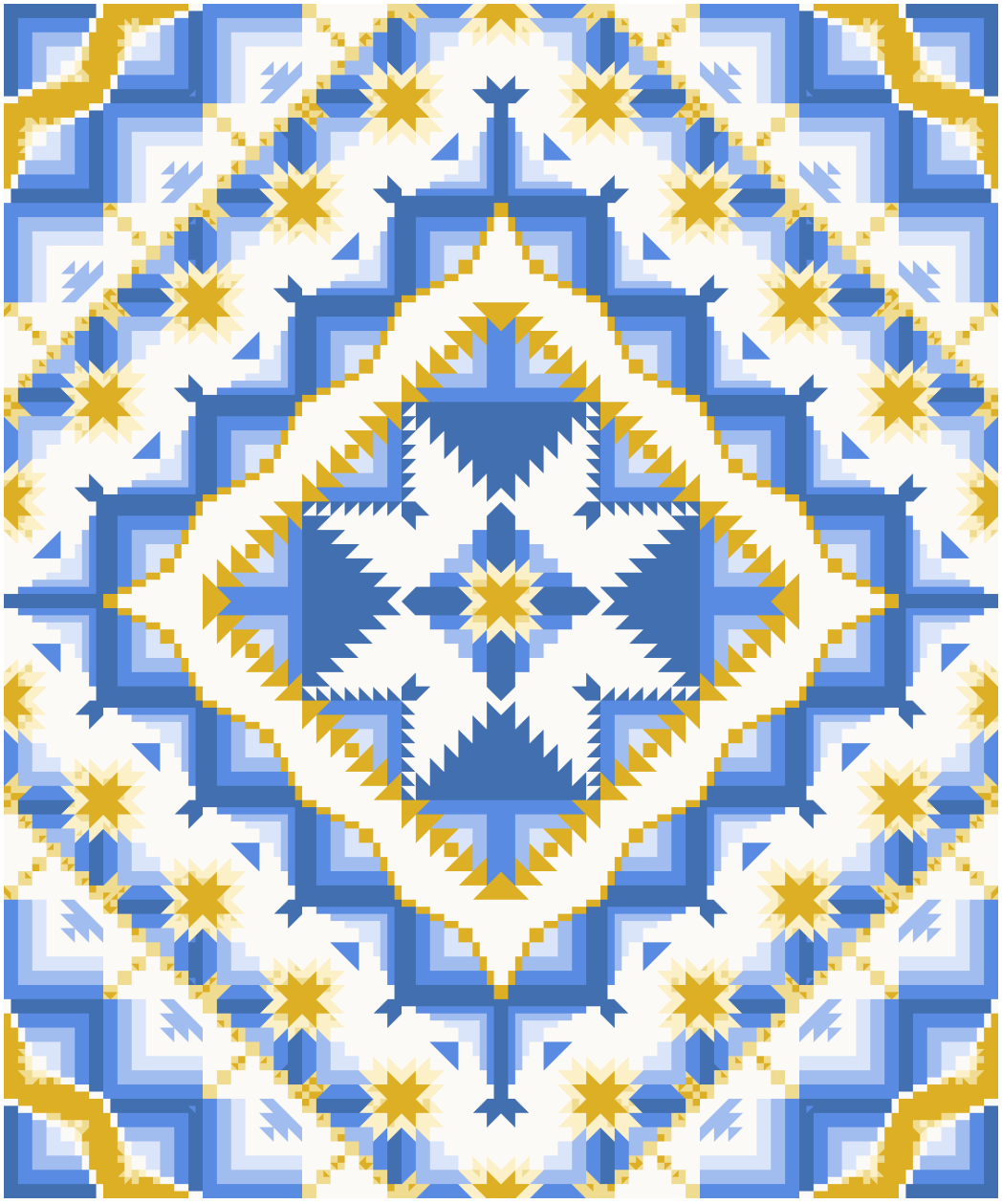
Eureka! in blue and gold

Illustrated sewing guide / Double–queen layout / 87 1/2 x 105 inches



The pictured arrangement

Ten blocks across and twelve down reproduce the proportions of the supplied color image. Gold stars form where adjacent block corners meet. Each blue stair-step and pale strip is plotted in its final orientation.

Independent reconstruction from the supplied Eureka! illustration and size sheet. The cutting plan and sewing sequence were calculated for this version.

Fabric & cutting inventory

All quantities below are for the entire 120-block quilt. All sizes are in inches.

Use eight solid or tone-on-tone cottons. Numbers on the sewing charts match the swatches below. Yardages assume at least 40 inches of usable width and include extra for straightening cuts and a modest reserve.

ID / Fabric	1 3/4 sq.	1 1/8 sq.	2 1/2 sq.	1 7/8 sq.	Buy (yd)
0 Porcelain	1620	504	246	24	5 7/8
1 Ice blue	284	180	12	0	1 1/8
2 Sky	504	416	72	4	2 1/8
3 Cornflower	692	476	70	52	2 7/8
4 Indigo	612	692	92	20	2 3/4
5 Vanilla	32	284	162	106	1 3/4
6 Straw	36	504	10	208	1 3/8
7 Marigold	288	508	108	182	2 3/8

Cut each column as a separate stack

For each fabric, cut width-of-fabric strips the width named in the table, then subcut squares of that same width. The first two columns are plain squares. The last two columns are oversized starting squares for half-square triangles (HSTs). Pair these by fabric number on the next page.

Finishing supplies

Backing and batting: prepare a piece at least 96 x 114 of each. For 40-inch usable backing, buy 8 1/4 yards. Cut three 97-inch lengths, remove selvages, then join the long edges with 1/2-inch seams and press open. Trim the resulting panel to 96 x 114.

Binding: allow 7/8 yard. Cut eleven 2 1/2-inch strips across 40-inch usable width. Also gather a square ruler marked in eighths, fine thread, pins and resealable bags or trays for sorted pieces.

Pair the triangle fabrics

Each entry is a number of square pairs to sew. Each pair produces two HST units.

Fabric pair	Pairs of 2 1/2-inch squares	Pairs of 1 7/8-inch squares
0 + 2	42	0
0 + 3	20	0
0 + 4	80	0
0 + 5	68	14
0 + 6	0	10
0 + 7	36	0
1 + 7	12	0
2 + 5	18	2
2 + 6	0	2
2 + 7	12	0
3 + 4	0	6
3 + 5	28	18
3 + 6	10	24
3 + 7	12	4
4 + 5	12	8
4 + 6	0	6
5 + 6	0	26
5 + 7	36	38
6 + 7	0	140

For each pair, take one square of each listed fabric in the indicated size. Mark one diagonal on the lighter wrong side. Place right sides together. Stitch 1/4 inch on each side of the line, cut on the line and press. Trim large units to 1 3/4 square and small units to 1 1/8 square, keeping the seam on the ruler’s 45-degree line.

A zero means no pairs in that size. Keep the two sizes separate.

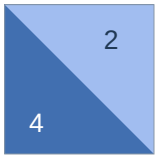
Read and sew a block

Make one sample block first. Every chart is a front view; the top of the page is the top of the quilt.

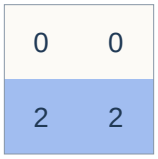
Three kinds of chart squares



Plain square



Two-color HST



Four-part square

A single number identifies a plain square. Two numbers separated by a diagonal identify an HST; rotate it to put each fabric in the pictured corner. A P number identifies a four-part square. Look it up in the detail key. All three types measure 1 3/4 square before joining.

Assemble the miniature four-patches

For a P unit, lay out its four small squares or trimmed HSTs in two rows. Each measures 1 1/8 square. Sew the top pair and the bottom pair with an accurate 1/4-inch seam. Press in opposite directions and join the rows. Press the final seam open. Check for 1 3/4 square. A small seam error here repeats across the medallion.

Join seven rows of seven

Lay out the 49 units on a tray in chart order. Sew across each row and press alternate rows in opposite directions. Each row should measure 9 1/4 x 1 3/4. Pin matching intersections, join the seven rows, and press. The unfinished block measures 9 1/4 square. It finishes at 8 3/4 square after joining.

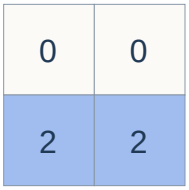
Keep the orientation

Label each block by its lettered row and numbered column. Pin a slip of paper at the top edge before moving it. All 120 block charts are supplied in their final positions, including the mirrored sides of the quilt.

Four-part detail key

Units P1 to P20 / each small tile is 1 1/8 inches unfinished.

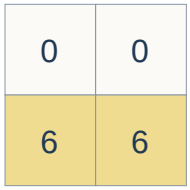
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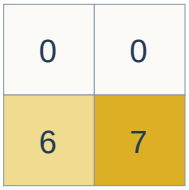
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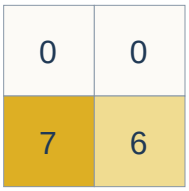
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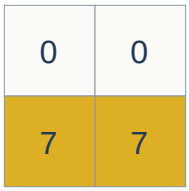
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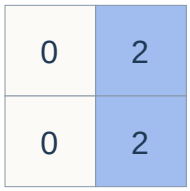
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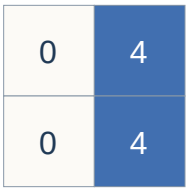
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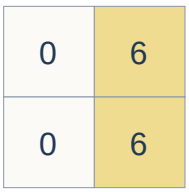
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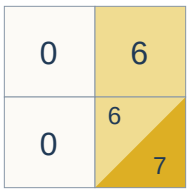
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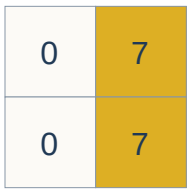
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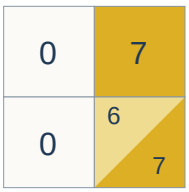
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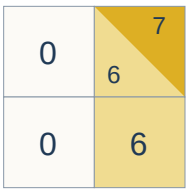
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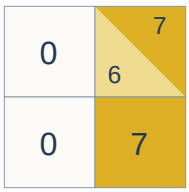
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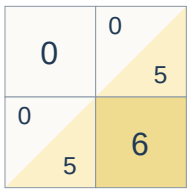
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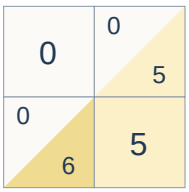
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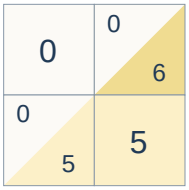
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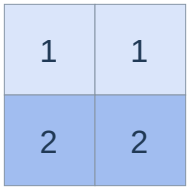
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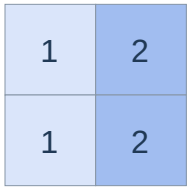
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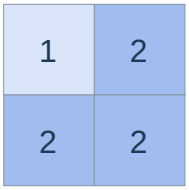
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P19



P20

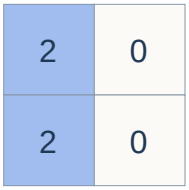


Build each detail in the orientation shown. Chart P numbers always refer to this key.

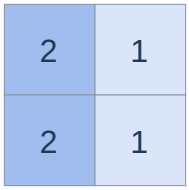
Four-part detail key

Units P21 to P40 / each small tile is 1 1/8 inches unfinished.

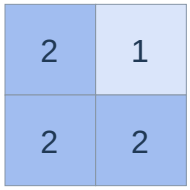
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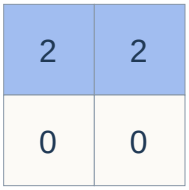
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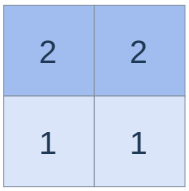
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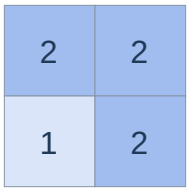
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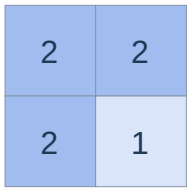
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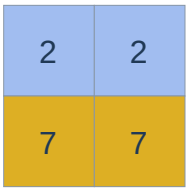
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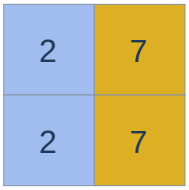
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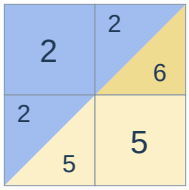
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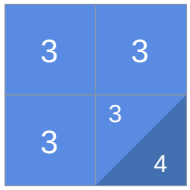
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P30



P31



P32



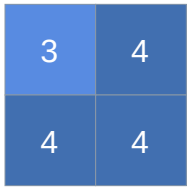
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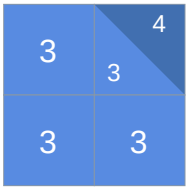
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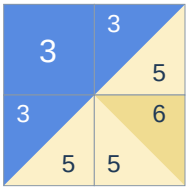
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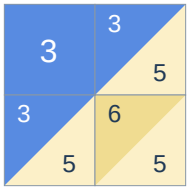
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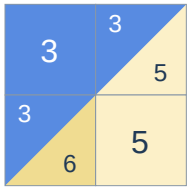
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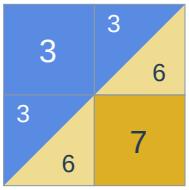
P38



P39



P40



Build each detail in the orientation shown. Chart P numbers always refer to this key.

Four-part detail key

Units P41 to P60 / each small tile is 1 1/8 inches unfinished.

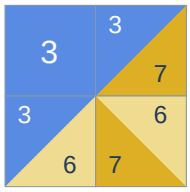
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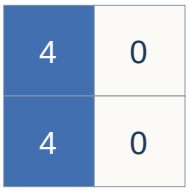
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P43



P44



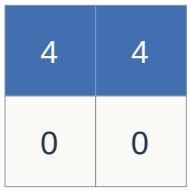
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P46



P47



P48



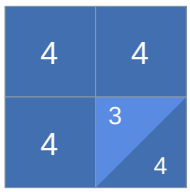
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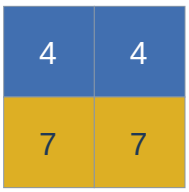
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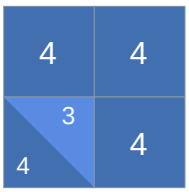
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P52



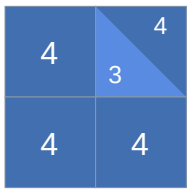
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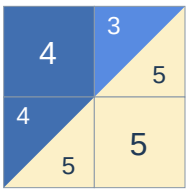
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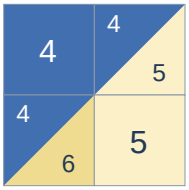
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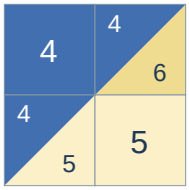
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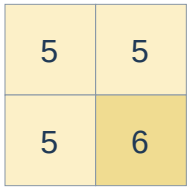
P57



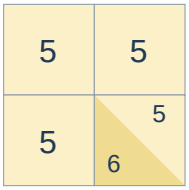
P58



P59



P60



Build each detail in the orientation shown. Chart P numbers always refer to this key.

Four-part detail key

Units P61 to P80 / each small tile is 1 1/8 inches unfinished.

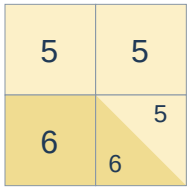
P61



P62



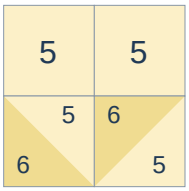
P63



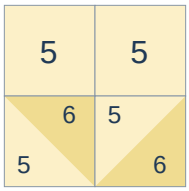
P64



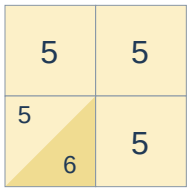
P65



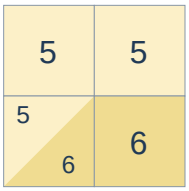
P66



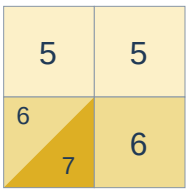
P67



P68



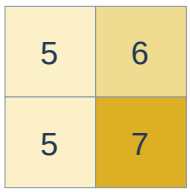
P69



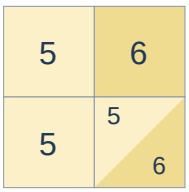
P70



P71



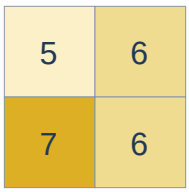
P72



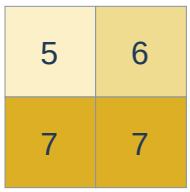
P73



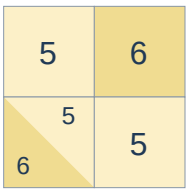
P74



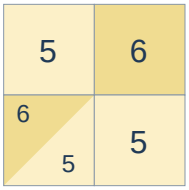
P75



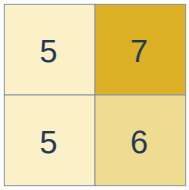
P76



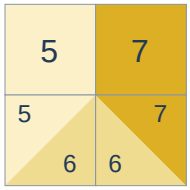
P77



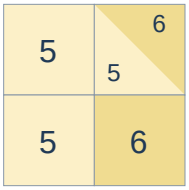
P78



P79



P80

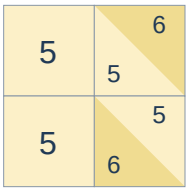


Build each detail in the orientation shown. Chart P numbers always refer to this key.

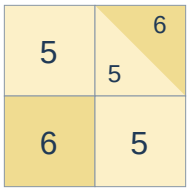
Four-part detail key

Units P81 to P100 / each small tile is 1 1/8 inches unfinished.

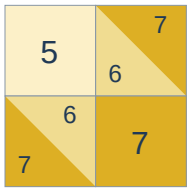
P81



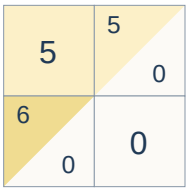
P82



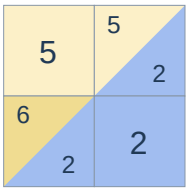
P83



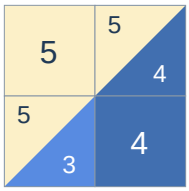
P84



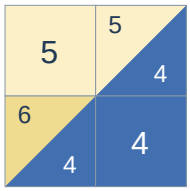
P85



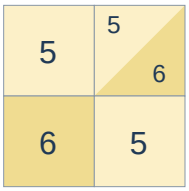
P86



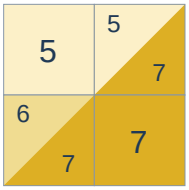
P87



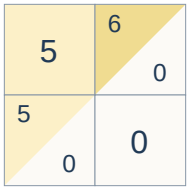
P88



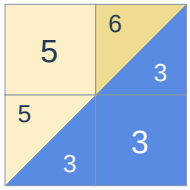
P89



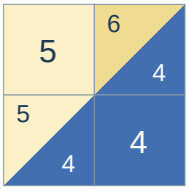
P90



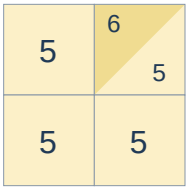
P91



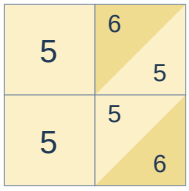
P92



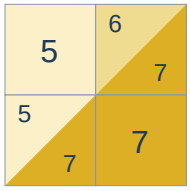
P93



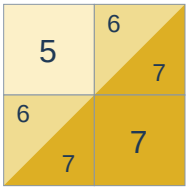
P94



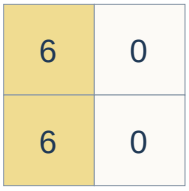
P95



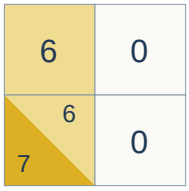
P96



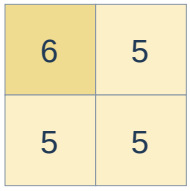
P97



P98



P99



P100

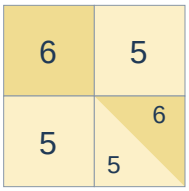


Build each detail in the orientation shown. Chart P numbers always refer to this key.

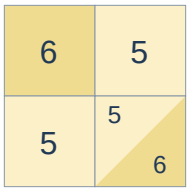
Four-part detail key

Units P101 to P120 / each small tile is 1 1/8 inches unfinished.

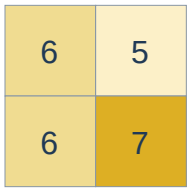
P101



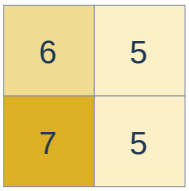
P102



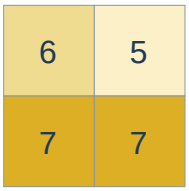
P103



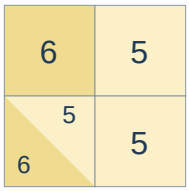
P104



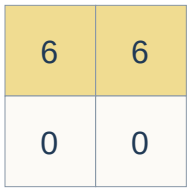
P105



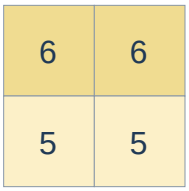
P106



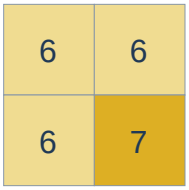
P107



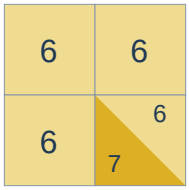
P108



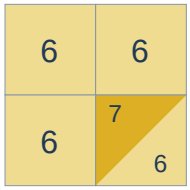
P109



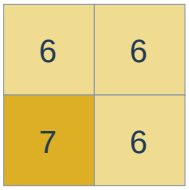
P110



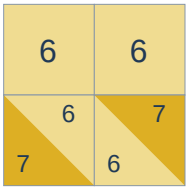
P111



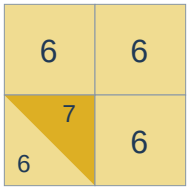
P112



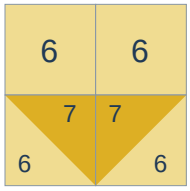
P113



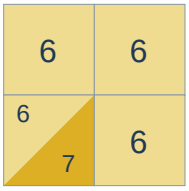
P114



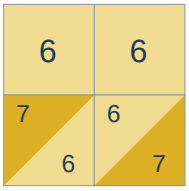
P115



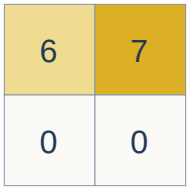
P116



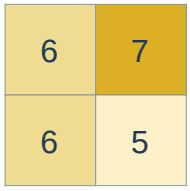
P117



P118



P119



P120

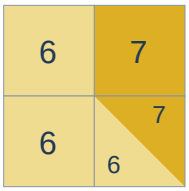


Build each detail in the orientation shown. Chart P numbers always refer to this key.

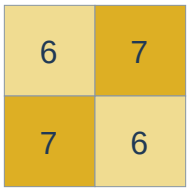
Four-part detail key

Units P121 to P140 / each small tile is 1 1/8 inches unfinished.

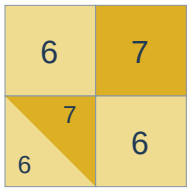
P121



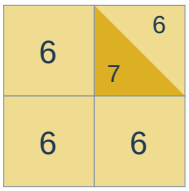
P122



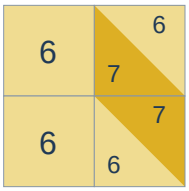
P123



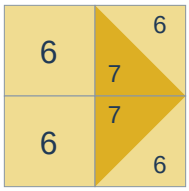
P124



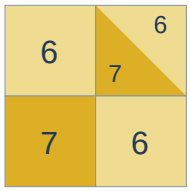
P125



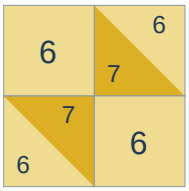
P126



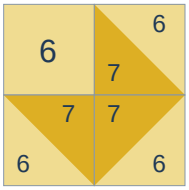
P127



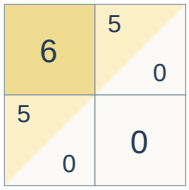
P128



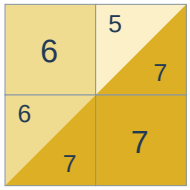
P129



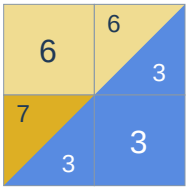
P130



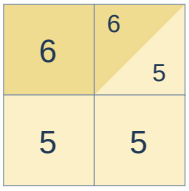
P131



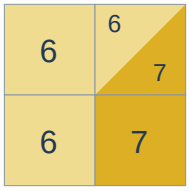
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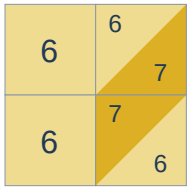
P133



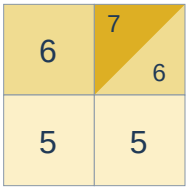
P134



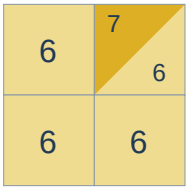
P135



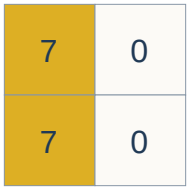
P136



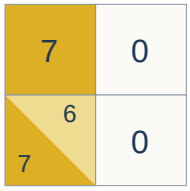
P137



P138



P139



P140

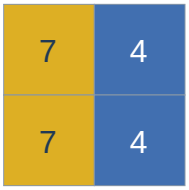


Build each detail in the orientation shown. Chart P numbers always refer to this key.

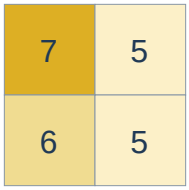
Four-part detail key

Units P141 to P160 / each small tile is 1 1/8 inches unfinished.

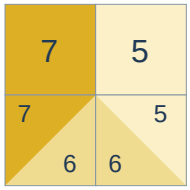
P141



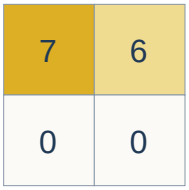
P142



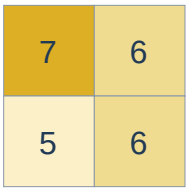
P143



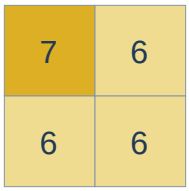
P144



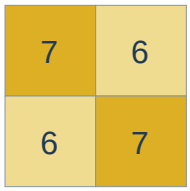
P145



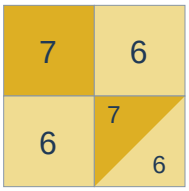
P146



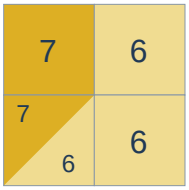
P147



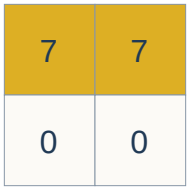
P148



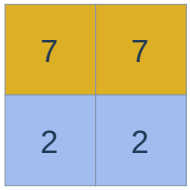
P149



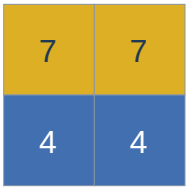
P150



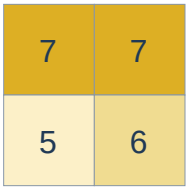
P151



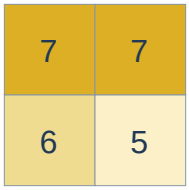
P152



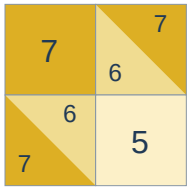
P153



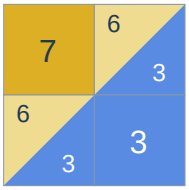
P154



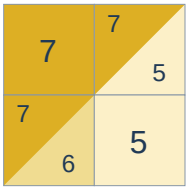
P155



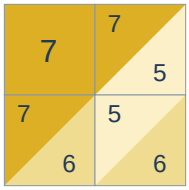
P156



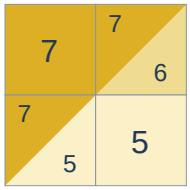
P157



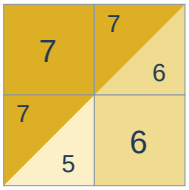
P158



P159



P160

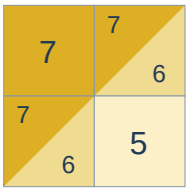


Build each detail in the orientation shown. Chart P numbers always refer to this key.

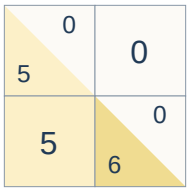
Four-part detail key

Units P161 to P180 / each small tile is 1 1/8 inches unfinished.

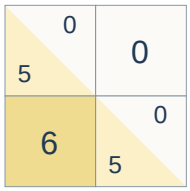
P161



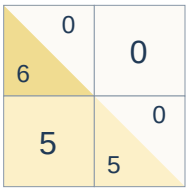
P162



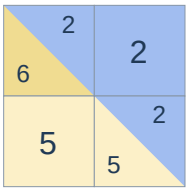
P163



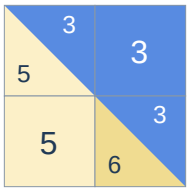
P164



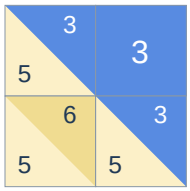
P165



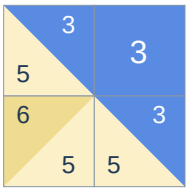
P166



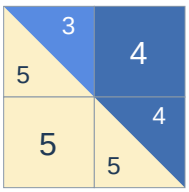
P167



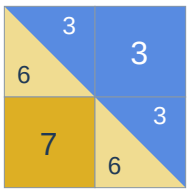
P168



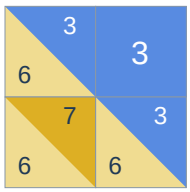
P169



P170



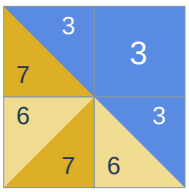
P171



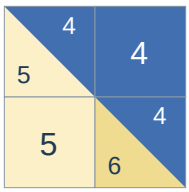
P172



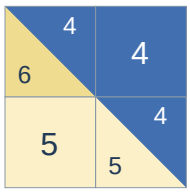
P173



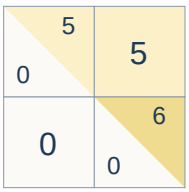
P174



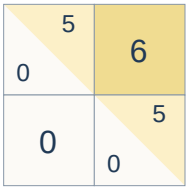
P175



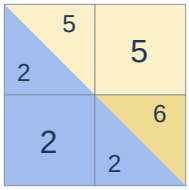
P176



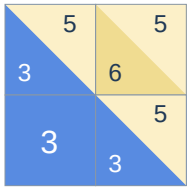
P177



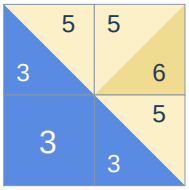
P178



P179



P180

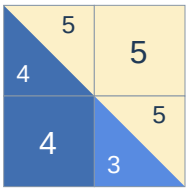


Build each detail in the orientation shown. Chart P numbers always refer to this key.

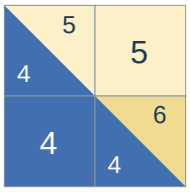
Four-part detail key

Units P181 to P200 / each small tile is 1 1/8 inches unfinished.

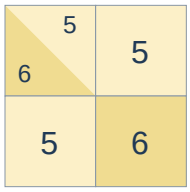
P181



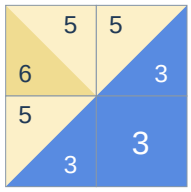
P182



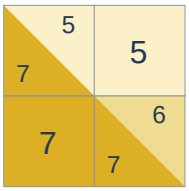
P183



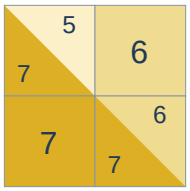
P184



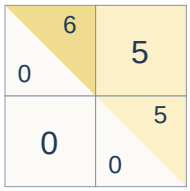
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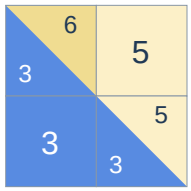
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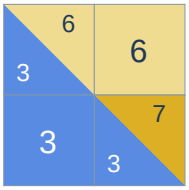
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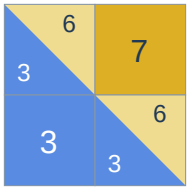
P188



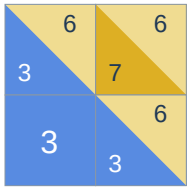
P189



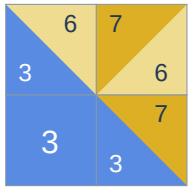
P190



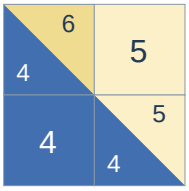
P191



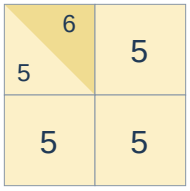
P192



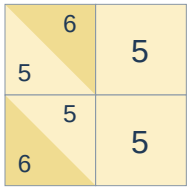
P193



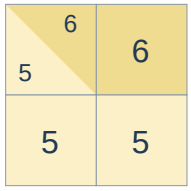
P194



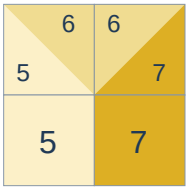
P195



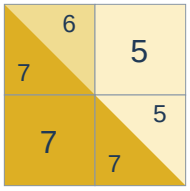
P196



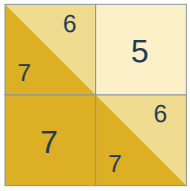
P197



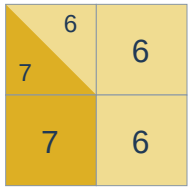
P198



P199



P200

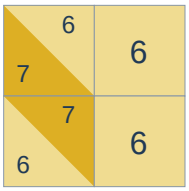


Build each detail in the orientation shown. Chart P numbers always refer to this key.

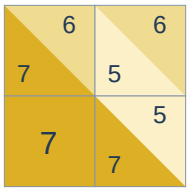
Four-part detail key

Units P201 to P220 / each small tile is 1 1/8 inches unfinished.

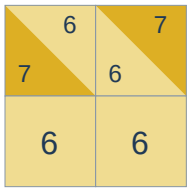
P201



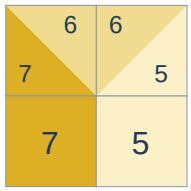
P202



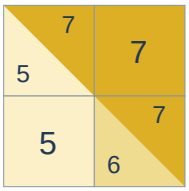
P203



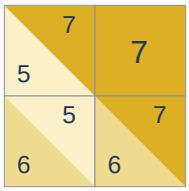
P204



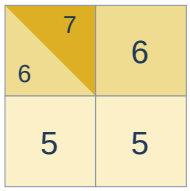
P205



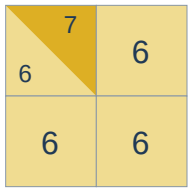
P206



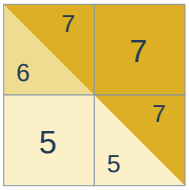
P207



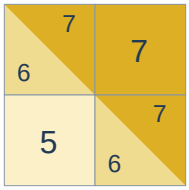
P208



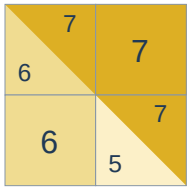
P209



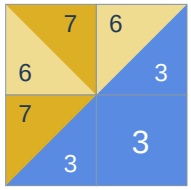
P210



P211



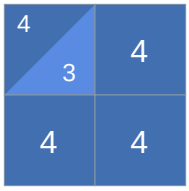
P212



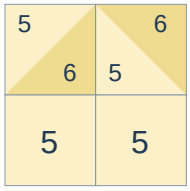
P213



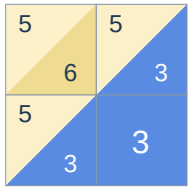
P214



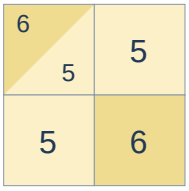
P215



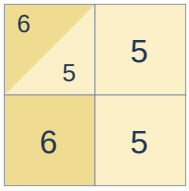
P216



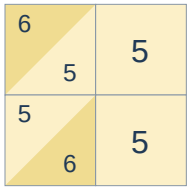
P217



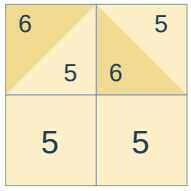
P218



P219



P220

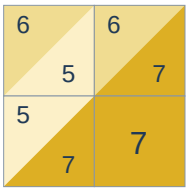


Build each detail in the orientation shown. Chart P numbers always refer to this key.

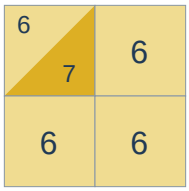
Four-part detail key

Units P221 to P236 / each small tile is 1 1/8 inches unfinished.

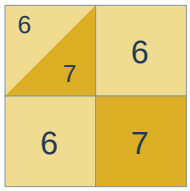
P221



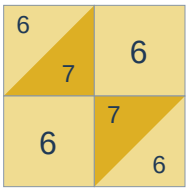
P222



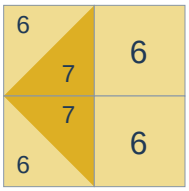
P223



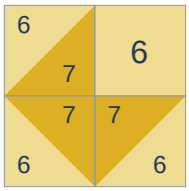
P224



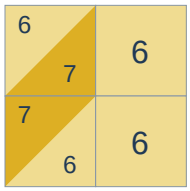
P225



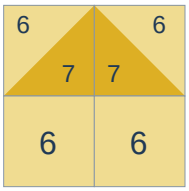
P226



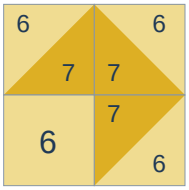
P227



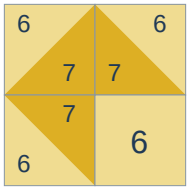
P228



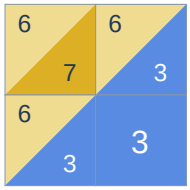
P229



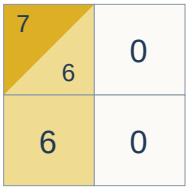
P230



P231



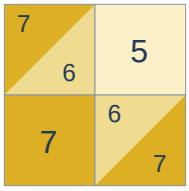
P232



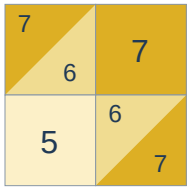
P233



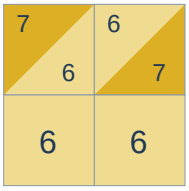
P234



P235



P236



Build each detail in the orientation shown. Chart P numbers always refer to this key.

Block charts / Row A

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

A1

4	4	4	4	4	4	P44
4	3	3	3	3	3	P11
4	3	2	2	2	P21	7
4	3	2	1	1	P9	7
4	3	2	1	0	P79	7
4	3	P24	P3	P75	P75	7
P47	P6	7	7	7	7	7

A2

7	7	7	7	7	P150	P2
7	P155	P119	P144	P1	3	4
7	P142	0	1	2	3	4
7	P232	1	1	2	3	4
7	P7	2	2	2	3	4
P138	3	3	3	3	3	4
P8	4	4	4	4	4	P214

A3

3	3	3	3	3	3	3
3	2	2	2	2	2	2
3	2	1	1	1	1	1
3	2	1	0	0	0	0
3	2	1	0	0/2	0/2	0/2
3	2	1	0	0/2	2	2/0
3	2	1	0	0/2	2/0	0

A4

6	0	0	0	0	0	P112
0	P111	0	0	0	P222	4
0	0	P223	0	P230	3	4
0	0	0	6	2	3	4
0	0	P120	2	2	3/5	4/5
0	P114	3	3	5/3	5	P198
P112	4	4	4	P182	P210	7

A5

P110	3/6	3	3	3/5	5/7	7
6/3	2	2	2	2/5	P67	7/5
3	2	1	1	0	5/0	5/0
3	2	1	0	0	0	0
3/5	2/5	0	0	0	0	0
5/7	5	5/0	0	0	0	0/4
7	P160	5/0	0	0	4/0	4

Row reference



Outlined half is charted on this page.

Block charts / Row A

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

A6

7	5 7	3 5	3	3	3 6	P116
7 5	P60	2 5	2	2	2	6 3
5 0	5 0	0	1	1	2	3
0	0	0	0	1	2	3
0	0	0	0	0	2 5	3 5
0 4	0	0	0	5 0	5	5 7
4	4 0	0	0	5 0	P211	7

A7

P109	0	0	0	0	0	6
4	P124	0	0	0	P114	0
4	3	P229	0	P127	0	0
4	3	2	6	0	0	0
4 5	3 5	2	2	P146	0	0
P95	5	5 3	3	3	P111	0
7	P161	P87	4	4	4	P109

A8

3	3	3	3	3	3	3
2	2	2	2	2	2	3
1	1	1	1	1	2	3
0	0	0	0	1	2	3
0 2	0 2	0 2	0	1	2	3
2 0	2	0 2	0	1	2	3
0	2 0	0 2	0	1	2	3

A9

P2	P150	7	7	7	7	7
4	3	P1	P118	P145	P235	7
4	3	2	1	0	P78	7
4	3	2	1	1	P13	7
4	3	2	2	2	P21	7
4	3	3	3	3	3	P11
P55	4	4	4	4	4	P44

A10

P8	4	4	4	4	4	4
P138	3	3	3	3	3	4
7	P7	2	2	2	3	4
7	P97	1	1	2	3	4
7	P143	0	1	2	3	4
7	P105	P105	P3	P24	3	4
7	7	7	7	7	P6	P47

Row reference



Outlined half is charted on this page.

Block charts / Row B

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

B1

7	7	7	7	7	P150	P2
7	P149	P207	P144	P1	3	4
7	P142	0	1	2	3	4
7	P233	1	1	2	3	4
7	P7	2	2	2	3	4
P138	3	3	3	3	3	4
P8	4	4	4	4	4	4

B2

3	3	3	3	3	3	3
3	2	2	2	2	2	2
3	2	1	1	1	1	1
3	2	1	0	0	0	0
3	2	1	0	0/2	0/2	0/2
3	2	1	0	0/2	2	2/0
3	2	1	0	0/2	2/0	0

B3

6	0	0	0	0	0	P120
0	6	0	0	0	P114	4
0	0	P223	0	P114	P36	4
0	0	0	6	2	3	4
0	0	P225	2	2	3/5	P174
0	P222	3	3	5/3	P62	5/7
6	4	4	4	5/4	7/5	7

B4

P122	P173	3	3	P37	P89	7
P190	2	2	2	2/5	5	7/5
3	2	1	1	0	5/0	5/0
3	2	1	0	0	0	0
P39	2/5	0	0	0	0	0
P95	5	P84	0	0	0	0/4
7	7/5	5/0	0	0	4/0	4

B5

7	5/7	0/5	0	0	0	P8
7/5	5	0/5	0	0	0	P34
5/0	5/0	0	0/3	0	P7	P34
0	0	0/3	3	0	P19	P34
0	0	0	0	1	P19	P34
0	0	P1	P18	P18	P20	P34
P2	P32	P32	P32	P32	P32	P35

Row reference



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Block charts / Row B

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

B6

P44	0	0	0	0/5	5/7	7
P45	0	0	0	0/5	5	7/5
P45	P21	0	0/3	0	5/0	5/0
P45	P22	0	3	0/3	0	0
P45	P22	1	0	0	0	0
P45	P23	P18	P18	P1	0	0
P46	P32	P32	P32	P32	P32	P2

B7

7	P185	P168	3	3	P43	P147
7/5	5	2/5	2	2	2	P156
5/0	5/0	0	1	1	2	3
0	0	0	0	1	2	3
0	0	0	0	0	2/5	P166
0/4	0	0	0	P176	5	P198
4	4/0	0	0	5/0	7/5	7

B8

P146	0	0	0	0	0	6
4	P111	0	0	0	6	0
4	P213	P111	0	P127	0	0
4	3	2	6	0	0	0
P57	3/5	2	2	P126	0	0
5/7	P62	5/3	3	3	P124	0
7	7/5	5/4	4	4	4	6

B9

3	3	3	3	3	3	3
2	2	2	2	2	2	3
1	1	1	1	1	2	3
0	0	0	0	1	2	3
0/2	0/2	0/2	0	1	2	3
2/0	2	0/2	0	1	2	3
0	2/0	0/2	0	1	2	3

B10

P2	P150	7	7	7	7	7
4	3	P1	P118	P136	P121	7
4	3	2	1	0	P78	7
4	3	2	1	1	P14	7
4	3	2	2	2	P21	7
4	3	3	3	3	3	P11
4	4	4	4	4	4	P44

Row reference



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Block charts / Row C

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

C1

3	3	3	3	3	3	3
3	2	2	2	2	2	2
3	2	1	1	1	1	1
3	2	1	0	0	0	0
3	2	1	0	0/2	0/2	0/2
3	2	1	0	0/2	2	2/0
3	2	1	0	0/2	2/0	0

C2

P228	0	0	0	0	0	P124
0	6	0	0	0	P114	P214
0	0	P222	0	P124	3	4
0	0	0	6	2	3	4
0	0	P112	2	2	3/5	P169
0	6	3	3	5/3	P66	5/7
P230	4	4	4	5/4	P211	7

C3

P112	3/6	3	3	P39	P89	7
P191	2	2	2	P30	P82	P159
3	2	1	1	0	5/0	P90
3	2	1	0	0	0	0
P39	2/5	0	0	0	0	0
5/7	P219	P84	0	0	0	0/4
7	P157	5/0	0	0	4/0	4

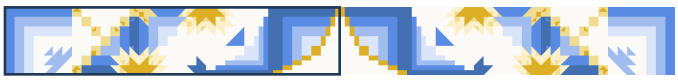
C4

7	P185	0/5	0	0	0	P8
P209	P70	0/5	0	0	0	P34
5/0	5/0	0	0/3	0	P7	P34
0	0	0/3	3	0	P19	P34
0	0	0	0	1	P19	P34
0	0	P1	P18	P18	P20	P34
P2	P32	P32	P32	P32	P32	P35

C5

4	4	4	4	4	4	P54
4	3	3	3	3	3	P138
4	3	2	2	2	P29	0
4	3	2	1	1	P138	0
4	3	2	1	7	0	0
4	3	P28	P150	0	0	0
P52	P150	0	0	0	0	0

Row reference



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Block charts / Row C

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

C6

P141	4	4	4	4	4	4
P11	3	3	3	3	3	4
0	P140	2	2	2	3	4
0	P11	1	1	2	3	4
0	0	7	1	2	3	4
0	0	0	P150	P28	3	4
0	0	0	0	0	P150	P52

C7

P44	0	0	0	0/5	P89	7
P45	0	0	0	0/5	P99	P159
P45	P21	0	0/3	0	5/0	5/0
P45	P22	0	3	0/3	0	0
P45	P22	1	0	0	0	0
P45	P23	P18	P18	P1	0	0
P46	P32	P32	P32	P32	P32	P2

C8

7	P185	P166	3	3	3/6	P109
P209	P217	P165	2	2	2	P231
P187	5/0	0	1	1	2	3
0	0	0	0	1	2	3
0	0	0	0	0	2/5	P166
0/4	0	0	0	P176	P81	5/7
4	4/0	0	0	5/0	P205	7

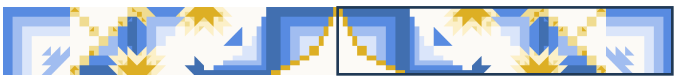
C9

P222	0	0	0	0	0	P228
P55	P111	0	0	0	6	0
4	3	P222	0	P124	0	0
4	3	2	6	0	0	0
P56	3/5	2	2	P109	0	0
5/7	P65	5/3	3	3	6	0
7	P160	5/4	4	4	4	P229

C10

3	3	3	3	3	3	3
2	2	2	2	2	2	3
1	1	1	1	1	2	3
0	0	0	0	1	2	3
0/2	0/2	0/2	0	1	2	3
2/0	2	0/2	0	1	2	3
0	2/0	0/2	0	1	2	3

Row reference



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Block charts / Row D

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

D1

P227	0	0	0	0	0	P112
0	P111	0	0	0	P124	4
0	0	P146	0	P128	3	4
0	0	0	P114	2	3	4
0	0	P124	2	2	P167	4/5
0	P128	3	3	5/3	P68	5/7
P112	4	4	4	P182	7/5	7

D2

P203	P171	3	3	3/5	5/7	7
6/3	2	2	2	2/5	P101	P161
3	2	1	1	0	5/0	5/0
3	2	1	0	0	0	0
P39	2/5	0	0	0	0	0
P221	5	5/0	0	0	0	0/4
7	7/5	5/0	0	0	4/0	4

D3

7	P198	0/5	0	0	0	P8
P209	5	0/5	0	0	0	P34
5/0	5/0	0	0/3	0	P7	P34
0	0	0/3	3	0	P19	P34
0	0	0	0	1	P19	P34
0	0	P1	P18	P18	P20	P34
P2	P32	P32	P32	P32	P32	P35

D4

4	4	4	4	4	4	P54
4	3	3	3	3	3	P138
4	3	2	2	2	P29	0
4	3	2	1	1	P138	0
4	3	2	1	7	0	0
4	3	P28	P150	0	0	0
P52	P150	0	0	0	0	0

D5

0	0	0	0	0	7/0	7
0	0	0	0	7/0	7	7/3
0	0	0	7/0	7	7/2	3
0	0	0/7	7	7/1	2	3
0	0/7	7	1/7	1	2	3
0/7	7	2/7	2	2	2	3
7	3/7	3	3	3	3	3

Row reference



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Block charts / Row D

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

D6

7	7 / 0	0	0	0	0	0
7 / 3	7	7 / 0	0	0	0	0
3	7 / 2	7	7 / 0	0	0	0
3	2	7 / 1	7	0 / 7	0	0
3	2	1	1 / 7	7	0 / 7	0
3	2	2	2	2 / 7	7	0 / 7
3	3	3	3	3	3 / 7	7

D7

P141	4	4	4	4	4	4
P11	3	3	3	3	3	4
0	P140	2	2	2	3	4
0	P11	1	1	2	3	4
0	0	7	1	2	3	4
0	0	0	P150	P28	3	4
0	0	0	0	0	P150	P52

D8

P44	0	0	0	0 / 5	P95	7
P45	0	0	0	0 / 5	5	P159
P45	P21	0	0 / 3	0	5 / 0	5 / 0
P45	P22	0	3	0 / 3	0	0
P45	P22	1	0	0	0	0
P45	P23	P18	P18	P1	0	0
P46	P32	P32	P32	P32	P32	P2

D9

7	5 / 7	3 / 5	3	3	P41	P236
P210	P77	2 / 5	2	2	2	6 / 3
5 / 0	5 / 0	0	1	1	2	3
0	0	0	0	1	2	3
0	0	0	0	0	2 / 5	P166
0 / 4	0	0	0	5 / 0	5	P202
4	4 / 0	0	0	5 / 0	7 / 5	7

D10

P109	0	0	0	0	0	P125
4	P222	0	0	0	P114	0
4	3	P224	0	P120	0	0
4	3	2	P111	0	0	0
4 / 5	P38	2	2	P222	0	0
5 / 7	P63	5 / 3	3	3	P224	0
7	7 / 5	P87	4	4	4	P109

Row reference



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Block charts / Row E

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

E1

P122	P172	3	3	3/5	P89	7
6/3	2	2	2	2/5	P61	7/5
3	2	1	1	0	P90	5/0
3	2	1	0	0	0	0
3/5	2/5	0	0	0	0	0
P89	P100	5/0	0	0	0	0/4
7	P161	5/0	0	0	4/0	4

E2

7	P198	0/5	0	0	0	P8
P209	5	0/5	0	0	0	P34
5/0	5/0	0	0/3	0	P7	P34
0	0	0/3	3	0	P19	P34
0	0	0	0	1	P19	P34
0	0	P1	P18	P18	P20	P34
P2	P32	P32	P32	P32	P32	P35

E3

4	4	4	4	4	4	P54
4	3	3	3	3	3	P138
4	3	2	2	2	P29	0
4	3	2	1	1	P138	0
4	3	2	1	7	0	0
4	3	P28	P150	0	0	0
P52	P150	0	0	0	0	0

E4

0	0	0	0	0	7/0	7
0	0	0	0	7/0	7	7/3
0	0	0	7/0	7	7/2	3
0	0	0/7	7	7/1	2	3
0	0/7	7	1/7	1	2	3
0/7	7	2/7	2	2	2	3
7	3/7	3	3	3	3	3

E5

4/0	4	4	4	4	4	4
4/0	4/0	4	4	4	4	4
4/0	0	4/0	4	4	4	4
4/0	0	0	4/0	4	4	4
4/0	0	0	0	4/0	4	4
4/0	0	0	0	0	4/0	4
4/0	0	0	0	0	0	4/0

Row reference



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Block charts / Row E

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

E6

4	4	4	4	4	4	4/0
4	4	4	4	4	4/0	4/0
4	4	4	4	4/0	0	4/0
4	4	4	4/0	0	0	4/0
4	4	4/0	0	0	0	4/0
4	4/0	0	0	0	0	4/0
4/0	0	0	0	0	0	4/0

E7

7	7/0	0	0	0	0	0
7/3	7	7/0	0	0	0	0
3	7/2	7	7/0	0	0	0
3	2	7/1	7	0/7	0	0
3	2	1	1/7	7	0/7	0
3	2	2	2	2/7	7	0/7
3	3	3	3	3	3/7	7

E8

P141	4	4	4	4	4	4
P11	3	3	3	3	3	4
0	P140	2	2	2	3	4
0	P11	1	1	2	3	4
0	0	7	1	2	3	4
0	0	0	P150	P28	3	4
0	0	0	0	0	P150	P52

E9

P44	0	0	0	0/5	P95	7
P45	0	0	0	0/5	5	P159
P45	P21	0	0/3	0	5/0	5/0
P45	P22	0	3	0/3	0	0
P45	P22	1	0	0	0	0
P45	P23	P18	P18	P1	0	0
P46	P32	P32	P32	P32	P32	P2

E10

7	P185	3/5	3	3	P42	P147
7/5	P59	2/5	2	2	6/3	
5/0	P187	0	1	1	2	3
0	0	0	0	1	2	3
0	0	0	0	0	2/5	3/5
0/4	0	0	0	5/0	P73	P185
4	4/0	0	0	5/0	P210	7

Row reference



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Block charts / Row F

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

F1

7	P198	0/5	0	0	0	P8
7/5	P106	0/5	0	0	0	P34
P187	P177	0	0/3	0	P7	P34
0	0	0/3	3	0	P19	P34
0	0	0	0	1	P19	P34
0	0	P1	P18	P18	P20	P34
P2	P32	P32	P32	P32	P32	P35

F2

4	4	4	4	4	4	P54
4	3	3	3	3	3	P138
4	3	2	2	2	P29	0
4	3	2	1	1	P138	0
4	3	2	1	7	0	0
4	3	P28	P150	0	0	0
P52	P150	0	0	0	0	0

F3

0	0	0	0	0	7/0	7
0	0	0	0	7/0	7	7/3
0	0	0	7/0	7	7/2	3
0	0	0/7	7	7/1	2	3
0	0/7	7	1/7	1	2	3
0/7	7	2/7	2	2	2	3
7	3/7	3	3	3	3	3

F4

4/0	4/0	4/0	4/0	4/0	4/0	4/0
4	4/0	0	0	0	0	0
4	4	4/0	0	0	0	0
4	4	4	4/0	0	0	0
4	4	4	4	4/0	0	0
4	4	4	4	4	4/0	0
4	4	4	4	4	4	4/0

F5

4	0/4	0	0	0	0	0/4
4/0	0	0	0	0	0	4
0	0	0	0	0	3	4
0	0	0	0	2	3	4
0	0	0	2	2	3/5	4/5
0	0	3	3	5/3	P62	5/7
0/4	4	4	4	5/4	P209	7

Row reference



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Block charts / Row F

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

F6

0/4	0	0	0	0	0/4	4
4	0	0	0	0	0	4/0
4	3	0	0	0	0	0
4	3	2	0	0	0	0
4/5	3/5	2	2	0	0	0
5/7	P62	5/3	3	3	0	0
7	P159	5/4	4	4	4	0/4

F7

4/0	4/0	4/0	4/0	4/0	4/0	4/0
0	0	0	0	0	4/0	4
0	0	0	0	4/0	4	4
0	0	0	4/0	4	4	4
0	0	4/0	4	4	4	4
0	4/0	4	4	4	4	4
4/0	4	4	4	4	4	4

F8

7	7/0	0	0	0	0	0
7/3	7	7/0	0	0	0	0
3	7/2	7	7/0	0	0	0
3	2	7/1	7	0/7	0	0
3	2	1	1/7	7	0/7	0
3	2	2	2	2/7	7	0/7
3	3	3	3	3	3/7	7

F9

P141	4	4	4	4	4	4
P11	3	3	3	3	3	4
0	P140	2	2	2	3	4
0	P11	1	1	2	3	4
0	0	7	1	2	3	4
0	0	0	P150	P28	3	4
0	0	0	0	0	P150	P52

F10

P44	0	0	0	0/5	P95	7
P45	0	0	0	0/5	P72	7/5
P45	P21	0	0/3	0	P130	P90
P45	P22	0	3	0/3	0	0
P45	P22	1	0	0	0	0
P45	P23	P18	P18	P1	0	0
P46	P32	P32	P32	P32	P32	P2

Row reference



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Block charts / Row G

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

G1

P47	P48	P48	P48	P48	P48	P49
0	0	P24	P25	P25	P26	P34
0	0	0	0	1	P19	P34
0	0	3 / 0	3	0	P19	P34
P16	P15	0	3 / 0	0	P7	P34
5 / 7	P218	5 / 0	0	0	0	P34
7	P157	5 / 0	0	0	0	P8

G2

P152	P6	0	0	0	0	0
4	3	P151	P6	0	0	0
4	3	2	1	7	0	0
4	3	2	1	1	P138	0
4	3	2	2	2	P29	0
4	3	3	3	3	3	P138
4	4	4	4	4	4	P54

G3

7	7 / 3	3	3	3	3	3
7 / 0	7	7 / 2	2	2	2	3
0	7 / 0	7	7 / 1	1	2	3
0	0	7 / 0	7	1 / 7	2	3
0	0	0	0 / 7	7	2 / 7	3
0	0	0	0	0 / 7	7	3 / 7
0	0	0	0	0	0 / 7	7

G4

4	4	4	4	4	4	0 / 4
4	4	4	4	4	0 / 4	0
4	4	4	4	0 / 4	0	0
4	4	4	0 / 4	0	0	0
4	4	0 / 4	0	0	0	0
4	0 / 4	0	0	0	0	0
0 / 4	0 / 4	0 / 4	0 / 4	0 / 4	0 / 4	0 / 4

G5

4 / 0	4	4	4	4 / 5	P89	7
0	0	3	3	3 / 5	P108	7 / 5
0	0	0	2	2	5 / 3	5 / 4
0	0	0	0	2	3	4
0	0	0	0	0	3	4
0 / 4	0	0	0	0	0	4
4	4 / 0	0	0	0	0	0 / 4

Row reference



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Block charts / Row G

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

G6

7	P185	4 5	4	4	4	4 0
7 5	P108	3 5	3	3	0	0
5 4	5 3	2	2	0	0	0
4	3	2	0	0	0	0
4	3	0	0	0	0	0
4	0	0	0	0	0	0 4
4 0	0	0	0	0	4 0	4

G7

0 4	4	4	4	4	4	4
0	0 4	4	4	4	4	4
0	0	0 4	4	4	4	4
0	0	0	0 4	4	4	4
0	0	0	0	0 4	4	4
0	0	0	0	0	0 4	4
0 4	0 4	0 4	0 4	0 4	0 4	0 4

G8

3	3	3	3	3	7 3	7
3	2	2	2	7 2	7	7 0
3	2	1	7 1	7	7 0	0
3	2	1 7	7	7 0	0	0
3	2 7	7	0 7	0	0	0
3 7	7	0 7	0	0	0	0
7	0 7	0	0	0	0	0

G9

0	0	0	0	0	P6	P152
0	0	0	P6	P151	3	4
0	0	7	1	2	3	4
0	P11	1	1	2	3	4
0	P140	2	2	2	3	4
P11	3	3	3	3	3	4
P141	4	4	4	4	4	4

G10

P50	P48	P48	P48	P48	P48	P47
P45	P27	P25	P25	P24	0	0
P45	P22	1	0	0	0	0
P45	P22	0	3	3 0	0	0
P45	P21	0	3 0	0	P163	P162
P45	0	0	0	5 0	P80	5 7
P44	0	0	0	5 0	P205	7

Row reference



Outlined half is charted on this page.

Block charts / Row H

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

H1

7	P199	0 / 5	0	0	0 / 4	4
P209	P73	0 / 5	0	0	0	4 / 0
5 / 3	5 / 2	0	0	0	0	0
3	2	1	0	0	0	0
3	2	1	1	0	P162	0 / 5
3 / 6	2	2	2	5 / 2	P99	5 / 7
P147	P132	3	3	5 / 3	P209	7

H2

P47	P48	P48	P48	P48	P48	P49
0	0	P24	P25	P25	P26	P34
0	0	0	0	1	P19	P34
0	0	3 / 0	3	0	P19	P34
0 / 5	0 / 5	0	3 / 0	0	P7	P34
P89	5	5 / 0	0	0	0	P34
7	P157	5 / 0	0	0	0	P8

H3

P152	P6	0	0	0	0	0
4	3	P151	P6	0	0	0
4	3	2	1	7	0	0
4	3	2	1	1	P138	0
4	3	2	2	2	P29	0
4	3	3	3	3	3	P138
4	4	4	4	4	4	P54

H4

7	7 / 3	3	3	3	3	3
7 / 0	7	7 / 2	2	2	2	3
0	7 / 0	7	7 / 1	1	2	3
0	0	7 / 0	7	1 / 7	2	3
0	0	0	0 / 7	7	2 / 7	3
0	0	0	0	0 / 7	7	3 / 7
0	0	0	0	0	0 / 7	7

H5

0 / 4	0	0	0	0	0	0 / 4
0 / 4	0	0	0	0	0 / 4	4
0 / 4	0	0	0	0 / 4	4	4
0 / 4	0	0	0 / 4	4	4	4
0 / 4	0	0 / 4	4	4	4	4
0 / 4	0 / 4	4	4	4	4	4
0 / 4	4	4	4	4	4	4

Row reference



Outlined half is charted on this page.

Block charts / Row H

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

H6

0/4	0	0	0	0	0	0/4
4	0/4	0	0	0	0	0/4
4	4	0/4	0	0	0	0/4
4	4	4	0/4	0	0	0/4
4	4	4	4	0/4	0	0/4
4	4	4	4	4	0/4	0/4
4	4	4	4	4	4	0/4

H7

3	3	3	3	3	7/3	7
3	2	2	2	7/2	7	7/0
3	2	1	7/1	7	7/0	0
3	2	1/7	7	7/0	0	0
3	2/7	7	0/7	0	0	0
3/7	7	0/7	0	0	0	0
7	0/7	0	0	0	0	0

H8

0	0	0	0	0	P6	P152
0	0	0	P6	P151	3	4
0	0	7	1	2	3	4
0	P11	1	1	2	3	4
0	P140	2	2	2	3	4
P11	3	3	3	3	3	4
P141	4	4	4	4	4	4

H9

P50	P48	P48	P48	P48	P48	P47
P45	P27	P25	P25	P24	0	0
P45	P22	1	0	0	0	0
P45	P22	0	3	3/0	0	0
P45	P21	0	3/0	0	0/5	0/5
P45	0	0	0	5/0	5	P185
P44	0	0	0	5/0	P205	7

H10

4	0/4	0	0	0/5	P96	7
4/0	0	0	0	0/5	P100	P159
0	0	0	0	0	5/2	5/3
0	0	0	0	1	2	3
0/5	P16	0	1	1	2	3
5/7	P70	5/2	2	2	2	3/6
7	P159	5/3	3	3	P189	P122

Row reference



Outlined half is charted on this page.

Block charts / Row I

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

I1

P146	4	4	4	P58	5/7	7
0	P224	3	3	3/5	P196	7/5
0	0	P111	2	2	P216	5/4
0	0	0	P222	2	3	4
0	0	P112	0	P224	3	4
0	P124	0	0	0	P111	4
P201	0	0	0	0	0	P146

I2

7	5/7	0/5	0	0	0/4	4
P206	5	0/5	0	0	0	4/0
P188	5/2	0	0	0	0	0
3	2	1	0	0	0	0
3	2	1	1	0	0/5	0/5
3/6	2	2	2	5/2	P88	P199
P117	P231	3	3	5/3	7/5	7

I3

P47	P48	P48	P48	P48	P48	P49
0	0	P24	P25	P25	P26	P34
0	0	0	0	1	P19	P34
0	0	3/0	3	0	P19	P34
0/5	0/5	0	3/0	0	P7	P34
P89	5	5/0	0	0	0	P34
7	P157	5/0	0	0	0	P8

I4

P152	P6	0	0	0	0	0
4	3	P151	P6	0	0	0
4	3	2	1	7	0	0
4	3	2	1	1	P138	0
4	3	2	2	2	P29	0
4	3	3	3	3	3	P138
4	4	4	4	4	4	P54

I5

7	7/3	3	3	3	3	3
7/0	7	7/2	2	2	2	3
0	7/0	7	7/1	1	2	3
0	0	7/0	7	1/7	2	3
0	0	0	0/7	7	2/7	3
0	0	0	0	0/7	7	3/7
0	0	0	0	0	0/7	7

Row reference



Outlined half is charted on this page.

Block charts / Row I

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

I6

3	3	3	3	3	3 / 7	7
3	2	2	2	2 / 7	7	0 / 7
3	2	1	1 / 7	7	0 / 7	0
3	2	7 / 1	7	0 / 7	0	0
3	7 / 2	7	7 / 0	0	0	0
7 / 3	7	7 / 0	0	0	0	0
7	7 / 0	0	0	0	0	0

I7

0	0	0	0	0	P6	P152
0	0	0	P6	P151	3	4
0	0	7	1	2	3	4
0	P11	1	1	2	3	4
0	P140	2	2	2	3	4
P11	3	3	3	3	3	4
P141	4	4	4	4	4	4

I8

P50	P48	P48	P48	P48	P48	P47
P45	P27	P25	P25	P24	0	0
P45	P22	1	0	0	0	0
P45	P22	0	3	3 / 0	0	0
P45	P21	0	3 / 0	0	0 / 5	0 / 5
P45	0	0	0	5 / 0	5	P185
P44	0	0	0	5 / 0	P205	7

I9

4	0 / 4	0	0	0 / 5	5 / 7	7
4 / 0	0	0	0	0 / 5	5	P158
0	0	0	0	0	5 / 2	P91
0	0	0	0	1	2	3
0 / 5	0 / 5	0	1	1	2	3
P96	P183	5 / 2	2	2	2	3 / 6
7	7 / 5	5 / 3	3	3	P191	P113

I10

7	5 / 7	P175	4	4	4	P120
7 / 5	P133	3 / 5	3	3	P128	0
5 / 4	P179	2	2	P114	0	0
4	3	2	P124	0	0	0
4	3	P128	0	P109	0	0
4	P114	0	0	0	P222	0
P120	0	0	0	0	0	P135

Row reference



Outlined half is charted on this page.

Block charts / Row J

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

J1

3	2	1	0	2 / 0	0 / 2	0
3	2	1	0	2 / 0	2	0 / 2
3	2	1	0	2 / 0	2 / 0	2 / 0
3	2	1	0	0	0	0
3	2	1	1	1	1	1
3	2	2	2	2	2	2
3	3	3	3	3	3	3

J2

P226	4	4	4	4 / 5	P131	7
0	6	3	3	3 / 5	P215	7 / 5
0	0	P146	2	2	5 / 3	P86
0	0	0	6	2	3	4
0	0	P114	0	P111	3	4
0	6	0	0	0	P222	P53
P115	0	0	0	0	0	P111

J3

7	P198	0 / 5	0	0	0 / 4	4
7 / 5	P195	P164	0	0	0	4 / 0
P188	5 / 2	0	0	0	0	0
3	2	1	0	0	0	0
3	2	1	1	0	0 / 5	P162
P41	2	2	2	P178	P102	P185
P146	6 / 3	3	3	P188	P209	7

J4

P47	P48	P48	P48	P48	P48	P49
0	0	P24	P25	P25	P26	P34
0	0	0	0	1	P19	P34
0	0	3 / 0	3	0	P19	P34
0 / 5	0 / 5	0	3 / 0	0	P7	P34
P89	P59	5 / 0	0	0	0	P34
7	P159	5 / 0	0	0	0	P8

J5

P152	P6	0	0	0	0	0
4	3	P151	P6	0	0	0
4	3	2	1	7	0	0
4	3	2	1	1	P138	0
4	3	2	2	2	P29	0
4	3	3	3	3	3	P138
4	4	4	4	4	4	P54

Row reference



Outlined half is charted on this page.

Block charts / Row J

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

J6

0	0	0	0	0	P6	P152
0	0	0	P6	P151	3	4
0	0	7	1	2	3	4
0	P11	1	1	2	3	4
0	P140	2	2	2	3	4
P11	3	3	3	3	3	4
P141	4	4	4	4	4	4

J7

P50	P48	P48	P48	P48	P48	P47
P45	P27	P25	P25	P24	0	0
P45	P22	1	0	0	0	0
P45	P22	0	3	3/0	0	0
P45	P21	0	3/0	0	0/5	0/5
P45	0	0	0	5/0	P61	P185
P44	0	0	0	5/0	P209	7

J8

4	0/4	0	0	0/5	P95	7
4/0	0	0	0	P17	P94	7/5
0	0	0	0	0	5/2	P91
0	0	0	0	1	2	3
P16	0/5	0	1	1	2	3
P89	P76	P85	2	2	2	P171
7	P159	P91	3	3	6/3	P120

J9

7	P186	4/5	4	4	4	P129
7/5	P220	3/5	3	3	6	0
P181	5/3	2	2	P120	0	0
4	3	2	6	0	0	0
4	3	P114	0	P111	0	0
P51	P124	0	0	0	6	0
P114	0	0	0	0	0	P115

J10

0	0/2	2/0	0	1	2	3
0/2	2	2/0	0	1	2	3
2/0	2/0	2/0	0	1	2	3
0	0	0	0	1	2	3
1	1	1	1	1	2	3
2	2	2	2	2	2	3
3	3	3	3	3	3	3

Row reference



Outlined half is charted on this page.

Block charts / Row K

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

K1

P8	4	4	4	4	4	4
P138	3	3	3	3	3	4
7	P7	2	2	2	3	4
7	P139	1	1	2	3	4
7	P104	0	1	2	3	4
7	P200	P69	P5	P24	3	4
7	7	7	7	7	P6	P47

K2

3	2	1	0	2/0	0/2	0
3	2	1	0	2/0	2	0/2
3	2	1	0	2/0	2/0	2/0
3	2	1	0	0	0	0
3	2	1	1	1	1	1
3	2	2	2	2	2	2
3	3	3	3	3	3	3

K3

6	4	4	4	4/5	5/7	7
0	P114	3	3	3/5	P108	7/5
0	0	P225	2	2	5/3	P92
0	0	0	6	2	3	4
0	0	P123	0	P222	P31	4
0	6	0	0	0	P222	4
6	0	0	0	0	0	P109

K4

7	5/7	0/5	0	0	0/4	4
P205	5	P164	0	0	0	4/0
P188	5/2	0	0	0	0	0
3	2	1	0	0	0	0
3	2	1	1	0	0/5	0/5
P40	2	2	2	5/2	5	5/7
P147	P212	3	3	P180	P209	7

K5

P47	P48	P48	P48	P48	P48	P49
0	0	P24	P25	P25	P26	P34
0	0	0	0	1	P19	P34
0	0	3/0	3	0	P19	P34
0/5	0/5	0	3/0	0	P7	P34
5/7	5	5/0	0	0	0	P34
7	7/5	5/0	0	0	0	P8

Row reference



Outlined half is charted on this page.

Block charts / Row K

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

K6

P50	P48	P48	P48	P48	P48	P47
P45	P27	P25	P25	P24	0	0
P45	P22	1	0	0	0	0
P45	P22	0	3	3 / 0	0	0
P45	P21	0	3 / 0	0	0 / 5	0 / 5
P45	0	0	0	5 / 0	5	5 / 7
P44	0	0	0	5 / 0	7 / 5	7

K7

4	0 / 4	0	0	0 / 5	5 / 7	7
4 / 0	0	0	0	P17	5	P157
0	0	0	0	0	5 / 2	P91
0	0	0	0	1	2	3
0 / 5	0 / 5	0	1	1	2	3
5 / 7	5	5 / 2	2	2	2	P170
7	P159	P184	3	3	P192	P122

K8

7	5 / 7	4 / 5	4	4	4	6
7 / 5	P108	3 / 5	3	3	P111	0
P193	5 / 3	2	2	P126	0	0
4	3	2	6	0	0	0
4	P33	P124	0	P148	0	0
4	P124	0	0	0	6	0
P112	0	0	0	0	0	6

K9

0	0 / 2	2 / 0	0	1	2	3
0 / 2	2	2 / 0	0	1	2	3
2 / 0	2 / 0	2 / 0	0	1	2	3
0	0	0	0	1	2	3
1	1	1	1	1	2	3
2	2	2	2	2	2	3
3	3	3	3	3	3	3

K10

4	4	4	4	4	4	P44
4	3	3	3	3	3	P11
4	3	2	2	2	P21	7
4	3	2	1	1	P12	7
4	3	2	1	0	P71	7
4	3	P24	P4	P64	P134	7
P47	P6	7	7	7	7	7

Row reference



Outlined half is charted on this page.

Block charts / Row L

Columns 1 through 5 of 10 / read every chart left to right, top to bottom.

L1

P2	P150	7	7	7	7	7
4	3	P1	P107	P153	P153	7
4	3	2	1	0	P197	7
4	3	2	1	1	P9	7
4	3	2	2	2	P21	7
4	3	3	3	3	3	P11
4	4	4	4	4	4	P44

L2

P8	4	4	4	4	4	P53
P138	3	3	3	3	3	4
7	P7	2	2	2	3	4
7	P98	1	1	2	3	4
7	P104	0	1	2	3	4
7	P234	P103	P5	P24	3	4
7	7	7	7	7	P6	P47

L3

3	2	1	0	2/0	0/2	0
3	2	1	0	2/0	2	0/2
3	2	1	0	2/0	2/0	2/0
3	2	1	0	0	0	0
3	2	1	1	1	1	1
3	2	2	2	2	2	2
3	3	3	3	3	3	3

L4

P146	4	4	4	P58	P96	7
0	P222	3	3	3/5	5	P157
0	0	P109	2	2	5/3	5/4
0	0	0	6	2	3	4
0	0	P123	0	P226	3	4
0	P124	0	0	0	P114	4
6	0	0	0	0	0	P146

L5

7	P186	0/5	0	0	0/4	4
7/5	5	0/5	0	0	0	4/0
5/3	5/2	0	0	0	0	0
3	2	1	0	0	0	0
3	2	1	1	0	0/5	0/5
3/6	2	2	2	5/2	P194	5/7
P137	6/3	3	3	5/3	7/5	7

Row reference



Outlined half is charted on this page.

Block charts / Row L

Columns 6 through 10 of 10 / read every chart left to right, top to bottom.

L6

4	0 4	0	0	0 5	P131	7
4 0	0	0	0	0 5	5	7 5
0	0	0	0	0	5 2	5 3
0	0	0	0	1	2	3
0 5	0 5	0	1	1	2	3
5 7	P93	5 2	2	2	2	3 6
7	7 5	5 3	3	3	6 3	P208

L7

7	P199	P175	4	4	4	P120
P205	5	3 5	3	3	P124	0
5 4	5 3	2	2	P112	0	0
4	3	2	6	0	0	0
4	3	P129	0	P148	0	0
4	P111	0	0	0	P222	0
P120	0	0	0	0	0	6

L8

0	0 2	2 0	0	1	2	3
0 2	2	2 0	0	1	2	3
2 0	2 0	2 0	0	1	2	3
0	0	0	0	1	2	3
1	1	1	1	1	2	3
2	2	2	2	2	2	3
3	3	3	3	3	3	3

L9

P51	4	4	4	4	4	P44
4	3	3	3	3	3	P11
4	3	2	2	2	P21	7
4	3	2	1	1	P10	7
4	3	2	1	0	P71	7
4	3	P24	P4	P74	P83	7
P47	P6	7	7	7	7	7

L10

7	7	7	7	7	P150	P2
7	P154	P154	P107	P1	3	4
7	P204	0	1	2	3	4
7	P97	1	1	2	3	4
7	P7	2	2	2	3	4
P138	3	3	3	3	3	4
P8	4	4	4	4	4	4

Row reference



Outlined half is charted on this page.

Join, quilt & bind

Final assembly / ten columns by twelve rows / no added border

1 Join the labeled rows

Arrange A1 through A10 across the top, then B1 through B10 underneath. Continue through row L. Compare the star intersections and gold diagonal chains with the overview on page 1. Join blocks in each row with a 1/4-inch seam. Each row measures 88 x 9 1/4 before it is joined to the next.

2 Complete the medallion

Press block joins toward opposite ends in alternating rows. Match the seams and pin on either side of each star intersection. Sew rows A through L together in order. The pieced top measures 88 x 105 1/2 including perimeter seam allowances. The nominal finished design is 87 1/2 x 105; quilting and washing can affect the final size.

3 Layer and quilt

Place the backing wrong side up, add the batting, and center the pressed top right side up. Baste from the center outward. Quilt along the stepped frames and echo the star outlines, adding lines through the open areas to meet your batting manufacturer’s spacing requirements.

4 Bind the edges

Trim the backing and batting even with the top. Join the binding strips with diagonal seams. Trim the joins to 1/4 inch and press open. Fold the long strip in half lengthwise, wrong sides together. Sew raw edges to the quilt front with a 1/4-inch seam, miter the corners, join the tails and stitch the folded edge to the back.

Size note: the supplied sheet lists the double/queen at approximately 87 x 105. The exact grid used here finishes at 87 1/2 x 105.