

565 A Cool Retreat



This pattern may not be copied, sold or in any other way handled in any way that violates the international copyright laws. If you get hold of this pattern (and or this document) in any other way than via a direct download from www.goldenkite.com or via a mail from us, you should report that to us at legal_actions@goldenkite.com .

Copyright ? 2003-, Golden Kite. All rights reserved.

Copyright ? 2003-, Golden Kite (Golden K.)
Internet: www.goldenkite.com

e-mail: info@goldenkite.com

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.

When you start using this product you agree that Golden Kite (Golden K), or any people working for or in association with Golden Kite (Golden K), cannot be set responsible for any physical, mental, economical or other type of damage caused by this product (including this document, pattern, threads, needles and any other parts received by you from Golden Kite (Golden K)).

This pattern may not be copied, sold or in any other way handled in any way that violates the international copyright laws. If you get hold of this pattern (and or this document) in any other way than via a direct download from www.goldenkite.com or via a mail from us, you should report that to us at legal_actions@goldenkite.com .

A Cool Retreat

Stitch Count	
Horizontal:	299
Vertical:	194

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:	54	21.21	36	13.82	48	18.56	31	12.09	42	16.5	28	10.75
Including Margins:	70	28	52	20	64	25	47	19	58	23	44	17
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	75	29.69	50	19.34	63	24.74	42	16.12	31	12.37	21	8.06
Including Margins:	91	36	66	26	79	31	58	23	47	19	37	15
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	30	11.87	20	7.73	29	11.42	19	7.44	28	10.99	18	7.16
Including Margins:	46	18	36	14	45	18	35	14	44	17	34	14
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	27	10.6	18	6.91	25	9.89	16	6.44	23	9.27	15	6.04
Including Margins:	43	17	34	13	41	16	32	13	39	16	31	13

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
	224	Shell Pink-VY LT
	300	Mahogany-VY DK
	317	Pewter Gray
	318	Steel Gray-LT
	355	Terra Cotta-DK
	356	Terra Cotta-MD
	369	Pistachio Green-VY LT
	370	Mustard-MD
	371	Mustard
	372	Mustard-LT
	407	Desert Sand-DK
	413	Pewter Gray-DK
	415	Pearl Gray
	420	Hazelnut Brown-DK
	422	Hazelnut Brown-LT
	437	Tan-LT
	503	Blue Green-MD
	524	Fern Green-VY LT
	535	Ash Gray-VY LT
	543	Beige Brown-UL VY LT
	610	Drab Brown-DK
	611	Drab Brown
	612	Drab Brown-LT
	613	Drab Brown-VY LT
	632	Desert Sand-UL VY DK
	644	Beige Gray-MD
	645	Beaver Gray-VY DK
	647	Beaver Gray-MD
	730	Olive Green-VY DK
	731	Olive Green-DK
	738	Tan-VY LT
	758	Terra Cotta-VY LT
	762	Pearl Gray-VY LT
	780	Topaz-UL VY DK
	806	Peacock Blue-DK
	807	Peacock Blue
	813	Blue-LT
	822	Beige Gray-LT
	828	Blue-UL VY LT
	831	Golden Olive-MD
	832	Golden Olive
	839	Beige Brown-DK
	898	Coffee Brown-VY DK
	920	Copper-MD
	924	Gray Green--VY DK
	926	Gray Green-MD
	927	Gray Green-LT
	928	Gray Green-VY LT
	934	Black Avocado Green
	935	Avocado Green-DK
	937	Avocado Green-MD

	938	Coffee Brown-UL DK
	945	Tawny
	950	Desert Sand-LT
	975	Golden Brown-DK
	987	Forest Green-DK
	3011	Khaki Green-DK
	3012	Khaki Green-MD
	3021	Brown Gray-VY DK
	3022	Brown Gray-MD
	3024	Brown Gray-VY LT
	3032	Mocha Brown-MD
	3033	Mocha Brown-VY LT
	3041	Antique Violet-MD
	3042	Antique Violet-LT
	3045	Yellow Beige-DK
	3052	Green Gray-MD
	3072	Beaver Gray-VY LT
	3346	Hunter Green
	3347	Yellow Green-MD
	3362	Pine Green-DK
	3363	Pine Green-MD
	3364	Pine Green
	3371	Black Brown
	3721	Shell Pink-DK
	3726	Antique Mauve-DK
	3740	Antique Violet-DK
	3755	Baby Blue
	3756	Baby Blue-UL VY LT
	3768	Gray Green-DK
	3772	Desert Sand-VY DK
	3773	Desert Sand-MD
	3776	Mahogany-LT
	3778	Terra Cotta-LT
	3781	Mocha Brown-DK
	3782	Mocha Brown-LT
	3787	Brown Gray-DK
	3790	Beige Gray-UL DK
	3799	Pewter Gray-VY DK
	3802	Antique Mauve-VY DK
	3810	Turquoise-DK
	3811	Turquoise-VY LT
	3828	Hazelnut Brown
	3829	Old Gold-VY DK
	3830	Terra Cotta-MD
	3834	Grape-DK
	3835	Grape-MD
	3836	Grape-LT
	3848	Teal Green-MD
	3849	Teal Green-LT
	3859	Rosewood-LT
	3860	Cocoa
	3861	Cocoa-LT
	3862	Mocha Beige-DK
	3866	Mocha Brown-UL VY LT

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

Symbol	DMC1	Name1	DMC2	Name2
Ⓢ	310	Black	3031	Mocha Brown-VY DK
m	758	Terra Cotta-VY LT	3778	Terra Cotta-LT
*	3778	Terra Cotta-LT	356	Terra Cotta-MD
←	300	Mahogany-VY DK	975	Golden Brown-DK
×	524	Fern Green-VY LT	647	Beaver Gray-MD
▤	413	Pewter Gray-DK	924	Gray Green--VY DK
♦♦	3052	Green Gray-MD	926	Gray Green-MD
⊗	831	Golden Olive-MD	975	Golden Brown-DK
☼	938	Coffee Brown-UL DK	300	Mahogany-VY DK
≡	611	Drab Brown	3790	Beige Gray-UL DK
○	3862	Mocha Beige-DK	831	Golden Olive-MD
◆	3781	Mocha Brown-DK	898	Coffee Brown-VY DK
■	3371	Black Brown	938	Coffee Brown-UL DK
◐	3346	Hunter Green	937	Avocado Green-MD
→	937	Avocado Green-MD	3021	Brown Gray-VY DK
*	3346	Hunter Green	3011	Khaki Green-DK
↓	839	Beige Brown-DK	975	Golden Brown-DK
⊠	372	Mustard-LT	612	Drab Brown-LT
○	422	Hazelnut Brown-LT	372	Mustard-LT
↑	3045	Yellow Beige-DK	422	Hazelnut Brown-LT
↓	924	Gray Green--VY DK	3799	Pewter Gray-VY DK
«	3866	Mocha Brown-UL VY LT	3756	Baby Blue-UL VY LT
●	934	Black Avocado Green	3799	Pewter Gray-VY DK
▤	317	Pewter Gray	3768	Gray Green-DK
ℙ	738	Tan-VY LT	758	Terra Cotta-VY LT
∅	3773	Desert Sand-MD	758	Terra Cotta-VY LT
⊕	370	Mustard-MD	3772	Desert Sand-VY DK
\$	420	Hazelnut Brown-DK	407	Desert Sand-DK
=	738	Tan-VY LT	945	Tawny
c	945	Tawny	543	Beige Brown-UL VY LT
›	437	Tan-LT	3773	Desert Sand-MD
√	224	Shell Pink-VY LT	945	Tawny
≈	3778	Terra Cotta-LT	3773	Desert Sand-MD
●	3830	Terra Cotta-MD	3776	Mahogany-LT
⦿	355	Terra Cotta-DK	221	Shell Pink-VY DK
∅	414	Steel Gray-DK	3835	Grape-MD
†	318	Steel Gray-LT	3836	Grape-LT
∅	318	Steel Gray-LT	415	Pearl Gray
⊗	414	Steel Gray-DK	3836	Grape-LT
⊠	3835	Grape-MD	3836	Grape-LT
†	3787	Brown Gray-DK	839	Beige 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	
221	Shell Pink-VY DK	19	7	18	7	17	6
223	Shell Pink-LT	28	11	26	10	24	9
224	Shell Pink-VY LT	98	38	93	36	84	33
300	Mahogany-VY DK	80	31	77	30	69	27
310	Black	65	25	62	24	56	22
317	Pewter Gray	21	8	20	7	18	7
318	Steel Gray-LT	63	24	60	23	54	21
355	Terra Cotta-DK	46	18	44	17	40	15
356	Terra Cotta-MD	186	73	178	70	160	62
369	Pistachio Green-VY LT	54	21	51	20	46	18
370	Mustard-MD	131	51	125	49	112	44
371	Mustard	434	170	413	162	372	146
372	Mustard-LT	633	249	603	237	543	213
407	Desert Sand-DK	107	42	102	40	91	35
413	Pewter Gray-DK	154	60	147	57	132	51
414	Steel Gray-DK	73	28	69	27	62	24
415	Pearl Gray	28	11	27	10	24	9
420	Hazelnut Brown-DK	67	26	64	25	58	22
422	Hazelnut Brown-LT	132	51	126	49	113	44
437	Tan-LT	28	11	27	10	24	9
503	Blue Green-MD	14	5	13	5	12	4
524	Fern Green-VY LT	350	137	333	131	300	118
535	Ash Gray-VY LT	38	14	36	14	33	12
543	Beige Brown-UL VY LT	96	37	91	35	82	32
610	Drab Brown-DK	163	64	155	61	140	55
611	Drab Brown	524	206	499	196	449	176
612	Drab Brown-LT	644	253	614	241	552	217
613	Drab Brown-VY LT	130	51	123	48	111	43
632	Desert Sand-UL VY DK	47	18	45	17	41	16
644	Beige Gray-MD	314	123	299	117	269	105
645	Beaver Gray-VY DK	52	20	50	19	45	17
647	Beaver Gray-MD	184	72	176	69	158	62
730	Olive Green-VY DK	338	133	322	126	290	114
731	Olive Green-DK	134	52	127	50	115	45
738	Tan-VY LT	94	37	90	35	81	31
758	Terra Cotta-VY LT	244	96	233	91	209	82
762	Pearl Gray-VY LT	119	46	113	44	102	40
780	Topaz-UL VY DK	39	15	37	14	33	12
806	Peacock Blue-DK	2	1	2	1	2	1
807	Peacock Blue	5	1	4	1	4	1
813	Blue-LT	1	1	1	1	1	1
822	Beige Gray-LT	67	26	64	25	57	22
828	Blue-UL VY LT	18	7	17	6	15	5
831	Golden Olive-MD	301	118	287	112	258	101
832	Golden Olive	87	34	83	32	74	29
839	Beige Brown-DK	147	57	140	55	126	49
898	Coffee Brown-VY DK	238	93	227	89	204	80
920	Copper-MD	27	10	25	9	23	9
924	Gray Green--VY DK	183	72	174	68	157	61
926	Gray Green-MD	37	14	35	13	31	12
927	Gray Green-LT	40	15	38	14	34	13
928	Gray Green-VY LT	101	39	96	37	86	33
934	Black Avocado Green	114	44	108	42	98	38

935	Avocado Green-DK	44	17	41	16	37	14
937	Avocado Green-MD	374	147	357	140	321	126
938	Coffee Brown-UL DK	286	112	273	107	245	96
945	Tawny	55	21	52	20	47	18
950	Desert Sand-LT	3	1	3	1	3	1
975	Golden Brown-DK	219	86	208	81	187	73
987	Forest Green-DK	16	6	15	5	13	5
3011	Khaki Green-DK	630	248	600	236	540	212
3012	Khaki Green-MD	415	163	395	155	356	140
3021	Brown Gray-VY DK	227	89	216	85	194	76
3022	Brown Gray-MD	114	44	109	42	98	38
3024	Brown Gray-VY LT	278	109	265	104	238	93
3031	Mocha Brown-VY DK	65	25	62	24	56	22
3032	Mocha Brown-MD	252	99	240	94	216	85
3033	Mocha Brown-VY LT	73	28	69	27	62	24
3041	Antique Violet-MD	23	9	22	8	20	7
3042	Antique Violet-LT	22	8	21	8	19	7
3045	Yellow Beige-DK	273	107	260	102	234	92
3052	Green Gray-MD	298	117	283	111	255	100
3072	Beaver Gray-VY LT	533	209	508	200	457	179
3346	Hunter Green	481	189	458	180	412	162
3347	Yellow Green-MD	123	48	117	46	105	41
3362	Pine Green-DK	145	57	138	54	124	48
3363	Pine Green-MD	195	76	186	73	167	65
3364	Pine Green	92	36	88	34	79	31
3371	Black Brown	501	197	477	187	430	169
3721	Shell Pink-DK	48	18	46	18	41	16
3726	Antique Mauve-DK	21	8	20	7	18	7
3740	Antique Violet-DK	20	7	19	7	17	6
3755	Baby Blue	4	1	4	1	3	1
3756	Baby Blue-UL VY LT	230	90	219	86	197	77
3768	Gray Green-DK	36	14	35	13	31	12
3772	Desert Sand-VY DK	74	29	70	27	63	24
3773	Desert Sand-MD	252	99	240	94	216	85
3776	Mahogany-LT	33	12	31	12	28	11
3778	Terra Cotta-LT	422	166	402	158	362	142
3781	Mocha Brown-DK	253	99	240	94	216	85
3782	Mocha Brown-LT	155	61	148	58	133	52
3787	Brown Gray-DK	145	57	138	54	124	48
3790	Beige Gray-UL DK	247	97	235	92	212	83
3799	Pewter Gray-VY DK	284	111	271	106	243	95
3802	Antique Mauve-VY DK	16	6	15	5	14	5
3810	Turquoise-DK	3	1	3	1	3	1
3811	Turquoise-VY LT	22	8	21	8	19	7
3828	Hazelnut Brown	40	15	38	14	34	13
3829	Old Gold-VY DK	20	7	19	7	17	6
3830	Terra Cotta-MD	69	27	66	25	59	23
3834	Grape-DK	10	3	9	3	8	3
3835	Grape-MD	52	20	49	19	44	17
3836	Grape-LT	160	62	152	59	137	53
3848	Teal Green-MD	1	1	1	1	0	1
3849	Teal Green-LT	2	1	2	1	1	1
3859	Rosewood-LT	85	33	81	31	73	28
3860	Cocoa	14	5	13	5	12	4
3861	Cocoa-LT	33	12	32	12	29	11
3862	Mocha Beige-DK	117	46	112	44	100	39
3866	Mocha Brown-UL VY LT	369	145	352	138	317	124

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	31	11	26	9	13	5
223	Shell Pink-LT	43	16	36	14	18	7
224	Shell Pink-VY LT	151	59	126	50	63	25
300	Mahogany-VY DK	124	49	104	41	52	20
310	Black	101	40	84	33	42	17
317	Pewter Gray	32	13	27	11	14	5
318	Steel Gray-LT	97	38	81	32	41	16
355	Terra Cotta-DK	72	27	60	23	30	11
356	Terra Cotta-MD	288	112	240	93	120	47
369	Pistachio Green-VY LT	83	32	69	27	35	14
370	Mustard-MD	202	79	168	66	84	33
371	Mustard	670	263	558	219	279	110
372	Mustard-LT	977	383	815	320	407	160
407	Desert Sand-DK	164	63	137	53	68	26
413	Pewter Gray-DK	238	92	198	77	99	38
414	Steel Gray-DK	112	43	93	36	47	18
415	Pearl Gray	43	16	36	14	18	7
420	Hazelnut Brown-DK	104	40	87	33	44	17
422	Hazelnut Brown-LT	203	79	170	66	85	33
437	Tan-LT	43	16	36	14	18	7
503	Blue Green-MD	22	7	18	6	9	3
524	Fern Green-VY LT	540	212	450	177	225	89
535	Ash Gray-VY LT	59	22	50	18	25	9
543	Beige Brown-UL VY LT	148	58	123	48	62	24
610	Drab Brown-DK	252	99	210	83	105	41
611	Drab Brown	808	317	674	264	337	132
612	Drab Brown-LT	994	391	828	326	414	163
613	Drab Brown-VY LT	200	77	167	65	83	32
632	Desert Sand-UL VY DK	74	29	62	24	31	12
644	Beige Gray-MD	484	189	404	158	202	79
645	Beaver Gray-VY DK	81	31	68	26	34	13
647	Beaver Gray-MD	284	112	237	93	119	47
730	Olive Green-VY DK	522	205	435	171	218	86
731	Olive Green-DK	207	81	173	68	86	34
738	Tan-VY LT	146	56	122	47	61	23
758	Terra Cotta-VY LT	376	148	314	123	157	62
762	Pearl Gray-VY LT	184	72	153	60	77	30
780	Topaz-UL VY DK	59	22	50	18	25	9
806	Peacock Blue-DK	4	2	3	2	2	1
807	Peacock Blue	7	2	6	2	3	1
813	Blue-LT	2	2	2	2	1	1
822	Beige Gray-LT	103	40	86	33	43	17
828	Blue-UL VY LT	27	9	23	8	11	4
831	Golden Olive-MD	464	182	387	152	194	76
832	Golden Olive	133	52	111	44	56	22
839	Beige Brown-DK	227	88	189	74	95	37
898	Coffee Brown-VY DK	367	144	306	120	153	60
920	Copper-MD	41	16	35	14	17	7
924	Gray Green-VY DK	283	110	236	92	118	46
926	Gray Green-MD	56	22	47	18	23	9
927	Gray Green-LT	61	23	51	20	26	10
928	Gray Green-VY LT	155	59	129	50	65	25
934	Black Avocado Green	176	68	147	57	74	29
935	Avocado Green-DK	67	25	56	21	28	11

937	Avocado Green-MD	578	227	482	189	241	95
938	Coffee Brown-UL DK	441	173	368	144	184	72
945	Tawny	85	32	71	27	35	14
950	Desert Sand-LT	5	2	5	2	2	1
975	Golden Brown-DK	337	131	281	110	140	55
987	Forest Green-DK	23	9	20	8	10	4
3011	Khaki Green-DK	972	382	810	318	405	159
3012	Khaki Green-MD	641	252	534	210	267	105
3021	Brown Gray-VY DK	349	137	291	114	146	57
3022	Brown Gray-MD	176	68	147	57	74	29
3024	Brown Gray-VY LT	428	167	357	140	179	70
3031	Mocha Brown-VY DK	101	40	84	33	42	17
3032	Mocha Brown-MD	389	153	324	128	162	64
3033	Mocha Brown-VY LT	112	43	93	36	47	18
3041	Antique Violet-MD	36	13	30	11	15	5
3042	Antique Violet-LT	34	13	29	11	14	5
3045	Yellow Beige-DK	421	166	351	138	176	69
3052	Green Gray-MD	459	180	383	150	191	75
3072	Beaver Gray-VY LT	823	322	686	269	343	134
3346	Hunter Green	742	292	618	243	309	122
3347	Yellow Green-MD	189	74	158	62	79	31
3362	Pine Green-DK	223	86	186	72	93	36
3363	Pine Green-MD	301	117	251	98	125	49
3364	Pine Green	142	56	119	47	59	23
3371	Black Brown	774	304	645	254	323	127
3721	Shell Pink-DK	74	29	62	24	31	12
3726	Antique Mauve-DK	32	13	27	11	14	5
3740	Antique Violet-DK	31	11	26	9	13	5
3755	Baby Blue	5	2	5	2	2	1
3756	Baby Blue-UL VY LT	355	139	296	116	148	58
3768	Gray Green-DK	56	22	47	18	23	9
3772	Desert Sand-VY DK	113	43	95	36	47	18
3773	Desert Sand-MD	389	153	324	128	162	64
3776	Mahogany-LT	50	20	42	17	21	8
3778	Terra Cotta-LT	652	256	543	213	272	107
3781	Mocha Brown-DK	389	153	324	128	162	64
3782	Mocha Brown-LT	239	94	200	78	100	39
3787	Brown Gray-DK	223	86	186	72	93	36
3790	Beige Gray-UL DK	382	149	318	125	159	62
3799	Pewter Gray-VY DK	437	171	365	143	182	71
3802	Antique Mauve-VY DK	25	9	21	8	11	4
3810	Turquoise-DK	5	2	5	2	2	1
3811	Turquoise-VY LT	34	13	29	11	14	5
3828	Hazelnut Brown	61	23	51	20	26	10
3829	Old Gold-VY DK	31	11	26	9	13	5
3830	Terra Cotta-MD	106	41	89	35	44	17
3834	Grape-DK	14	5	12	5	6	2
3835	Grape-MD	79	31	66	26	33	13
3836	Grape-LT	247	95	206	80	103	40
3848	Teal Green-MD	0	2	0	2	0	1
3849	Teal Green-LT	2	2	2	2	1	1
3859	Rosewood-LT	131	50	110	42	55	21
3860	Cocoa	22	7	18	6	9	3
3861	Cocoa-LT	52	20	44	17	22	8
3862	Mocha Beige-DK	180	70	150	59	75	29
3866	Mocha Brown-UL VY LT	571	223	476	186	238	93

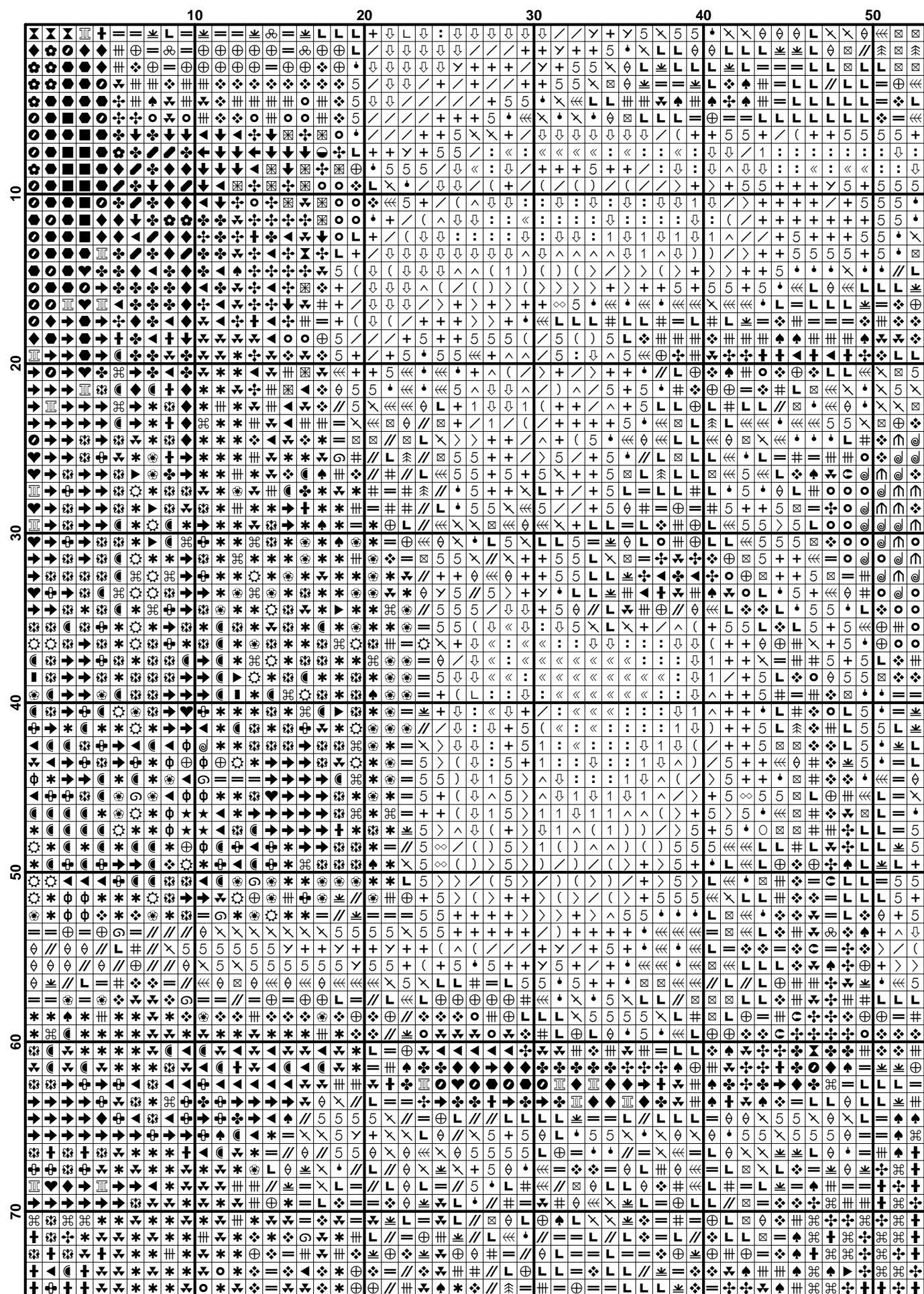
Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
221	Shell Pink-VY DK	12	4	12	4	11	4
223	Shell Pink-LT	17	6	17	6	16	6
224	Shell Pink-VY LT	60	24	58	23	56	22
300	Mahogany-VY DK	50	19	48	19	46	18
310	Black	40	16	39	15	37	15
317	Pewter Gray	13	5	12	5	12	5
318	Steel Gray-LT	39	15	37	15	36	14
355	Terra Cotta-DK	29	11	28	10	27	10
356	Terra Cotta-MD	115	45	111	43	107	41
369	Pistachio Green-VY LT	33	13	32	12	31	12
370	Mustard-MD	81	32	78	30	75	29
371	Mustard	268	105	258	101	248	97
372	Mustard-LT	391	153	376	147	362	142
407	Desert Sand-DK	66	25	63	24	61	23
413	Pewter Gray-DK	95	37	91	35	88	34
414	Steel Gray-DK	45	17	43	17	41	16
415	Pearl Gray	17	6	17	6	16	6
420	Hazelnut Brown-DK	42	16	40	15	39	15
422	Hazelnut Brown-LT	81	32	78	30	75	29
437	Tan-LT	17	6	17	6	16	6
503	Blue Green-MD	9	3	8	3	8	3
524	Fern Green-VY LT	216	85	208	82	200	79
535	Ash Gray-VY LT	24	9	23	8	22	8
543	Beige Brown-UL VY LT	59	23	57	22	55	21
610	Drab Brown-DK	101	40	97	38	93	37
611	Drab Brown	323	127	311	122	299	117
612	Drab Brown-LT	397	156	382	150	368	145
613	Drab Brown-VY LT	80	31	77	30	74	29
632	Desert Sand-UL VY DK	30	12	28	11	27	11
644	Beige Gray-MD	194	76	186	73	179	70
645	Beaver Gray-VY DK	32	12	31	12	30	11
647	Beaver Gray-MD	114	45	109	43	105	41
730	Olive Green-VY DK	209	82	201	79	193	76
731	Olive Green-DK	83	32	80	31	77	30
738	Tan-VY LT	58	22	56	21	54	21
758	Terra Cotta-VY LT	150	59	145	57	139	55
762	Pearl Gray-VY LT	73	29	71	28	68	27
780	Topaz-UL VY DK	24	9	23	8	22	8
806	Peacock Blue-DK	1	1	1	1	1	1
807	Peacock Blue	3	1	3	1	3	1
813	Blue-LT	1	1	1	1	1	1
822	Beige Gray-LT	41	16	39	15	38	15
828	Blue-UL VY LT	11	4	10	3	10	3
831	Golden Olive-MD	186	73	179	70	172	67
832	Golden Olive	53	21	51	20	49	19
839	Beige Brown-DK	91	35	87	34	84	33
898	Coffee Brown-VY DK	147	58	141	55	136	53
920	Copper-MD	17	6	16	6	15	6
924	Gray Green-VY DK	113	44	109	42	105	41
926	Gray Green-MD	22	9	21	8	21	8
927	Gray Green-LT	24	9	24	9	23	9
928	Gray Green-VY LT	62	24	60	23	57	22
934	Black Avocado Green	71	27	68	26	65	25
935	Avocado Green-DK	27	10	26	10	25	9

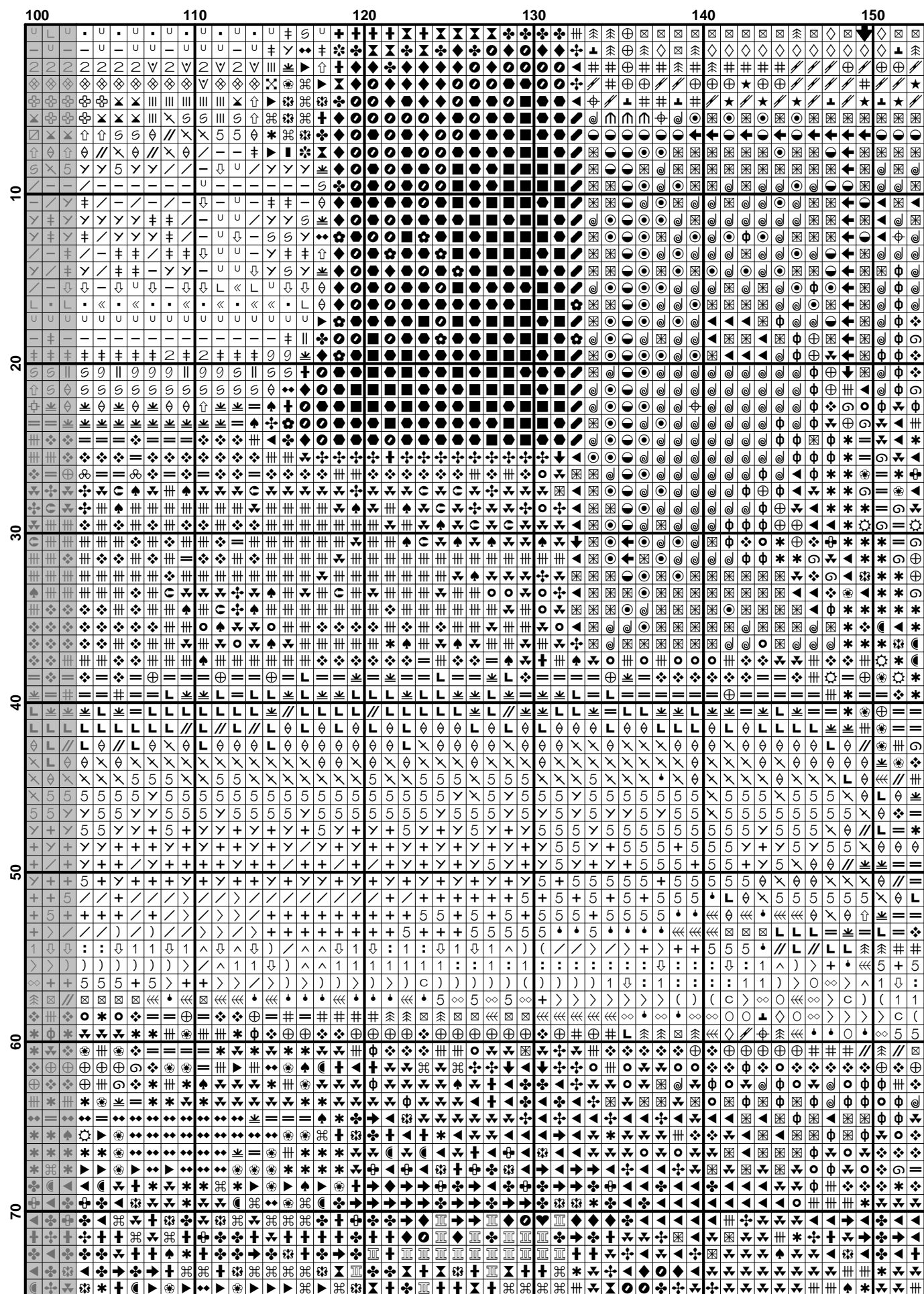
937	Avocado Green-MD	231	91	222	87	214	84
938	Coffee Brown-UL DK	176	69	170	66	163	64
945	Tawny	34	13	33	12	31	12
950	Desert Sand-LT	2	1	2	1	2	1
975	Golden Brown-DK	135	53	129	51	125	49
987	Forest Green-DK	9	4	9	3	9	3
3011	Khaki Green-DK	389	153	374	147	360	141
3012	Khaki Green-MD	256	101	246	97	237	93
3021	Brown Gray-VY DK	140	55	134	53	129	51
3022	Brown Gray-MD	71	27	68	26	65	25
3024	Brown Gray-VY LT	171	67	165	64	159	62
3031	Mocha Brown-VY DK	40	16	39	15	37	15
3032	Mocha Brown-MD	156	61	150	59	144	57
3033	Mocha Brown-VY LT	45	17	43	17	41	16
3041	Antique Violet-MD	14	5	14	5	13	5
3042	Antique Violet-LT	14	5	13	5	13	5
3045	Yellow Beige-DK	168	66	162	64	156	61
3052	Green Gray-MD	184	72	177	69	170	67
3072	Beaver Gray-VY LT	329	129	316	124	305	119
3346	Hunter Green	297	117	285	112	275	108
3347	Yellow Green-MD	76	30	73	28	70	27
3362	Pine Green-DK	89	35	86	33	83	32
3363	Pine Green-MD	120	47	116	45	111	43
3364	Pine Green	57	22	55	21	53	21
3371	Black Brown	310	122	298	117	287	113
3721	Shell Pink-DK	30	12	28	11	27	11
3726	Antique Mauve-DK	13	5	12	5	12	5
3740	Antique Violet-DK	12	4	12	4	11	4
3755	Baby Blue	2	1	2	1	2	1
3756	Baby Blue-UL VY LT	142	55	136	53	131	51
3768	Gray Green-DK	22	9	21	8	21	8
3772	Desert Sand-VY DK	45	17	44	17	42	16
3773	Desert Sand-MD	156	61	150	59	144	57
3776	Mahogany-LT	20	8	19	8	19	7
3778	Terra Cotta-LT	261	102	251	98	241	95
3781	Mocha Brown-DK	156	61	150	59	144	57
3782	Mocha Brown-LT	96	37	92	36	89	35
3787	Brown Gray-DK	89	35	86	33	83	32
3790	Beige Gray-UL DK	153	60	147	57	141	55
3799	Pewter Gray-VY DK	175	68	168	66	162	63
3802	Antique Mauve-VY DK	10	4	10	3	9	3
3810	Turquoise-DK	2	1	2	1	2	1
3811	Turquoise-VY LT	14	5	13	5	13	5
3828	Hazelnut Brown	24	9	24	9	23	9
3829	Old Gold-VY DK	12	4	12	4	11	4
3830	Terra Cotta-MD	42	17	41	16	39	15
3834	Grape-DK	6	2	6	2	5	2
3835	Grape-MD	32	12	30	12	29	11
3836	Grape-LT	99	38	95	37	91	35
3848	Teal Green-MD	0	1	0	1	0	1
3849	Teal Green-LT	1	1	1	1	1	1
3859	Rosewood-LT	53	20	51	19	49	19
3860	Cocoa	9	3	8	3	8	3
3861	Cocoa-LT	21	8	20	8	19	7
3862	Mocha Beige-DK	72	28	69	27	67	26
3866	Mocha Brown-UL VY LT	228	89	219	86	211	83

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	11	4	10	4	10	3
223	Shell Pink-LT	15	6	14	5	14	5
224	Shell Pink-VY LT	54	21	50	20	47	19
300	Mahogany-VY DK	44	17	41	16	39	15
310	Black	36	14	34	13	32	12
317	Pewter Gray	12	5	11	4	10	4
318	Steel Gray-LT	35	14	32	13	30	12
355	Terra Cotta-DK	26	10	24	9	23	8
356	Terra Cotta-MD	103	40	96	37	90	35
369	Pistachio Green-VY LT	30	12	28	11	26	10
370	Mustard-MD	72	28	67	26	63	25
371	Mustard	239	94	223	88	209	82
372	Mustard-LT	349	137	326	128	305	120
407	Desert Sand-DK	59	23	55	21	51	20
413	Pewter Gray-DK	85	33	79	31	74	29
414	Steel Gray-DK	40	15	37	14	35	14
415	Pearl Gray	15	6	14	5	14	5
420	Hazelnut Brown-DK	37	14	35	13	33	12
422	Hazelnut Brown-LT	73	28	68	26	64	25
437	Tan-LT	15	6	14	5	14	5
503	Blue Green-MD	8	3	7	2	7	2
524	Fern Green-VY LT	193	76	180	71	169	66
535	Ash Gray-VY LT	21	8	20	7	19	7
543	Beige Brown-UL VY LT	53	21	49	19	46	18
610	Drab Brown-DK	90	35	84	33	79	31
611	Drab Brown	289	113	269	106	253	99
612	Drab Brown-LT	355	140	331	130	311	122
613	Drab Brown-VY LT	71	28	67	26	62	24
632	Desert Sand-UL VY DK	26	10	25	10	23	9
644	Beige Gray-MD	173	68	161	63	151	59
645	Beaver Gray-VY DK	29	11	27	10	25	10
647	Beaver Gray-MD	102	40	95	37	89	35
730	Olive Green-VY DK	186	73	174	68	163	64
731	Olive Green-DK	74	29	69	27	65	25
738	Tan-VY LT	52	20	49	19	46	17
758	Terra Cotta-VY LT	134	53	125	49	118	46
762	Pearl Gray-VY LT	66	26	61	24	57	23
780	Topaz-UL VY DK	21	8	20	7	19	7
806	Peacock Blue-DK	1	1	1	1	1	1
807	Peacock Blue	3	1	2	1	2	1
813	Blue-LT	1	1	1	1	1	1
822	Beige Gray-LT	37	14	34	13	32	12
828	Blue-UL VY LT	10	3	9	3	8	3
831	Golden Olive-MD	166	65	155	61	145	57
832	Golden Olive	48	19	44	17	42	16
839	Beige Brown-DK	81	32	76	29	71	28
898	Coffee Brown-VY DK	131	51	122	48	115	45
920	Copper-MD	15	6	14	5	13	5
924	Gray Green--VY DK	101	39	94	37	88	34
926	Gray Green-MD	20	8	19	7	17	7
927	Gray Green-LT	22	8	20	8	19	7
928	Gray Green-VY LT	55	21	52	20	48	19
934	Black Avocado Green	63	24	59	23	55	21
935	Avocado Green-DK	24	9	22	8	21	8

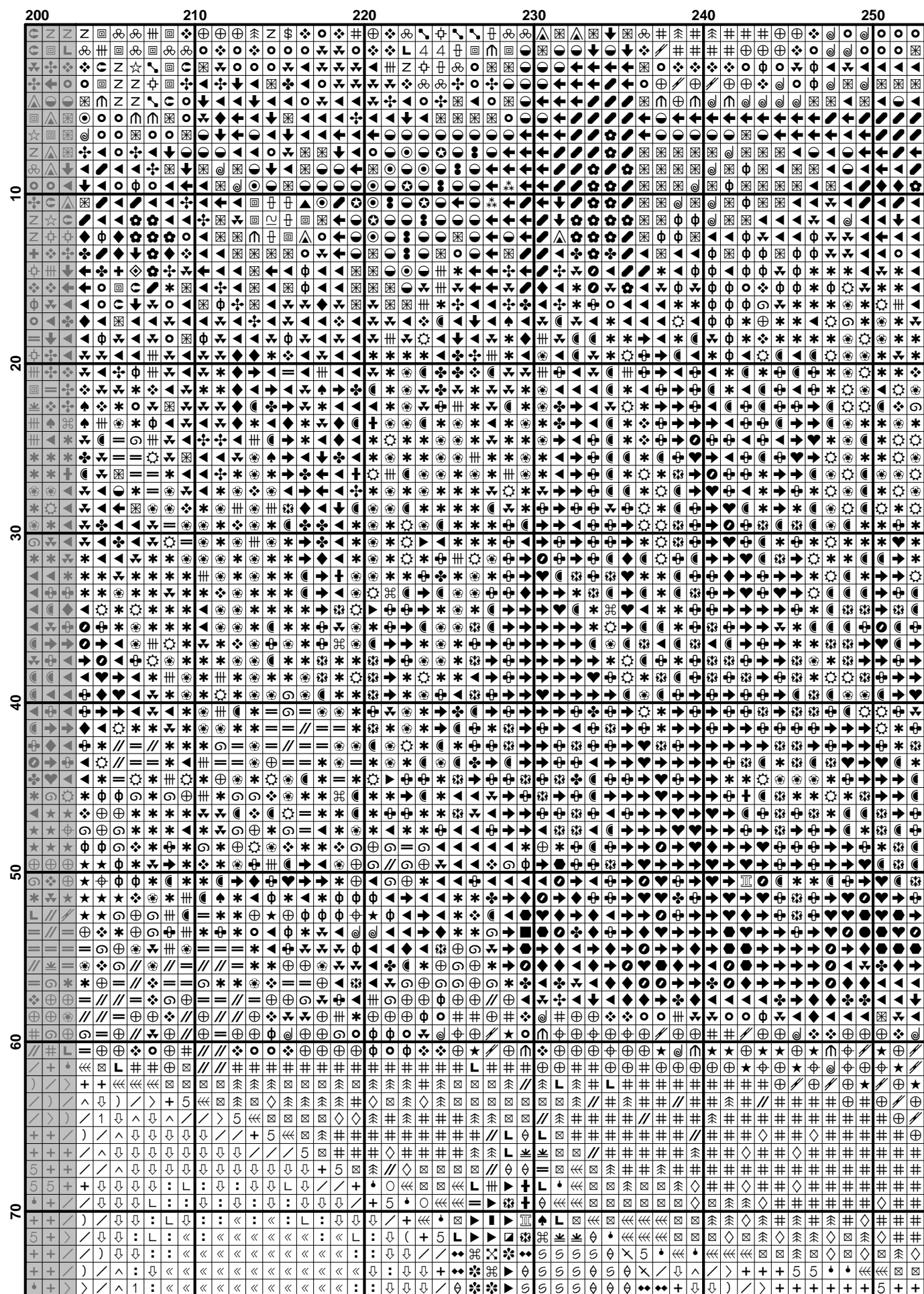
937	Avocado Green-MD	206	81	193	76	181	71
938	Coffee Brown-UL DK	158	62	147	58	138	54
945	Tawny	30	12	28	11	26	10
950	Desert Sand-LT	2	1	2	1	2	1
975	Golden Brown-DK	120	47	112	44	105	41
987	Forest Green-DK	8	3	8	3	7	3
3011	Khaki Green-DK	347	136	324	127	304	119
3012	Khaki Green-MD	229	90	214	84	200	79
3021	Brown Gray-VY DK	125	49	116	46	109	43
3022	Brown Gray-MD	63	24	59	23	55	21
3024	Brown Gray-VY LT	153	60	143	56	134	52
3031	Mocha Brown-VY DK	36	14	34	13	32	12
3032	Mocha Brown-MD	139	55	130	51	122	48
3033	Mocha Brown-VY LT	40	15	37	14	35	14
3041	Antique Violet-MD	13	5	12	4	11	4
3042	Antique Violet-LT	12	5	11	4	11	4
3045	Yellow Beige-DK	150	59	140	55	132	52
3052	Green Gray-MD	164	64	153	60	143	56
3072	Beaver Gray-VY LT	294	115	274	107	257	101
3346	Hunter Green	265	104	247	97	232	91
3347	Yellow Green-MD	68	26	63	25	59	23
3362	Pine Green-DK	80	31	74	29	70	27
3363	Pine Green-MD	107	42	100	39	94	37
3364	Pine Green	51	20	47	19	44	17
3371	Black Brown	276	109	258	101	242	95
3721	Shell Pink-DK	26	10	25	10	23	9
3726	Antique Mauve-DK	12	5	11	4	10	4
3740	Antique Violet-DK	11	4	10	4	10	3
3755	Baby Blue	2	1	2	1	2	1
3756	Baby Blue-UL VY LT	127	50	118	46	111	43
3768	Gray Green-DK	20	8	19	7	17	7
3772	Desert Sand-VY DK	41	15	38	14	35	14
3773	Desert Sand-MD	139	55	130	51	122	48
3776	Mahogany-LT	18	7	17	7	16	6
3778	Terra Cotta-LT	233	91	217	85	204	80
3781	Mocha Brown-DK	139	55	130	51	122	48
3782	Mocha Brown-LT	86	33	80	31	75	29
3787	Brown Gray-DK	80	31	74	29	70	27
3790	Beige Gray-UL DK	136	53	127	50	119	47
3799	Pewter Gray-VY DK	156	61	146	57	137	53
3802	Antique Mauve-VY DK	9	3	8	3	8	3
3810	Turquoise-DK	2	1	2	1	2	1
3811	Turquoise-VY LT	12	5	11	4	11	4
3828	Hazelnut Brown	22	8	20	8	19	7
3829	Old Gold-VY DK	11	4	10	4	10	3
3830	Terra Cotta-MD	38	15	35	14	33	13
3834	Grape-DK	5	2	5	2	5	2
3835	Grape-MD	28	11	26	10	25	10
3836	Grape-LT	88	34	82	32	77	30
3848	Teal Green-MD	0	1	0	1	0	1
3849	Teal Green-LT	1	1	1	1	1	1
3859	Rosewood-LT	47	18	44	17	41	16
3860	Cocoa	8	3	7	2	7	2
3861	Cocoa-LT	19	7	17	7	16	6
3862	Mocha Beige-DK	64	25	60	23	56	22
3866	Mocha Brown-UL VY LT	204	80	190	74	178	70

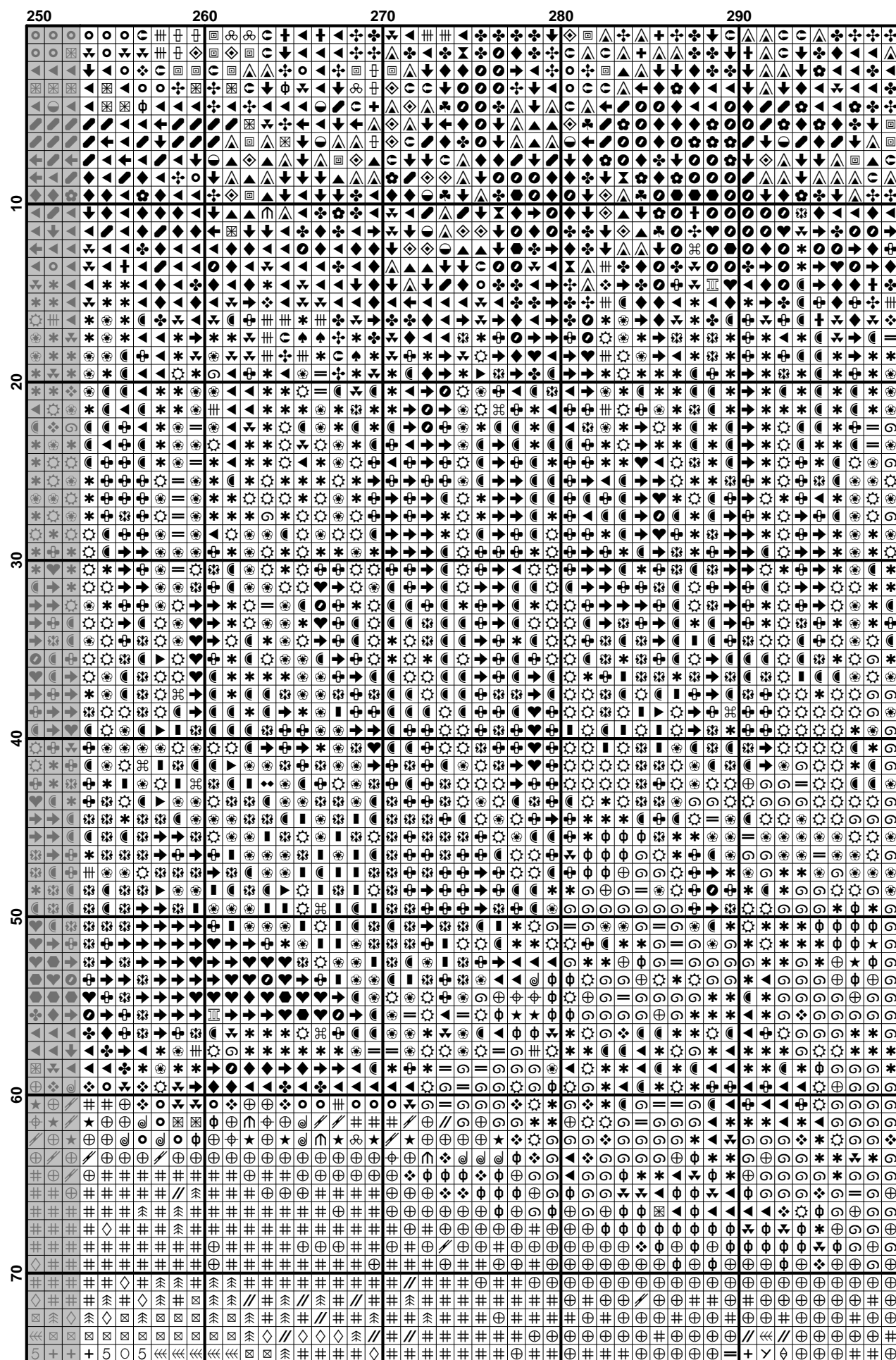


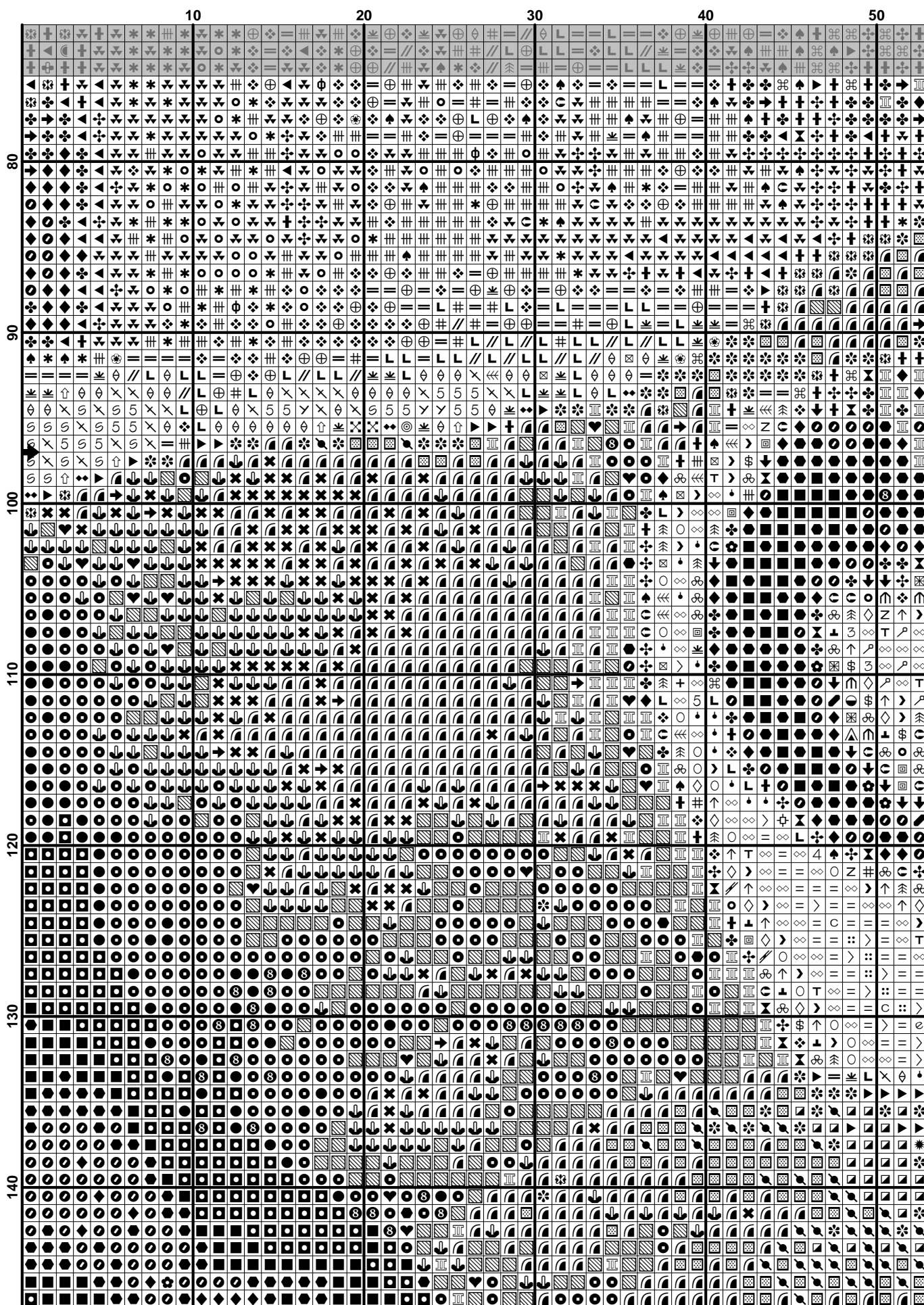
	50	60	70	80	90	100
5	5	5	5	5	5	5
10	10	10	10	10	10	10
15	15	15	15	15	15	15
20	20	20	20	20	20	20
25	25	25	25	25	25	25
30	30	30	30	30	30	30
35	35	35	35	35	35	35
40	40	40	40	40	40	40
45	45	45	45	45	45	45
50	50	50	50	50	50	50
55	55	55	55	55	55	55
60	60	60	60	60	60	60
65	65	65	65	65	65	65
70	70	70	70	70	70	70
75	75	75	75	75	75	75
80	80	80	80	80	80	80
85	85	85	85	85	85	85
90	90	90	90	90	90	90
95	95	95	95	95	95	95
100	100	100	100	100	100	100



[illegible]

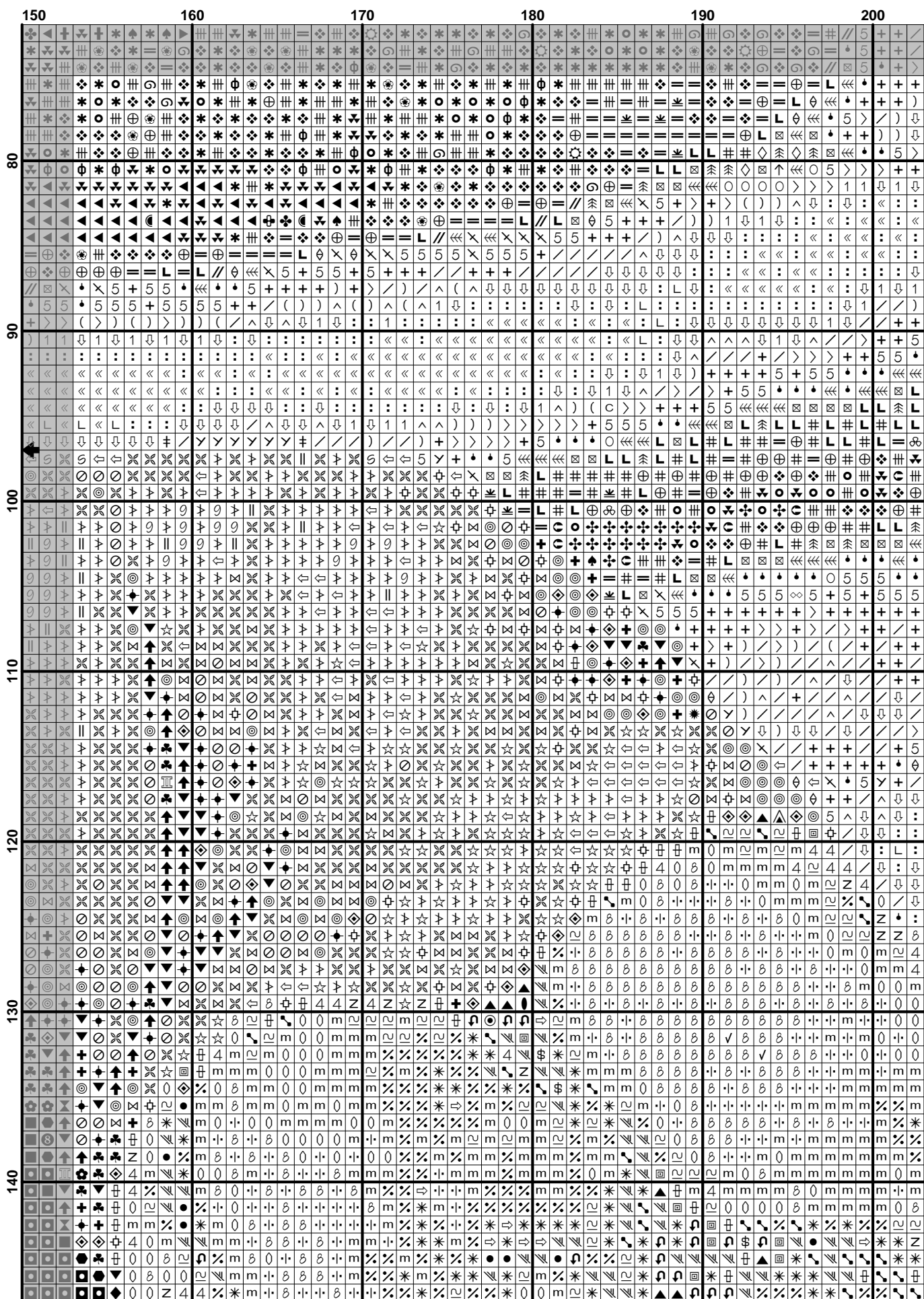








$$(15) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$



	200	210	220	230	240	250
80	+	+	+	+	+	+
90	+	+	+	+	+	+
100	+	+	+	+	+	+
110	+	+	+	+	+	+
120	+	+	+	+	+	+
130	+	+	+	+	+	+
140	+	+	+	+	+	+



