Binary tree with ones and zeros

Needlepoint pattern | 140 x 140 stitches | 14 x 14 in (35.6 x 35.6 cm) on 10 mesh | 23 colors



Thread key, DMC

			stitches	yards	skeins
●	3325	Light Baby Blue	5,283	66	8
□	336	Navy Blue	2,559	32	4
▲	B5200	Snow White	2,056	26	4
◆	3841	Pale Baby Blue	1,967	25	3
▼	895	Very Dark Hunter Green	893	11	2
★	726	Light Topaz	889	11	2
❖	322	Dark Baby Blue	764	10	2
X	970	Light Pumpkin	736	10	2
O	898	Very Dark Coffee Brown	455	6	1
+	702	Kelly Green	441	6	1
=	437	Light Tan	440	6	1
Z	642	Dark Beige Gray	412	6	1
A	741	Medium Tangerine	359	5	1
V	435	Very Light Brown	334	5	1
T	704	Bright Chartreuse	328	5	1
N	3078	Very Light Golden Yellow	310	4	1
S	433	Medium Brown	265	4	1
K	900	Dark Burnt Orange	226	3	1
E	783	Medium Topaz	222	3	1
C	3753	Ultra Very Light Antique Blue	204	3	1
P	3790	Ultra Dark Beige Gray	199	3	1
U	822	Light Beige Gray	131	2	1
L	3326	Light Rose	127	2	1

One chart square is one tent stitch over one canvas intersection.

Cut the canvas at least 18 x 18 in (45.7 x 45.7 cm) for 10 mesh: the design and 2 in (5.1 cm) of margin on every side.

19,600 stitches in all. Start from the center: a red arrow above the chart marks the center column, and one to the left of it the center row. The arrows are on the pages those lines cross.

The chart is divided evenly over 4 pages. Where chart pages join, gray squares repeat two rows or columns. The small picture at the top of each chart page shows which part it is.

Thread: pearl cotton size 3, 2 strands in the needle on 10 mesh, about 42 skeins of 16.4 yd in all. Or six-strand floss, 8 to 10 strands, about 58 skeins of 8.7 yd; or tapestry wool, 1 strand, about 41 skeins of 8.7 yd; or Persian wool, 3 strands, about 44 skeins of 8 yd. Wool is numbered differently: match it by eye. Needle: tapestry, size 16 or 18.

Yards and skeins are estimates: the thread a stitch takes on the front and back of 10 mesh canvas, plus 30 percent, rounded up for each color (about 254 yards in all, as the thread lies in the needle).

Thread colors are approximate screen matches to DMC numbers. Check against real thread before you buy.

Make it a pillow: also have backing fabric, an insert the size of the stitching or an inch larger, and cord or piping for the edge. The seam takes the last two rows: stitch two extra rows all round, or keep the edge plain. "How to finish a pillow" is a guide linked from this pattern's page.

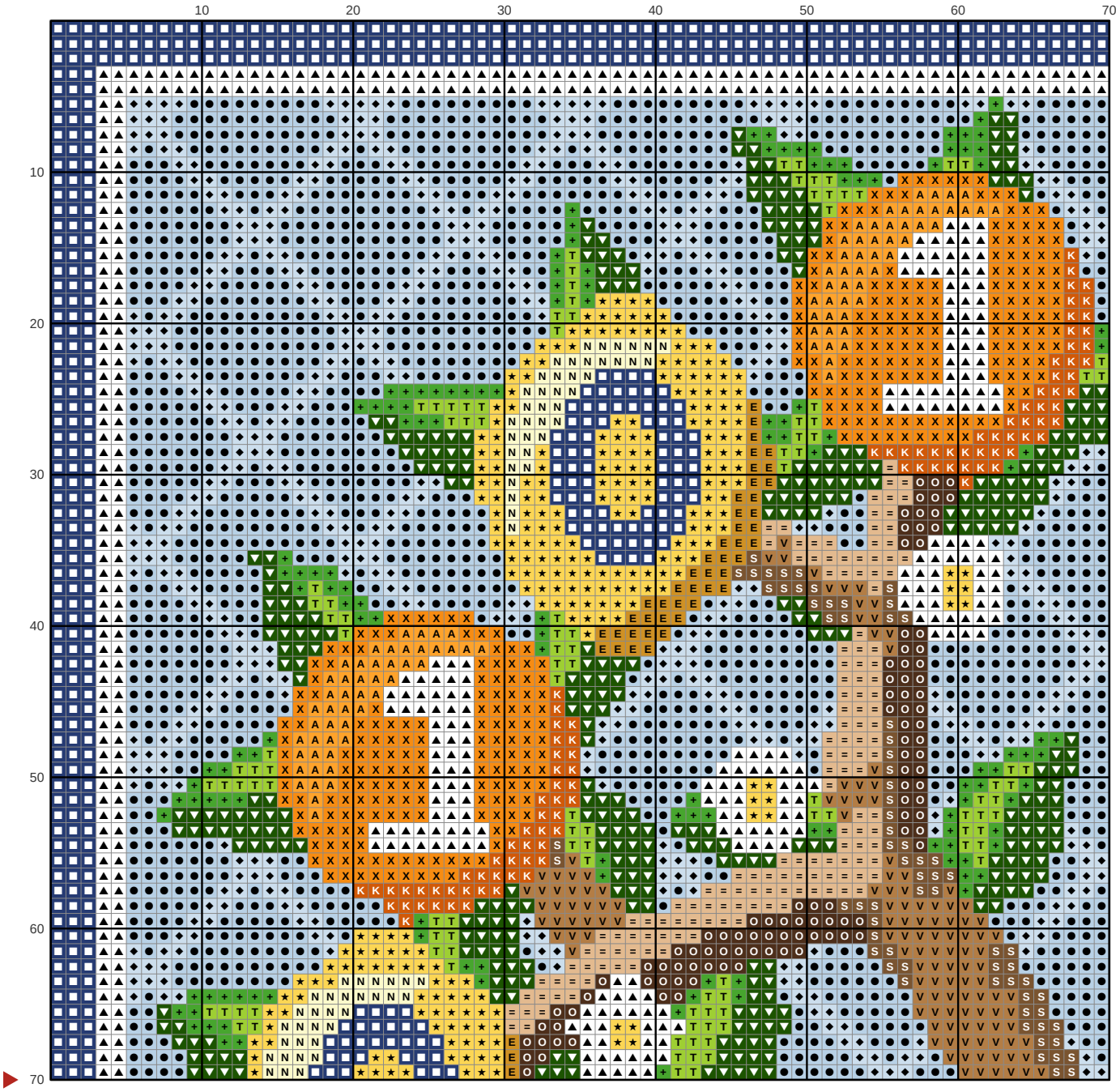
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Binary tree with ones and zeros

Needlepoint pattern

Chart 1 of 4: columns 1 to 70, rows 1 to 70

This page is the dark part of the chart



Key

●	**DMC 3325** Light Baby Blue	X	**DMC 970** Light Pumpkin	T	**DMC 704** Bright Chartreuse
■	**DMC 336** Navy Blue	O	**DMC 898** Very Dark Coffee Brown	N	**DMC 3078** Very Light Golden Yellow
▲	**DMC B5200** Snow White	+	**DMC 702** Kelly Green	S	**DMC 433** Medium Brown
◆	**DMC 3841** Pale Baby Blue	=	**DMC 437** Light Tan	K	**DMC 900** Dark Burnt Orange
▼	**DMC 895** Very Dark Hunter Green	A	**DMC 741** Medium Tangerine	E	**DMC 783** Medium Topaz
★	**DMC 726** Light Topaz	V	**DMC 435** Very Light Brown		

Binary tree with ones and zeros

Needlepoint pattern

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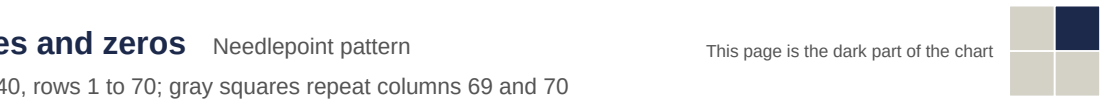
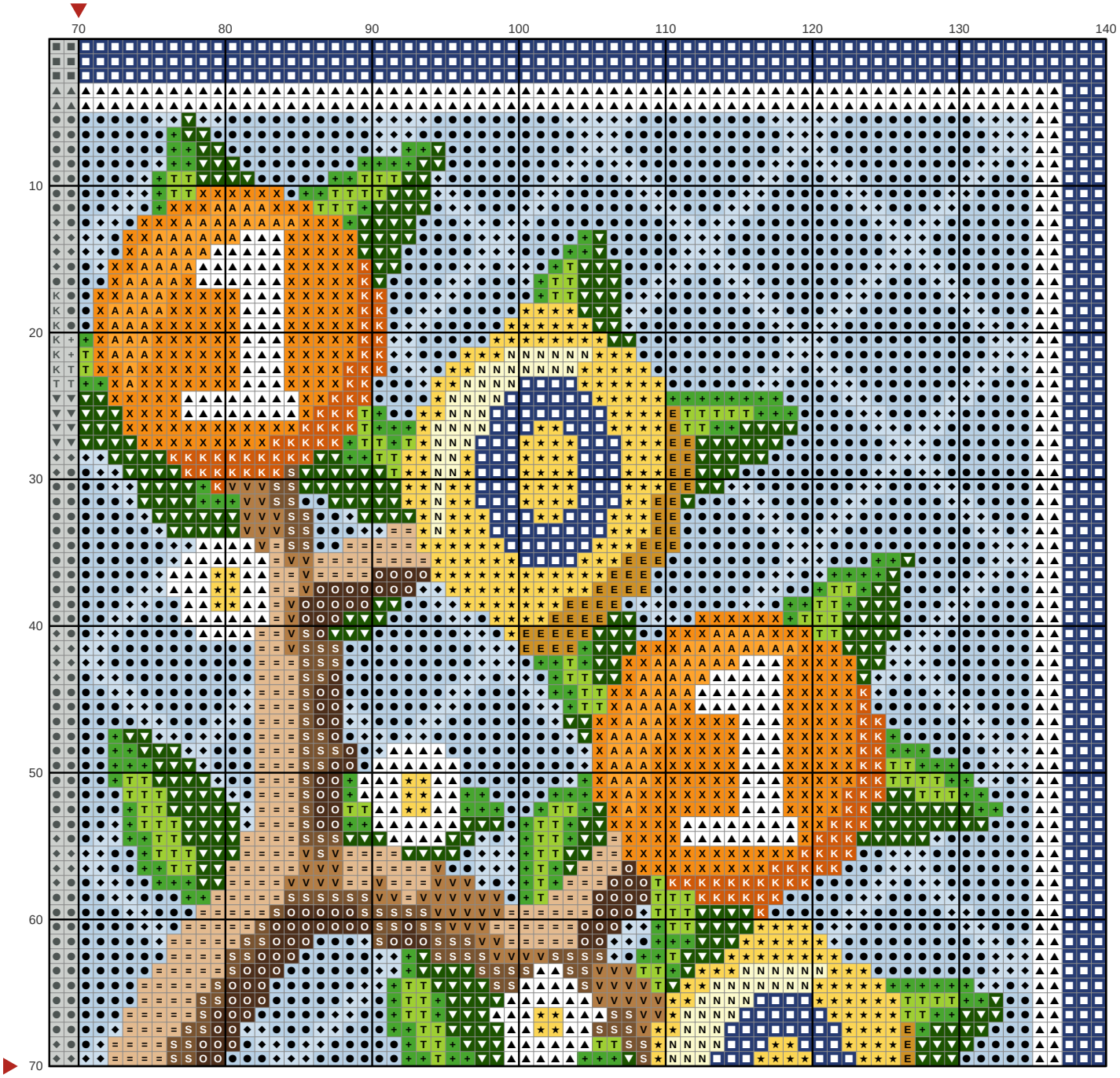


Chart 2 of 4: columns 71 to 140, rows 1 to 70; gray squares repeat columns 69 and 70



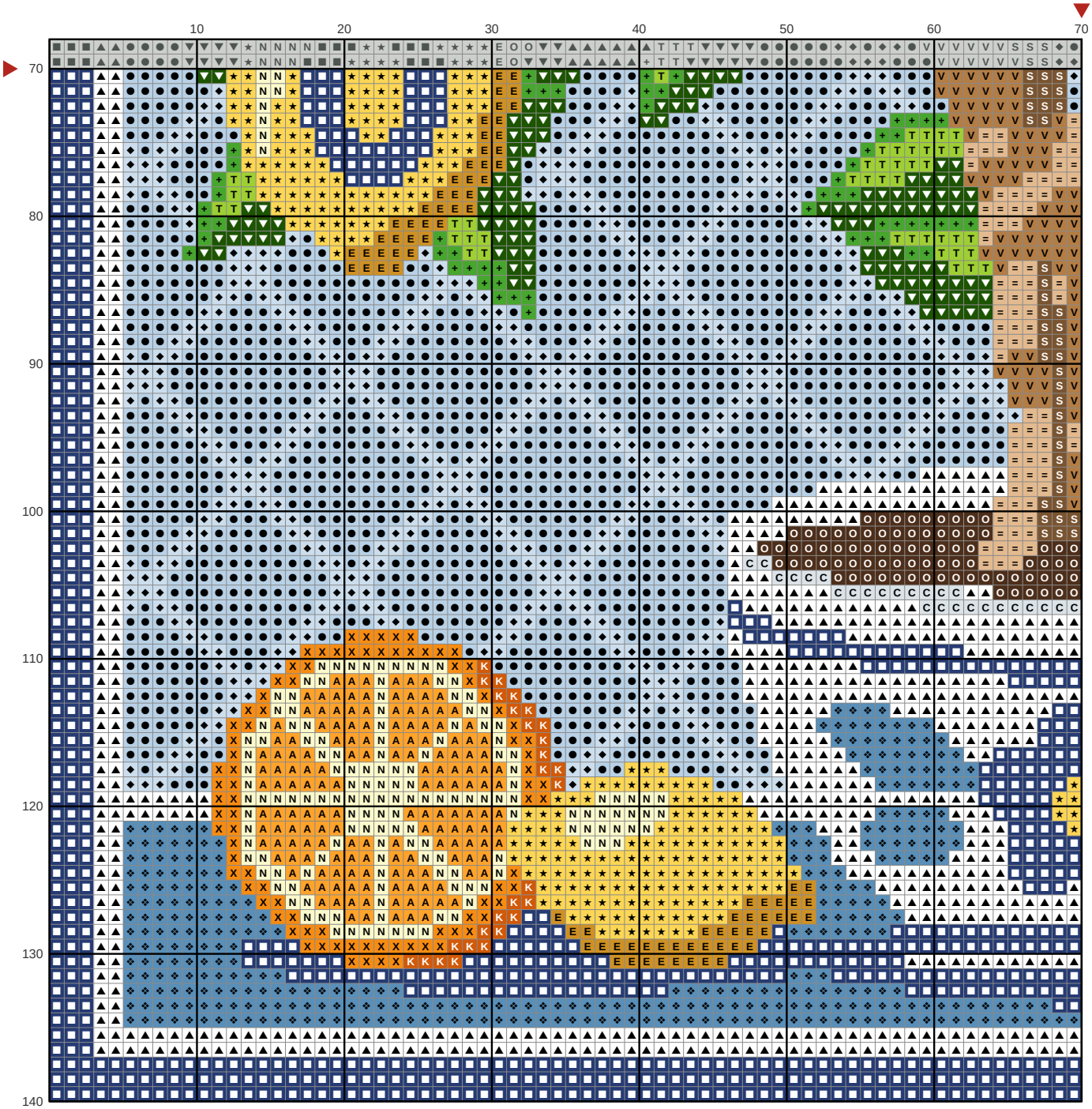
Key

- ● **DMC 3325** Light Baby Blue
- ■ **DMC 336** Navy Blue
- ▲ **DMC B5200** Snow White
- ◆ **DMC 3841** Pale Baby Blue
- ▼ **DMC 895** Very Dark Hunter Green
- ★ **DMC 726** Light Topaz
- X **DMC 970** Light Pumpkin
- O **DMC 898** Very Dark Coffee Brown
- \+ **DMC 702** Kelly Green
- = **DMC 437** Light Tan
- A **DMC 741** Medium Tangerine
- V **DMC 435** Very Light Brown
- T **DMC 704** Bright Chartreuse
- N **DMC 3078** Very Light Golden Yellow
- S **DMC 433** Medium Brown
- K **DMC 900** Dark Burnt Orange
- E **DMC 783** Medium Topaz

Binary tree with ones and zeros Needlepoint pattern

This page is the dark part of the chart

Chart 3 of 4: columns 1 to 70, rows 71 to 140; gray squares repeat rows 69 and 70



Key

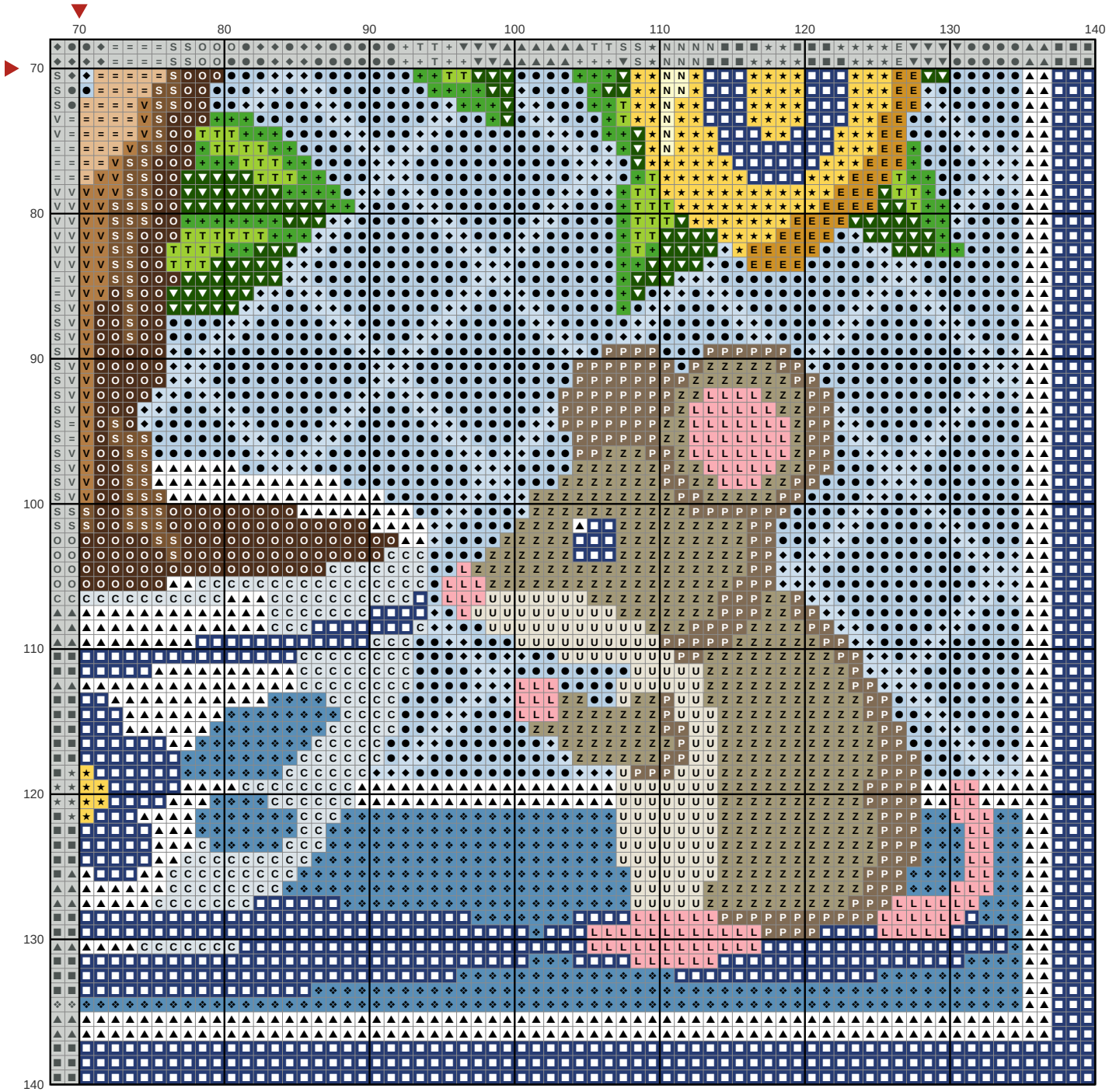
- ● **DMC 3325** Light Baby Blue
- ■ **DMC 336** Navy Blue
- ▲ **DMC B5200** Snow White
- ◆ **DMC 3841** Pale Baby Blue
- ▼ **DMC 895** Very Dark Hunter Green
- ★ **DMC 726** Light Topaz
- ❖ **DMC 322** Dark Baby Blue
- X **DMC 970** Light Pumpkin
- O **DMC 898** Very Dark Coffee Brown
- \+ **DMC 702** Kelly Green
- = **DMC 437** Light Tan
- A **DMC 741** Medium Tangerine
- V **DMC 435** Very Light Brown
- T **DMC 704** Bright Chartreuse
- N **DMC 3078** Very Light Golden Yellow
- S **DMC 433** Medium Brown
- K **DMC 900** Dark Burnt Orange
- E **DMC 783** Medium Topaz
- C **DMC 3753** Ultra Very Light Antique Blue

Binary tree with ones and zeros

Needlepoint pattern

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Chart 4 of 4: columns 71 to 140, rows 71 to 140; gray squares repeat columns 69 and 70 and rows 69 and 70



Key

- ● **DMC 3325** Light Baby Blue
- ■ **DMC 336** Navy Blue
- ▲ **DMC B5200** Snow White
- ◆ **DMC 3841** Pale Baby Blue
- ▼ **DMC 895** Very Dark Hunter Green
- ★ **DMC 726** Light Topaz
- ❖ **DMC 322** Dark Baby Blue
- O **DMC 898** Very Dark Coffee Brown
- \+ **DMC 702** Kelly Green
- = **DMC 437** Light Tan
- Z **DMC 642** Dark Beige Gray
- V **DMC 435** Very Light Brown
- T **DMC 704** Bright Chartreuse
- N **DMC 3078** Very Light Golden Yellow
- S **DMC 433** Medium Brown
- E **DMC 783** Medium Topaz
- C **DMC 3753** Ultra Very Light Antique Blue
- P **DMC 3790** Ultra Dark Beige Gray
- U **DMC 822** Light Beige Gray
- L **DMC 3326** Light Rose