

1281 Petit Boudeuse



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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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Petit Boudeuse



Stitch Count	
Horizontal:	350
Vertical:	533

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:	64	24.91	97	37.92	56	21.79	85	33.18	50	19.375	75	29.5
Including Margins:	80	31	113	44	72	28	101	40	66	26	91	36
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	89	34.87	135	53.08	74	29.06	113	44.24	37	14.53	56	22.12
Including Margins:	105	41	151	60	90	36	129	51	53	21	72	29
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	35	13.94	54	21.23	34	13.41	52	20.41	33	12.91	50	19.66
Including Margins:	51	20	70	28	50	20	68	27	49	19	66	26
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	32	12.45	48	18.96	29	11.62	45	17.69	28	10.89	42	16.59
Including Margins:	48	19	64	25	45	18	61	24	44	17	58	23

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
■	221	Shell Pink-VY DK
◀	223	Shell Pink-LT
■	347	Salmon-VY DK
✱	355	Terra Cotta-DK
✱	356	Terra Cotta-MD
✱	370	Mustard-MD
✱	371	Mustard
m	402	Mahogany-VY LT
#	407	Desert Sand-DK
✱	413	Pewter Gray-DK
✱	420	Hazelnut Brown-DK
♠	434	Brown-LT
▷	445	Lemon-LT
::	452	Shell Gray-MD
e	472	Avocado Green-UL LT
//	502	Blue Green
T	503	Blue Green-MD
· ·	524	Fern Green-VY LT
⇒	543	Beige Brown-UL VY LT
L	611	Drab Brown
§	612	Drab Brown-LT
g	613	Drab Brown-VY LT
+	632	Desert Sand-UL VY DK
◇	644	Beige Gray-MD
*	645	Beaver Gray-VY DK
↖	680	Old Gold-DK
⦿	704	Chartreuse-BRT
«	712	Cream
⦿	722	Orange Spice-LT
4	725	Topaz
↖	733	Olive Green-MD
§	734	Olive Green-LT
5	738	Tan-VY LT
0	739	Tan-UL VY LT
↑	745	Yellow-LT Pale
1	746	Off White
0	754	Peach-LT
>	762	Pearl Gray-VY LT
⦿	801	Coffee Brown-DK
♡	822	Beige Gray-LT
⦿	830	Golden Olive-DK
..	833	Golden Olive-LT
√	834	Golden Olive-VY LT
⦿	838	Beige Brown-VY DK
↖	839	Beige Brown-DK
✱	922	Copper-LT
∇	927	Gray Green-LT
✕	931	Antique Blue-MD

■	934	Black Avocado Green
●	938	Coffee Brown-UL DK
:	973	Canary-BRT
▲	975	Golden Brown-DK
✱	977	Golden Brown-LT
	3013	Khaki Green-LT
⦿	3021	Brown Gray-VY DK
٪	3022	Brown Gray-MD
6	3024	Brown Gray-VY LT
✱	3031	Mocha Brown-VY DK
★	3041	Antique Violet-MD
	3045	Yellow Beige-DK
/	3046	Yellow Beige-MD
6	3052	Green Gray-MD
†	3053	Green Gray
L	3072	Beaver Gray-VY LT
^	3078	Golden Yellow-VY LT
⦿	3346	Hunter Green
⦿	3347	Yellow Green-MD
⦿	3354	Dusty Rose-LT
⦿	3362	Pine Green-DK
)	3713	Salmon-VY LT
⦿	3721	Shell Pink-DK
δ	3756	Baby Blue-UL VY LT
✱	3768	Gray Green-DK
n	3770	Tawny-VY LT
†	3772	Desert Sand-VY DK
⦿	3778	Terra Cotta-LT
♠	3782	Mocha Brown-LT
♠	3787	Brown Gray-DK
♣	3802	Antique Mauve-VY DK
›	3816	Celadon Green-MD
7	3820	Straw-DK
~	3823	Yellow-UL Pale
≡	3825	Pumpkin-Pale
⦿	3826	Golden Brown
⦿	3827	Golden Brown-Pale
^	3828	Hazelnut Brown
⦿	3829	Old Gold-VY DK
↖	3830	Terra Cotta-MD
↖	3832	Raspberry-MD
⦿	3849	Teal Green-LT
↖	3856	Mahogany-UL VY LT
●	3860	Cocoa
⦿	3861	Cocoa-LT
✱	3862	Mocha Beige-DK
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
↗	645	Beaver Gray-VY DK	3052	Green Gray-MD
✂	838	Beige Brown-VY DK	839	Beige Brown-DK
⬇	645	Beaver Gray-VY DK	839	Beige Brown-DK
●	934	Black Avocado Green	935	Avocado Green-DK
■	934	Black Avocado Green	938	Coffee Brown-UL DK
♥	935	Avocado Green-DK	3031	Mocha Brown-VY DK
♣	801	Coffee Brown-DK	975	Golden Brown-DK
✂	801	Coffee Brown-DK	838	Beige Brown-VY DK
⬇	801	Coffee Brown-DK	3862	Mocha Beige-DK
↑	838	Beige Brown-VY DK	3802	Antique Mauve-VY DK
⬆	434	Brown-LT	3772	Desert Sand-VY DK
⊕	3826	Golden Brown	3828	Hazelnut Brown
✱	370	Mustard-MD	3826	Golden Brown
z	356	Terra Cotta-MD	3828	Hazelnut Brown
↑	402	Mahogany-VY LT	833	Golden Olive-LT
?	402	Mahogany-VY LT	3046	Yellow Beige-MD
⬆	356	Terra Cotta-MD	3830	Terra Cotta-MD
⬆	356	Terra Cotta-MD	434	Brown-LT
✂	420	Hazelnut Brown-DK	3828	Hazelnut Brown
⊖	3828	Hazelnut Brown	3830	Terra Cotta-MD
⬇	3721	Shell Pink-DK	3828	Hazelnut Brown
○	434	Brown-LT	3830	Terra Cotta-MD
■	632	Desert Sand-UL VY DK	3830	Terra Cotta-MD
⬆	3721	Shell Pink-DK	3830	Terra Cotta-MD
✂	3826	Golden Brown	3830	Terra Cotta-MD
<	754	Peach-LT	3078	Golden Yellow-VY LT
v	3856	Mahogany-UL VY LT	745	Yellow-LT Pale
⬆	3856	Mahogany-UL VY LT	445	Lemon-LT
☆	722	Orange Spice-LT	3825	Pumpkin-Pale
⬆	922	Copper-LT	977	Golden Brown-LT
⬆	3825	Pumpkin-Pale	3827	Golden Brown-Pale
✓	977	Golden Brown-LT	3778	Terra Cotta-LT
⬆	356	Terra Cotta-MD	922	Copper-LT
✓	402	Mahogany-VY LT	3828	Hazelnut Brown
●	221	Shell Pink-VY DK	632	Desert Sand-UL VY DK
⬆	977	Golden Brown-LT	350	Coral-MD
2	734	Olive Green-LT	3045	Yellow Beige-DK
○	370	Mustard-MD	738	Tan-VY LT
✂	355	Terra Cotta-DK	977	Golden Brown-LT
⬆	350	Coral-MD	356	Terra Cotta-MD
⬆	632	Desert Sand-UL VY DK	3802	Antique Mauve-VY DK
⬆	838	Beige Brown-VY DK	632	Desert Sand-UL VY DK
✂	347	Salmon-VY DK	350	Coral-MD
⬆	356	Terra Cotta-MD	347	Salmon-VY DK
≡	356	Terra Cotta-MD	977	Golden Brown-LT
—	603	Cranberry	3341	Apricot
⬆	356	Terra Cotta-MD	722	Orange Spice-LT
□	3823	Yellow-UL Pale	754	Peach-LT
✂	350	Coral-MD	722	Orange Spice-LT
⬆	3825	Pumpkin-Pale	3341	Apricot
α	754	Peach-LT	3341	Apricot
=	3078	Golden Yellow-VY LT	3341	Apricot
✂	3341	Apricot	3832	Raspberry-MD

↔	350	Coral-MD	3721	Shell Pink-DK
⦿	745	Yellow-LT Pale	3827	Golden Brown-Pale
▼	3721	Shell Pink-DK	3802	Antique Mauve-VY DK
⋮	3022	Brown Gray-MD	3052	Green Gray-MD
⦿	3022	Brown Gray-MD	503	Blue Green-MD
←	3021	Brown Gray-VY DK	839	Beige Brown-DK
⬆	611	Drab Brown	3862	Mocha Beige-DK
⦿	3052	Green Gray-MD	3053	Green Gray
⦿	733	Olive Green-MD	3347	Yellow Green-MD
▲	830	Golden Olive-DK	3347	Yellow Green-MD
⦿	3347	Yellow Green-MD	734	Olive Green-LT
⦿	838	Beige Brown-VY DK	938	Coffee Brown-UL DK
•	739	Tan-UL VY LT	745	Yellow-LT Pale
(739	Tan-UL VY LT	3823	Yellow-UL Pale
+	738	Tan-VY LT	739	Tan-UL VY LT
×	223	Shell Pink-LT	371	Mustard
=	420	Hazelnut Brown-DK	434	Brown-LT
▲	611	Drab Brown	434	Brown-LT
◆	935	Avocado Green-DK	3021	Brown Gray-VY DK
⦿	3021	Brown Gray-VY DK	3031	Mocha Brown-VY DK
➔	3031	Mocha Brown-VY DK	413	Pewter Gray-DK
↓	3021	Brown Gray-VY DK	413	Pewter Gray-DK
⦿	839	Beige Brown-DK	3862	Mocha Beige-DK
▶	632	Desert Sand-UL VY DK	3862	Mocha Beige-DK
■	839	Beige Brown-DK	611	Drab Brown
♠	370	Mustard-MD	3052	Green Gray-MD
⦿	3052	Green Gray-MD	3772	Desert Sand-VY DK
△	3072	Beaver Gray-VY LT	3743	Antique Violet-VY LT
⦿	3072	Beaver Gray-VY LT	3756	Baby Blue-UL VY LT
◦	3072	Beaver Gray-VY LT	3865	Winter White
☉	347	Salmon-VY DK	355	Terra Cotta-DK
⦿	347	Salmon-VY DK	922	Copper-LT
⬇	838	Beige Brown-VY DK	221	Shell Pink-VY DK
✱	3826	Golden Brown	355	Terra Cotta-DK
β	445	Lemon-LT	3820	Straw-DK
н	3820	Straw-DK	733	Olive Green-MD
☾	3768	Gray Green-DK	502	Blue Green
⦿	370	Mustard-MD	420	Hazelnut Brown-DK
\$	833	Golden Olive-LT	3829	Old Gold-VY DK
з	613	Drab Brown-VY LT	524	Fern Green-VY LT

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	289	113	275	108	248	97
223	Shell Pink-LT	19	7	18	7	16	6
347	Salmon-VY DK	27	10	26	10	23	9
350	Coral-MD	35	13	33	12	30	11
355	Terra Cotta-DK	70	27	67	26	60	23
356	Terra Cotta-MD	110	43	105	41	94	37
370	Mustard-MD	250	98	238	93	214	84
371	Mustard	96	37	91	35	82	32
402	Mahogany-VY LT	70	27	67	26	60	23
407	Desert Sand-DK	12	4	12	4	10	3
413	Pewter Gray-DK	339	133	323	127	290	114
420	Hazelnut Brown-DK	205	80	195	76	176	69
434	Brown-LT	269	105	256	100	231	90
445	Lemon-LT	49	19	47	18	42	16
452	Shell Gray-MD	22	8	20	7	18	7
472	Avocado Green-UL LT	16	6	15	5	14	5
502	Blue Green	21	8	20	7	18	7
503	Blue Green-MD	12	4	12	4	10	3
524	Fern Green-VY LT	78	30	74	29	67	26
543	Beige Brown-UL VY LT	74	29	70	27	63	24
603	Cranberry	1	1	1	1	1	1
611	Drab Brown	310	122	295	116	266	104
612	Drab Brown-LT	143	56	136	53	122	48
613	Drab Brown-VY LT	121	47	115	45	103	40
632	Desert Sand-UL VY DK	1447	569	1378	542	1240	488
644	Beige Gray-MD	71	27	68	26	61	24
645	Beaver Gray-VY DK	92	36	87	34	78	30
680	Old Gold-DK	25	9	24	9	22	8
704	Chartreuse-BRT	5	1	5	1	4	1
712	Cream	47	18	44	17	40	15
722	Orange Spice-LT	50	19	47	18	43	16
725	Topaz	18	7	17	6	15	5
733	Olive Green-MD	44	17	42	16	38	14
734	Olive Green-LT	83	32	79	31	71	27
738	Tan-VY LT	175	68	167	65	150	59
739	Tan-UL VY LT	98	38	93	36	84	33
745	Yellow-LT Pale	127	50	121	47	109	42
746	Off White	326	128	311	122	280	110
754	Peach-LT	45	17	43	16	38	14
762	Pearl Gray-VY LT	8	3	7	2	7	2
801	Coffee Brown-DK	1610	633	1533	603	1380	543
822	Beige Gray-LT	55	21	52	20	47	18
830	Golden Olive-DK	85	33	81	31	73	28
833	Golden Olive-LT	65	25	62	24	56	22
834	Golden Olive-VY LT	48	18	46	18	41	16
838	Beige Brown-VY DK	5222	2055	4973	1957	4476	1762
839	Beige Brown-DK	2190	862	2086	821	1877	738
922	Copper-LT	39	15	37	14	33	12
927	Gray Green-LT	6	2	5	1	5	1
931	Antique Blue-MD	7	2	7	2	6	2
934	Black Avocado Green	16135	6352	15367	6050	13830	5444
935	Avocado Green-DK	1931	760	1839	724	1655	651
938	Coffee Brown-UL DK	6757	2660	6435	2533	5791	2279

973	Canary-BRT	6	2	6	2	5	1
975	Golden Brown-DK	235	92	224	88	201	79
977	Golden Brown-LT	98	38	94	37	84	33
3013	Khaki Green-LT	131	51	125	49	112	44
3021	Brown Gray-VY DK	2715	1068	2586	1018	2327	916
3022	Brown Gray-MD	38	14	36	14	33	12
3024	Brown Gray-VY LT	73	28	69	27	62	24
3031	Mocha Brown-VY DK	5243	2064	4993	1965	4494	1769
3041	Antique Violet-MD	15	5	15	5	13	5
3045	Yellow Beige-DK	87	34	83	32	75	29
3046	Yellow Beige-MD	70	27	67	26	60	23
3052	Green Gray-MD	138	54	132	51	119	46
3053	Green Gray	115	45	110	43	99	38
3072	Beaver Gray-VY LT	85	33	81	31	73	28
3078	Golden Yellow-VY LT	102	40	97	38	88	34
3341	Apricot	50	19	47	18	42	16
3346	Hunter Green	21	8	20	7	18	7
3347	Yellow Green-MD	80	31	76	29	68	26
3354	Dusty Rose-LT	2	1	2	1	1	1
3362	Pine Green-DK	39	15	37	14	33	12
3713	Salmon-VY LT	7	2	7	2	6	2
3721	Shell Pink-DK	83	32	79	31	71	27
3743	Antique Violet-VY LT	8	3	8	3	7	2
3756	Baby Blue-UL VY LT	31	12	29	11	26	10
3768	Gray Green-DK	16	6	15	5	13	5
3770	Tawny-VY LT	103	40	98	38	89	35
3772	Desert Sand-VY DK	118	46	113	44	101	39
3778	Terra Cotta-LT	15	5	14	5	13	5
3782	Mocha Brown-LT	144	56	137	53	123	48
3787	Brown Gray-DK	36	14	34	13	30	11
3802	Antique Mauve-VY DK	740	291	704	277	634	249
3816	Celadon Green-MD	12	4	12	4	11	4
3820	Straw-DK	70	27	66	25	60	23
3823	Yellow-UL Pale	248	97	236	92	212	83
3825	Pumpkin-Pale	53	20	51	20	45	17
3826	Golden Brown	83	32	79	31	71	27
3827	Golden Brown-Pale	56	22	54	21	48	18
3828	Hazelnut Brown	152	59	145	57	130	51
3829	Old Gold-VY DK	42	16	40	15	36	14
3830	Terra Cotta-MD	107	42	102	40	92	36
3832	Raspberry-MD	12	4	12	4	10	3
3849	Teal Green-LT	12	4	11	4	10	3
3856	Mahogany-UL VY LT	83	32	79	31	71	27
3860	Cocoa	19	7	18	7	16	6
3861	Cocoa-LT	23	9	22	8	20	7
3862	Mocha Beige-DK	717	282	682	268	614	241
3865	Winter White	671	264	639	251	575	226
3866	Mocha Brown-UL VY LT	103	40	98	38	88	34
Ecrú	Ecrú	42	16	40	15	36	14

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	446	175	372	146	186	73
223	Shell Pink-LT	29	11	24	9	12	5
347	Salmon-VY DK	41	16	35	14	17	7

350	Coral-MD	54	20	45	17	23	8
355	Terra Cotta-DK	108	41	90	35	45	17
356	Terra Cotta-MD	169	67	141	56	71	28
370	Mustard-MD	385	151	321	126	161	63
371	Mustard	148	58	123	48	62	24
402	Mahogany-VY LT	108	41	90	35	45	17
407	Desert Sand-DK	18	5	15	5	8	2
413	Pewter Gray-DK	522	205	435	171	218	86
420	Hazelnut Brown-DK	317	124	264	104	132	52
434	Brown-LT	416	162	347	135	173	68
445	Lemon-LT	76	29	63	24	32	12
452	Shell Gray-MD	32	13	27	11	14	5
472	Avocado Green-UL LT	25	9	21	8	11	4
502	Blue Green	32	13	27	11	14	5
503	Blue Green-MD	18	5	15	5	8	2
524	Fern Green-VY LT	121	47	101	39	50	20
543	Beige Brown-UL VY LT	113	43	95	36	47	18
603	Cranberry	2	2	2	2	1	1
611	Drab Brown	479	187	399	156	200	78
612	Drab Brown-LT	220	86	183	72	92	36
613	Drab Brown-VY LT	185	72	155	60	77	30
632	Desert Sand-UL VY DK	2232	878	1860	732	930	366
644	Beige Gray-MD	110	43	92	36	46	18
645	Beaver Gray-VY DK	140	54	117	45	59	23
680	Old Gold-DK	40	14	33	12	17	6
704	Chartreuse-BRT	7	2	6	2	3	1
712	Cream	72	27	60	23	30	11
722	Orange Spice-LT	77	29	65	24	32	12
725	Topaz	27	9	23	8	11	4
733	Olive Green-MD	68	25	57	21	29	11
734	Olive Green-LT	128	49	107	41	53	20
738	Tan-VY LT	270	106	225	89	113	44
739	Tan-UL VY LT	151	59	126	50	63	25
745	Yellow-LT Pale	196	76	164	63	82	32
746	Off White	504	198	420	165	210	83
754	Peach-LT	68	25	57	21	29	11
762	Pearl Gray-VY LT	13	4	11	3	5	2
801	Coffee Brown-DK	2484	977	2070	815	1035	407
822	Beige Gray-LT	85	32	71	27	35	14
830	Golden Olive-DK	131	50	110	42	55	21
833	Golden Olive-LT	101	40	84	33	42	17
834	Golden Olive-VY LT	74	29	62	24	31	12
838	Beige Brown-VY DK	8057	3172	6714	2643	3357	1322
839	Beige Brown-DK	3379	1328	2816	1107	1408	554
922	Copper-LT	59	22	50	18	25	9
927	Gray Green-LT	9	2	8	2	4	1
931	Antique Blue-MD	11	4	9	3	5	2
934	Black Avocado Green	24894	9799	20745	8166	10373	4083
935	Avocado Green-DK	2979	1172	2483	977	1241	488
938	Coffee Brown-UL DK	10424	4102	8687	3419	4343	1709
973	Canary-BRT	9	2	8	2	4	1
975	Golden Brown-DK	362	142	302	119	151	59
977	Golden Brown-LT	151	59	126	50	63	25
3013	Khaki Green-LT	202	79	168	66	84	33
3021	Brown Gray-VY DK	4189	1649	3491	1374	1745	687
3022	Brown Gray-MD	59	22	50	18	25	9
3024	Brown Gray-VY LT	112	43	93	36	47	18
3031	Mocha Brown-VY DK	8089	3184	6741	2654	3371	1327
3041	Antique Violet-MD	23	9	20	8	10	4

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3045	Yellow Beige-DK	135	52	113	44	56	22
3046	Yellow Beige-MD	108	41	90	35	45	17
3052	Green Gray-MD	214	83	179	69	89	35
3053	Green Gray	178	68	149	57	74	29
3072	Beaver Gray-VY LT	131	50	110	42	55	21
3078	Golden Yellow-VY LT	158	61	132	51	66	26
3341	Apricot	76	29	63	24	32	12
3346	Hunter Green	32	13	27	11	14	5
3347	Yellow Green-MD	122	47	102	39	51	20
3354	Dusty Rose-LT	2	2	2	2	1	1
3362	Pine Green-DK	59	22	50	18	25	9
3713	Salmon-VY LT	11	4	9	3	5	2
3721	Shell Pink-DK	128	49	107	41	53	20
3743	Antique Violet-VY LT	13	4	11	3	5	2
3756	Baby Blue-UL VY LT	47	18	39	15	20	8
3768	Gray Green-DK	23	9	20	8	10	4
3770	Tawny-VY LT	160	63	134	53	67	26
3772	Desert Sand-VY DK	182	70	152	59	76	29
3778	Terra Cotta-LT	23	9	20	8	10	4
3782	Mocha Brown-LT	221	86	185	72	92	36
3787	Brown Gray-DK	54	20	45	17	23	8
3802	Antique Mauve-VY DK	1141	448	951	374	476	187
3816	Celadon Green-MD	20	7	17	6	8	3
3820	Straw-DK	108	41	90	35	45	17
3823	Yellow-UL Pale	382	149	318	125	159	62
3825	Pumpkin-Pale	81	31	68	26	34	13
3826	Golden Brown	128	49	107	41	53	20
3827	Golden Brown-Pale	86	32	72	27	36	14
3828	Hazelnut Brown	234	92	195	77	98	38
3829	Old Gold-VY DK	65	25	54	21	27	11
3830	Terra Cotta-MD	166	65	138	54	69	27
3832	Raspberry-MD	18	5	15	5	8	2
3849	Teal Green-LT	18	5	15	5	8	2
3856	Mahogany-UL VY LT	128	49	107	41	53	20
3860	Cocoa	29	11	24	9	12	5
3861	Cocoa-LT	36	13	30	11	15	5
3862	Mocha Beige-DK	1105	434	921	362	461	181
3865	Winter White	1035	407	863	339	431	170
3866	Mocha Brown-UL VY LT	158	61	132	51	66	26
Ecru	Ecru	65	25	54	21	27	11

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	179	70	172	67	165	65
223	Shell Pink-LT	12	4	11	4	11	4
347	Salmon-VY DK	17	6	16	6	15	6
350	Coral-MD	22	8	21	8	20	7
355	Terra Cotta-DK	43	17	42	16	40	15
356	Terra Cotta-MD	68	27	65	26	63	25
370	Mustard-MD	154	60	148	58	143	56
371	Mustard	59	23	57	22	55	21
402	Mahogany-VY LT	43	17	42	16	40	15
407	Desert Sand-DK	7	2	7	2	7	2
413	Pewter Gray-DK	209	82	201	79	193	76
420	Hazelnut Brown-DK	127	50	122	48	117	46

434	Brown-LT	166	65	160	62	154	60
445	Lemon-LT	30	12	29	11	28	11
452	Shell Gray-MD	13	5	12	5	12	5
472	Avocado Green-UL LT	10	4	10	3	9	3
502	Blue Green	13	5	12	5	12	5
503	Blue Green-MD	7	2	7	2	7	2
524	Fern Green-VY LT	48	19	46	18	45	17
543	Beige Brown-UL VY LT	45	17	44	17	42	16
603	Cranberry	1	1	1	1	1	1
611	Drab Brown	192	75	184	72	177	69
612	Drab Brown-LT	88	35	84	33	81	32
613	Drab Brown-VY LT	74	29	71	28	69	27
632	Desert Sand-UL VY DK	893	351	858	338	827	325
644	Beige Gray-MD	44	17	42	17	41	16
645	Beaver Gray-VY DK	56	22	54	21	52	20
680	Old Gold-DK	16	6	15	6	15	5
704	Chartreuse-BRT	3	1	3	1	3	1
712	Cream	29	11	28	10	27	10
722	Orange Spice-LT	31	12	30	11	29	11
725	Topaz	11	4	10	3	10	3
733	Olive Green-MD	27	10	26	10	25	9
734	Olive Green-LT	51	19	49	19	47	18
738	Tan-VY LT	108	42	104	41	100	39
739	Tan-UL VY LT	60	24	58	23	56	22
745	Yellow-LT Pale	78	30	75	29	73	28
746	Off White	202	79	194	76	187	73
754	Peach-LT	27	10	26	10	25	9
762	Pearl Gray-VY LT	5	1	5	1	5	1
801	Coffee Brown-DK	994	391	955	376	920	362
822	Beige Gray-LT	34	13	33	12	31	12
830	Golden Olive-DK	53	20	51	19	49	19
833	Golden Olive-LT	40	16	39	15	37	15
834	Golden Olive-VY LT	30	12	28	11	27	11
838	Beige Brown-VY DK	3223	1269	3099	1220	2984	1175
839	Beige Brown-DK	1351	531	1299	511	1251	492
922	Copper-LT	24	9	23	8	22	8
927	Gray Green-LT	4	1	3	1	3	1
931	Antique Blue-MD	4	1	4	1	4	1
934	Black Avocado Green	9958	3920	9575	3769	9220	3629
935	Avocado Green-DK	1192	469	1146	451	1103	434
938	Coffee Brown-UL DK	4170	1641	4009	1578	3861	1519
973	Canary-BRT	4	1	3	1	3	1
975	Golden Brown-DK	145	57	139	55	134	53
977	Golden Brown-LT	60	24	58	23	56	22
3013	Khaki Green-LT	81	32	78	30	75	29
3021	Brown Gray-VY DK	1675	660	1611	634	1551	611
3022	Brown Gray-MD	24	9	23	8	22	8
3024	Brown Gray-VY LT	45	17	43	17	41	16
3031	Mocha Brown-VY DK	3236	1274	3111	1225	2996	1179
3041	Antique Violet-MD	9	4	9	3	9	3
3045	Yellow Beige-DK	54	21	52	20	50	19
3046	Yellow Beige-MD	43	17	42	16	40	15
3052	Green Gray-MD	86	33	82	32	79	31
3053	Green Gray	71	27	69	26	66	25
3072	Beaver Gray-VY LT	53	20	51	19	49	19
3078	Golden Yellow-VY LT	63	24	61	24	59	23
3341	Apricot	30	12	29	11	28	11
3346	Hunter Green	13	5	12	5	12	5
3347	Yellow Green-MD	49	19	47	18	45	17

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3354	Dusty Rose-LT	1	1	1	1	1	1
3362	Pine Green-DK	24	9	23	8	22	8
3713	Salmon-VY LT	4	1	4	1	4	1
3721	Shell Pink-DK	51	19	49	19	47	18
3743	Antique Violet-VY LT	5	1	5	1	5	1
3756	Baby Blue-UL VY LT	19	7	18	7	17	7
3768	Gray Green-DK	9	4	9	3	9	3
3770	Tawny-VY LT	64	25	62	24	59	23
3772	Desert Sand-VY DK	73	28	70	27	67	26
3778	Terra Cotta-LT	9	4	9	3	9	3
3782	Mocha Brown-LT	89	35	85	33	82	32
3787	Brown Gray-DK	22	8	21	8	20	7
3802	Antique Mauve-VY DK	456	179	439	172	423	166
3816	Celadon Green-MD	8	3	8	3	7	3
3820	Straw-DK	43	17	42	16	40	15
3823	Yellow-UL Pale	153	60	147	57	141	55
3825	Pumpkin-Pale	32	12	31	12	30	11
3826	Golden Brown	51	19	49	19	47	18
3827	Golden Brown-Pale	35	13	33	12	32	12
3828	Hazelnut Brown	94	37	90	35	87	34
3829	Old Gold-VY DK	26	10	25	10	24	9
3830	Terra Cotta-MD	66	26	64	25	61	24
3832	Raspberry-MD	7	2	7	2	7	2
3849	Teal Green-LT	7	2	7	2	7	2
3856	Mahogany-UL VY LT	51	19	49	19	47	18
3860	Cocoa	12	4	11	4	11	4
3861	Cocoa-LT	14	5	14	5	13	5
3862	Mocha Beige-DK	442	174	425	167	409	161
3865	Winter White	414	163	398	156	383	151
3866	Mocha Brown-UL VY LT	63	24	61	24	59	23
Ecru	Ecru	26	10	25	10	24	9

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	159	62	149	58	140	55
223	Shell Pink-LT	10	4	10	4	9	3
347	Salmon-VY DK	15	6	14	5	13	5
350	Coral-MD	19	7	18	7	17	6
355	Terra Cotta-DK	39	15	36	14	34	13
356	Terra Cotta-MD	60	24	56	22	53	21
370	Mustard-MD	138	54	128	50	120	47
371	Mustard	53	21	49	19	46	18
402	Mahogany-VY LT	39	15	36	14	34	13
407	Desert Sand-DK	6	2	6	2	6	2
413	Pewter Gray-DK	186	73	174	68	163	64
420	Hazelnut Brown-DK	113	44	106	41	99	39
434	Brown-LT	149	58	139	54	130	51
445	Lemon-LT	27	10	25	10	24	9
452	Shell Gray-MD	12	5	11	4	10	4
472	Avocado Green-UL LT	9	3	8	3	8	3
502	Blue Green	12	5	11	4	10	4
503	Blue Green-MD	6	2	6	2	6	2
524	Fern Green-VY LT	43	17	40	16	38	15
543	Beige Brown-UL VY LT	41	15	38	14	35	14
603	Cranberry	1	1	1	1	1	1

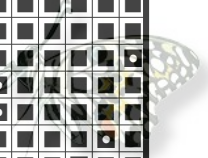
611	Drab Brown	171	67	160	62	150	59
612	Drab Brown-LT	78	31	73	29	69	27
613	Drab Brown-VY LT	66	26	62	24	58	23
632	Desert Sand-UL VY DK	797	314	744	293	698	275
644	Beige Gray-MD	39	15	37	14	34	14
645	Beaver Gray-VY DK	50	19	47	18	44	17
680	Old Gold-DK	14	5	13	5	12	5
704	Chartreuse-BRT	3	1	2	1	2	1
712	Cream	26	10	24	9	23	8
722	Orange Spice-LT	28	10	26	10	24	9
725	Topaz	10	3	9	3	8	3
733	Olive Green-MD	24	9	23	8	21	8
734	Olive Green-LT	46	17	43	16	40	15
738	Tan-VY LT	96	38	90	35	84	33
739	Tan-UL VY LT	54	21	50	20	47	19
745	Yellow-LT Pale	70	27	65	25	61	24
746	Off White	180	71	168	66	158	62
754	Peach-LT	24	9	23	8	21	8
762	Pearl Gray-VY LT	5	1	4	1	4	1
801	Coffee Brown-DK	887	349	828	326	776	305
822	Beige Gray-LT	30	12	28	11	26	10
830	Golden Olive-DK	47	18	44	17	41	16
833	Golden Olive-LT	36	14	34	13	32	12
834	Golden Olive-VY LT	26	10	25	10	23	9
838	Beige Brown-VY DK	2877	1133	2686	1057	2518	991
839	Beige Brown-DK	1207	474	1126	443	1056	415
922	Copper-LT	21	8	20	7	19	7
927	Gray Green-LT	3	1	3	1	3	1
931	Antique Blue-MD	4	1	4	1	3	1
934	Black Avocado Green	8891	3500	8298	3266	7779	3062
935	Avocado Green-DK	1064	419	993	391	931	366
938	Coffee Brown-UL DK	3723	1465	3475	1367	3257	1282
973	Canary-BRT	3	1	3	1	3	1
975	Golden Brown-DK	129	51	121	47	113	44
977	Golden Brown-LT	54	21	50	20	47	19
3013	Khaki Green-LT	72	28	67	26	63	25
3021	Brown Gray-VY DK	1496	589	1396	550	1309	515
3022	Brown Gray-MD	21	8	20	7	19	7
3024	Brown Gray-VY LT	40	15	37	14	35	14
3031	Mocha Brown-VY DK	2889	1137	2696	1061	2528	995
3041	Antique Violet-MD	8	3	8	3	7	3
3045	Yellow Beige-DK	48	19	45	17	42	16
3046	Yellow Beige-MD	39	15	36	14	34	13
3052	Green Gray-MD	77	30	71	28	67	26
3053	Green Gray	64	24	59	23	56	21
3072	Beaver Gray-VY LT	47	18	44	17	41	16
3078	Golden Yellow-VY LT	57	22	53	20	50	19
3341	Apricot	27	10	25	10	24	9
3346	Hunter Green	12	5	11	4	10	4
3347	Yellow Green-MD	44	17	41	16	38	15
3354	Dusty Rose-LT	1	1	1	1	1	1
3362	Pine Green-DK	21	8	20	7	19	7
3713	Salmon-VY LT	4	1	4	1	3	1
3721	Shell Pink-DK	46	17	43	16	40	15
3743	Antique Violet-VY LT	5	1	4	1	4	1
3756	Baby Blue-UL VY LT	17	6	16	6	15	6
3768	Gray Green-DK	8	3	8	3	7	3
3770	Tawny-VY LT	57	23	53	21	50	20
3772	Desert Sand-VY DK	65	25	61	23	57	22

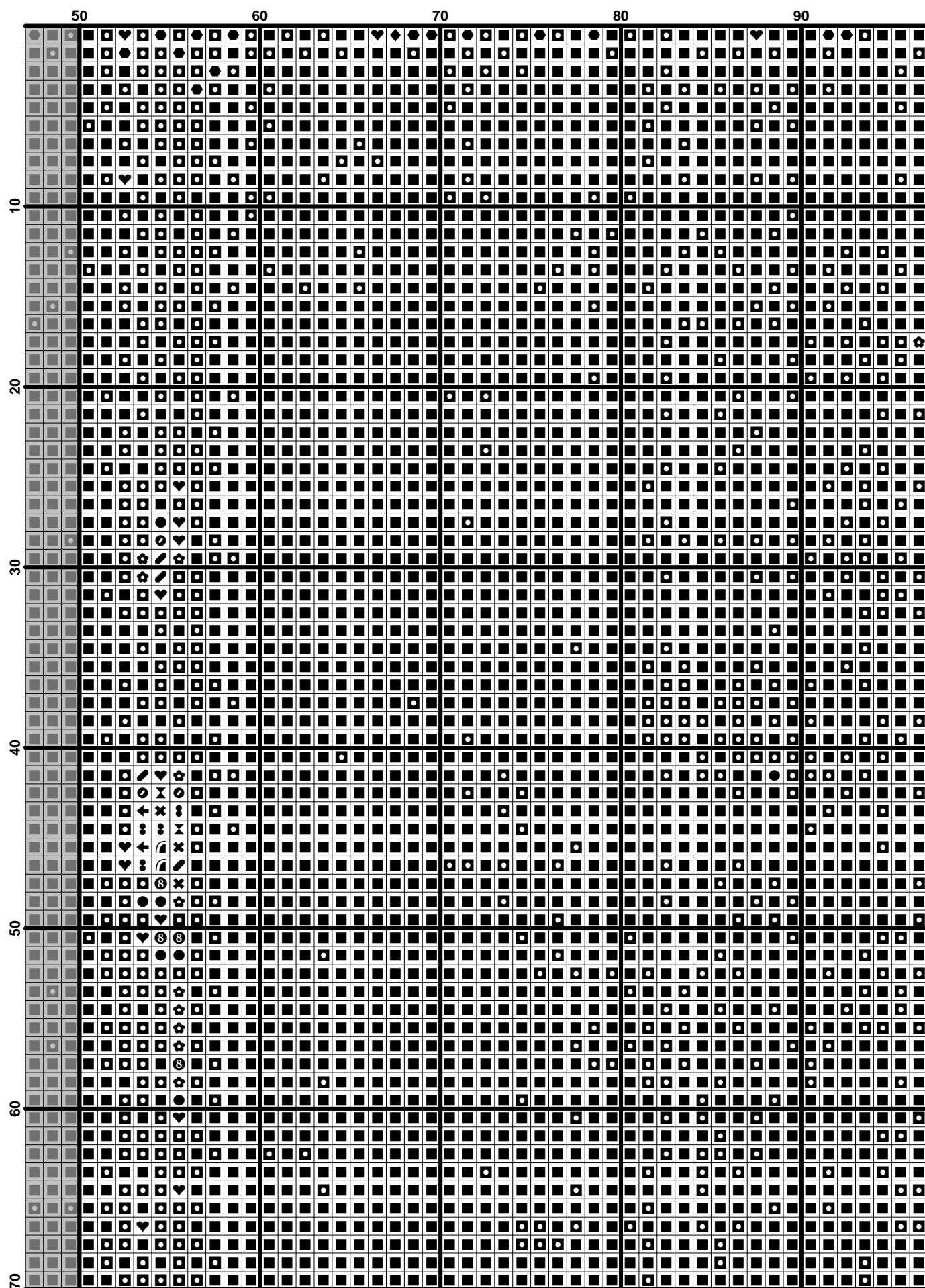
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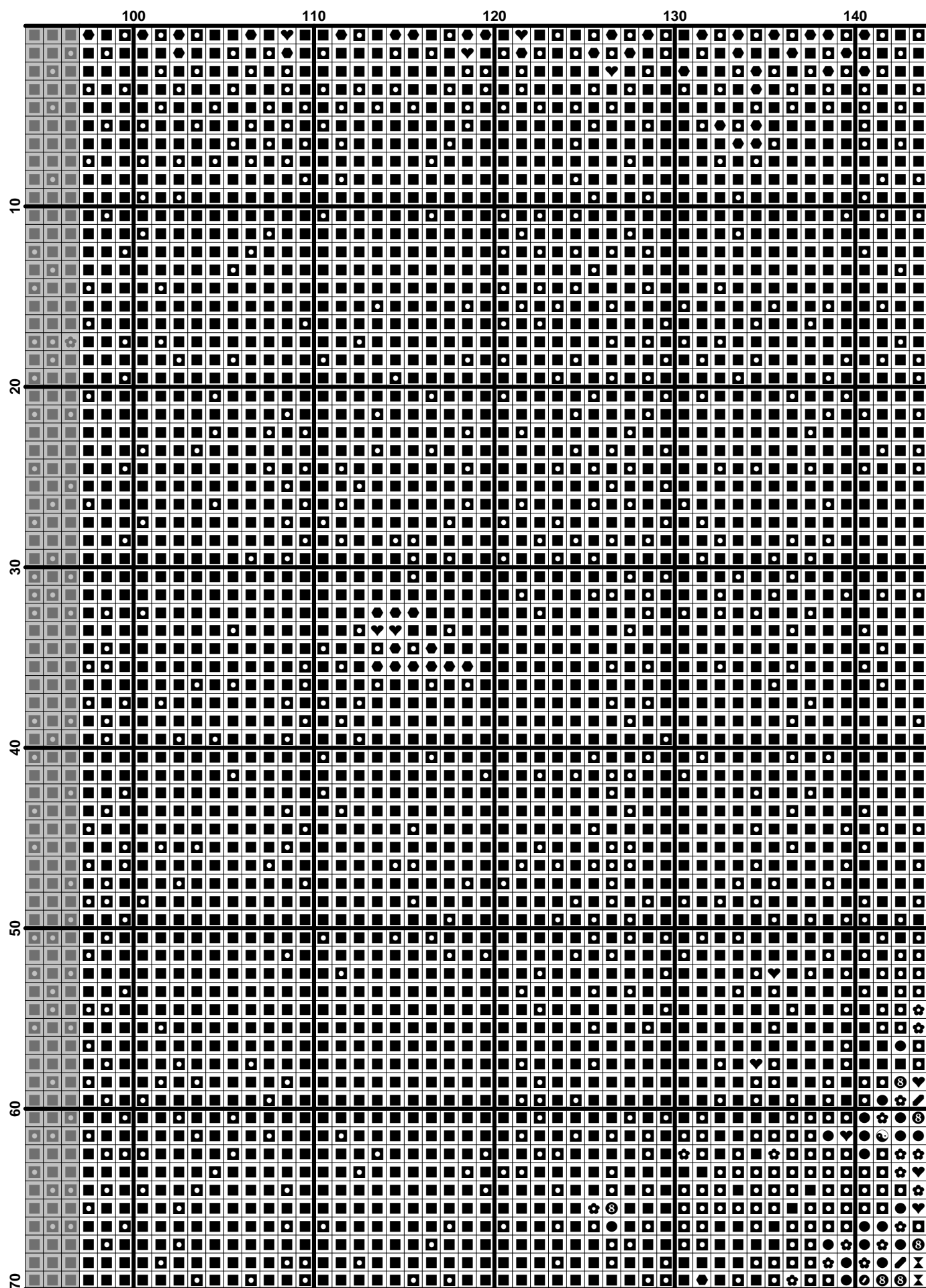
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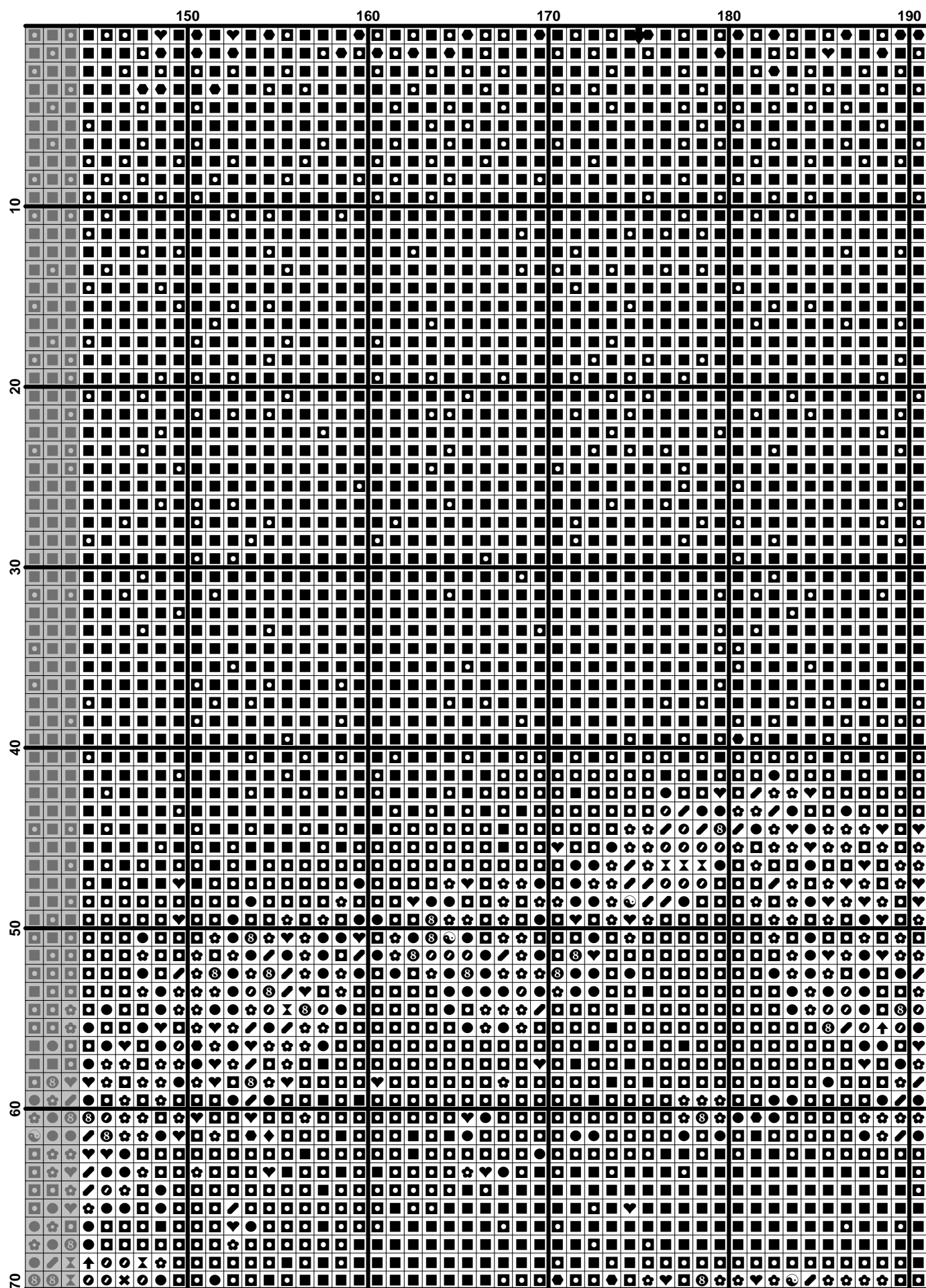
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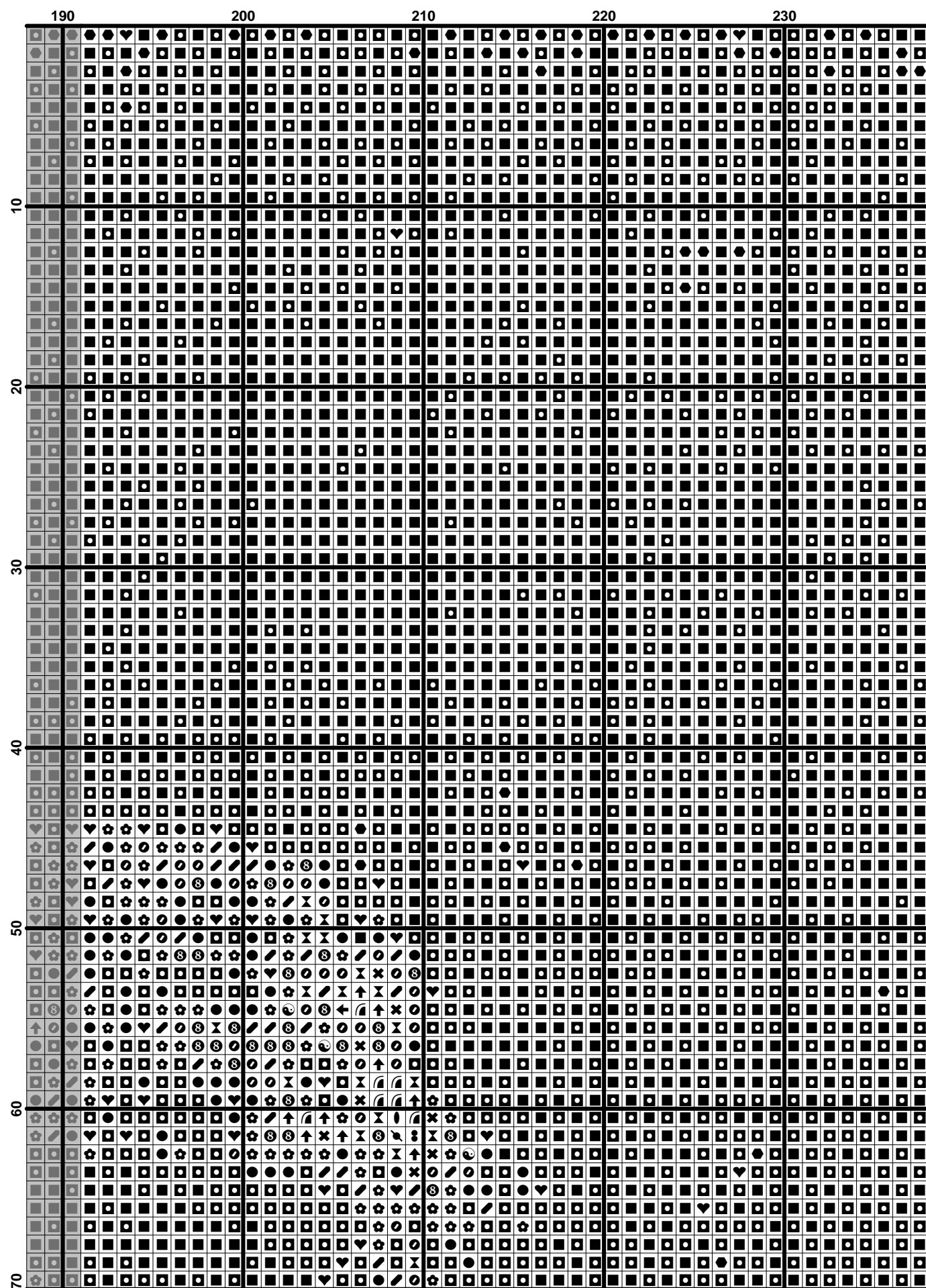
3778	Terra Cotta-LT	8	3	8	3	7	3
3782	Mocha Brown-LT	79	31	74	29	69	27
3787	Brown Gray-DK	19	7	18	7	17	6
3802	Antique Mauve-VY DK	408	160	380	149	357	140
3816	Celadon Green-MD	7	3	7	2	6	2
3820	Straw-DK	39	15	36	14	34	13
3823	Yellow-UL Pale	136	53	127	50	119	47
3825	Pumpkin-Pale	29	11	27	10	25	10
3826	Golden Brown	46	17	43	16	40	15
3827	Golden Brown-Pale	31	12	29	11	27	10
3828	Hazelnut Brown	84	33	78	31	73	29
3829	Old Gold-VY DK	23	9	22	8	20	8
3830	Terra Cotta-MD	59	23	55	22	52	20
3832	Raspberry-MD	6	2	6	2	6	2
3849	Teal Green-LT	6	2	6	2	6	2
3856	Mahogany-UL VY LT	46	17	43	16	40	15
3860	Cocoa	10	4	10	4	9	3
3861	Cocoa-LT	13	5	12	4	11	4
3862	Mocha Beige-DK	395	155	368	145	345	136
3865	Winter White	370	145	345	136	323	127
3866	Mocha Brown-UL VY LT	57	22	53	20	50	19
Ecru	Ecru	23	9	22	8	20	8

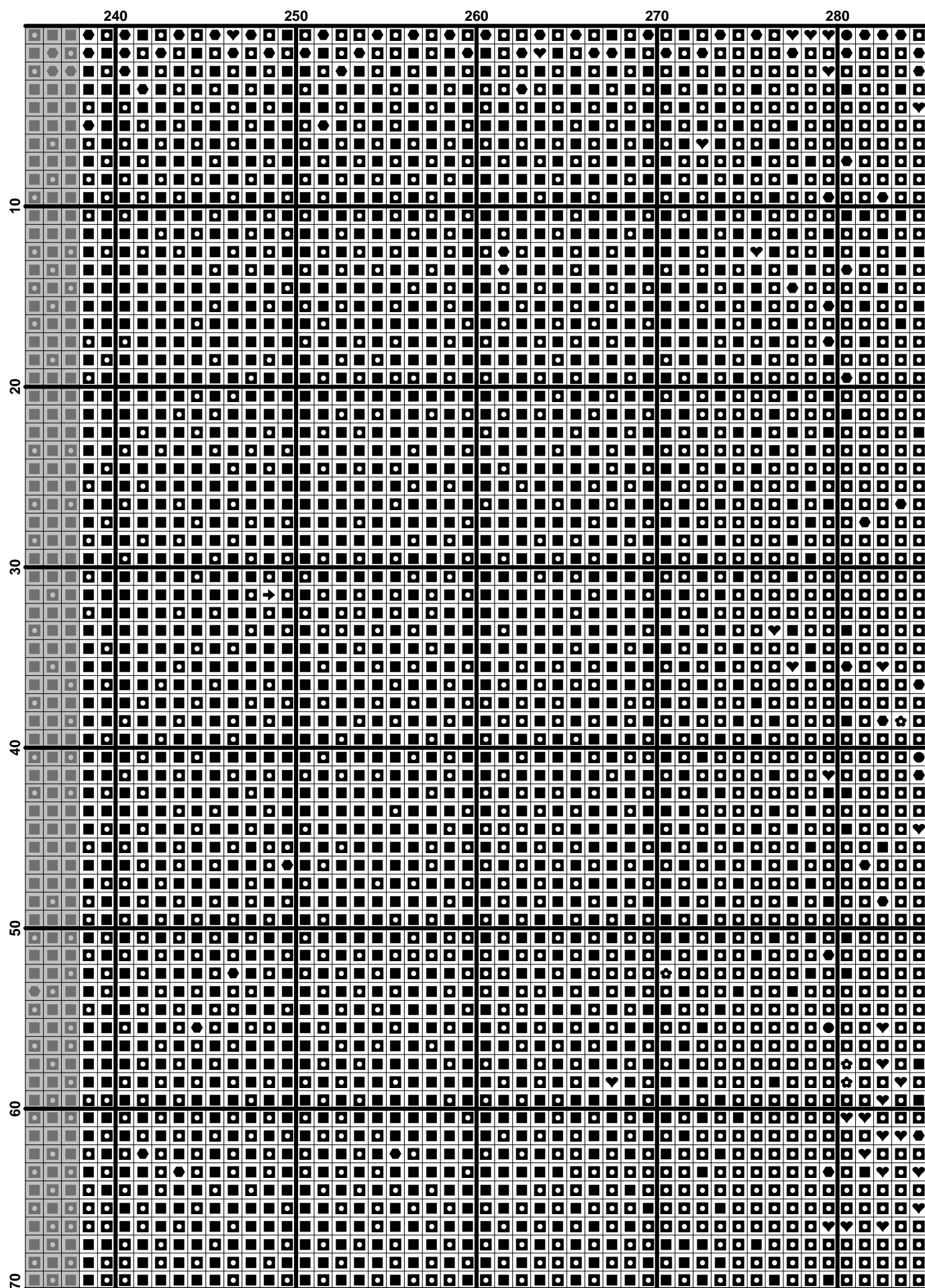






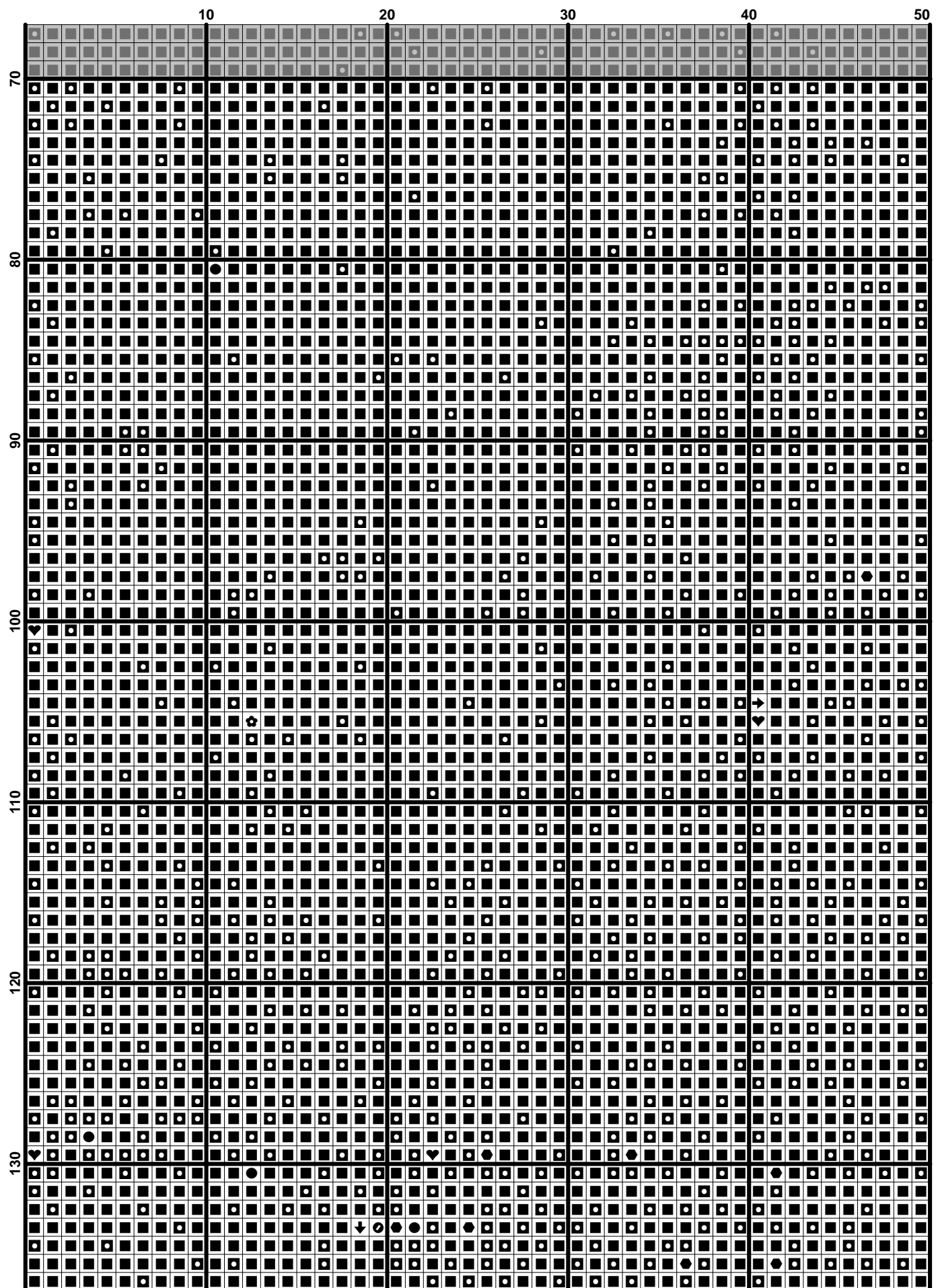


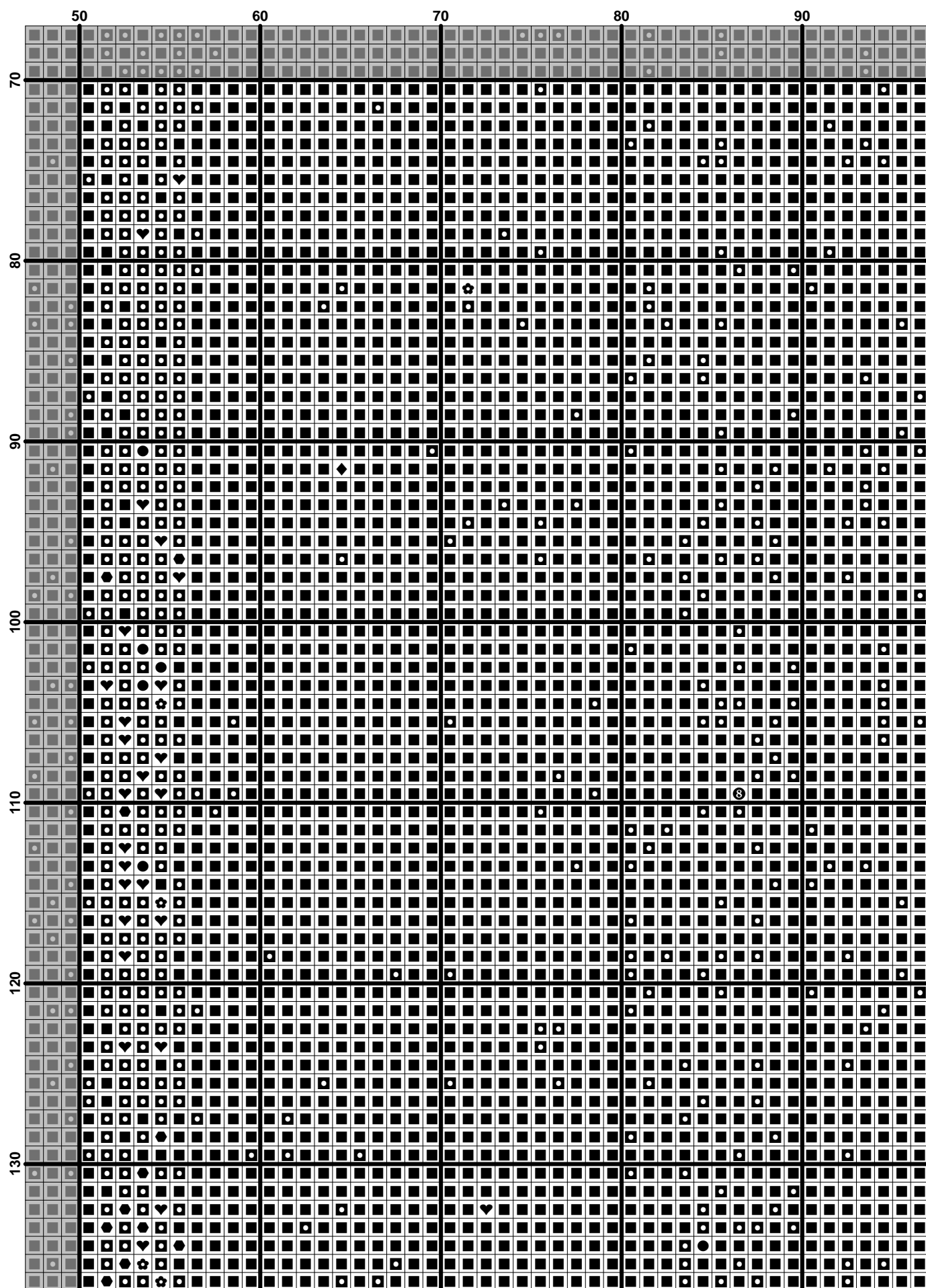


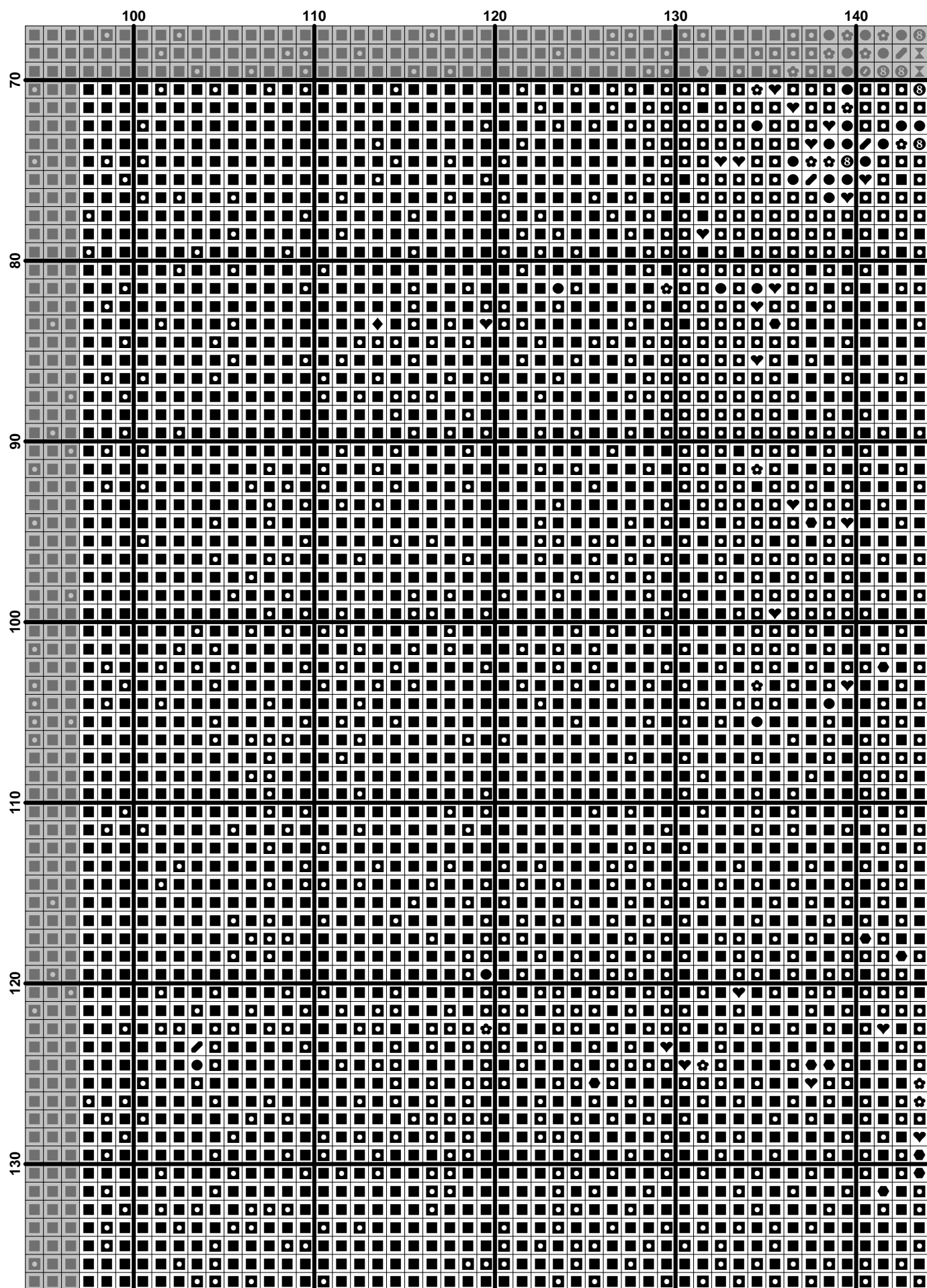


	290	300	310	320	330
10
20
30
40
50
60
70

(16)



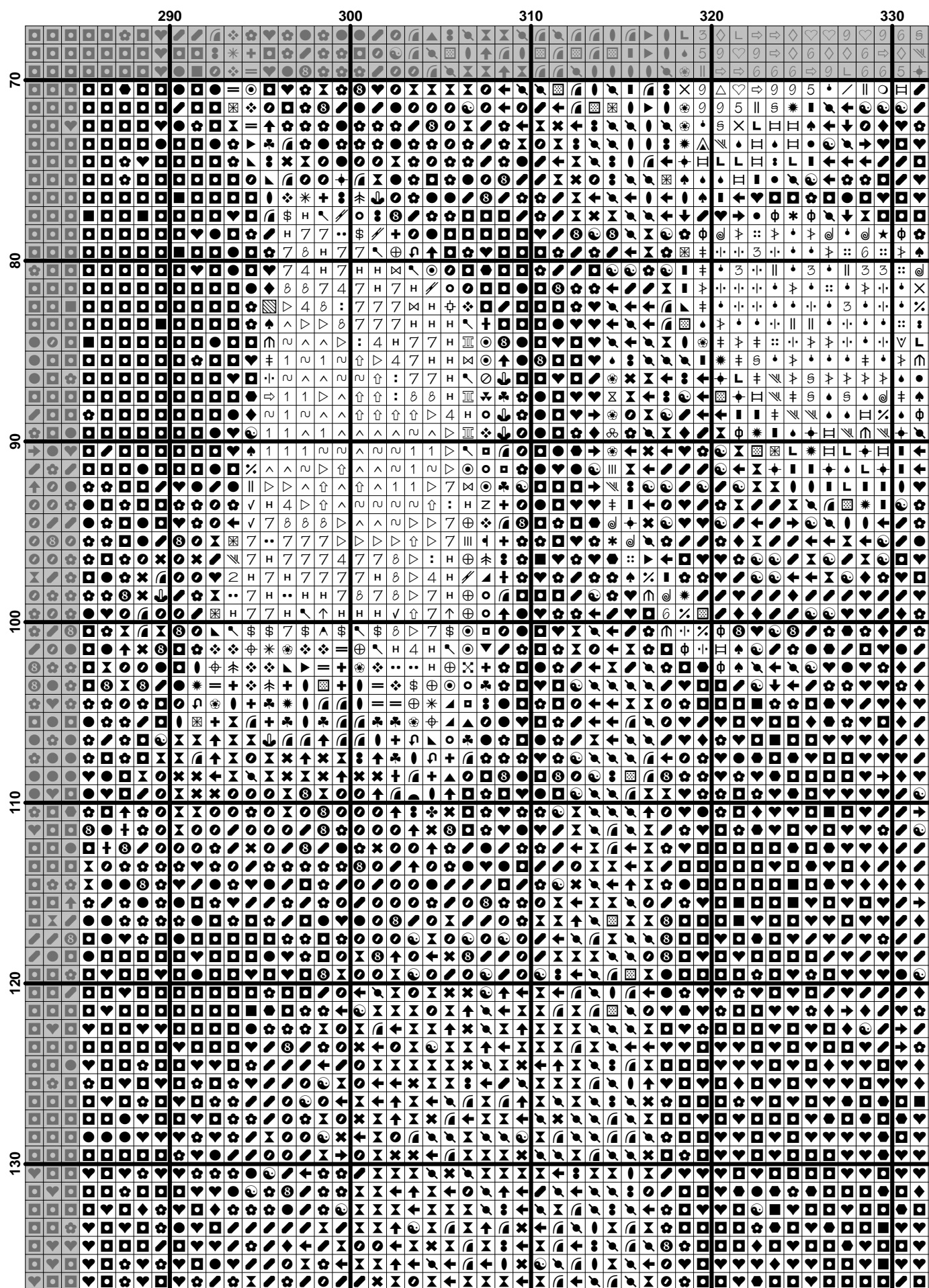


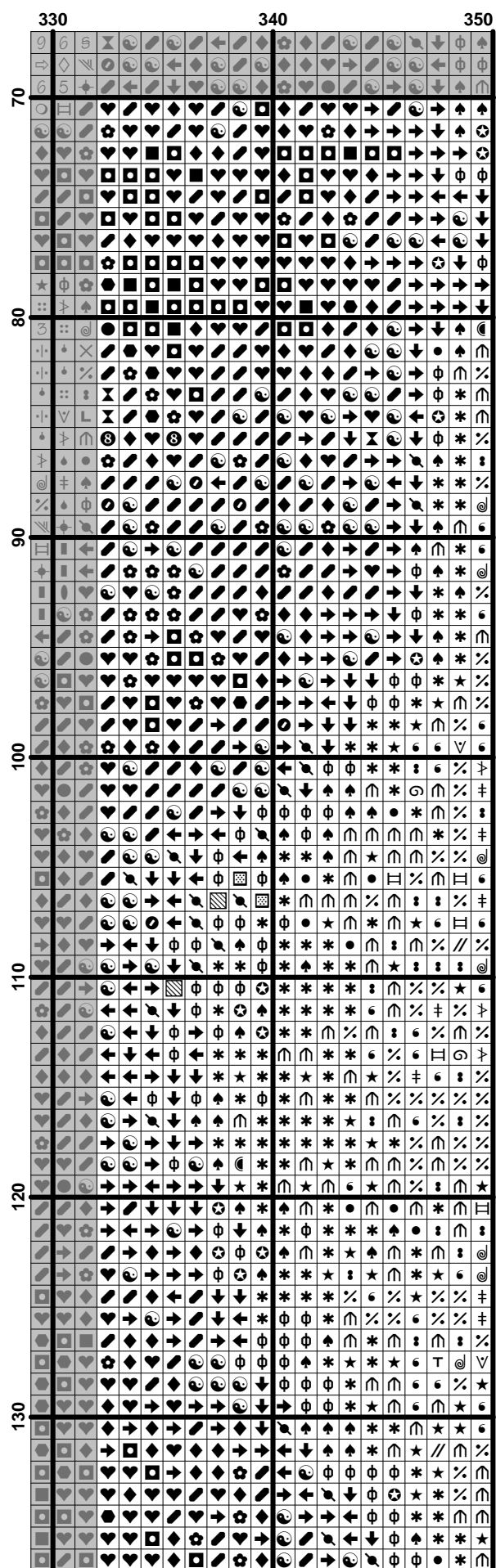


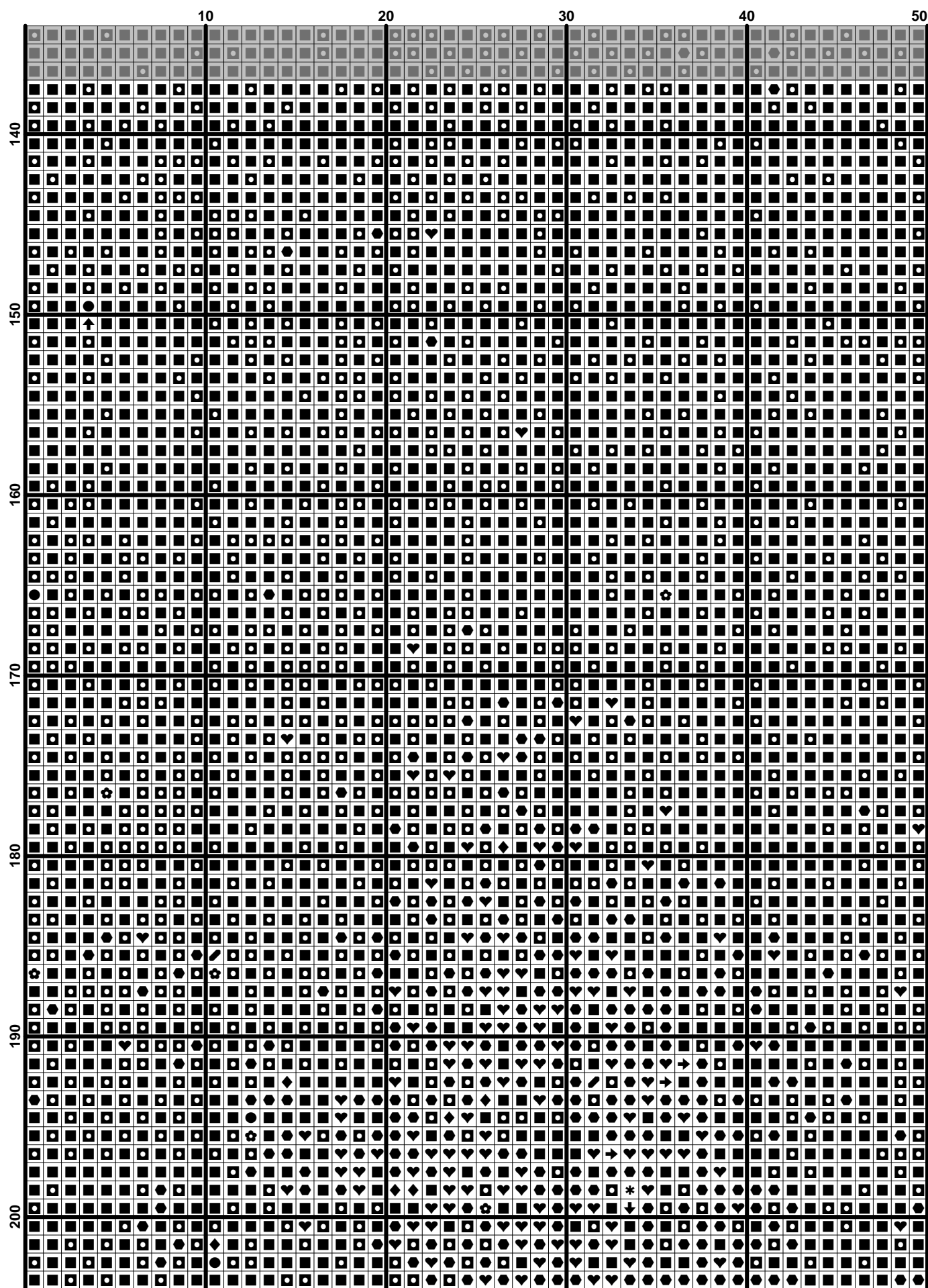
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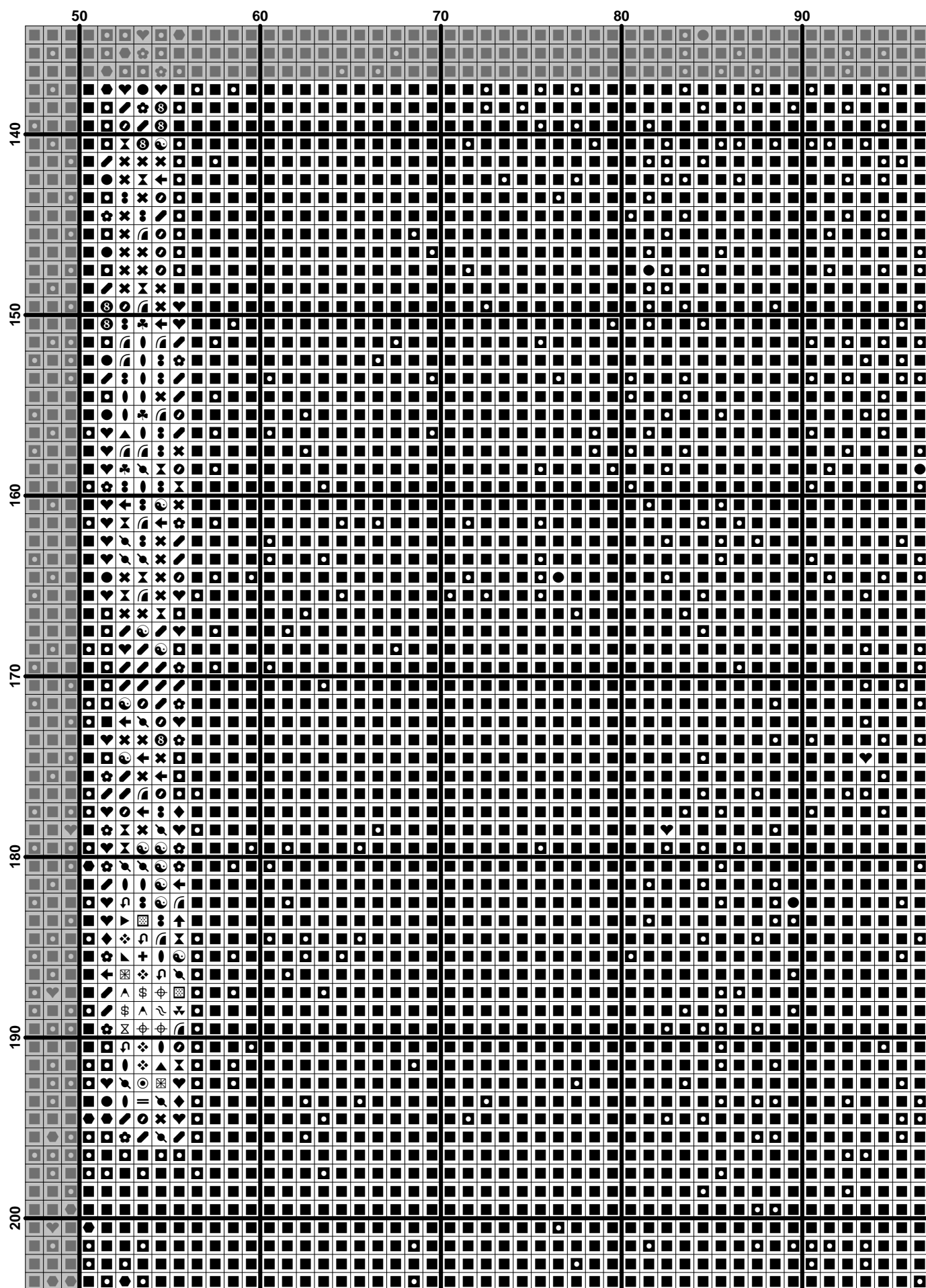
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70					
80					
90					
100					
110					
120					
130					









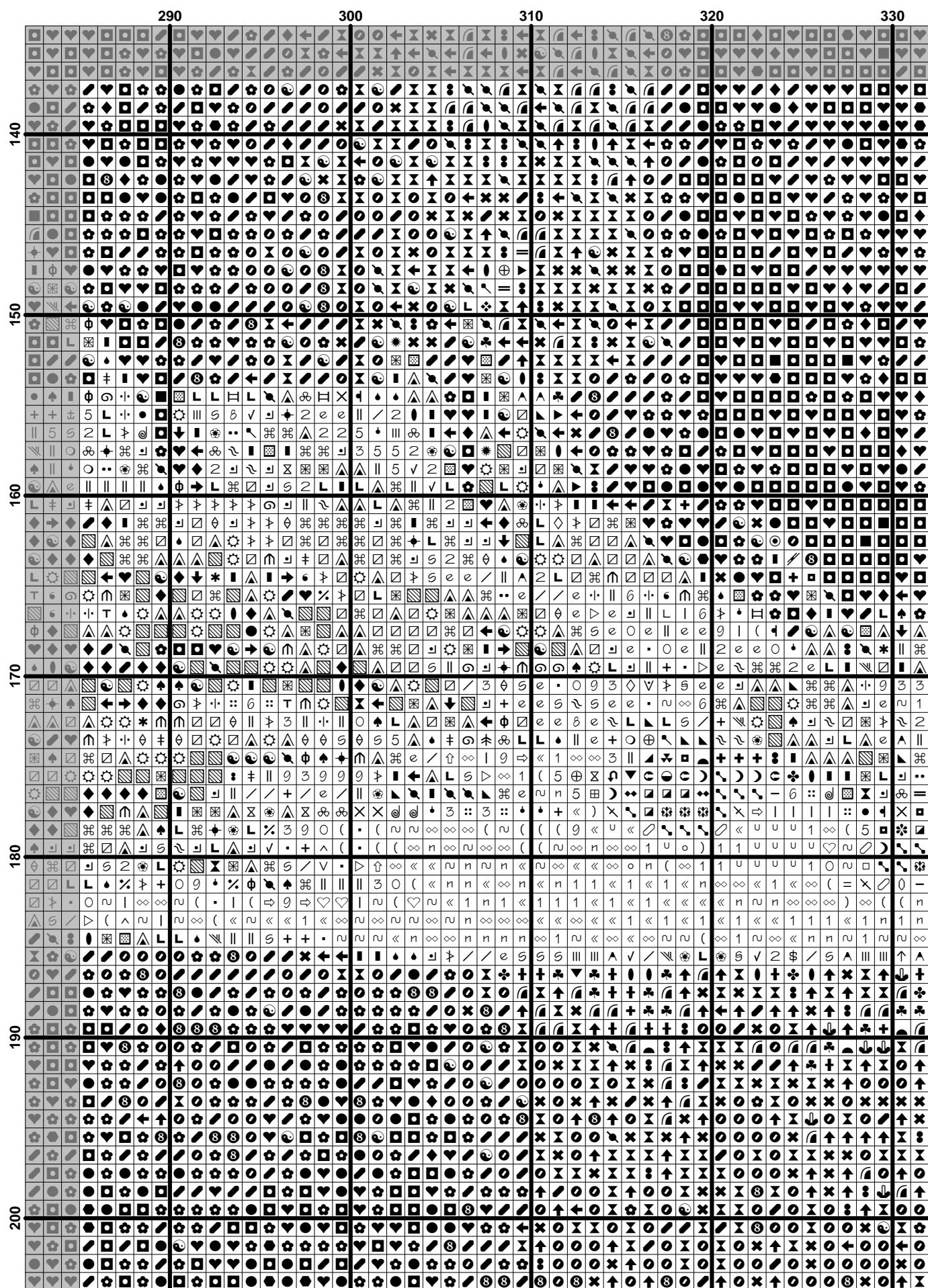


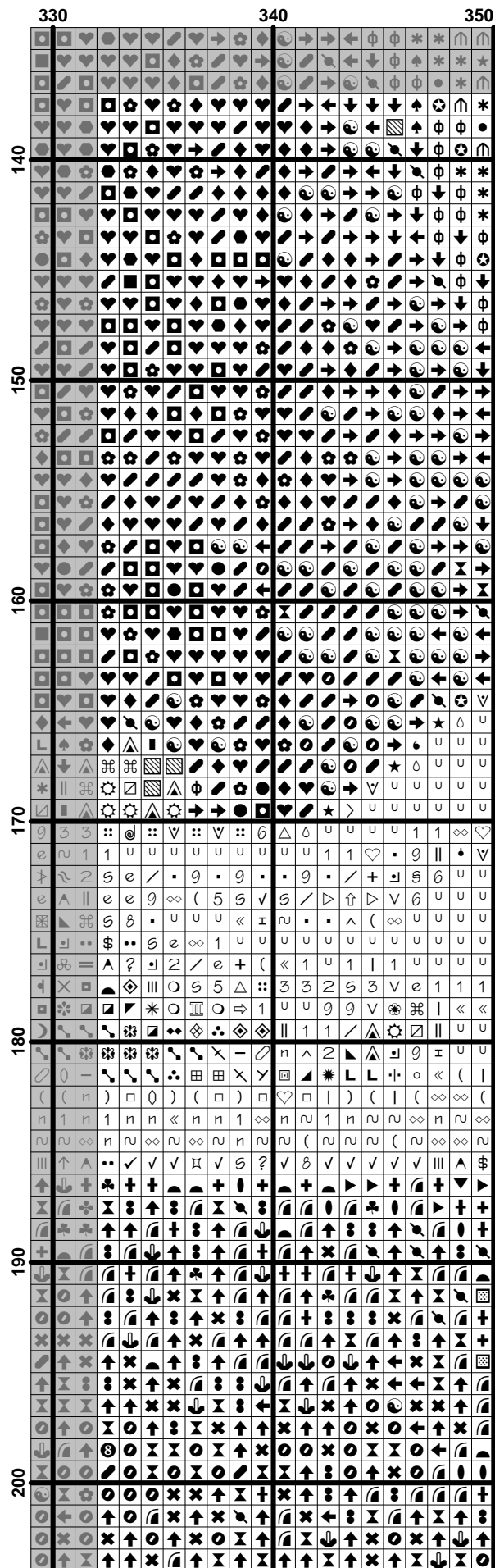
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140					
150					
160					
170					
180					
190					
200					

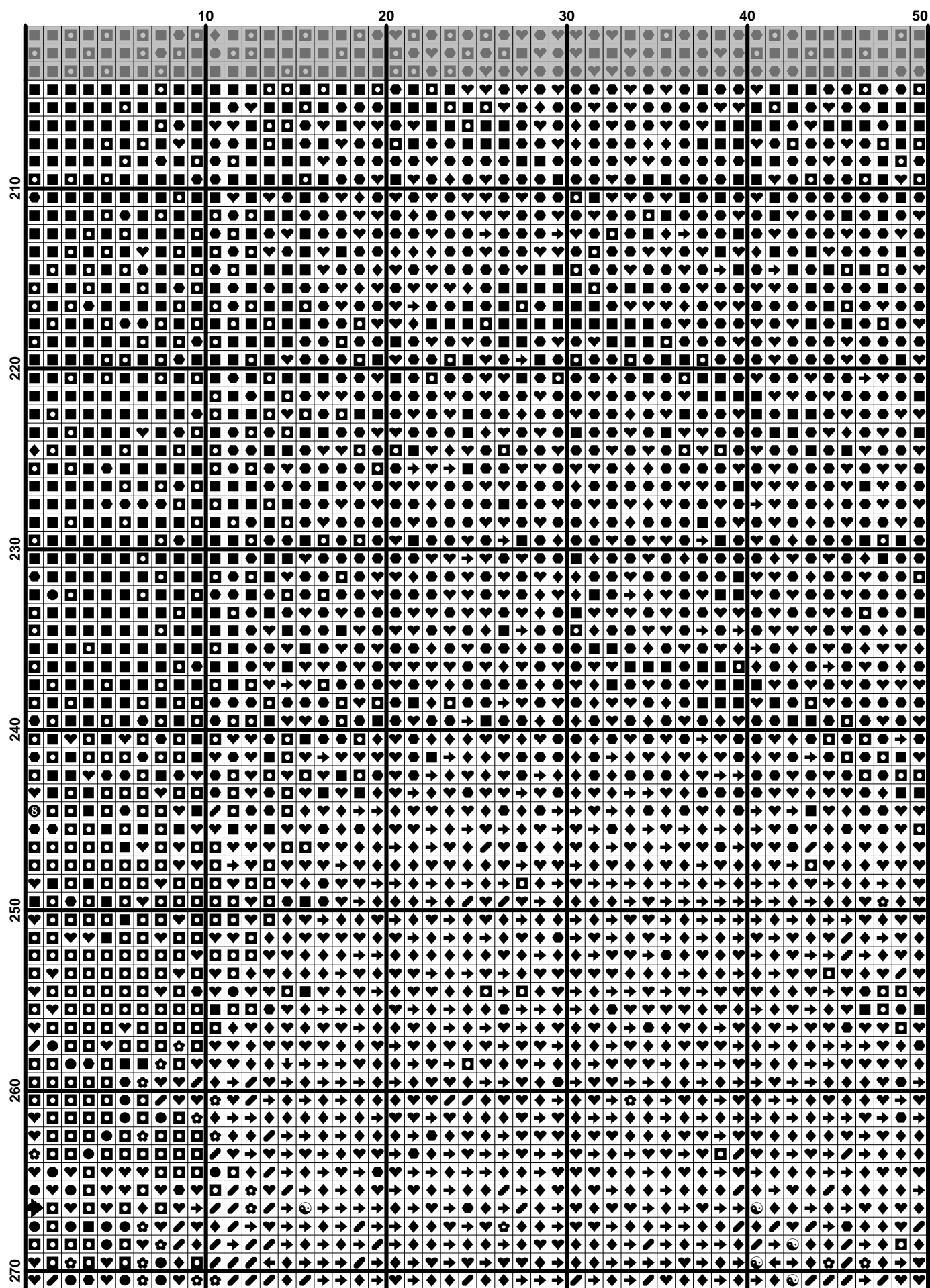
	150	160	170	180	190
140					
150					
160					
170					
180					
190					
200					

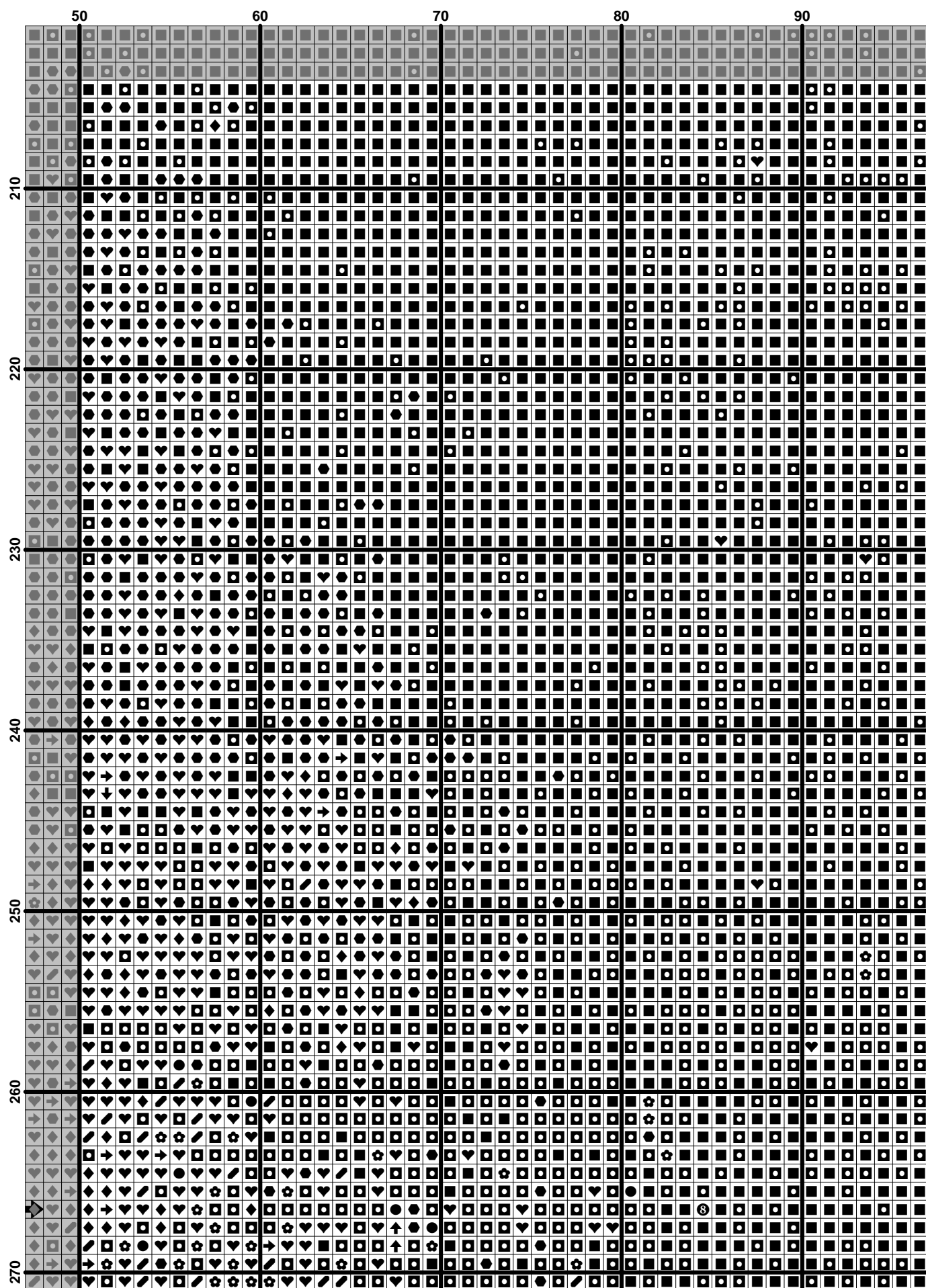
$$(29) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (30)$$

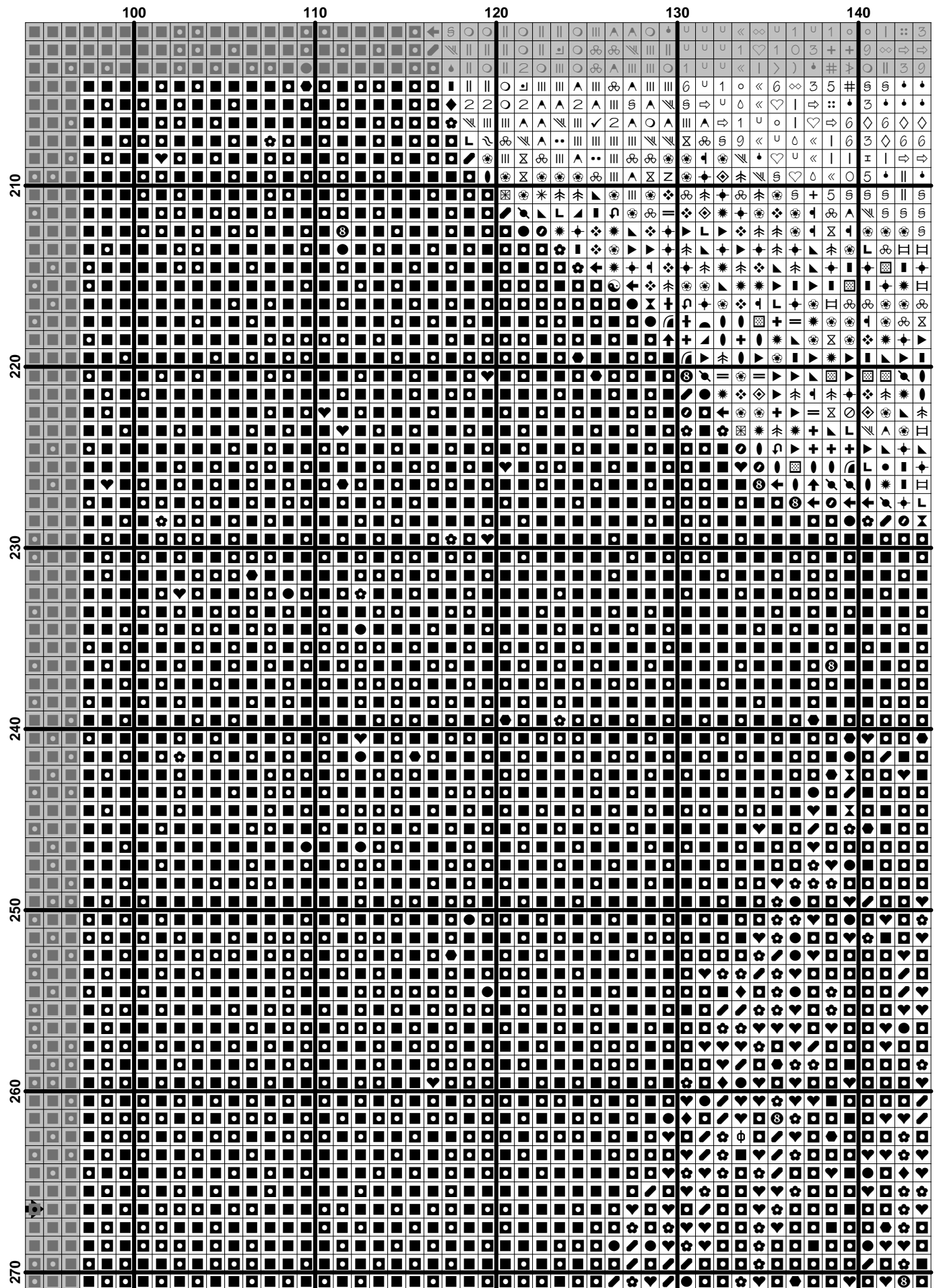
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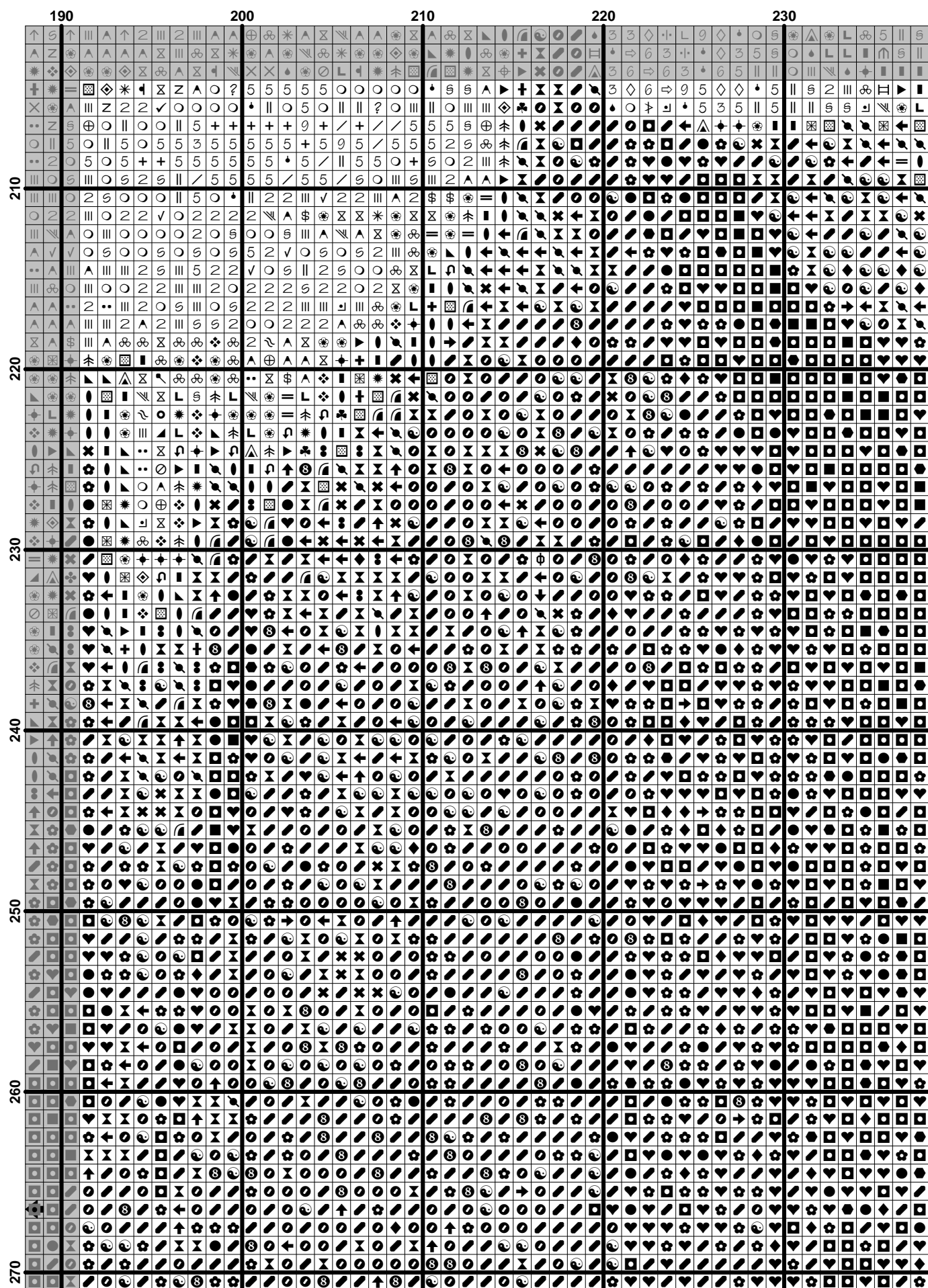


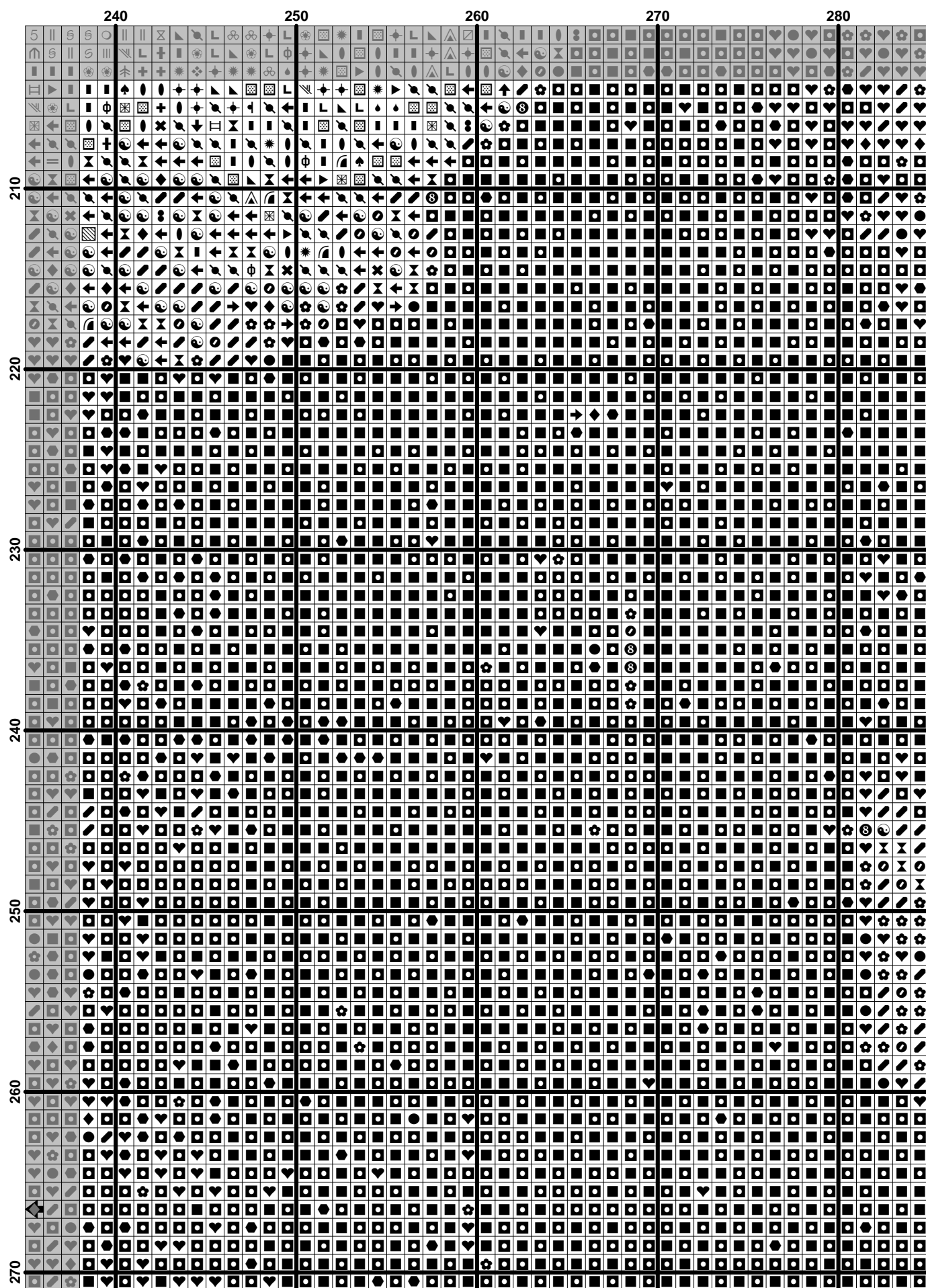


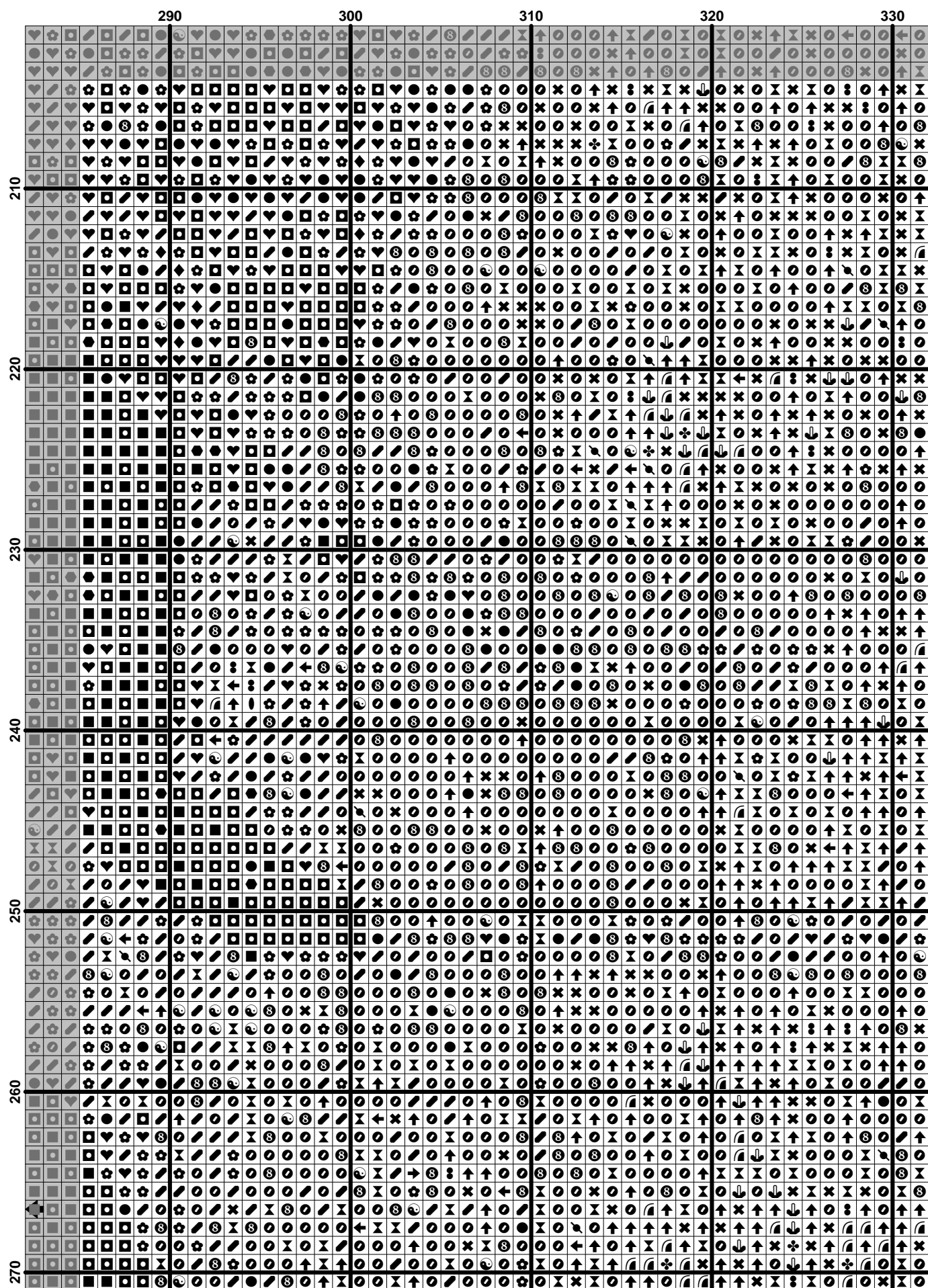


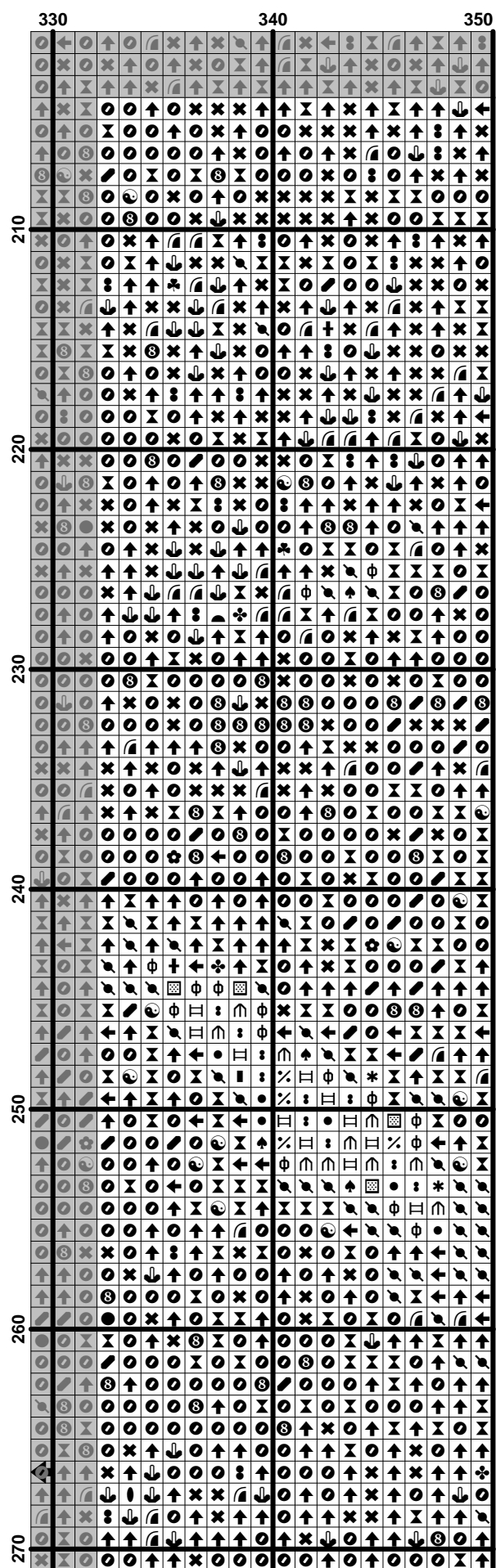


	150	160	170	180	190
	1	2	3	4	5
	6	7	8	9	10
	11	12	13	14	15
	16	17	18	19	20
	21	22	23	24	25
	26	27	28	29	30
	31	32	33	34	35
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	986	987	988	989	990
	991	992	993	994	995
	996	997	998	999	1000









$$(41) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

