

Expanded Broken Star

Workshop with Jan Krentz



Barcelona Floral Fiesta, © 2012 by Jan Krentz, 100" x 100"

Sew a beautiful *Expanded Broken Star* quilt with the ease of straight piecing, and *no "Y" seams!* Based upon the Quick Broken Star pattern in Jan's book, *Quick Star Quilts & Beyond*, this quilt is best suited for a multi-day retreat-style workshop. The diamonds for the quilt above were all cut from ONE large-scale Alexander Henry fabric.

Although this particular fabric may not be available when you make *your* quilt, select an interesting large-scale print with numerous colors and shapes.



Select several coordinating fabrics for the background triangles and borders. The Floral Fiesta quilt features two similar background fabrics (pink and orange) in the center of the quilt, and two fabrics (blue and green) at the outer edges of the quilt. A narrow dark trim was sewn to the diamond edges in the center star for added contrast.

Finished size: 87" square without borders; 100" square with borders. The finished quilt (after quilting) measures 97-98" square. Your measurements may vary, depending upon seam allowance, border widths, batting thickness and quilting density.

Fabric selection is key to the quilt's striking appearance. Design options and fabric placement will be discussed, aiding in final selection and cutting. Basic assembly begins after cutting all the fabric. You may want to cut the borders and background at home, and cut the focus fabric in class.

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DESIGNING YOUR QUILT & SELECTING FABRICS:

1. Please make multiple copies of the quilt line drawing designs at the end of this supply list. Cut fabric pieces to place in the design spaces on the line drawing.
2. When working with large-scale fabric images, take a photo of the fabric. Print it on paper (thus retaining the pattern, but reducing the size of the print). Cut the paper "fabric" to place into the design.
3. Option 3: use colored pencil to create a color placement chart.

REVIEWING THE ENTIRE DESIGN FROM THE MOCKUP:

4. Position a pair of hinged design mirrors at the center of the mockup to view the entire design. When satisfied with the fabric placement, you are ready to cut.
 - Confident students may pre-cut their fabrics prior to a retreat-style class, although this is unnecessary. The cutting technique will be addressed in class.
 - If you have already cut fabric prior to class, please bring the scraps with you.
 - Bring additional alternative fabric options you may be considering for your project.

QUILT ASSEMBLY PROCESS/CLASSTEXT: The assembly will follow the *Freckled Lily quilt* on pages 71-73 in *Quick Star Quilts & Beyond*. Class members will receive additional handout pages tailored specifically to the Expanded Broken Star design.

QUILT SIZE OPTIONS: The "Barcelona Floral Fiesta" Expanded Broken Star features 45° diamonds cut with the 6 ½" Fast-2-cut Fussy Cutter 45-degree diamond ruler. The finished quilt is approximately 100 inches square with borders.



Under Sea Expanded Broken Star
by Jan P. Krentz (2012) – 42" X 42"

The "Undersea" Expanded Broken Star is a smaller version of the same pattern. The diamonds were cut from a variety of ocean-themed fabrics using the 3" Fussy Cutter 45° ruler. The background fabrics are an assortment of teal colors ranging from light values in the center, through medium and darker values toward the borders. Add borders to enhance the design, increasing the finished size.

72 3" diamonds
40 2" diamonds (at edges)

Dimensions:

Pieced star: 36" x 36" without borders

Finished 42" x 42" with borders as shown

Please refer to the images of other Quick Broken Star Quilts in the book of the same title. You may choose to create a scrappy version, with all diamonds cut from different cloth, the background cut from two shades of the same color (two greens, two tan, etc.). Please feel free to play with the design!

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CUTTING CHART for the 100" Floral Fiesta quilt, using the 6½" 45° diamond ruler

87" square without borders; 98"-100" square with borders of choice.

(Optional: cutting prior to class.) The color chart indicate MY fabrics – please substitute colors that compliment YOUR theme. LABEL ALL PIECES for clarification during construction. WOF = Width of Fabric

Yardage requirements	Location in quilt	CUTTING CHART for larger quilt, using the 6 ½" 45° diamond ruler. LABEL ALL PIECES for clarification during construction.
BORDERS		If using the large-scale printed fabric <u>for the border</u> , please cut the borders first. Cut the remaining fabric in diamond shapes.
1/2 to 3 yds ** Light or bright contrasting color red fabric (**depending whether you want seams in this border)	Narrow inner Border 1	Cut ten – 1 1/2" strips, width of fabric. Sub-cut 2 strips in half at the center-fold. For each border, sew two full width strips plus one half strip to create four long borders. OR: Cut four border strips, 1-1/2" x 94-95" lengthwise, parallel to the selvage.
1-1/2 – 3 yds. Complimentary darker fabric OR large-scale print	Wide outer Border 2	Cut ten – 4-1/2" x 42" border strips (width of fabric). Sub-cut two strips in half at the center-fold. For each border, sew two full width strips plus one half strip to create four long borders. OR: Cut four – 4-1/2" x 102" strips (parallel to the selvage)
45° DIAMONDS	There are large and small diamonds in this quilt. FOR A MULTI-DAY class, <u>we will "team cut" in class</u> . FOR a SINGLE-DAY class, <u>please cut at home</u> . Options: cut diamonds from one fabric, from scraps, from different fabrics – the yardage is generous to permit stacked repeats of the same fabric images. 45° Diamonds may be cut through stacked fabric repeats, or single layers, as preferred.	
6-8 yds. large-scale print * (*See note at end of chart)	45° Diamonds: Two sizes	72 – 6-1/2" Fussy-cut A 45° diamonds from stacked fabric. (We'll address this cutting method in class.) If cutting at home before class: Layer identical repeat cuts (commonly 24"x43")—eight layers deep, or two sets of 4 layers. Cut diamonds from the stacked layers, creating multiple identical diamonds. For more information, refer to <i>One Block Wonder</i> or <i>Stack n' Whack</i> techniques.
		40 – 4" D Fussy-cut or random-cut 45° diamonds
Yi yd. EACH of Two similar-value fabrics (yellow & gold) OR 3/4 yd. of 1 fabric	Background <i>within</i> center star	Cut four – 9-3/8" squares (2 squares each from 2 different fabrics); sub-cut once diagonally to yield 8 B triangles Cut eight – 6-7/8" squares (4 squares each from 2 different fabrics); sub-cut once diagonally to yield 16 C triangles
1/2 yd. EACH of two similar-value fabrics (pink & orange) OR: 1 yd. of 1 fabric	Background <i>surrounding</i> center star	Cut eight – 9-3/8" squares (4 squares each from 2 different fabrics); sub-cut once diagonally to yield 16 B triangles Cut twelve – 6-7/8" squares (6 squares each from 2 different fabrics); sub-cut once diagonally to yield 24 C triangles

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CUTTING CHART for Floral Fiesta quilt, using the 6 1/2" 45° Diamond ruler, continued

Yardage requirements	Location in quilt	CUTTING CHART for larger quilt, using the 6 1/2" 45° diamond ruler. LABEL ALL PIECES for clarification during construction.
1-1/2 yd. EACH: two similar-value fabrics (blue & green) OR 2-3/4 to 3 vds. of one fabric	Background <i>at quilt edges</i>	Cut two - 9-3/4" squares (1 square each from 2 different fabrics); cut 2 x diagonally to 8 G triangles Cut twenty - 6-7/8" squares (10 squares each from 2 different fabrics); cut once diagonally to yield 40 C triangles Cut twenty - 5-7/8" squares (10 squares each from 2 different fabrics); cut once diagonally to yield 40 E triangles Cut twenty - 4-3/8" squares (20 squares each from 2 different fabrics); cut once diagonally to yield 40 F triangles
1/4-1/2 yd. or equivalent scraps	Optional: Narrow accent strip surrounding central diamonds in star	Fabric color should strongly contrast with diamonds and background Cut eight - 3/4" x 44" strips (width of fabric) Sub-cut strips into 11" lengths - total: thirty-two - 3/4" x 11" strips Note: for narrow fabrics you may need cut a few extra 3/4" strips to get an adequate number of 11" strips.
3/4 yd. fabric	Binding	Cut 2-3/4" strips to total 292" linear inches (bias or straight grain). <i>This is for use at home, do not bring to class.</i>
9 yards fabric OR 3-1/4 yd. x 108"+ wide (or wider) backing	Backing	Join several widths for an adequate sized back OR Purchase a "fat back" - extra wide backing in one piece. <i>This is for use at home, do not bring to class</i>
108" X 108"	Batting	(6-8" larger than finished quilt.) <i>This is for use at home, do not bring to class.</i>

* Fabric quantity varies depending upon the size and spacing of decorative printed motifs, and number of repeats per yard in the design. If you plan to fussy-cut individual images, purchase several extra yards of fabric.

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Cutting chart for smaller Undersea Broken Star quilt, using the 3" 45° diamond ruler 36" square without borders; approximately 40-42" square with borders of choice. (Optional cutting prior to class): The color chart indicates MY fabrics – please substitute colors that compliment YOUR theme. LABEL ALL PIECES for clarification during construction. WOF = width of fabric.		
Yardage Requirements	Location in quilt	CUTTING CHART for smaller quilt, using the three inch 45° diamond ruler. LABEL ALL PIECES for clarification during construction.
BORDERS If using the large-scale printed fabric for the border, please cut the borders first. Cut the remaining fabric into diamond shapes.		
1/4 yd. Light or bright contrasting colored fabric	Narrow inner border 1	Cut four border strips, 1" x WOF. Optional: sew shorter pieces to create full-length border strips of a minimum 38" long.
1/3–1/2 yd. Complimentary fabric or same fabric as the diamonds.	Wide outer border 2	Your preference border width strips: Cut four – 2 1/2" x WOF strips (width of fabric – do not cut shorter) OR Cut four – 3" x WOF strips (width of fabric – do not cut shorter)
45° DIAMONDS There are large and small 45° diamonds in this quilt. Options: cut all of the diamonds from one fabric, from scraps, or from different fabrics. The yardage is generous to permit stacked repeats of the same fabric images. Diamonds may be cut through stacked repeats, or through single layers, as preferred.		
1-1/8 to 2 yds. print * (dark underwater fish & ocean plant fabrics) OR collection of scraps OR "FUSSY CUTTING" ONE LARGE-SCALE PRINT: 3-1/2–4 yds.	45° Diamonds Two sizes	seventy two – 3" A fussy-cut diamonds from stacked layered fabric. (Multiple day classes: We'll address this method in class. You can wait until class for cutting.) If you are cutting before class: Layer identical repeat cuts – eight layers deep, or two sets of 4 layers. Cut 45° diamonds from the stacked layers, creating multiple identical diamonds. For more detail, refer to <i>One Block Wonder</i> or <i>Stack n' Whack</i> techniques.
		Forty – 2" D Fussy-cut 45° or random-cut diamonds
1/4 yd. of one fabric (pale teal)	Background 1 in the star center	Cut four – 4 3/8" squares; sub-cut once diagonally to yield eight B triangles Cut eight – 3 3/8" squares; sub-cut once diagonally to yield sixteen C triangles
1/2 to 3/4 yd. of one fabric (medium teal)	Background 2 surrounding star center	Cut twelve – 4 3/8" squares; sub-cut once diagonally to yield 24 B triangles Cut sixteen – 3 3/8" squares; sub-cut once diagonally to yield 32 C triangles
3/4 yd. of one fabric (med-dark teal)	Background 3 at quilt edges	Cut 20 – 2-3/8" squares; sub-cut once diagonally to yield 40 F triangles Cut 20 – 3" squares; sub-cut once diagonally to yield 24 E Triangles Cut 12 – 3-3/8" squares; sub-cut once diagonally to yield 24 C triangles

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Continued – Cutting Chart for smaller Undersea Broken Star quilt, using the **3" 45° diamond ruler**.

Yardage Requirements	Location in quilt	CUTTING CHART for smaller quilt, using the 3" 45° diamond ruler. LABEL ALL PIECES for clarification during construction.
1-1/3 yds. fabric	Backing	Backing fabric – this is for use at home; do not bring to class.
38" x 38" square	Batting	Batting / filling for the quilt – (4-6" bigger than the quilt top); this is for use at home; do not bring to class.

Tools and Equipment

The following list may appear daunting – Fear NOT! Students in previous workshops have requested the items below for use in class. You will be happier when you have the tools you need, and shouldn't have to purchase extra equipment you might have left behind (with a skimpy supply list).

USE AT HOME TO PREPARE YOUR FABRIC:

Rotary cutting acrylic rulers: 1 large square (12" x 12" or larger), 6" x 24" ruler, and 6-1/2" + 3" Fussy Cutter Diamond Ruler set (if you own them – otherwise you can cut the diamonds in class using classroom rulers).

Any of the following tools: Glue stick, rolling adhesive (used in scrapbooking), double-stick tape, or applique basting glue in a bottle – used to apply fabric swatches on your color chart and quilt mockup at home before class.

Colored pencils – a few colors – for use to color-code areas on the quilt design schematic as you work. Many students have found this to be extremely helpful during construction.

Hinged Quilters' Design Mirrors – purchased or make your own. Review your design mockup prior to and during workshop.

FOR USE IN CLASS

Cutting equipment (listed above)

Quick Star Quilts & Beyond book by Jan Krentz- text book for home and class (available for pre-order: \$24.95 retail; CA sales tax applies within state of CA)

fast2cut "Fussy Cutter" 45° diamond ruler set (available for trial and purchase in class if cutting motifs (\$25 retail; CA sales tax applies within state of CA)

ALL fabrics for star, background & borders – bring all fabrics, including scraps. OK to wait until class if you prefer to hear more suggestions.

Sewing machine in good operating condition; foot pedal, electrical cord, quarter-inch foot (below)

Quarter-inch presser foot, standard foot, and walking foot if you own one (some machines do not stitch well with a quarter-inch foot. Switching to either of the other two feet can improve the quality of your stitching.)

Sewing thread to blend with fabric- medium shade (do not select hand quilting thread) Size 10112 (70180) sharp, topstitch or quilting machine needles (not universal point)

Rotary cutter with new blade (45mm medium or 60mm large cutter size). You will cut through many layers; please do not bring a cutter with a dull blade.

Self-healing rotary cutting mat (18" x 24" or largest mat you can bring. Remember, hot cars can damage cutting mats.....)

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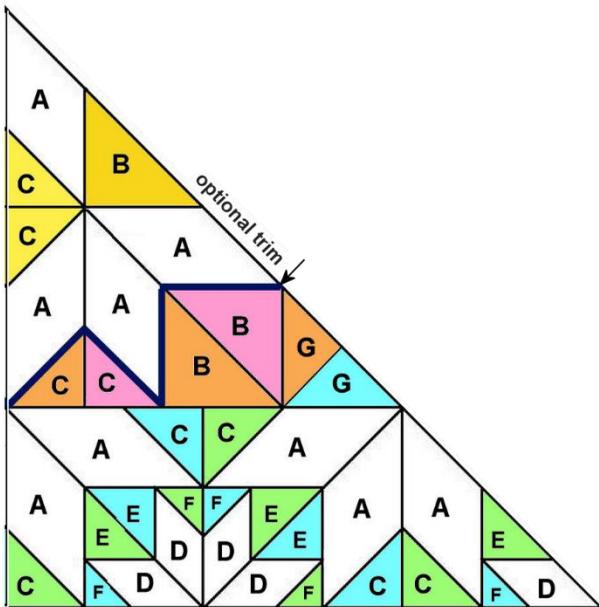
SUPPLIES, CONTINUED	
Sewing scissors or thread snips	Paper scissors
Sewing pins- glass ball head, fine .5 shaft pins are best for matching seams (preferred instead of heavy-weight quilting pins with plastic heads)	200-300 safety pins to secure project to flannel for safe transport
3-ring binder for workshop supply list, design paste-up and class handout sheets	pencil and/or pen for notes
Sharpie marker – fine and / or extra fine (“twin tip” Sharpie pens are great!)	
Iron (in class, share 1 iron between 3-4 students)	Design mockup(s) with fabrics attached; place in notebook.
72" x 72" piece of flannel, flannel flat sheet, batting, or flannel-backed plastic tablecloth for design wall surface (strongly recommended)	Heavy-duty 3-prong extension cord and power strip if not supplied by the class organizers.
OPTIONAL SUPPLIES – Helpful but not mandatory for class	
TALL STUDENTS or BACK PAIN SUFFERERS: 4 pieces – 1-1/4" (interior diameter) PVC pipe, cut into equal lengths for table leg extensions (slip the pipes onto the tubular legs of a standard banquet table. The extensions elevate the table to a better height to minimize back strain in class. I am 5'6" and my table extensions are 11" long.) OR – set of 4 plastic bed raisers	
Digital camera or phone camera – used as a design tool in class	Ott light or other small lamp – for localized task lighting
Inflatable chair cushion – to raise you to a comfortable sewing height in class	Reading glasses if needed
Please arrive and set up 30 minutes before class starts. Early arrival plans provide a “cushion” in case you encounter traffic before class. I want you to get the most from your workshop, because we will have full day(s) of design and sewing!	

Large quilt – component dimensions

- A 6 1/2" – 45° diamonds
- B 9 3/8" squares, cut once diagonally to yield 2 triangles
- C 6 7/8" squares, cut once diagonally to yield 2 triangles
- D 4" – 45° diamonds
- E 5 7/8" squares, cut once diagonally to yield 2 triangles
- F 4 3/8" squares, cut once diagonally to yield 2 triangles
- G 9 3/4" squares, cut once diagonally to yield 2 triangles

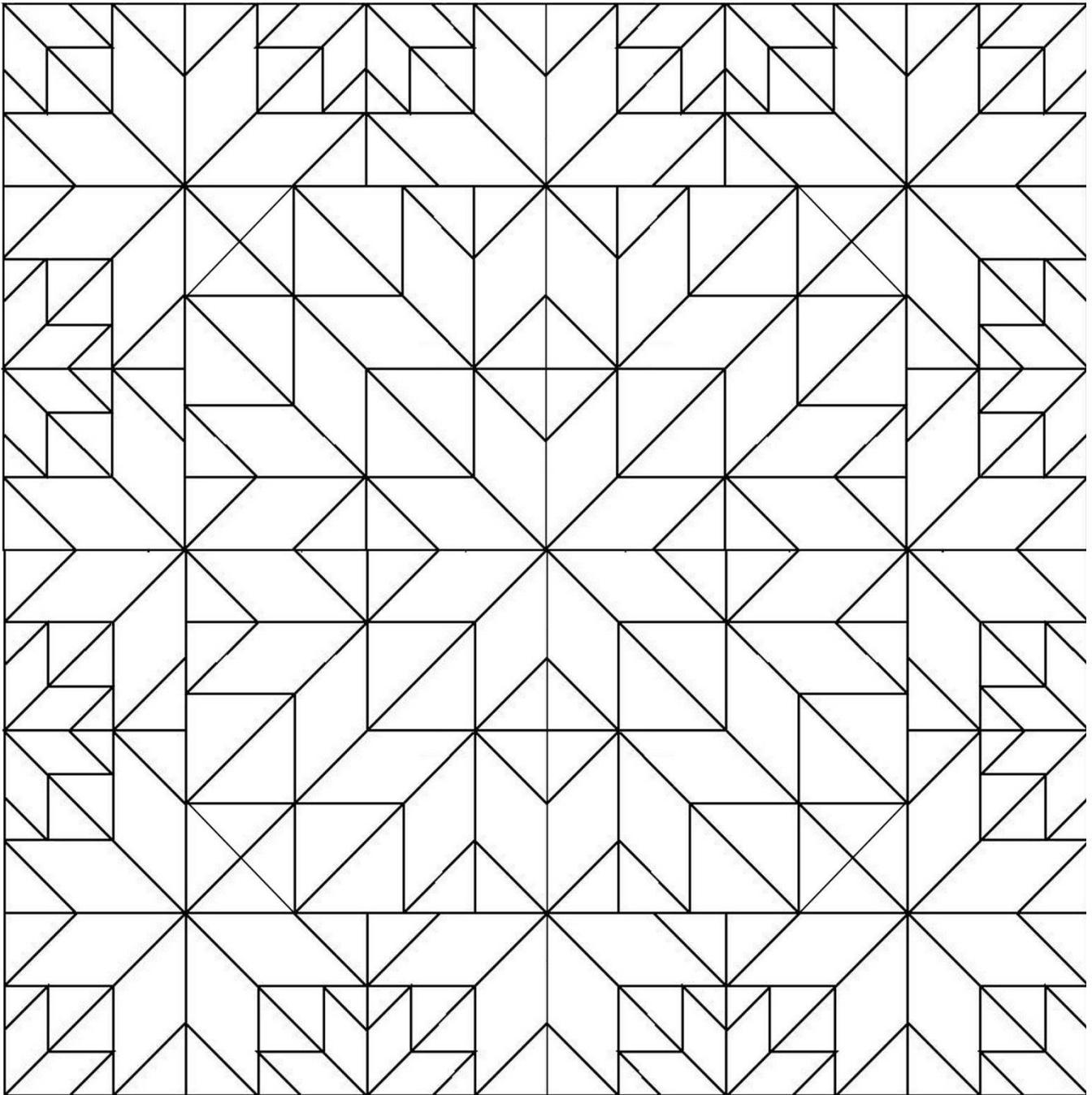
Small quilt – component dimensions

- A 3" – 45° diamonds
- B 4 3/8" squares, cut once diagonally to yield 2 triangles
- C 3 3/8" squares, cut once diagonally to yield 2 triangles
- D 2" – 45° diamonds
- E 3" squares, cut once diagonally to yield 2 triangles
- F 2 3/8" squares, cut once diagonally to yield 2 triangles
- G 4 3/4" squares, cut once diagonally to yield 2 triangles



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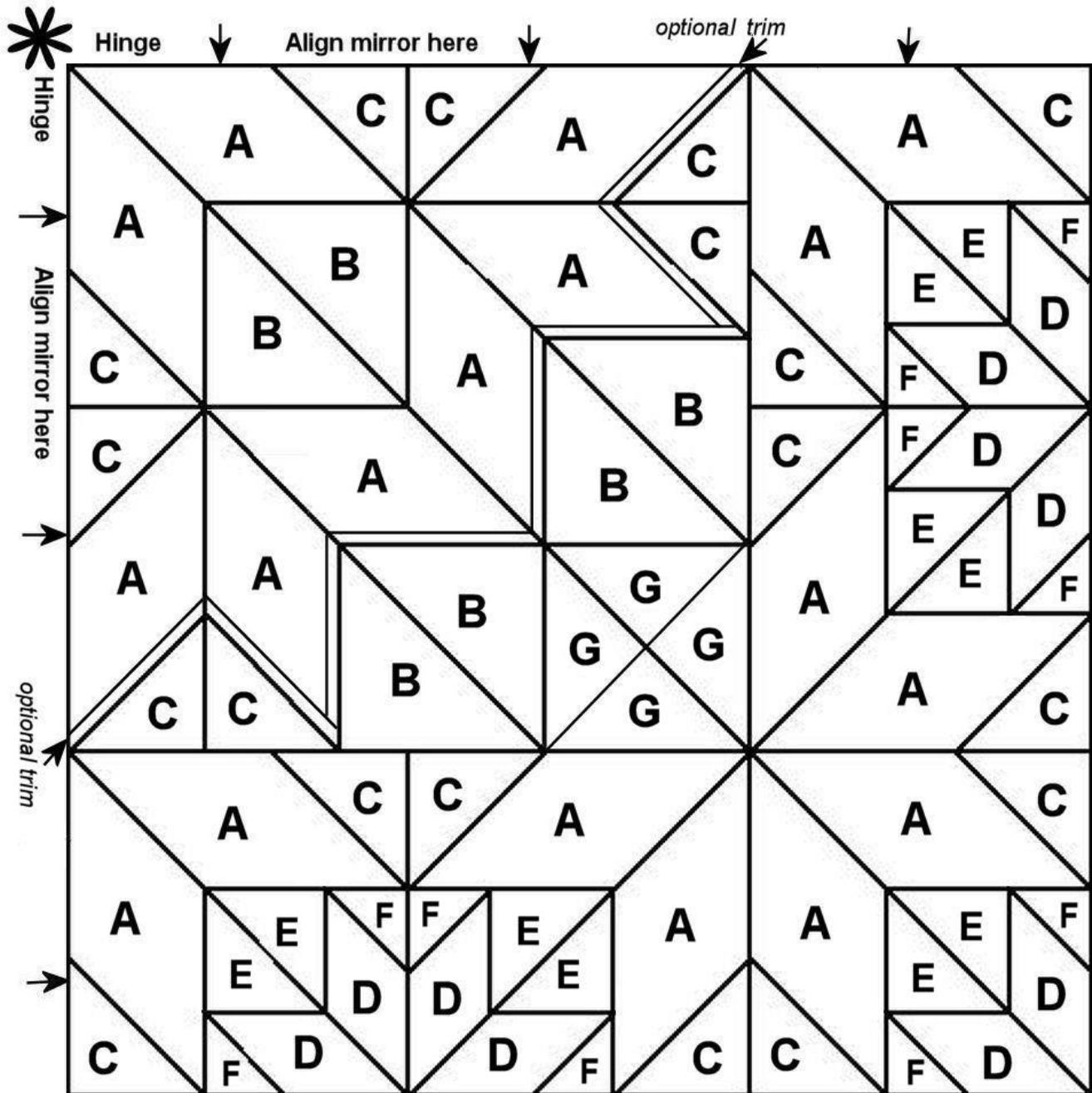
Barcelona Floral Fiesta Expanded Broken Star coloring diagram – full quilt

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Please refer to the images of other Quick Broken Star Quilts in the book of the same title. You may choose to create a scrappy version, with all diamonds cut from different cloth, the background cut from two shades of the same color (two greens, two tans, two golds, etc.). Please feel free to play with the design!

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Floral Fiesta Expanded Broken Star coloring & mock-up diagram – one quarter of the design
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Paste fabric swatches into the diamonds and triangles on this page. Position a pair of hinged Quilter's Design mirrors at the upper left corner (near the asterisk star) aligned with the outer edges of the design to review your color placement. The letters indicate my color placement, and are a guide. Please feel free to move your fabrics around and create your own version.

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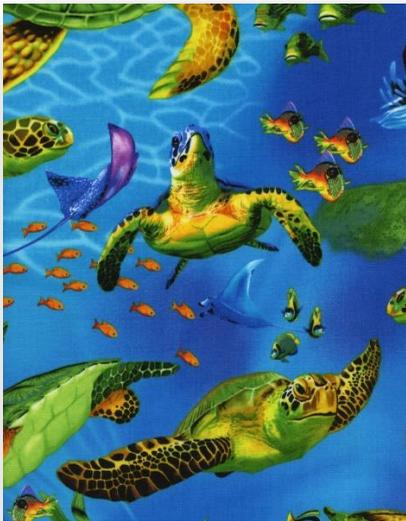


Sew a beautiful expanded broken star quilt with the ease of straight piecing, and no "Y" seams! Based upon the Quick Broken Star pattern in Jan's book, *Quick Star Quilts & Beyond*, this quilt is best suited for a multi-day retreat-style workshop.

The diamonds for the quilt above were all cut from a variety of fabrics that featured blues, The original Undersea Expanded Broken Star diamonds were cut using the 3" Fussy Cutter 45-degree ruler. Due to student demand, I have calculated the yardage for a larger quilt.

If these particular fabrics don't appeal to you, please select a collection of compatible interesting large-scale prints with numerous colors and shapes. The basic layout is wonderful in a variety of colors! Fabric selection is key to the quilt's striking appearance.

Design options and fabric placement will be discussed, aiding in final selection and cutting. Basic assembly begins after cutting all the fabric and tropical fish themes.



The background area surrounding the diamonds is deliberately shaded, with the lightest values in the center, medium values in the middle section of the medallion, and darkest value at the edges. Select three coordinating fabrics for the background triangles. Select additional coordinating or complimentary fabrics for the borders.

Finished size of the star: approximately 87" square without borders; 100" square with borders.

The finished quilt (after quilting) measures 97-98" square. Your measurements may vary, depending upon seam allowance, border widths, batting thickness and quilting density.

Two cutting and yardage charts are provided, one for the large quilt cut with the 6 1/2" diamond ruler and the 2nd chart for the smaller quilt cut with the 3" diamond ruler.

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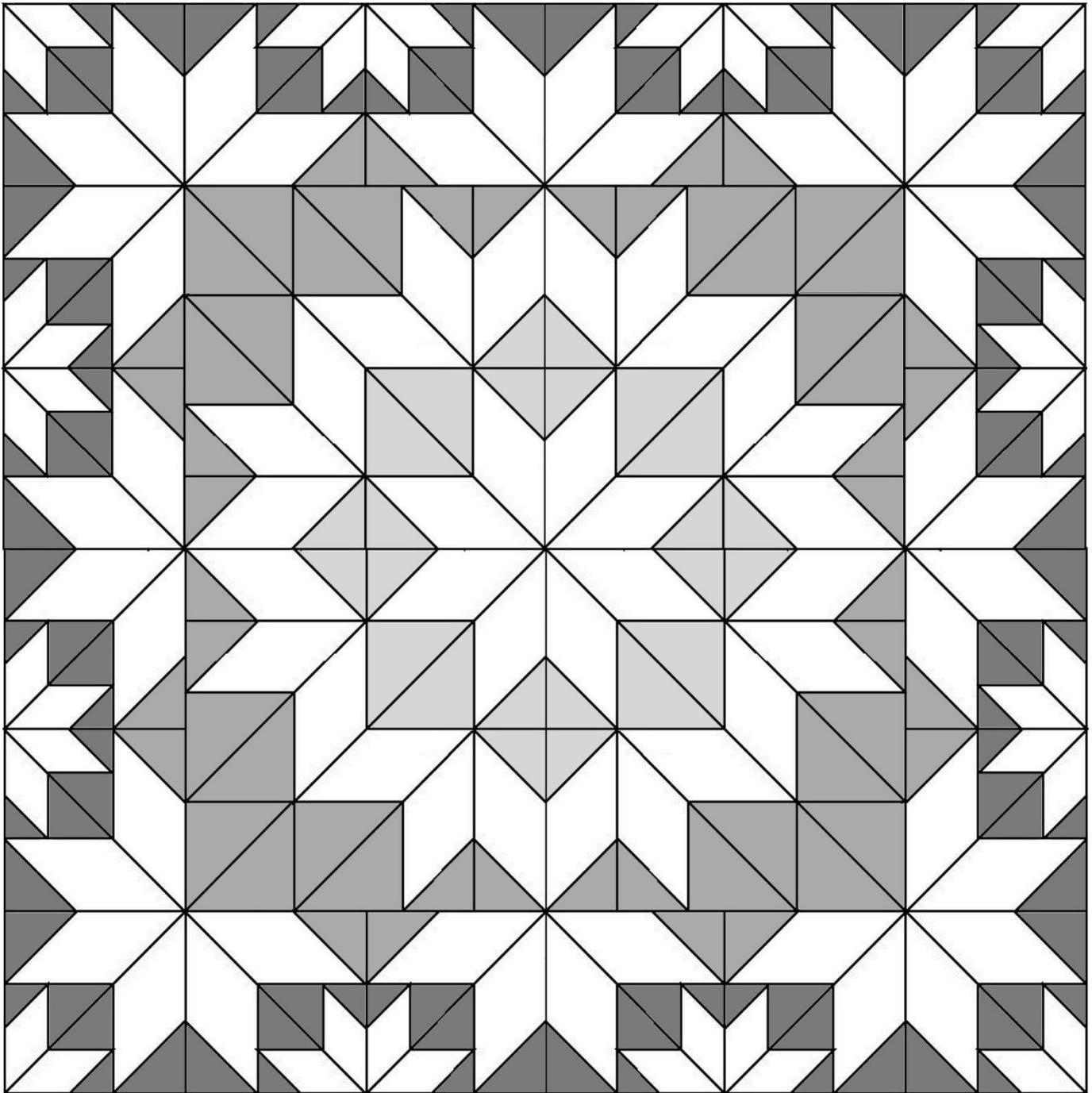
Cutting Chart for 100" Under Sea Expanded Broken Star quilt using the 6 1/2" 45-degree diamond ruler
87" square without borders; 98"-100" square with borders of choice. (Optional cutting prior to class) The color chart indicate MY fabrics- please substitute colors that compliment YOUR theme.

LABEL ALL PIECES for clarification during construction. WOF =Width of Fabric

Yardage Requirements	Location in quilt	Cutting chart for the larger quilt using the 6 1/2" 45-degree diamond ruler
BORDERS		
If using a large-scale printed fabric for the border and diamonds. Please cut the borders first. Cut the remaining fabric in diamond shapes.		
1/2 to 3 yds ** Light or bright contrasting colored fabric (**depending whether you want seams in this border)	Narrow inner border 1	Cut 10 – 1-1/2" strips, width of fabric. Sub cut 2 strips in half at the center fold. Sew four sets: 2 + 1/2 strips to create full-length borders. OR alternative: Cut 4 border strips, 1-1/2" x 94" lengthwise, parallel to the selvage.
1 1/2 to 3 yds. Complimentary darker fabric OR large-scale print	Wide outer border 2	Cut 10 – 4-1/2" x 42" border strips (width of fabric). Cut two strips in half at the fold. Each border is 2-1/2 strips, sewn end-to-end. OR alternative: Cut 4 – 4-1/2" x 102" strips (parallel to the selvage)
DIAMONDS	There are large and small diamonds in this quilt. Options: cut them from one fabric, from scraps, from different fabrics- the yardage is generous to permit stacked repeats of the same fabric images. Diamonds may be cut through stacked repeats, or single layers, as preferred.	
6-8 yds. large-scale print * (*See note at end of chart) OR scraps, fat quarters and other fabrics to yield the diamonds for the quilt.	45-degree diamonds in two sizes	72 – 6-1/2" A Fussy-cut diamonds from stacked fabric. (We'll address this method in class. Layer identical repeat cuts- 8 layers deep, or 2 sets of 4 layers. Cut diamonds from the stacked layers, creating multiple identical diamonds. Refer to One Block Wonder or Stack n' Whack techniques.)
		40 – 4" D Fussy-cut or random-cut diamonds
1yd. light teal fabric	Background in star center	Cut 4- 9-3/8" squares; sub-cut once diagonally to yield 8 B triangles Cut 8-6-7/8" squares; sub-cut once diagonally to yield 16 C triangles
1 1/2 yd. medium teal fabric	Background surrounding center star	Cut 12 -9-3/8" squares; sub-cut once diagonally to yield 24 B triangles Cut 16-6-7/8" squares; sub-cut once diagonally to yield 32 C triangles
2 3/4 to 3 yds. of med-dark teal fabric	Background at quilt edges	Cut 12 – 6-7/8" squares; cut once diagonally to yield 24 C triangles Cut 20 – 5-7/8" squares (10 squares each from 2 different fabrics); cut once diagonally to yield 40 E triangles Cut 20 – 4-3/8" squares (20 squares each from 2 different fabrics); cut once diagonally to yield 40 F triangles

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Under Sea Expanded Broken Star coloring diagram – full quilt

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Please refer to the images of other Quick Broken Star quilts in the book, *Quick Star Quilts*. You may choose to create a scrappy version, with all diamonds cut from different fabrics, the background cut from two shades of the same color (two greens, two blues, two tans, etc.). Please feel free to play with the design!

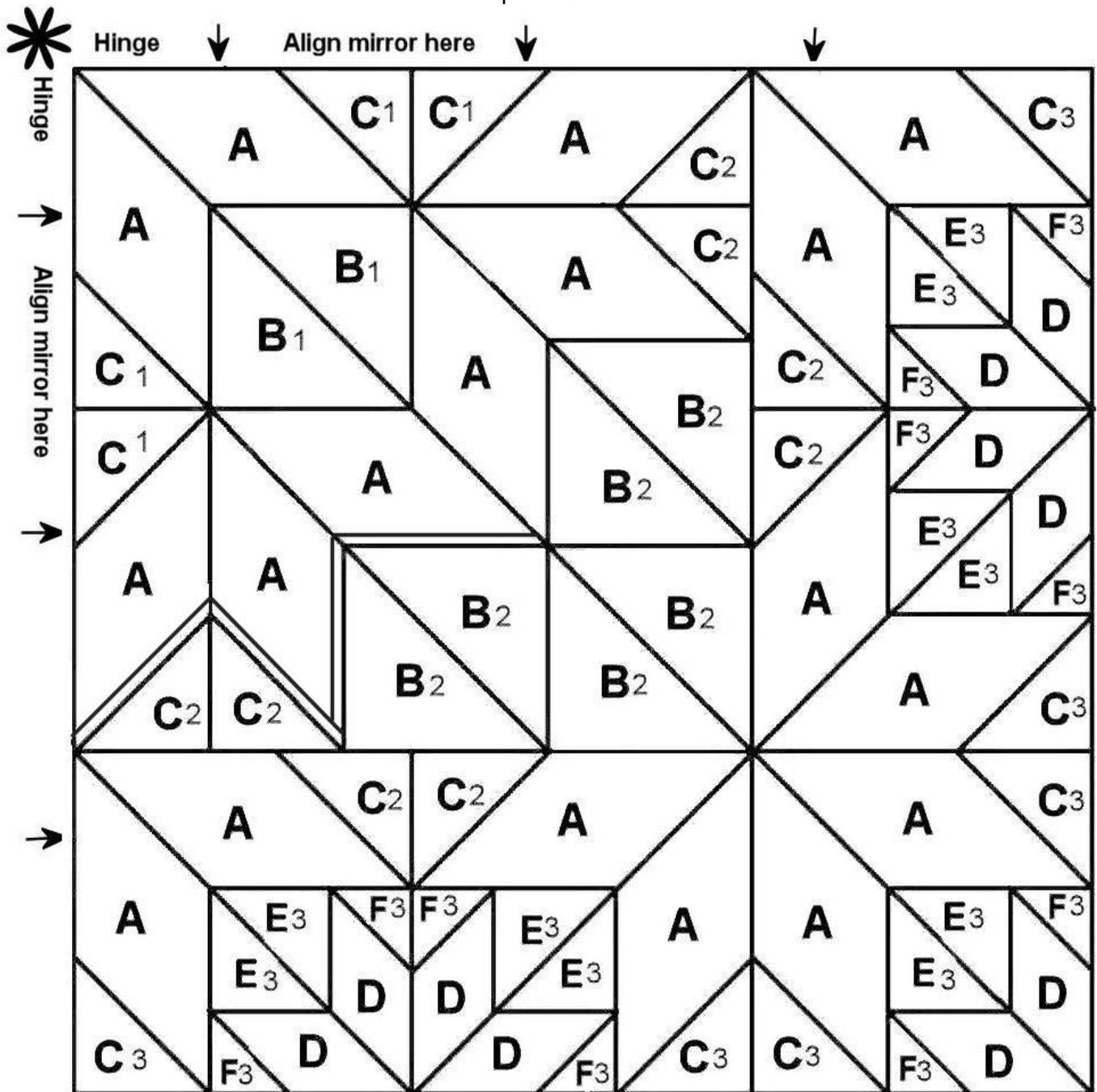
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Website: www.jankrentz.com email: jan@jankrentz.com

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Under Sea Expanded Broken Star coloring and design mockup diagram. ¼ of the design.

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Paste fabric swatches into the diamonds and triangles on this page. Position a pair of hinged Quilter's Design Mirrors at the upper left near the asterisk star, aligned with the outer edges of the design to review your color placement.

Play with the design! (the smaller numbers indicate optional background fabrics of different values.) Narrow trim strips surrounding the central star medallion are optional.

Contact Jan by e-mail with any questions prior to class!

jan@jankrentz.com

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 Website: www.jankrentz.com email: jan@jankrentz.com

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