

## 992 The Oriental (small)



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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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## The Oriental (small)

<div>Stitch Count</div> <div>Horizontal: 250</div> <div>Vertical: 310</div>				<div>Recommended Fabric Color</div> <div>Antique White</div>								
<p>This table tells the size of the pattern (without any margins) and the size of the fabric required to stitch the pattern (including recommended margins). 3 inch margins have been added on each side in the 'Including Margins' row.</p> <p>The sizes are given for 14, 16 and 18 stitches per inch fabrics.</p> <p>Make sure to use the 'Including Margins' row when cutting the piece of fabric to be used. Also make sure that 3 inch margins are enough for your stitching technique and add more margin areas if necessary.</p>												
	14				16				18			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	46	17.83	56	22.01	40	15.6	49	19.26	36	13.875	44	17.125
Including Margins:	62	24	72	29	56	22	65	26	52	20	60	24
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	64	24.96	78	30.81	53	20.8	65	25.67	26	10.4	32	12.83
Including Margins:	80	31	94	37	69	27	81	32	42	17	48	19
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	25	9.98	31	12.32	24	9.6	30	11.85	23	9.24	29	11.41
Including Margins:	41	16	47	19	40	16	46	18	39	16	45	18
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	23	8.91	28	11	21	8.32	26	10.27	20	7.8	24	9.62
Including Margins:	39	15	44	18	37	15	42	17	36	14	40	16

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
∞	1	White 1
↑	210	Lavender-MD
↺	211	Lavender-LT
△	224	Shell Pink-VY LT
●	300	Mahogany-VY DK
◁	301	Mahogany-MD
✱	317	Pewter Gray
..	318	Steel Gray-LT
↻	341	Blue Violet-LT
⋈	350	Coral-MD
◇	353	Peach
♣	355	Terra Cotta-DK
✚	356	Terra Cotta-MD
▨	400	Mahogany-DK
◎	402	Mahogany-VY LT
□	407	Desert Sand-DK
⬇	414	Steel Gray-DK
7	415	Pearl Gray
⌒	420	Hazelnut Brown-DK
↓	433	Brown-MD
⊕	434	Brown-LT
⊕	435	Brown-VY LT
⊞	436	Tan
⇒	437	Tan-LT
⚡	451	Shell Gray-DK
◎	452	Shell Gray-MD
<	453	Shell Gray-LT
⬇	632	Desert Sand-UL VY DK
⊖	647	Beaver Gray-MD
★	680	Old Gold-DK
▲	720	Orange Spice-DK
⌘	721	Orange Spice-MD
⋈	722	Orange Spice-LT
α	743	Yellow -MD
≡	744	Yellow -Pale
△	745	Yellow -LT Pale
δ	746	Off White
○	754	Peach-LT
//	758	Terra Cotta-VY LT
1	761	Salmon-LT
9	762	Pearl Gray-VY LT
φ	780	Topaz-UL VY DK
☾	782	Topaz-DK
⊞	783	Topaz-MD
⊞	801	Coffee Brown-DK
⬇	829	Golden Olive-VY DK

↓	838	Beige Brown-VY DK
➤	839	Beige Brown-DK
⊕	840	Beige Brown-MD
⊞	842	Beige Brown-VY LT
⌘	844	Beaver Brown-UL DK
⌒	869	Hazelnut Brown-VY DK
○	900	Burnt Orange-DK
≈	918	Red Copper-DK
■	919	Red Copper
⦶	920	Copper-MD
●	938	Coffee Brown-UL DK
✓	945	Tawny
	946	Burnt Orange-MD
▲	947	Burnt Orange
☆	948	Peach-VY LT
∨	950	Desert Sand-LT
(	951	Tawny -LT
^	963	Dusty Rose-UL VY LT
L	972	Canary-DK
◀	977	Golden Brown-LT
◆	3021	Brown Gray -VY DK
#	3041	Antique Violet-MD
⊕	3042	Antique Violet-LT
4	3064	Desert Sand
♠	3340	Apricot-MD
⊕	3713	Salmon-VY LT
☾	3721	Shell Pink-DK
■	3740	Antique Violet-DK
⋈	3743	Antique Violet-VY LT
c	3770	Tawny -VY LT
«	3772	Desert Sand-VY DK
β	3774	Desert Sand-VY LT
○	3776	Mahogany-LT
T	3778	Terra Cotta-LT
2	3779	Terra Cotta-UL VY LT
::	3823	Yellow -UL Pale
/	3824	Apricot-LT
±	3825	Pumpkin-Pale
n	3827	Golden Brown-Pale
✱	3829	Old Gold-VY DK
☾	3830	Terra Cotta-MD
⋈	3853	Autumn Gold-DK
	3854	Autumn Gold-MD
3	3856	Mahogany-UL VY LT
▣	3858	Rosewood-MD
⋈	3859	Rosewood-LT
▼	3860	Cocoa
⋈	3861	Cocoa-LT
♡	3865	Winter White

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.

Symbol	DMC1	Name1	DMC2	Name2
*	435	Brown-VY LT	436	Tan
z	436	Tan	356	Terra Cotta-MD
↘	782	Topaz-DK	3852	Straw -VY DK
•	963	Dusty Rose-UL VY LT	3743	Antique Violet-VY LT
✿	780	Topaz-UL VY DK	782	Topaz-DK
●	3858	Rosewood-MD	3859	Rosewood-LT
◊	407	Desert Sand-DK	3864	Mocha Beige-LT
∇	402	Mahogany-VY LT	758	Terra Cotta-VY LT
↑	402	Mahogany-VY LT	436	Tan
↗	402	Mahogany-VY LT	3778	Terra Cotta-LT
)	745	Yellow-LT Pale	754	Peach-LT
↓	3712	Salmon- MD	402	Mahogany-VY LT
✦	420	Hazelnut Brown-DK	632	Desert Sand-UL VY DK
◦	3865	Winter White	1	White 1
●	3371	Black Brown	300	Mahogany-VY DK
↖	436	Tan	922	Copper-LT
◊	922	Copper-LT	3828	Hazelnut Brown
∩	3830	Terra Cotta-MD	435	Brown-VY LT
✕	300	Mahogany-VY DK	433	Brown-MD
✕	720	Orange Spice-DK	782	Topaz-DK
☐	720	Orange Spice-DK	780	Topaz-UL VY DK
=	3778	Terra Cotta-LT	758	Terra Cotta-VY LT
田	301	Mahogany-MD	420	Hazelnut Brown-DK
⊕	793	Cornflower Blue-MD	414	Steel Gray-DK
■	3371	Black Brown	938	Coffee Brown-UL DK
•	437	Tan-LT	3778	Terra Cotta-LT
田	3863	Mocha Beige-MD	3802	Antique Mauve-VY DK
×	801	Coffee Brown-DK	838	Beige Brown-VY DK
н	3776	Mahogany-LT	402	Mahogany-VY LT
∪	3856	Mahogany-UL VY LT	758	Terra Cotta-VY LT
	3828	Hazelnut Brown	3772	Desert Sand-VY DK
◀	347	Salmon-VY DK	900	Burnt Orange-DK
—	437	Tan-LT	3825	Pumpkin-Pale
⊕	3772	Desert Sand-VY DK	3858	Rosewood-MD
•	3853	Autumn Gold-DK	977	Golden Brown-LT
⋈	402	Mahogany-VY LT	437	Tan-LT
☐	3776	Mahogany-LT	3778	Terra Cotta-LT
⚙	402	Mahogany-VY LT	435	Brown-VY LT
✿	300	Mahogany-VY DK	898	Coffee Brown-VY DK
↖	758	Terra Cotta-VY LT	437	Tan-LT
^	3712	Salmon- MD	3825	Pumpkin-Pale
⊕	3852	Straw -VY DK	741	Tangerine-MD
✕	782	Topaz-DK	976	Golden Brown-MD
◊	741	Tangerine-MD	972	Canary-DK
↑	3776	Mahogany-LT	435	Brown-VY LT
←	400	Mahogany-DK	433	Brown-MD
*	301	Mahogany-MD	921	Copper
•	839	Beige Brown-DK	869	Hazelnut Brown-VY DK
▲	3790	Beige Gray-UL DK	3802	Antique Mauve-VY DK
▼	645	Beaver Gray-VY DK	3802	Antique Mauve-VY DK
➔	400	Mahogany-DK	3857	Rosewood-DK
↑	300	Mahogany-VY DK	400	Mahogany-DK
⑧	814	Garnet-DK	938	Coffee Brown-UL DK

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■	3371	Black Brown	814	Garnet-DK
○	814	Garnet-DK	300	Mahogany-VY DK
●	814	Garnet-DK	400	Mahogany-DK
⊕	975	Golden Brown-DK	433	Brown-MD
▲	869	Hazelnut Brown-VY DK	975	Golden Brown-DK
≡	420	Hazelnut Brown-DK	975	Golden Brown-DK
♠	3862	Mocha Beige-DK	420	Hazelnut Brown-DK
+	434	Brown-LT	400	Mahogany-DK
♥	3857	Rosewood-DK	300	Mahogany-VY DK
⊕	720	Orange Spice-DK	921	Copper
⊕	720	Orange Spice-DK	301	Mahogany-MD
▼	782	Topaz-DK	3826	Golden Brown
▲	435	Brown-VY LT	3826	Golden Brown
⊙	435	Brown-VY LT	922	Copper-LT
∴	435	Brown-VY LT	437	Tan-LT
◇	3776	Mahogany-LT	3826	Golden Brown
↔	758	Terra Cotta-VY LT	3825	Pumpkin-Pale
♣	301	Mahogany-MD	400	Mahogany-DK
▶	920	Copper-MD	434	Brown-LT
⌘	720	Orange Spice-DK	3826	Golden Brown
⊞	3776	Mahogany-LT	3830	Terra Cotta-MD
⊞	3776	Mahogany-LT	356	Terra Cotta-MD
∩	356	Terra Cotta-MD	922	Copper-LT
↖	3776	Mahogany-LT	350	Coral-MD
⊕	435	Brown-VY LT	3778	Terra Cotta-LT
⊕	3776	Mahogany-LT	783	Topaz-MD
+	3712	Salmon-MD	758	Terra Cotta-VY LT
◇	3825	Pumpkin-Pale	760	Salmon
⌘	224	Shell Pink-VY LT	761	Salmon-LT
∅	224	Shell Pink-VY LT	352	Coral-LT
▷	352	Coral-LT	3824	Apricot-LT
~	761	Salmon-LT	353	Peach
⌘	3733	Dusty Rose	224	Shell Pink-VY LT
❖	3712	Salmon-MD	3776	Mahogany-LT
⌘	350	Coral-MD	356	Terra Cotta-MD
×	3859	Rosewood-LT	3722	Shell Pink-MD
✱	3722	Shell Pink-MD	3860	Cocoa
5	353	Peach	3689	Mauve-LT
⌘	782	Topaz-DK	741	Tangerine-MD
6	746	Off White	963	Dusty Rose-UL VY LT
□	720	Orange Spice-DK	976	Golden Brown-MD
?	3856	Mahogany-UL VY LT	744	Yellow-Pale
>	762	Pearl Gray-VY LT	211	Lavender-LT
†	793	Cornflower Blue-MD	318	Steel Gray-LT
⊞	347	Salmon-VY DK	920	Copper-MD
¾	318	Steel Gray-LT	341	Blue Violet-LT
**	208	Lavender-VY DK	318	Steel Gray-LT
m	741	Tangerine-MD	976	Golden Brown-MD
♦♦	741	Tangerine-MD	780	Topaz-UL VY DK



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	73	28	69	27	62	24
208	Lavender-VY DK	9	3	9	3	8	3
210	Lavender-MD	6	2	5	1	5	1
211	Lavender-LT	16	6	15	5	14	5
224	Shell Pink-VY LT	49	19	46	18	42	16
300	Mahogany-VY DK	3346	1317	3187	1254	2868	1129
301	Mahogany-MD	775	305	738	290	664	261
317	Pewter Gray	10	3	9	3	8	3
318	Steel Gray-LT	38	14	36	14	32	12
341	Blue Violet-LT	19	7	18	7	17	6
347	Salmon-VY DK	158	62	150	59	135	53
350	Coral-MD	10	3	9	3	8	3
352	Coral-LT	11	4	11	4	10	3
353	Peach	63	24	60	23	54	21
355	Terra Cotta-DK	272	107	259	101	233	91
356	Terra Cotta-MD	37	14	35	13	32	12
400	Mahogany-DK	1306	514	1244	489	1119	440
402	Mahogany-VY LT	111	43	106	41	95	37
407	Desert Sand-DK	15	5	14	5	13	5
414	Steel Gray-DK	15	5	15	5	13	5
415	Pearl Gray	24	9	23	9	21	8
420	Hazelnut Brown-DK	656	258	624	245	562	221
433	Brown-MD	801	315	763	300	687	270
434	Brown-LT	502	197	478	188	430	169
435	Brown-VY LT	312	122	297	116	268	105
436	Tan	95	37	91	35	82	32
437	Tan-LT	118	46	112	44	101	39
451	Shell Gray-DK	15	5	14	5	13	5
452	Shell Gray-MD	9	3	8	3	7	2
453	Shell Gray-LT	10	3	9	3	8	3
632	Desert Sand-UL VY DK	127	50	121	47	109	42
645	Beaver Gray-VY DK	11	4	11	4	10	3
647	Beaver Gray-MD	4	1	4	1	3	1
680	Old Gold-DK	9	3	8	3	7	2
720	Orange Spice-DK	390	153	372	146	335	131
721	Orange Spice-MD	10	3	10	3	9	3
722	Orange Spice-LT	11	4	11	4	10	3
741	Tangerine-MD	399	157	380	149	342	134
743	Yellow -MD	4	1	4	1	3	1
744	Yellow -Pale	10	3	9	3	8	3
745	Yellow -LT Pale	18	7	17	6	15	5
746	Off White	40	15	38	14	35	13
754	Peach-LT	31	12	30	11	27	10
758	Terra Cotta-VY LT	171	67	163	64	147	57
760	Salmon	3	1	3	1	3	1
761	Salmon-LT	60	23	57	22	51	20
762	Pearl Gray-VY LT	14	5	13	5	12	4
780	Topaz-UL VY DK	849	334	809	318	728	286
782	Topaz-DK	904	355	861	338	775	305
783	Topaz-MD	27	10	25	9	23	9
793	Cornflower Blue-MD	13	5	12	4	11	4
801	Coffee Brown-DK	294	115	280	110	252	99
814	Garnet-DK	963	379	917	361	825	324
829	Golden Olive-VY DK	52	20	50	19	45	17

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838	Beige Brown-VY DK	363	142	346	136	311	122
839	Beige Brown-DK	93	36	88	34	79	31
840	Beige Brown-MD	9	3	8	3	7	2
842	Beige Brown-VY LT	5	1	4	1	4	1
844	Beaver Brown-UL DK	9	3	8	3	7	2
869	Hazelnut Brown-VY DK	260	102	247	97	223	87
898	Coffee Brown-VY DK	656	258	625	246	562	221
900	Burnt Orange-DK	26	10	24	9	22	8
918	Red Copper-DK	104	40	99	38	89	35
919	Red Copper	62	24	59	23	53	20
920	Copper-MD	604	237	576	226	518	203
921	Copper	98	38	94	37	84	33
922	Copper-LT	84	33	80	31	72	28
938	Coffee Brown-UL DK	1290	507	1228	483	1105	435
945	Tawny	23	9	22	8	20	7
946	Burnt Orange-MD	2	1	2	1	1	1
947	Burnt Orange	7	2	6	2	6	2
948	Peach-VY LT	14	5	13	5	12	4
950	Desert Sand-LT	56	22	54	21	48	18
951	Tawny-LT	12	4	11	4	10	3
963	Dusty Rose-UL VY LT	24	9	23	9	21	8
972	Canary-DK	20	7	19	7	17	6
975	Golden Brown-DK	478	188	456	179	410	161
976	Golden Brown-MD	71	27	67	26	60	23
977	Golden Brown-LT	21	8	20	7	18	7
3021	Brown Gray-VY DK	16	6	15	5	13	5
3041	Antique Violet-MD	15	5	14	5	13	5
3042	Antique Violet-LT	10	3	9	3	8	3
3064	Desert Sand	24	9	23	9	21	8
3340	Apricot-MD	7	2	6	2	6	2
3371	Black Brown	2430	956	2314	911	2083	820
3689	Mauve-LT	22	8	21	8	19	7
3712	Salmon-MD	12	4	11	4	10	3
3713	Salmon-VY LT	23	9	22	8	19	7
3721	Shell Pink-DK	48	18	46	18	41	16
3722	Shell Pink-MD	6	2	6	2	5	1
3733	Dusty Rose	4	1	4	1	3	1
3740	Antique Violet-DK	18	7	17	6	15	5
3743	Antique Violet-VY LT	26	10	24	9	22	8
3770	Tawny-VY LT	9	3	9	3	8	3
3772	Desert Sand-VY DK	54	21	51	20	46	18
3774	Desert Sand-VY LT	16	6	15	5	14	5
3776	Mahogany-LT	146	57	139	54	125	49
3778	Terra Cotta-LT	91	35	86	33	78	30
3779	Terra Cotta-UL VY LT	94	37	89	35	80	31
3790	Beige Gray-UL DK	6	2	6	2	5	1
3802	Antique Mauve-VY DK	22	8	20	7	18	7
3823	Yellow-UL Pale	10	3	10	3	9	3
3824	Apricot-LT	10	3	9	3	8	3
3825	Pumpkin-Pale	40	15	38	14	34	13
3826	Golden Brown	317	124	302	118	272	107
3827	Golden Brown-Pale	9	3	8	3	7	2
3828	Hazelnut Brown	55	21	52	20	47	18
3829	Old Gold-VY DK	51	20	49	19	44	17
3830	Terra Cotta-MD	96	37	91	35	82	32
3852	Straw-VY DK	26	10	25	9	22	8
3853	Autumn Gold-DK	16	6	16	6	14	5
3854	Autumn Gold-MD	8	3	8	3	7	2
3856	Mahogany-UL VY LT	64	25	61	24	55	21

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3857	Rosewood-DK	128	50	122	48	110	43
3858	Rosewood-MD	49	19	46	18	42	16
3859	Rosewood-LT	21	8	20	7	18	7
3860	Cocoa	22	8	21	8	19	7
3861	Cocoa-LT	16	6	15	5	13	5
3862	Mocha Beige-DK	12	4	12	4	11	4
3863	Mocha Beige-MD	3	1	3	1	2	1
3864	Mocha Beige-LT	8	3	7	2	7	2
3865	Winter White	71	27	68	26	61	24

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
1	White 1	112	43	93	36	47	18
208	Lavender-VY DK	14	5	12	5	6	2
210	Lavender-MD	9	2	8	2	4	1
211	Lavender-LT	25	9	21	8	11	4
224	Shell Pink-VY LT	76	29	63	24	32	12
300	Mahogany-VY DK	5162	2032	4302	1694	2151	847
301	Mahogany-MD	1195	470	996	392	498	196
317	Pewter Gray	14	5	12	5	6	2
318	Steel Gray-LT	58	22	48	18	24	9
341	Blue Violet-LT	31	11	26	9	13	5
347	Salmon-VY DK	243	95	203	80	101	40
350	Coral-MD	14	5	12	5	6	2
352	Coral-LT	18	5	15	5	8	2
353	Peach	97	38	81	32	41	16
355	Terra Cotta-DK	419	164	350	137	175	68
356	Terra Cotta-MD	58	22	48	18	24	9
400	Mahogany-DK	2014	792	1679	660	839	330
402	Mahogany-VY LT	171	67	143	56	71	28
407	Desert Sand-DK	23	9	20	8	10	4
414	Steel Gray-DK	23	9	20	8	10	4
415	Pearl Gray	38	14	32	12	16	6
420	Hazelnut Brown-DK	1012	398	843	332	422	166
433	Brown-MD	1237	486	1031	405	515	203
434	Brown-LT	774	304	645	254	323	127
435	Brown-VY LT	482	189	402	158	201	79
436	Tan	148	58	123	48	62	24
437	Tan-LT	182	70	152	59	76	29
451	Shell Gray-DK	23	9	20	8	10	4
452	Shell Gray-MD	13	4	11	3	5	2
453	Shell Gray-LT	14	5	12	5	6	2
632	Desert Sand-UL VY DK	196	76	164	63	82	32
645	Beaver Gray-VY DK	18	5	15	5	8	2
647	Beaver Gray-MD	5	2	5	2	2	1
680	Old Gold-DK	13	4	11	3	5	2
720	Orange Spice-DK	603	236	503	197	251	98
721	Orange Spice-MD	16	5	14	5	7	2
722	Orange Spice-LT	18	5	15	5	8	2
741	Tangerine-MD	616	241	513	201	257	101
743	Yellow -MD	5	2	5	2	2	1
744	Yellow -Pale	14	5	12	5	6	2
745	Yellow -LT Pale	27	9	23	8	11	4
746	Off White	63	23	53	20	26	10
754	Peach-LT	49	18	41	15	20	8

758	Terra Cotta-VY LT	265	103	221	86	110	43
760	Salmon	5	2	5	2	2	1
761	Salmon-LT	92	36	77	30	38	15
762	Pearl Gray-VY LT	22	7	18	6	9	3
780	Topaz-UL VY DK	1310	515	1092	429	546	215
782	Topaz-DK	1395	549	1163	458	581	229
783	Topaz-MD	41	16	35	14	17	7
793	Cornflower Blue-MD	20	7	17	6	8	3
801	Coffee Brown-DK	454	178	378	149	189	74
814	Garnet-DK	1485	583	1238	486	619	243
829	Golden Olive-VY DK	81	31	68	26	34	13
838	Beige Brown-VY DK	560	220	467	183	233	92
839	Beige Brown-DK	142	56	119	47	59	23
840	Beige Brown-MD	13	4	11	3	5	2
842	Beige Brown-VY LT	7	2	6	2	3	1
844	Beaver Brown-UL DK	13	4	11	3	5	2
869	Hazelnut Brown-VY DK	401	157	335	131	167	65
898	Coffee Brown-VY DK	1012	398	843	332	422	166
900	Burnt Orange-DK	40	14	33	12	17	6
918	Red Copper-DK	160	63	134	53	67	26
919	Red Copper	95	36	80	30	40	15
920	Copper-MD	932	365	777	305	389	152
921	Copper	151	59	126	50	63	25
922	Copper-LT	130	50	108	42	54	21
938	Coffee Brown-UL DK	1989	783	1658	653	829	326
945	Tawny	36	13	30	11	15	5
946	Burnt Orange-MD	2	2	2	2	1	1
947	Burnt Orange	11	4	9	3	5	2
948	Peach-VY LT	22	7	18	6	9	3
950	Desert Sand-LT	86	32	72	27	36	14
951	Tawny-LT	18	5	15	5	8	2
963	Dusty Rose-UL VY LT	38	14	32	12	16	6
972	Canary-DK	31	11	26	9	13	5
975	Golden Brown-DK	738	290	615	242	308	121
976	Golden Brown-MD	108	41	90	35	45	17
977	Golden Brown-LT	32	13	27	11	14	5
3021	Brown Gray-VY DK	23	9	20	8	10	4
3041	Antique Violet-MD	23	9	20	8	10	4
3042	Antique Violet-LT	14	5	12	5	6	2
3064	Desert Sand	38	14	32	12	16	6
3340	Apricot-MD	11	4	9	3	5	2
3371	Black Brown	3749	1476	3125	1230	1562	615
3689	Mauve-LT	34	13	29	11	14	5
3712	Salmon-MD	18	5	15	5	8	2
3713	Salmon-VY LT	34	13	29	11	14	5
3721	Shell Pink-DK	74	29	62	24	31	12
3722	Shell Pink-MD	9	2	8	2	4	1
3733	Dusty Rose	5	2	5	2	2	1
3740	Antique Violet-DK	27	9	23	8	11	4
3743	Antique Violet-VY LT	40	14	33	12	17	6
3770	Tawny-VY LT	14	5	12	5	6	2
3772	Desert Sand-VY DK	83	32	69	27	35	14
3774	Desert Sand-VY LT	25	9	21	8	11	4
3776	Mahogany-LT	225	88	188	74	94	37
3778	Terra Cotta-LT	140	54	117	45	59	23
3779	Terra Cotta-UL VY LT	144	56	120	47	60	23
3790	Beige Gray-UL DK	9	2	8	2	4	1
3802	Antique Mauve-VY DK	32	13	27	11	14	5
3823	Yellow-UL Pale	16	5	14	5	7	2

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3824	Apricot-LT	14	5	12	5	6	2
3825	Pumpkin-Pale	61	23	51	20	26	10
3826	Golden Brown	490	193	408	161	204	80
3827	Golden Brown-Pale	13	4	11	3	5	2
3828	Hazelnut Brown	85	32	71	27	35	14
3829	Old Gold-VY DK	79	31	66	26	33	13
3830	Terra Cotta-MD	148	58	123	48	62	24
3852	Straw -VY DK	40	14	33	12	17	6
3853	Autumn Gold-DK	25	9	21	8	11	4
3854	Autumn Gold-MD	13	4	11	3	5	2
3856	Mahogany-UL VY LT	99	38	83	32	41	16
3857	Rosewood-DK	198	77	165	65	83	32
3858	Rosewood-MD	76	29	63	24	32	12
3859	Rosewood-LT	32	13	27	11	14	5
3860	Cocoa	34	13	29	11	14	5
3861	Cocoa-LT	23	9	20	8	10	4
3862	Mocha Beige-DK	20	7	17	6	8	3
3863	Mocha Beige-MD	4	2	3	2	2	1
3864	Mocha Beige-LT	13	4	11	3	5	2
3865	Winter White	110	43	92	36	46	18

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
1	White 1	45	17	43	17	41	16
208	Lavender-VY DK	6	2	6	2	5	2
210	Lavender-MD	4	1	3	1	3	1
211	Lavender-LT	10	4	10	3	9	3
224	Shell Pink-VY LT	30	12	29	11	28	11
300	Mahogany-VY DK	2065	813	1986	782	1912	753
301	Mahogany-MD	478	188	460	181	443	174
317	Pewter Gray	6	2	6	2	5	2
318	Steel Gray-LT	23	9	22	8	21	8
341	Blue Violet-LT	12	4	12	4	11	4
347	Salmon-VY DK	97	38	93	37	90	35
350	Coral-MD	6	2	6	2	5	2
352	Coral-LT	7	2	7	2	7	2
353	Peach	39	15	37	15	36	14
355	Terra Cotta-DK	168	66	161	63	155	61
356	Terra Cotta-MD	23	9	22	8	21	8
400	Mahogany-DK	806	317	775	305	746	293
402	Mahogany-VY LT	68	27	66	26	63	25
407	Desert Sand-DK	9	4	9	3	9	3
414	Steel Gray-DK	9	4	9	3	9	3
415	Pearl Gray	15	6	15	6	14	5
420	Hazelnut Brown-DK	405	159	389	153	375	147
433	Brown-MD	495	194	476	187	458	180
434	Brown-LT	310	122	298	117	287	113
435	Brown-VY LT	193	76	186	73	179	70
436	Tan	59	23	57	22	55	21
437	Tan-LT	73	28	70	27	67	26
451	Shell Gray-DK	9	4	9	3	9	3
452	Shell Gray-MD	5	1	5	1	5	1
453	Shell Gray-LT	6	2	6	2	5	2
632	Desert Sand-UL VY DK	78	30	75	29	73	28
645	Beaver Gray-VY DK	7	2	7	2	7	2

647	Beaver Gray-MD	2	1	2	1	2	1
680	Old Gold-DK	5	1	5	1	5	1
720	Orange Spice-DK	241	94	232	91	223	87
721	Orange Spice-MD	6	2	6	2	6	2
722	Orange Spice-LT	7	2	7	2	7	2
741	Tangerine-MD	246	96	237	93	228	89
743	Yellow -MD	2	1	2	1	2	1
744	Yellow -Pale	6	2	6	2	5	2
745	Yellow -LT Pale	11	4	10	3	10	3
746	Off White	25	9	24	9	23	9
754	Peach-LT	19	7	19	7	18	7
758	Terra Cotta-VY LT	106	41	102	39	98	38
760	Salmon	2	1	2	1	2	1
761	Salmon-LT	37	14	35	14	34	13
762	Pearl Gray-VY LT	9	3	8	3	8	3
780	Topaz-UL VY DK	524	206	504	198	485	191
782	Topaz-DK	558	220	537	211	517	203
783	Topaz-MD	17	6	16	6	15	6
793	Cornflower Blue-MD	8	3	8	3	7	3
801	Coffee Brown-DK	181	71	174	69	168	66
814	Garnet-DK	594	233	571	224	550	216
829	Golden Olive-VY DK	32	12	31	12	30	11
838	Beige Brown-VY DK	224	88	215	84	207	81
839	Beige Brown-DK	57	22	55	21	53	21
840	Beige Brown-MD	5	1	5	1	5	1
842	Beige Brown-VY LT	3	1	3	1	3	1
844	Beaver Brown-UL DK	5	1	5	1	5	1
869	Hazelnut Brown-VY DK	161	63	154	60	149	58
898	Coffee Brown-VY DK	405	159	389	153	375	147
900	Burnt Orange-DK	16	6	15	6	15	5
918	Red Copper-DK	64	25	62	24	59	23
919	Red Copper	38	14	37	14	35	13
920	Copper-MD	373	146	359	141	345	135
921	Copper	60	24	58	23	56	22
922	Copper-LT	52	20	50	19	48	19
938	Coffee Brown-UL DK	796	313	765	301	737	290
945	Tawny	14	5	14	5	13	5
946	Burnt Orange-MD	1	1	1	1	1	1
947	Burnt Orange	4	1	4	1	4	1
948	Peach-VY LT	9	3	8	3	8	3
950	Desert Sand-LT	35	13	33	12	32	12
951	Tawny -LT	7	2	7	2	7	2
963	Dusty Rose-UL VY LT	15	6	15	6	14	5
972	Canary-DK	12	4	12	4	11	4
975	Golden Brown-DK	295	116	284	111	273	107
976	Golden Brown-MD	43	17	42	16	40	15
977	Golden Brown-LT	13	5	12	5	12	5
3021	Brown Gray -VY DK	9	4	9	3	9	3
3041	Antique Violet-MD	9	4	9	3	9	3
3042	Antique Violet-LT	6	2	6	2	5	2
3064	Desert Sand	15	6	15	6	14	5
3340	Apricot-MD	4	1	4	1	4	1
3371	Black Brown	1500	590	1442	568	1389	547
3689	Mauve-LT	14	5	13	5	13	5
3712	Salmon-MD	7	2	7	2	7	2
3713	Salmon-VY LT	14	5	13	5	13	5
3721	Shell Pink- DK	30	12	28	11	27	11
3722	Shell Pink- MD	4	1	3	1	3	1
3733	Dusty Rose	2	1	2	1	2	1

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3740	Antique Violet-DK	11	4	10	3	10	3
3743	Antique Violet-VY LT	16	6	15	6	15	5
3770	Tawny-VY LT	6	2	6	2	5	2
3772	Desert Sand-VY DK	33	13	32	12	31	12
3774	Desert Sand-VY LT	10	4	10	3	9	3
3776	Mahogany-LT	90	35	87	34	83	33
3778	Terra Cotta-LT	56	22	54	21	52	20
3779	Terra Cotta-UL VY LT	58	22	55	21	53	21
3790	Beige Gray-UL DK	4	1	3	1	3	1
3802	Antique Mauve-VY DK	13	5	12	5	12	5
3823	Yellow-UL Pale	6	2	6	2	6	2
3824	Apricot-LT	6	2	6	2	5	2
3825	Pumpkin-Pale	24	9	24	9	23	9
3826	Golden Brown	196	77	188	74	181	71
3827	Golden Brown-Pale	5	1	5	1	5	1
3828	Hazelnut Brown	34	13	33	12	31	12
3829	Old Gold-VY DK	32	12	30	12	29	11
3830	Terra Cotta-MD	59	23	57	22	55	21
3852	Straw-VY DK	16	6	15	6	15	5
3853	Autumn Gold-DK	10	4	10	3	9	3
3854	Autumn Gold-MD	5	1	5	1	5	1
3856	Mahogany-UL VY LT	40	15	38	15	37	14
3857	Rosewood-DK	79	31	76	30	73	29
3858	Rosewood-MD	30	12	29	11	28	11
3859	Rosewood-LT	13	5	12	5	12	5
3860	Cocoa	14	5	13	5	13	5
3861	Cocoa-LT	9	4	9	3	9	3
3862	Mocha Beige-DK	8	3	8	3	7	3
3863	Mocha Beige-MD	1	1	1	1	1	1
3864	Mocha Beige-LT	5	1	5	1	5	1
3865	Winter White	44	17	42	17	41	16

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
1	White 1	40	15	37	14	35	14
208	Lavender-VY DK	5	2	5	2	5	2
210	Lavender-MD	3	1	3	1	3	1
211	Lavender-LT	9	3	8	3	8	3
224	Shell Pink-VY LT	27	10	25	10	24	9
300	Mahogany-VY DK	1844	726	1721	677	1613	635
301	Mahogany-MD	427	168	398	157	374	147
317	Pewter Gray	5	2	5	2	5	2
318	Steel Gray-LT	21	8	19	7	18	7
341	Blue Violet-LT	11	4	10	4	10	3
347	Salmon-VY DK	87	34	81	32	76	30
350	Coral-MD	5	2	5	2	5	2
352	Coral-LT	6	2	6	2	6	2
353	Peach	35	14	32	13	30	12
355	Terra Cotta-DK	150	59	140	55	131	51
356	Terra Cotta-MD	21	8	19	7	18	7
400	Mahogany-DK	719	283	671	264	629	248
402	Mahogany-VY LT	61	24	57	22	53	21
407	Desert Sand-DK	8	3	8	3	7	3
414	Steel Gray-DK	8	3	8	3	7	3
415	Pearl Gray	14	5	13	5	12	5
420	Hazelnut Brown-DK	361	142	337	133	316	124

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433	Brown-MD	442	174	412	162	386	152
434	Brown-LT	276	109	258	101	242	95
435	Brown-VY LT	172	68	161	63	151	59
436	Tan	53	21	49	19	46	18
437	Tan-LT	65	25	61	23	57	22
451	Shell Gray-DK	8	3	8	3	7	3
452	Shell Gray-MD	5	1	4	1	4	1
453	Shell Gray-LT	5	2	5	2	5	2
632	Desert Sand-UL VY DK	70	27	65	25	61	24
645	Beaver Gray-VY DK	6	2	6	2	6	2
647	Beaver Gray-MD	2	1	2	1	2	1
680	Old Gold-DK	5	1	4	1	4	1
720	Orange Spice-DK	215	84	201	79	188	74
721	Orange Spice-MD	6	2	5	2	5	2
722	Orange Spice-LT	6	2	6	2	6	2
741	Tangerine-MD	220	86	205	80	192	75
743	Yellow -MD	2	1	2	1	2	1
744	Yellow -Pale	5	2	5	2	5	2
745	Yellow -LT Pale	10	3	9	3	8	3
746	Off White	23	8	21	8	20	7
754	Peach-LT	17	6	16	6	15	6
758	Terra Cotta-VY LT	95	37	88	34	83	32
760	Salmon	2	1	2	1	2	1
761	Salmon-LT	33	13	31	12	29	11
762	Pearl Gray-VY LT	8	3	7	2	7	2
780	Topaz-UL VY DK	468	184	437	172	410	161
782	Topaz-DK	498	196	465	183	436	172
783	Topaz-MD	15	6	14	5	13	5
793	Cornflower Blue-MD	7	3	7	2	6	2
801	Coffee Brown-DK	162	64	151	59	142	56
814	Garnet-DK	530	208	495	194	464	182
829	Golden Olive-VY DK	29	11	27	10	25	10
838	Beige Brown-VY DK	200	78	187	73	175	69
839	Beige Brown-DK	51	20	47	19	44	17
840	Beige Brown-MD	5	1	4	1	4	1
842	Beige Brown-VY LT	3	1	2	1	2	1
844	Beaver Brown-UL DK	5	1	4	1	4	1
869	Hazelnut Brown-VY DK	143	56	134	52	125	49
898	Coffee Brown-VY DK	361	142	337	133	316	124
900	Burnt Orange-DK	14	5	13	5	12	5
918	Red Copper-DK	57	23	53	21	50	20
919	Red Copper	34	13	32	12	30	11
920	Copper-MD	333	131	311	122	291	114
921	Copper	54	21	50	20	47	19
922	Copper-LT	46	18	43	17	41	16
938	Coffee Brown-UL DK	710	280	663	261	622	245
945	Tawny	13	5	12	4	11	4
946	Burnt Orange-MD	1	1	1	1	1	1
947	Burnt Orange	4	1	4	1	3	1
948	Peach-VY LT	8	3	7	2	7	2
950	Desert Sand-LT	31	12	29	11	27	10
951	Tawny -LT	6	2	6	2	6	2
963	Dusty Rose-UL VY LT	14	5	13	5	12	5
972	Canary-DK	11	4	10	4	10	3
975	Golden Brown-DK	264	104	246	97	231	91
976	Golden Brown-MD	39	15	36	14	34	13
977	Golden Brown-LT	12	5	11	4	10	4
3021	Brown Gray -VY DK	8	3	8	3	7	3
3041	Antique Violet-MD	8	3	8	3	7	3

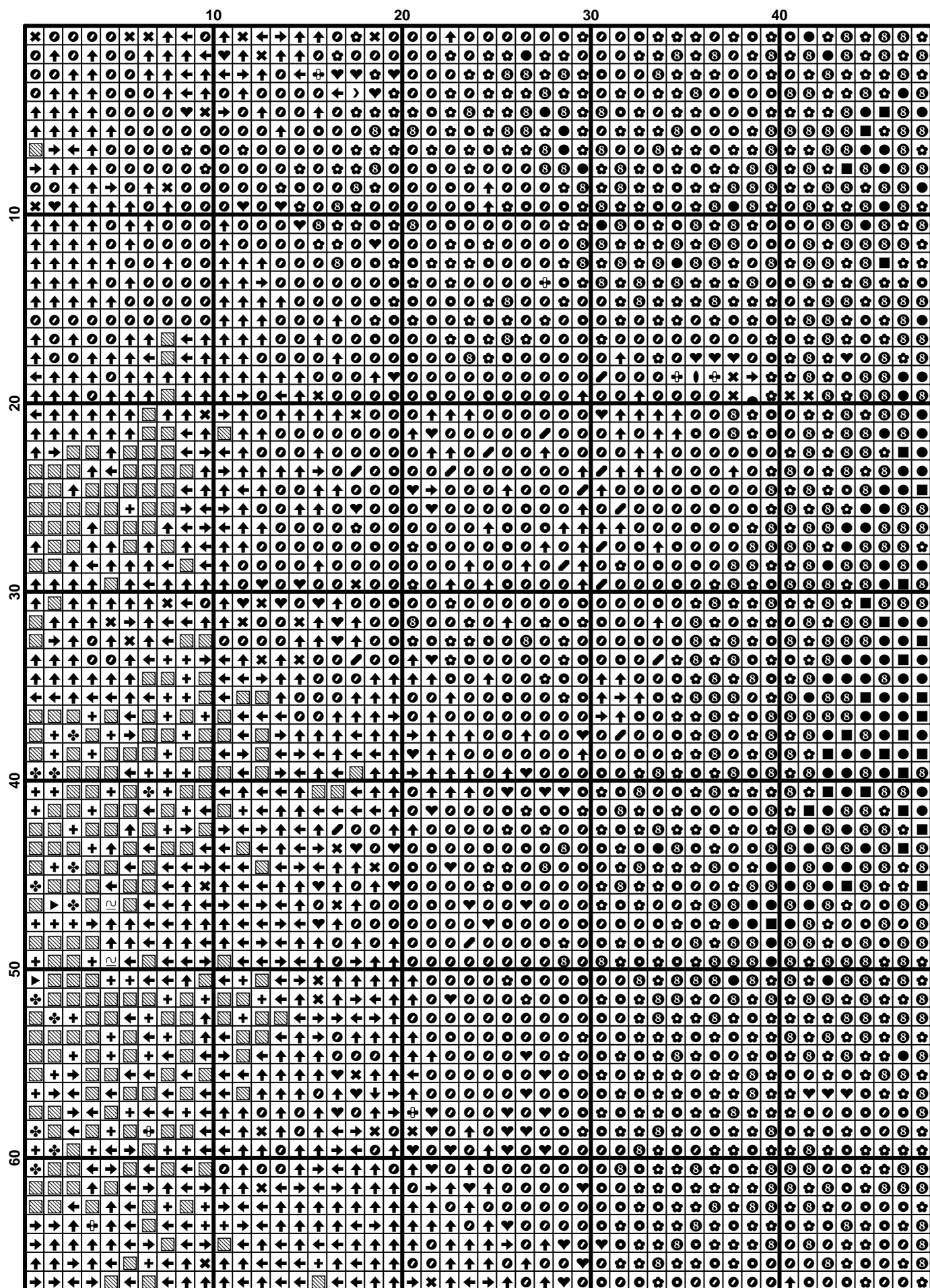
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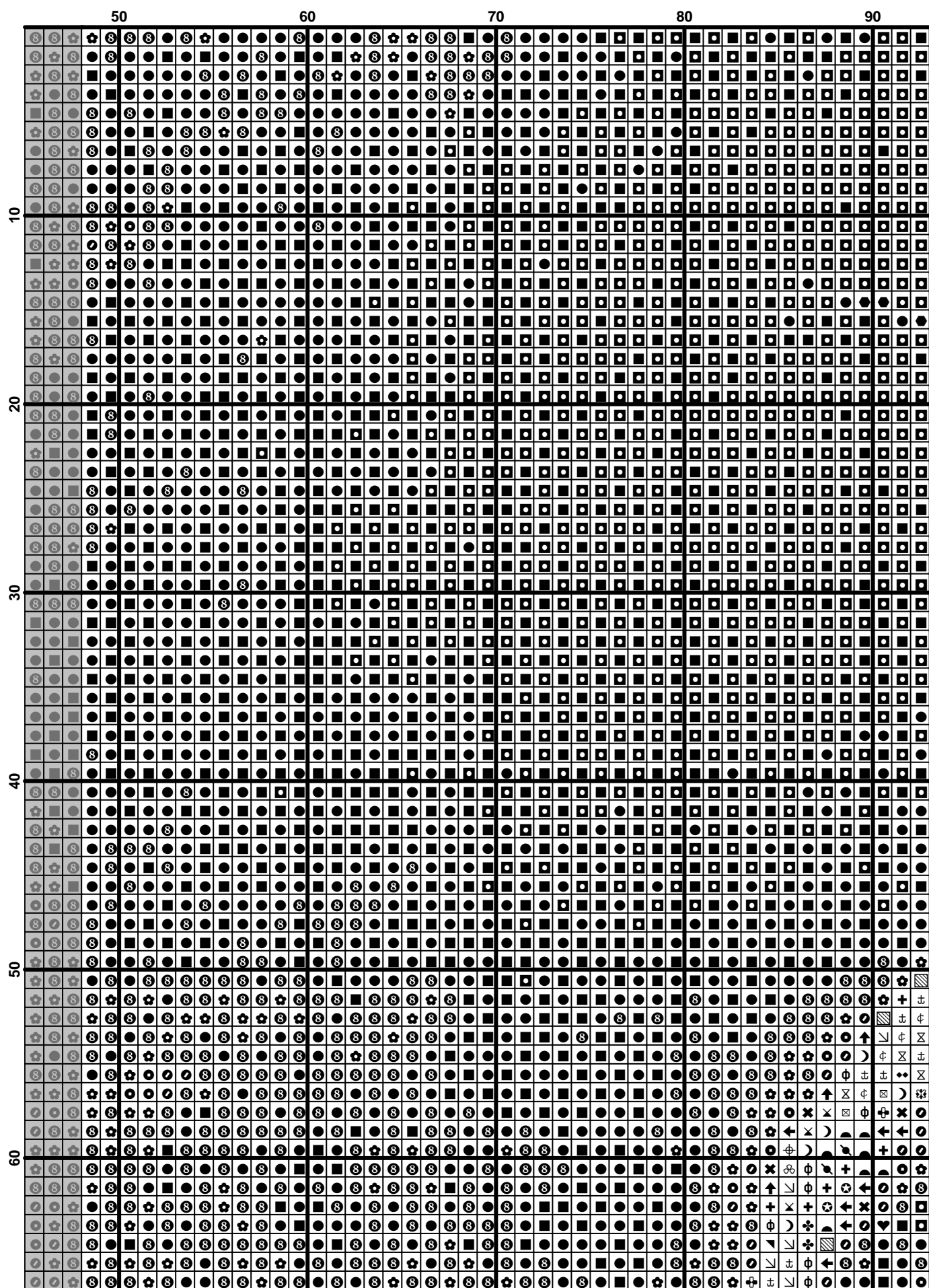
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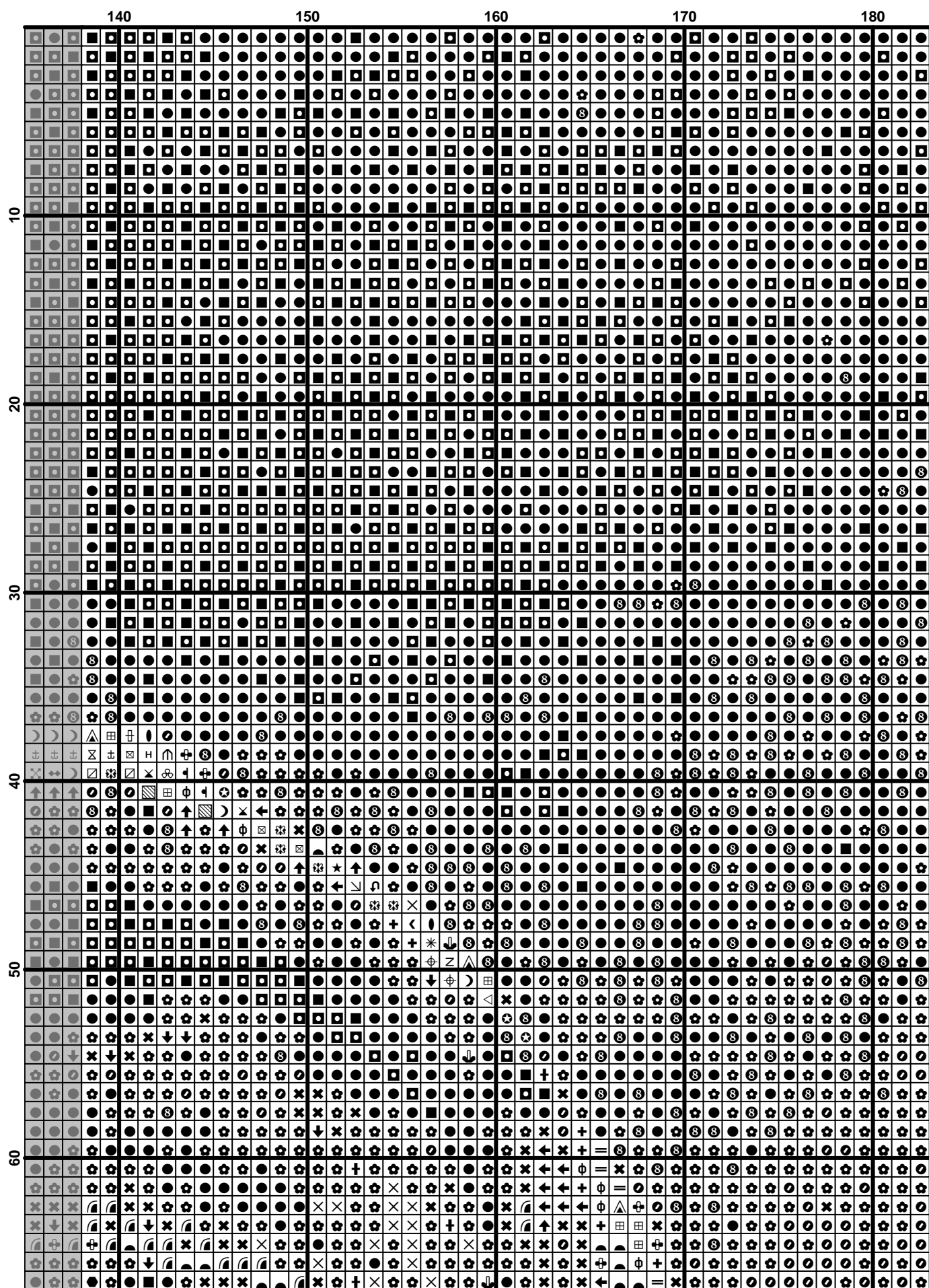
3042	Antique Violet-LT	5	2	5	2	5	2
3064	Desert Sand	14	5	13	5	12	5
3340	Apricot-MD	4	1	4	1	3	1
3371	Black Brown	1339	527	1250	492	1172	461
3689	Mauve-LT	12	5	11	4	11	4
3712	Salmon-MD	6	2	6	2	6	2
3713	Salmon-VY LT	12	5	11	4	11	4
3721	Shell Pink-DK	26	10	25	10	23	9
3722	Shell Pink-MD	3	1	3	1	3	1
3733	Dusty Rose	2	1	2	1	2	1
3740	Antique Violet-DK	10	3	9	3	8	3
3743	Antique Violet-VY LT	14	5	13	5	12	5
3770	Tawny -VY LT	5	2	5	2	5	2
3772	Desert Sand-VY DK	30	12	28	11	26	10
3774	Desert Sand-VY LT	9	3	8	3	8	3
3776	Mahogany-LT	80	32	75	29	70	28
3778	Terra Cotta-LT	50	19	47	18	44	17
3779	Terra Cotta-UL VY LT	51	20	48	19	45	17
3790	Beige Gray-UL DK	3	1	3	1	3	1
3802	Antique Mauve-VY DK	12	5	11	4	10	4
3823	Yellow-UL Pale	6	2	5	2	5	2
3824	Apricot-LT	5	2	5	2	5	2
3825	Pumpkin-Pale	22	8	20	8	19	7
3826	Golden Brown	175	69	163	64	153	60
3827	Golden Brown-Pale	5	1	4	1	4	1
3828	Hazelnut Brown	30	12	28	11	26	10
3829	Old Gold-VY DK	28	11	26	10	25	10
3830	Terra Cotta-MD	53	21	49	19	46	18
3852	Straw -VY DK	14	5	13	5	12	5
3853	Autumn Gold-DK	9	3	8	3	8	3
3854	Autumn Gold-MD	5	1	4	1	4	1
3856	Mahogany-UL VY LT	35	14	33	13	31	12
3857	Rosewood-DK	71	28	66	26	62	24
3858	Rosewood-MD	27	10	25	10	24	9
3859	Rosewood-LT	12	5	11	4	10	4
3860	Cocoa	12	5	11	4	11	4
3861	Cocoa-LT	8	3	8	3	7	3
3862	Mocha Beige-DK	7	3	7	2	6	2
3863	Mocha Beige-MD	1	1	1	1	1	1
3864	Mocha Beige-LT	5	1	4	1	4	1
3865	Winter White	39	15	37	14	34	14

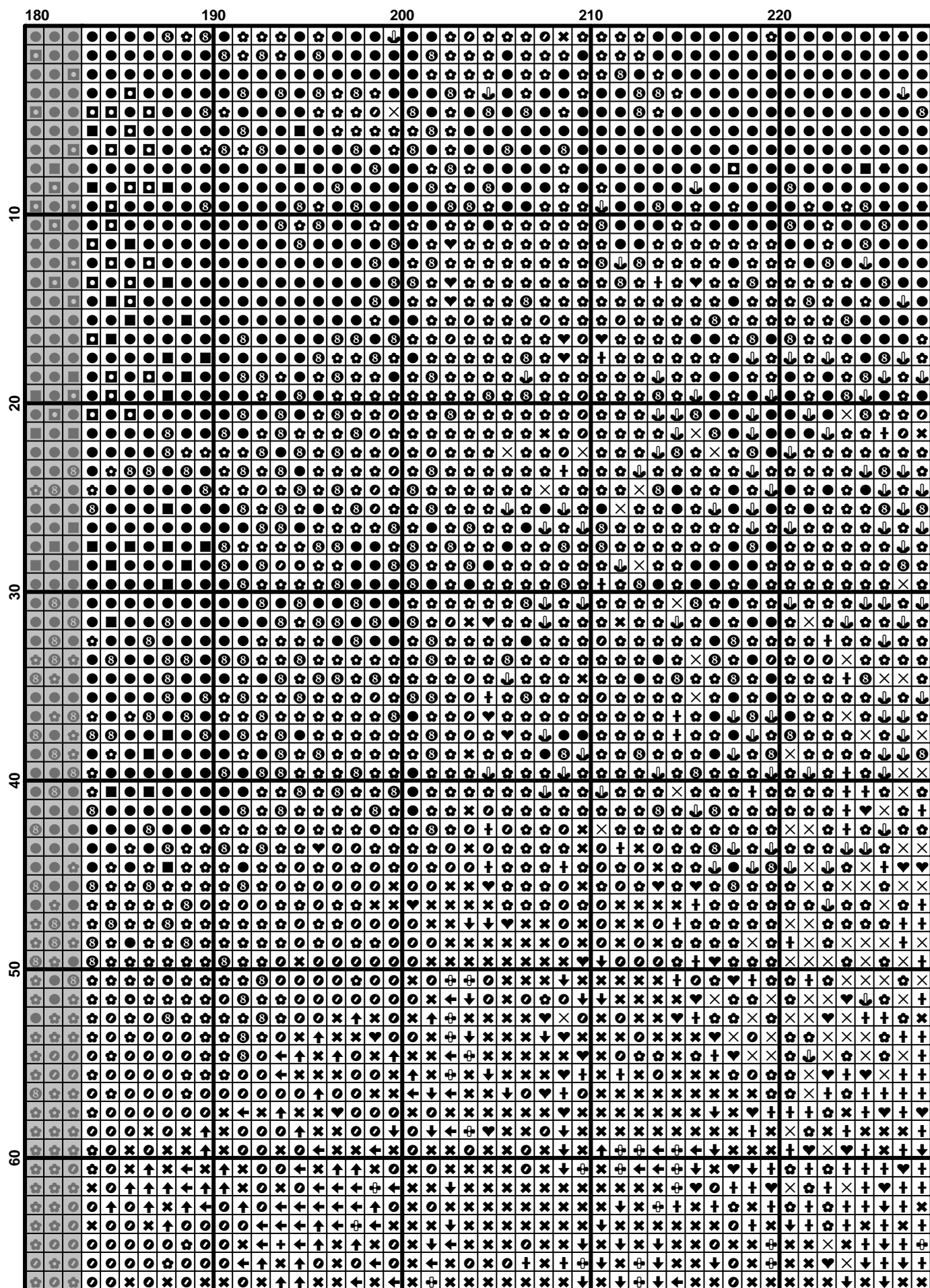


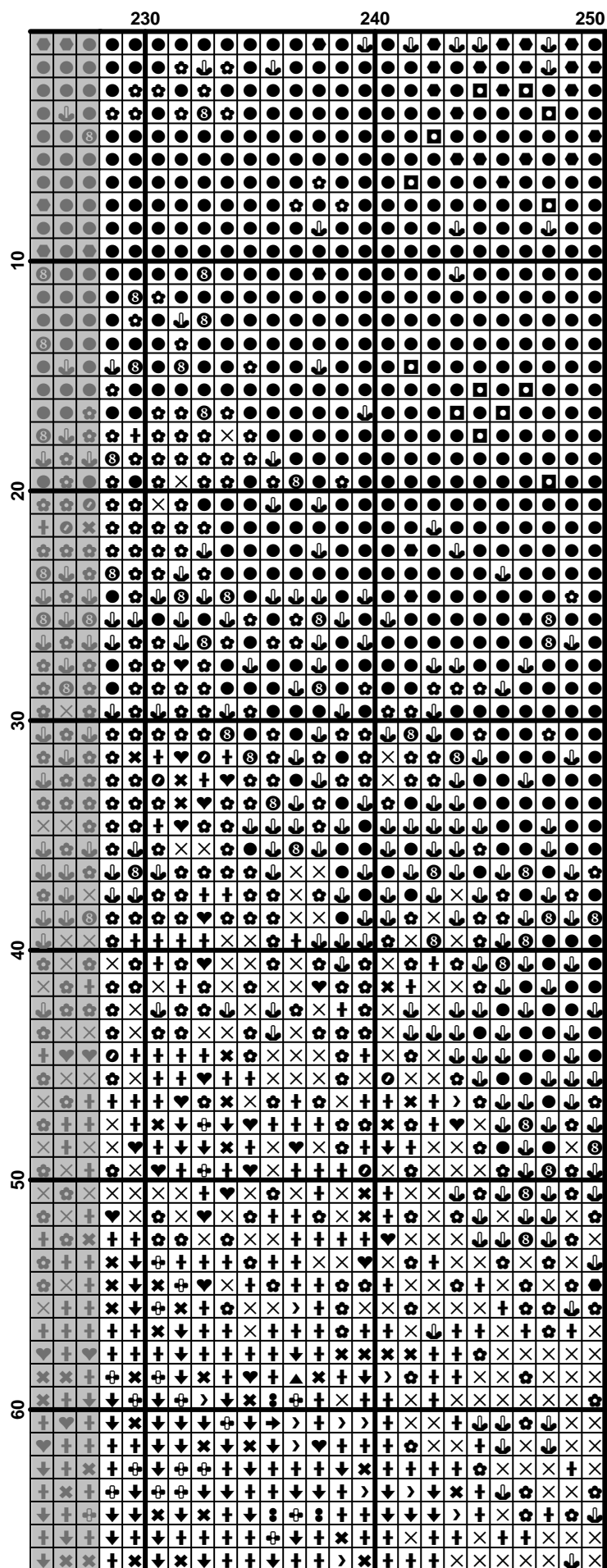


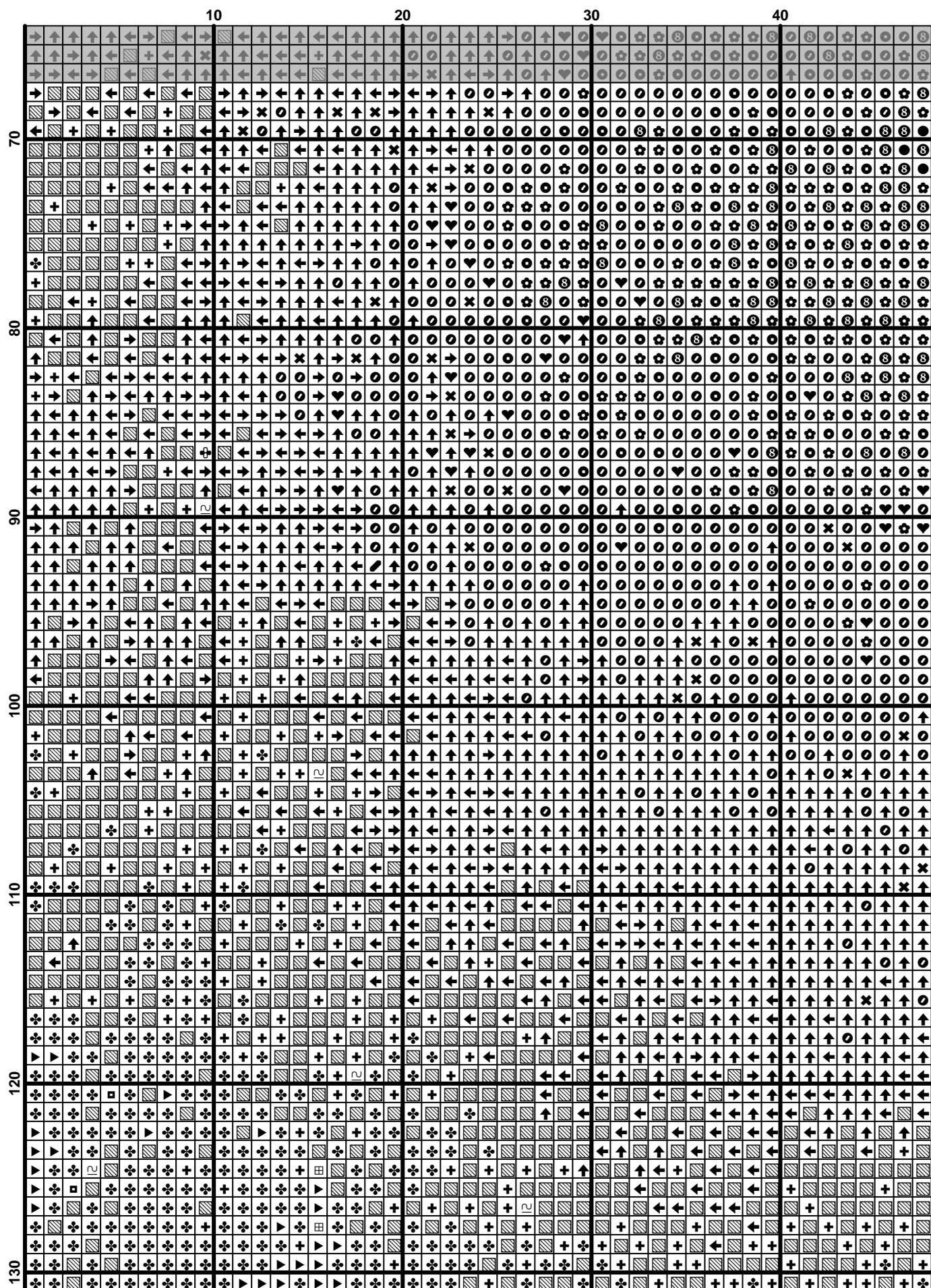




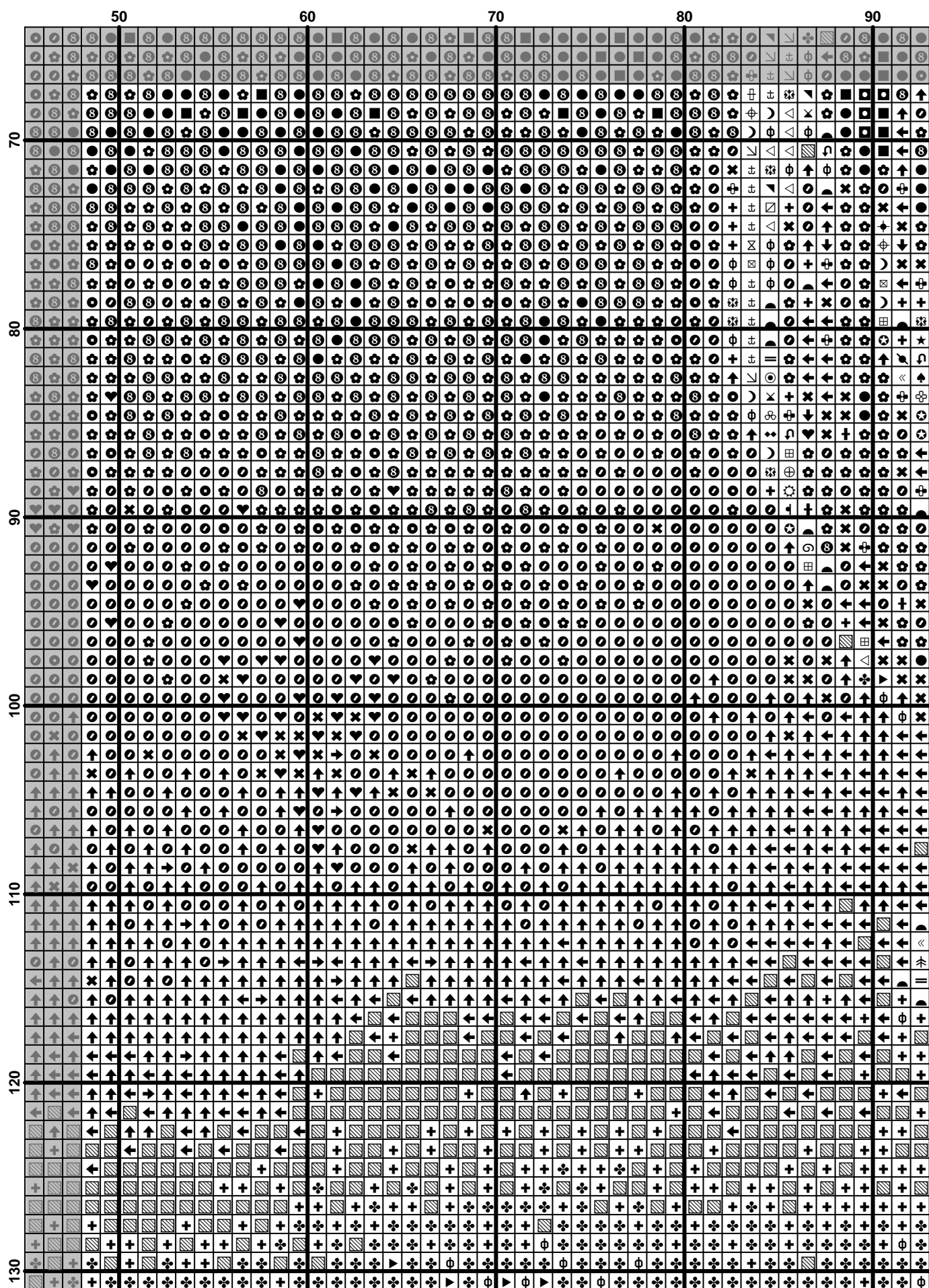










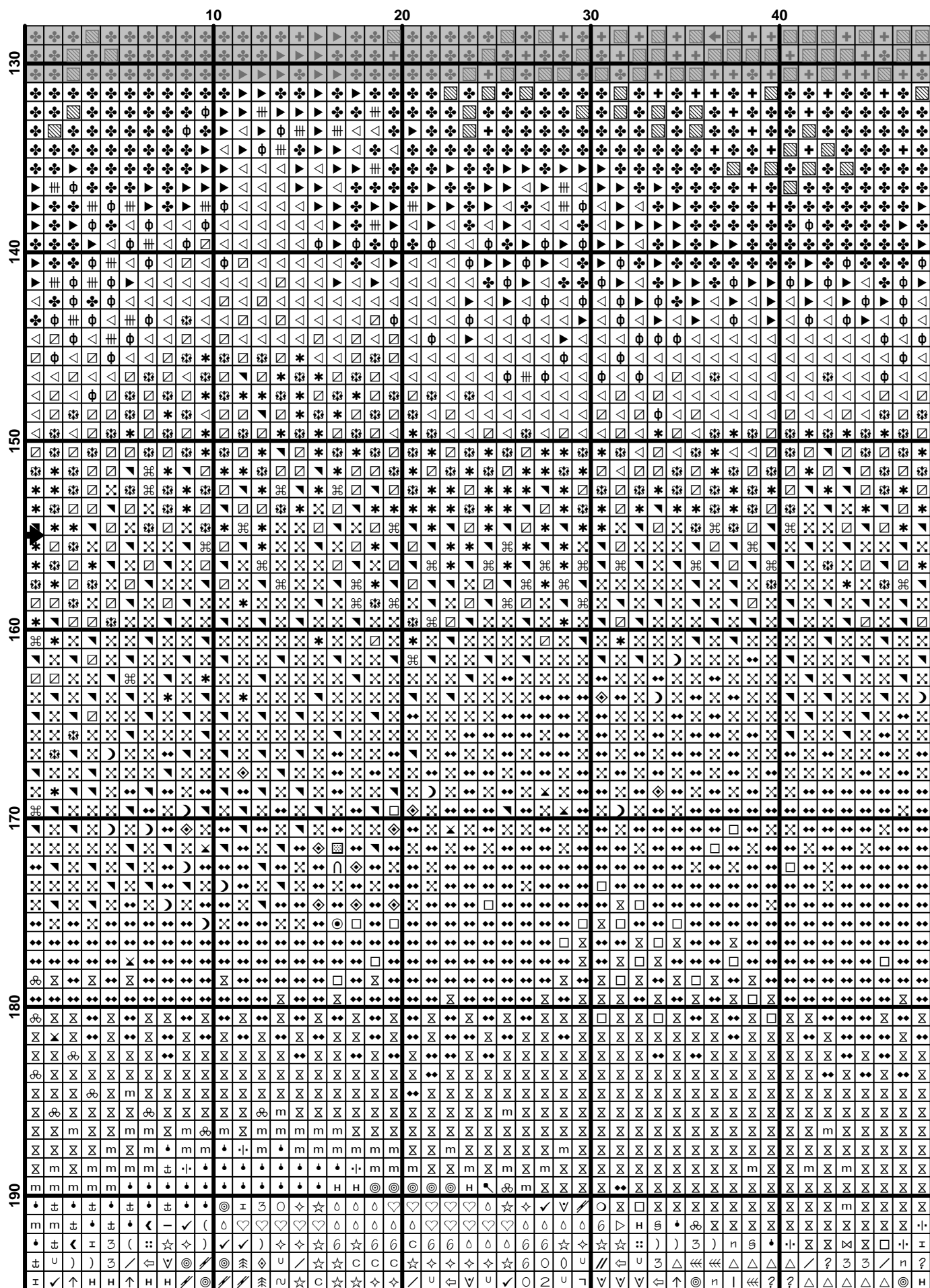


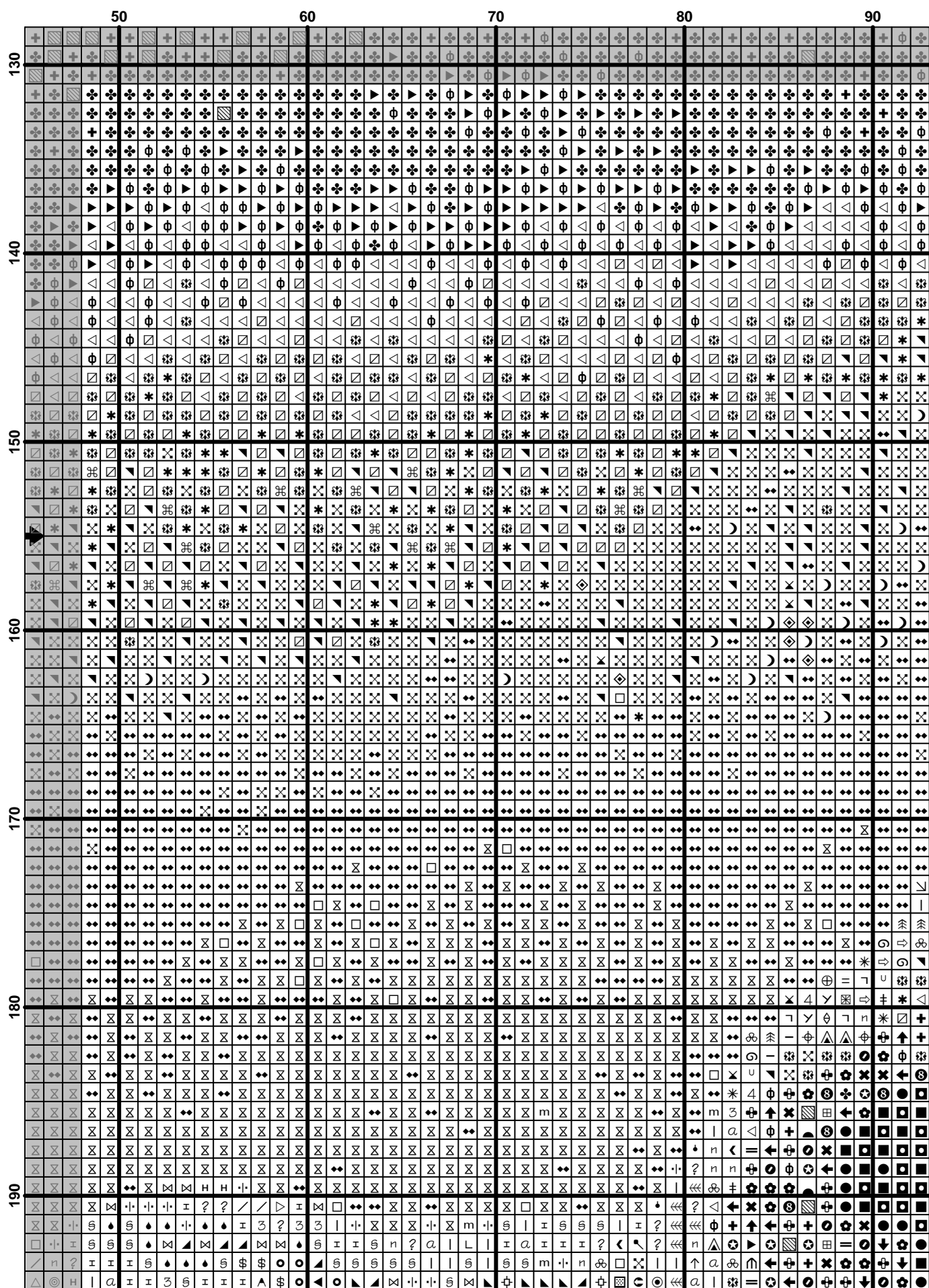
[illegible]

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

[illegible]

(18)

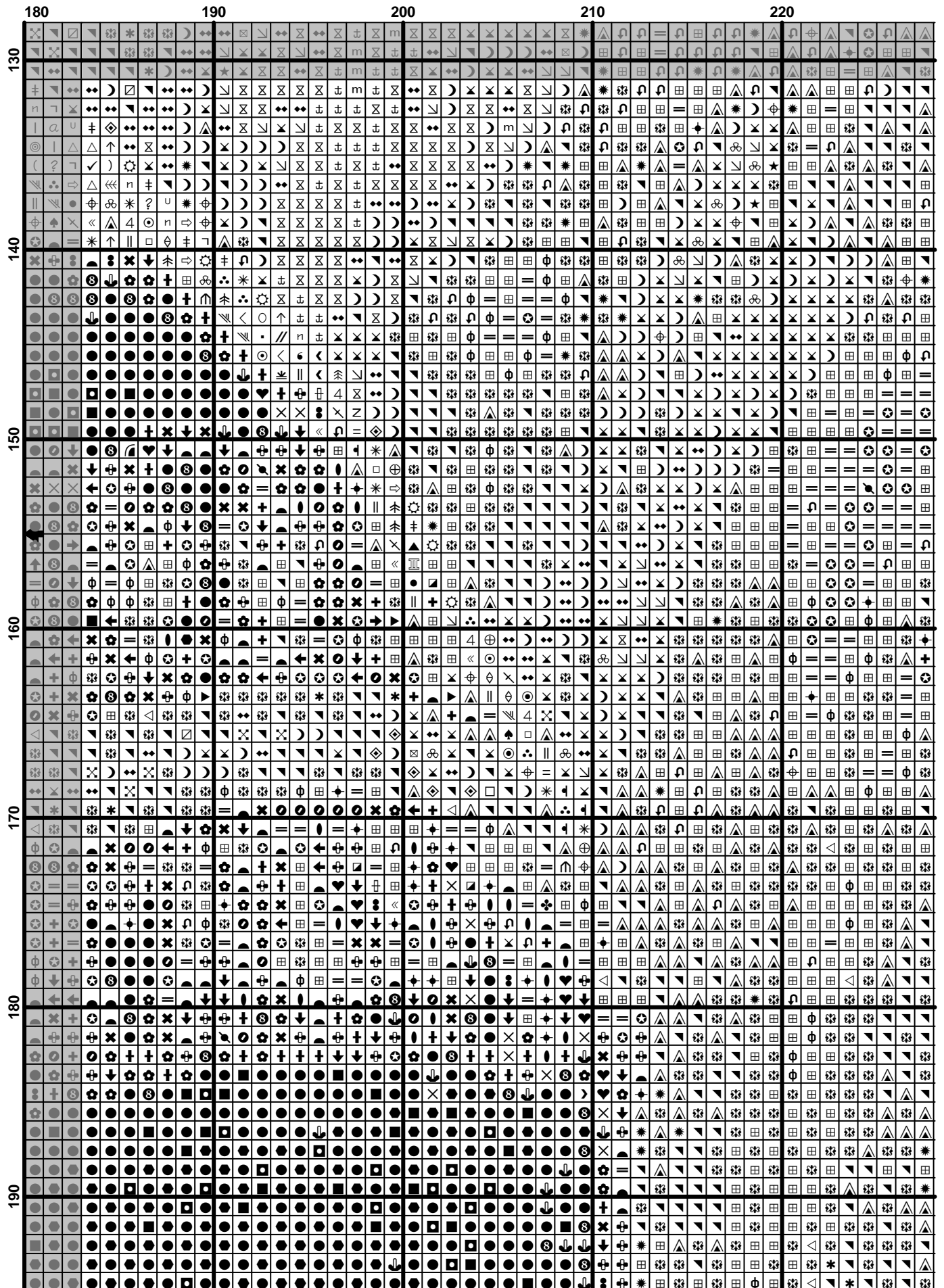


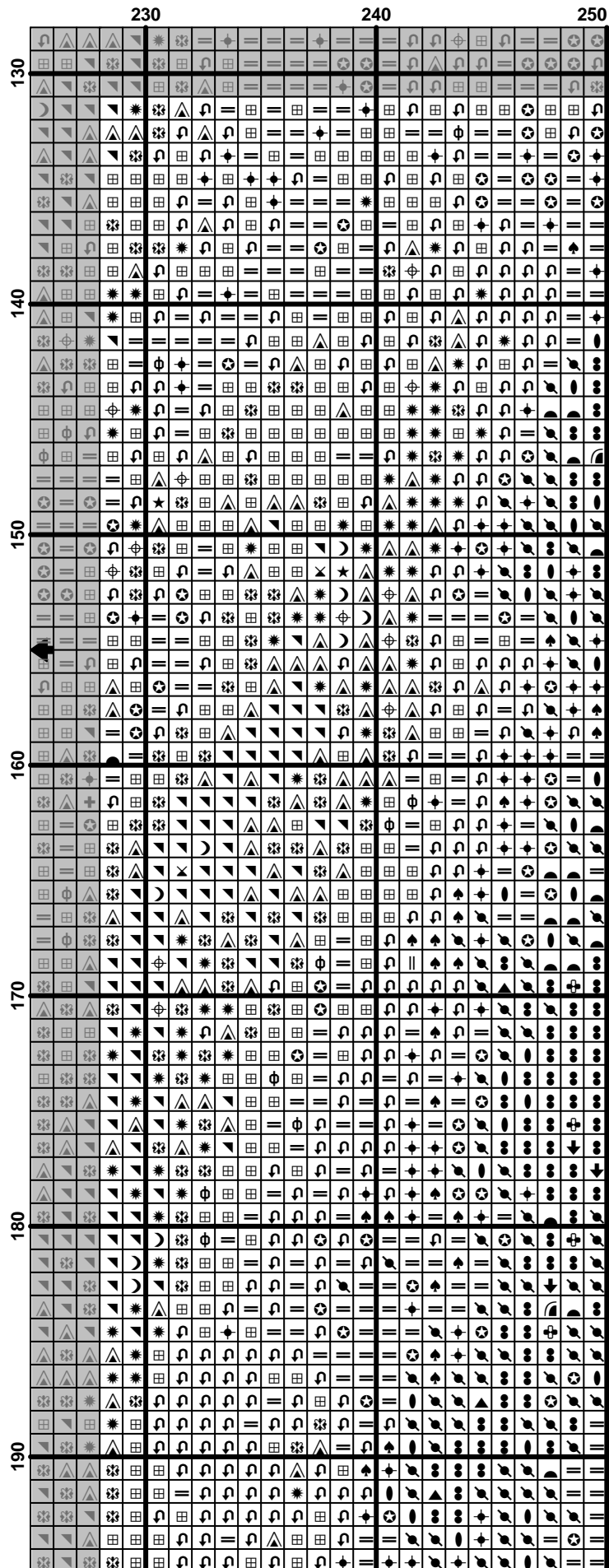




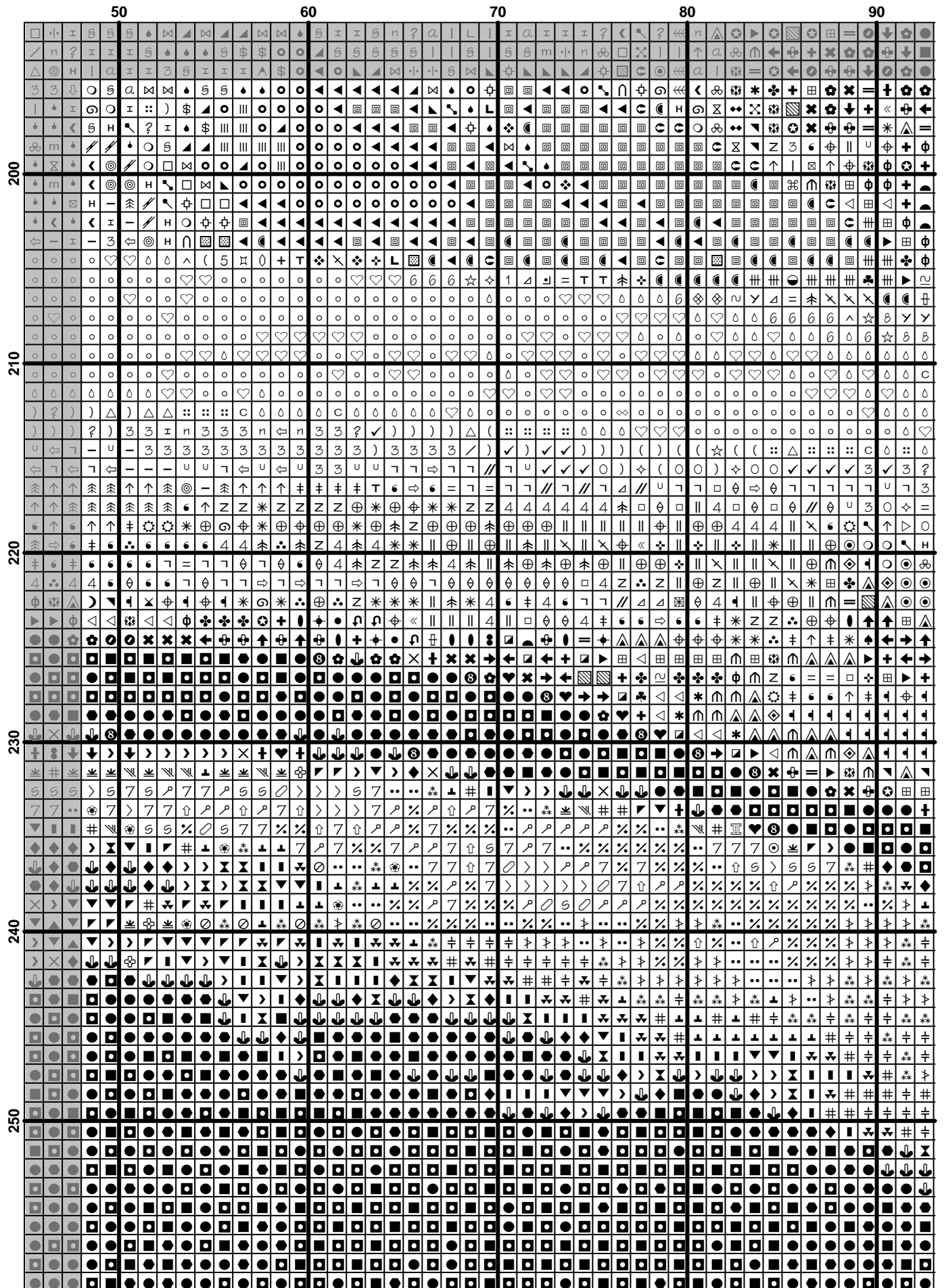
	90	100	110	120	130
130	+	+	+	+	+
140	+	+	+	+	+
150	+	+	+	+	+
160	+	+	+	+	+
170	+	+	+	+	+
180	+	+	+	+	+
190	+	+	+	+	+

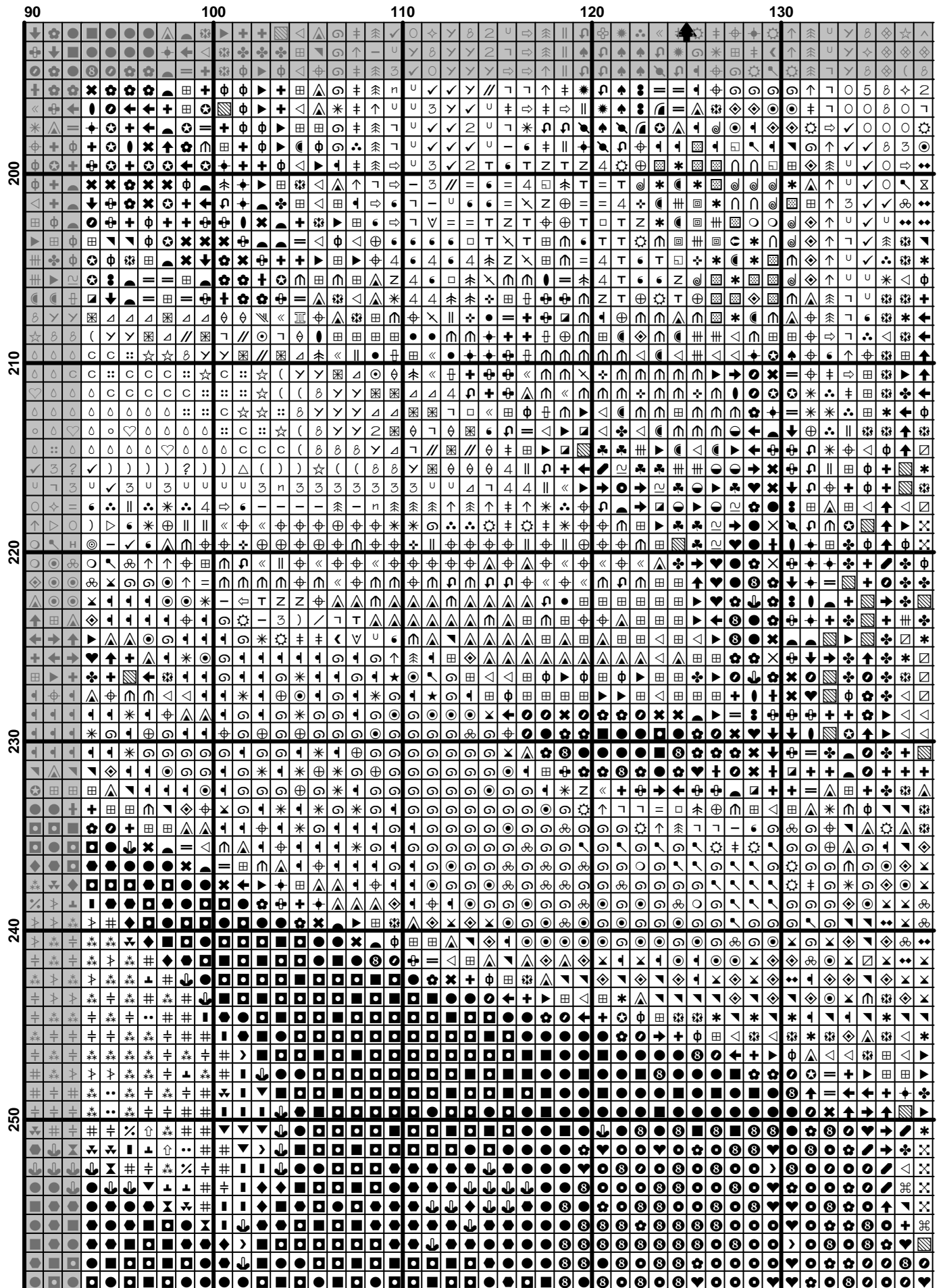
[illegible]





	10	20	30	40
200	...	...	...	...
210	...	...	...	...
220	...	...	...	...
230	...	...	...	...
240	...	...	...	...
250	...	...	...	...









$$(29) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$

