

## 649 Roses De Noel



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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.

It is easiest to start in the center of the design. 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 thread 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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## Roses De Noel

Stitch Count	
Horizontal:	240
Vertical:	337

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:	44	17.03	61	23.94	38	14.9	54	20.95	34	13.25	48	18.625
Including Margins:	60	24	77	30	54	21	70	27	50	20	64	25
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	61	23.84	85	33.51	51	19.86	71	27.93	25	9.93	35	13.96
Including Margins:	77	30	101	40	67	26	87	34	41	16	51	20
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	24	9.53	34	13.4	23	9.17	32	12.89	22	8.83	31	12.41
Including Margins:	40	16	50	20	39	16	48	19	38	15	47	19
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	22	8.51	30	11.97	20	7.94	28	11.17	19	7.45	26	10.47
Including Margins:	38	15	46	18	36	14	44	18	35	14	42	17

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
⦿	224	Shell Pink-VY LT
⦿	353	Peach
⦿	356	Terra Cotta-MD
⦿	371	Mustard
⦿	407	Desert Sand-DK
⦿	413	Pewter Gray-DK
⦿	414	Steel Gray-DK
⦿	422	Hazelnut Brown-LT
⦿	436	Tan
⦿	437	Tan-LT
⦿	504	Blue Green-LT
⦿	522	Fern Green
⦿	523	Fern Green-LT
⦿	524	Fern Green-VY LT
⦿	543	Beige Brown-UL VY LT
⦿	564	Jade-VY LT
⦿	611	Drab Brown
⦿	640	Beige Gray-VY DK
⦿	642	Beige Gray-DK
⦿	644	Beige Gray-MD
⦿	647	Beaver Gray-MD
⦿	677	Old Gold-VY LT
⦿	712	Cream
⦿	727	Topaz-VY LT
⦿	729	Old Gold-MD
⦿	738	Tan-VY LT
⦿	739	Tan-UL VY LT
⦿	743	Yellow-MD
⦿	746	Off White
⦿	754	Peach-LT
⦿	758	Terra Cotta-VY LT
⦿	822	Beige Gray-LT

⦿	839	Beige Brown-DK
⦿	844	Beaver Brown-UL DK
⦿	927	Gray Green-LT
⦿	934	Black Avocado Green
⦿	945	Tawny
⦿	950	Desert Sand-LT
⦿	955	Nile Green-LT
⦿	973	Canary-BRT
⦿	977	Golden Brown-LT
⦿	3024	Brown Gray-VY LT
⦿	3031	Mocha Brown-VY DK
⦿	3046	Yellow Beige-MD
⦿	3064	Desert Sand
⦿	3078	Golden Yellow-VY LT
⦿	3346	Hunter Green
⦿	3363	Pine Green-MD
⦿	3371	Black Brown
⦿	3753	Antique Blue-UL VY LT
⦿	3756	Baby Blue-UL VY LT
⦿	3770	Tawny-VY LT
⦿	3772	Desert Sand-VY DK
⦿	3774	Desert Sand-VY LT
⦿	3779	Terra Cotta-UL VY LT
⦿	3781	Mocha Brown-DK
⦿	3787	Brown Gray-DK
⦿	3820	Straw-DK
⦿	3823	Yellow-UL Pale
⦿	3855	Autumn Gold-LT
⦿	3861	Cocoa-LT
⦿	3862	Mocha Beige-DK
⦿	3864	Mocha Beige-LT
⦿	3865	Winter White
⦿	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
⦿	3064	Desert Sand	738	Tan-VY LT
⦿	738	Tan-VY LT	950	Desert Sand-LT
⦿	3064	Desert Sand	3772	Desert Sand-VY DK
⦿	955	Nile Green-LT	504	Blue Green-LT
⦿	3772	Desert Sand-VY DK	371	Mustard
⦿	3862	Mocha Beige-DK	3772	Desert Sand-VY DK
⦿	3772	Desert Sand-VY DK	436	Tan
⦿	3862	Mocha Beige-DK	3787	Brown Gray-DK
⦿	3862	Mocha Beige-DK	839	Beige Brown-DK
⦿	371	Mustard	436	Tan
⦿	611	Drab Brown	3772	Desert Sand-VY DK
⦿	3772	Desert Sand-VY DK	3787	Brown Gray-DK
⦿	436	Tan	437	Tan-LT
⦿	3064	Desert Sand	436	Tan

☼	3064	Desert Sand	437	Tan-LT
↩	738	Tan-VY LT	3864	Mocha Beige-LT
m	738	Tan-VY LT	3855	Autumn Gold-LT
+	677	Old Gold-VY LT	754	Peach-LT
☼	3864	Mocha Beige-LT	642	Beige Gray-DK
▲	640	Beige Gray-VY DK	642	Beige Gray-DK
◆	642	Beige Gray-DK	407	Desert Sand-DK
♣	739	Tan-UL VY LT	950	Desert Sand-LT
◆	437	Tan-LT	738	Tan-VY LT
z	3046	Yellow Beige-MD	437	Tan-LT
5	3855	Autumn Gold-LT	945	Tawny
☼	3820	Straw-DK	973	Canary-BRT
♣	977	Golden Brown-LT	973	Canary-BRT
☼	3820	Straw-DK	977	Golden Brown-LT
☼	436	Tan	356	Terra Cotta-MD
Φ	3820	Straw-DK	356	Terra Cotta-MD
☆	3046	Yellow Beige-MD	524	Fern Green-VY LT
+	414	Steel Gray-DK	927	Gray Green-LT
♣	640	Beige Gray-VY DK	3787	Brown Gray-DK
▼	640	Beige Gray-VY DK	522	Fern Green
♣	522	Fern Green	523	Fern Green-LT
♣	3787	Brown Gray-DK	413	Pewter Gray-DK
♣	844	Beaver Brown-UL DK	414	Steel Gray-DK
♣	844	Beaver Brown-UL DK	3031	Mocha Brown-VY DK
e	3823	Yellow-UL Pale	822	Beige Gray-LT
☼	3778	Terra Cotta-LT	224	Shell Pink-VY LT
↑	955	Nile Green-LT	644	Beige Gray-MD
♣	644	Beige Gray-MD	414	Steel Gray-DK
✕	3787	Brown Gray-DK	844	Beaver Brown-UL DK
♣	3787	Brown Gray-DK	839	Beige Brown-DK
♣	822	Beige Gray-LT	3024	Brown Gray-VY LT
τ	3866	Mocha Brown-UL VY LT	3024	Brown Gray-VY LT
/	3770	Tawny-VY LT	353	Peach
(	3865	Winter White	3756	Baby Blue-UL VY LT
∞	3753	Antique Blue-UL VY LT	3866	Mocha Brown-UL VY LT
℥	524	Fern Green-VY LT	644	Beige Gray-MD
♣	647	Beaver Gray-MD	644	Beige Gray-MD
♣	647	Beaver Gray-MD	3861	Cocoa-LT
♣	644	Beige Gray-MD	950	Desert Sand-LT
♣	414	Steel Gray-DK	647	Beaver Gray-MD
♣	3031	Mocha Brown-VY DK	413	Pewter Gray-DK
★	955	Nile Green-LT	562	Jade-MD
➔	844	Beaver Brown-UL DK	522	Fern Green
■	3371	Black Brown	3031	Mocha Brown-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	
224	Shell Pink-VY LT	23	9	22	8	20	7
353	Peach	42	16	40	15	36	14
356	Terra Cotta-MD	29	11	28	11	25	9
371	Mustard	433	170	412	162	371	146
407	Desert Sand-DK	83	32	79	31	71	27
413	Pewter Gray-DK	162	63	154	60	139	54
414	Steel Gray-DK	148	58	141	55	127	50
422	Hazelnut Brown-LT	84	33	80	31	72	28
436	Tan	583	229	555	218	500	196
437	Tan-LT	576	226	548	215	493	194
504	Blue Green-LT	120	47	114	44	103	40
522	Fern Green	200	78	191	75	171	67
523	Fern Green-LT	75	29	72	28	64	25
524	Fern Green-VY LT	400	157	381	150	343	135
543	Beige Brown-UL VY LT	204	80	194	76	174	68
562	Jade-MD	12	4	12	4	10	3
564	Jade-VY LT	46	18	44	17	39	15
611	Drab Brown	134	52	128	50	115	45
640	Beige Gray-VY DK	377	148	359	141	323	127
642	Beige Gray-DK	353	138	336	132	302	118
644	Beige Gray-MD	2106	829	2005	789	1805	710
647	Beaver Gray-MD	341	134	325	127	292	114
677	Old Gold-VY LT	857	337	816	321	734	288
712	Cream	136	53	130	51	117	46
727	Topaz-VY LT	5	1	4	1	4	1
729	Old Gold-MD	18	7	17	6	15	5
738	Tan-VY LT	1448	570	1379	542	1241	488
739	Tan-UL VY LT	941	370	896	352	807	317
743	Yellow-MD	2	1	2	1	2	1
746	Off White	457	179	435	171	392	154
754	Peach-LT	441	173	420	165	378	148
758	Terra Cotta-VY LT	39	15	37	14	34	13
822	Beige Gray-LT	507	199	482	189	434	170
839	Beige Brown-DK	311	122	297	116	267	105
844	Beaver Brown-UL DK	427	168	407	160	366	144
927	Gray Green-LT	69	27	66	25	59	23
934	Black Avocado Green	123	48	117	46	106	41
945	Tawny	235	92	224	88	201	79
950	Desert Sand-LT	1695	667	1614	635	1453	572
955	Nile Green-LT	104	40	99	38	89	35
973	Canary-BRT	46	18	44	17	39	15
977	Golden Brown-LT	53	20	51	20	46	18
3024	Brown Gray-VY LT	509	200	484	190	436	171
3031	Mocha Brown-VY DK	381	150	363	142	326	128
3046	Yellow Beige-MD	259	101	246	96	222	87
3064	Desert Sand	418	164	398	156	358	140
3078	Golden Yellow-VY LT	292	114	278	109	251	98
3346	Hunter Green	1	1	1	1	1	1
3363	Pine Green-MD	32	12	30	11	27	10
3371	Black Brown	165	64	157	61	141	55
3753	Antique Blue-UL VY LT	49	19	47	18	42	16
3756	Baby Blue-UL VY LT	46	18	44	17	40	15
3770	Tawny-VY LT	232	91	221	87	199	78



3772	Desert Sand-VY DK	1154	454	1099	432	989	389
3774	Desert Sand-VY LT	239	94	227	89	204	80
3778	Terra Cotta-LT	9	3	8	3	7	2
3779	Terra Cotta-UL VY LT	7	2	7	2	6	2
3781	Mocha Brown-DK	26	10	24	9	22	8
3787	Brown Gray-DK	792	311	754	296	679	267
3820	Straw-DK	73	28	70	27	63	24
3823	Yellow-UL Pale	789	310	752	296	676	266
3855	Autumn Gold-LT	389	153	371	146	334	131
3861	Cocoa-LT	125	49	119	46	107	42
3862	Mocha Beige-DK	906	356	863	339	777	305
3864	Mocha Beige-LT	458	180	437	172	393	154
3865	Winter White	433	170	412	162	371	146
3866	Mocha Brown-UL VY LT	366	144	348	137	313	123
Ecrú	Ecrú	195	76	186	73	167	65

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
224	Shell Pink-VY LT	36	13	30	11	15	5
353	Peach	65	25	54	21	27	11
356	Terra Cotta-MD	45	16	38	14	19	7
371	Mustard	668	263	557	219	278	110
407	Desert Sand-DK	128	49	107	41	53	20
413	Pewter Gray-DK	250	97	209	81	104	41
414	Steel Gray-DK	229	90	191	75	95	38
422	Hazelnut Brown-LT	130	50	108	42	54	21
436	Tan	900	353	750	294	375	147
437	Tan-LT	887	349	740	291	370	146
504	Blue Green-LT	185	72	155	60	77	30
522	Fern Green	308	121	257	101	128	50
523	Fern Green-LT	115	45	96	38	48	19
524	Fern Green-VY LT	617	243	515	203	257	101
543	Beige Brown-UL VY LT	313	122	261	102	131	51
562	Jade-MD	18	5	15	5	8	2
564	Jade-VY LT	70	27	59	23	29	11
611	Drab Brown	207	81	173	68	86	34
640	Beige Gray-VY DK	581	229	485	191	242	95
642	Beige Gray-DK	544	212	453	177	227	89
644	Beige Gray-MD	3249	1278	2708	1065	1354	533
647	Beaver Gray-MD	526	205	438	171	219	86
677	Old Gold-VY LT	1321	518	1101	432	551	216
712	Cream	211	83	176	69	88	35
727	Topaz-VY LT	7	2	6	2	3	1
729	Old Gold-MD	27	9	23	8	11	4
738	Tan-VY LT	2234	878	1862	732	931	366
739	Tan-UL VY LT	1453	571	1211	476	605	238
743	Yellow-MD	4	2	3	2	2	1
746	Off White	706	277	588	231	294	116
754	Peach-LT	680	266	567	222	284	111
758	Terra Cotta-VY LT	61	23	51	20	26	10
822	Beige Gray-LT	781	306	651	255	326	128
839	Beige Brown-DK	481	189	401	158	200	79
844	Beaver Brown-UL DK	659	259	549	216	275	108
927	Gray Green-LT	106	41	89	35	44	17
934	Black Avocado Green	191	74	159	62	80	31

945	Tawny	362	142	302	119	151	59
950	Desert Sand-LT	2615	1030	2180	858	1090	429
955	Nile Green-LT	160	63	134	53	67	26
973	Canary-BRT	70	27	59	23	29	11
977	Golden Brown-LT	83	32	69	27	35	14
3024	Brown Gray-VY LT	785	308	654	257	327	128
3031	Mocha Brown-VY DK	587	230	489	192	245	96
3046	Yellow Beige-MD	400	157	333	131	167	65
3064	Desert Sand	644	252	537	210	269	105
3078	Golden Yellow-VY LT	452	176	377	147	188	74
3346	Hunter Green	2	2	2	2	1	1
3363	Pine Green-MD	49	18	41	15	20	8
3371	Black Brown	254	99	212	83	106	41
3753	Antique Blue-UL VY LT	76	29	63	24	32	12
3756	Baby Blue-UL VY LT	72	27	60	23	30	11
3770	Tawny-VY LT	358	140	299	117	149	59
3772	Desert Sand-VY DK	1780	700	1484	584	742	292
3774	Desert Sand-VY LT	367	144	306	120	153	60
3778	Terra Cotta-LT	13	4	11	3	5	2
3779	Terra Cotta-UL VY LT	11	4	9	3	5	2
3781	Mocha Brown-DK	40	14	33	12	17	6
3787	Brown Gray-DK	1222	481	1019	401	509	200
3820	Straw-DK	113	43	95	36	47	18
3823	Yellow-UL Pale	1217	479	1014	399	507	200
3855	Autumn Gold-LT	601	236	501	197	251	98
3861	Cocoa-LT	193	76	161	63	80	32
3862	Mocha Beige-DK	1399	549	1166	458	583	229
3864	Mocha Beige-LT	707	277	590	231	295	116
3865	Winter White	668	263	557	219	278	110
3866	Mocha Brown-UL VY LT	563	221	470	185	235	92
Ecru	Ecru	301	117	251	98	125	49

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
224	Shell Pink-VY LT	14	5	14	5	13	5
353	Peach	26	10	25	10	24	9
356	Terra Cotta-MD	18	6	17	6	17	6
371	Mustard	267	105	257	101	247	97
407	Desert Sand-DK	51	19	49	19	47	18
413	Pewter Gray-DK	100	39	96	37	93	36
414	Steel Gray-DK	91	36	88	35	85	33
422	Hazelnut Brown-LT	52	20	50	19	48	19
436	Tan	360	141	346	136	333	131
437	Tan-LT	355	140	341	134	329	129
504	Blue Green-LT	74	29	71	28	69	27
522	Fern Green	123	48	118	46	114	45
523	Fern Green-LT	46	18	44	17	43	17
524	Fern Green-VY LT	247	97	237	93	229	90
543	Beige Brown-UL VY LT	125	49	120	47	116	45
562	Jade-MD	7	2	7	2	7	2
564	Jade-VY LT	28	11	27	10	26	10
611	Drab Brown	83	32	80	31	77	30
640	Beige Gray-VY DK	233	91	224	88	215	85
642	Beige Gray-DK	217	85	209	82	201	79
644	Beige Gray-MD	1300	511	1250	492	1203	473



647	Beaver Gray-MD	210	82	202	79	195	76
677	Old Gold-VY LT	528	207	508	199	489	192
712	Cream	84	33	81	32	78	31
727	Topaz-VY LT	3	1	3	1	3	1
729	Old Gold-MD	11	4	10	3	10	3
738	Tan-VY LT	894	351	859	338	827	325
739	Tan-UL VY LT	581	228	559	219	538	211
743	Yellow-MD	1	1	1	1	1	1
746	Off White	282	111	271	107	261	103
754	Peach-LT	272	107	262	102	252	99
758	Terra Cotta-VY LT	24	9	24	9	23	9
822	Beige Gray-LT	312	122	300	118	289	113
839	Beige Brown-DK	192	76	185	73	178	70
844	Beaver Brown-UL DK	264	104	253	100	244	96
927	Gray Green-LT	42	17	41	16	39	15
934	Black Avocado Green	76	30	73	28	71	27
945	Tawny	145	57	139	55	134	53
950	Desert Sand-LT	1046	412	1006	396	969	381
955	Nile Green-LT	64	25	62	24	59	23
973	Canary-BRT	28	11	27	10	26	10
977	Golden Brown-LT	33	13	32	12	31	12
3024	Brown Gray-VY LT	314	123	302	118	291	114
3031	Mocha Brown-VY DK	235	92	226	89	217	85
3046	Yellow Beige-MD	160	63	154	60	148	58
3064	Desert Sand	258	101	248	97	239	93
3078	Golden Yellow-VY LT	181	71	174	68	167	65
3346	Hunter Green	1	1	1	1	1	1
3363	Pine Green-MD	19	7	19	7	18	7
3371	Black Brown	102	40	98	38	94	37
3753	Antique Blue-UL VY LT	30	12	29	11	28	11
3756	Baby Blue-UL VY LT	29	11	28	10	27	10
3770	Tawny-VY LT	143	56	138	54	133	52
3772	Desert Sand-VY DK	712	280	685	269	659	259
3774	Desert Sand-VY LT	147	58	141	55	136	53
3778	Terra Cotta-LT	5	1	5	1	5	1
3779	Terra Cotta-UL VY LT	4	1	4	1	4	1
3781	Mocha Brown-DK	16	6	15	6	15	5
3787	Brown Gray-DK	489	192	470	185	453	178
3820	Straw-DK	45	17	44	17	42	16
3823	Yellow-UL Pale	487	192	468	184	451	177
3855	Autumn Gold-LT	240	94	231	91	223	87
3861	Cocoa-LT	77	30	74	29	71	28
3862	Mocha Beige-DK	559	220	538	211	518	203
3864	Mocha Beige-LT	283	111	272	107	262	103
3865	Winter White	267	105	257	101	247	97
3866	Mocha Brown-UL VY LT	225	89	217	85	209	82
Ecu	Ecu	120	47	116	45	111	43

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
224	Shell Pink-VY LT	13	5	12	4	11	4
353	Peach	23	9	22	8	20	8
356	Terra Cotta-MD	16	6	15	5	14	5
371	Mustard	239	94	223	88	209	82
407	Desert Sand-DK	46	17	43	16	40	15
413	Pewter Gray-DK	89	35	83	32	78	30

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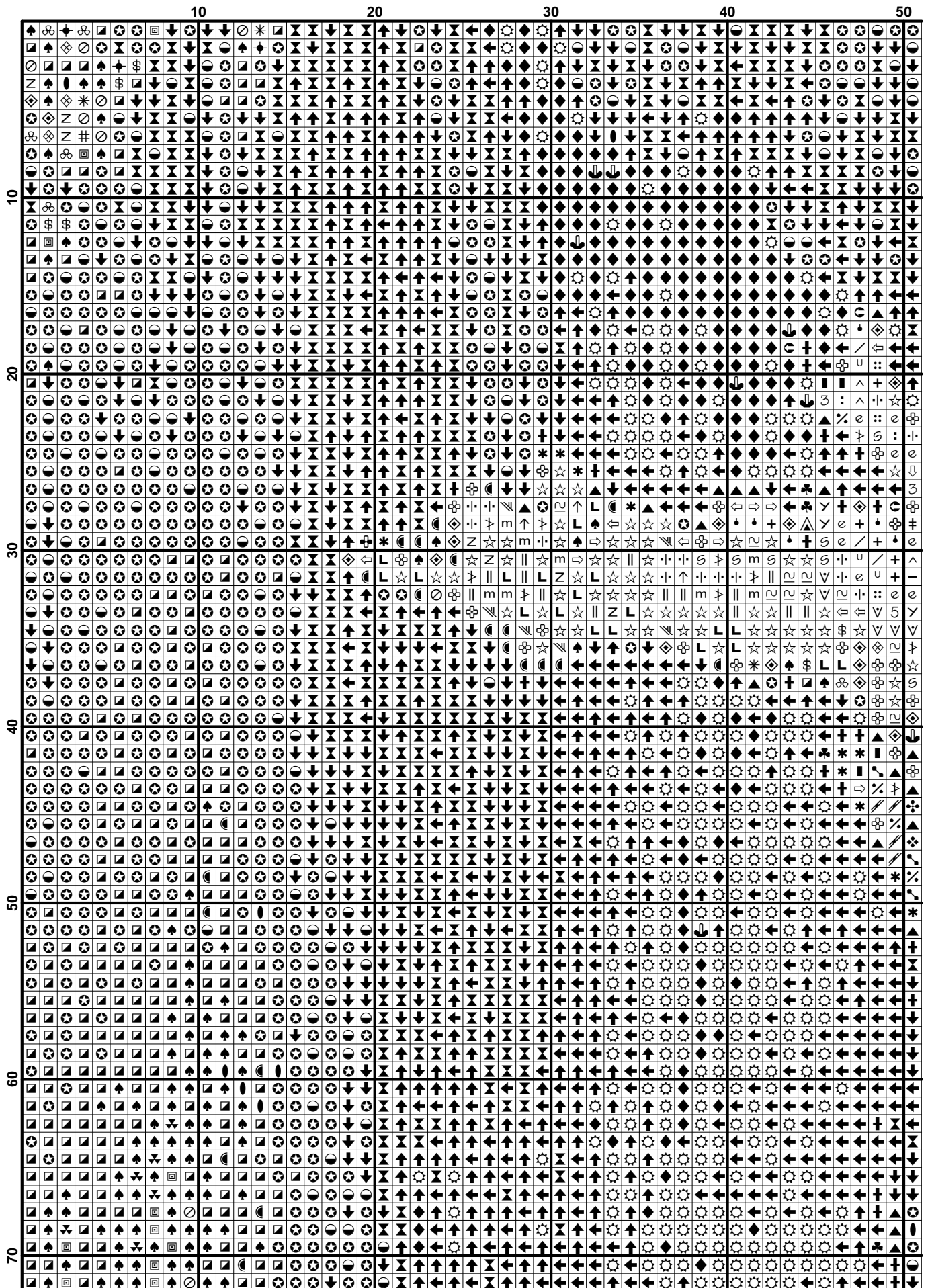
414	Steel Gray-DK	82	32	76	30	71	28
422	Hazelnut Brown-LT	46	18	43	17	41	16
436	Tan	321	126	300	118	281	110
437	Tan-LT	317	125	296	116	277	109
504	Blue Green-LT	66	26	62	24	58	23
522	Fern Green	110	43	103	40	96	38
523	Fern Green-LT	41	16	38	15	36	14
524	Fern Green-VY LT	221	87	206	81	193	76
543	Beige Brown-UL VY LT	112	44	104	41	98	38
562	Jade-MD	6	2	6	2	6	2
564	Jade-VY LT	25	10	23	9	22	8
611	Drab Brown	74	29	69	27	65	25
640	Beige Gray-VY DK	208	82	194	76	182	71
642	Beige Gray-DK	194	76	181	71	170	66
644	Beige Gray-MD	1160	456	1083	426	1015	399
647	Beaver Gray-MD	188	73	175	68	164	64
677	Old Gold-VY LT	472	185	440	173	413	162
712	Cream	75	30	70	28	66	26
727	Topaz-VY LT	3	1	2	1	2	1
729	Old Gold-MD	10	3	9	3	8	3
738	Tan-VY LT	798	314	745	293	698	275
739	Tan-UL VY LT	519	204	484	190	454	178
743	Yellow-MD	1	1	1	1	1	1
746	Off White	252	99	235	92	221	87
754	Peach-LT	243	95	227	89	213	83
758	Terra Cotta-VY LT	22	8	20	8	19	7
822	Beige Gray-LT	279	109	260	102	244	96
839	Beige Brown-DK	172	68	160	63	150	59
844	Beaver Brown-UL DK	235	93	220	86	206	81
927	Gray Green-LT	38	15	35	14	33	13
934	Black Avocado Green	68	26	64	25	60	23
945	Tawny	129	51	121	47	113	44
950	Desert Sand-LT	934	368	872	343	817	322
955	Nile Green-LT	57	23	53	21	50	20
973	Canary-BRT	25	10	23	9	22	8
977	Golden Brown-LT	30	12	28	11	26	10
3024	Brown Gray-VY LT	280	110	262	103	245	96
3031	Mocha Brown-VY DK	210	82	196	77	183	72
3046	Yellow Beige-MD	143	56	133	52	125	49
3064	Desert Sand	230	90	215	84	201	79
3078	Golden Yellow-VY LT	161	63	151	59	141	55
3346	Hunter Green	1	1	1	1	1	1
3363	Pine Green-MD	17	6	16	6	15	6
3371	Black Brown	91	35	85	33	79	31
3753	Antique Blue-UL VY LT	27	10	25	10	24	9
3756	Baby Blue-UL VY LT	26	10	24	9	23	8
3770	Tawny-VY LT	128	50	119	47	112	44
3772	Desert Sand-VY DK	636	250	593	233	556	219
3774	Desert Sand-VY LT	131	51	122	48	115	45
3778	Terra Cotta-LT	5	1	4	1	4	1
3779	Terra Cotta-UL VY LT	4	1	4	1	3	1
3781	Mocha Brown-DK	14	5	13	5	12	5
3787	Brown Gray-DK	437	172	407	160	382	150
3820	Straw-DK	41	15	38	14	35	14
3823	Yellow-UL Pale	435	171	406	160	380	150
3855	Autumn Gold-LT	215	84	200	79	188	74
3861	Cocoa-LT	69	27	64	25	60	24
3862	Mocha Beige-DK	500	196	466	183	437	172
3864	Mocha Beige-LT	253	99	236	92	221	87

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3865	Winter White	239	94	223	88	209	82
3866	Mocha Brown-UL VY LT	201	79	188	74	176	69
Ecrú	Ecrú	107	42	100	39	94	37



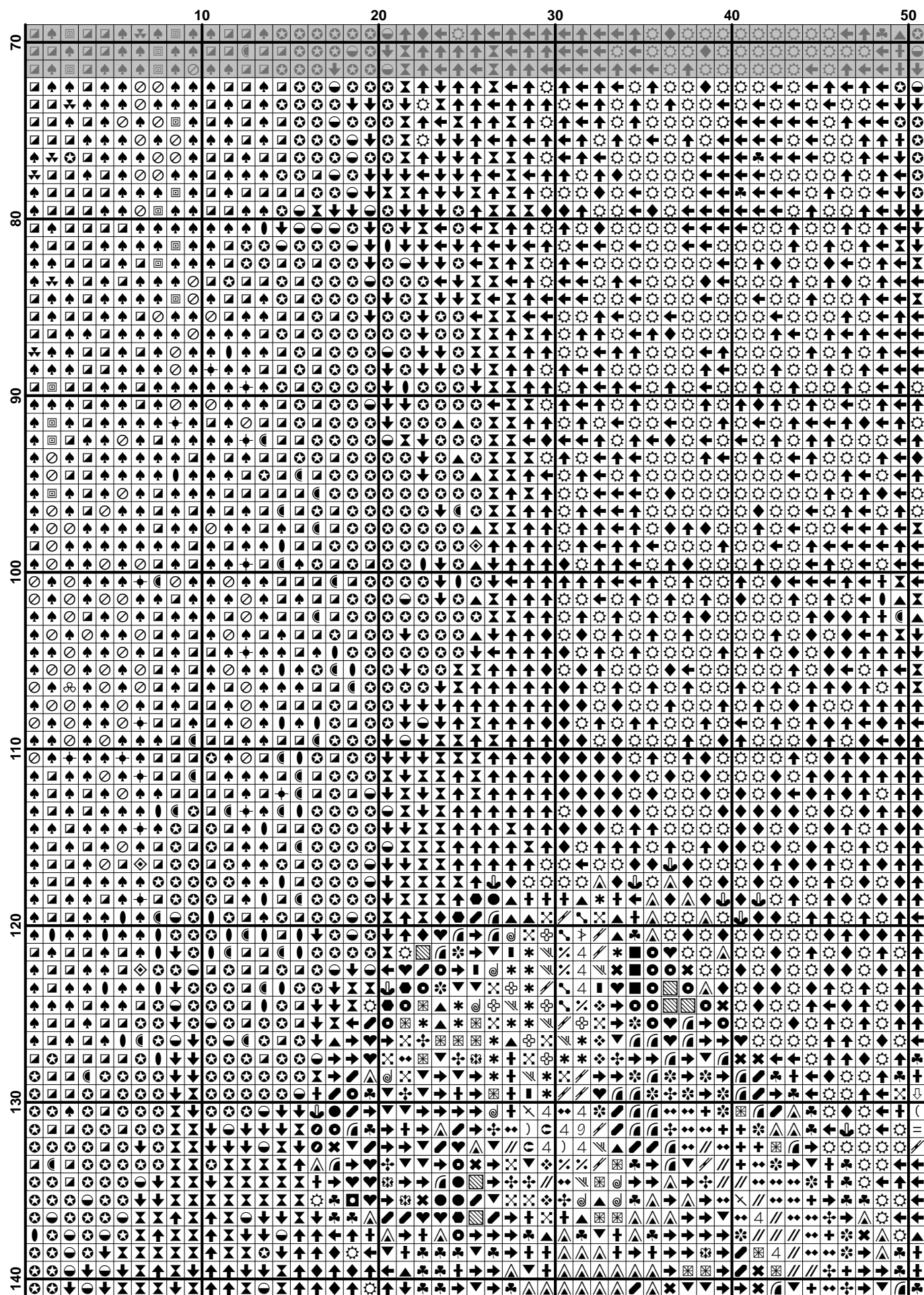


	100	110	120	130	140
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70	...	...	...	...	...



(10)

(10)



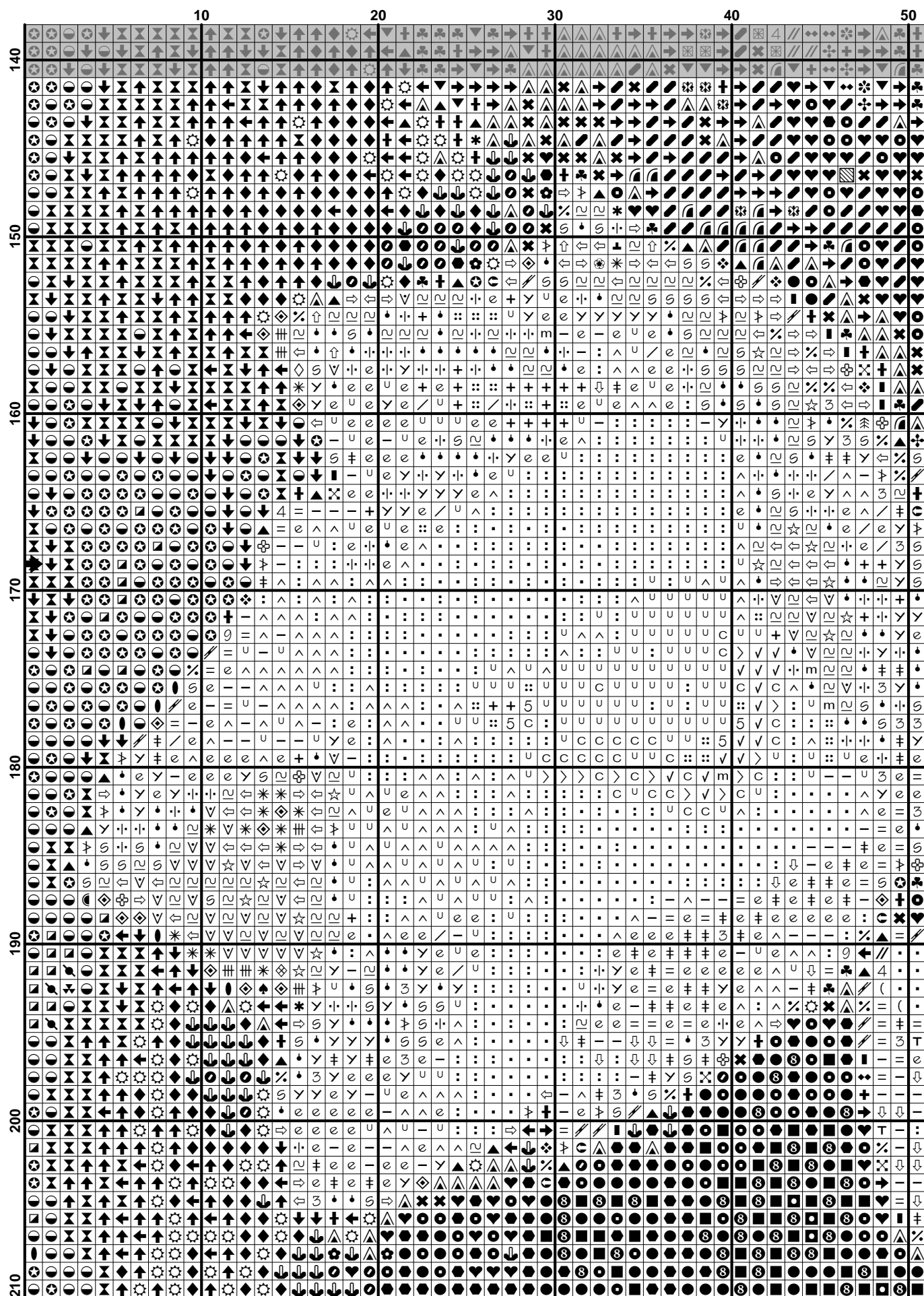
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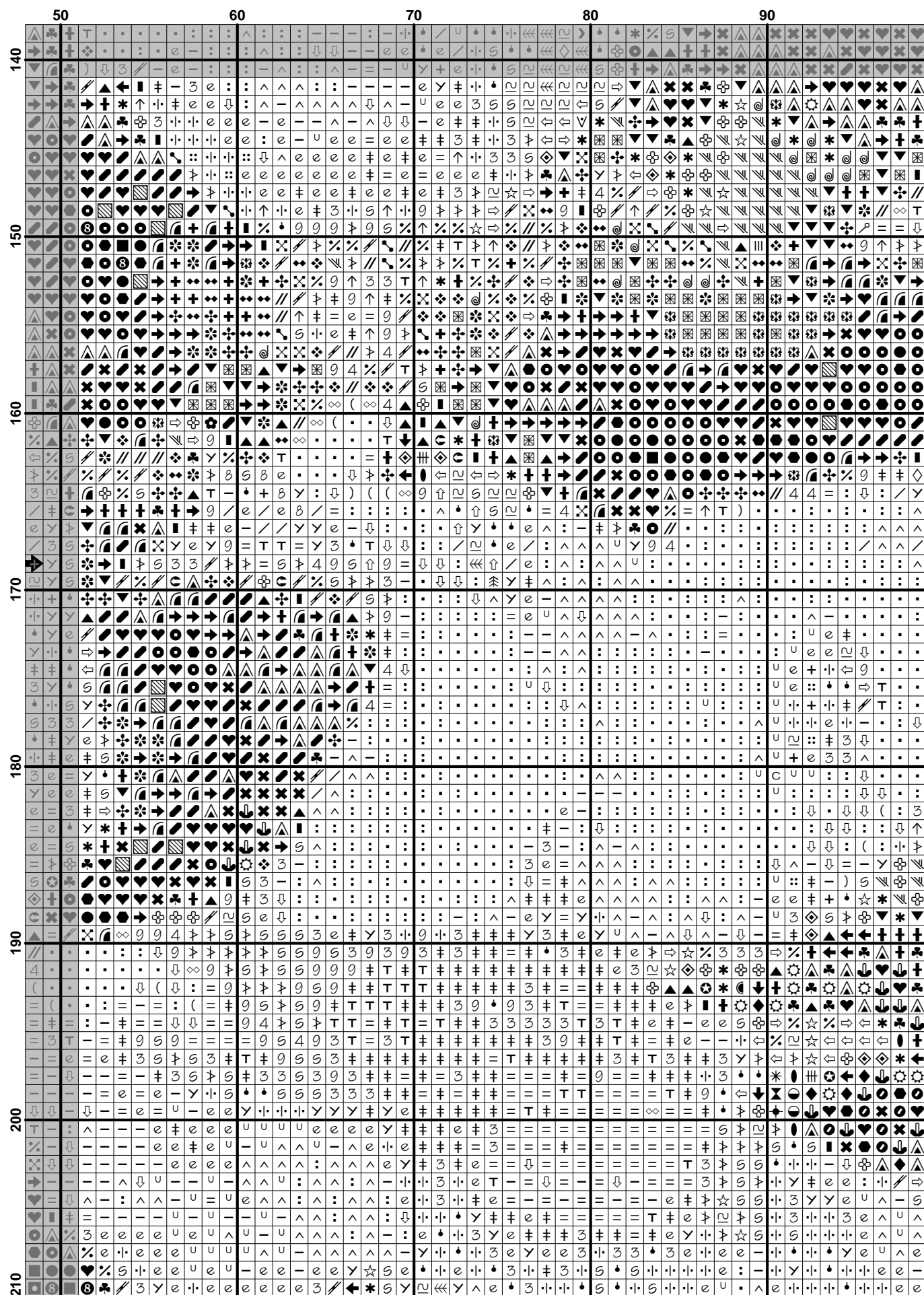
$$(13) \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

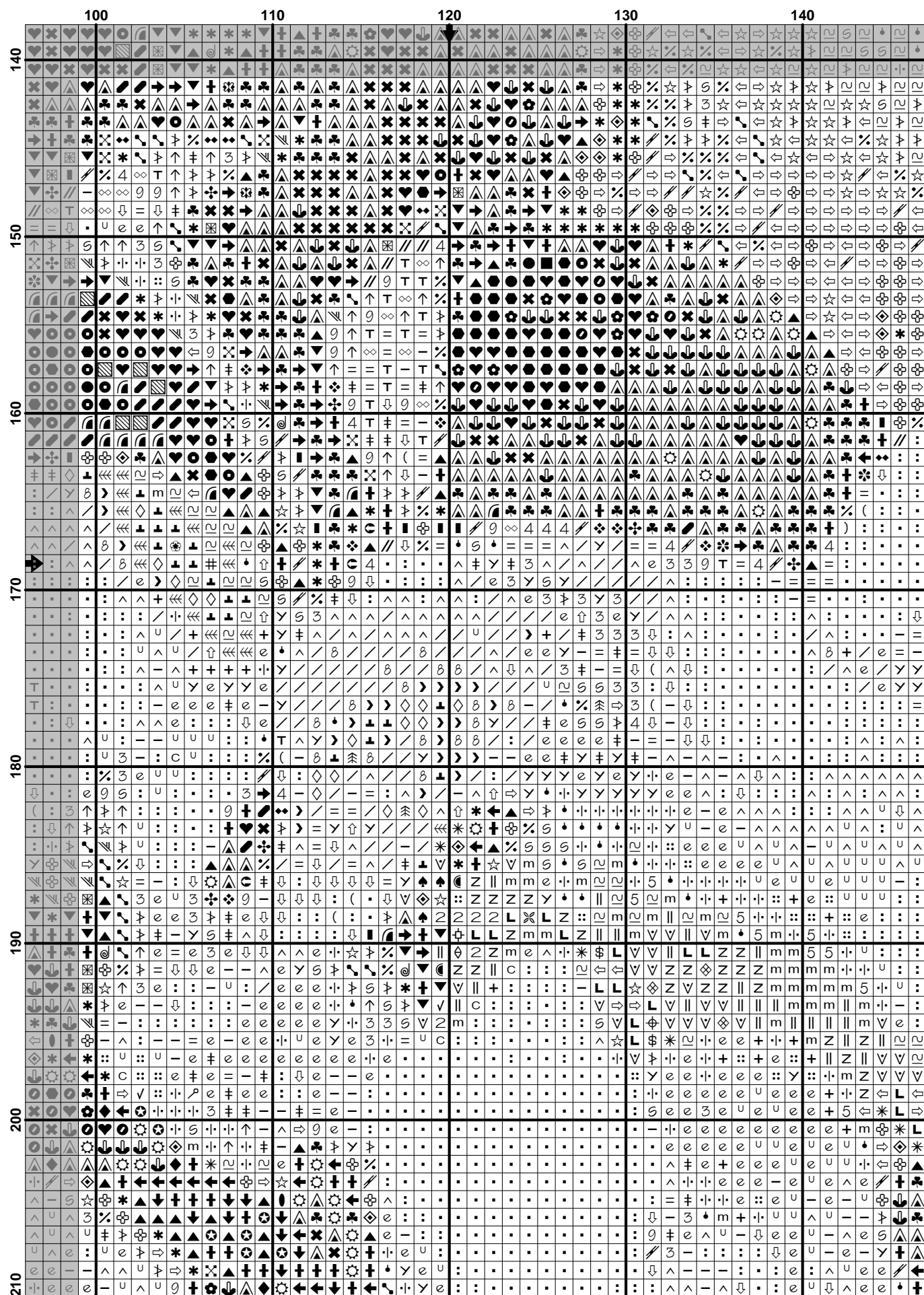
$$(14) \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$



(15)



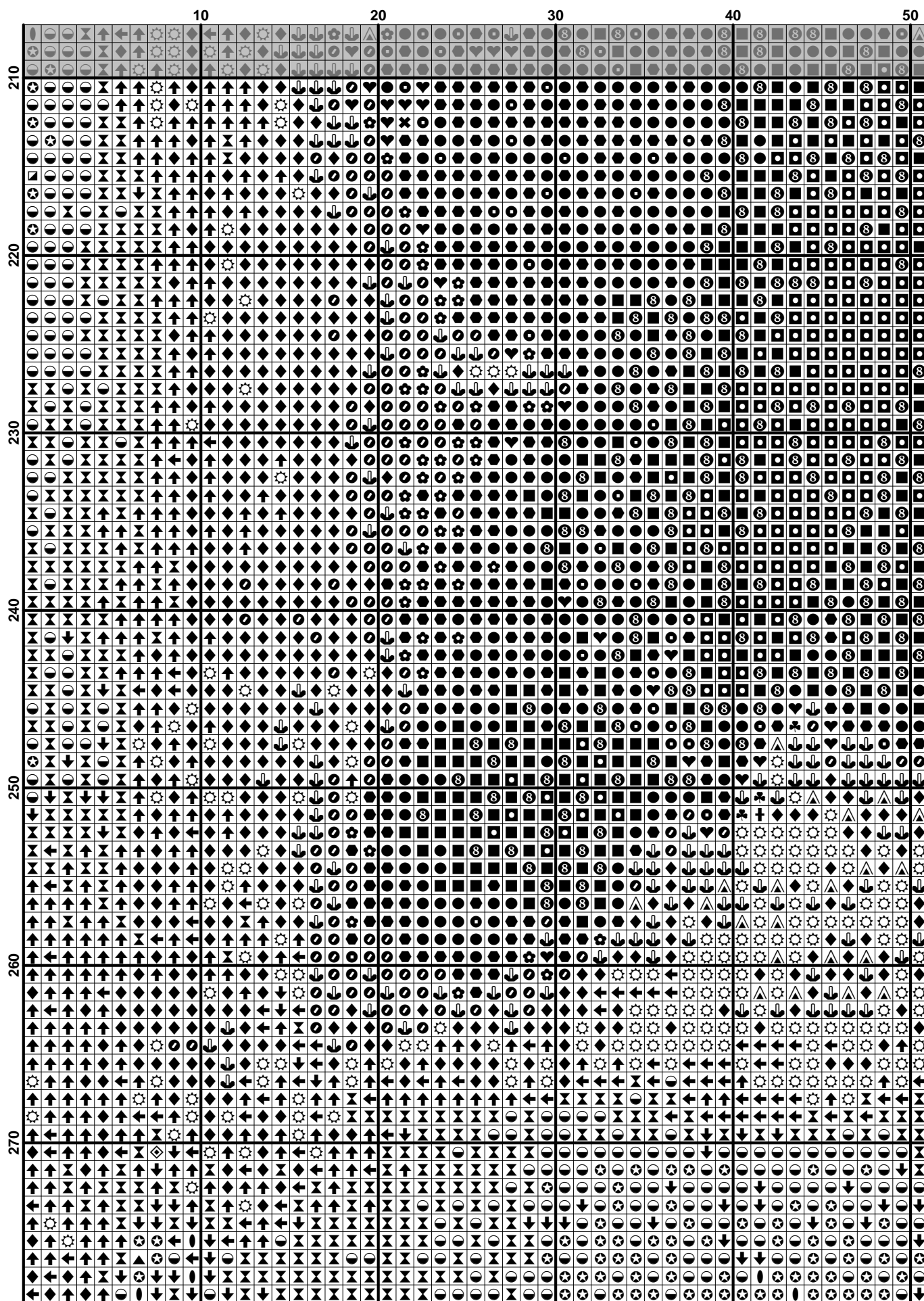




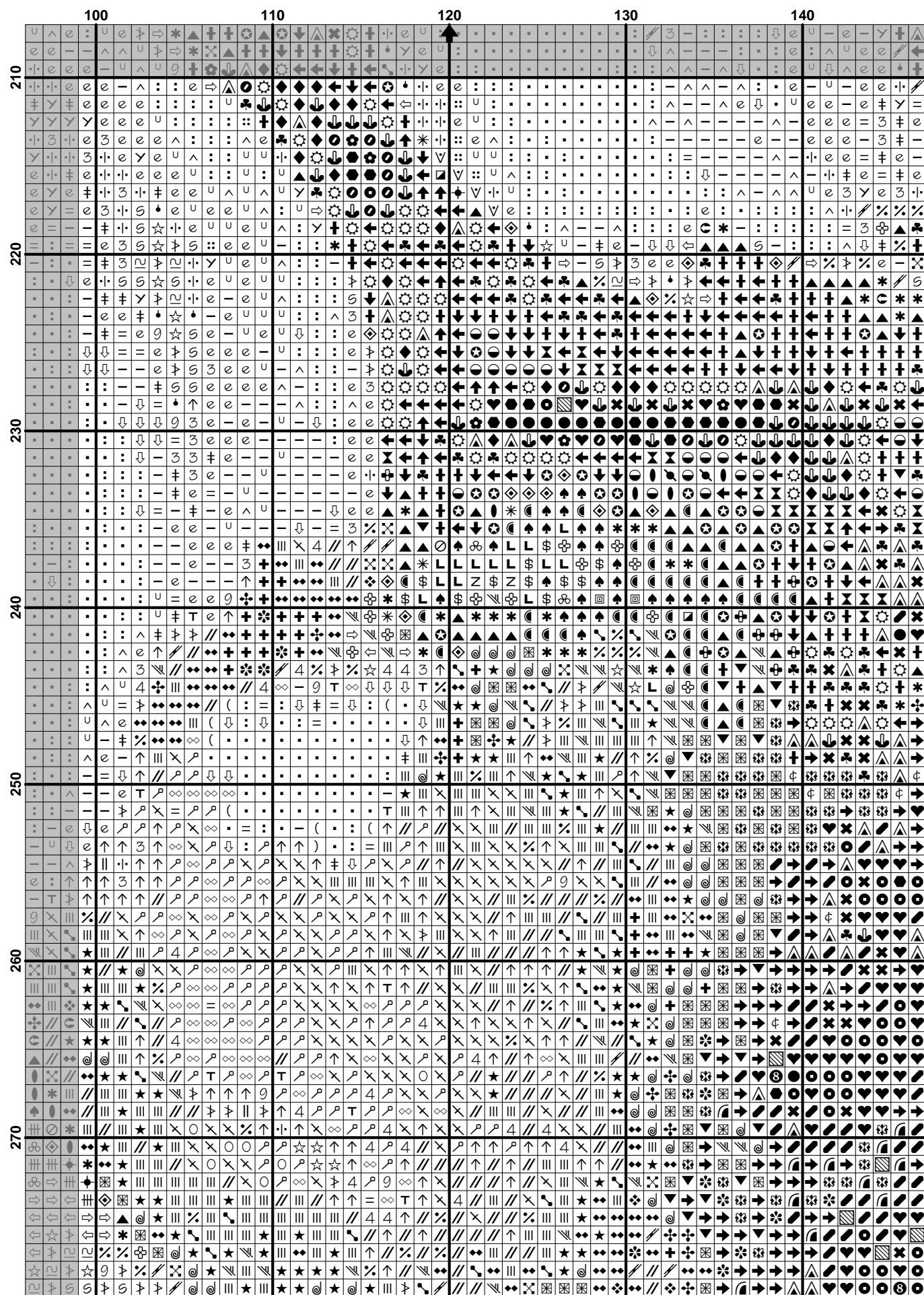
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150	♠	♠	♠	♠	♠
160	♠	♠	♠	♠	♠
170	♠	♠	♠	♠	♠
180	♠	♠	♠	♠	♠
190	♠	♠	♠	♠	♠
200	♠	♠	♠	♠	♠
210	♠	♠	♠	♠	♠

(20)



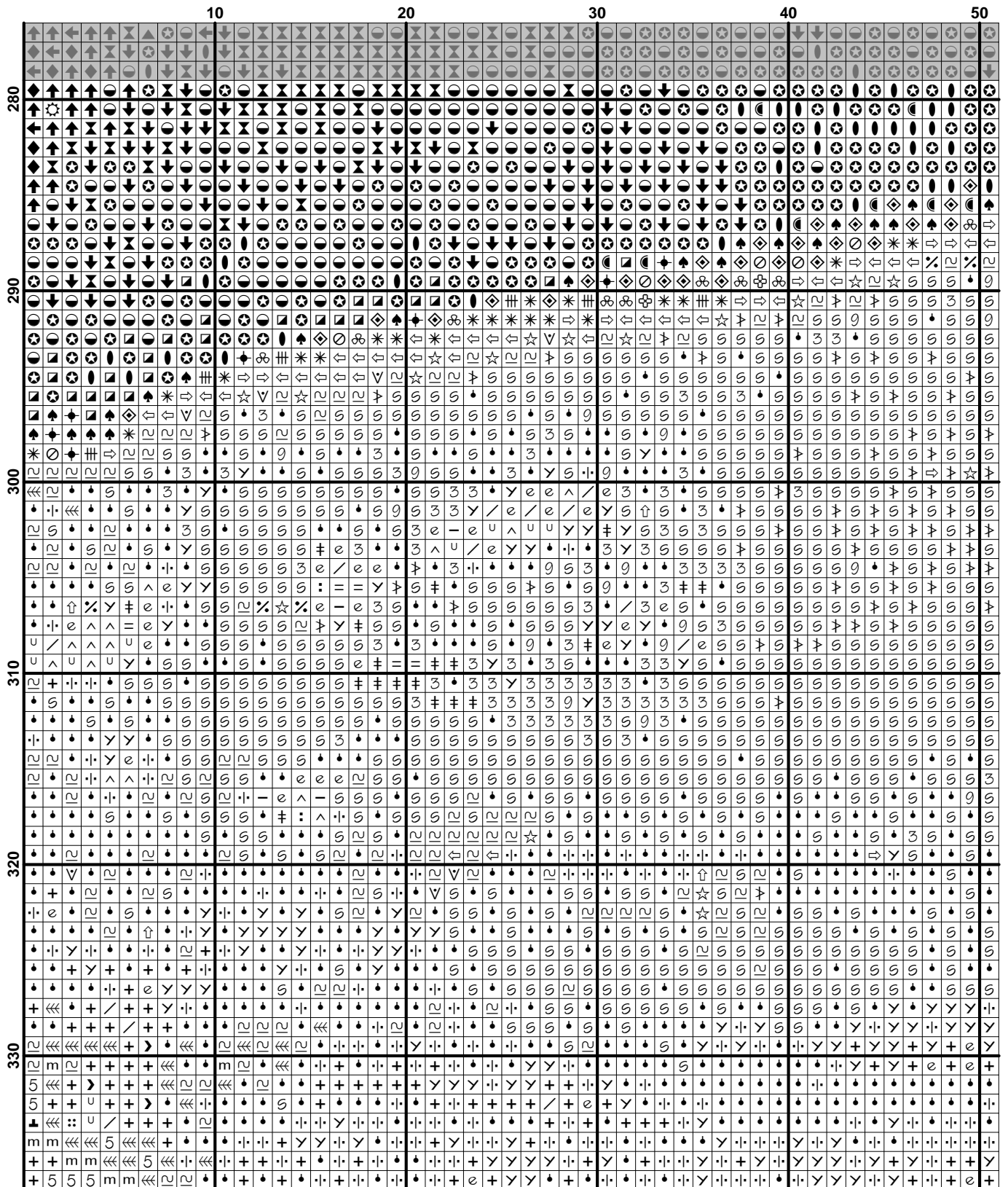






[illegible]

(25)





	50	60	70	80	90
280	♠	♠	♠	♠	♠
290	♠	♠	♠	♠	♠
300	♠	♠	♠	♠	♠
310	♠	♠	♠	♠	♠
320	♠	♠	♠	♠	♠
330	♠	♠	♠	♠	♠
340	♠	♠	♠	♠	♠
350	♠	♠	♠	♠	♠
360	♠	♠	♠	♠	♠
370	♠	♠	♠	♠	♠
380	♠	♠	♠	♠	♠
390	♠	♠	♠	♠	♠
400	♠	♠	♠	♠	♠
410	♠	♠	♠	♠	♠
420	♠	♠	♠	♠	♠
430	♠	♠	♠	♠	♠
440	♠	♠	♠	♠	♠
450	♠	♠	♠	♠	♠
460	♠	♠	♠	♠	♠
470	♠	♠	♠	♠	♠
480	♠	♠	♠	♠	♠
490	♠	♠	♠	♠	♠
500	♠	♠	♠	♠	♠
510	♠	♠	♠	♠	♠
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820	♠	♠	♠	♠	♠
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860	♠	♠	♠	♠	♠
870	♠	♠	♠	♠	♠
880	♠	♠	♠	♠	♠
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900	♠	♠	♠	♠	♠
910	♠	♠	♠	♠	♠
920	♠	♠	♠	♠	♠
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940	♠	♠	♠	♠	♠
950	♠	♠	♠	♠	♠
960	♠	♠	♠	♠	♠
970	♠	♠	♠	♠	♠
980	♠	♠	♠	♠	♠
990	♠	♠	♠	♠	♠
1000	♠	♠	♠	♠	♠

