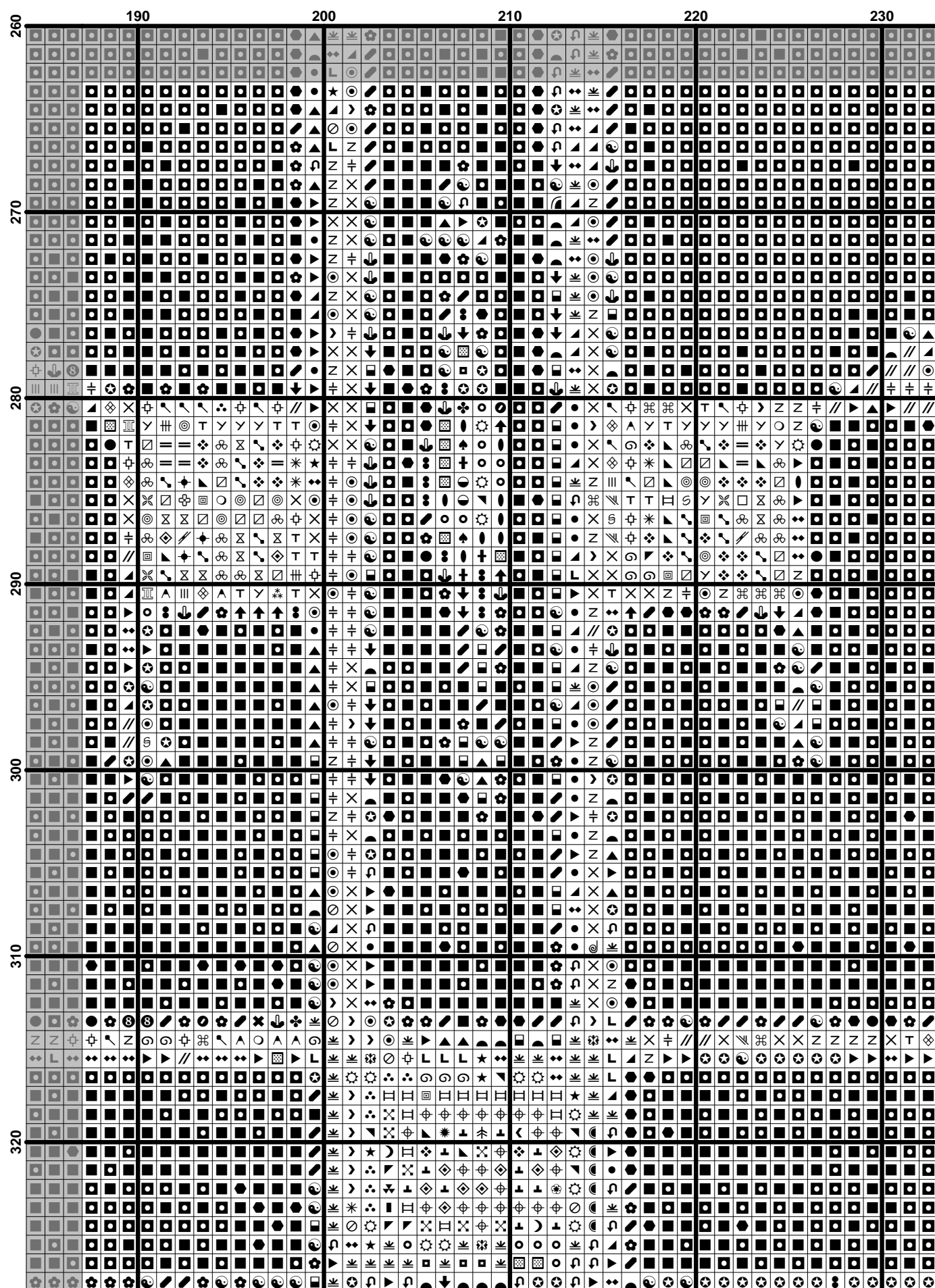
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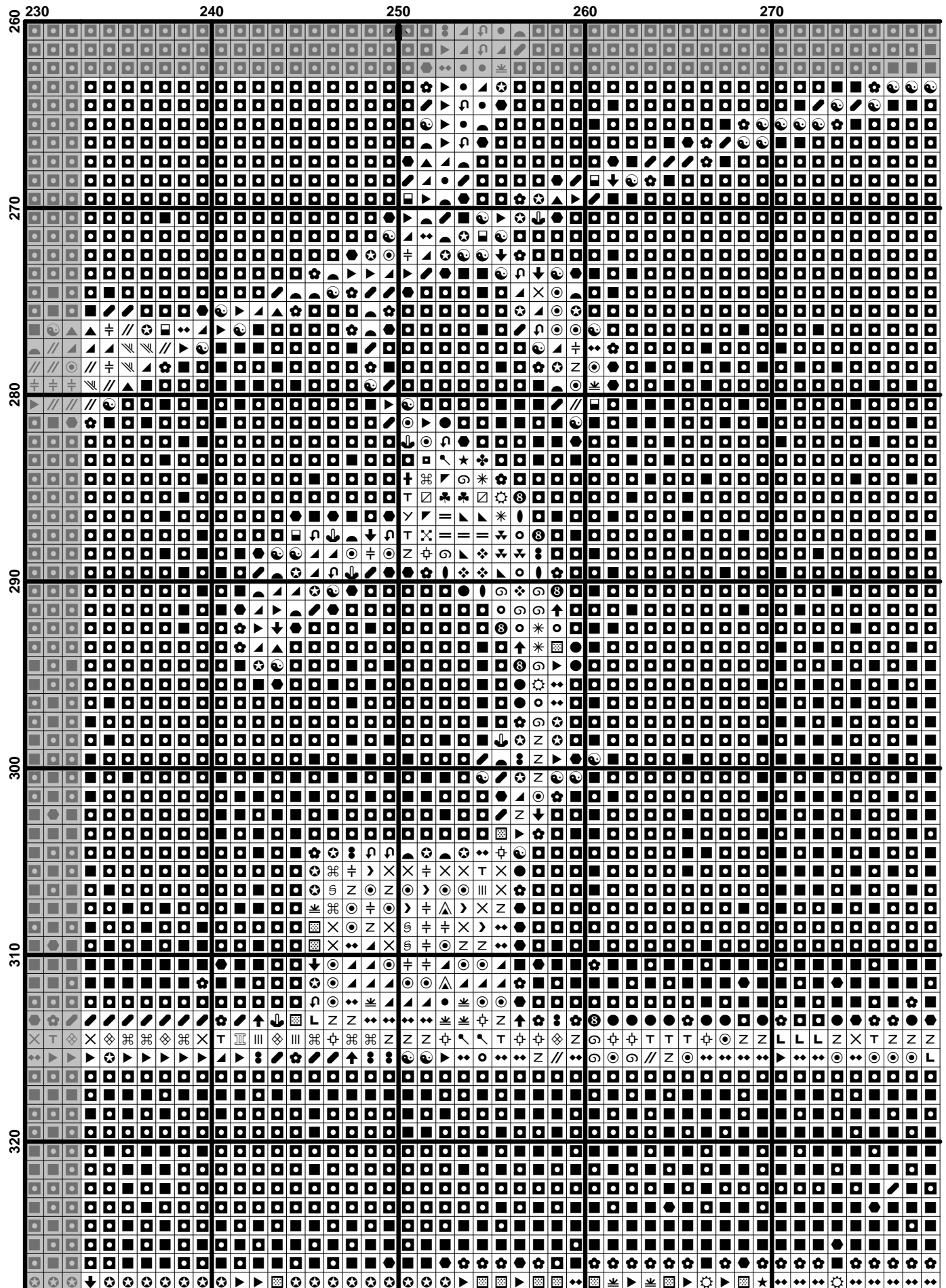


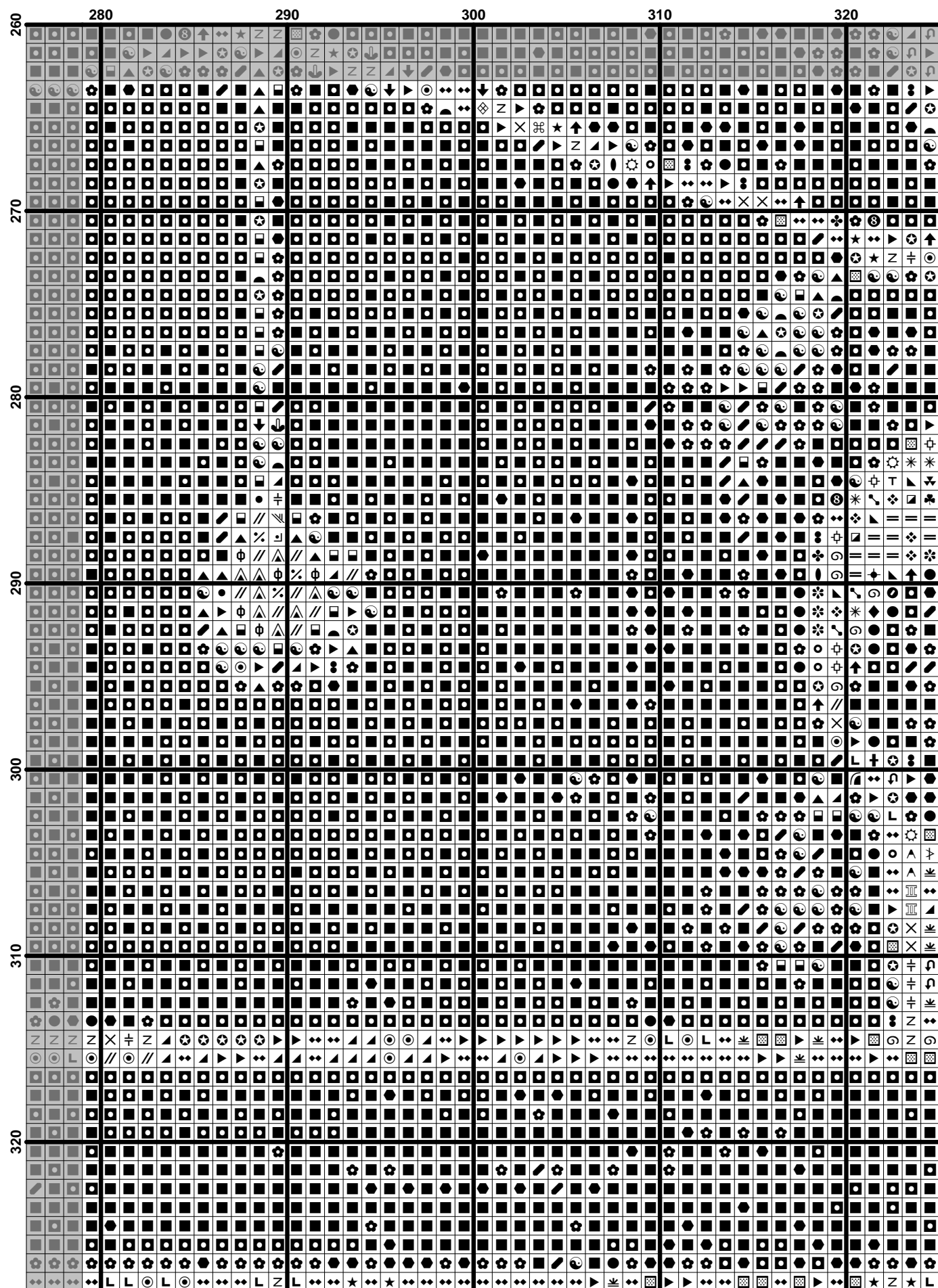












$$(63) \quad \text{[...]} \quad (64)$$

	370	380	390	400	410
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[illegible]

(66)

	10										20										30										40									
330	[Pattern]										[Pattern]										[Pattern]										[Pattern]									
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













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