

## 1391 Waiting for the Vet



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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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## Waiting for the Vet

Stitch Count	
Horizontal:	247
Vertical:	300

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:	45	17.51	55	21.37	39	15.32	48	18.7	35	13.625	43	16.625
Including Margins:	61	24	71	28	55	22	64	25	51	20	59	23
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	63	24.51	77	29.91	52	20.42	64	24.93	26	10.21	32	12.46
Including Margins:	79	31	93	36	68	27	80	31	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	9.8	30	11.96	24	9.42	29	11.5	23	9.07	28	11.08
Including Margins:	41	16	46	18	40	16	45	18	39	16	44	18
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	22	8.75	27	10.68	21	8.17	25	9.97	19	7.66	24	9.34
Including Margins:	38	15	43	17	37	15	41	16	35	14	40	16

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
✕	300	Mahogany-VY DK
٪	370	Mustard-MD
⚡	371	Mustard
::	372	Mustard-LT
↘	400	Mahogany-DK
√	402	Mahogany-VY LT
⚡	420	Hazelnut Brown-DK
←	433	Brown-MD
♠	434	Brown-LT
L	435	Brown-VY LT
⚡	436	Tan
⚡	437	Tan-LT
//	451	Shell Gray-DK
m	452	Shell Gray-MD
:	453	Shell Gray-LT
↘	522	Fern Green
Δ	523	Fern Green-LT
3	524	Fern Green-VY LT
▨	535	Ash Gray-VY LT
□	543	Beige Brown-UL 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
6	644	Beige Gray-MD
☾	645	Beaver Gray-VY DK
H	646	Beaver Gray-DK
×	647	Beaver Gray-MD
√	676	Old Gold-LT
⊕	680	Old Gold-DK
⚡	720	Orange Spice-DK
⚡	721	Orange Spice-MD
=	725	Topaz
⚡	729	Old Gold-MD
⚡	730	Olive Green-VY DK
↘	732	Olive Green
▨	734	Olive Green-LT
↔	738	Tan-VY LT
(	739	Tan-UL VY LT
u	746	Off White
>	754	Peach-LT
I	780	Topaz-UL VY DK
×	782	Topaz-DK
II	783	Topaz-MD
⌘	801	Coffee Brown-DK
●	815	Garnet-MD

♣	817	Coral Red-VY DK
↑	822	Beige Gray-LT
☼	829	Golden Olive-VY DK
♠	832	Golden Olive
+	842	Beige Brown-VY LT
↓	844	Beaver Brown-UL DK
+	869	Hazelnut Brown-VY DK
☼	898	Coffee Brown-VY DK
☾	920	Copper-MD
☾	922	Copper-LT
☼	938	Coffee Brown-UL DK
♡	945	Tawny
~	948	Peach-VY LT
0	950	Desert Sand-LT
o	951	Tawny-LT
▼	975	Golden Brown-DK
×	976	Golden Brown-MD
♠	977	Golden Brown-LT
⚡	3012	Khaki Green-MD
↑	3021	Brown Gray-VY DK
⚡	3022	Brown Gray-MD
⚡	3023	Brown Gray-LT
\$	3032	Mocha Brown-MD
I	3033	Mocha Brown-VY LT
√	3045	Yellow Beige-DK
⚡	3046	Yellow Beige-MD
⚡	3051	Green Gray-DK
⚡	3052	Green Gray-MD
..	3053	Green Gray
■	3371	Black Brown
«	3770	Tawny-VY LT
♣	3781	Mocha Brown-DK
—	3782	Mocha Brown-LT
⚡	3787	Brown Gray-DK
♥	3799	Pewter Gray-VY DK
◇	3820	Straw-DK
β	3827	Golden Brown-Pale
⚡	3828	Hazelnut Brown
⚡	3829	Old Gold-VY DK
√	3852	Straw-VY DK
↘	3853	Autumn Gold-DK
↔	3856	Mahogany-UL VY LT
=	3862	Mocha Beige-DK
⚡	3863	Mocha Beige-MD
5	3864	Mocha Beige-LT
∞	3866	Mocha Brown-UL VY LT
n	Ecrú	Ecrú

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

Symbol	DMC1	Name1	DMC2	Name2
■	535	Ash Gray-VY LT	645	Beaver Gray-VY DK
▲	640	Beige Gray-VY DK	645	Beaver Gray-VY DK
‡	647	Beaver Gray-MD	3861	Cocoa-LT
✱	420	Hazelnut Brown-DK	632	Desert Sand-UL VY DK
☾	420	Hazelnut Brown-DK	435	Brown-VY LT
≡	436	Tan	3828	Hazelnut Brown
∅	738	Tan-VY LT	945	Tawny
	436	Tan	437	Tan-LT
✧	435	Brown-VY LT	3828	Hazelnut Brown
1	746	Off White	3770	Tawny-VY LT
✧	407	Desert Sand-DK	437	Tan-LT
△	224	Shell Pink-VY LT	945	Tawny
)	3824	Apricot-LT	754	Peach-LT
↑	647	Beaver Gray-MD	3782	Mocha Brown-LT
#	729	Old Gold-MD	3828	Hazelnut Brown
L	738	Tan-VY LT	739	Tan-UL VY LT
⊗	300	Mahogany-VY DK	938	Coffee Brown-UL DK
○	3346	Hunter Green	3787	Brown Gray-DK
↖	647	Beaver Gray-MD	451	Shell Gray-DK
⦿	647	Beaver Gray-MD	3041	Antique Violet-MD
▲	869	Hazelnut Brown-VY DK	3781	Mocha Brown-DK
5	3864	Mocha Beige-LT	738	Tan-VY LT
•	945	Tawny	739	Tan-UL VY LT
☆	402	Mahogany-VY LT	722	Orange Spice-LT
⬆	611	Drab Brown	3012	Khaki Green-MD
⊗	611	Drab Brown	3346	Hunter Green
4	437	Tan-LT	3856	Mahogany-UL VY LT
●	869	Hazelnut Brown-VY DK	975	Golden Brown-DK
↖	435	Brown-VY LT	3012	Khaki Green-MD
✱	829	Golden Olive-VY DK	869	Hazelnut Brown-VY DK
♦♦	3363	Pine Green-MD	645	Beaver Gray-VY DK
∩	782	Topaz-DK	3852	Straw-VY DK
⬥	729	Old Gold-MD	3776	Mahogany-LT
◀	371	Mustard	3052	Green Gray-MD
▲	3041	Antique Violet-MD	646	Beaver Gray-DK
⬥	522	Fern Green	646	Beaver Gray-DK
✂	522	Fern Green	3053	Green Gray
⬥	522	Fern Green	647	Beaver Gray-MD
田	522	Fern Green	523	Fern Green-LT
▲	3032	Mocha Brown-MD	3053	Green Gray
✓	523	Fern Green-LT	647	Beaver Gray-MD
›	371	Mustard	3012	Khaki Green-MD
⊗	522	Fern Green	3052	Green Gray-MD
▲	3052	Green Gray-MD	3862	Mocha Beige-DK
⬆	523	Fern Green-LT	524	Fern Green-VY LT
9	524	Fern Green-VY LT	644	Beige Gray-MD
⊗	3363	Pine Green-MD	3052	Green Gray-MD
田	3012	Khaki Green-MD	3828	Hazelnut Brown
○	612	Drab Brown-LT	3864	Mocha Beige-LT
⬆	612	Drab Brown-LT	647	Beaver Gray-MD
⬆	951	Tawny-LT	754	Peach-LT
⊗	3776	Mahogany-LT	435	Brown-VY LT
●	780	Topaz-UL VY DK	975	Golden Brown-DK

■	300	Mahogany-VY DK	400	Mahogany-DK
*	420	Hazelnut Brown-DK	780	Topaz-UL VY DK
■	898	Coffee Brown-VY DK	3371	Black Brown
●	300	Mahogany-VY DK	898	Coffee Brown-VY DK
*	420	Hazelnut Brown-DK	436	Tan
■	300	Mahogany-VY DK	869	Hazelnut Brown-VY DK
III	407	Desert Sand-DK	436	Tan
T	3776	Mahogany-LT	436	Tan
★	420	Hazelnut Brown-DK	680	Old Gold-DK
○	435	Brown-VY LT	976	Golden Brown-MD
◇	436	Tan	729	Old Gold-MD
◇	3829	Old Gold-VY DK	782	Topaz-DK
⊠	402	Mahogany-VY LT	437	Tan-LT
α	402	Mahogany-VY LT	3856	Mahogany-UL VY LT
^	353	Peach	951	Tawny-LT
H	402	Mahogany-VY LT	436	Tan
*	782	Topaz-DK	920	Copper-MD
∩	780	Topaz-UL VY DK	920	Copper-MD
Z	3776	Mahogany-LT	3828	Hazelnut Brown
~	402	Mahogany-VY LT	3776	Mahogany-LT
✦	720	Orange Spice-DK	782	Topaz-DK
●	720	Orange Spice-DK	920	Copper-MD
✦	921	Copper	3776	Mahogany-LT
●	300	Mahogany-VY DK	3371	Black Brown
/	972	Canary-DK	3820	Straw-DK
~	3820	Straw-DK	3852	Straw-VY DK
⊠	720	Orange Spice-DK	3852	Straw-VY DK
⊠	680	Old Gold-DK	3828	Hazelnut Brown
►	817	Coral Red-VY DK	720	Orange Spice-DK
↓	938	Coffee Brown-UL DK	3051	Green Gray-DK
⬮	815	Garnet-MD	817	Coral Red-VY DK
7	734	Olive Green-LT	977	Golden Brown-LT
♂	3770	Tawny-VY LT	948	Peach-VY LT
○	407	Desert Sand-DK	3856	Mahogany-UL VY LT
?	524	Fern Green-VY LT	452	Shell Gray-MD
e	452	Shell Gray-MD	453	Shell Gray-LT
⌵	3861	Cocoa-LT	3023	Brown Gray-LT
<	613	Drab Brown-VY LT	369	Pistachio Green-VY LT
✕	3012	Khaki Green-MD	3346	Hunter Green
■	730	Olive Green-VY DK	3346	Hunter Green
◀	732	Olive Green	869	Hazelnut Brown-VY DK
☯	300	Mahogany-VY DK	433	Brown-MD
Φ	3862	Mocha Beige-DK	844	Beaver Brown-UL DK
▷	453	Shell Gray-LT	3033	Mocha Brown-VY LT
≡	524	Fern Green-VY LT	3864	Mocha Beige-LT
2	402	Mahogany-VY LT	407	Desert Sand-DK
◆	300	Mahogany-VY DK	815	Garnet-MD
➔	400	Mahogany-DK	815	Garnet-MD
⊠	535	Ash Gray-VY LT	844	Beaver Brown-UL 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	26	10	24	9	22	8
300	Mahogany-VY DK	665	261	633	249	570	224
353	Peach	61	24	58	22	52	20
369	Pistachio Green-VY LT	7	2	7	2	6	2
370	Mustard-MD	51	20	49	19	44	17
371	Mustard	278	109	265	104	239	94
372	Mustard-LT	193	75	183	72	165	64
400	Mahogany-DK	110	43	105	41	95	37
402	Mahogany-VY LT	131	51	125	49	112	44
407	Desert Sand-DK	215	84	205	80	184	72
420	Hazelnut Brown-DK	478	188	455	179	410	161
433	Brown-MD	98	38	93	36	84	33
434	Brown-LT	91	35	86	33	78	30
435	Brown-VY LT	426	167	405	159	365	143
436	Tan	437	172	416	163	375	147
437	Tan-LT	469	184	446	175	402	158
451	Shell Gray-DK	45	17	43	16	39	15
452	Shell Gray-MD	64	25	61	24	55	21
453	Shell Gray-LT	97	38	92	36	83	32
522	Fern Green	658	259	627	246	564	222
523	Fern Green-LT	729	287	694	273	624	245
524	Fern Green-VY LT	742	292	706	277	636	250
535	Ash Gray-VY LT	32	12	31	12	28	11
543	Beige Brown-UL VY LT	102	40	97	38	87	34
611	Drab Brown	215	84	204	80	184	72
612	Drab Brown-LT	300	118	286	112	257	101
613	Drab Brown-VY LT	98	38	93	36	84	33
632	Desert Sand-UL VY DK	59	23	56	22	50	19
640	Beige Gray-VY DK	95	37	90	35	81	31
644	Beige Gray-MD	174	68	166	65	149	58
645	Beaver Gray-VY DK	94	37	90	35	81	31
646	Beaver Gray-DK	90	35	86	33	77	30
647	Beaver Gray-MD	360	141	343	135	309	121
676	Old Gold-LT	6	2	6	2	5	1
680	Old Gold-DK	298	117	284	111	255	100
720	Orange Spice-DK	37	14	35	13	32	12
721	Orange Spice-MD	5	1	5	1	4	1
722	Orange Spice-LT	3	1	3	1	3	1
725	Topaz	4	1	4	1	3	1
729	Old Gold-MD	124	48	118	46	106	41
730	Olive Green-VY DK	106	41	101	39	91	35
732	Olive Green	112	44	106	41	96	37
734	Olive Green-LT	23	9	22	8	20	7
738	Tan-VY LT	650	255	619	243	557	219
739	Tan-UL VY LT	538	211	512	201	461	181
746	Off White	561	220	535	210	481	189
754	Peach-LT	285	112	271	106	244	96
780	Topaz-UL VY DK	161	63	153	60	138	54
782	Topaz-DK	86	33	82	32	73	28
783	Topaz-MD	17	6	16	6	15	5
801	Coffee Brown-DK	35	13	33	12	30	11
815	Garnet-MD	26	10	25	9	22	8
817	Coral Red-VY DK	24	9	23	9	20	7

822	Beige Gray-LT	235	92	224	88	201	79
829	Golden Olive-VY DK	82	32	79	31	71	27
832	Golden Olive	18	7	17	6	15	5
842	Beige Brown-VY LT	160	62	152	59	137	53
844	Beaver Brown-UL DK	95	37	91	35	82	32
869	Hazelnut Brown-VY DK	358	140	341	134	307	120
898	Coffee Brown-VY DK	235	92	224	88	201	79
920	Copper-MD	49	19	47	18	42	16
921	Copper	7	2	6	2	6	2
922	Copper-LT	12	4	12	4	10	3
938	Coffee Brown-UL DK	177	69	168	66	152	59
945	Tawny	782	307	745	293	671	264
948	Peach-VY LT	433	170	413	162	371	146
950	Desert Sand-LT	78	30	74	29	67	26
951	Tawny-LT	629	247	599	235	539	212
972	Canary-DK	6	2	6	2	5	1
975	Golden Brown-DK	153	60	146	57	131	51
976	Golden Brown-MD	55	21	52	20	47	18
977	Golden Brown-LT	24	9	23	9	21	8
3012	Khaki Green-MD	387	152	368	144	331	130
3021	Brown Gray-VY DK	55	21	53	20	47	18
3022	Brown Gray-MD	24	9	23	9	21	8
3023	Brown Gray-LT	39	15	37	14	34	13
3032	Mocha Brown-MD	232	91	221	87	199	78
3033	Mocha Brown-VY LT	63	24	60	23	54	21
3041	Antique Violet-MD	45	17	43	16	39	15
3045	Yellow Beige-DK	155	61	147	57	133	52
3046	Yellow Beige-MD	46	18	44	17	39	15
3051	Green Gray-DK	143	56	136	53	122	48
3052	Green Gray-MD	320	125	305	120	274	107
3053	Green Gray	438	172	417	164	376	148
3346	Hunter Green	217	85	207	81	186	73
3363	Pine Green-MD	38	14	36	14	33	12
3371	Black Brown	484	190	461	181	415	163
3770	Tawny-VY LT	884	348	842	331	758	298
3776	Mahogany-LT	128	50	122	48	110	43
3781	Mocha Brown-DK	79	31	75	29	67	26
3782	Mocha Brown-LT	116	45	111	43	100	39
3787	Brown Gray-DK	50	19	47	18	43	16
3799	Pewter Gray-VY DK	10	3	9	3	8	3
3820	Straw-DK	22	8	21	8	19	7
3824	Apricot-LT	14	5	14	5	12	4
3827	Golden Brown-Pale	22	8	21	8	19	7
3828	Hazelnut Brown	729	287	694	273	625	246
3829	Old Gold-VY DK	39	15	37	14	33	12
3852	Straw-VY DK	48	18	45	17	41	16
3853	Autumn Gold-DK	5	1	5	1	5	1
3856	Mahogany-UL VY LT	398	156	379	149	341	134
3861	Cocoa-LT	30	11	29	11	26	10
3862	Mocha Beige-DK	205	80	196	77	176	69
3863	Mocha Beige-MD	100	39	95	37	86	33
3864	Mocha Beige-LT	317	124	302	118	272	107
3866	Mocha Brown-UL VY LT	277	109	264	103	237	93
Ecru	Ecru	320	125	304	119	274	107



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	40	14	33	12	17	6
300	Mahogany-VY DK	1026	403	855	336	428	168
353	Peach	94	36	78	30	39	15
369	Pistachio Green-VY LT	11	4	9	3	5	2
370	Mustard-MD	79	31	66	26	33	13
371	Mustard	430	169	359	141	179	71
372	Mustard-LT	297	115	248	96	124	48
400	Mahogany-DK	171	67	143	56	71	28
402	Mahogany-VY LT	202	79	168	66	84	33
407	Desert Sand-DK	331	130	276	108	138	54
420	Hazelnut Brown-DK	738	290	615	242	308	121
433	Brown-MD	151	59	126	50	63	25
434	Brown-LT	140	54	117	45	59	23
435	Brown-VY LT	657	257	548	215	274	107
436	Tan	675	265	563	221	281	110
437	Tan-LT	724	284	603	237	302	119
451	Shell Gray-DK	70	27	59	23	29	11
452	Shell Gray-MD	99	38	83	32	41	16
453	Shell Gray-LT	149	58	125	48	62	24
522	Fern Green	1015	400	846	333	423	167
523	Fern Green-LT	1123	441	936	368	468	184
524	Fern Green-VY LT	1145	450	954	375	477	188
535	Ash Gray-VY LT	50	20	42	17	21	8
543	Beige Brown-UL VY LT	157	61	131	51	65	26
611	Drab Brown	331	130	276	108	138	54
612	Drab Brown-LT	463	182	386	152	193	76
613	Drab Brown-VY LT	151	59	126	50	63	25
632	Desert Sand-UL VY DK	90	34	75	29	38	14
640	Beige Gray-VY DK	146	56	122	47	61	23
644	Beige Gray-MD	268	104	224	87	112	44
645	Beaver Gray-VY DK	146	56	122	47	61	23
646	Beaver Gray-DK	139	54	116	45	58	23
647	Beaver Gray-MD	556	218	464	182	232	91
676	Old Gold-LT	9	2	8	2	4	1
680	Old Gold-DK	459	180	383	150	191	75
720	Orange Spice-DK	58	22	48	18	24	9
721	Orange Spice-MD	7	2	6	2	3	1
722	Orange Spice-LT	5	2	5	2	2	1
725	Topaz	5	2	5	2	2	1
729	Old Gold-MD	191	74	159	62	80	31
730	Olive Green-VY DK	164	63	137	53	68	26
732	Olive Green	173	67	144	56	72	28
734	Olive Green-LT	36	13	30	11	15	5
738	Tan-VY LT	1003	394	836	329	418	164
739	Tan-UL VY LT	830	326	692	272	346	136
746	Off White	866	340	722	284	361	142
754	Peach-LT	439	173	366	144	183	72
780	Topaz-UL VY DK	248	97	207	81	104	41
782	Topaz-DK	131	50	110	42	55	21
783	Topaz-MD	27	9	23	8	11	4
801	Coffee Brown-DK	54	20	45	17	23	8
815	Garnet-MD	40	14	33	12	17	6
817	Coral Red-VY DK	36	13	30	11	15	5

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822	Beige Gray-LT	362	142	302	119	151	59
829	Golden Olive-VY DK	128	49	107	41	53	20
832	Golden Olive	27	9	23	8	11	4
842	Beige Brown-VY LT	247	95	206	80	103	40
844	Beaver Brown-UL DK	148	58	123	48	62	24
869	Hazelnut Brown-VY DK	553	216	461	180	230	90
898	Coffee Brown-VY DK	362	142	302	119	151	59
920	Copper-MD	76	29	63	24	32	12
921	Copper	11	4	9	3	5	2
922	Copper-LT	18	5	15	5	8	2
938	Coffee Brown-UL DK	274	106	228	89	114	44
945	Tawny	1208	475	1007	396	503	198
948	Peach-VY LT	668	263	557	219	278	110
950	Desert Sand-LT	121	47	101	39	50	20
951	Tawny-LT	970	382	809	318	404	159
972	Canary-DK	9	2	8	2	4	1
975	Golden Brown-DK	236	92	197	77	98	38
976	Golden Brown-MD	85	32	71	27	35	14
977	Golden Brown-LT	38	14	32	12	16	6
3012	Khaki Green-MD	596	234	497	195	248	98
3021	Brown Gray-VY DK	85	32	71	27	35	14
3022	Brown Gray-MD	38	14	32	12	16	6
3023	Brown Gray-LT	61	23	51	20	26	10
3032	Mocha Brown-MD	358	140	299	117	149	59
3033	Mocha Brown-VY LT	97	38	81	32	41	16
3041	Antique Violet-MD	70	27	59	23	29	11
3045	Yellow Beige-DK	239	94	200	78	100	39
3046	Yellow Beige-MD	70	27	59	23	29	11
3051	Green Gray-DK	220	86	183	72	92	36
3052	Green Gray-MD	493	193	411	161	206	80
3053	Green Gray	677	266	564	222	282	111
3346	Hunter Green	335	131	279	110	140	55
3363	Pine Green-MD	59	22	50	18	25	9
3371	Black Brown	747	293	623	245	311	122
3770	Tawny-VY LT	1364	536	1137	447	569	224
3776	Mahogany-LT	198	77	165	65	83	32
3781	Mocha Brown-DK	121	47	101	39	50	20
3782	Mocha Brown-LT	180	70	150	59	75	29
3787	Brown Gray-DK	77	29	65	24	32	12
3799	Pewter Gray-VY DK	14	5	12	5	6	2
3820	Straw-DK	34	13	29	11	14	5
3824	Apricot-LT	22	7	18	6	9	3
3827	Golden Brown-Pale	34	13	29	11	14	5
3828	Hazelnut Brown	1125	443	938	369	469	185
3829	Old Gold-VY DK	59	22	50	18	25	9
3852	Straw-VY DK	74	29	62	24	31	12
3853	Autumn Gold-DK	9	2	8	2	4	1
3856	Mahogany-UL VY LT	614	241	512	201	256	101
3861	Cocoa-LT	47	18	39	15	20	8
3862	Mocha Beige-DK	317	124	264	104	132	52
3863	Mocha Beige-MD	155	59	129	50	65	25
3864	Mocha Beige-LT	490	193	408	161	204	80
3866	Mocha Brown-UL VY LT	427	167	356	140	178	70
Ecru	Ecru	493	193	411	161	206	80

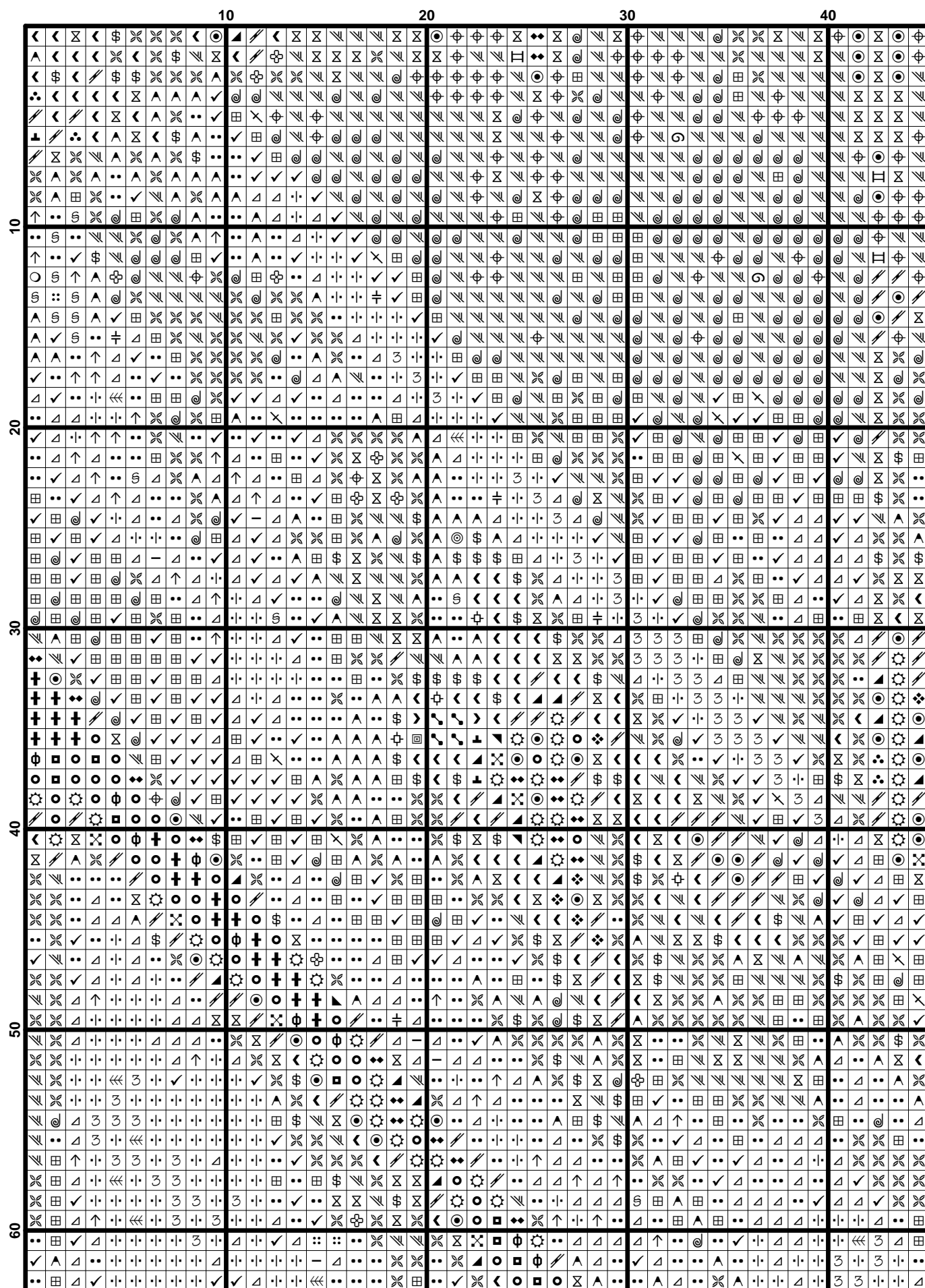
Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
224	Shell Pink-VY LT	16	6	15	6	15	5
300	Mahogany-VY DK	410	161	395	155	380	149
353	Peach	37	14	36	14	35	13
369	Pistachio Green-VY LT	4	1	4	1	4	1
370	Mustard-MD	32	12	30	12	29	11
371	Mustard	172	68	165	65	159	63
372	Mustard-LT	119	46	114	44	110	43
400	Mahogany-DK	68	27	66	26	63	25
402	Mahogany-VY LT	81	32	78	30	75	29
407	Desert Sand-DK	132	52	127	50	123	48
420	Hazelnut Brown-DK	295	116	284	111	273	107
433	Brown-MD	60	24	58	23	56	22
434	Brown-LT	56	22	54	21	52	20
435	Brown-VY LT	263	103	253	99	243	95
436	Tan	270	106	260	102	250	98
437	Tan-LT	289	114	278	109	268	105
451	Shell Gray-DK	28	11	27	10	26	10
452	Shell Gray-MD	40	15	38	15	37	14
453	Shell Gray-LT	60	23	57	22	55	21
522	Fern Green	406	160	390	154	376	148
523	Fern Green-LT	449	176	432	170	416	163
524	Fern Green-VY LT	458	180	440	173	424	167
535	Ash Gray-VY LT	20	8	19	8	19	7
543	Beige Brown-UL VY LT	63	24	60	24	58	23
611	Drab Brown	132	52	127	50	123	48
612	Drab Brown-LT	185	73	178	70	171	67
613	Drab Brown-VY LT	60	24	58	23	56	22
632	Desert Sand-UL VY DK	36	14	35	13	33	13
640	Beige Gray-VY DK	58	22	56	21	54	21
644	Beige Gray-MD	107	42	103	40	99	39
645	Beaver Gray-VY DK	58	22	56	21	54	21
646	Beaver Gray-DK	55	22	53	21	51	20
647	Beaver Gray-MD	222	87	214	84	206	81
676	Old Gold-LT	4	1	3	1	3	1
680	Old Gold-DK	184	72	177	69	170	67
720	Orange Spice-DK	23	9	22	8	21	8
721	Orange Spice-MD	3	1	3	1	3	1
722	Orange Spice-LT	2	1	2	1	2	1
725	Topaz	2	1	2	1	2	1
729	Old Gold-MD	76	30	73	28	71	27
730	Olive Green-VY DK	66	25	63	24	61	23
732	Olive Green	69	27	66	26	64	25
734	Olive Green-LT	14	5	14	5	13	5
738	Tan-VY LT	401	158	386	152	371	146
739	Tan-UL VY LT	332	130	319	125	307	121
746	Off White	346	136	333	131	321	126
754	Peach-LT	176	69	169	66	163	64
780	Topaz-UL VY DK	99	39	96	37	92	36
782	Topaz-DK	53	20	51	19	49	19
783	Topaz-MD	11	4	10	3	10	3
801	Coffee Brown-DK	22	8	21	8	20	7
815	Garnet-MD	16	6	15	6	15	5
817	Coral Red-VY DK	14	5	14	5	13	5

822	Beige Gray-LT	145	57	139	55	134	53
829	Golden Olive-VY DK	51	19	49	19	47	18
832	Golden Olive	11	4	10	3	10	3
842	Beige Brown-VY LT	99	38	95	37	91	35
844	Beaver Brown-UL DK	59	23	57	22	55	21
869	Hazelnut Brown-VY DK	221	86	213	83	205	80
898	Coffee Brown-VY DK	145	57	139	55	134	53
920	Copper-MD	30	12	29	11	28	11
921	Copper	4	1	4	1	4	1
922	Copper-LT	7	2	7	2	7	2
938	Coffee Brown-UL DK	109	42	105	41	101	39
945	Tawny	483	190	465	183	447	176
948	Peach-VY LT	267	105	257	101	247	97
950	Desert Sand-LT	48	19	46	18	45	17
951	Tawny-LT	388	153	373	147	359	141
972	Canary-DK	4	1	3	1	3	1
975	Golden Brown-DK	94	37	91	35	87	34
976	Golden Brown-MD	34	13	33	12	31	12
977	Golden Brown-LT	15	6	15	6	14	5
3012	Khaki Green-MD	238	94	229	90	221	87
3021	Brown Gray-VY DK	34	13	33	12	31	12
3022	Brown Gray-MD	15	6	15	6	14	5
3023	Brown Gray-LT	24	9	24	9	23	9
3032	Mocha Brown-MD	143	56	138	54	133	52
3033	Mocha Brown-VY LT	39	15	37	15	36	14
3041	Antique Violet-MD	28	11	27	10	26	10
3045	Yellow Beige-DK	96	37	92	36	89	35
3046	Yellow Beige-MD	28	11	27	10	26	10
3051	Green Gray-DK	88	35	84	33	81	32
3052	Green Gray-MD	197	77	190	74	183	71
3053	Green Gray	271	107	260	102	251	99
3346	Hunter Green	134	53	129	51	124	49
3363	Pine Green-MD	24	9	23	8	22	8
3371	Black Brown	299	117	287	113	277	109
3770	Tawny-VY LT	546	215	525	206	505	199
3776	Mahogany-LT	79	31	76	30	73	29
3781	Mocha Brown-DK	48	19	46	18	45	17
3782	Mocha Brown-LT	72	28	69	27	67	26
3787	Brown Gray-DK	31	12	30	11	29	11
3799	Pewter Gray-VY DK	6	2	6	2	5	2
3820	Straw-DK	14	5	13	5	13	5
3824	Apricot-LT	9	3	8	3	8	3
3827	Golden Brown-Pale	14	5	13	5	13	5
3828	Hazelnut Brown	450	177	433	170	417	164
3829	Old Gold-VY DK	24	9	23	8	22	8
3852	Straw-VY DK	30	12	28	11	27	11
3853	Autumn Gold-DK	4	1	3	1	3	1
3856	Mahogany-UL VY LT	246	96	236	93	227	89
3861	Cocoa-LT	19	7	18	7	17	7
3862	Mocha Beige-DK	127	50	122	48	117	46
3863	Mocha Beige-MD	62	24	60	23	57	22
3864	Mocha Beige-LT	196	77	188	74	181	71
3866	Mocha Brown-UL VY LT	171	67	164	64	158	62
Ecru	Ecru	197	77	190	74	183	71

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	14	5	13	5	12	5
300	Mahogany-VY DK	366	144	342	134	321	126
353	Peach	33	13	31	12	29	11
369	Pistachio Green-VY LT	4	1	4	1	3	1
370	Mustard-MD	28	11	26	10	25	10
371	Mustard	154	60	143	56	134	53
372	Mustard-LT	106	41	99	38	93	36
400	Mahogany-DK	61	24	57	22	53	21
402	Mahogany-VY LT	72	28	67	26	63	25
407	Desert Sand-DK	118	46	110	43	104	41
420	Hazelnut Brown-DK	264	104	246	97	231	91
433	Brown-MD	54	21	50	20	47	19
434	Brown-LT	50	19	47	18	44	17
435	Brown-VY LT	235	92	219	86	205	80
436	Tan	241	95	225	88	211	83
437	Tan-LT	258	102	241	95	226	89
451	Shell Gray-DK	25	10	23	9	22	8
452	Shell Gray-MD	35	14	33	13	31	12
453	Shell Gray-LT	53	21	50	19	47	18
522	Fern Green	363	143	338	133	317	125
523	Fern Green-LT	401	158	374	147	351	138
524	Fern Green-VY LT	409	161	382	150	358	141
535	Ash Gray-VY LT	18	7	17	7	16	6
543	Beige Brown-UL VY LT	56	22	52	20	49	19
611	Drab Brown	118	46	110	43	104	41
612	Drab Brown-LT	165	65	154	61	145	57
613	Drab Brown-VY LT	54	21	50	20	47	19
632	Desert Sand-UL VY DK	32	12	30	11	28	11
640	Beige Gray-VY DK	52	20	49	19	46	17
644	Beige Gray-MD	96	37	89	35	84	33
645	Beaver Gray-VY DK	52	20	49	19	46	17
646	Beaver Gray-DK	50	19	46	18	43	17
647	Beaver Gray-MD	199	78	185	73	174	68
676	Old Gold-LT	3	1	3	1	3	1
680	Old Gold-DK	164	64	153	60	143	56
720	Orange Spice-DK	21	8	19	7	18	7
721	Orange Spice-MD	3	1	2	1	2	1
722	Orange Spice-LT	2	1	2	1	2	1
725	Topaz	2	1	2	1	2	1
729	Old Gold-MD	68	26	64	25	60	23
730	Olive Green-VY DK	59	23	55	21	51	20
732	Olive Green	62	24	58	22	54	21
734	Olive Green-LT	13	5	12	4	11	4
738	Tan-VY LT	358	141	334	131	313	123
739	Tan-UL VY LT	296	116	277	109	259	102
746	Off White	309	122	289	113	271	106
754	Peach-LT	157	62	146	58	137	54
780	Topaz-UL VY DK	89	35	83	32	78	30
782	Topaz-DK	47	18	44	17	41	16
783	Topaz-MD	10	3	9	3	8	3
801	Coffee Brown-DK	19	7	18	7	17	6
815	Garnet-MD	14	5	13	5	12	5
817	Coral Red-VY DK	13	5	12	4	11	4

822	Beige Gray-LT	129	51	121	47	113	44
829	Golden Olive-VY DK	46	17	43	16	40	15
832	Golden Olive	10	3	9	3	8	3
842	Beige Brown-VY LT	88	34	82	32	77	30
844	Beaver Brown-UL DK	53	21	49	19	46	18
869	Hazelnut Brown-VY DK	197	77	184	72	173	68
898	Coffee Brown-VY DK	129	51	121	47	113	44
920	Copper-MD	27	10	25	10	24	9
921	Copper	4	1	4	1	3	1
922	Copper-LT	6	2	6	2	6	2
938	Coffee Brown-UL DK	98	38	91	35	86	33
945	Tawny	431	170	403	158	377	149
948	Peach-VY LT	239	94	223	88	209	82
950	Desert Sand-LT	43	17	40	16	38	15
951	Tawny-LT	347	136	323	127	303	119
972	Canary-DK	3	1	3	1	3	1
975	Golden Brown-DK	84	33	79	31	74	29
976	Golden Brown-MD	30	12	28	11	26	10
977	Golden Brown-LT	14	5	13	5	12	5
3012	Khaki Green-MD	213	84	199	78	186	73
3021	Brown Gray-VY DK	30	12	28	11	26	10
3022	Brown Gray-MD	14	5	13	5	12	5
3023	Brown Gray-LT	22	8	20	8	19	7
3032	Mocha Brown-MD	128	50	119	47	112	44
3033	Mocha Brown-VY LT	35	14	32	13	30	12
3041	Antique Violet-MD	25	10	23	9	22	8
3045	Yellow Beige-DK	86	33	80	31	75	29
3046	Yellow Beige-MD	25	10	23	9	22	8
3051	Green Gray-DK	78	31	73	29	69	27
3052	Green Gray-MD	176	69	164	64	154	60
3053	Green Gray	242	95	226	89	212	83
3346	Hunter Green	120	47	112	44	105	41
3363	Pine Green-MD	21	8	20	7	19	7
3371	Black Brown	267	105	249	98	233	92
3770	Tawny-VY LT	487	192	455	179	426	168
3776	Mahogany-LT	71	28	66	26	62	24
3781	Mocha Brown-DK	43	17	40	16	38	15
3782	Mocha Brown-LT	64	25	60	23	56	22
3787	Brown Gray-DK	28	10	26	10	24	9
3799	Pewter Gray-VY DK	5	2	5	2	5	2
3820	Straw-DK	12	5	11	4	11	4
3824	Apricot-LT	8	3	7	2	7	2
3827	Golden Brown-Pale	12	5	11	4	11	4
3828	Hazelnut Brown	402	158	375	148	352	138
3829	Old Gold-VY DK	21	8	20	7	19	7
3852	Straw-VY DK	26	10	25	10	23	9
3853	Autumn Gold-DK	3	1	3	1	3	1
3856	Mahogany-UL VY LT	219	86	205	80	192	75
3861	Cocoa-LT	17	6	16	6	15	6
3862	Mocha Beige-DK	113	44	106	41	99	39
3863	Mocha Beige-MD	55	21	52	20	48	19
3864	Mocha Beige-LT	175	69	163	64	153	60
3866	Mocha Brown-UL VY LT	152	60	142	56	133	52
Ecru	Ecru	176	69	164	64	154	60





(9)

	90									100									110									120																																																																																																																																																																																																										
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[illegible]

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(12)

[illegible]

[illegible]



$$\begin{aligned} & \left( \frac{\partial}{\partial t} + \nabla_{\vec{v}} \cdot \vec{v} \right) f = - \nabla_{\vec{v}} \cdot (\vec{v} f) \\ & \left( \frac{\partial}{\partial t} + \nabla_{\vec{v}} \cdot \vec{v} \right) f = - \nabla_{\vec{v}} \cdot (\vec{v} f) \end{aligned} \tag{15}$$

[illegible]

[illegible]

[illegible]

[illegible]

$$(20) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (21)$$

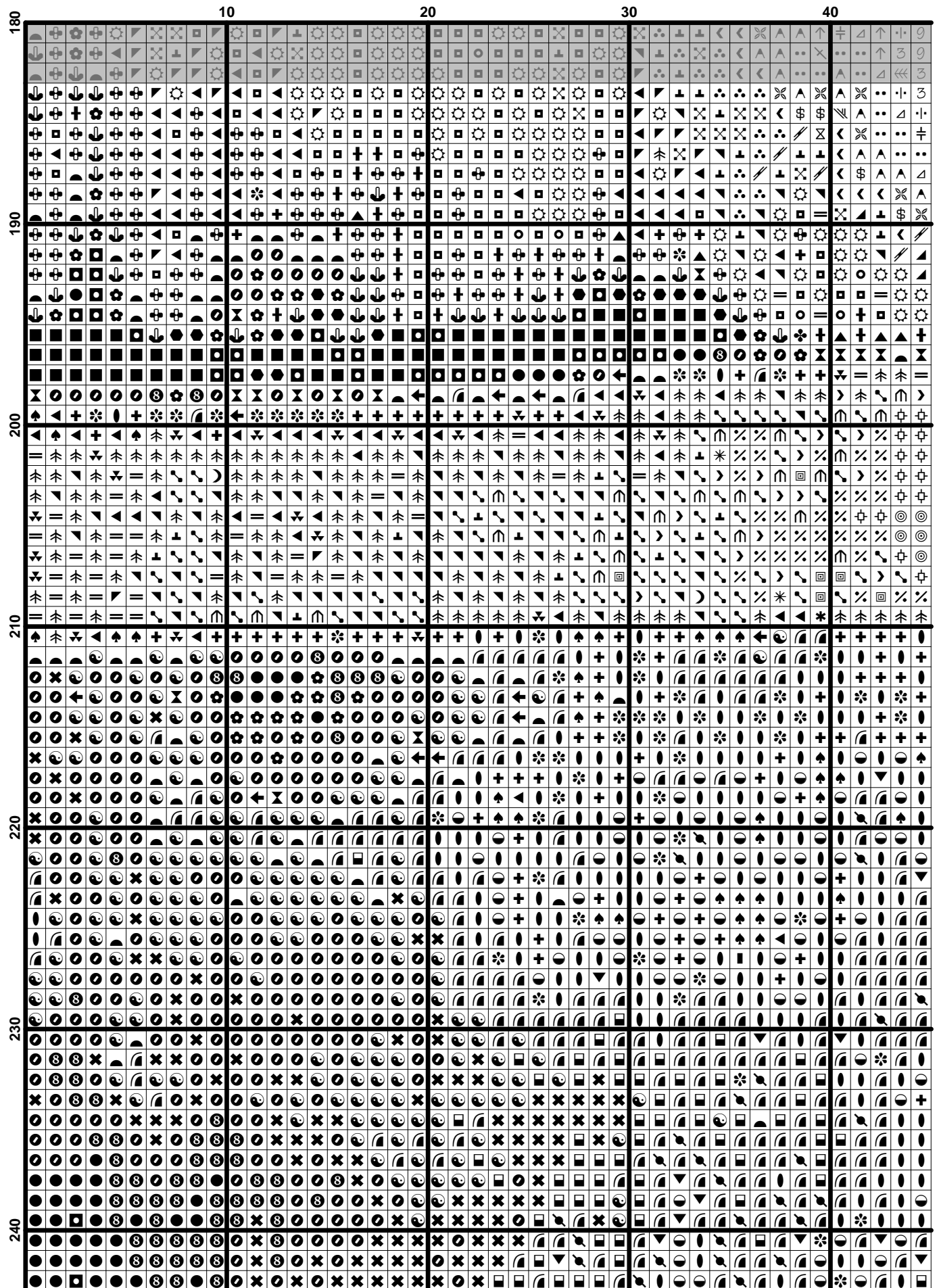
$$(21) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (22)$$



120	130	140	150	160	170
120	130	140	150	160	170
130	140	150	160	170	
140	150	160	170		
150	160	170			
160	170				
170					
180					

	170	180	190	200	210
120					
130					
140					
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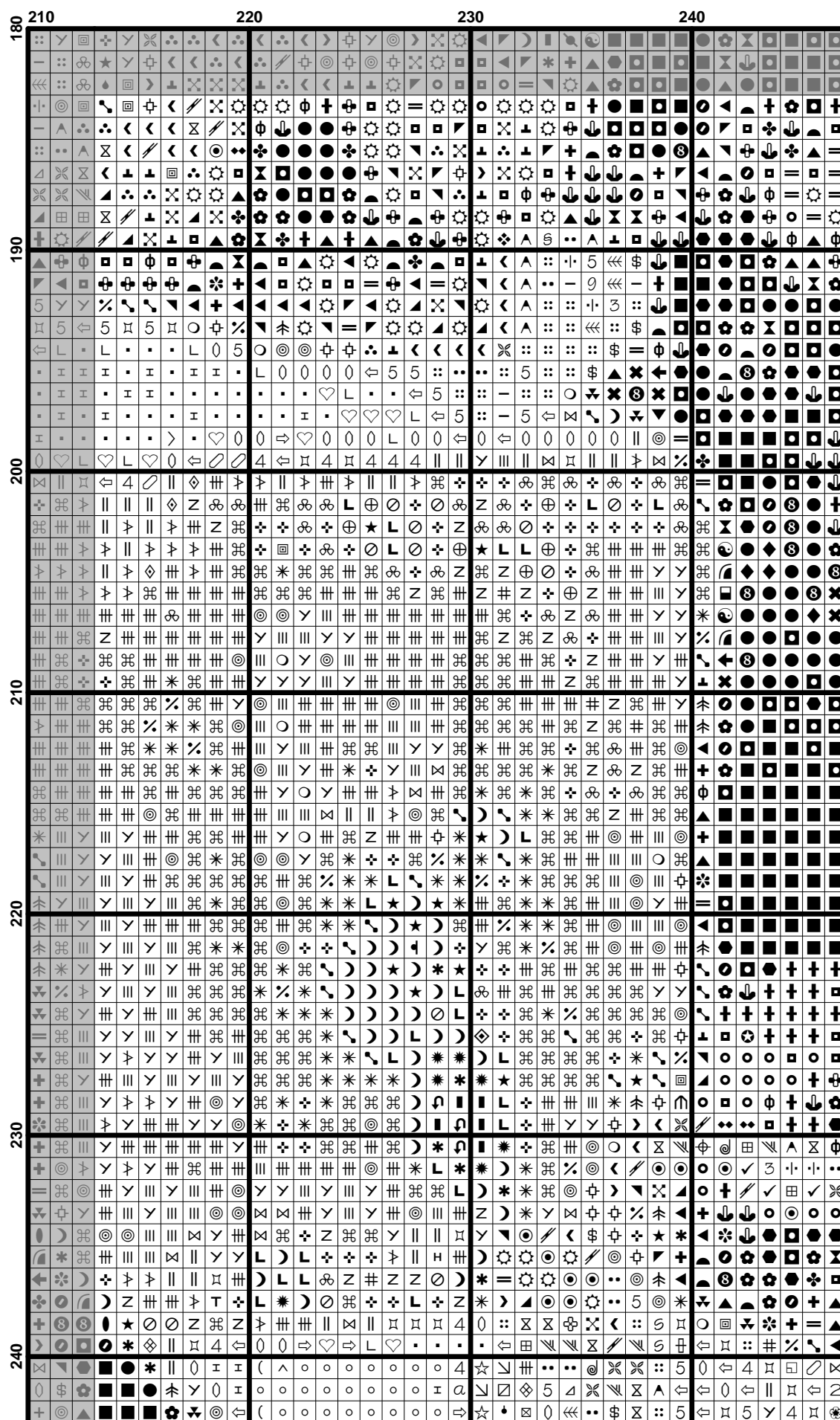
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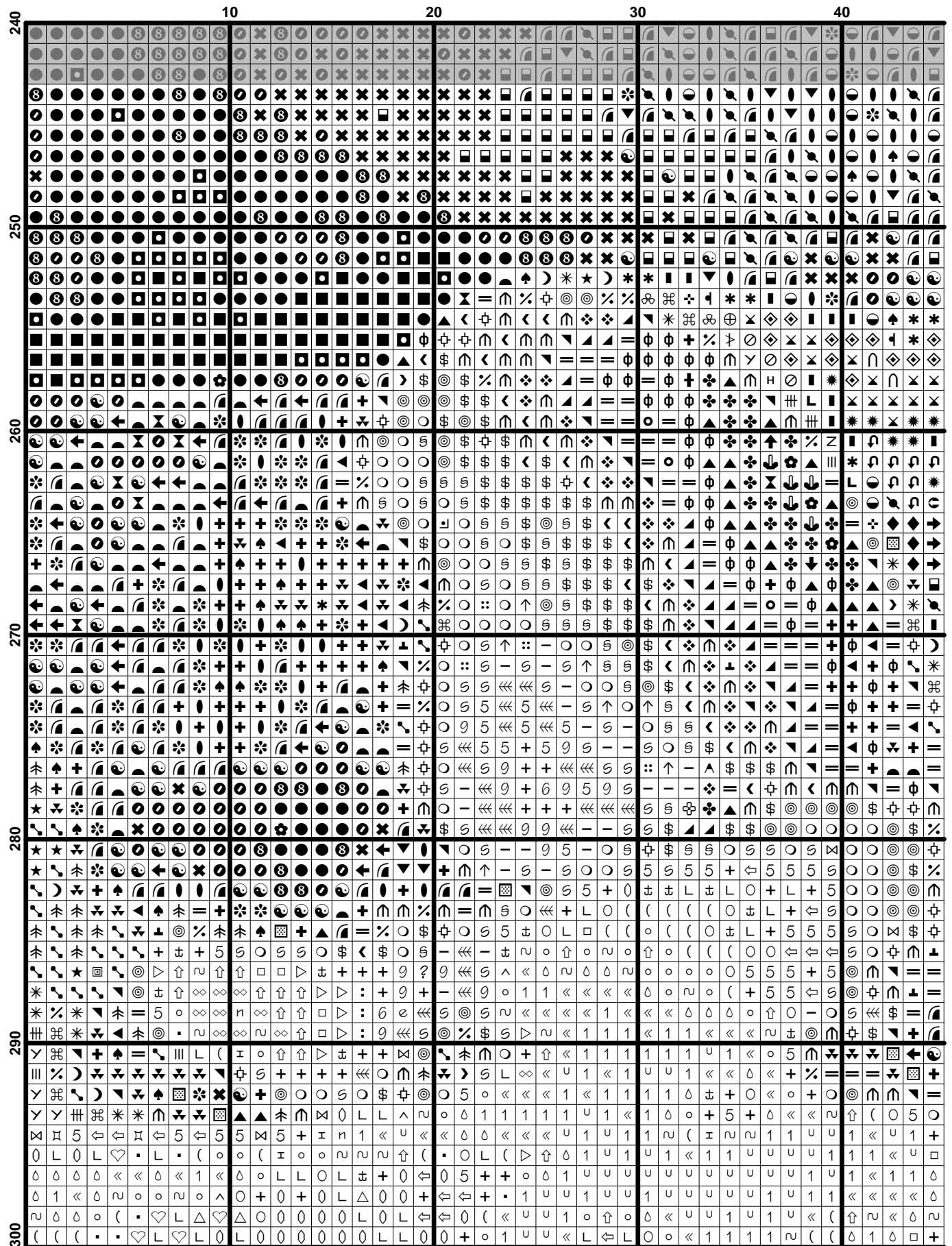
$$(27) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (28)$$

[illegible]



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





	50	60	70	80
240				
250				
260				
270				
280				
290				
300				

[illegible]

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