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1047 Cresheim Glen Wissahickon Autumn (large)



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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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Cresheim Glen Wissahickon Autumn(large)

Stitch Count	
Horizontal:	692
Vertical:	553


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:	126	49.33	100	39.37	110	43.17	88	34.45	98	38.375	78	30.625
Including Margins:	142	56	116	46	126	50	104	41	114	45	94	37
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	176	69.06	140	55.11	147	57.55	116	45.93	73	28.77	58	22.96
Including Margins:	192	76	156	62	163	64	132	52	89	35	74	29
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	70	27.62	56	22.04	67	26.56	53	21.19	65	25.57	51	20.41
Including Margins:	86	34	72	29	83	33	69	28	81	32	67	27
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	63	24.66	50	19.68	58	23.02	46	18.37	55	21.58	43	17.22
Including Margins:	79	31	66	26	74	30	62	25	71	28	59	24

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
1	1	White 1
	356	Terra Cotta-MD
	370	Mustard-MD
	371	Mustard
	407	Desert Sand-DK
	413	Pewter Gray -DK
	420	Hazelnut Brown-DK
	422	Hazelnut Brown-LT
	437	Tan-LT
	500	Blue Green-VY DK
	503	Blue Green-MD
	524	Fern Green-VY LT
	611	Drab Brown
	612	Drab Brown-LT
	613	Drab Brown-VY LT
	632	Desert Sand-UL VY DK
	640	Beige Gray-VY DK
	645	Beaver Gray-VY DK
	647	Beaver Gray-MD
	676	Old Gold-LT
	738	Tan-VY LT
	739	Tan-UL VY LT
	745	Yellow -LT Pale
	746	Off White
	747	Sky Blue-VY LT
	762	Pearl Gray-VY LT
	801	Coffee Brown-DK
	827	Blue-VY LT
	830	Golden Olive-DK
	831	Golden Olive-MD
	833	Golden Olive-LT
	838	Beige Brown-VY DK
	844	Beaver Brown-UL DK
	869	Hazelnut Brown-VY DK
	922	Copper-LT
	926	Gray Green-MD
	927	Gray Green-LT
	928	Gray Green-VY LT
	932	Antique Blue-LT

	935	Avocado Green-DK
	950	Desert Sand-LT
	955	Nile Green-LT
	975	Golden Brown-DK
	976	Golden Brown-MD
	977	Golden Brown-LT
	3013	Khaki Green-LT
	3021	Brown Gray -VY DK
	3022	Brown Gray -MD
	3031	Mocha Brown-VY DK
	3045	Yellow Beige-DK
	3046	Yellow Beige-MD
	3064	Desert Sand
	3078	Golden Yellow -VY LT
	3347	Yellow Green-MD
	3363	Pine Green-MD
	3721	Shell Pink- DK
	3722	Shell Pink- MD
	3740	Antique Violet-DK
	3756	Baby Blue-UL VY LT
	3772	Desert Sand-VY DK
	3778	Terra Cotta-LT
	3781	Mocha Brown-DK
	3787	Brown Gray -DK
	3790	Beige Gray-UL DK
	3799	Pewter Gray -VY DK
	3802	Antique Mauve-VY DK
	3823	Yellow -UL Pale
	3825	Pumpkin-Pale
	3826	Golden Brown
	3827	Golden Brown-Pale
	3828	Hazelnut Brown
	3829	Old Gold-VY DK
	3855	Autumn Gold-LT
	3856	Mahogany -UL VY LT
	3857	Rosewood-DK
	3860	Cocoa
	3861	Cocoa-LT
	3864	Mocha Beige-LT
	3866	Mocha Brown-UL VY LT
	Ecru	Ecru

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

Symbol	DMC1	Name1	DMC2	Name2
◦	420	Hazelnut Brown-DK	611	Drab Brown
☐	977	Golden Brown-LT	3828	Hazelnut Brown
←	844	Beaver Brown-UL DK	3787	Brown Gray -DK
◆	844	Beaver Brown-UL DK	3799	Pewter Gray -VY DK
◐	3787	Brown Gray -DK	3790	Beige Gray-UL DK
L	356	Terra Cotta-MD	3064	Desert Sand
1	1	White 1	747	Sky Blue-VY LT
#	738	Tan-VY LT	524	Fern Green-VY LT
☐	3363	Pine Green-MD	3787	Brown Gray -DK
⬆	611	Drab Brown	612	Drab Brown-LT
☐	632	Desert Sand-UL VY DK	3772	Desert Sand-VY DK
☐	738	Tan-VY LT	3013	Khaki Green-LT
☐	370	Mustard-MD	3772	Desert Sand-VY DK
↖	407	Desert Sand-DK	437	Tan-LT
☐	3721	Shell Pink-DK	3772	Desert Sand-VY DK
♠	611	Drab Brown	3790	Beige Gray-UL DK
⬆	3021	Brown Gray -VY DK	3363	Pine Green-MD
«	1	White 1	746	Off White
⬆	422	Hazelnut Brown-LT	3045	Yellow Beige-DK
☐	844	Beaver Brown-UL DK	3802	Antique Mauve-VY DK
❖	611	Drab Brown	3861	Cocoa-LT
◊	613	Drab Brown-VY LT	3866	Mocha Brown-UL VY LT
◊	356	Terra Cotta-MD	3778	Terra Cotta-LT
☐	3721	Shell Pink-DK	420	Hazelnut Brown-DK
⬆	3778	Terra Cotta-LT	3825	Pumpkin-Pale
☐	356	Terra Cotta-MD	977	Golden Brown-LT
▲	632	Desert Sand-UL VY DK	3860	Cocoa
⬆	3721	Shell Pink-DK	977	Golden Brown-LT
×	3825	Pumpkin-Pale	922	Copper-LT
↗	356	Terra Cotta-MD	3045	Yellow Beige-DK
☐	3363	Pine Green-MD	3790	Beige Gray-UL DK
//	371	Mustard	3347	Yellow Green-MD
☐	612	Drab Brown-LT	3790	Beige Gray-UL DK
◐	3826	Golden Brown	3721	Shell Pink-DK
☐	3721	Shell Pink-DK	356	Terra Cotta-MD
◀	922	Copper-LT	977	Golden Brown-LT
+	747	Sky Blue-VY LT	827	Blue-VY LT
5	827	Blue-VY LT	955	Nile Green-LT
☐	420	Hazelnut Brown-DK	3772	Desert Sand-VY DK
8	3856	Mahogany-UL VY LT	745	Yellow -LT Pale
/	676	Old Gold-LT	3855	Autumn Gold-LT
✓	3827	Golden Brown-Pale	3855	Autumn Gold-LT
↓	437	Tan-LT	3856	Mahogany-UL VY LT
☐	632	Desert Sand-UL VY DK	3721	Shell Pink-DK
⬆	3787	Brown Gray -DK	3802	Antique Mauve-VY DK
☐	647	Beaver Gray-MD	524	Fern Green-VY LT
☐	833	Golden Olive-LT	3827	Golden Brown-Pale
☐	833	Golden Olive-LT	676	Old Gold-LT
⬆	3721	Shell Pink-DK	3064	Desert Sand
○	3046	Yellow Beige-MD	422	Hazelnut Brown-LT
☐	3828	Hazelnut Brown	420	Hazelnut Brown-DK
☐	827	Blue-VY LT	932	Antique Blue-LT
..	827	Blue-VY LT	928	Gray Green-VY LT

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3	747	Sky Blue-VY LT	928	Gray Green-VY LT
♡	955	Nile Green-LT	3866	Mocha Brown-UL VY LT
⇒	746	Off White	762	Pearl Gray-VY LT
■	500	Blue Green-VY DK	935	Avocado Green-DK
●	500	Blue Green-VY DK	3799	Pewter Gray -VY DK
○	3866	Mocha Brown-UL VY LT	739	Tan-UL VY LT
☒	613	Drab Brown-VY LT	955	Nile Green-LT
♥	500	Blue Green-VY DK	844	Beaver Brown-UL DK
▲	420	Hazelnut Brown-DK	3064	Desert Sand
♠	928	Gray Green-VY LT	955	Nile Green-LT
◀	611	Drab Brown	831	Golden Olive-MD
✱	3045	Yellow Beige-DK	3828	Hazelnut Brown
✧	977	Golden Brown-LT	3827	Golden Brown-Pale
⬆	356	Terra Cotta-MD	922	Copper-LT
☾	370	Mustard-MD	830	Golden Olive-DK
✿	3802	Antique Mauve-VY DK	640	Beige Gray-VY DK
♣	3860	Cocoa	3781	Mocha Brown-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	932	366	888	349	799	314
356	Terra Cotta-MD	2357	927	2245	883	2020	795
370	Mustard-MD	948	373	903	355	813	320
371	Mustard	667	262	635	250	571	224
407	Desert Sand-DK	1098	432	1046	411	941	370
413	Pewter Gray -DK	698	274	664	261	598	235
420	Hazelnut Brown-DK	2199	865	2095	824	1885	742
422	Hazelnut Brown-LT	972	382	925	364	833	327
437	Tan-LT	1534	603	1461	575	1315	517
500	Blue Green-VY DK	9562	3764	9107	3585	8196	3226
503	Blue Green-MD	115	45	109	42	98	38
524	Fern Green-VY LT	808	318	770	303	693	272
611	Drab Brown	2962	1166	2821	1110	2539	999
612	Drab Brown-LT	2733	1075	2603	1024	2343	922
613	Drab Brown-VY LT	767	301	730	287	657	258
632	Desert Sand-UL VY DK	2172	855	2069	814	1862	733
640	Beige Gray-VY DK	2195	864	2091	823	1882	740
645	Beaver Gray-VY DK	1436	565	1367	538	1231	484
647	Beaver Gray-MD	566	222	539	212	485	190
676	Old Gold-LT	559	220	532	209	479	188
738	Tan-VY LT	1302	512	1240	488	1116	439
739	Tan-UL VY LT	541	212	515	202	464	182
745	Yellow -LT Pale	650	255	619	243	557	219
746	Off White	1117	439	1064	418	957	376
747	Sky Blue-VY LT	756	297	720	283	648	255
762	Pearl Gray-VY LT	112	44	107	42	96	37
801	Coffee Brown-DK	480	188	457	179	411	161
827	Blue-VY LT	365	143	347	136	312	122
830	Golden Olive-DK	741	291	705	277	635	250
831	Golden Olive-MD	222	87	212	83	191	75
833	Golden Olive-LT	587	231	559	220	503	198
838	Beige BrownVY DK	465	183	443	174	399	157
844	Beaver Brown-UL DK	8396	3305	7996	3148	7196	2833
869	Hazelnut Brown-VY DK	409	161	390	153	351	138
922	Copper-LT	773	304	736	289	662	260
926	Gray Green-MD	145	57	138	54	125	49
927	Gray Green-LT	146	57	139	54	125	49
928	Gray Green-VY LT	442	174	421	165	379	149
932	Antique Blue-LT	84	33	80	31	72	28
935	Avocado Green-DK	547	215	521	205	469	184
950	Desert Sand-LT	187	73	179	70	161	63
955	Nile Green-LT	453	178	431	169	388	152
975	Golden BrownDK	272	107	259	101	233	91
976	Golden BrownMD	76	29	72	28	65	25
977	Golden BrownLT	1440	566	1371	539	1234	485
3013	Khaki Green-LT	975	383	929	365	836	329
3021	Brown Gray -VY DK	2983	1174	2841	1118	2556	1006
3022	Brown Gray -MD	740	291	705	277	634	249
3031	Mocha Brown-VY DK	1513	595	1441	567	1297	510
3045	Yellow Beige-DK	1757	691	1674	659	1506	592
3046	Yellow Beige-MD	545	214	519	204	467	183
3064	Desert Sand	2139	842	2037	801	1833	721
3078	Golden Yellow-VY LT	349	137	333	131	299	117
3347	Yellow Green-MD	144	56	137	53	123	48

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3363	Pine Green-MD	1153	453	1098	432	989	389
3721	Shell Pink-DK	1755	690	1671	657	1504	592
3722	Shell Pink-MD	112	44	106	41	96	37
3740	Antique Violet-DK	228	89	217	85	195	76
3756	Baby Blue-UL VY LT	86	33	81	31	73	28
3772	Desert Sand-VY DK	3762	1481	3583	1410	3225	1269
3778	Terra Cotta-LT	1263	497	1203	473	1083	426
3781	Mocha Brown-DK	3079	1212	2932	1154	2639	1038
3787	Brown Gray -DK	4968	1955	4731	1862	4258	1676
3790	Beige Gray-UL DK	4035	1588	3842	1512	3458	1361
3799	Pewter Gray-VY DK	5692	2240	5421	2134	4879	1920
3802	Antique Mauve-VY DK	1099	432	1047	412	942	370
3823	Yellow -UL Pale	715	281	681	268	612	240
3825	Pumpkin-Pale	1226	482	1168	459	1051	413
3826	Golden Brown	428	168	408	160	367	144
3827	Golden Brown-Pale	1707	672	1626	640	1463	575
3828	Hazelnut Brown	1321	520	1258	495	1132	445
3829	Old Gold-VY DK	96	37	92	36	82	32
3855	Autumn Gold-LT	1062	418	1012	398	911	358
3856	Mahogany-UL VY LT	1314	517	1252	492	1127	443
3857	Rosewood-DK	58	22	55	21	50	19
3860	Cocoa	3068	1207	2921	1150	2629	1035
3861	Cocoa-LT	1309	515	1247	490	1122	441
3864	Mocha Beige-LT	653	257	622	244	560	220
3866	Mocha Brown-UL VY LT	385	151	367	144	330	129
Ecru	Ecru	252	99	240	94	216	85

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
1	White 1	1438	565	1199	471	599	236
356	Terra Cotta-MD	3636	1431	3030	1193	1515	596
370	Mustard-MD	1463	576	1220	480	610	240
371	Mustard	1028	403	857	336	428	168
407	Desert Sand-DK	1694	666	1412	555	706	278
413	Pewter Gray -DK	1076	423	897	353	449	176
420	Hazelnut Brown-DK	3393	1336	2828	1113	1414	557
422	Hazelnut Brown-LT	1499	589	1250	491	625	245
437	Tan-LT	2367	931	1973	776	986	388
500	Blue Green-VY DK	14753	5807	12294	4839	6147	2420
503	Blue Green-MD	176	68	147	57	74	29
524	Fern Green-VY LT	1247	490	1040	408	520	204
611	Drab Brown	4570	1798	3809	1499	1904	749
612	Drab Brown-LT	4217	1660	3515	1383	1757	692
613	Drab Brown-VY LT	1183	464	986	387	493	194
632	Desert Sand-UL VY DK	3352	1319	2793	1100	1397	550
640	Beige Gray-VY DK	3388	1332	2823	1110	1412	555
645	Beaver Gray-VY DK	2216	871	1847	726	923	363
647	Beaver Gray-MD	873	342	728	285	364	143
676	Old Gold-LT	862	338	719	282	359	141
738	Tan-VY LT	2009	790	1674	659	837	329
739	Tan-UL VY LT	835	328	696	273	348	137
745	Yellow-LT Pale	1003	394	836	329	418	164
746	Off White	1723	677	1436	564	718	282
747	Sky Blue-VY LT	1166	459	972	383	486	191
762	Pearl Gray-VY LT	173	67	144	56	72	28

801	Coffee Brown-DK	740	290	617	242	308	121
827	Blue-VY LT	562	220	468	183	234	92
830	Golden Olive-DK	1143	450	953	375	476	188
831	Golden Olive-MD	344	135	287	113	143	56
833	Golden Olive-LT	905	356	755	297	377	149
838	Beige Brown-VY DK	718	283	599	236	299	118
844	Beaver Brown-UL DK	12953	5099	10794	4250	5397	2125
869	Hazelnut Brown-VY DK	632	248	527	207	263	104
922	Copper-LT	1192	468	993	390	497	195
926	Gray Green-MD	225	88	188	74	94	37
927	Gray Green-LT	225	88	188	74	94	37
928	Gray Green-VY LT	682	268	569	224	284	112
932	Antique Blue-LT	130	50	108	42	54	21
935	Avocado Green-DK	844	331	704	276	352	138
950	Desert Sand-LT	290	113	242	95	121	47
955	Nile Green-LT	698	274	582	228	291	114
975	Golden Brown-DK	419	164	350	137	175	68
976	Golden Brown-MD	117	45	98	38	49	19
977	Golden Brown-LT	2221	873	1851	728	926	364
3013	Khaki Green-LT	1505	592	1254	494	627	247
3021	Brown Gray -VY DK	4601	1811	3834	1509	1917	755
3022	Brown Gray -MD	1141	448	951	374	476	187
3031	Mocha Brown-VY DK	2335	918	1946	765	973	383
3045	Yellow Beige-DK	2711	1066	2259	888	1130	444
3046	Yellow Beige-MD	841	329	701	275	350	137
3064	Desert Sand	3299	1298	2750	1082	1375	541
3078	Golden Yellow -VY LT	538	211	449	176	224	88
3347	Yellow Green-MD	221	86	185	72	92	36
3363	Pine Green-MD	1780	700	1484	584	742	292
3721	Shell Pink-DK	2707	1066	2256	888	1128	444
3722	Shell Pink-MD	173	67	144	56	72	28
3740	Antique Violet-DK	351	137	293	114	146	57
3756	Baby Blue-UL VY LT	131	50	110	42	55	21
3772	Desert Sand-VY DK	5805	2284	4838	1904	2419	952
3778	Terra Cotta-LT	1949	767	1625	639	812	320
3781	Mocha Brown-DK	4750	1868	3959	1557	1979	779
3787	Brown Gray -DK	7664	3017	6387	2514	3194	1257
3790	Beige Gray-UL DK	6224	2450	5187	2042	2594	1021
3799	Pewter Gray -VY DK	8782	3456	7319	2880	3659	1440
3802	Antique Mauve-VY DK	1696	666	1413	555	707	278
3823	Yellow -UL Pale	1102	432	918	360	459	180
3825	Pumpkin-Pale	1892	743	1577	620	788	310
3826	Golden Brown	661	259	551	216	275	108
3827	Golden Brown-Pale	2633	1035	2195	863	1097	431
3828	Hazelnut Brown	2038	801	1698	668	849	334
3829	Old Gold-VY DK	148	58	123	48	62	24
3855	Autumn Gold-LT	1640	644	1367	537	683	269
3856	Mahogany-UL VY LT	2029	797	1691	665	845	332
3857	Rosewood-DK	90	34	75	29	38	14
3860	Cocoa	4732	1863	3944	1553	1972	776
3861	Cocoa-LT	2020	794	1683	662	842	331
3864	Mocha Beige-LT	1008	396	840	330	420	165
3866	Mocha Brown-UL VY LT	594	232	495	194	248	97
Ecru	Ecru	389	153	324	128	162	64

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
1	White 1	575	226	553	217	533	209
356	Terra Cotta-MD	1454	572	1398	550	1347	530
370	Mustard-MD	585	230	563	222	542	213
371	Mustard	411	161	395	155	381	149
407	Desert Sand-DK	678	266	651	256	627	247
413	Pewter Gray -DK	431	169	414	163	399	157
420	Hazelnut Brown-DK	1357	534	1305	514	1257	495
422	Hazelnut Brown-LT	600	235	577	226	555	218
437	Tan-LT	947	372	910	358	877	345
500	Blue Green-VY DK	5901	2323	5674	2233	5464	2151
503	Blue Green-MD	71	27	68	26	65	25
524	Fern Green-VY LT	499	196	480	188	462	181
611	Drab Brown	1828	719	1758	692	1693	666
612	Drab Brown-LT	1687	664	1622	638	1562	615
613	Drab Brown-VY LT	473	186	455	179	438	172
632	Desert Sand-UL VY DK	1341	528	1289	507	1241	489
640	Beige Gray-VY DK	1355	533	1303	512	1255	493
645	Beaver Gray-VY DK	886	348	852	335	821	323
647	Beaver Gray-MD	349	137	336	132	323	127
676	Old Gold-LT	345	135	332	130	319	125
738	Tan-VY LT	804	316	773	304	744	293
739	Tan-UL VY LT	334	131	321	126	309	121
745	Yellow -LT Pale	401	158	386	152	371	146
746	Off White	689	271	663	260	638	251
747	Sky Blue-VY LT	467	184	449	177	432	170
762	Pearl Gray-VY LT	69	27	66	26	64	25
801	Coffee Brown-DK	296	116	285	111	274	107
827	Blue-VY LT	225	88	216	84	208	81
830	Golden Olive-DK	457	180	440	173	423	167
831	Golden Olive-MD	138	54	132	52	127	50
833	Golden Olive-LT	362	143	348	137	335	132
838	Beige Brown-VY DK	287	113	276	109	266	105
844	Beaver Brown-UL DK	5181	2040	4982	1961	4797	1889
869	Hazelnut Brown-VY DK	253	99	243	96	234	92
922	Copper-LT	477	187	458	180	441	173
926	Gray Green-MD	90	35	87	34	83	33
927	Gray Green-LT	90	35	87	34	83	33
928	Gray Green-VY LT	273	107	262	103	253	99
932	Antique Blue-LT	52	20	50	19	48	19
935	Avocado Green-DK	338	132	325	127	313	123
950	Desert Sand-LT	116	45	111	44	107	42
955	Nile Green-LT	279	109	269	105	259	101
975	Golden Brown-DK	168	66	161	63	155	61
976	Golden Brown-MD	47	18	45	17	43	17
977	Golden Brown-LT	888	349	854	336	823	323
3013	Khaki Green-LT	602	237	579	228	557	219
3021	Brown Gray -VY DK	1840	724	1770	696	1704	671
3022	Brown Gray -MD	456	179	439	172	423	166
3031	Mocha Brown-VY DK	934	367	898	353	865	340
3045	Yellow Beige-DK	1084	426	1043	410	1004	395
3046	Yellow Beige-MD	336	132	323	127	311	122
3064	Desert Sand	1320	519	1269	499	1222	481
3078	Golden Yellow -VY LT	215	84	207	81	199	78

3347	Yellow Green-MD	89	35	85	33	82	32
3363	Pine Green-MD	712	280	685	269	659	259
3721	Shell Pink-DK	1083	426	1041	410	1003	395
3722	Shell Pink-MD	69	27	66	26	64	25
3740	Antique Violet-DK	140	55	135	53	130	51
3756	Baby Blue-UL VY LT	53	20	51	19	49	19
3772	Desert Sand-VY DK	2322	914	2233	879	2150	846
3778	Terra Cotta-LT	780	307	750	295	722	284
3781	Mocha Brown-DK	1900	747	1827	719	1759	692
3787	Brown Gray-DK	3066	1207	2948	1160	2839	1117
3790	Beige Gray-UL DK	2490	980	2394	942	2305	907
3799	Pewter Gray-VY DK	3513	1382	3378	1329	3253	1280
3802	Antique Mauve-VY DK	678	266	652	256	628	247
3823	Yellow-UL Pale	441	173	424	166	408	160
3825	Pumpkin-Pale	757	297	728	286	701	275
3826	Golden Brown	264	104	254	100	245	96
3827	Golden Brown-Pale	1053	414	1013	398	975	383
3828	Hazelnut Brown	815	320	784	308	755	297
3829	Old Gold-VY DK	59	23	57	22	55	21
3855	Autumn Gold-LT	656	258	631	248	607	239
3856	Mahogany-UL VY LT	811	319	780	307	751	295
3857	Rosewood-DK	36	14	35	13	33	13
3860	Cocoa	1893	745	1820	717	1753	690
3861	Cocoa-LT	808	318	777	305	748	294
3864	Mocha Beige-LT	403	158	388	152	373	147
3866	Mocha Brown-UL VY LT	238	93	228	89	220	86
Ecru	Ecru	156	61	150	59	144	57

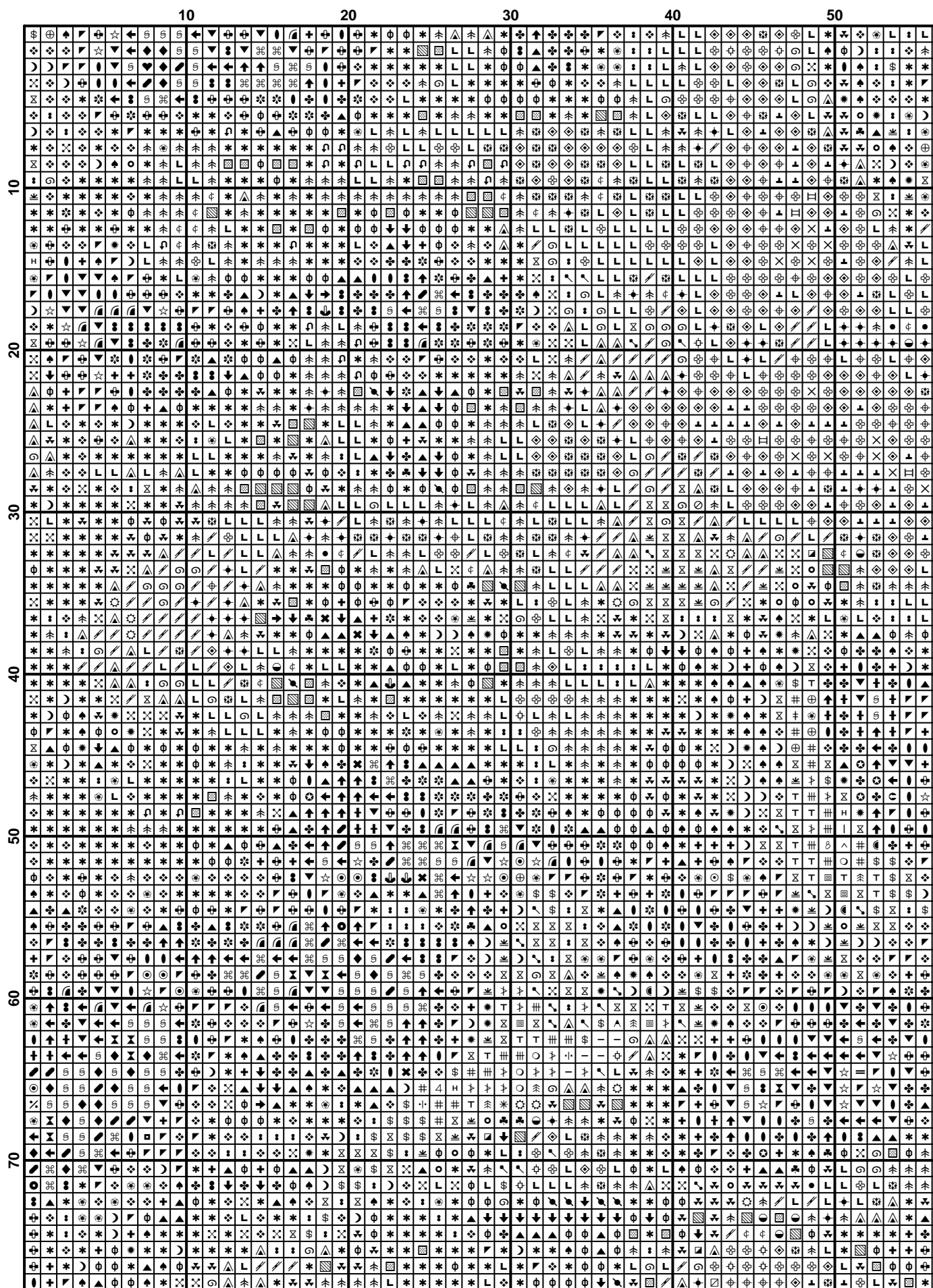
Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
1	White 1	514	202	479	188	449	177
356	Terra Cotta-MD	1299	511	1212	477	1136	447
370	Mustard-MD	523	206	488	192	457	180
371	Mustard	367	144	343	134	321	126
407	Desert Sand-DK	605	238	565	222	529	208
413	Pewter Gray-DK	384	151	359	141	336	132
420	Hazelnut Brown-DK	1212	477	1131	445	1060	417
422	Hazelnut Brown-LT	536	210	500	196	469	184
437	Tan-LT	845	332	789	310	740	291
500	Blue Green-VY DK	5269	2074	4918	1936	4610	1815
503	Blue Green-MD	63	24	59	23	55	21
524	Fern Green-VY LT	446	175	416	163	390	153
611	Drab Brown	1632	642	1523	599	1428	562
612	Drab Brown-LT	1506	593	1406	553	1318	519
613	Drab Brown-VY LT	422	166	394	155	370	145
632	Desert Sand-UL VY DK	1197	471	1117	440	1047	412
640	Beige Gray-VY DK	1210	476	1129	444	1059	416
645	Beaver Gray-VY DK	791	311	739	290	692	272
647	Beaver Gray-MD	312	122	291	114	273	107
676	Old Gold-LT	308	121	287	113	269	106
738	Tan-VY LT	717	282	670	263	628	247
739	Tan-UL VY LT	298	117	278	109	261	102
745	Yellow-LT Pale	358	141	334	131	313	123
746	Off White	615	242	574	226	538	212
747	Sky Blue-VY LT	417	164	389	153	365	143
762	Pearl Gray-VY LT	62	24	58	22	54	21

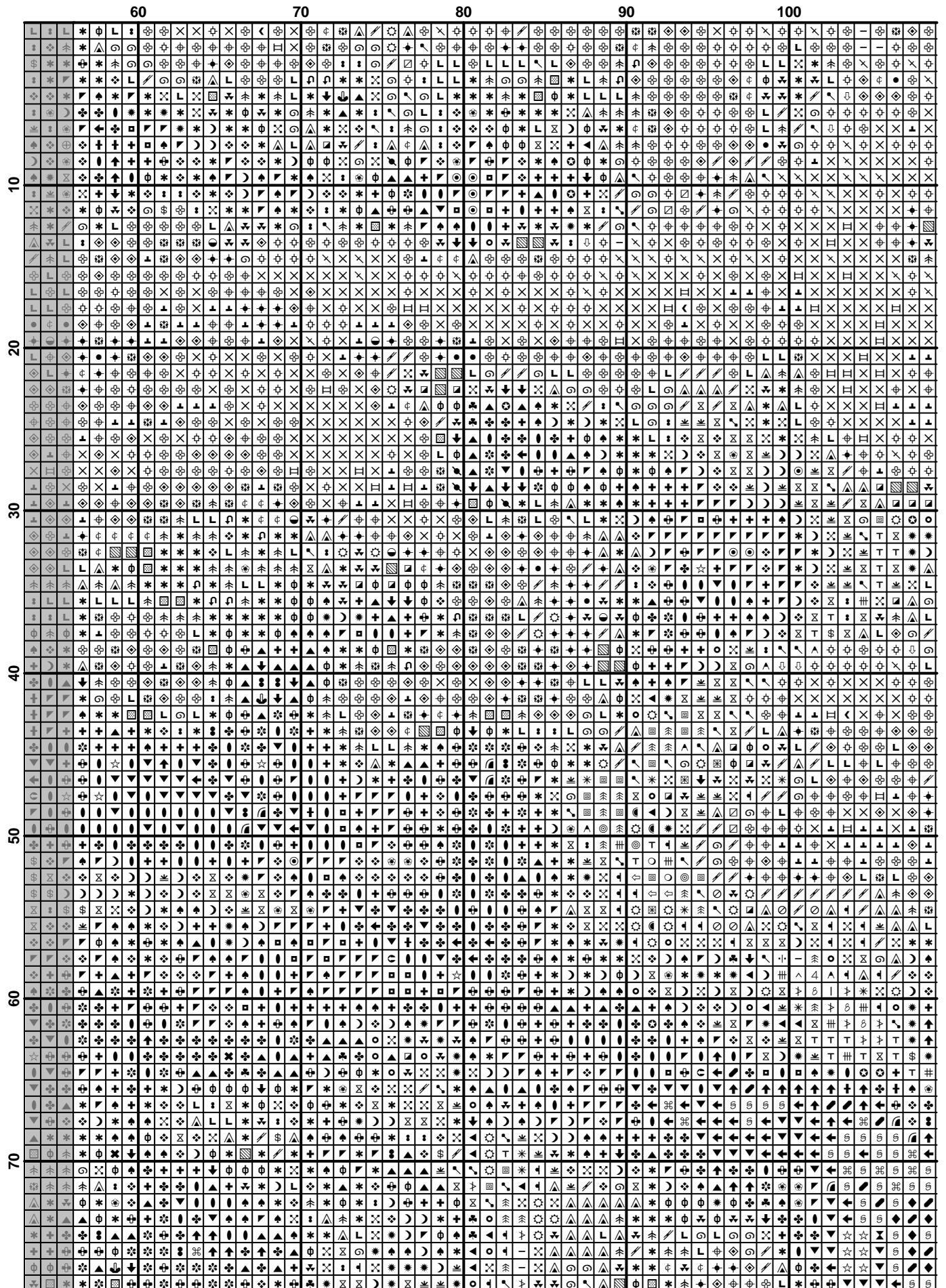
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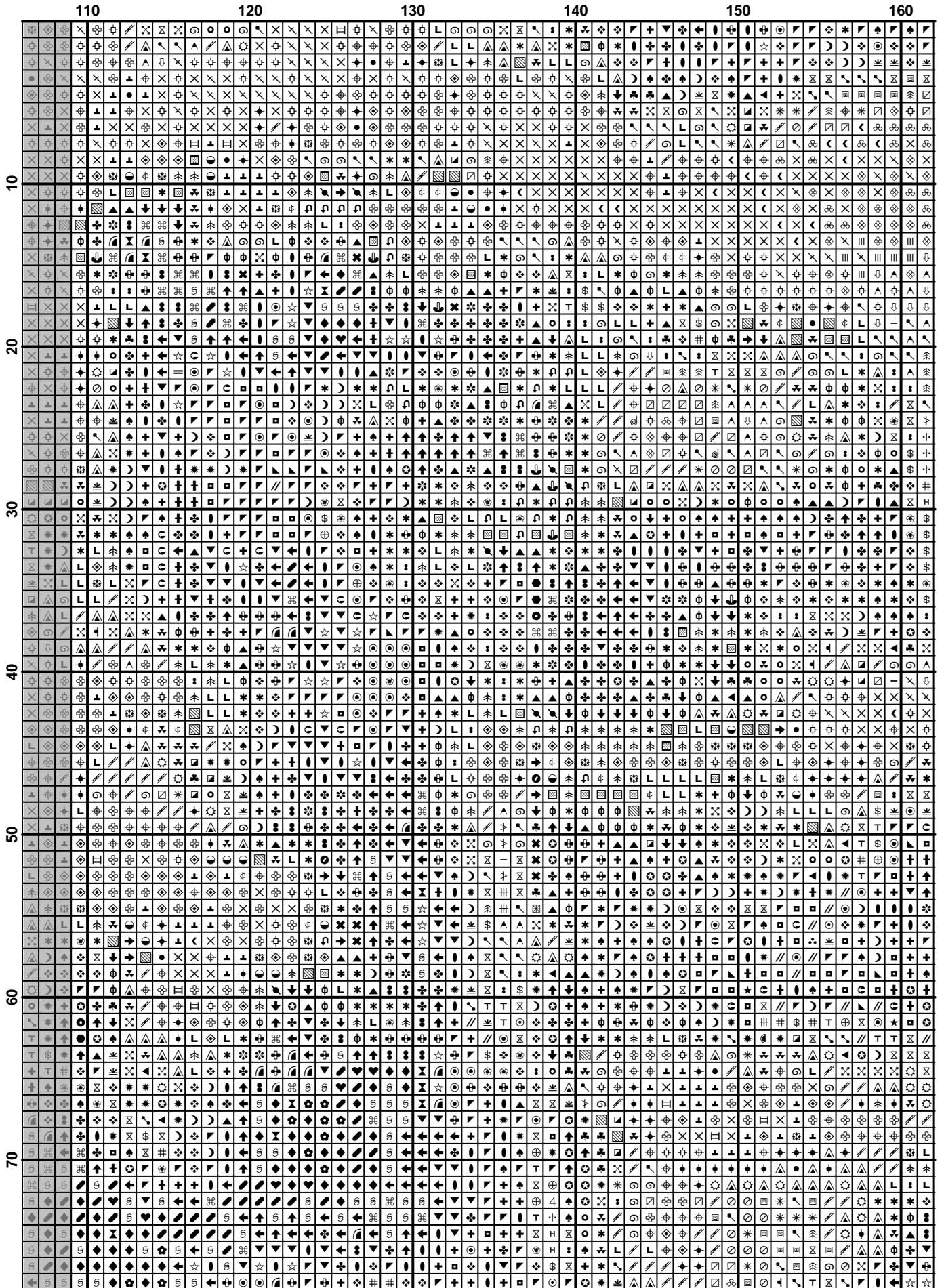
Internet: www.goldenkite.com

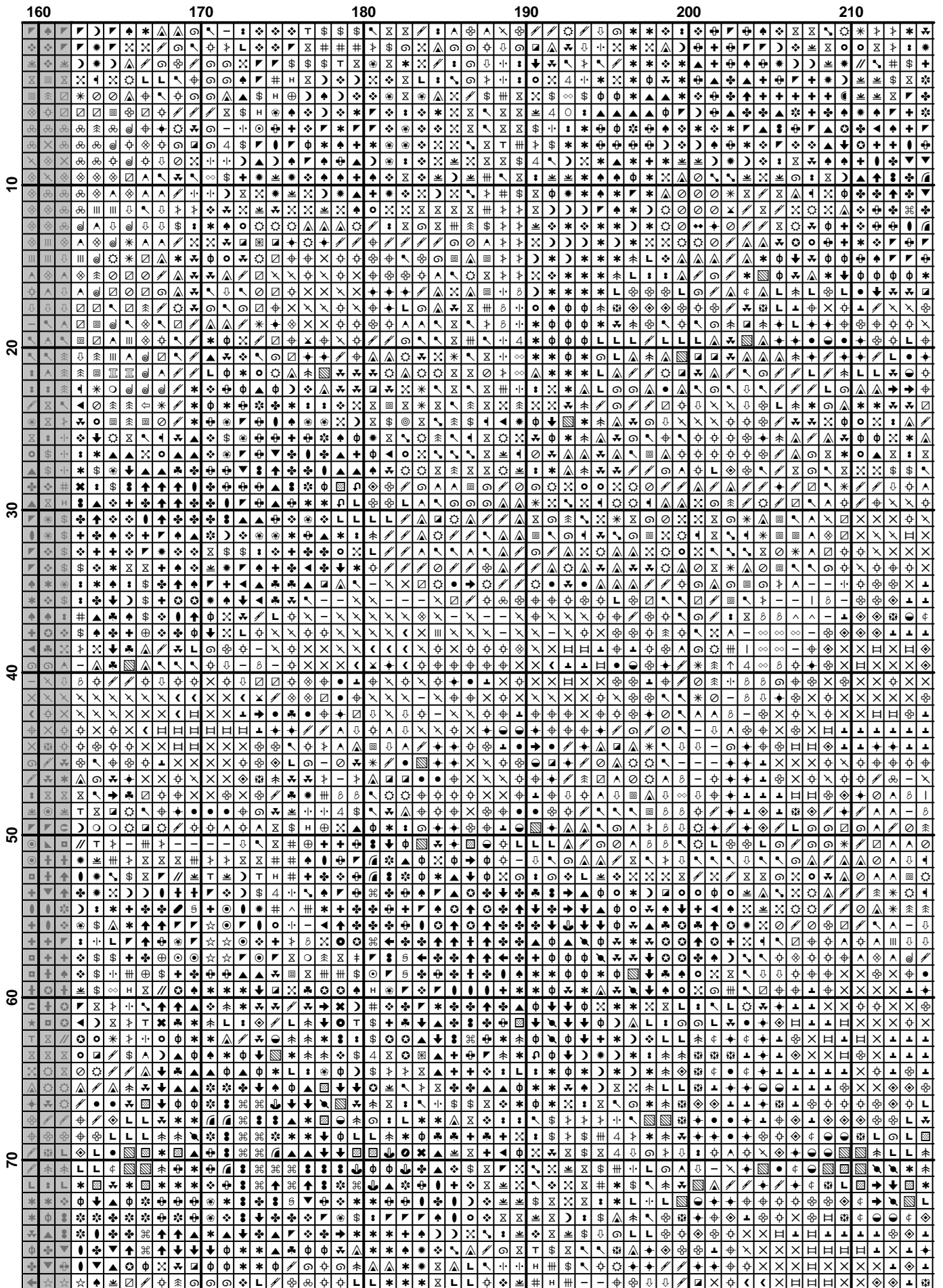
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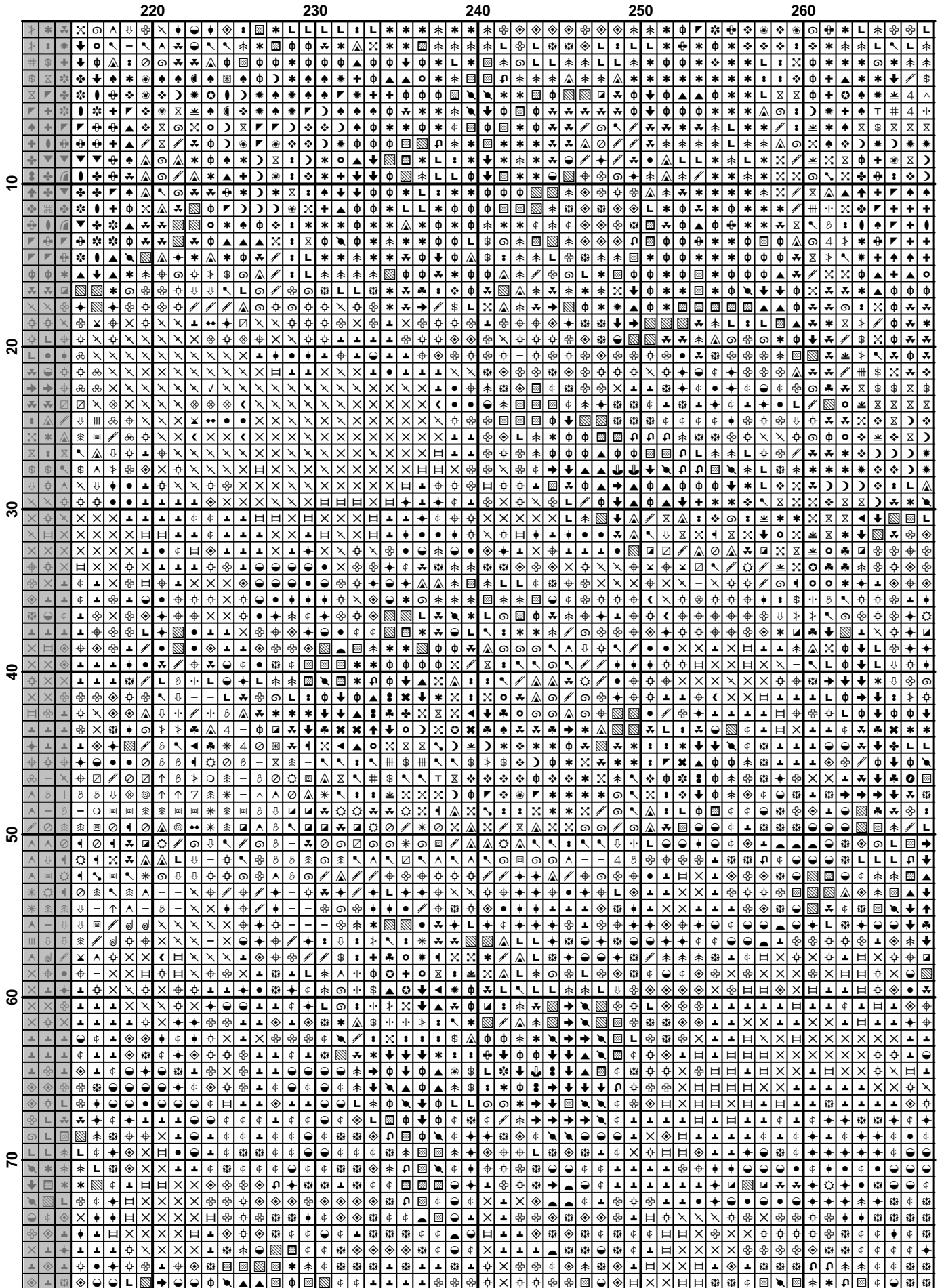
801	Coffee Brown-DK	264	104	247	97	231	91
827	Blue-VY LT	201	78	187	73	176	69
830	Golden Olive-DK	408	161	381	150	357	141
831	Golden Olive-MD	123	48	115	45	107	42
833	Golden Olive-LT	323	127	302	119	283	111
838	Beige Brown-VY DK	257	101	239	94	224	88
844	Beaver Brown-UL DK	4626	1821	4318	1700	4048	1594
869	Hazelnut Brown-VY DK	226	89	211	83	197	78
922	Copper-LT	426	167	397	156	372	146
926	Gray Green-MD	80	32	75	29	70	28
927	Gray Green-LT	80	32	75	29	70	28
928	Gray Green-VY LT	244	96	227	89	213	84
932	Antique Blue-LT	46	18	43	17	41	16
935	Avocado Green-DK	302	118	281	110	264	104
950	Desert Sand-LT	104	41	97	38	91	35
955	Nile Green-LT	249	98	233	91	218	86
975	Golden Brown-DK	150	59	140	55	131	51
976	Golden Brown-MD	42	16	39	15	37	14
977	Golden Brown-LT	793	312	740	291	694	273
3013	Khaki Green-LT	537	212	502	197	470	185
3021	Brown Gray -VY DK	1643	647	1534	604	1438	566
3022	Brown Gray -MD	408	160	380	149	357	140
3031	Mocha Brown-VY DK	834	328	778	306	730	287
3045	Yellow Beige-DK	968	381	904	355	847	333
3046	Yellow Beige-MD	300	118	280	110	263	103
3064	Desert Sand	1178	464	1100	433	1031	406
3078	Golden Yellow -VY LT	192	75	179	70	168	66
3347	Yellow Green-MD	79	31	74	29	69	27
3363	Pine Green-MD	636	250	593	233	556	219
3721	Shell Pink-DK	967	381	902	355	846	333
3722	Shell Pink-MD	62	24	58	22	54	21
3740	Antique Violet-DK	125	49	117	46	110	43
3756	Baby Blue-UL VY LT	47	18	44	17	41	16
3772	Desert Sand-VY DK	2073	816	1935	761	1814	714
3778	Terra Cotta-LT	696	274	650	256	609	240
3781	Mocha Brown-DK	1697	667	1583	623	1484	584
3787	Brown Gray -DK	2737	1077	2555	1006	2395	943
3790	Beige Gray-UL DK	2223	875	2075	817	1945	766
3799	Pewter Gray -VY DK	3137	1234	2927	1152	2744	1080
3802	Antique Mauve-VY DK	606	238	565	222	530	208
3823	Yellow -UL Pale	393	154	367	144	344	135
3825	Pumpkin-Pale	676	266	631	248	591	232
3826	Golden Brown	236	93	220	86	206	81
3827	Golden Brown-Pale	941	370	878	345	823	323
3828	Hazelnut Brown	728	286	679	267	637	250
3829	Old Gold-VY DK	53	21	49	19	46	18
3855	Autumn Gold-LT	586	230	547	215	512	201
3856	Mahogany-UL VY LT	725	285	676	266	634	249
3857	Rosewood-DK	32	12	30	11	28	11
3860	Cocoa	1690	665	1577	621	1479	582
3861	Cocoa-LT	721	284	673	265	631	248
3864	Mocha Beige-LT	360	141	336	132	315	124
3866	Mocha Brown-UL VY LT	212	83	198	77	186	73
Ecru	Ecru	139	55	130	51	122	48

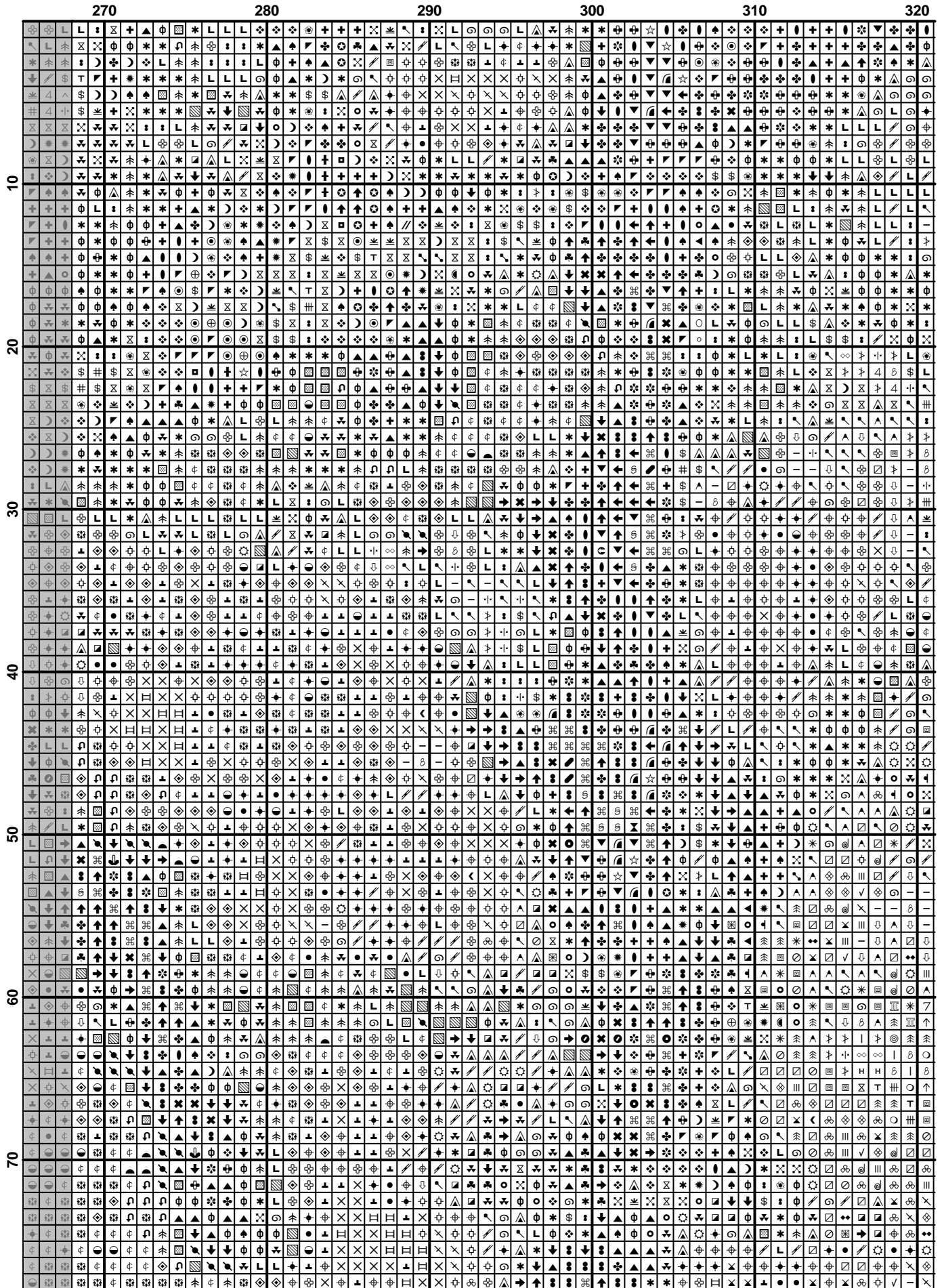


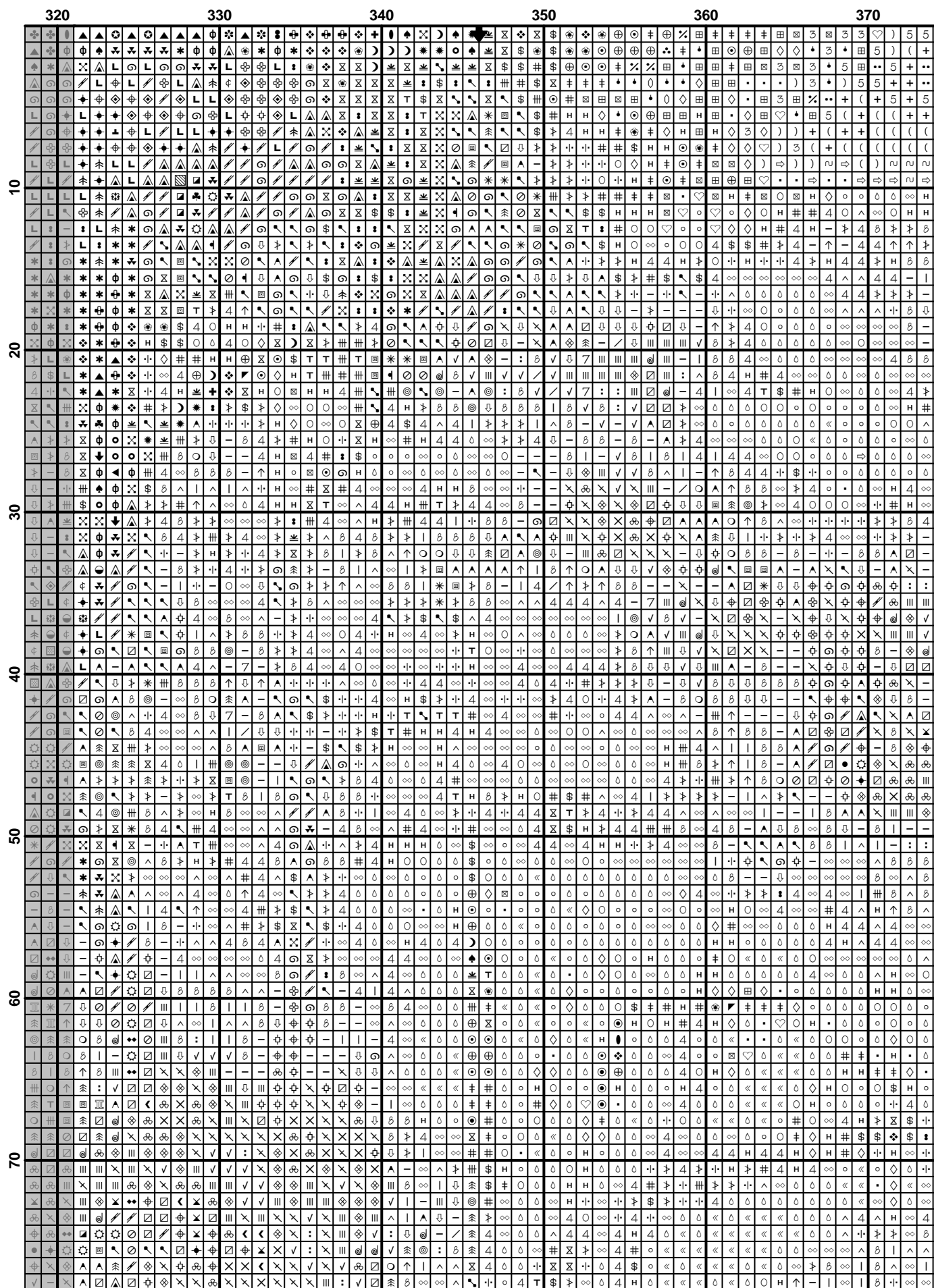












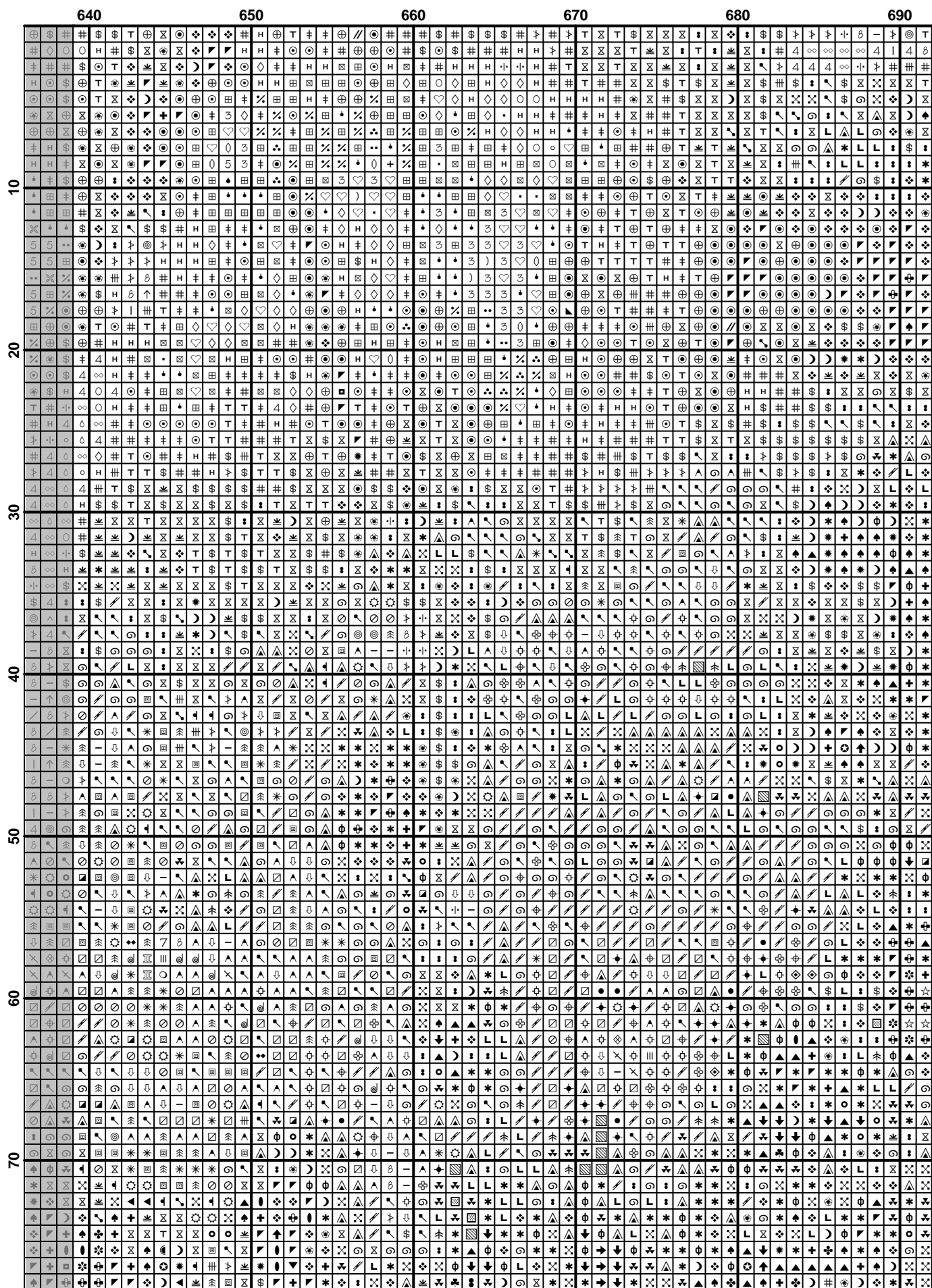
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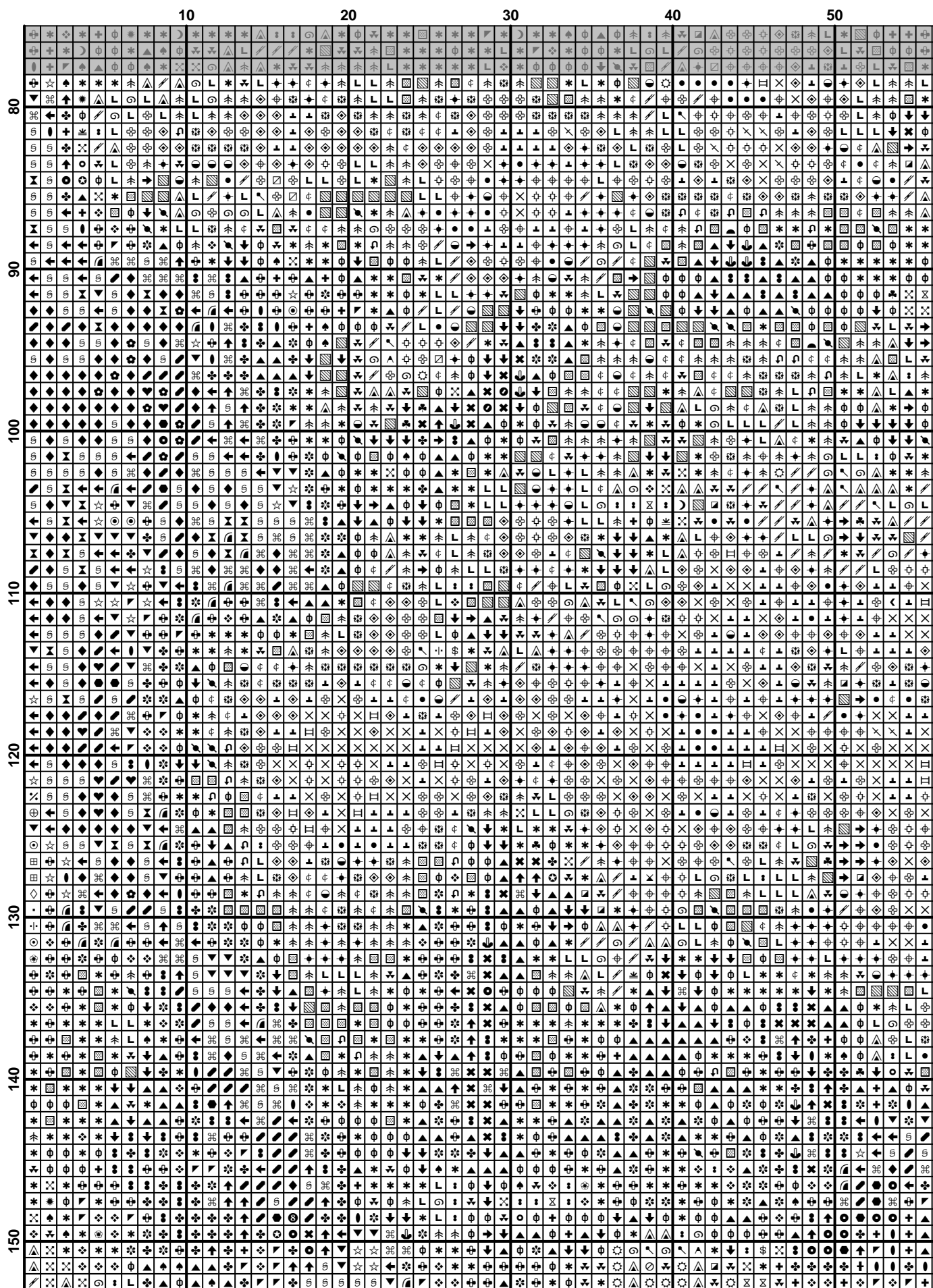
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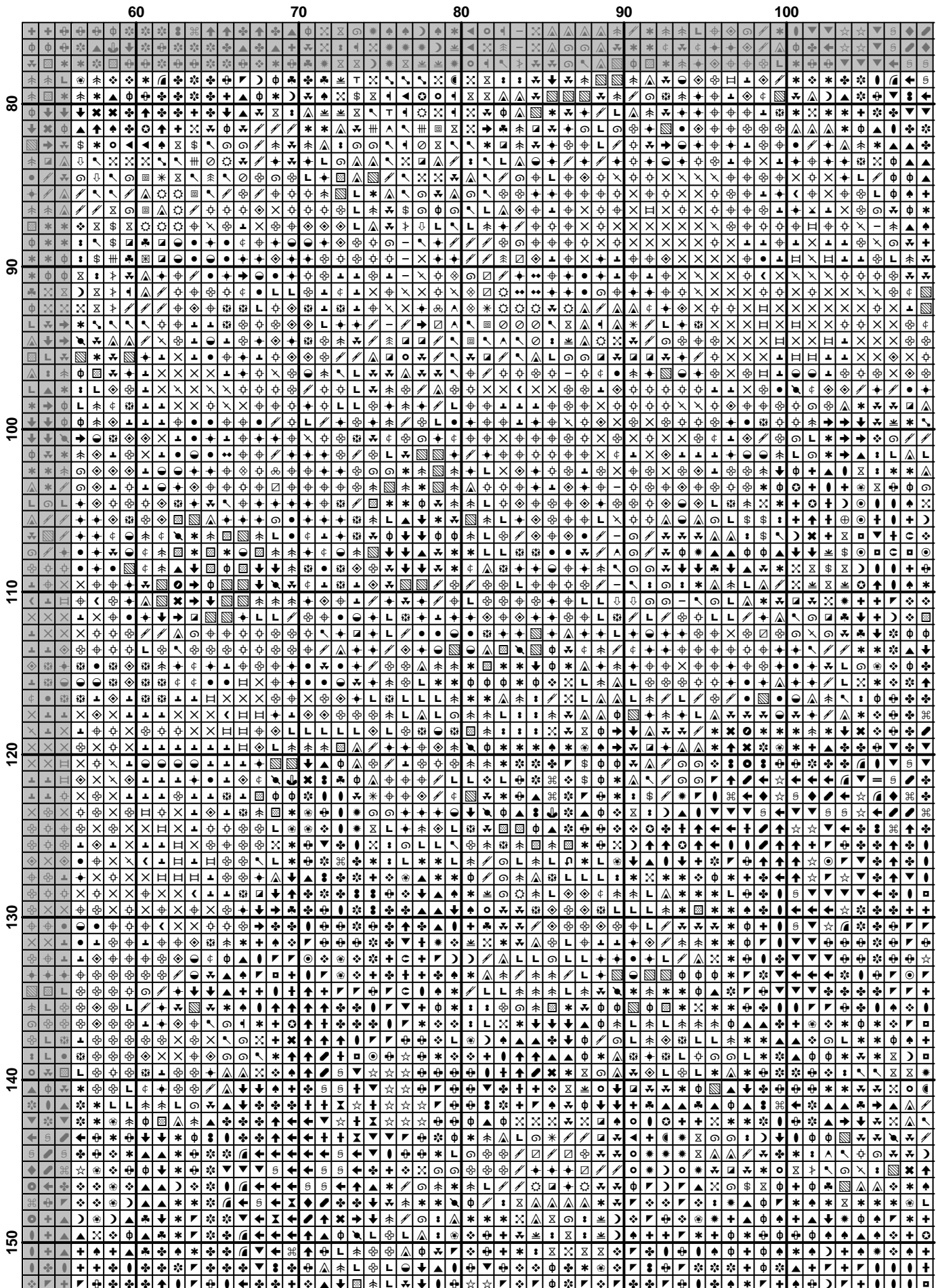
$$(23) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (24)$$

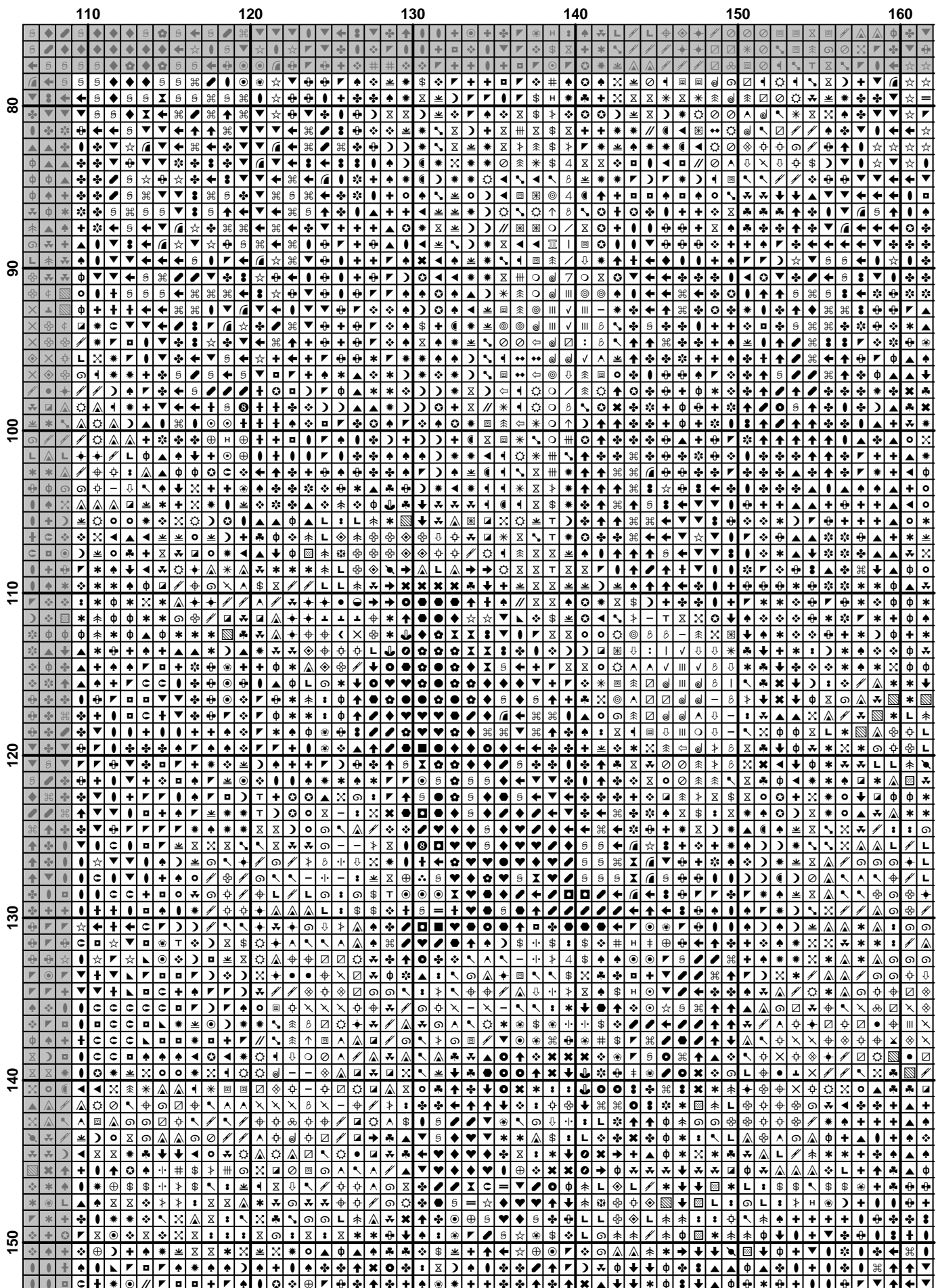
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10						
20						
30						
40						
50						
60						
70						

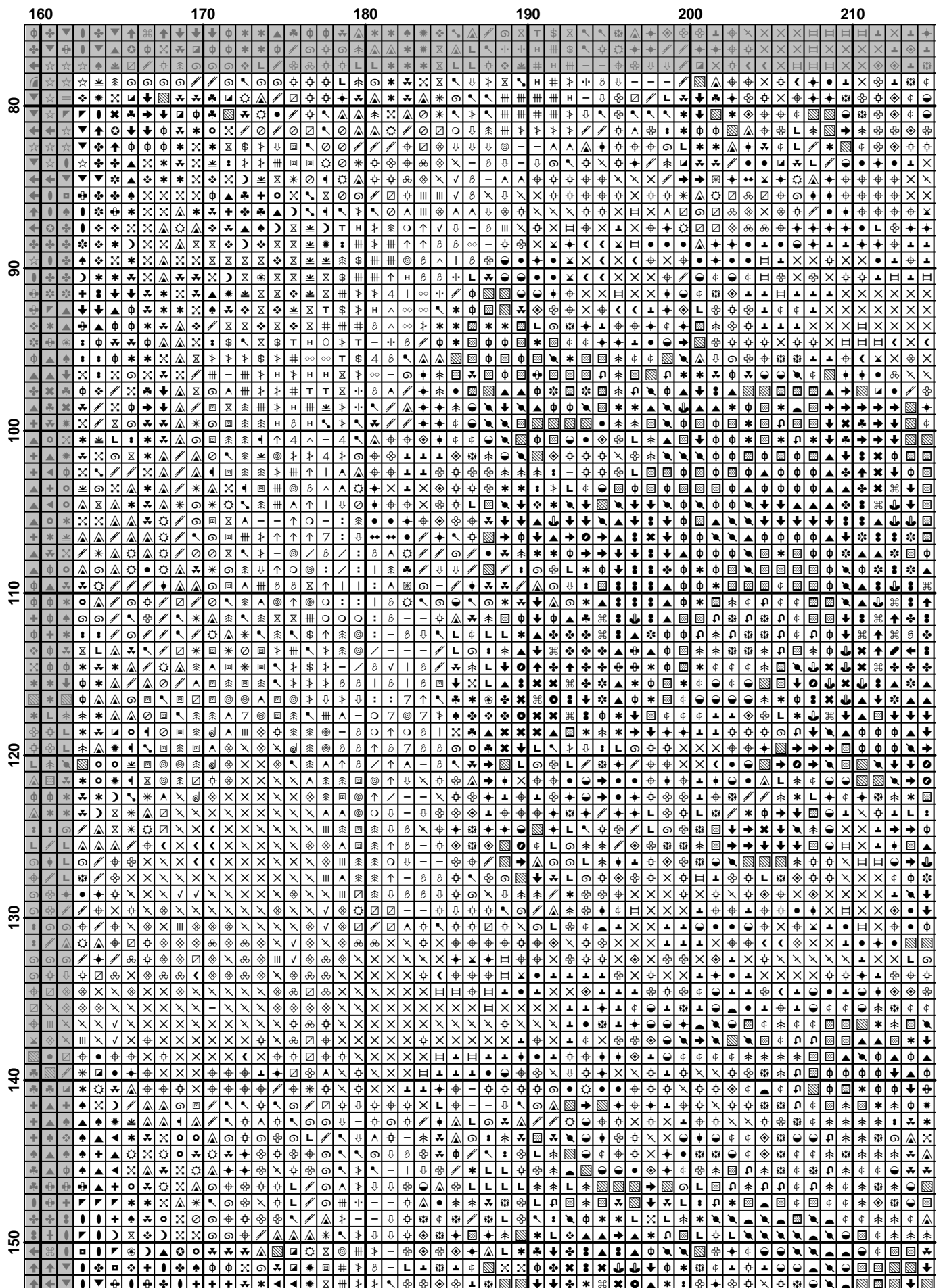
	590	600	610	620	630
10
20
30
40
50
60
70

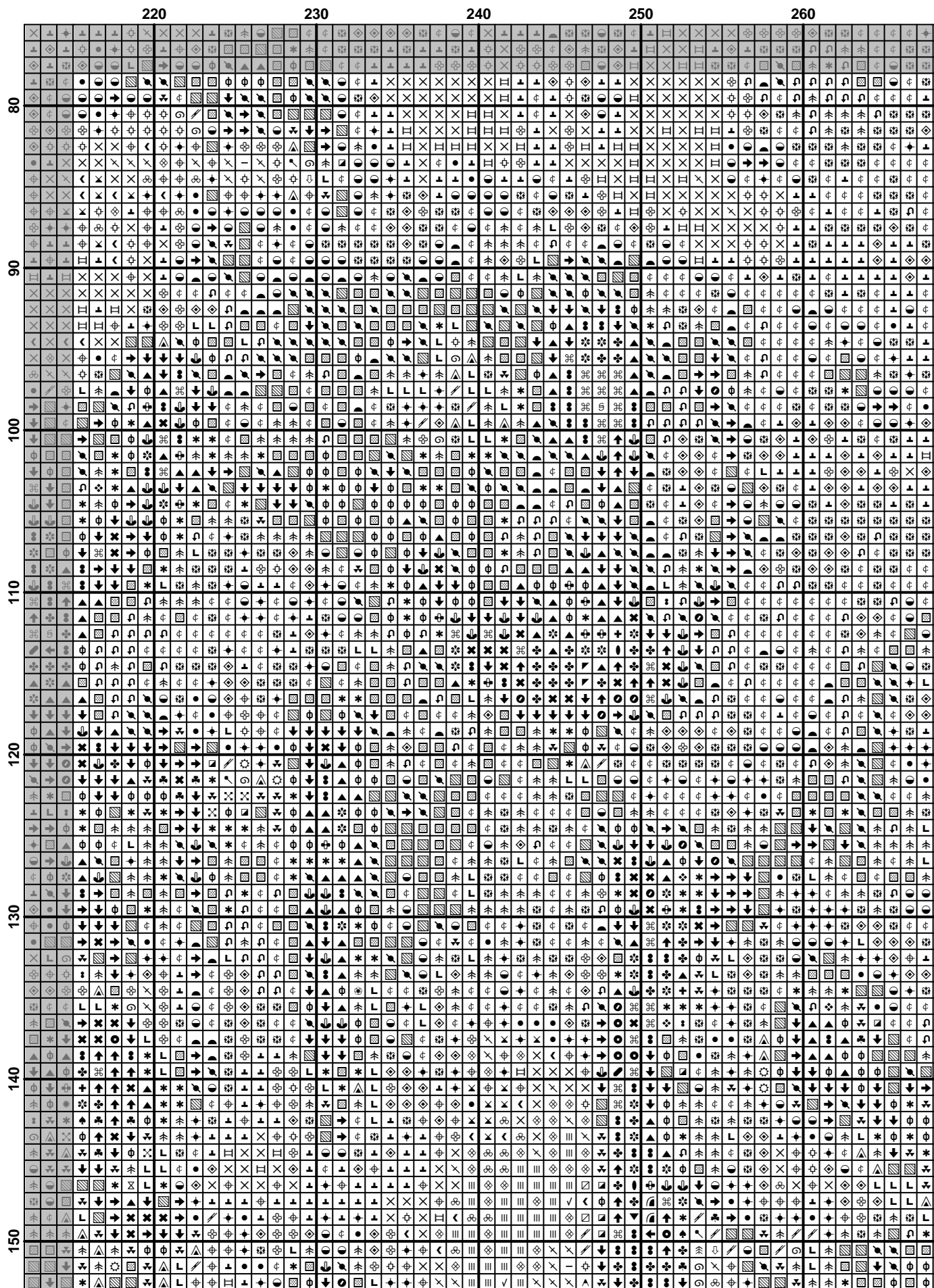


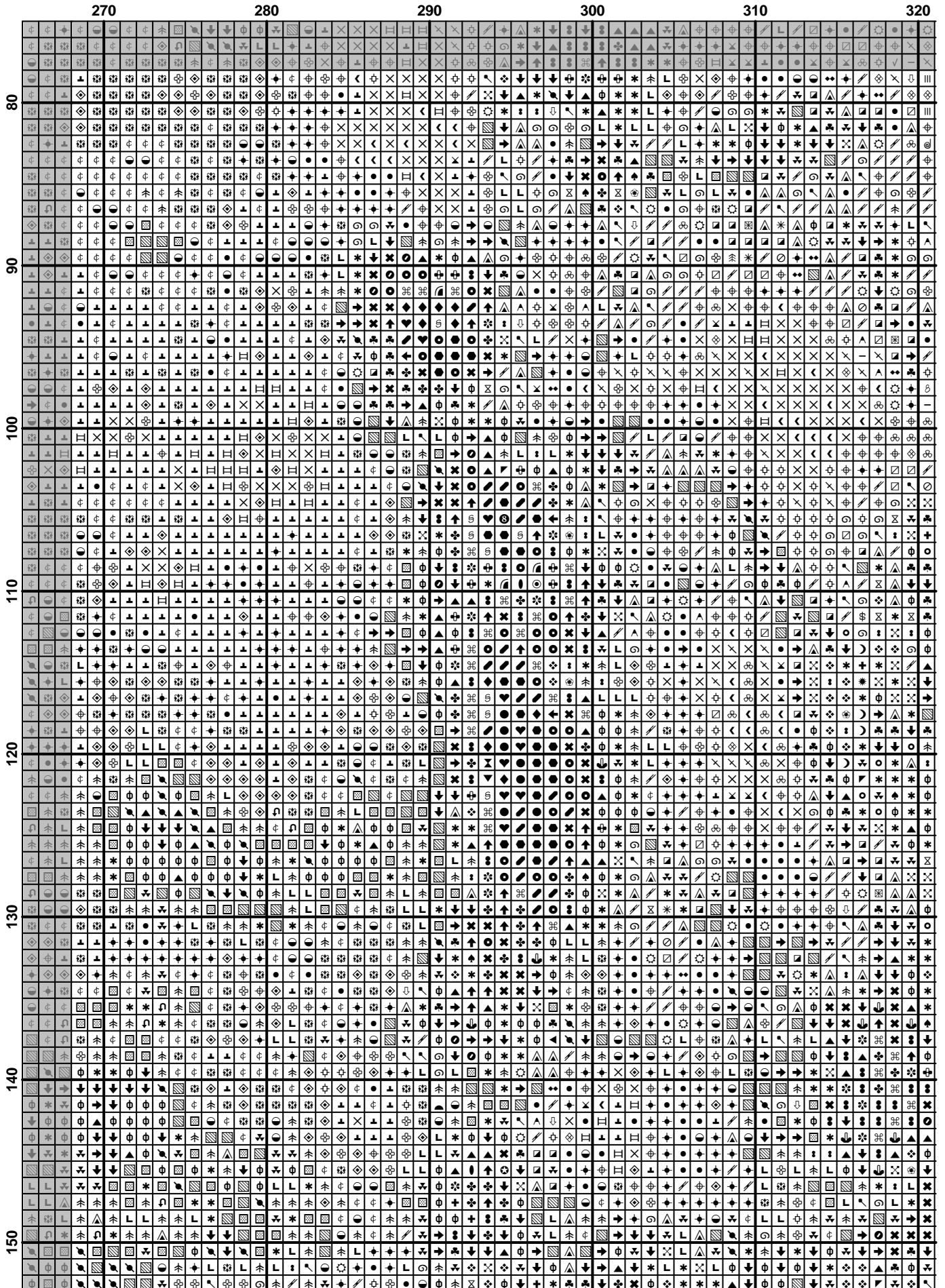


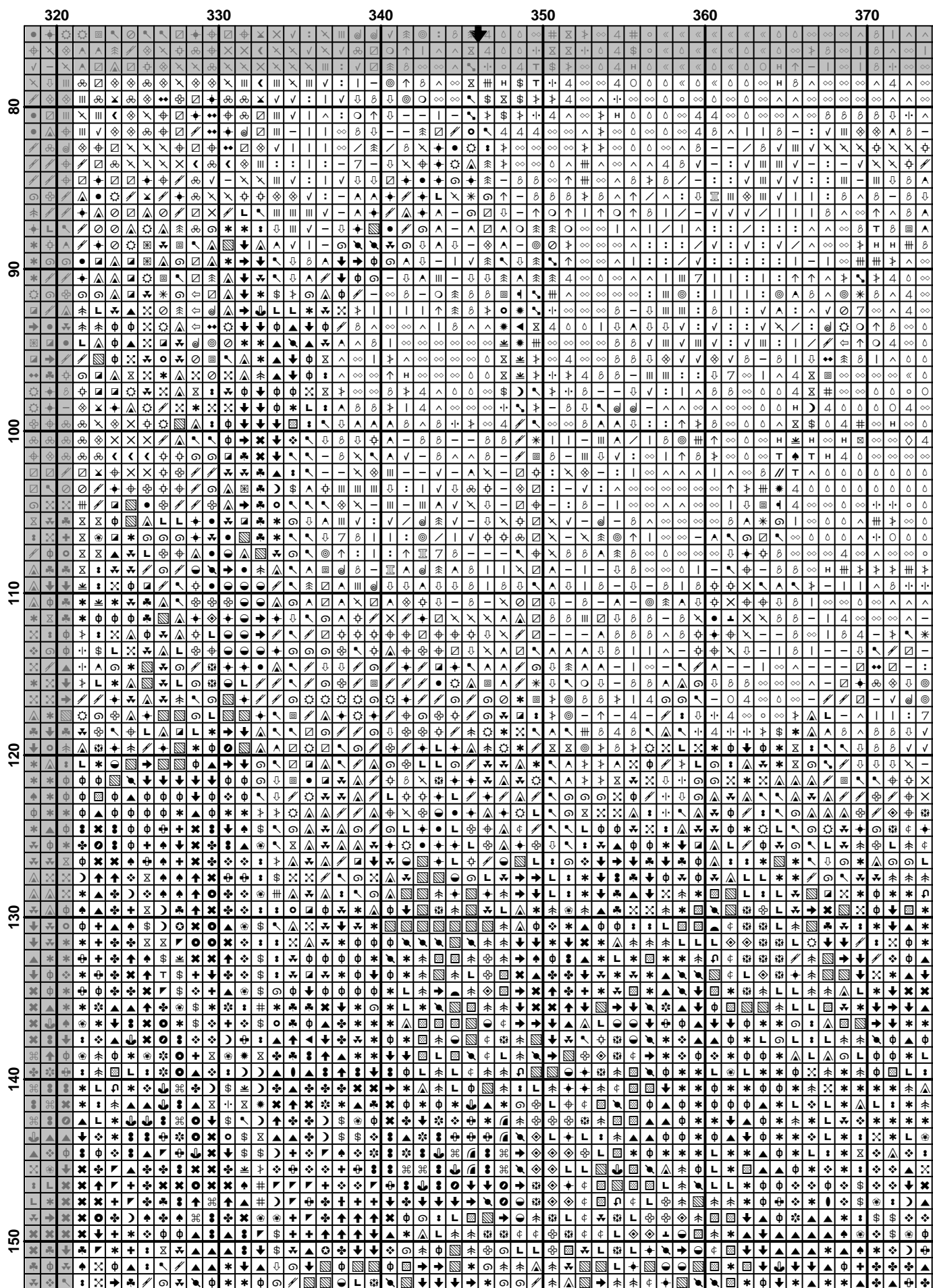


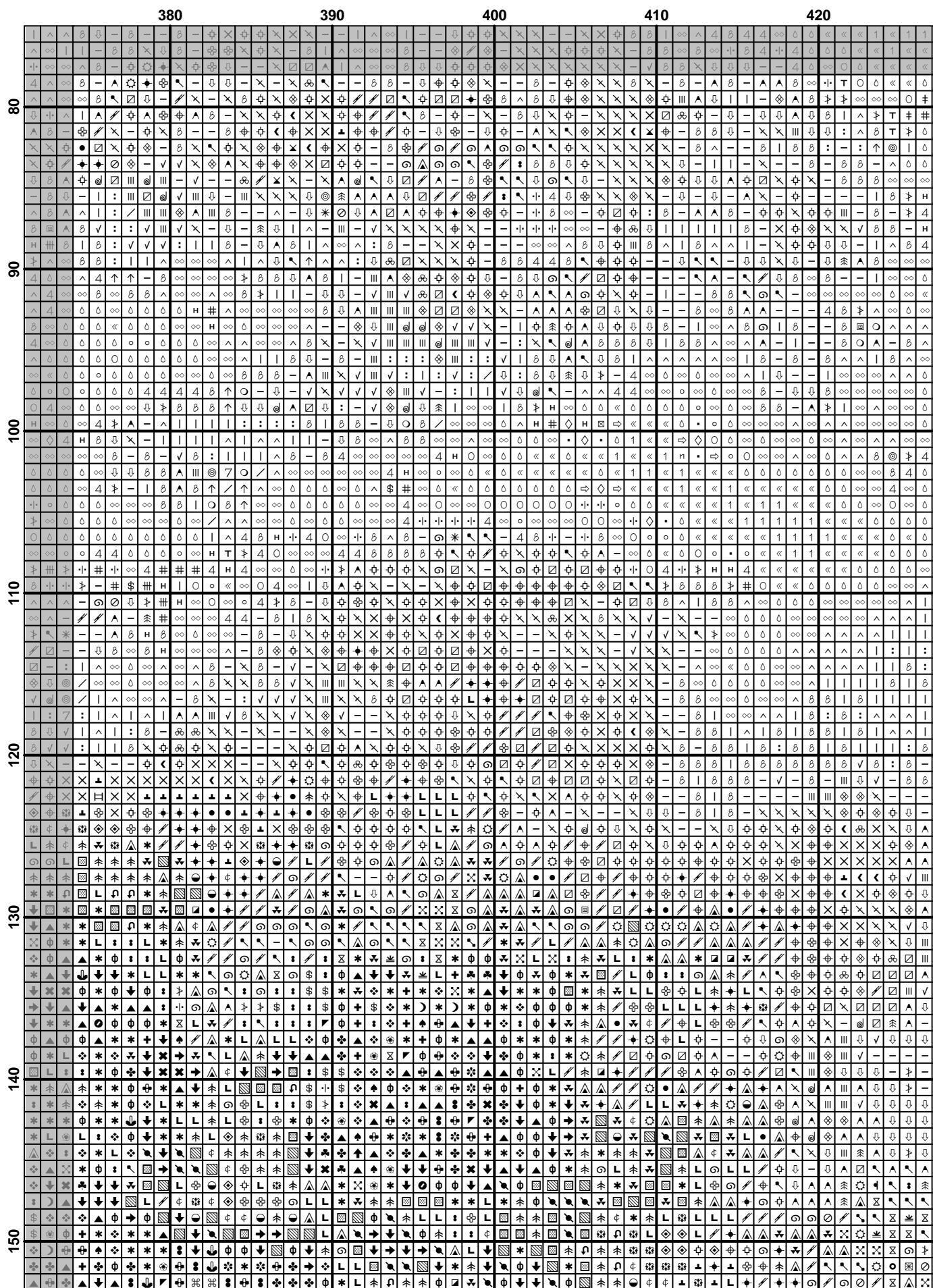








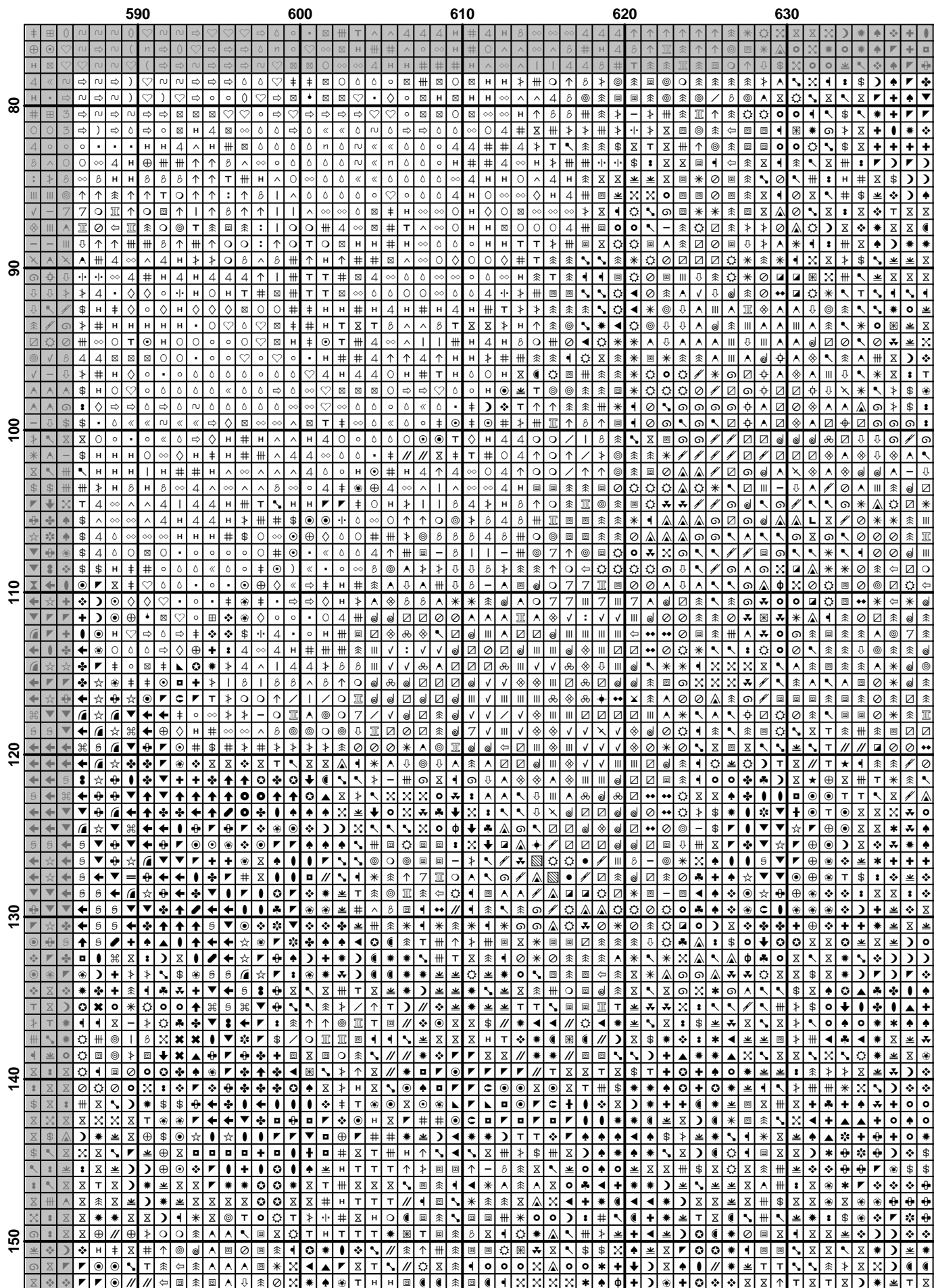


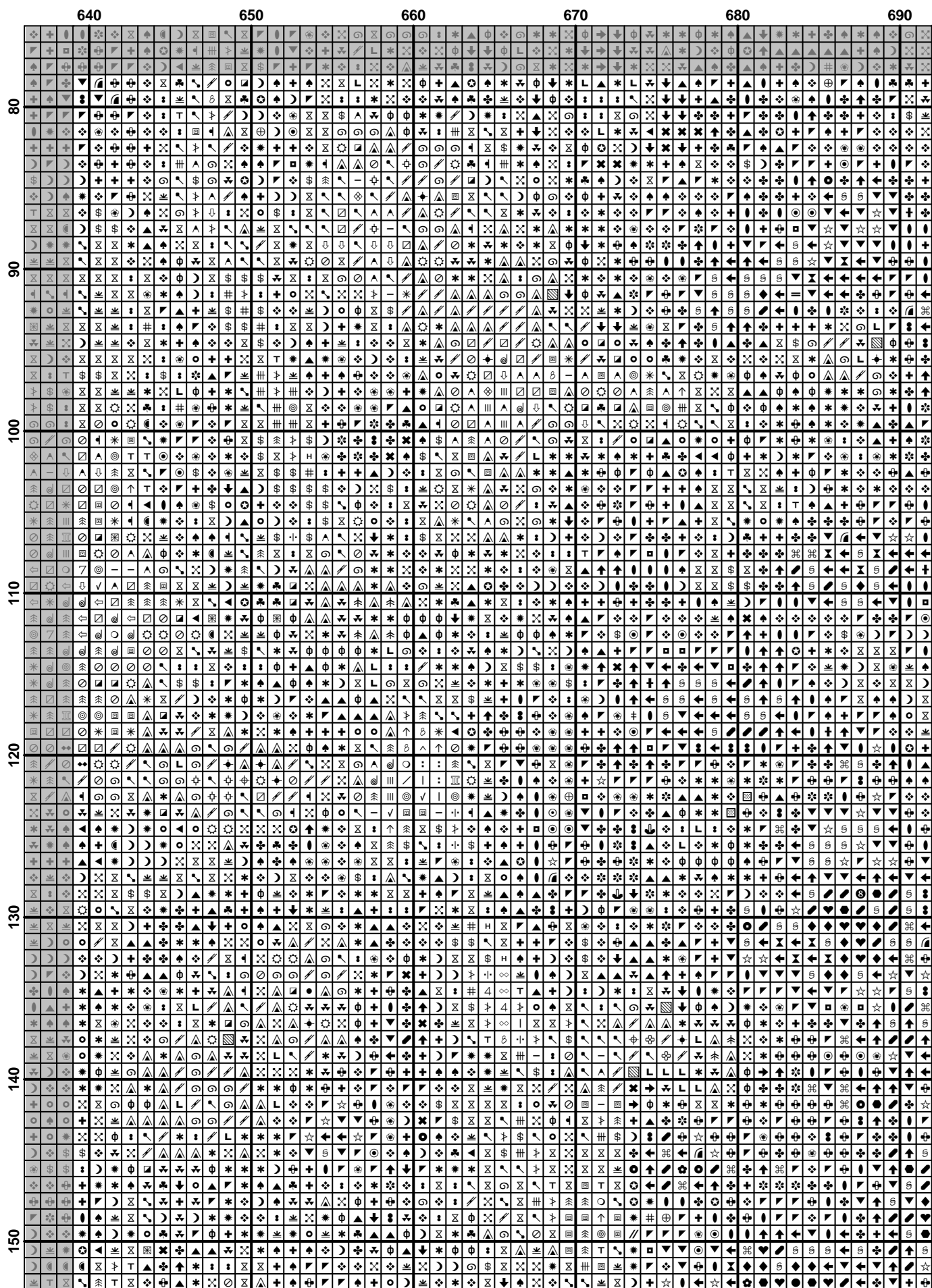


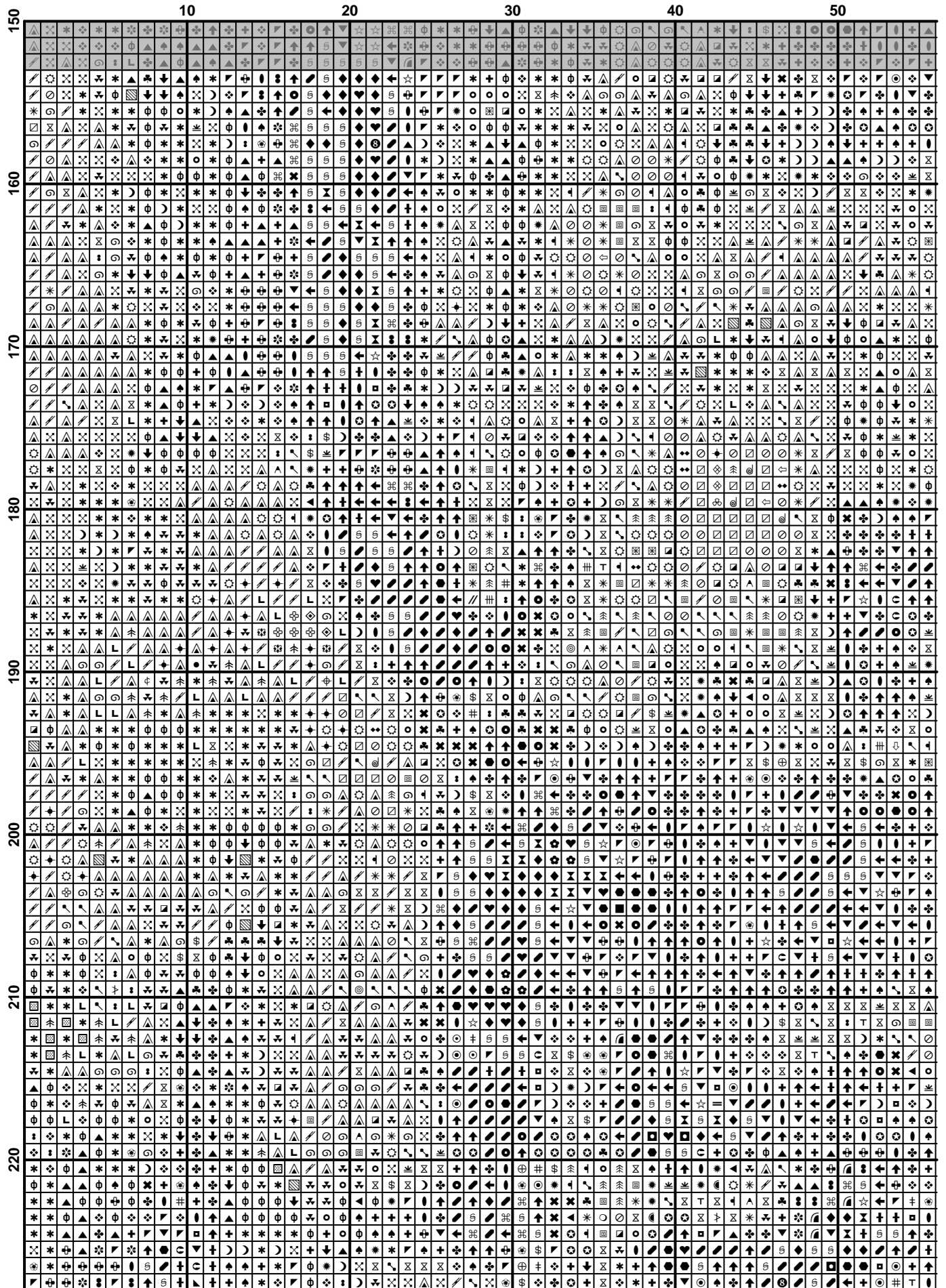
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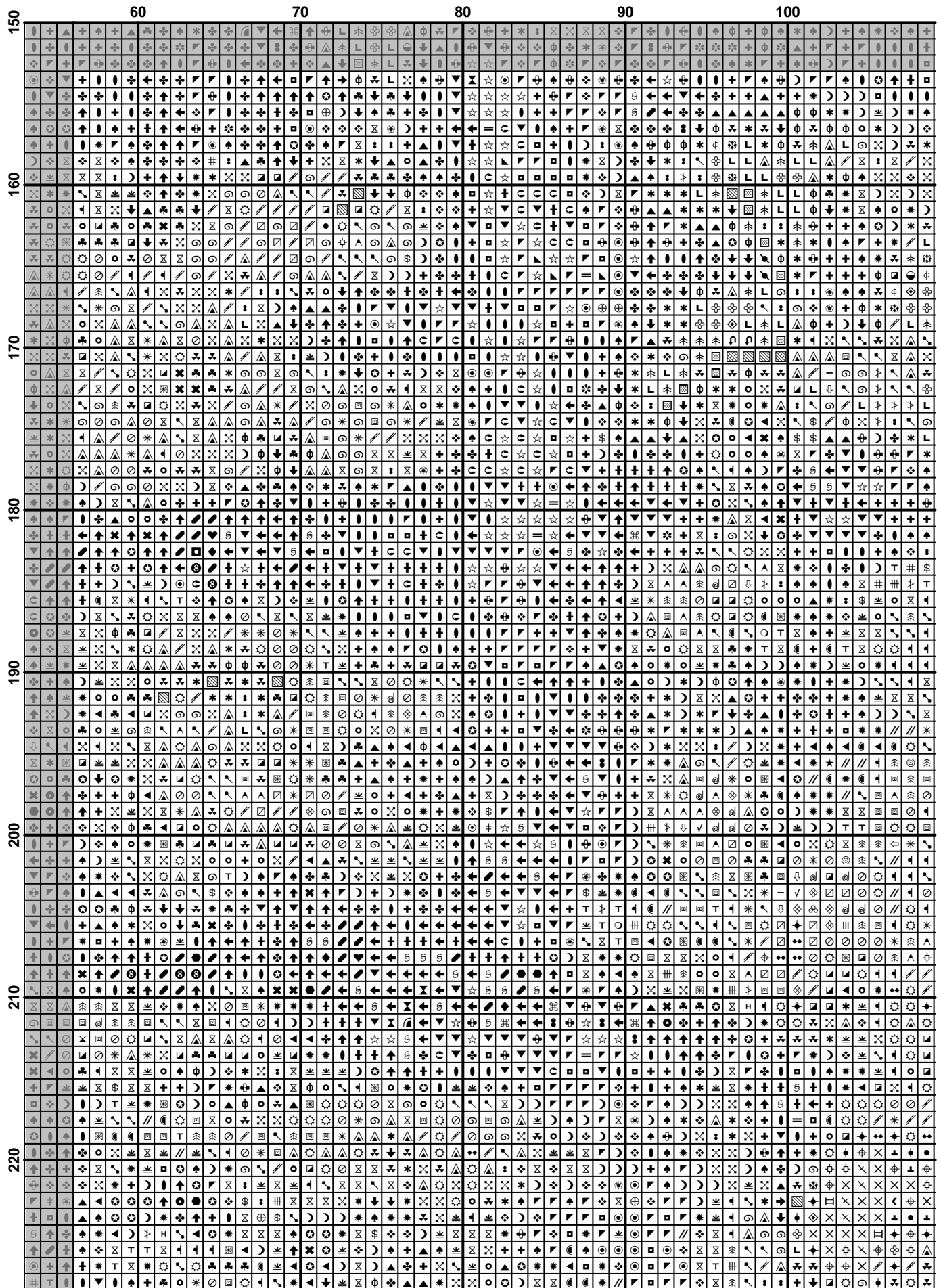
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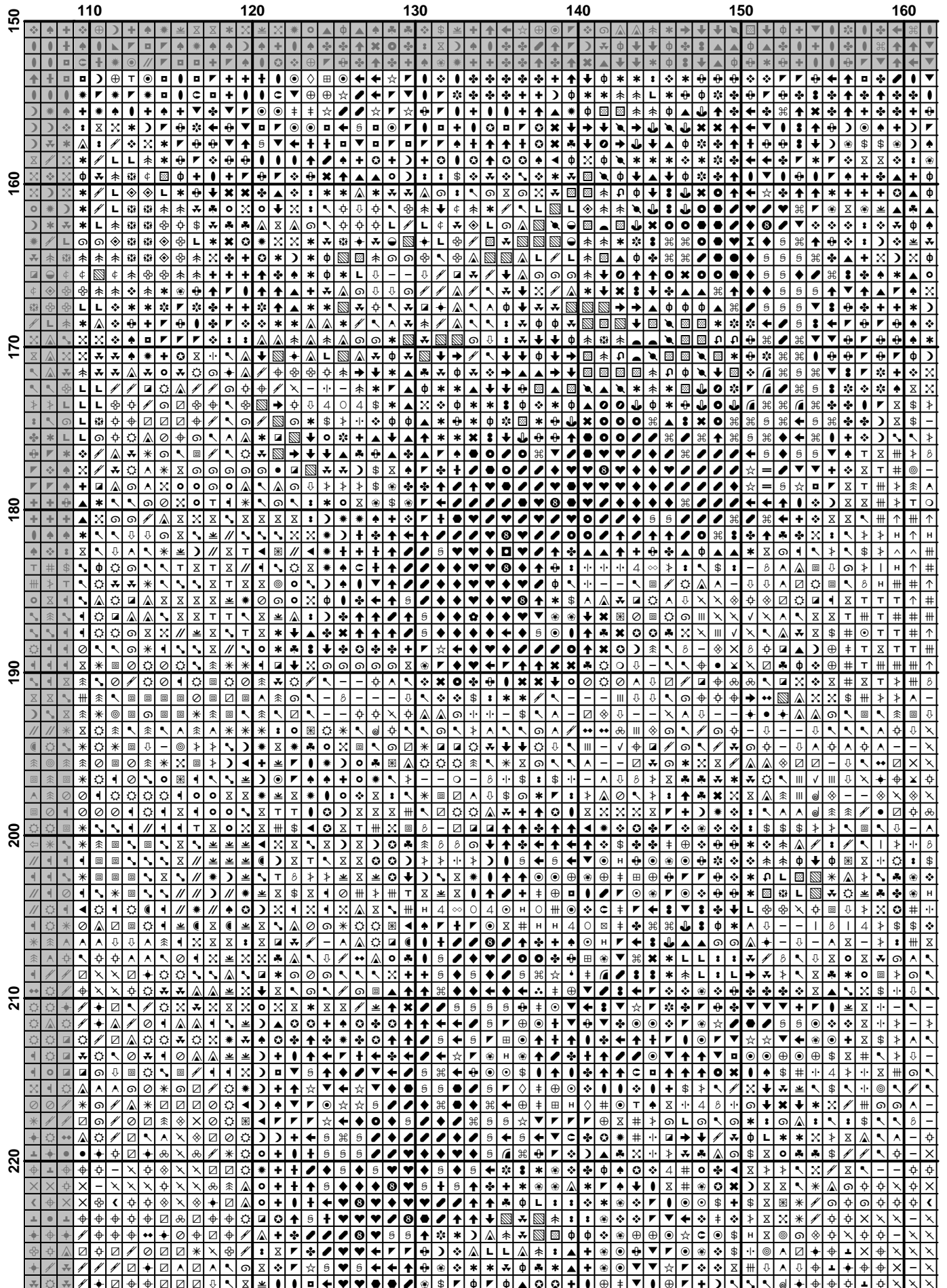
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100
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120
130
140
150

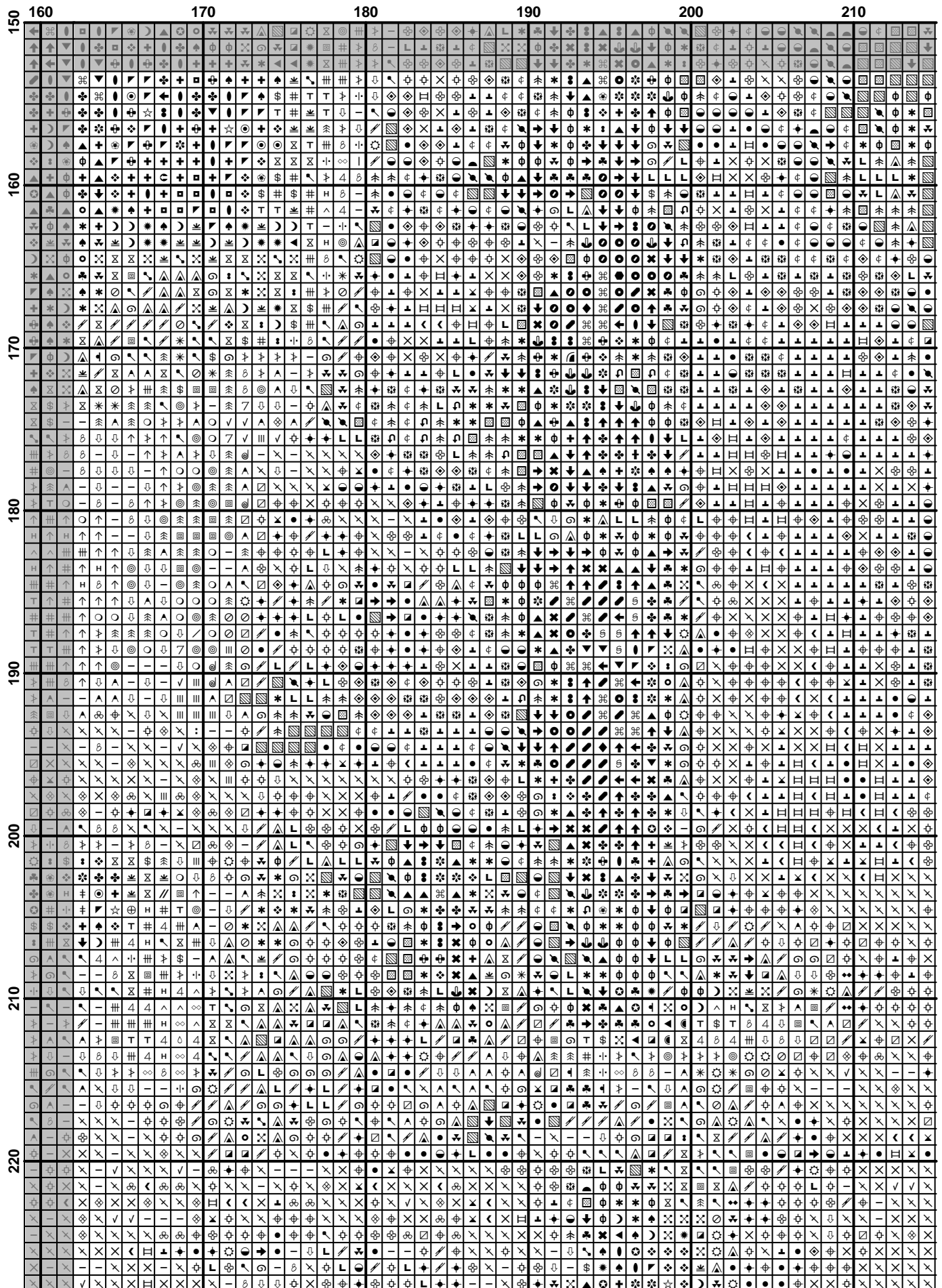


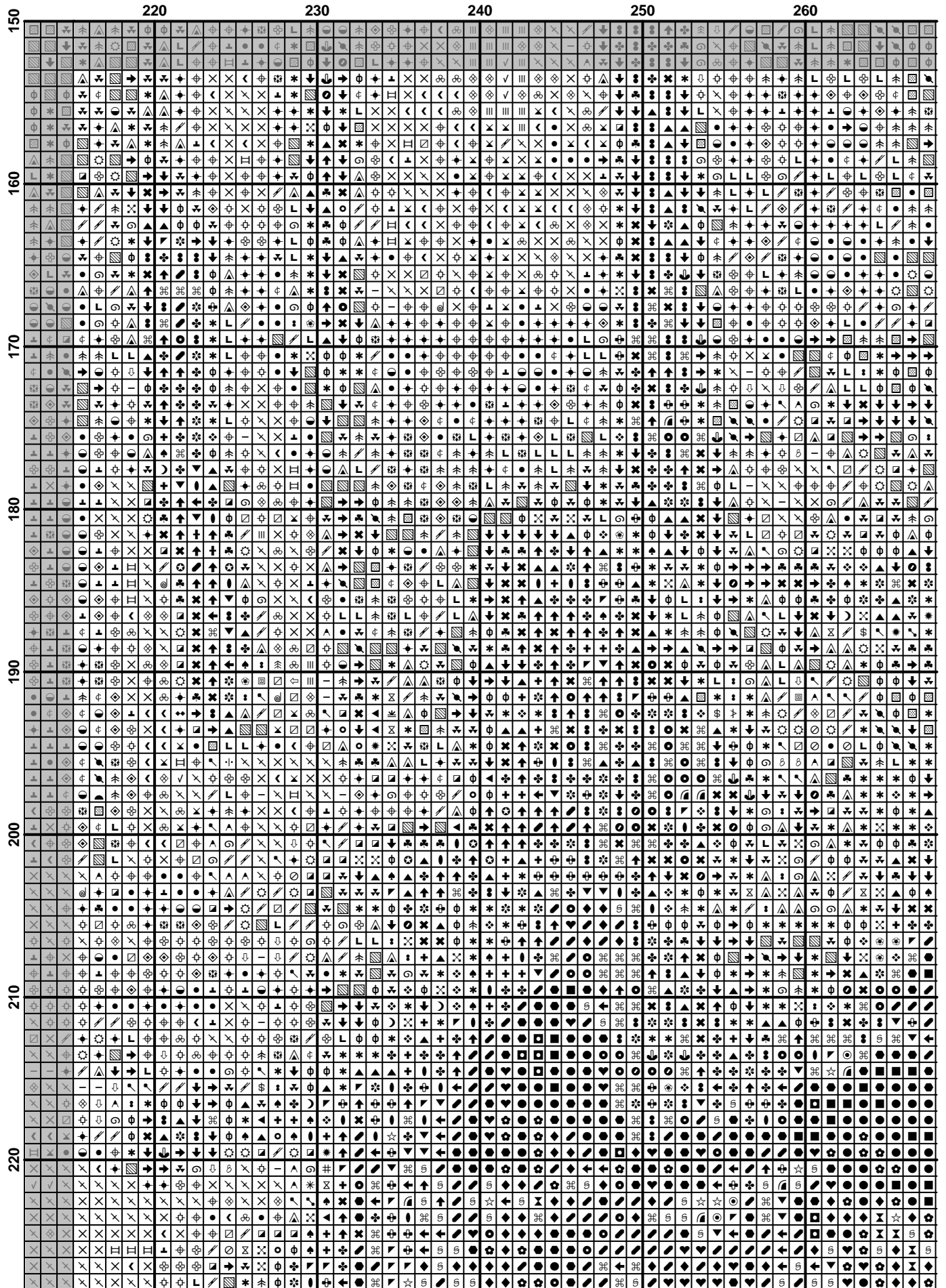


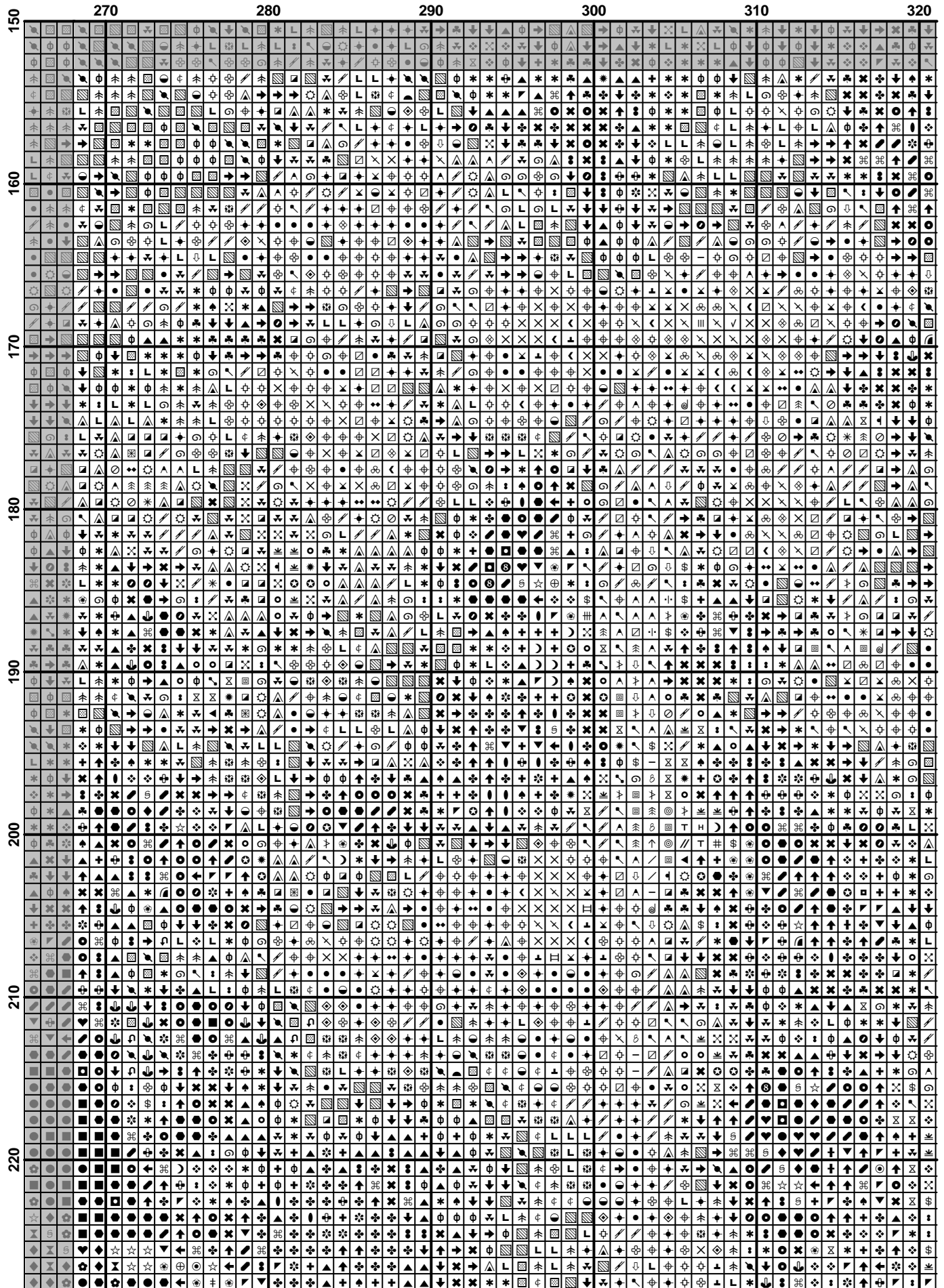


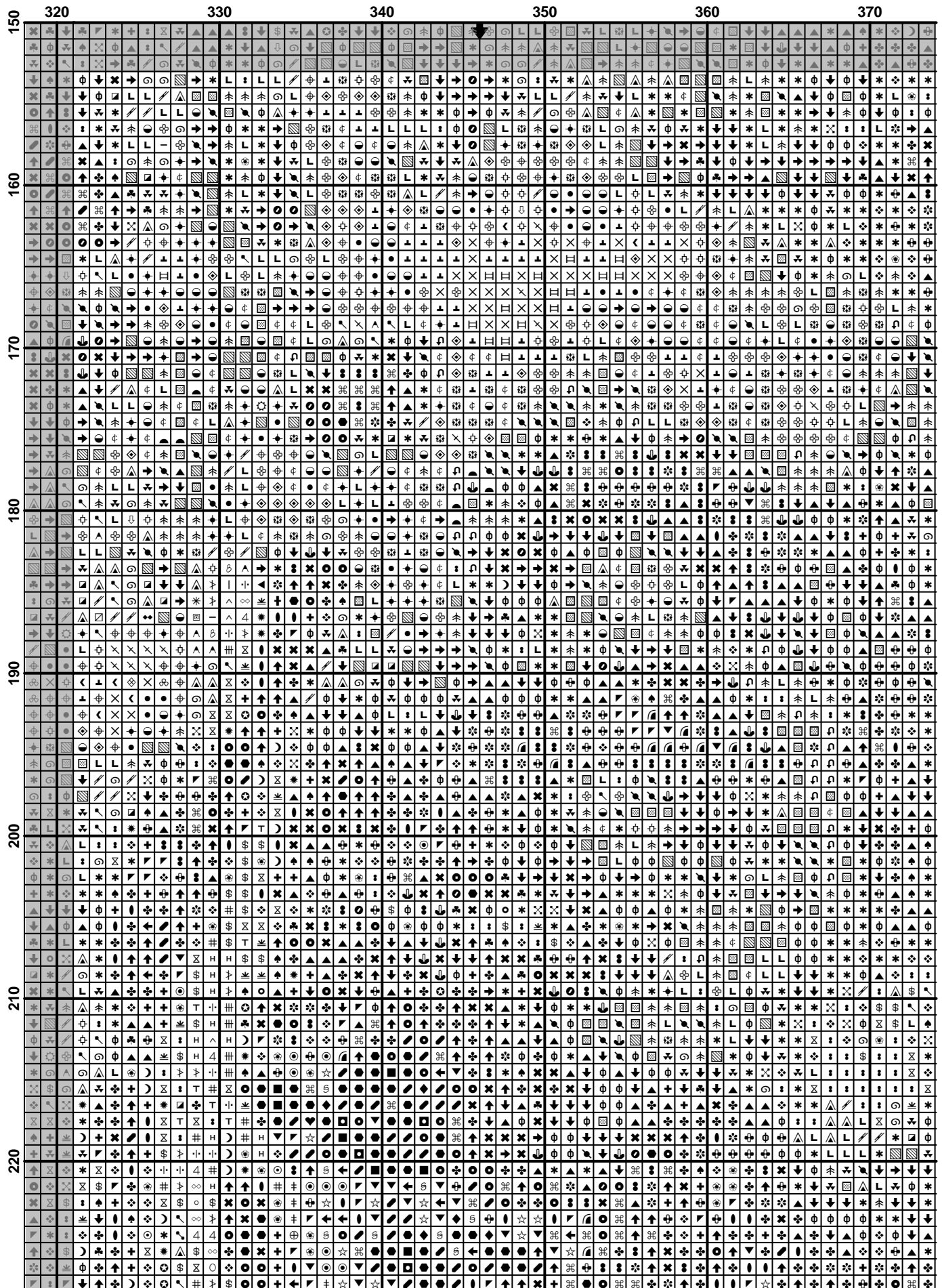


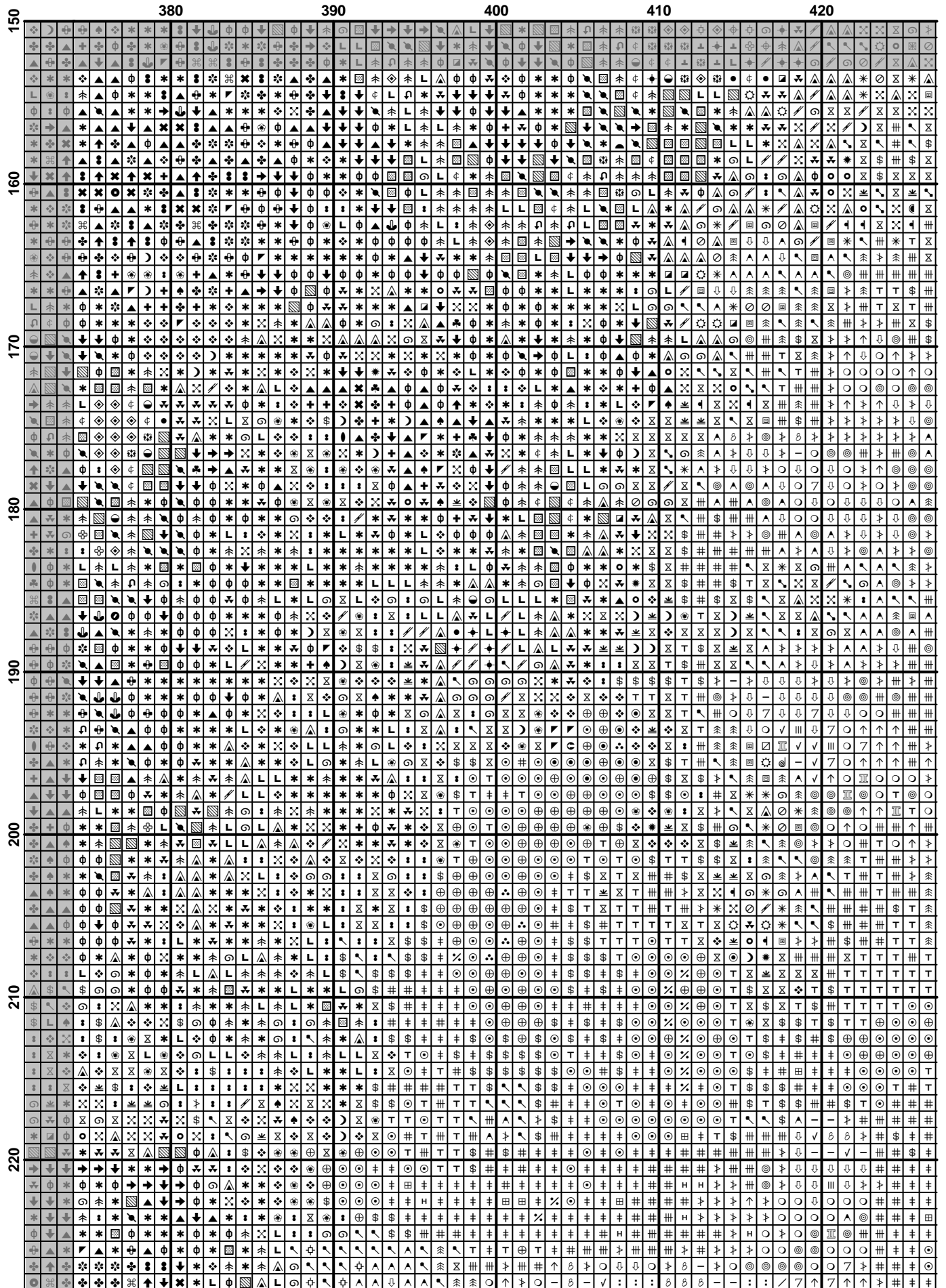


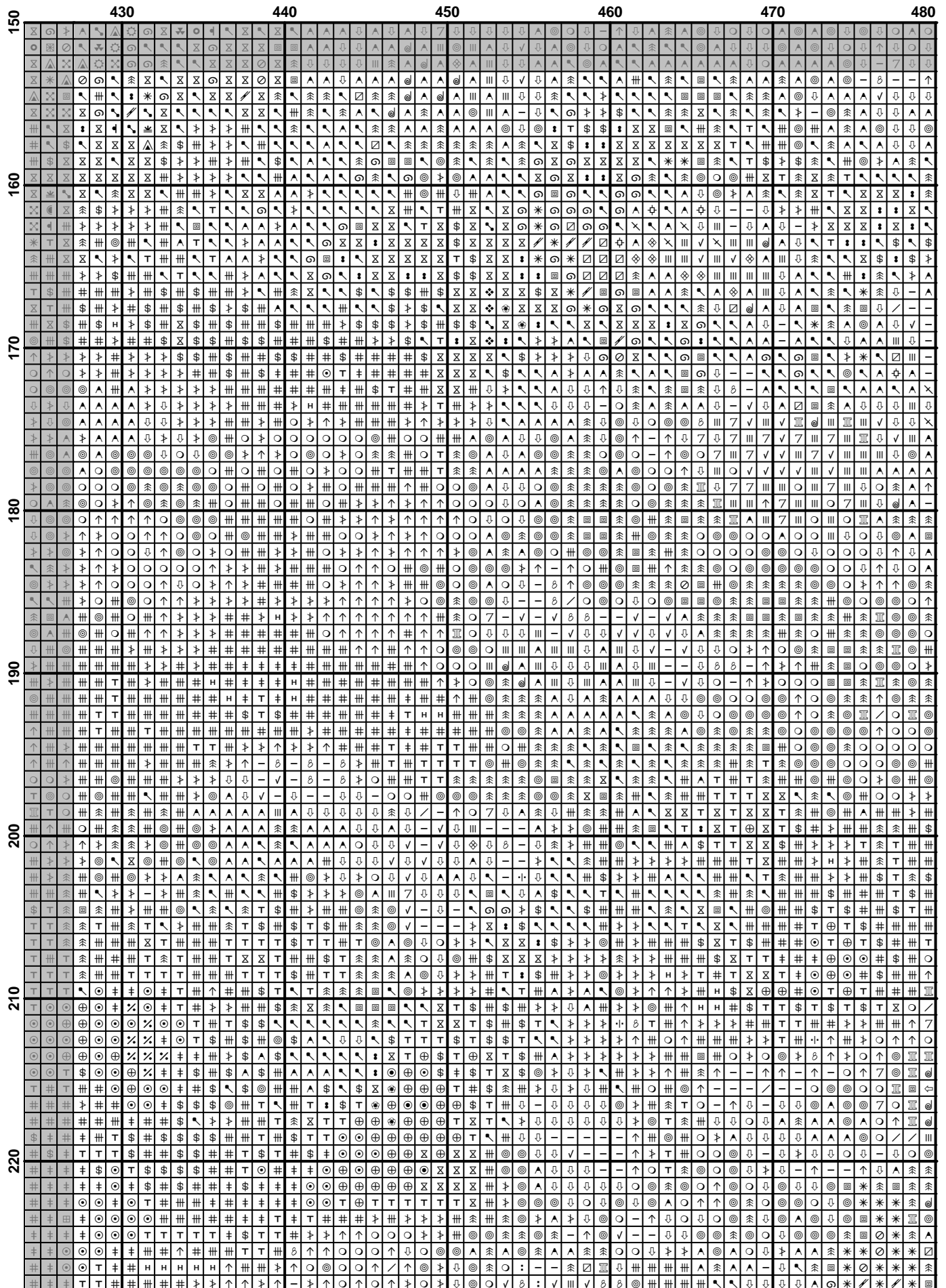


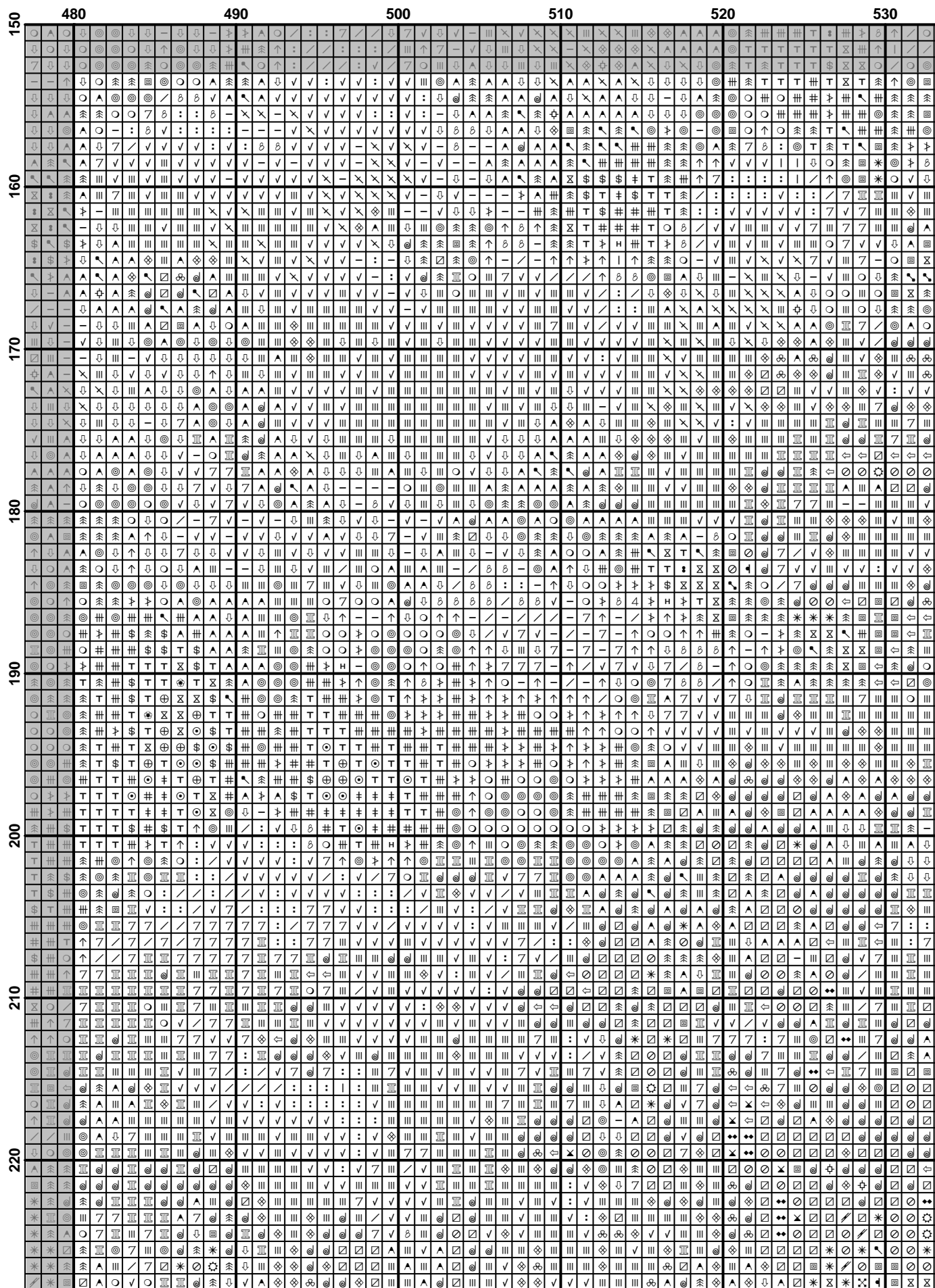


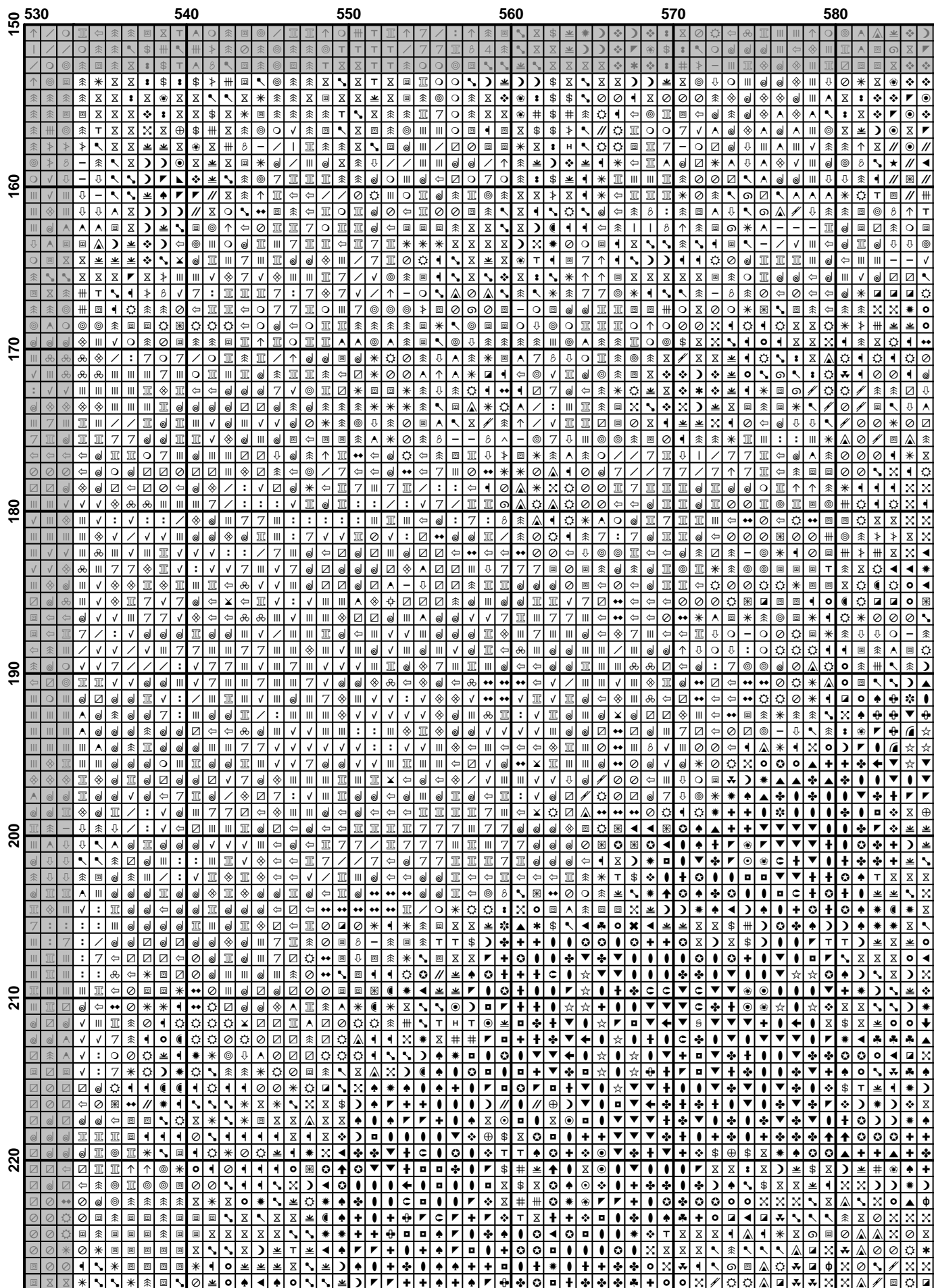




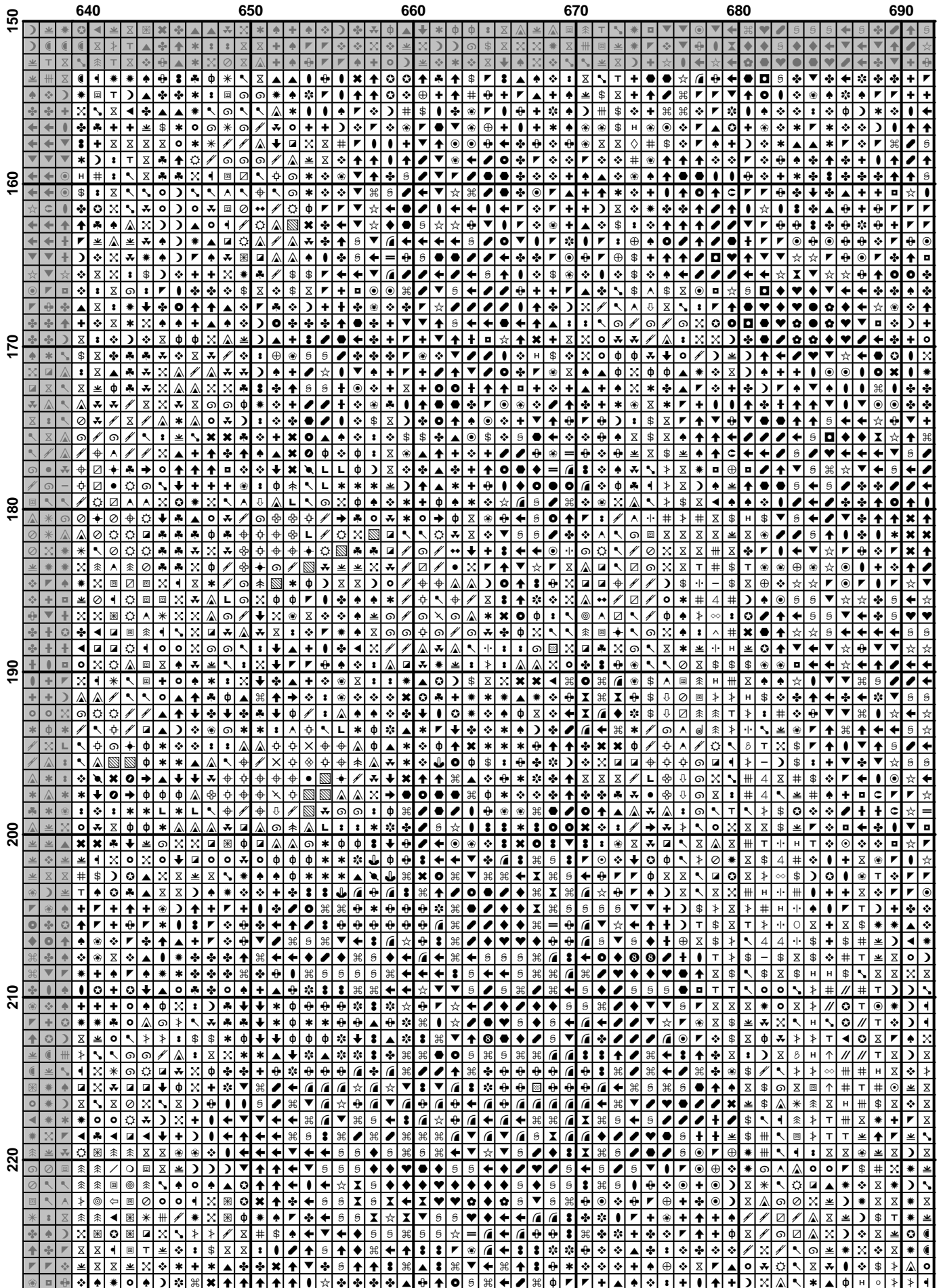


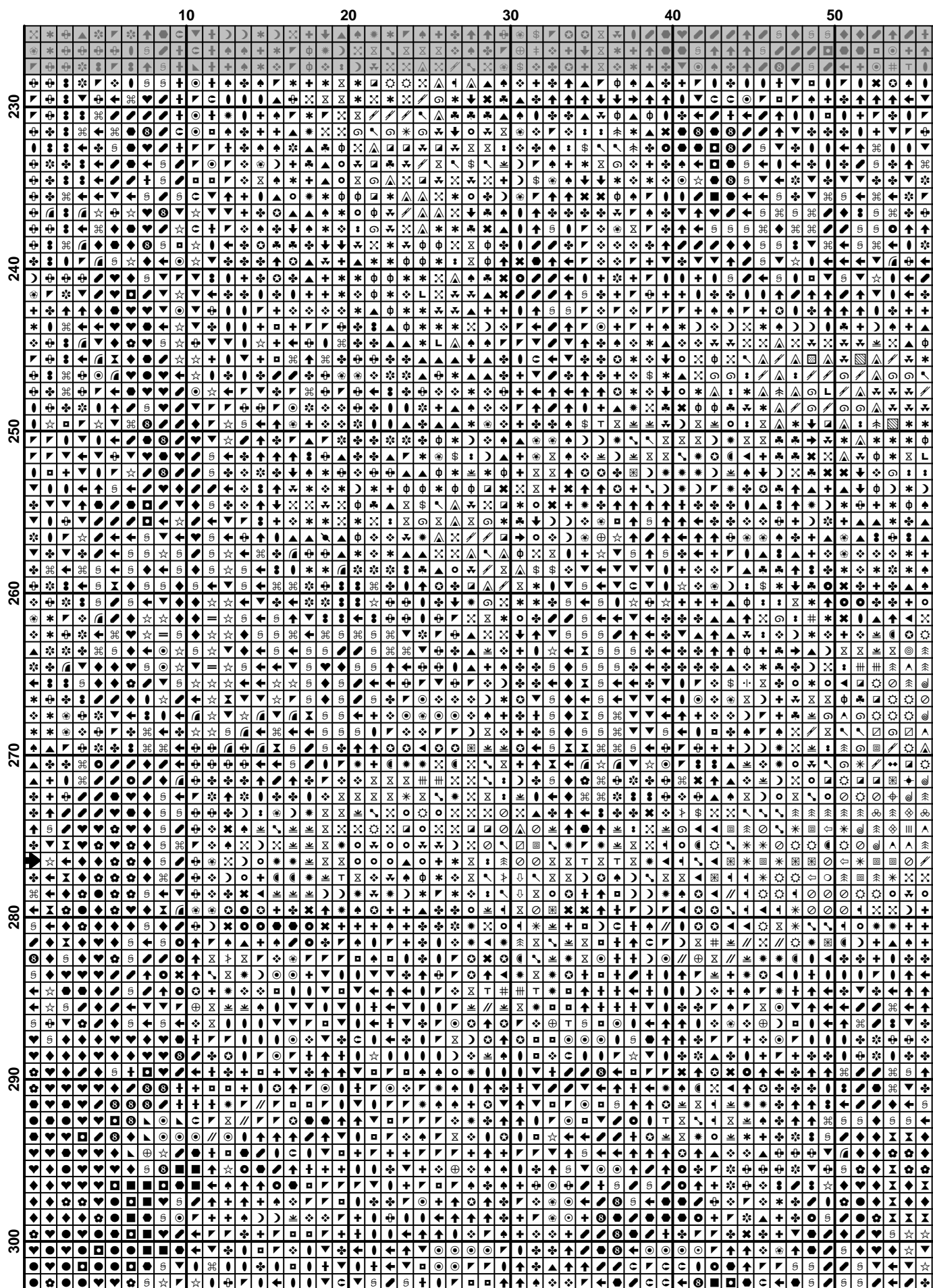


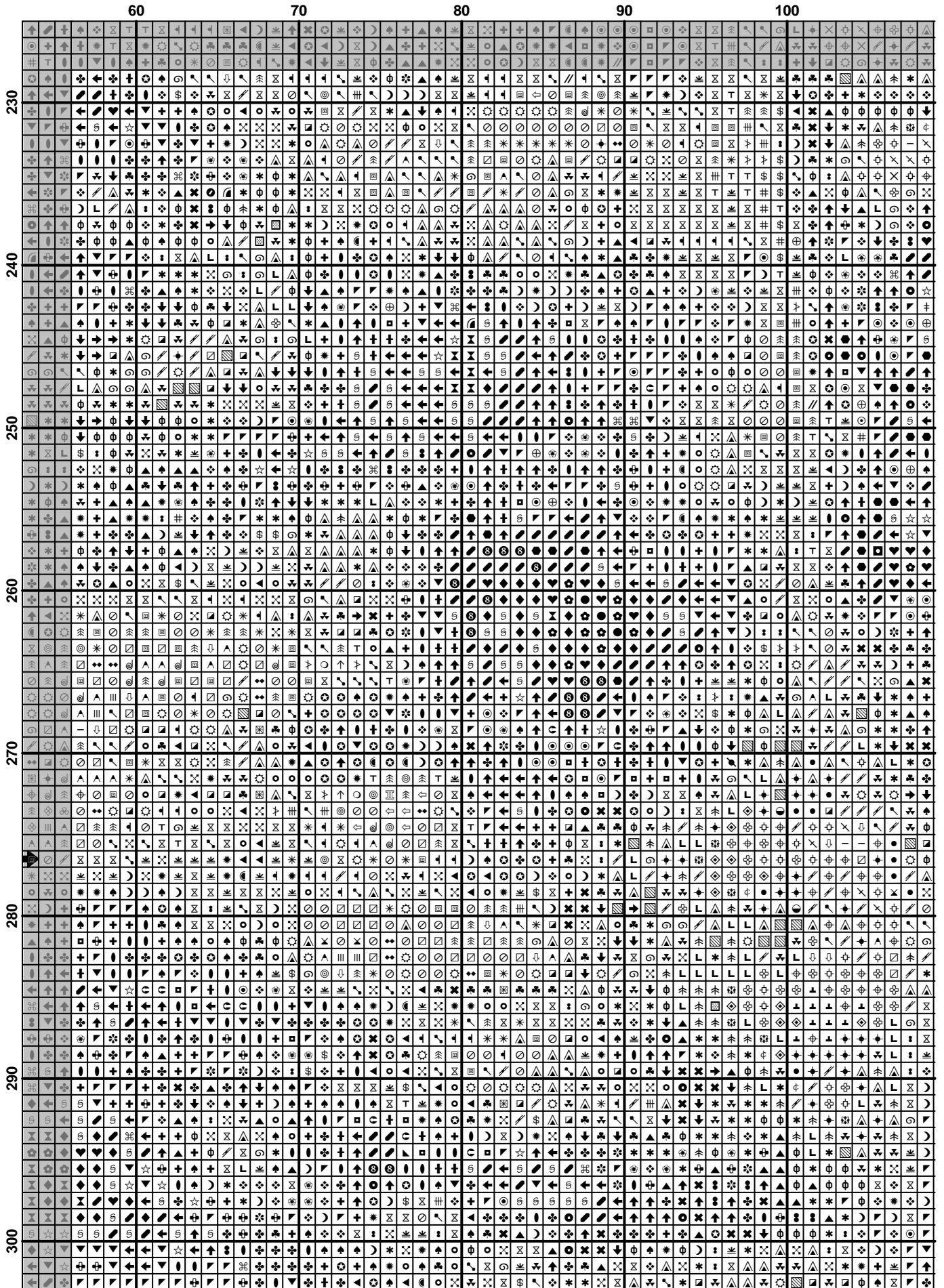


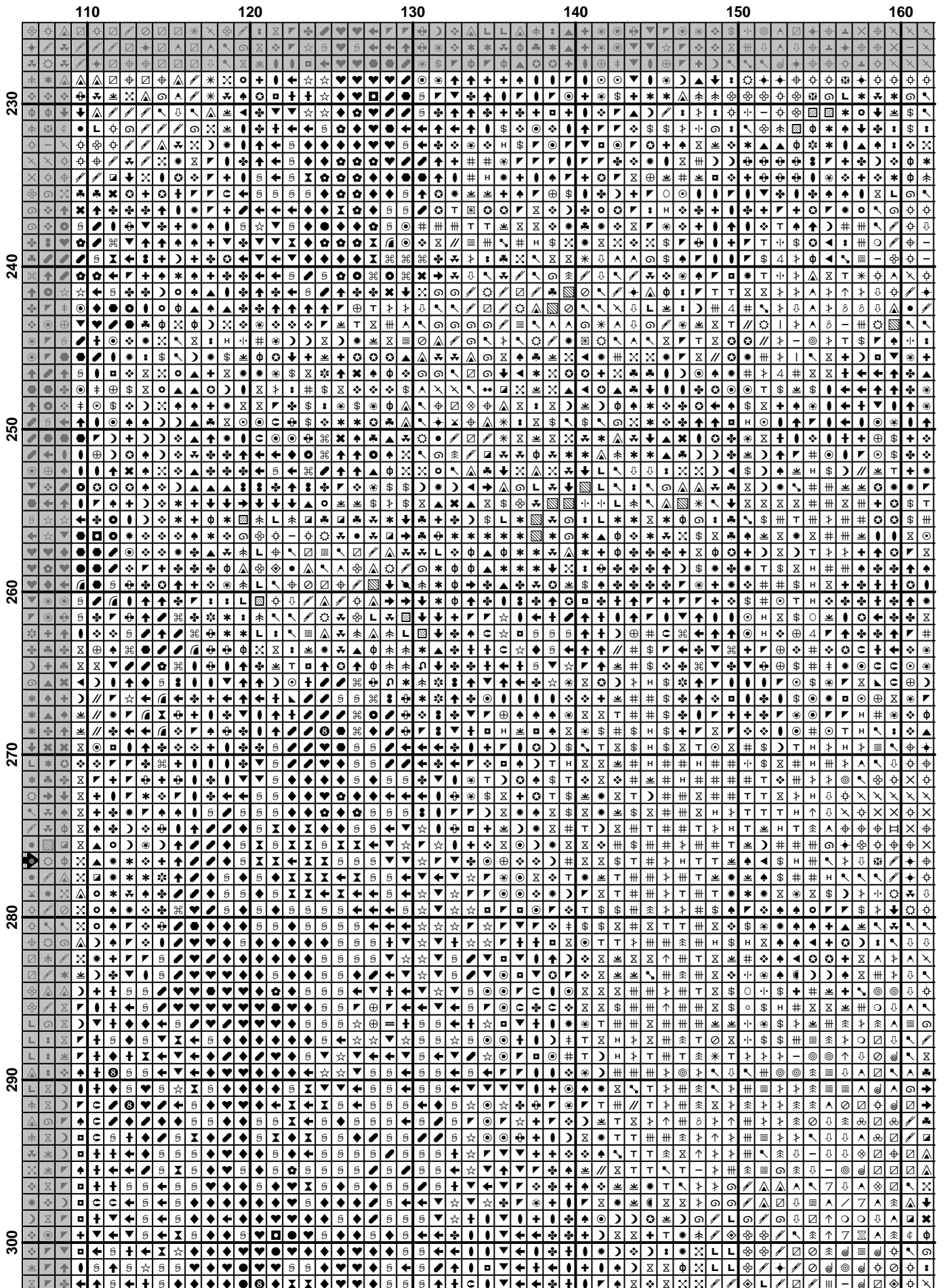


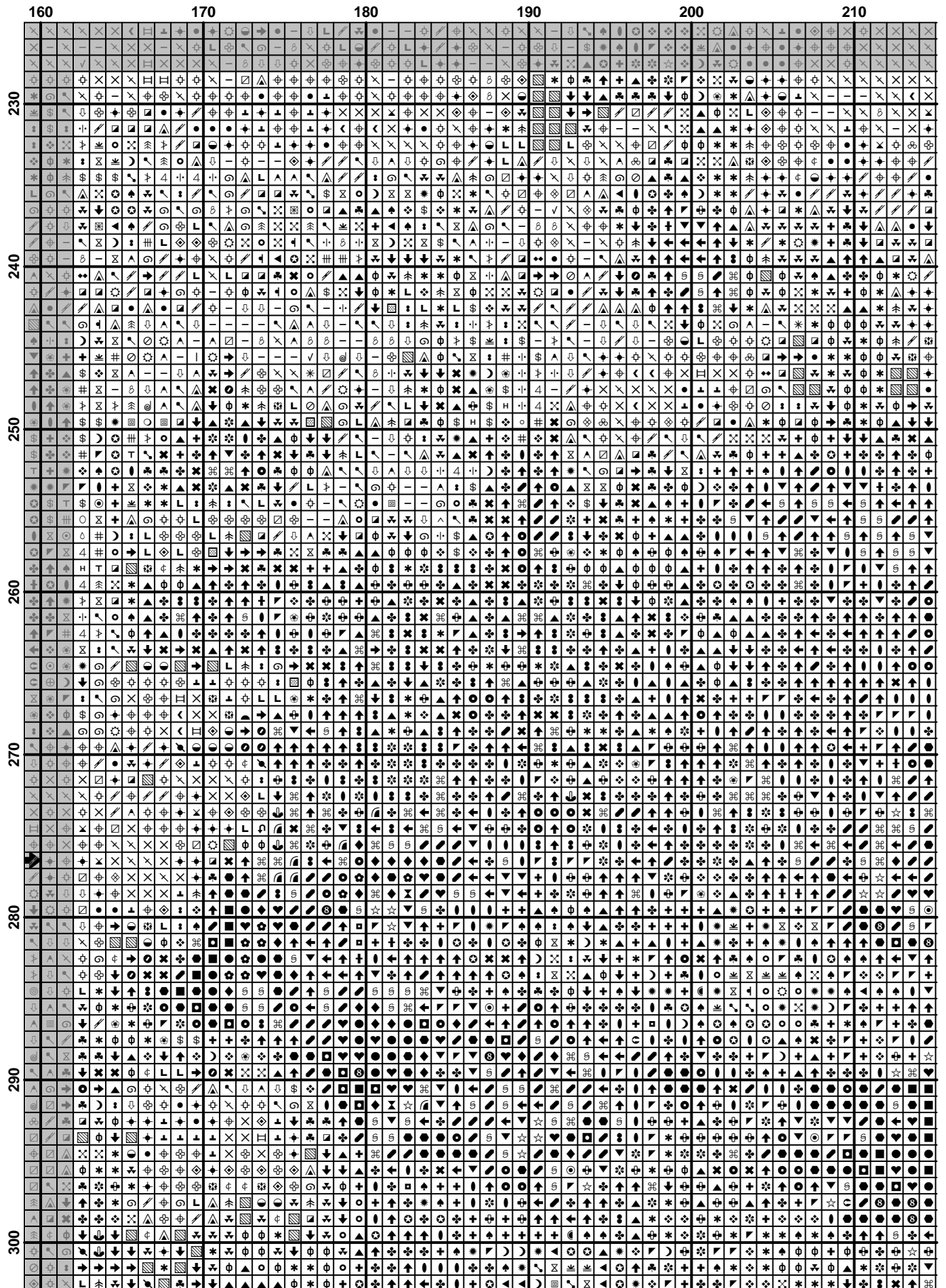
$$(51) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

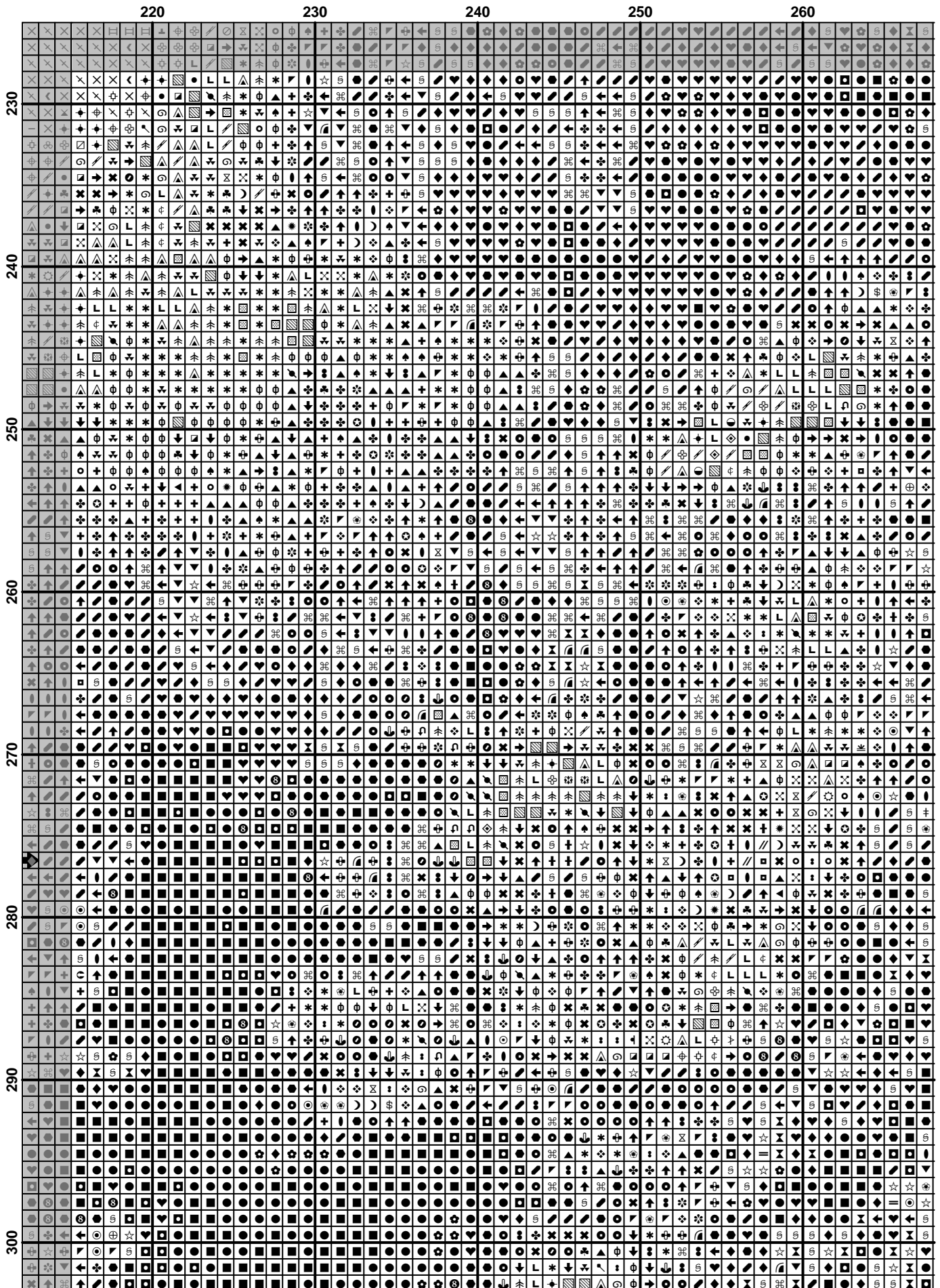


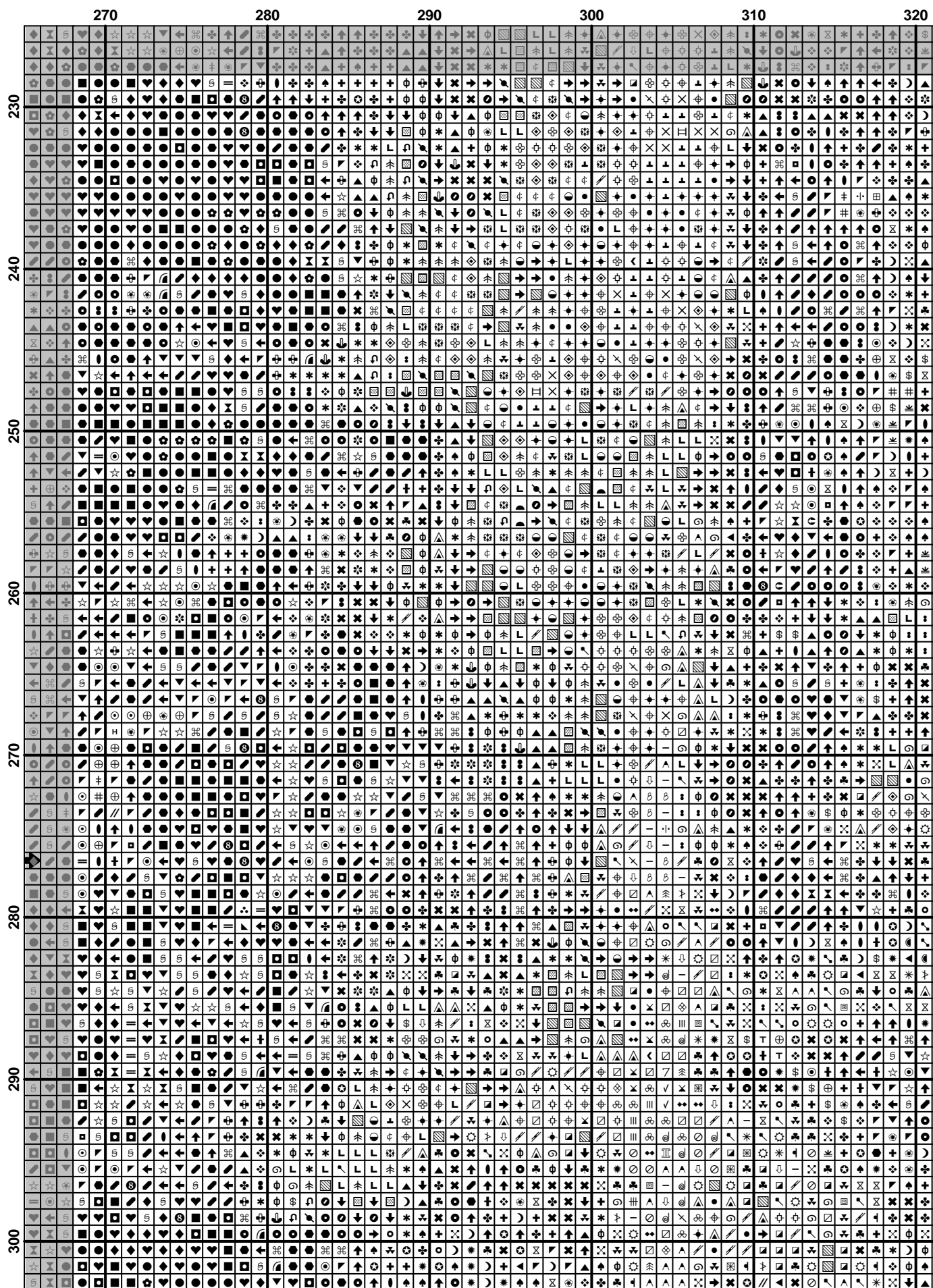


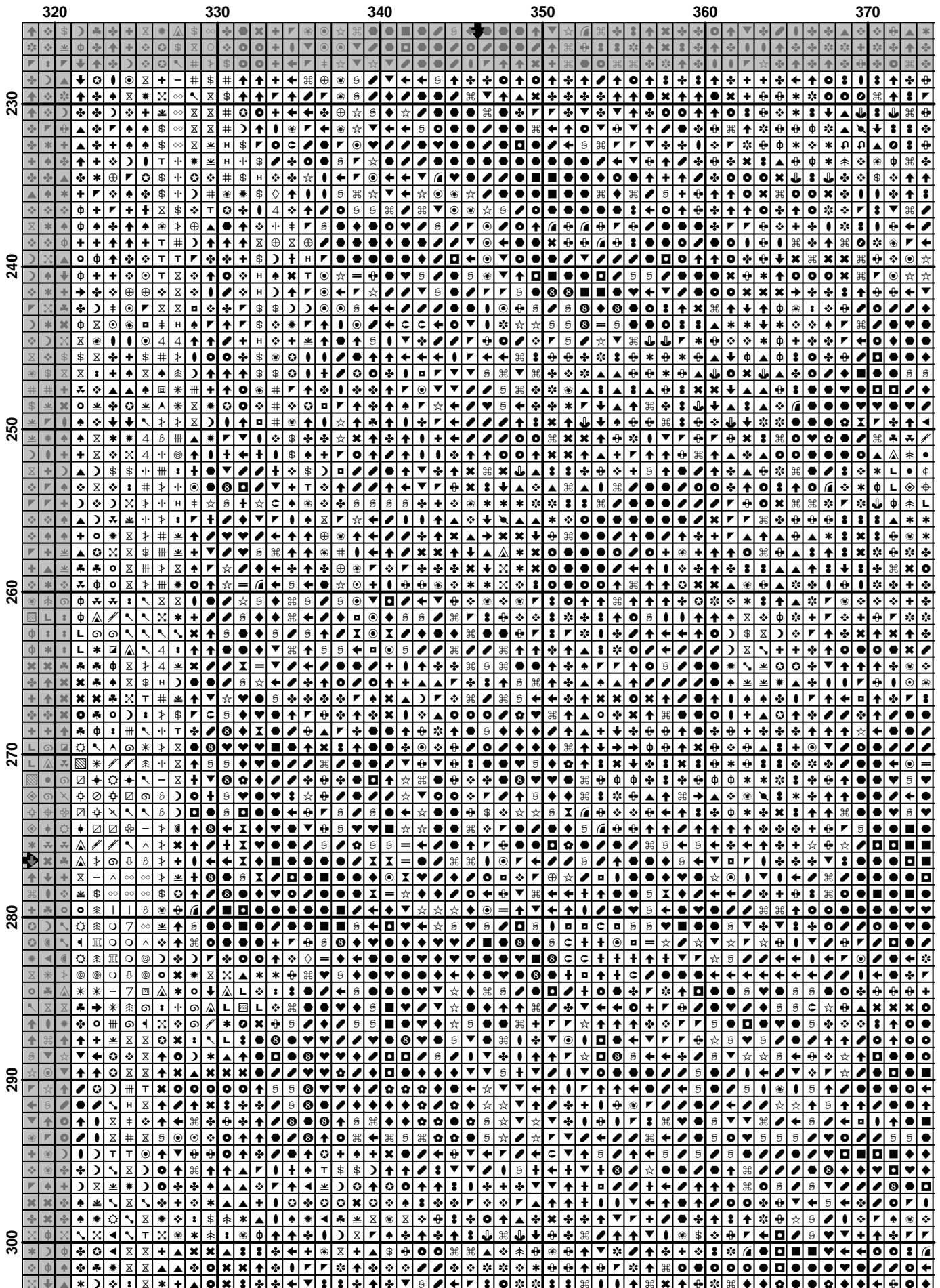


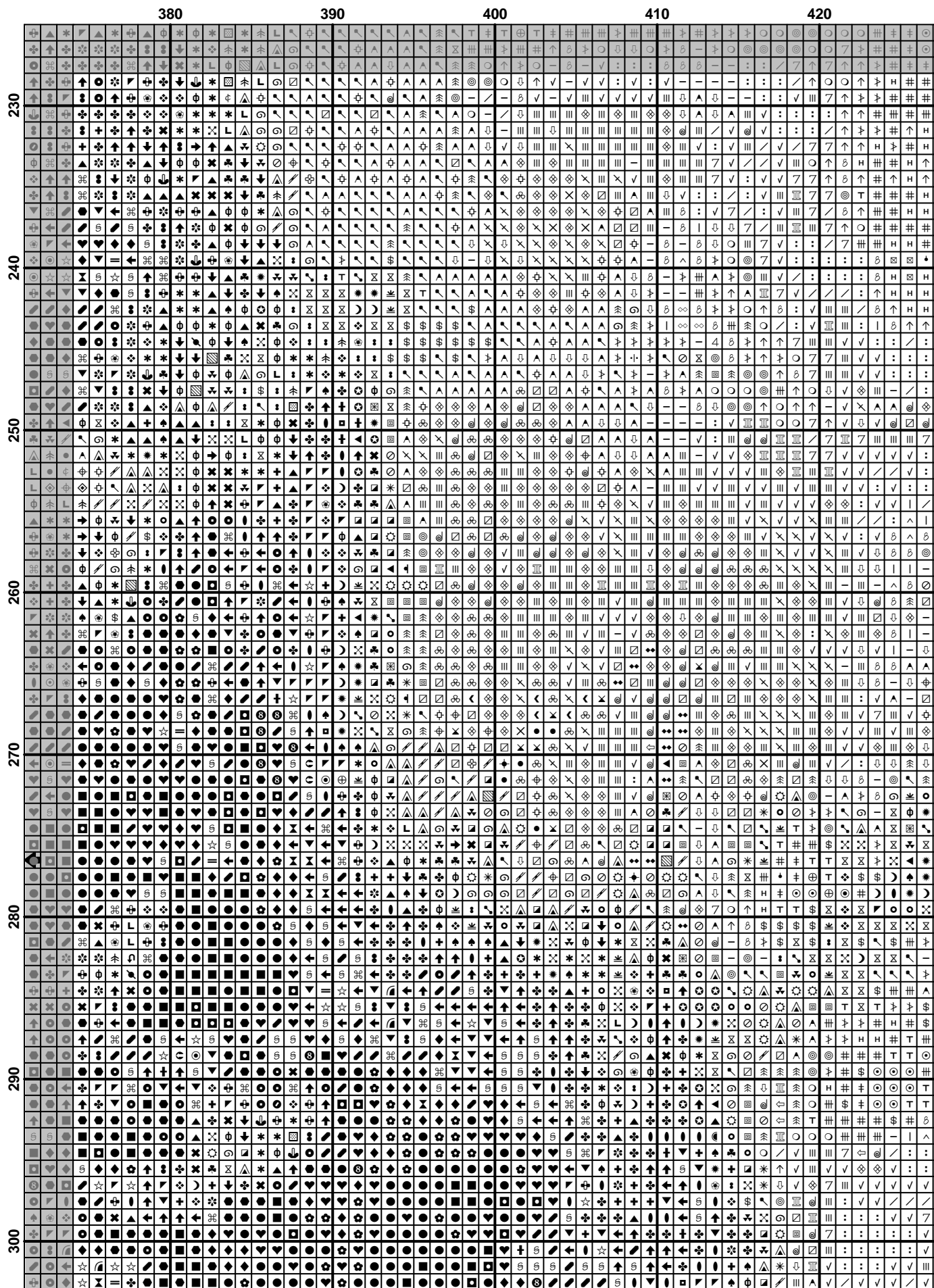


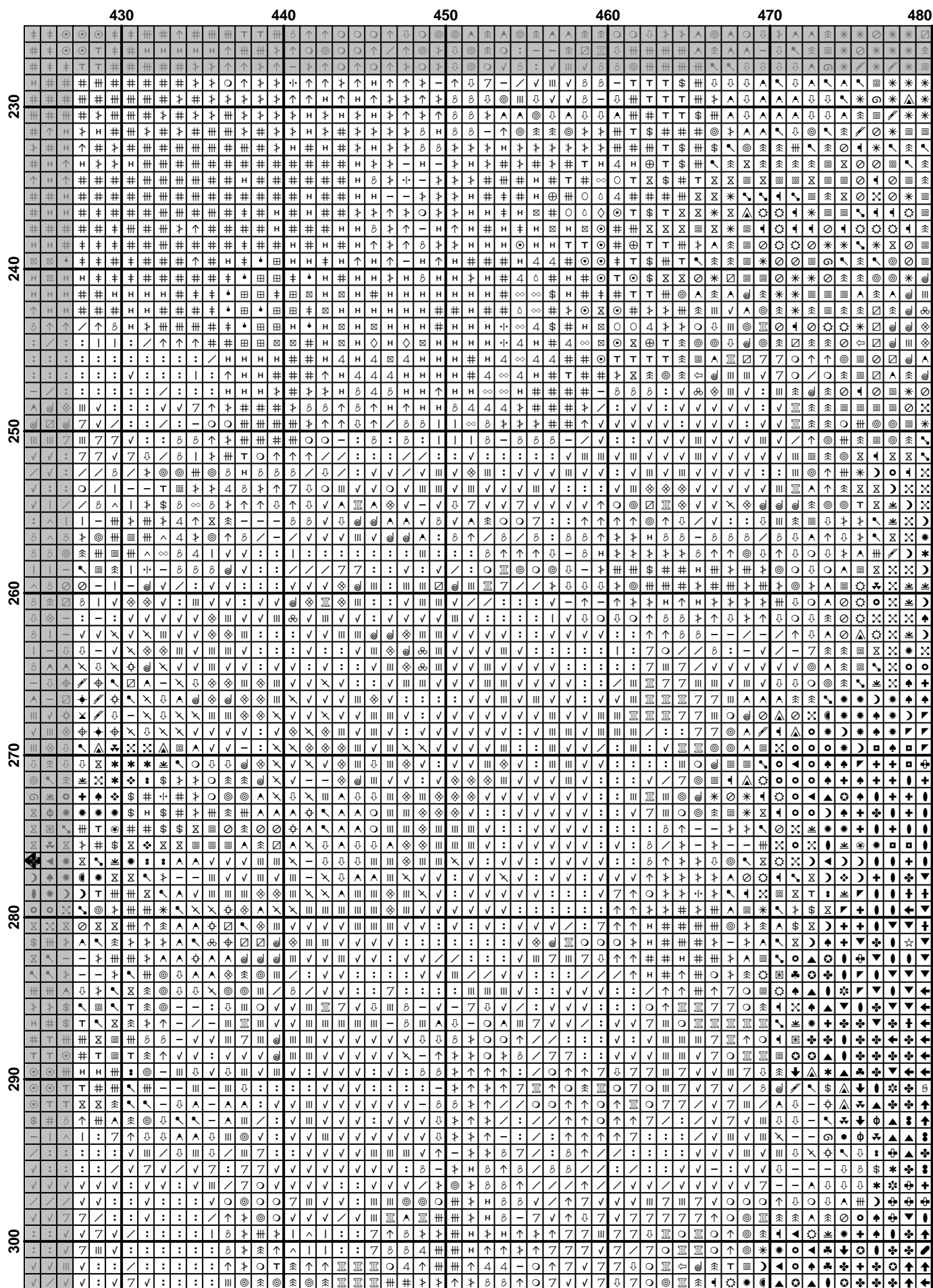


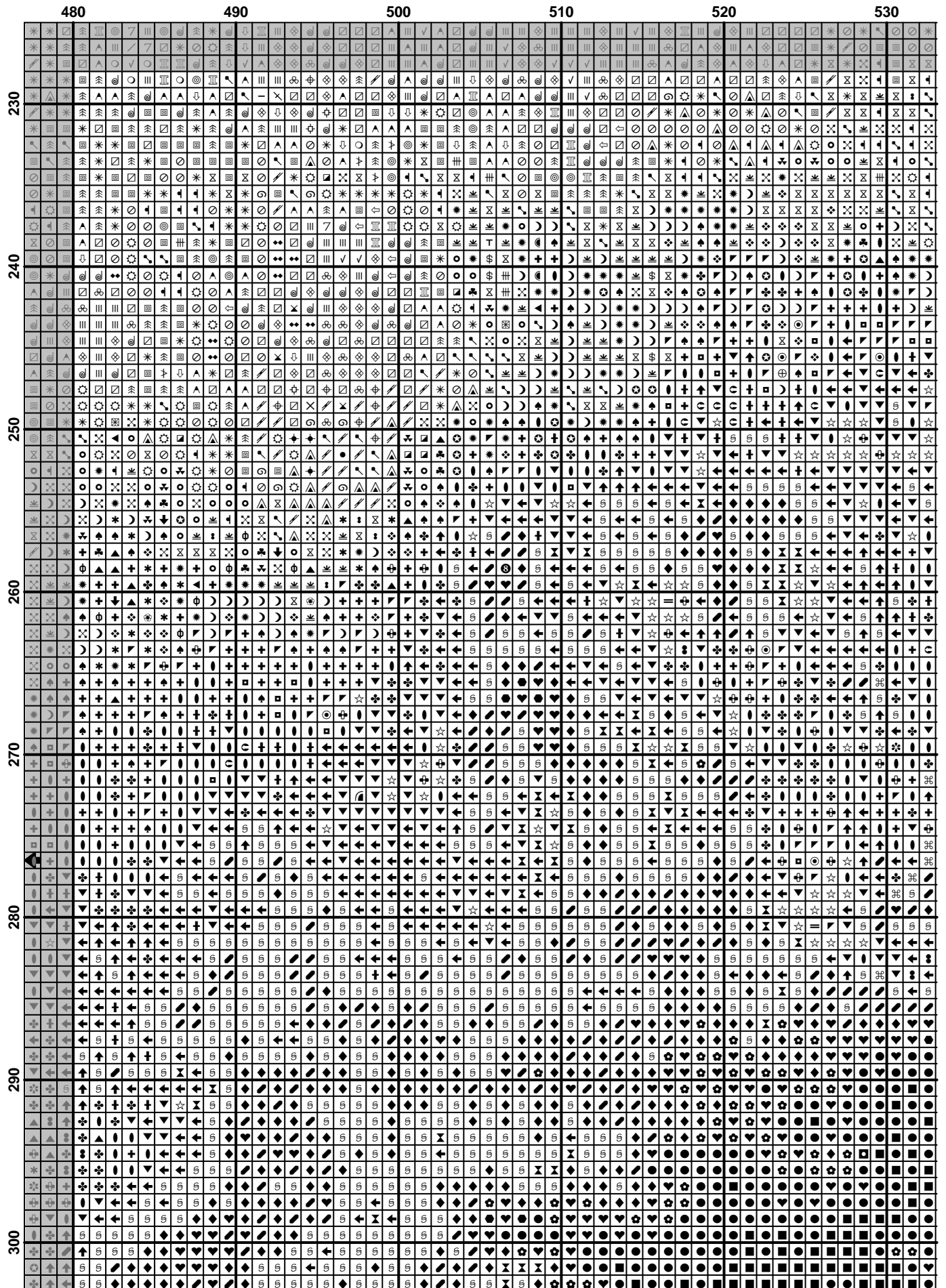


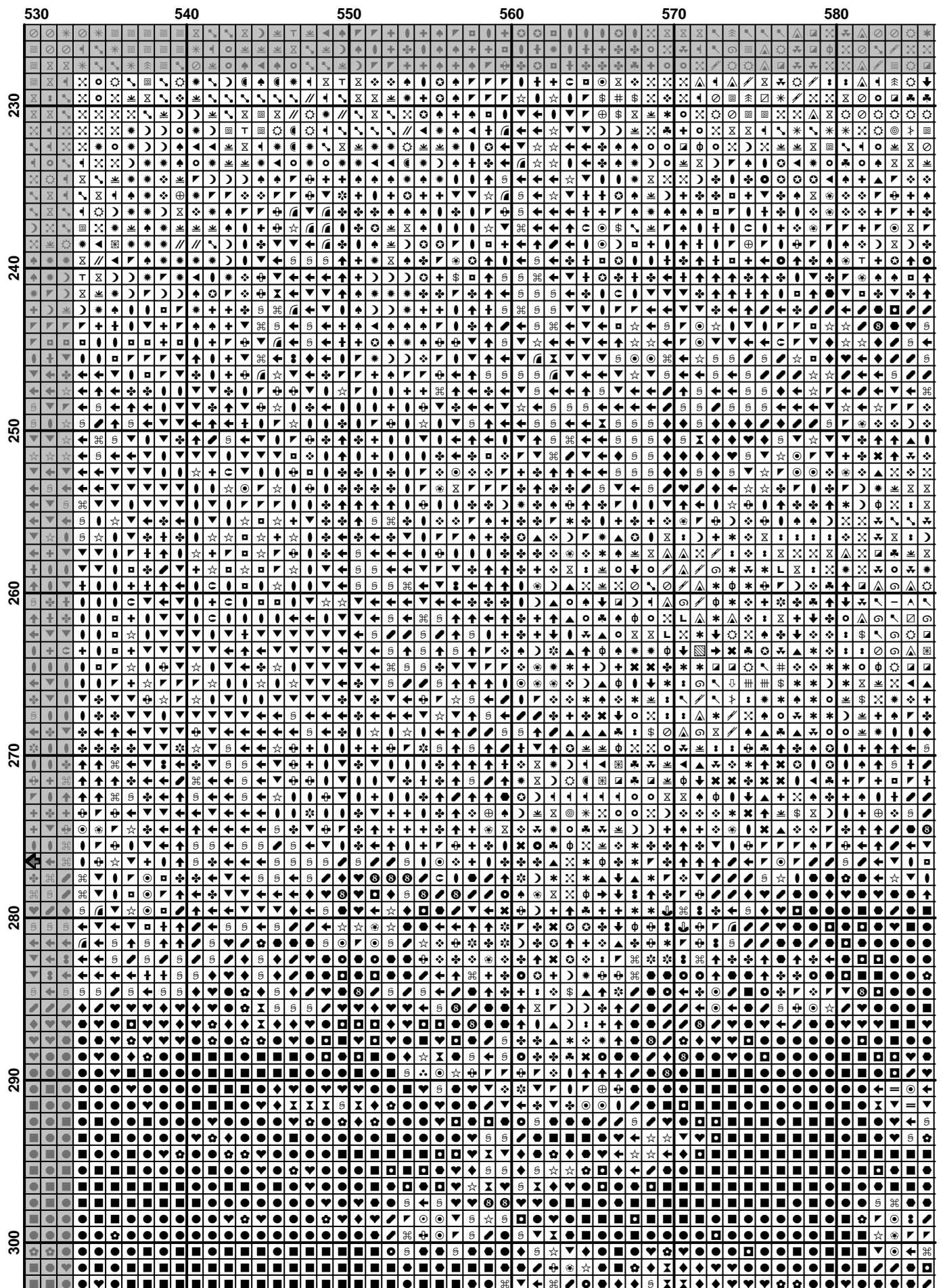


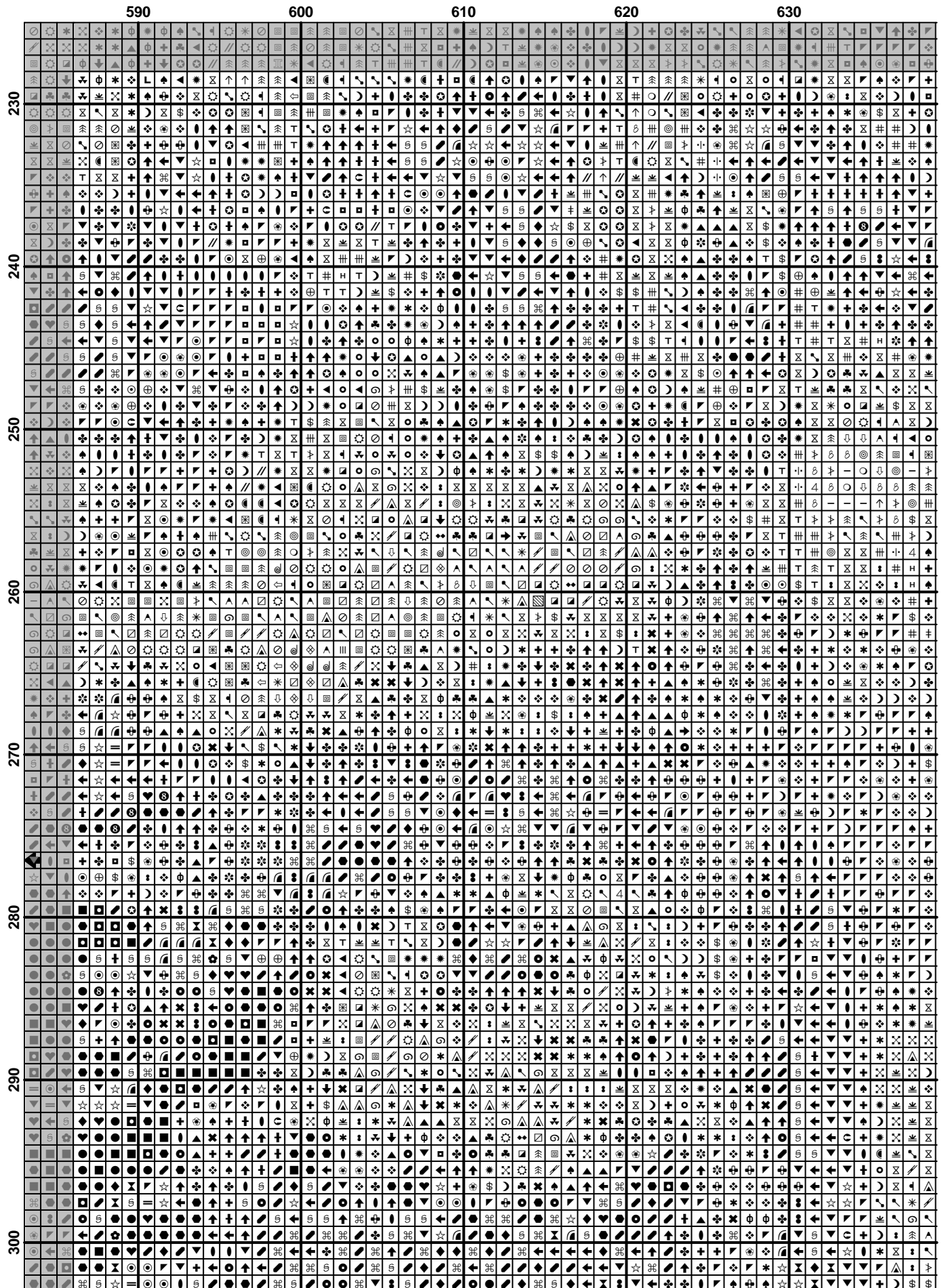


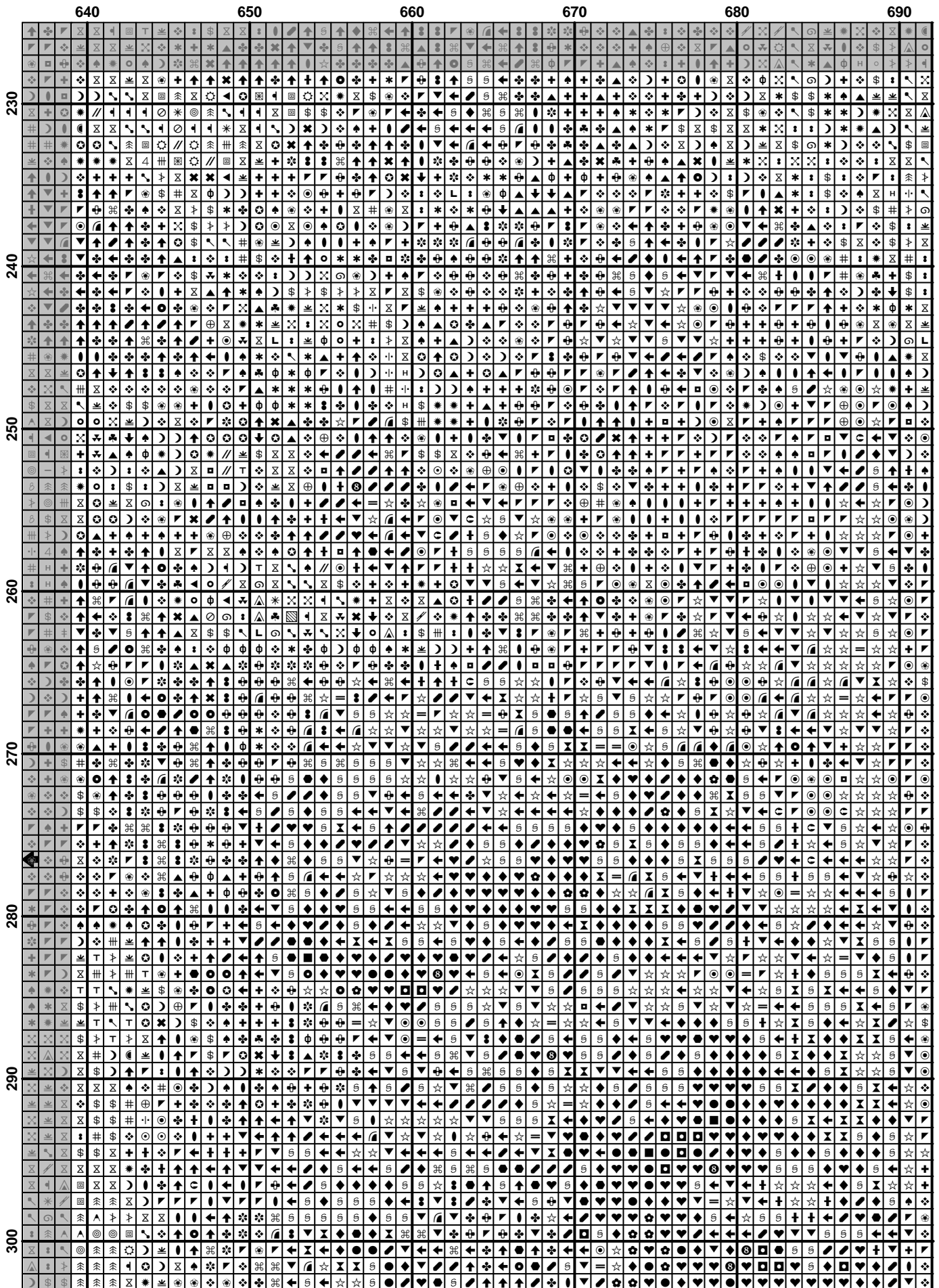


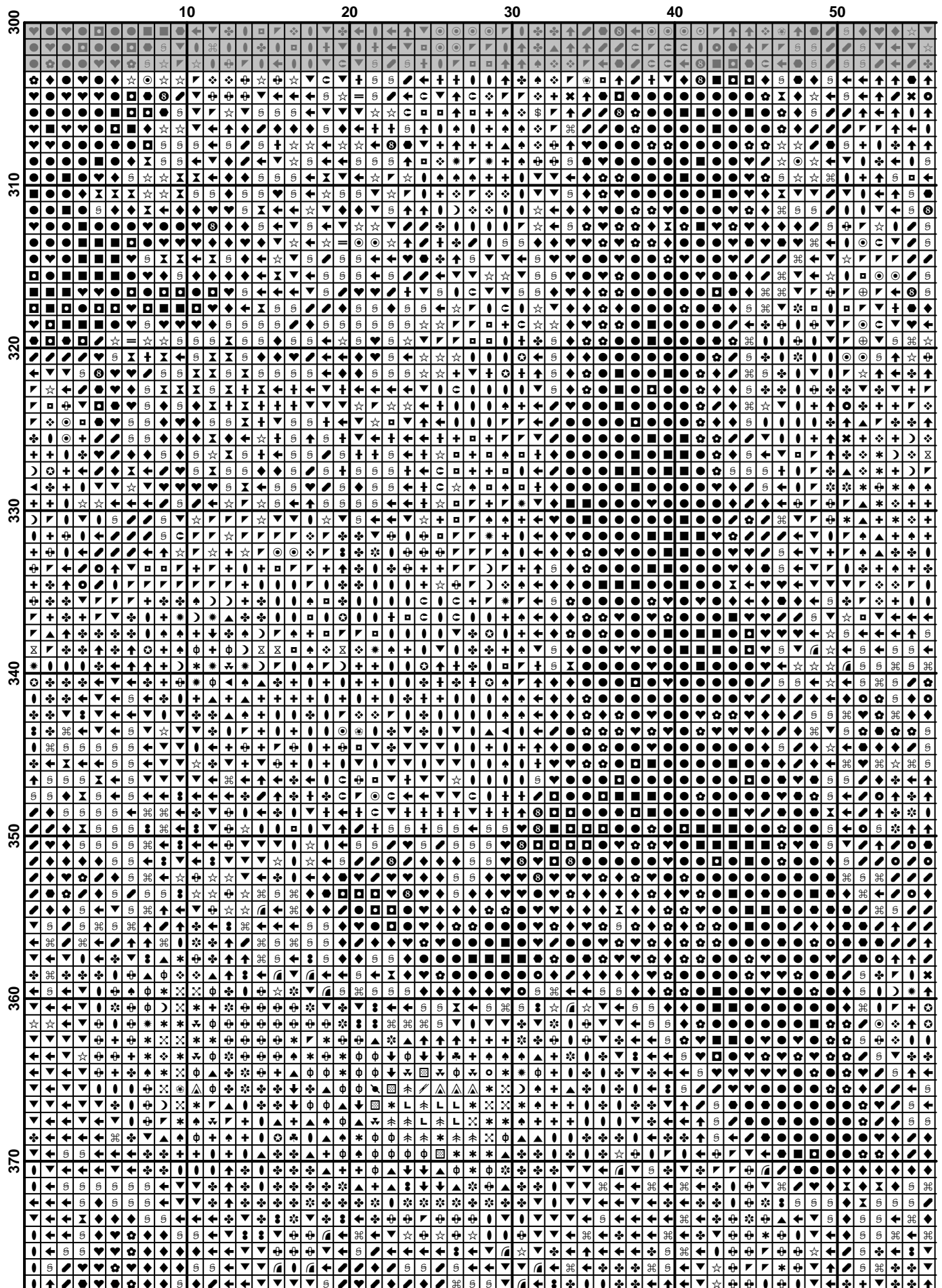


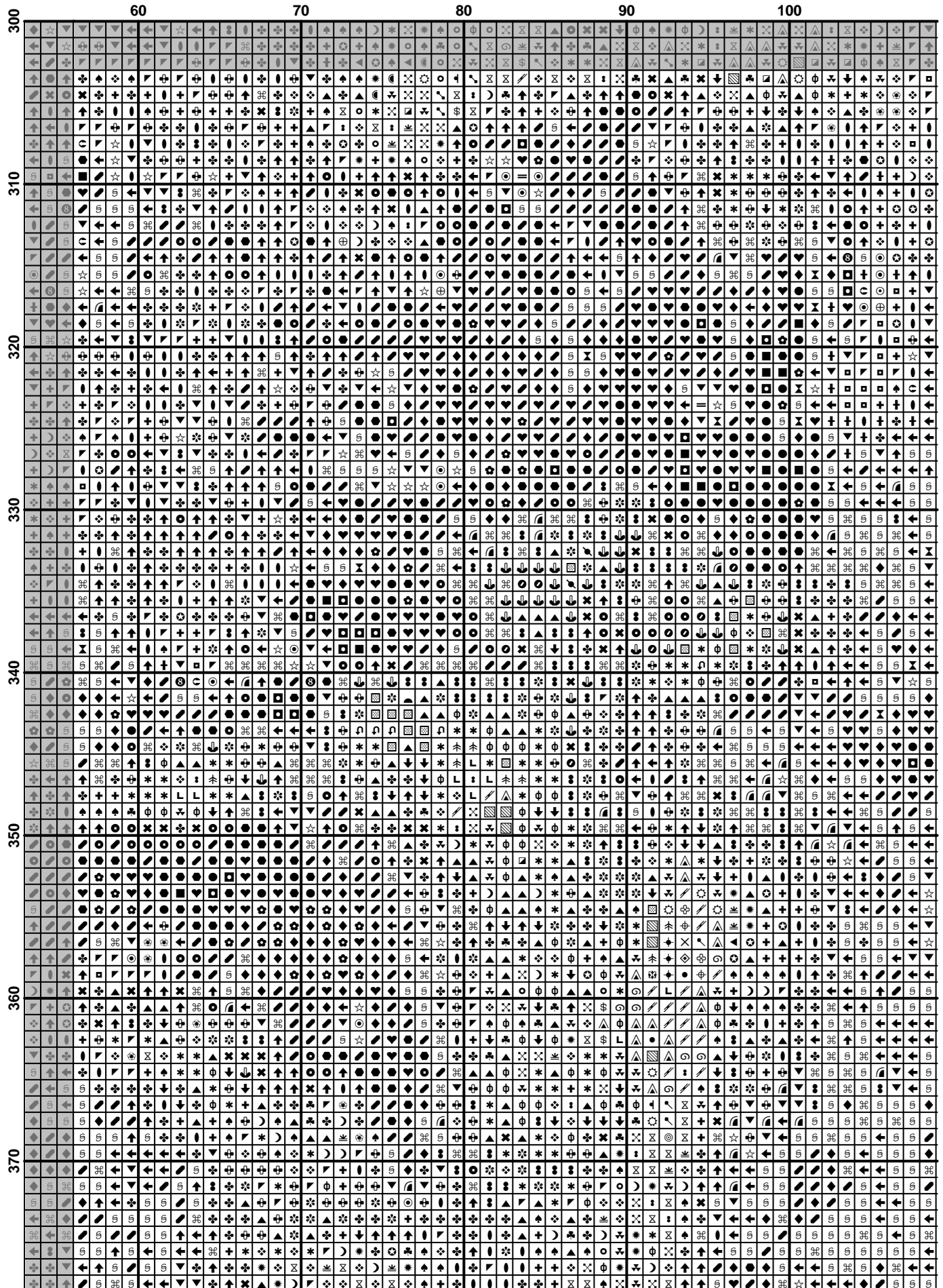


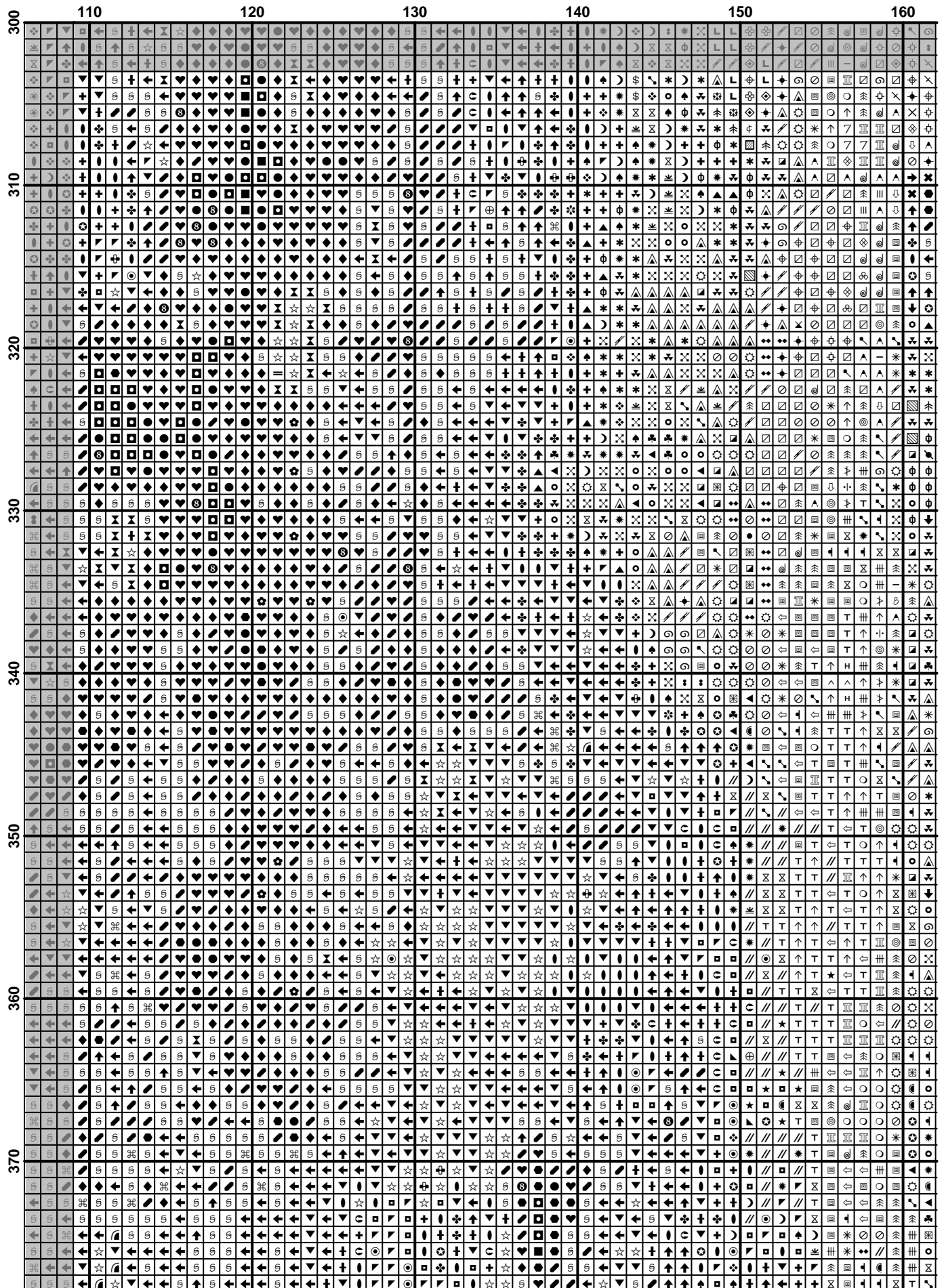


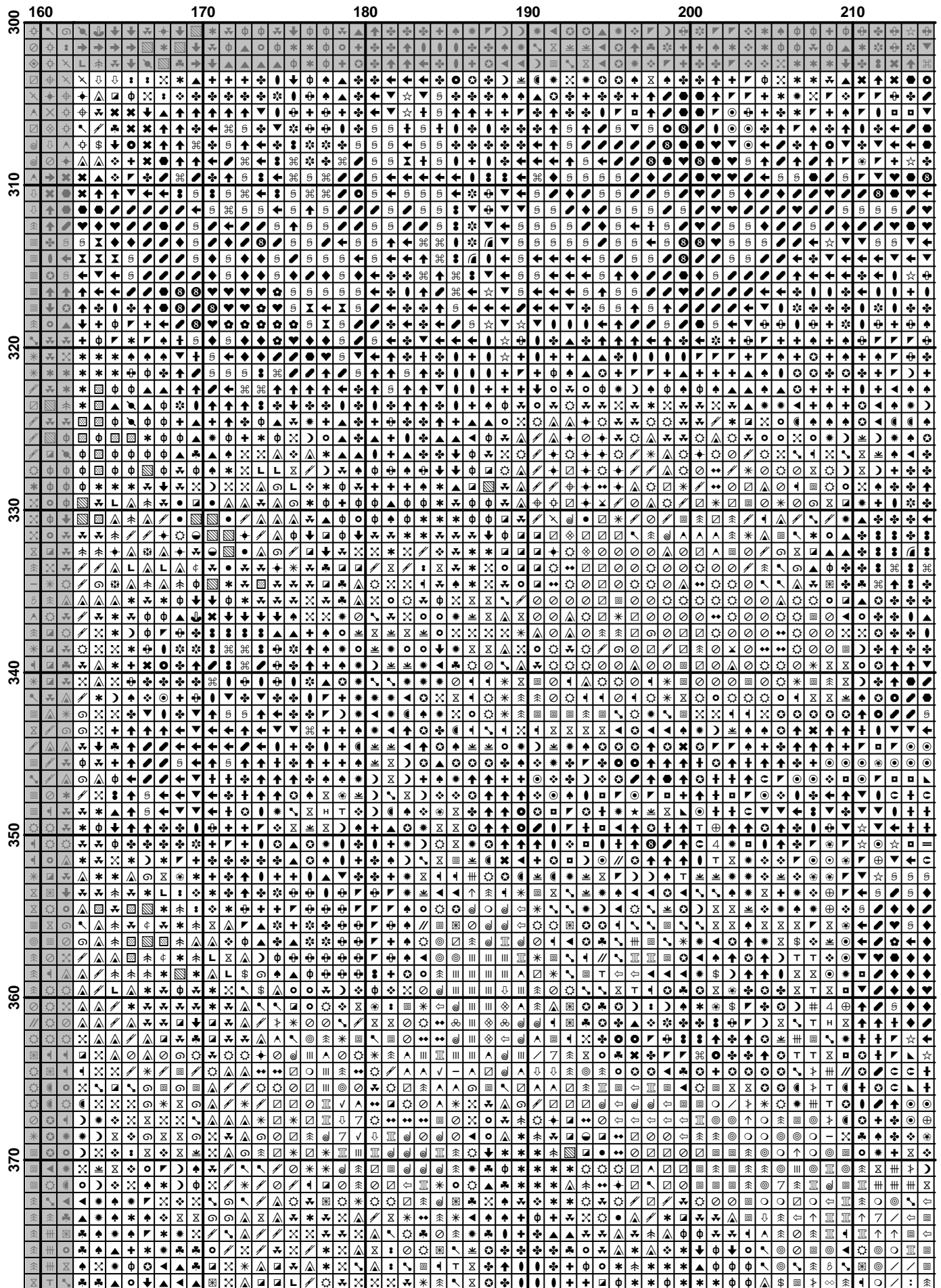


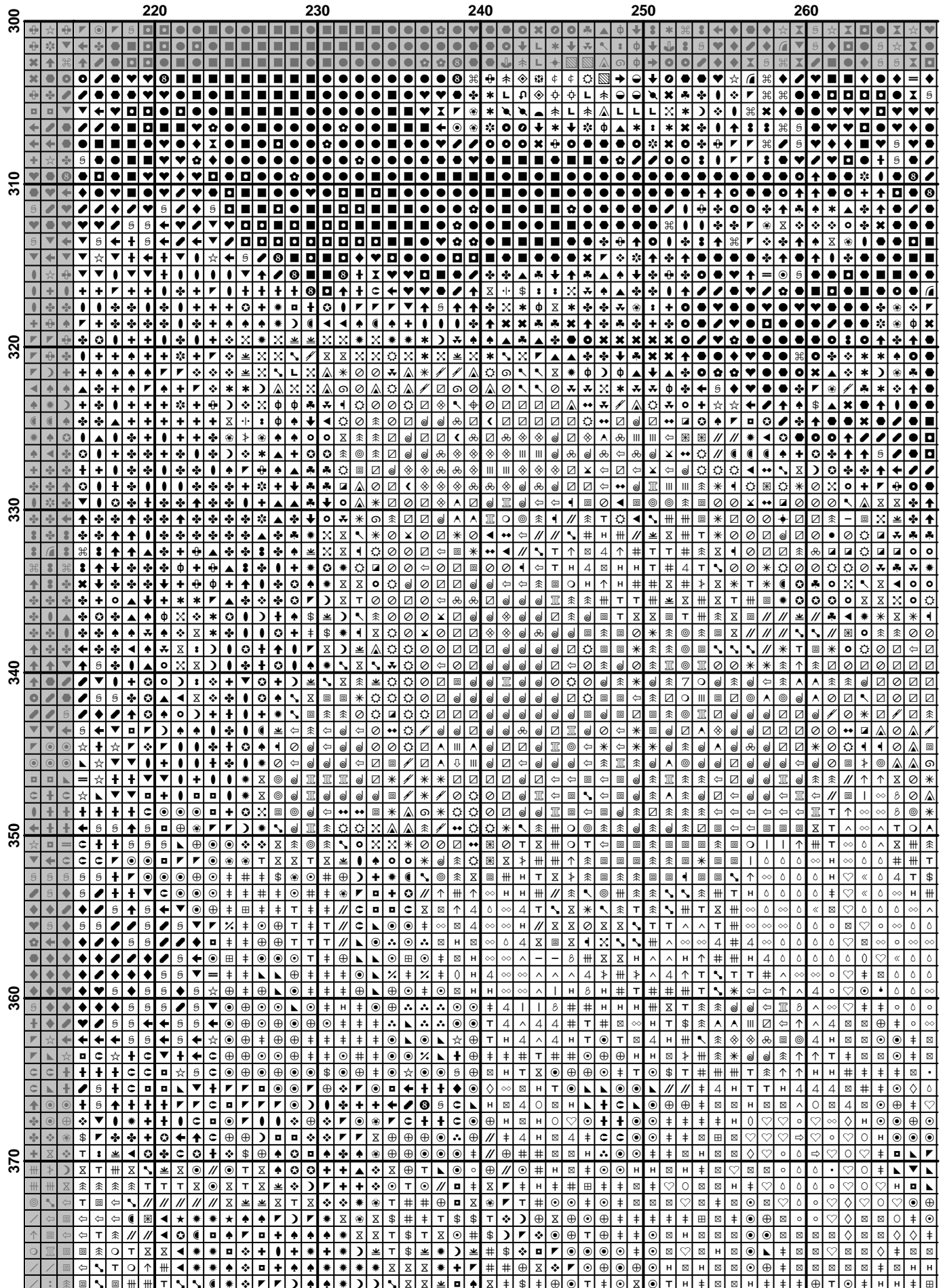


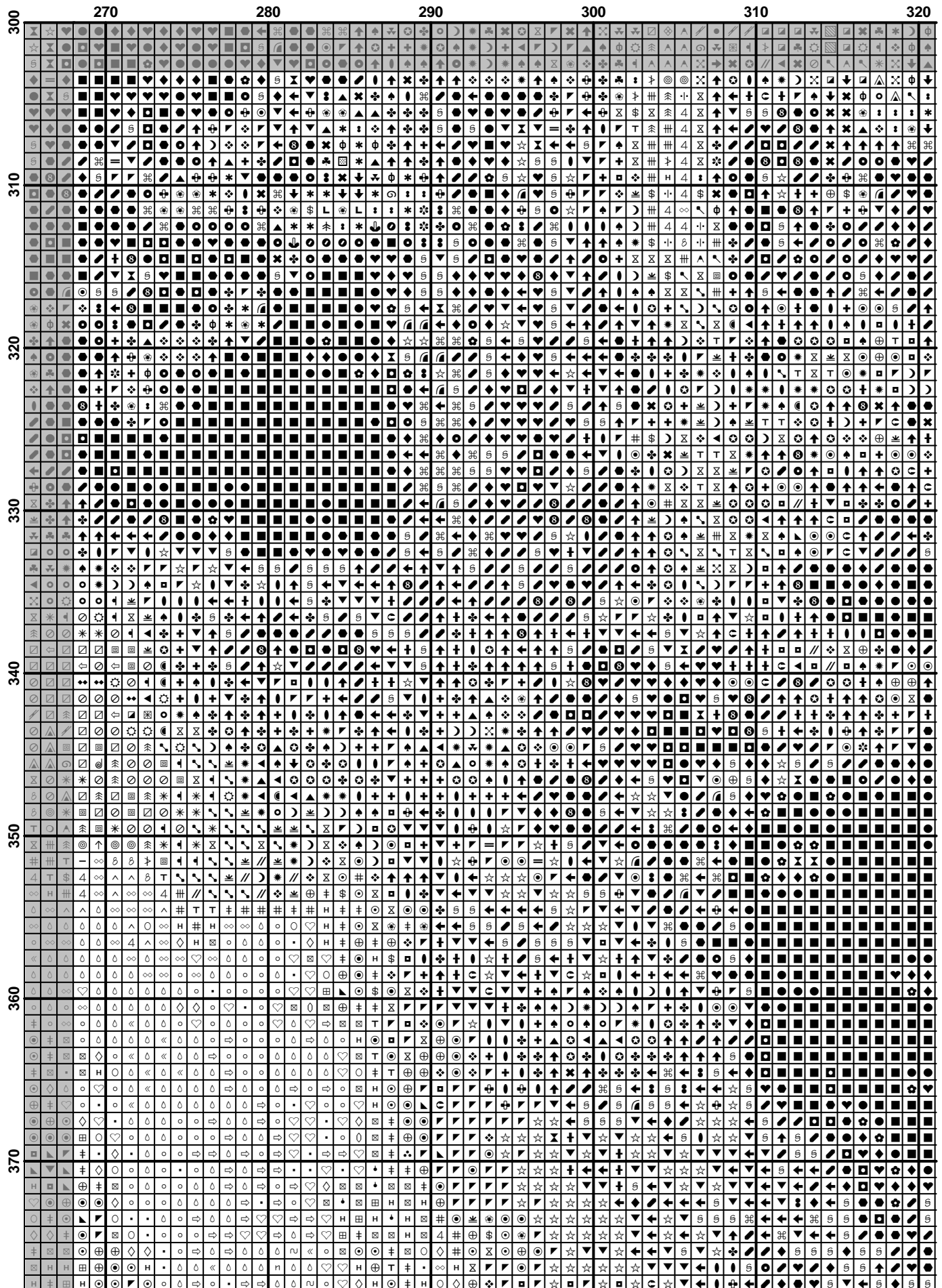


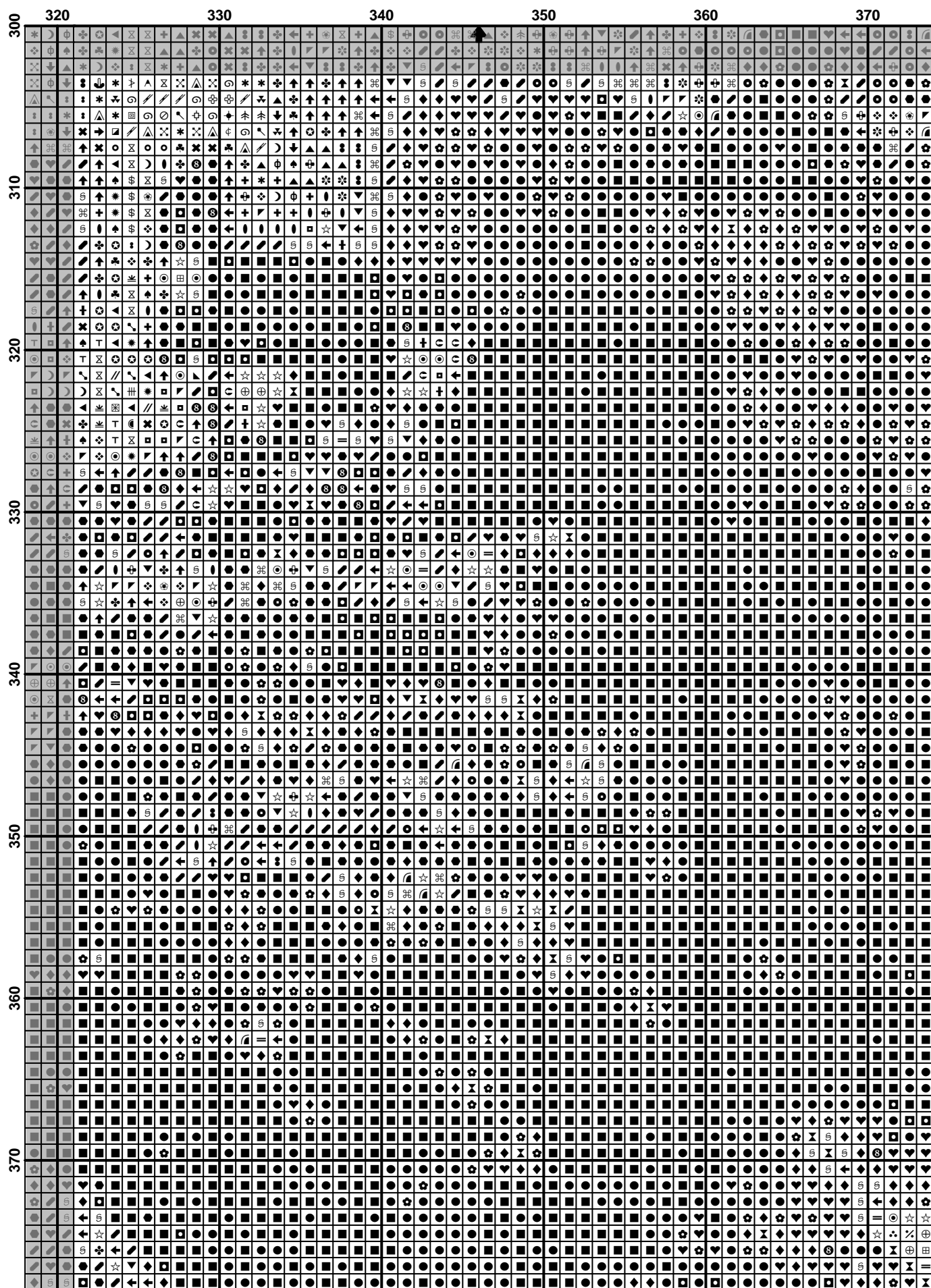


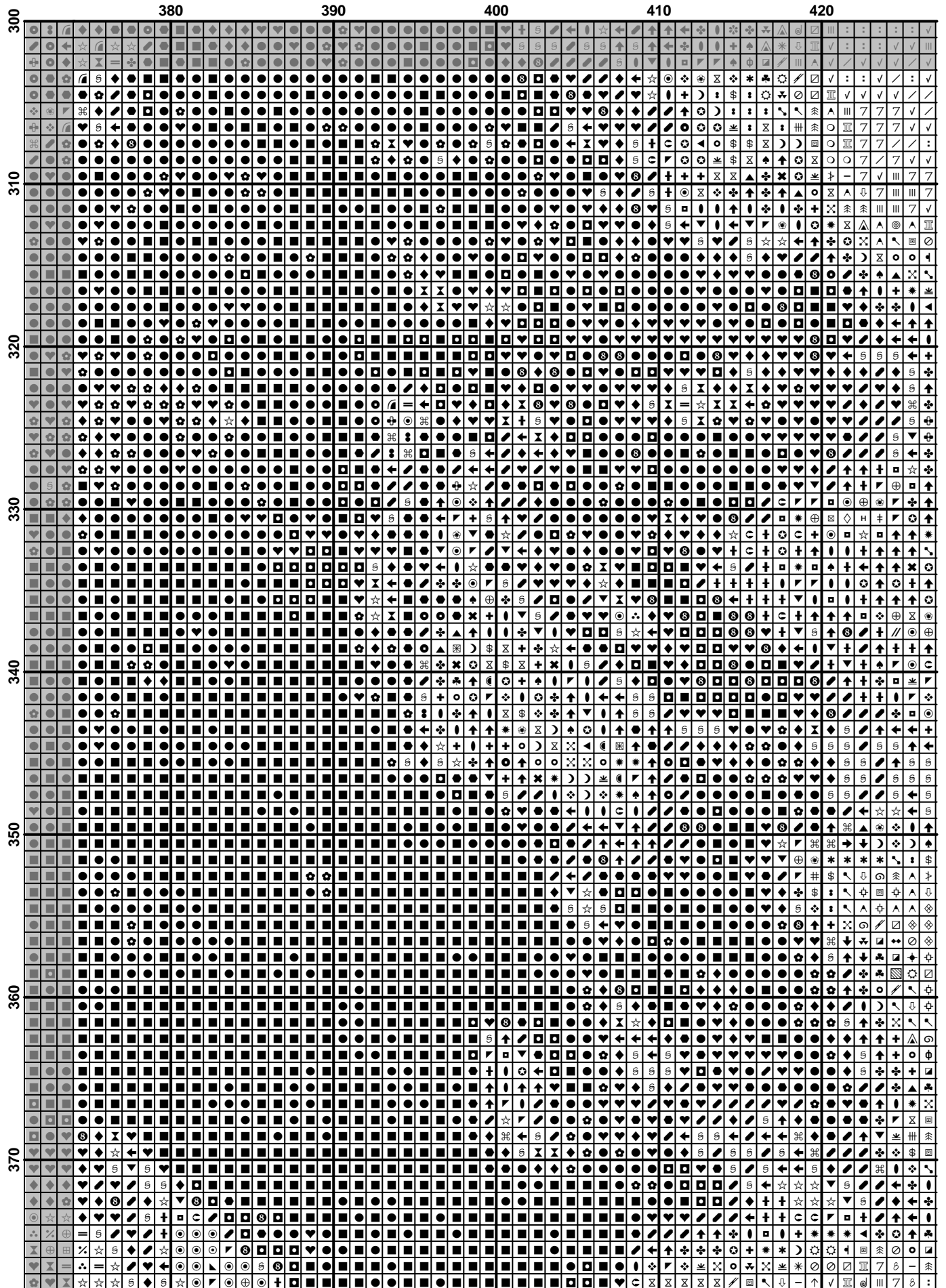


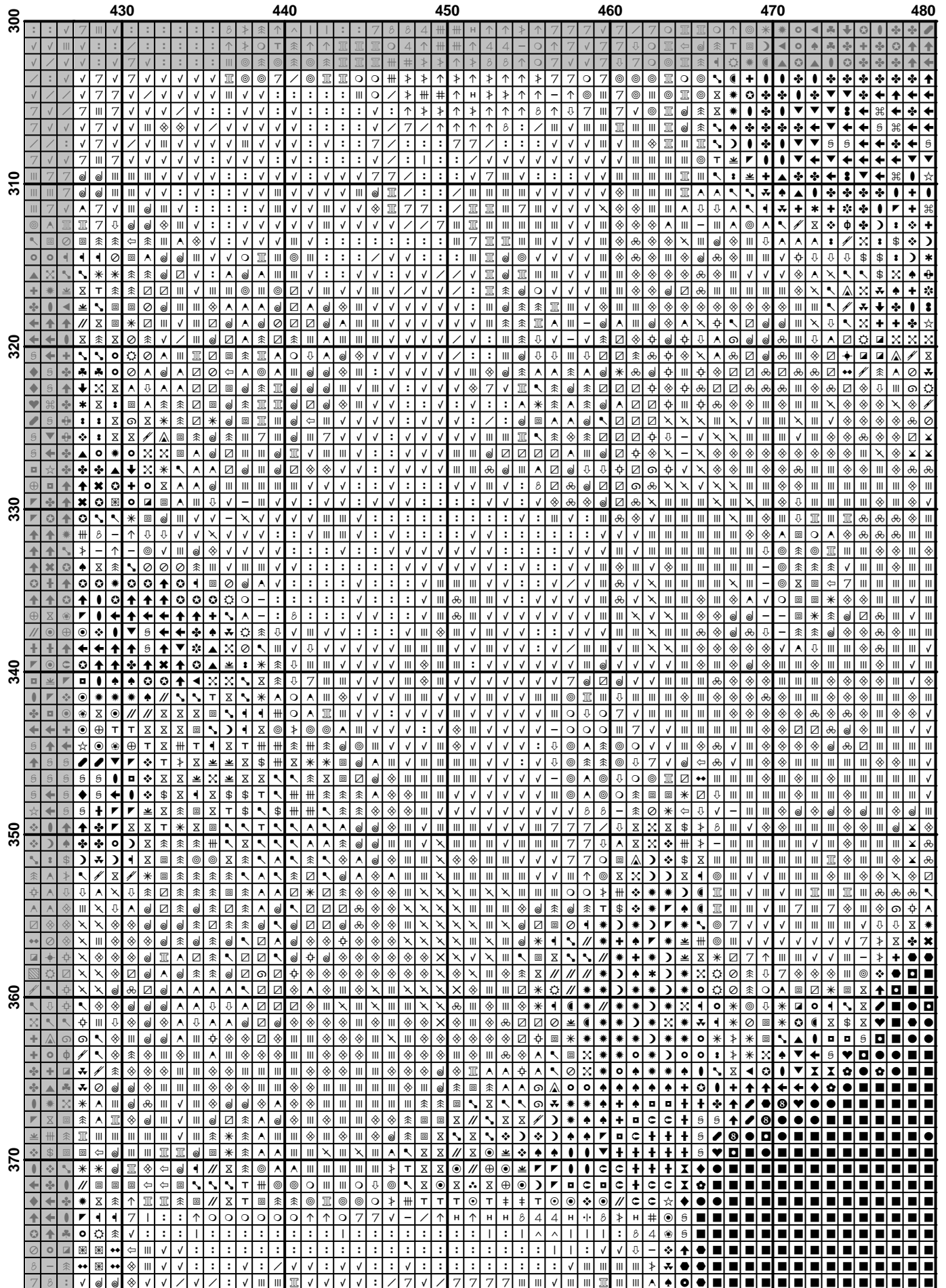


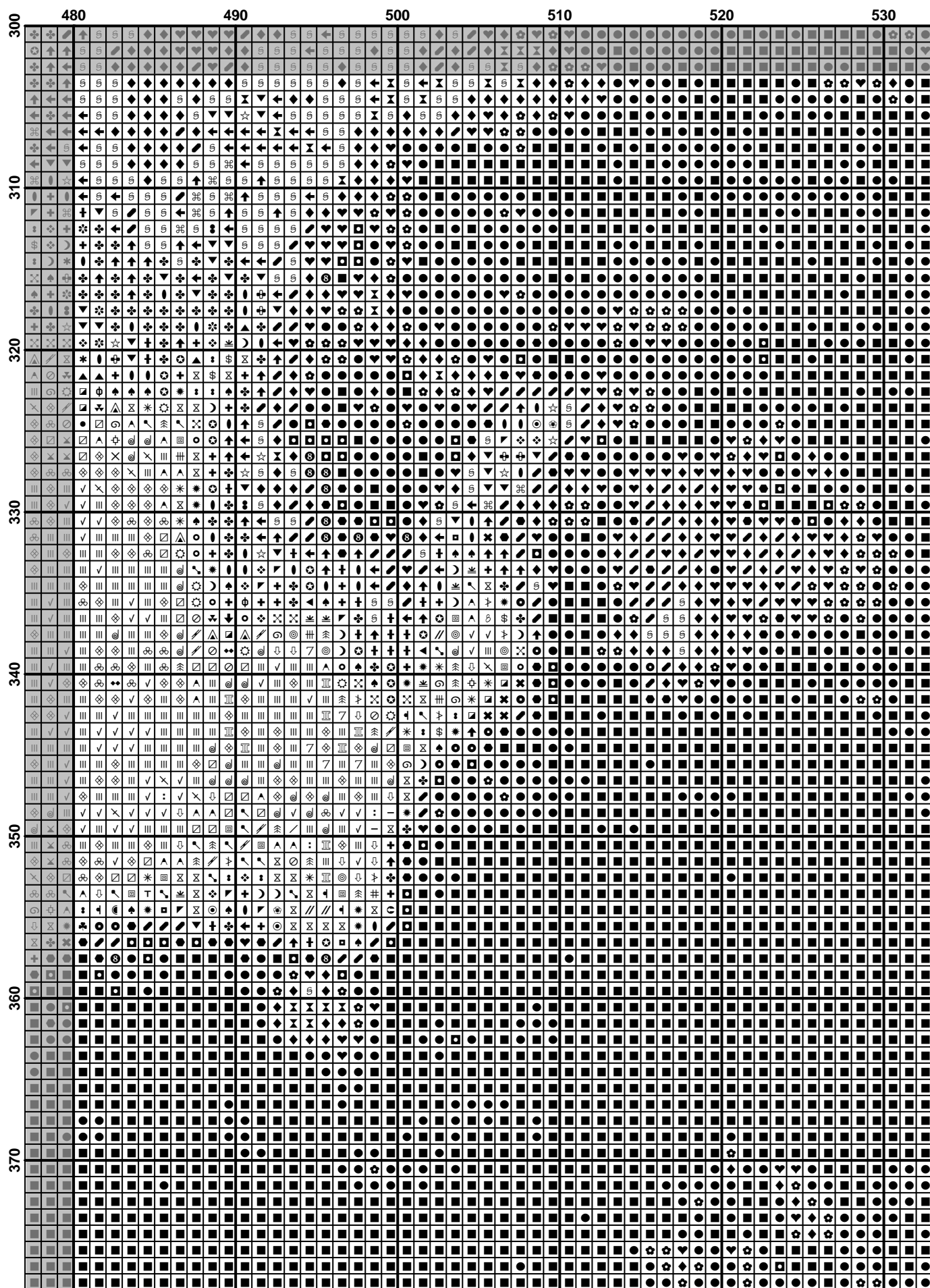


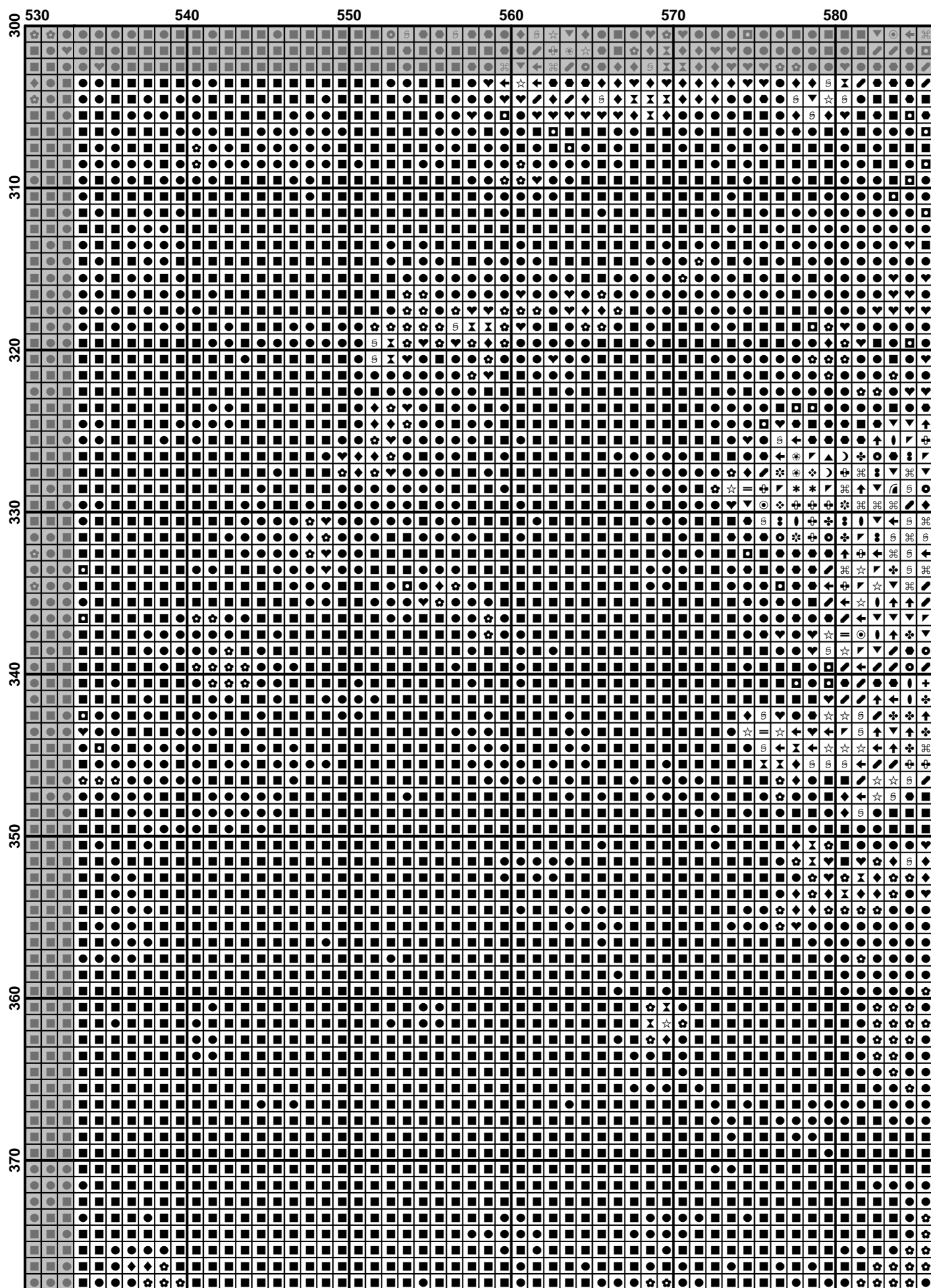


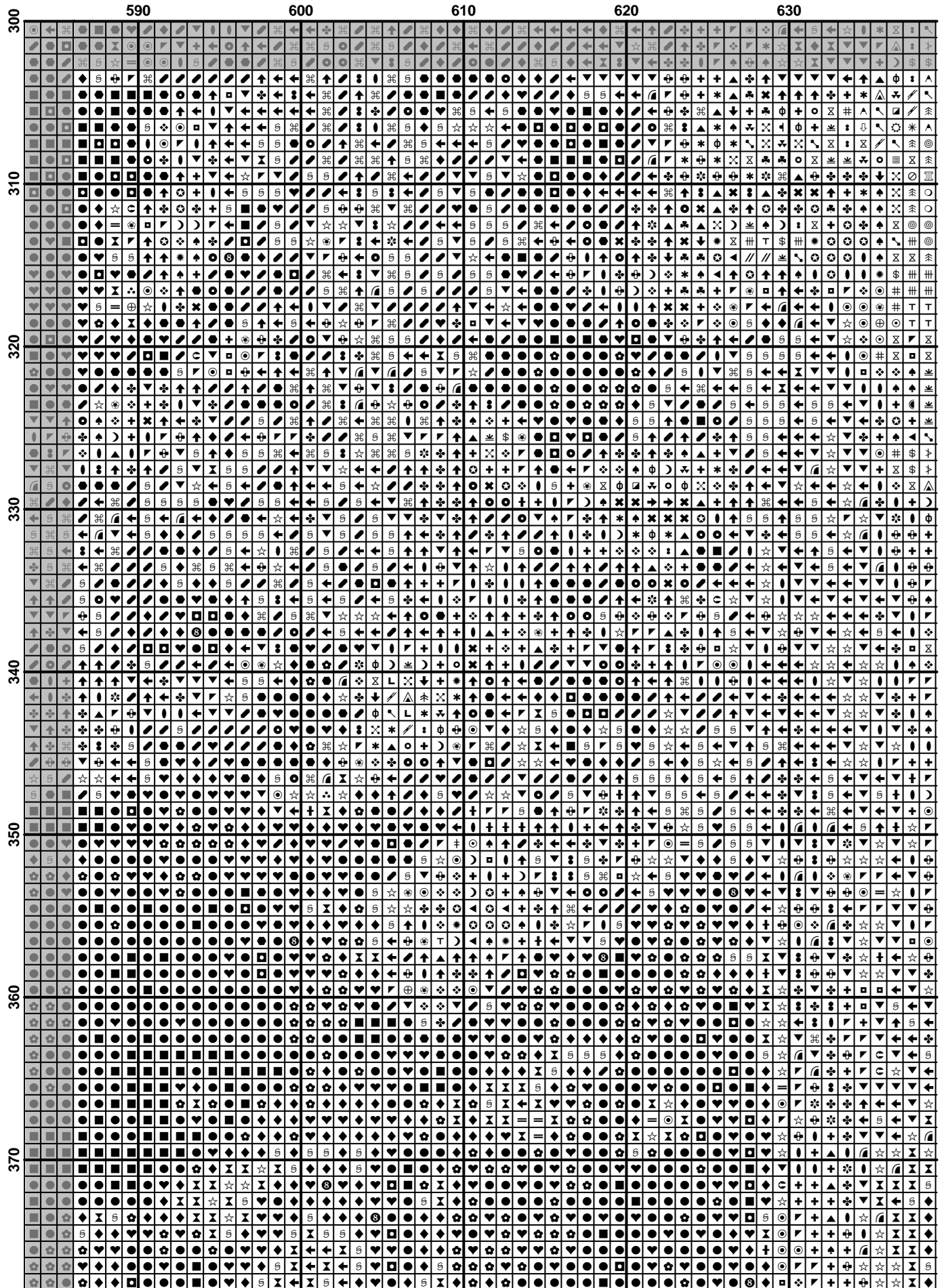


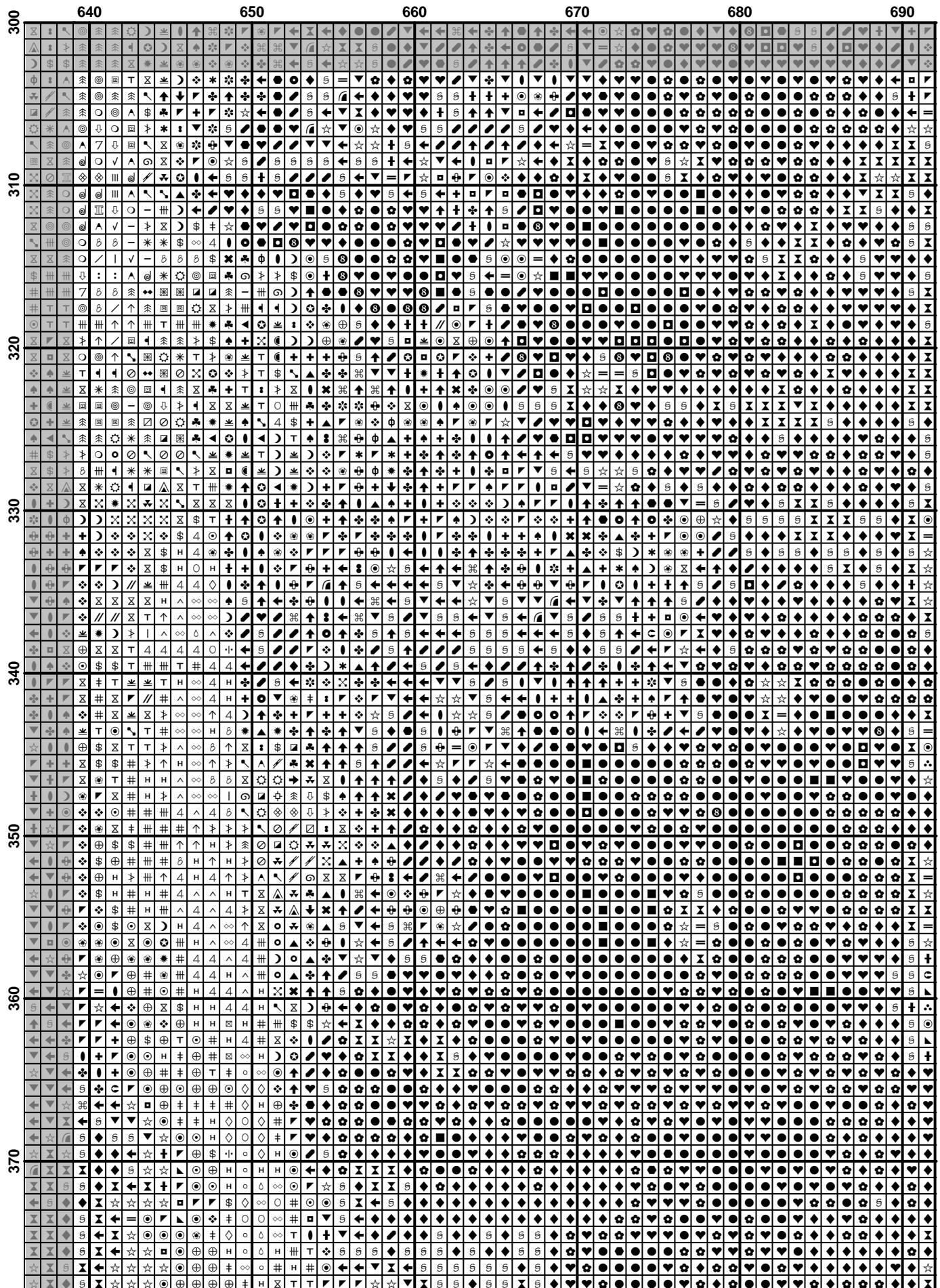


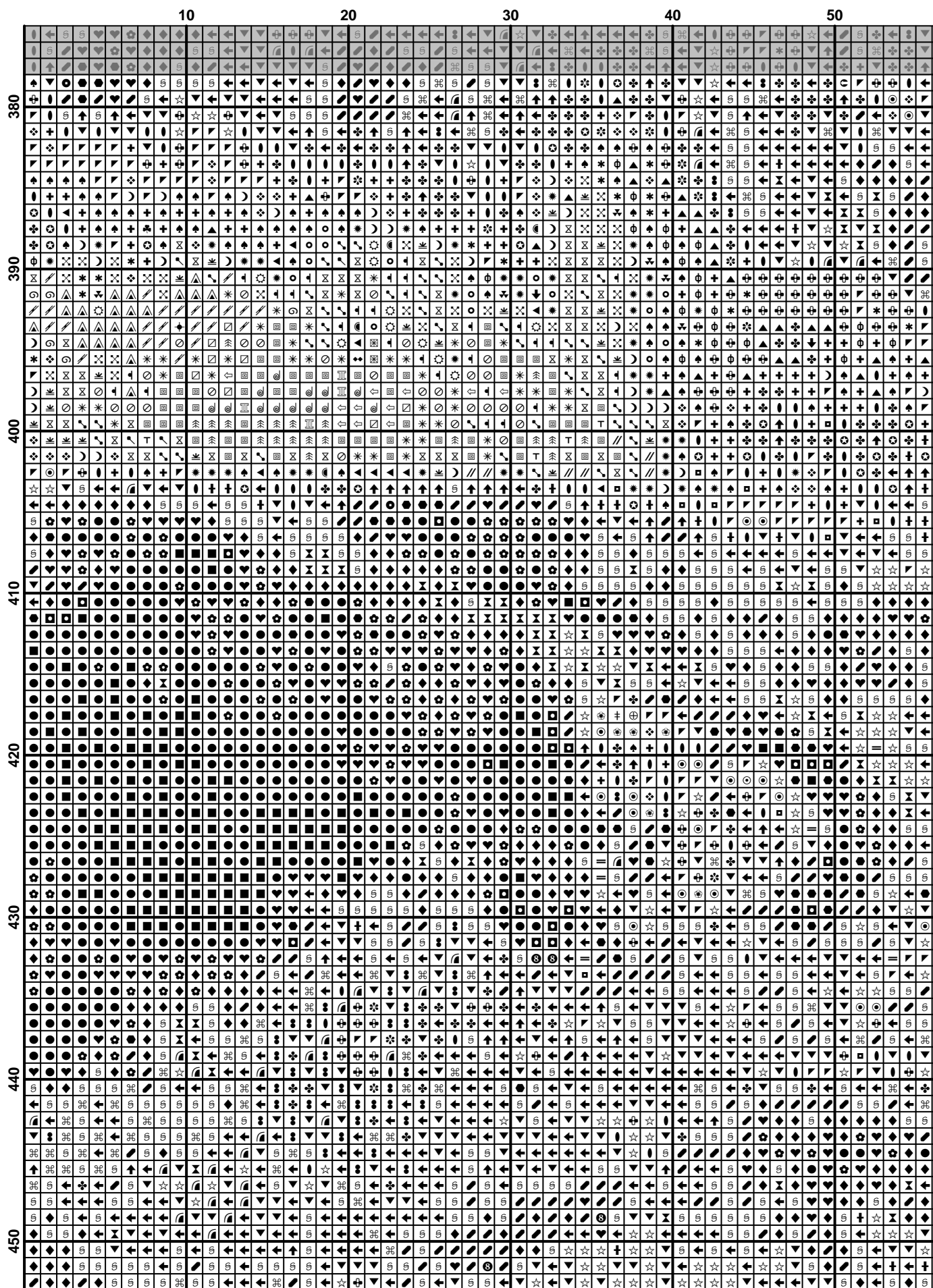


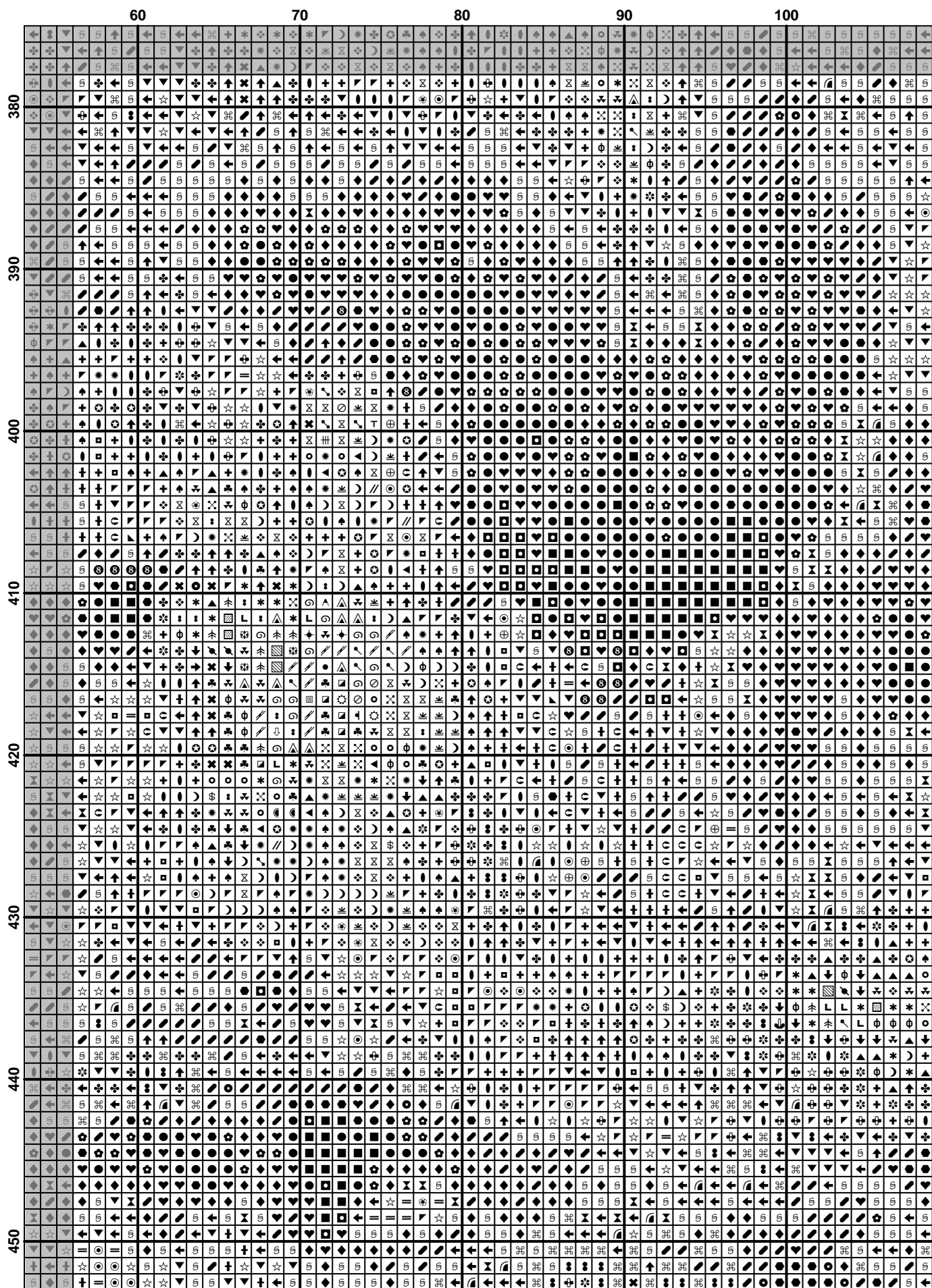












$$(81) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds$$

