

## DesignedBuyCarolyn on etsy.com

## www.carolynmcneil.info

## PinkZag Rug

Finished size:  $25'' \times 31''$ , 3.75 mesh rug canvas. To prepare the rug canvas, count 80 holes horizontally and mark the canvas. Be sure to leaves about 2-3 inches on each side for finishing. Next, count 100 holes vertically and mark the canvas. Again, leave 2-3 inches on each end for finishing\*.

## Pre-Cut Rug Yarn Colors:

The colors listed are from Herschnerr's line of acrylic pre-cut rug yarn. The number of packets required for each color is based on Herschnerr's packets of 320 strands. If you choose to use a different brand of yarn, you may need to adjust your packet count.

# on Chart	Yarn #/Color	# Strands Used	# Packets Needed
1	0042 Pale Pink	2124	7
2	0043 Pink	2052	7
3	0044 Light Rose	1964	7
4	0045 Rose	1860	6

The pdf chart will print 6 pages.

Working top to bottom, pages 3 - 4 should be worked first, moving horizontally. Then continue with pages 5 - 6. Working bottom to top, start with pages 6 - 5 and 4 - 3.

Page 3	Page 4
Page 5	Page 6

<sup>\*</sup>Helpful Hint: The best way to "finish" the edges of a latch hook rug is as follows:

Use an "Iron-On" rug binding tape around the edges of the rug canvas.

Before starting, fold the edges of the canvas under and "hook" through both the top canvas holes and the "folded under" canvas holes. Do the same with the sides of the rug. This can be done as you work the rug. Try to hook through at least 4 rows. This will reinforce your edges for a rug that will last.



_	_	_					_		-	-	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_			_				-	-	-	_	_	_	_
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	i	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
1	1	1	2	2	2	3	3	3	4	4	4	1	i	i	1	1	1	1	1	1	1	1	1	i	1	Ť	2	2	2	3	3	3	4	4	4	1	1	1	1
i	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	i	1	1	1	i	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
i	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	i	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
i	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	i	i	i	2	2	2	3	3	3	4	4	4	2	2	2	2
÷	i	i	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	i	i	Ť	2	2	2	3	3	3	4	4	4	2	2	2	2
i	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	i	i	i	2	2	2	3	3	3	4	4	4	2	2	2	2
÷	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	i	i	1	2	2	2	3	3	3	4	4	4	3	3	3	-
÷	1	i	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	i	2	2	2	3	3	3	4	4	4	3	3	3	3 3
÷	÷	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	÷	÷	÷	2	2	2	3	3	3	4	4	4	3	3	3	3
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	2	3	3	3	4	4	4	1	1	1	1	1	1	7 =	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	i	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2				4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3 3	3 3 3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
	<b>2 3</b>	3			3	3	3					1	_	1		_		3	2	2		4	4	3	3	3	3	3	3	3	3		<b>2 3</b>	3	3	_	1	1	2
3	3		3		3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	2	4			3	3	3		3	3	3	3	3	3	3		1	1	1	2
3	3	3			2	3	3	3	3			1	1	1	2	2		5	3	3		4	4	2		3	3			2	2	3	3	3	3	-	-	1	
	4	3	3		3		5	5		3	3	1	1	1	2	2	2	3	3	5	4		4	3	3	3	3	3	3	3	3		5	3	3	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	2	2	2	5	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	2
4	4	4	4	4	4	4	4		4	4	4	4	1	1	2	2	2	3		3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3		4	4	4	4	4	4	4		4	4	4	4	4	4	4	1	1	1	2
1	1	1	2	2	2	3	3	3		4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1

	-	_	_	_		_	_		-	_						-	-	-	-	_	-	_	_	_	_	-	-	_	-	-		_	_	_				-	
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	<b>ω ω ω ω ω ω</b> ω
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	$\overline{}$	4	1	1	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4		4	1	1	1	2	2	2	3	
4	4	4	4	4	4	4	4	1	Ť	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4		4	_	4	1	1	1	2	2	2	3	യ യ
2	2	3	3	3	4	4	4	i	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	_	4	1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	i	1	i	1	1	1	1	1	i	i	1	1	1	i	i	2	2	2	3		3	4	_	4	1	1	i	1	i	1	1	1
2	2	3	3	3	4	4	4	i	÷	÷	÷	÷	÷	1	1	÷	i	1	÷	1	i	÷	2	2	2	3	2		4	_	4	÷	1	i	÷	÷	1	1	1
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3 3		4	_	4	2	2	2	2	2	2	2	2
_		3		_	_	_	_	-	_	-				_	_	-	_			4	1	1				3	3		_	$\rightarrow$	_		_		_			-	2
2	2		3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1		1	2	2	2				4	-	4	2	2	2	2	2	2	2	2
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	-	1	1	2	2	2	3	3	3	4	_	4	2	2	2	2	2	2	2	3
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	_	4	3	3	3	3	3	3	3	3
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	$\overline{}$	4	3	3	3	3	3	3	3	
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	-	4	3	3	3	3	3	3	3	3 4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4		4	4	4	4	4	4	4	4	4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3		3	4		4	4	4	4	4	4	4	4	4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	4 3 3 3 3 3 3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	<u>ა</u>	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	യ യ
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4		4	1	1	1	2	2	2	3	3
2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4		4	1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	-	4	1	1	1	1	1	1	1	1
2	2	_	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2				4		4	1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	i	i	1	2	2	2	3	3		4		4	2	2	2	2	2	2	2	2
2	2		3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2		2		4		4	2	2	2	2	2	2	2	2
2	2	3 3 3 3 3 3	3	3	4	4	4		2	2	2					2				1	1	1	2		2	3	33333333333		4		4		2	2	2	2		2	2 3 3 4 4 4 3 3
		2	3	2	4			2 3	3	3		2	3	2 3	<b>2 3</b>	3	3	<b>3</b>	3 3	1	1	1		2		3	2					3	2 3	3	3	3	<b>2 3</b>	2 3	2
2	2	5	5	3	4	4	4	5	5	5	3	3	5	5	5	5	5	5	5		_	1	2		2	3	3	3	4	4	4	3	5	5	5	5	3	3	3
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3
2	2	3	3 3 3	3	4	4	4	3 3 4 4	3 3 4	3	3	3	3	3	3 4 4	3	3	3 4 4	3	1	1	1	2	2	2	3 3 3	3		4	4	4	3	3 4 4	3	3	3	3 3 4	3	3
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4		4	4	4	4	1	1	1	2	2	2	3	3	3	4		4	4	4	4	4	4	4	4	4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3		_	4	4	4	4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	2	2	2	4 3 3	4 3 3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3

_																																							
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
i	i	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
÷	÷	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	÷	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
÷	1	4	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	1	2	2	2	3	3	3	4	4	4	4	4	4	4
4	4	4	7	7	7	3	1	3	4	4	4	4	1	4	2	7	2	-	_	_	4	_	_	1	4	1	1	7	1	3	3	1	4	4	4	4	4	4	$\overline{}$
+	1	1	1	1	1	1	1	1	+	+	1	1	1	1	_	2	-	3	3	3 3	4	4	4	1	1	1	1	4	1	4	+	1	1	1	1	-	1	1	2
H	-	1	1	1	1	1	_		-	+	1	1	_	-	2	2	2		3	3		_		1	1	-	1	-	1	-	+	_	-	1	-	-	-	_	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3			4	4	4	1	1	1	1	1		_	1	1	1	1	1	_	_	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
Ħ	i	i	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	i	i	i	2	2	2	3	3	3	4	4	4	2	2	2	2
Ė	i	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2
÷	÷	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	÷	1	÷	2	2	2	3	3	3	4	4	4	2	2	2	2
÷	1	4	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	4	1	2	2	2	3	3	3	4	4	4	3	3	3	
+	1	4	2	2	2	3	3	3	4	4	4	3	3	3	_	3	3	3	3	3	3	3	3	+	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
-	-	-	2	2	2		_	_	_	-	_	_	_	_	3	_	_	_	_	_		_		-	1	-	_	2	2			_	_	_		-			2
4	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3
_	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
3	3	3			3	3	3	3	3		3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2
3	3	3			3	3	3	3				1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3		1	1	1	2
4	4	4	4	4	4	4	4	4			4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2 2 2
4	4	4	4	4	4	4	4	4		4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
4	4	4	4	4	4	4	4	4		4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2
1	1	1	2	2	2	3	3	3		4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3		4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3			4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1
1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	i	2	2	2	3	3	3	4	4	4	2	2	2	2
	1	1	_	_	~	9	9	9	1	1	7	~	~	~	~	~	-	-	-	~	~	~	~	- 1		_ 1	-	~	_	)	9	9	7	7	1	~	~	_	<b>=</b>

1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3 3 3 3 3 3 3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	i	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	i	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	÷	÷	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	i	i	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	i	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	i	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	+	1	1	2	2	2	3	3 3
4	4	4	4	4	4	4	4	+	+	-	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4		4	4	4	+	1	1	2	2	2	3	2
_			3	-	4	4	4	+	1	-	1	1	1	_		3	4	4	4	7 7	4	7	7	2		$\overline{}$			4	4		1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	+	1	4	1	+	1	1	1	+	1	+	4	1	1	+	2	2	2	3	3	2	4	4	4	+	1	1	+	-	1	1	1
2	2	3	3	3	4	4	4	i	-	4	1	1	1	1	1	1	i	+	1	1	+	+	2	2	2	3	3 3	3	4	4	4	+	i	1	+	-	1	+	1
_		3	3						-	_	1	1	1	_	_	_	-			1	4	-				3	2					-	_	1	1	1	1	-	
2	2			3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	+	2	2	2	2	3	3	4	4	4	2	2	2	2	2	2	2	2
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3		3	4	4	4	2	2	2	2	2	2	2	2
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	4	-	1	2	2	2	3	3 3 3 3	3	4	4	4	2	2	2	2	2	2	2	2 2 3 3 4
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	1	1	2	2	2		2	3	4	4	4	3	3	3	3	3	3	3	3
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	_	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3		3	4	4	4	4	4	4	4	4	4	4	
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	S	3	4	4	4	4	4	4	4	4	4	4	4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4 3 3 3 3 3 3 3 3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	
3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3 3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3
4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	
2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3		3	4	4	4	1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2
2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2
2	2	_	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	_	3	4	4	4	2	2	2	2	2	2	2	
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3
2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3
2	2	3 3 3 3 3	3 3 3	3	4	4	4	3 3 4 4 4	3 4	3	3	3 4	3 3 4	3 3 4	3 3 4	3 3 4	3	3 3 4	3 3 4	1	1	1	2	2	2	3 3 3 3	3 3 3 3 3 3	3 3 3	4	4	4	3 3 4	3 3 4 4 4	3 3 4	3	3	3 3 4	3 3 4	3
2	2	3	3	3	4	4	4	4	4	4	4			4	4		4			1	1	1	2	2	2	3	3	3	4	4	4		4	4	4	4			4
2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4
2	2		3	3	4	4	4		4	4	4	4	4	4	4	4	4	4	4	1	1	1	2	2	2	3		3	4	4	4	4		4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	4 3 3 3	4 3 3 3 3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2		3 3 4 4 4 3 3 3
1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3
2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	3
_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_		_	_	-						_	_	_	_	_	_	_	_	_	_	_	_		_	_