

# ANAPHASE MITTENS BY TETI LUTSAK



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nutsknitwear



tekinka



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## INTRODUCTION

Anaphase is the fourth phase of mitosis, the process that separates the duplicated genetic material carried in the nucleus of a parent cell into two identical daughter cells. During this stage the separated chromosomes are pulled by the spindle to opposite poles of the cell. The pattern was inspired by those star-like spindle structures.

The mittens are worked in the round in reverse stockinette stitch with a pattern of twisted sts and cables on the front panel and feature anatomically fitted thumb.

## SIZES

The pattern is written for three sizes S [M, L] to fit 18 [20.5, 22] cm / 7 [8, 8.6] in palm width with ca. 15 [16.5, 18] cm / 5.9 [6.4, 7] in wide and 6 cm / 2.35 in long cuffs.

## YARN

ca. 90 g of Drops Nepal, 65% wool and 35% alpaca with 75 m in 50 g, shown in colour Grey 0501; or any similar yarn to match the gauge.

## NEEDLES AND NOTION

A pair of 3.75 mm (US 5) and 3.5 mm (US 4) double pointed or circular needles (smaller size to work the cuffs and thumbs). You are welcome to use circular needles with a longer cable to work the two mittens at the same time using magic loop technique.

Also, stitch markers; stitch holder or scrap yarn; ca. 2.5 mm (B or C) crochet hook or tapestry needle, cable needle (optional).

## GAUGE

22 sts and 15 rows in 10 cm (4 in) measured over reverse stockinette stitch in the round after blocking on 3.75 mm (5 US) needles. Adjust the needle size if necessary to obtain the correct gauge.

## ABBREVIATIONS AND TECHNIQUES

**BOR/EOR** — beginning/end of the round;

**Rnd** — round;

**LH/RH** — left/right hand (needle);

**kall/pall** — knit/purl all;

**st (s)** — stitch (es); **rep** — repeat;

**CN** — cable needle;

**1-1LPC** — slip 1 st onto a CN and hold in front (or just slip and hold in front), p1, then k1 from CN;

**1-1RPC** — slip 1 st onto a CN and hold behind (or just slip and hold behind), k1, then p1 from CN;

**k1tbl** — knit 1 st through the back loop;

**p2tog** — purl 2 sts together as if they were one;

**k2tog** — knit 2 sts together (right leaning 1 st decrease);

**ssk** — slip the next 2 sts, one by one, knit wise, insert the tip of the LH needle, from left to right, into the fronts of those 2 sts and knit them together (left leaning 1 st decrease);

**m1L — make 1 left** — insert LH needle, from front to back, under strand of yarn that runs between next st on LH needle and last st on RH needle; knit this st through back loop (1 st increase);

#### **CUFFS**

With your 3.5 mm (US 4) needles using a long tail cast-on cast on 30 [34, 38] sts. Join to work in the round and place the BOR marker.

**Rnd 1 — Rnd 18:** \*k1tbl, p1; rep from \* to the EOR.

#### **LEFT HAND MITTEN**

Switch to 3.75 mm (US 5) needles and follow the written instruction and/or the charts provided for all the sizes.

#### **Sizes S and M**

**Rnd 1:** p2, k1tbl, p5, k1tbl, p5, k1tbl, p to the EOR.

#### **SIZE L ONLY**

**Rnd 1:** p2, k1tbl, p5, k1tbl, p5, k1tbl, p19, m1L, p2, m1L, p2.

#### **ALL SIZES**

**Rnd 2:** p2, k1tbl, p3, 1-1RPC, k1tbl, 1-1LPC, p3, k1tbl, p to the EOR.

**Rnd 3:** p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p1, 1-1LPC, p2, k1tbl, p11 [15, 21], m1L, p2, m1L, p2 [2, 3].

**Rnd 4:** p2, k1tbl, p1, 1-1RPC, p2, k1tbl, p2, 1-1LPC, p1, k1tbl, p to the EOR.

**Rnd 5:** p2, k1tbl, 1-1RPC, p1, 1-1RPC, k1tbl, 1-1LPC, p1, 1-1LPC, k1tbl, p12 [16, 22], m1L, p2, m1L, p3 [3, 4].

**Rnd 6:** p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p1, 1-1LPC, p2, k1tbl, p to the EOR.

**Rnd 7:** p2, k1tbl, p1, 1-1RPC, p2, k1tbl, p2, 1-1LPC, p1, k1tbl, p13 [17, 23], m1L, p2, m1L, p4 [4, 5].

**Rnd 8:** k1tbl, p3, 1-1RPC, k1tbl, 1-1LPC, p3, k1tbl, p to the EOR.

**Rnd 9:** k1tbl, p5, k1tbl, p5, k1tbl, p14 [16, 18], m1L, p2, m1L, p5 [5, 6].

**Rnd 10:** k1tbl, p5, k1tbl, p5, k1tbl, p to the EOR.

**Rnd 11:** k1tbl, p3, 1-1LPC, k1tbl, 1-1RPC, p3, k1tbl, p15 [17, 19], m1L, p2, m1L, p6 [6, 7].

You will have a total of 40 [44, 50] sts.

By now you should be done with increases for the thumb. Try it on and check if you need more. If so, increase more in Rnds 13 and/or 15.

**Rnd 12:** k1tbl, p1, 1-1LPC, p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p to the EOR.

**Rnd 13:** k1tbl, p2, 1-1LPC, p1, k1tbl, p1, 1-1RPC, p2, k1tbl, p to the EOR.

**Rnd 14:** k1tbl, 1-1LPC, p1, 1-1LPC, k1tbl, 1-1RPC, p1, 1-1RPC, k1tbl, p to the EOR.

**Rnd 15:** k1tbl, p1, 1-1LPC, p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p to the EOR.

**Rnd 16:** k1tbl, p2, 1-1LPC, p1, k1tbl, p1, 1-1RPC, p2, k1tbl, p to the EOR.

**Rnd 17:** k1tbl, p3, 1-1LPC, k1tbl, 1-1RPC, p3, k1tbl, p to the EOR.

**Rnd 18 and Rnd 19:** k1tbl, p5, k1tbl, p5, k1tbl, p to the EOR.

**Rnd 20 — Rnd 37:** repeat as **Rnd 2 — Rnd 19** but without any increases.

In **Rnd 25** work all until there are 10 [10, 12] sts left to EOR, move the next 10 [10, 12] sts onto a stitch holder or a piece of scrap yarn and hold on for the thumb. Keep following the chart till the end of **Rnd 37**.

**Rnd 38 — Rnd 46:** repeat as **Rnd 2 — Rnd 10** but without any increases.

#### **SIZE S ONLY**

**Rnd 47:** move the BOR marker 2 sts to the left, k1tbl, p3, 1-1LPC, k1tbl, 1-1RPC, p3, k1tbl, p2tog, p to the EOR.

**Rnd 48:** k1tbl, p1, 1-1LPC, p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p to the EOR.

**Rnd 49:** k1tbl, p2, 1-1LPC, p1, k1tbl, p1, 1-1RPC, p2, k1tbl, p to the EOR.

#### **SIZE M ONLY**

**Rnd 47:** move the BOR marker 2 sts to the left, k1tbl, p3, 1-1LPC, k1tbl, 1-1RPC, p3, k1tbl, p to the EOR.

**Rnd 48:** k1tbl, p1, 1-1LPC, p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p2tog, p17, p2tog.

**Rnd 49:** k1tbl, p2, 1-1LPC, p1, k1tbl, p1, 1-1RPC, p2, k1tbl, p2tog, p15, p2tog.

#### **SIZE L ONLY**

**Rnd 47:** move the BOR marker 2 sts to the left, k1tbl, p3, 1-1LPC, k1tbl, 1-1RPC, p3, k1tbl, p2tog, p21, p2tog.

**Rnd 48:** k1tbl, p1, 1-1LPC, p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p2tog, p19, p2tog.

**Rnd 49:** k1tbl, p2, 1-1LPC, p1, k1tbl, p1, 1-1RPC, p2, k1tbl, p2tog, p17, p2tog.

#### **ALL SIZES**

**Rnd 50:** k1tbl, 1-1LPC, p1, 1-1LPC, k1tbl, 1-1RPC, p1, 1-1RPC, k1tbl, p2tog, p13 [13, 15], p2tog.

**Rnd 51:** k1tbl, p1, 1-1LPC, p2, k1tbl, p2, 1-1RPC, p1, k1tbl, p2tog, p11 [11, 13], p2tog.

**Rnd 52:** k1tbl, p2, 1-1LPC, p1, k1tbl, p1, 1-1RPC, p2, k1tbl, p2tog, p9 [9, 11], p2tog.

**Rnd 53:** ssk, p2, 1-1LPC, k1tbl, 1-1RPC, p2, k2tog, p2tog, p7 [7, 9], p2tog.

**Rnd 54:** ssk, p3, k1tbl, p3, k2tog, p2tog, p5 [5, 7], p2tog.

**Rnd 55:** ssk, p2tog, k1tbl, p2tog, k2tog, p2tog, p3 [3, 5], p2tog.

**Rnd 56:** ssk, k1tbl, k2tog, p2tog, p1 [1, 3], p2tog.

Break the yarn and thread the end through the remaining stitches with a hook or a tapestry needle. Pull the yarn tight to close the hole, fasten on inside and weave in the end.

#### **THUMB**

With 3.50 mm (US 4) needles pick up sts on hold for the thumb. Pick up and purl 2 extra

sts from the floats you have between the thumb and main body to avoid holes.

Work in the round for at least 18 rnds (this depends on length of your thumb of course). In the last rnd p2tog and bind off the remaining 6 stitches. Use a crochet hook or tapestry needle to finish the thumb. Weave in the ends.

#### **EXTRA DECORATION**

Using a ca. 6 cm /2.5 in long strand of yarn and your crochet hook or a tapestry needle, make a few warps around the 3 sts in the middle of the pattern in Rnds 19 and 37. Make a knot on the wrong side and weave in the ends.

#### **RIGHT HAND MITTEN**

Follow the carts for the right hand mitten provided.

#### **BLOCKING**

Weave in all the remaining ends. Soak the mittens in lukewarm water. Gently squeeze and then roll in a towel to remove most of the water. Pin out to measurements or desired size/ shape if necessary and leave flat to dry.

#### **SHARING AND FEEDBACK**

If you feel like sharing pictures or your thought about the design, please do so in your projects on Ravelry and/or tag @nutsknitwear and #anaphasemittens on Instagram.

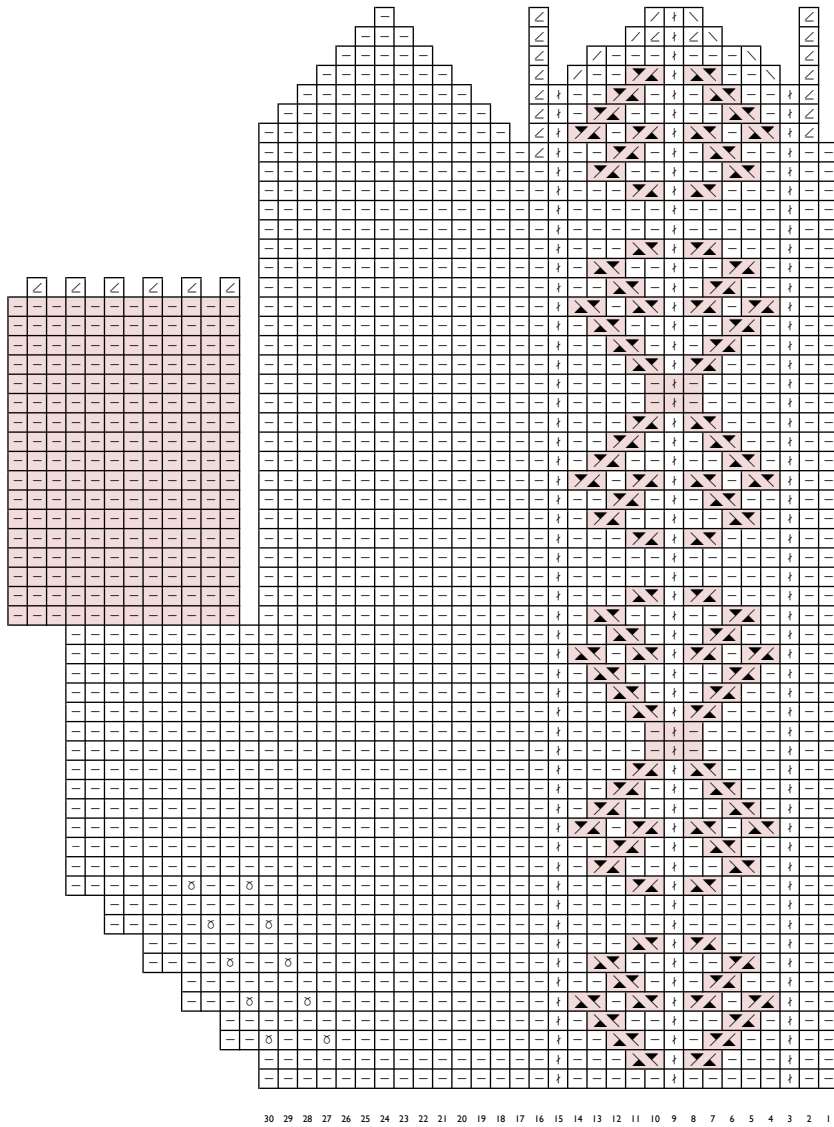
I would be thrilled to see your projects!

If you have questions or found a mistake, please feel free to contact me via email, Ravelry or Instagram messages. I will do my best to help. Please, be respectful and kind, remember, nobody is perfect.

If you wish to stay in touch and see what I'm up to, follow me on [Instagram](#) and maybe sign up to my monthly [newsletter](#) and test knit call mailing list.

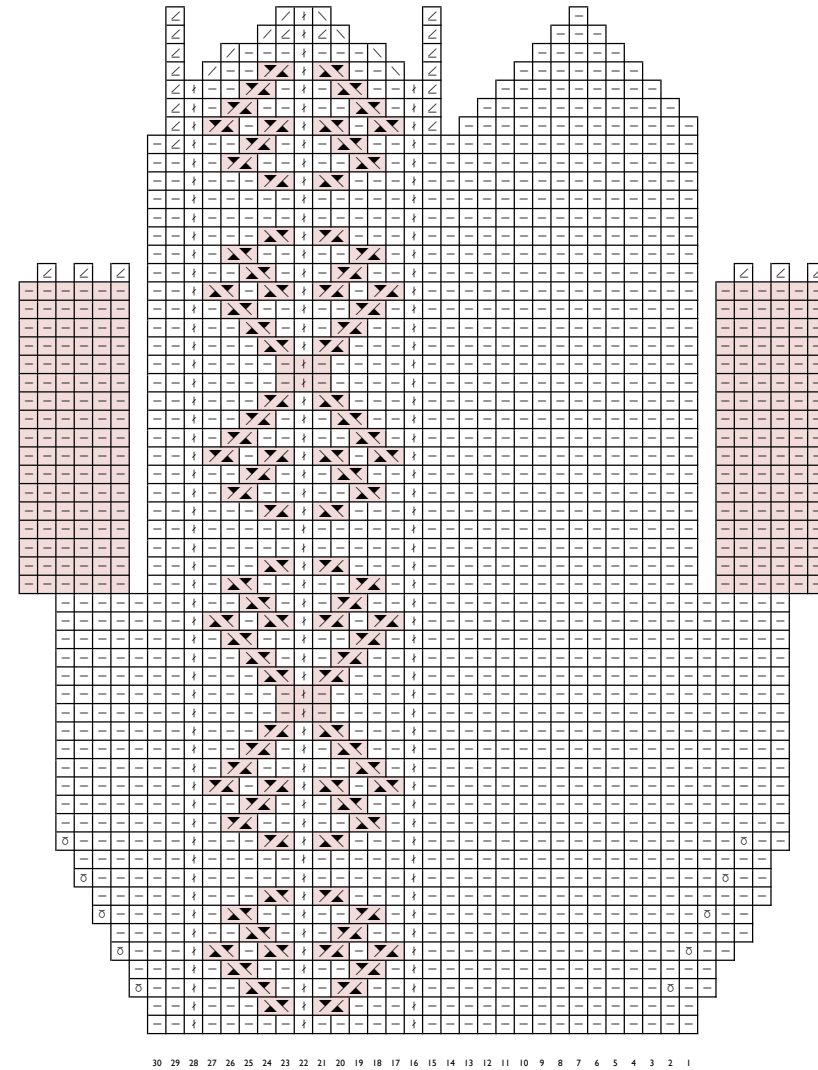
Happy knitting and thank you for supporting my work.  
Warmly from Holland,  
Teti

# SIZE SMALL



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|  | ktbl |  | p2tog |  | I-I LPC |
|  | purl |  | k2tog |  | I-I RPC |
|  | m1L  |  | ssk   |  |         |

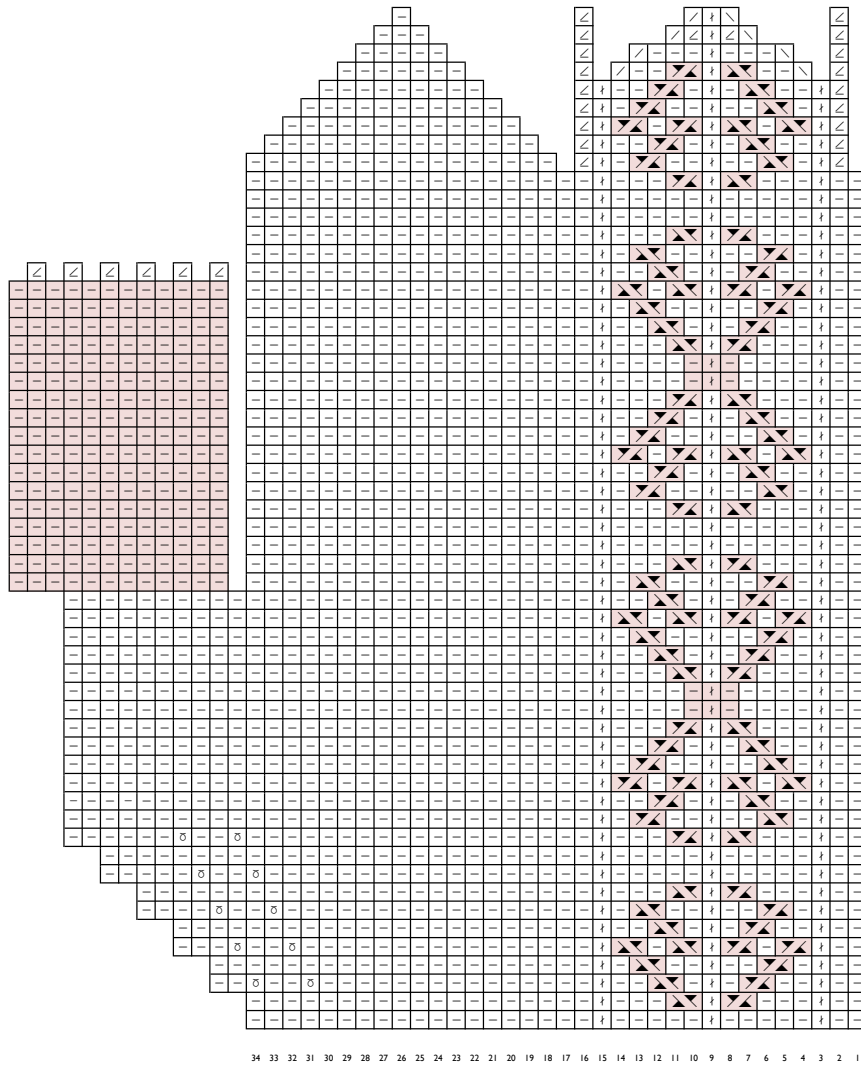
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|  | ktbl |  | p2tog |  | I-I LPC |
|  | purl |  | k2tog |  | I-I RPC |
|  | m1L  |  | ssk   |  |         |

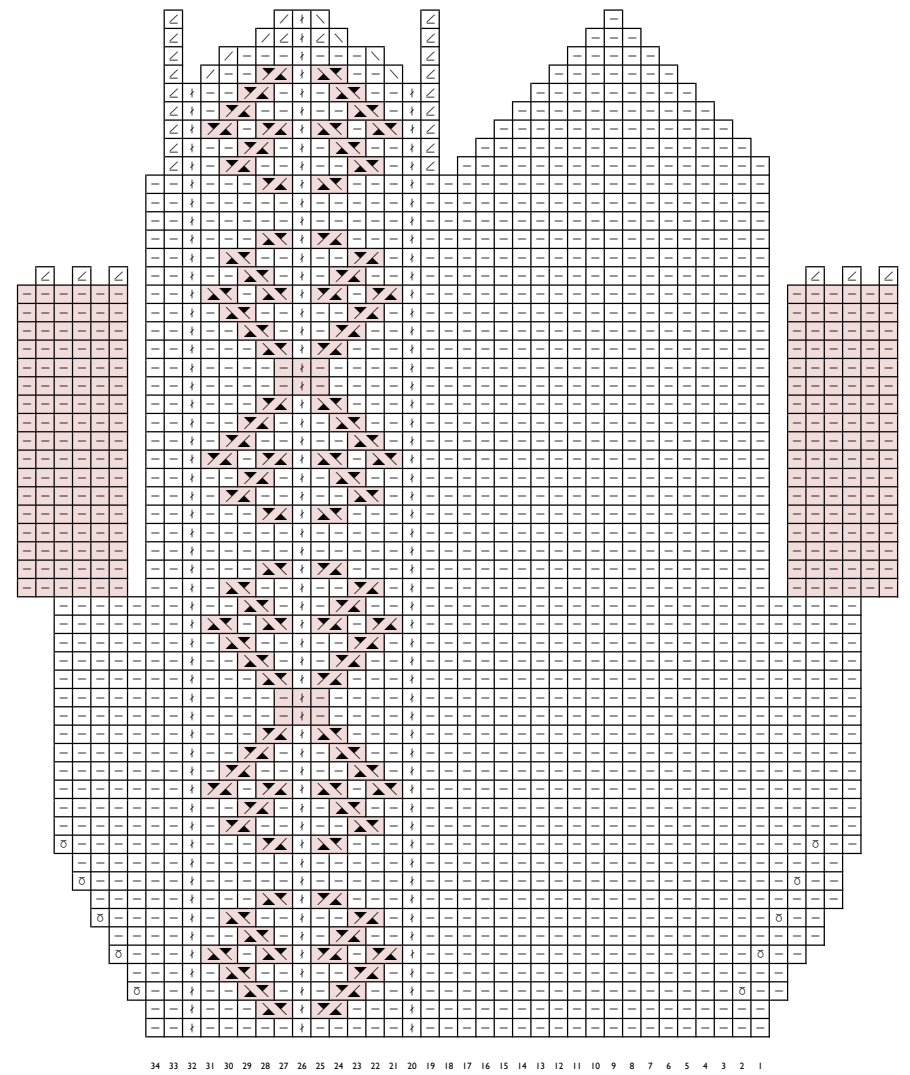
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# SIZE MEDIUM



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| ktbl | p2tog | I-I LPC |
| pur1 | k2tog | I-I RPC |
| m1L  | ssk   |         |

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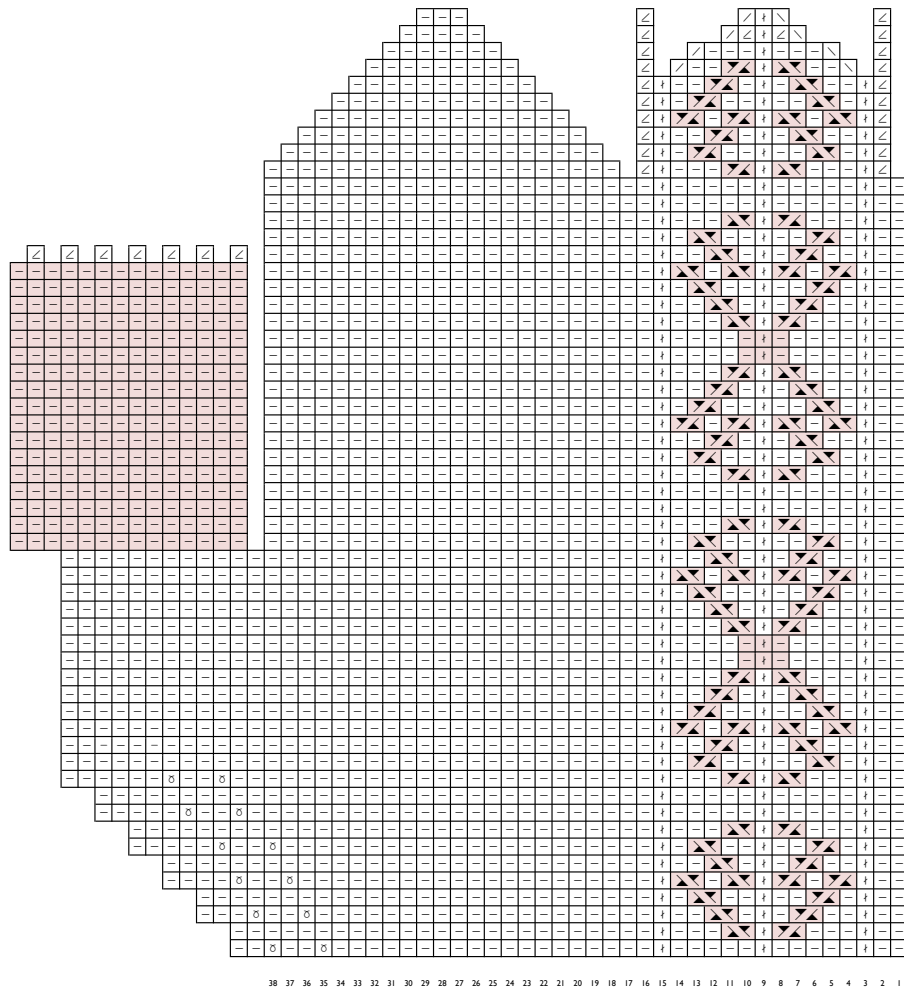


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| ktbl | p2tog | I-I LPC |
| pur1 | k2tog | I-I RPC |
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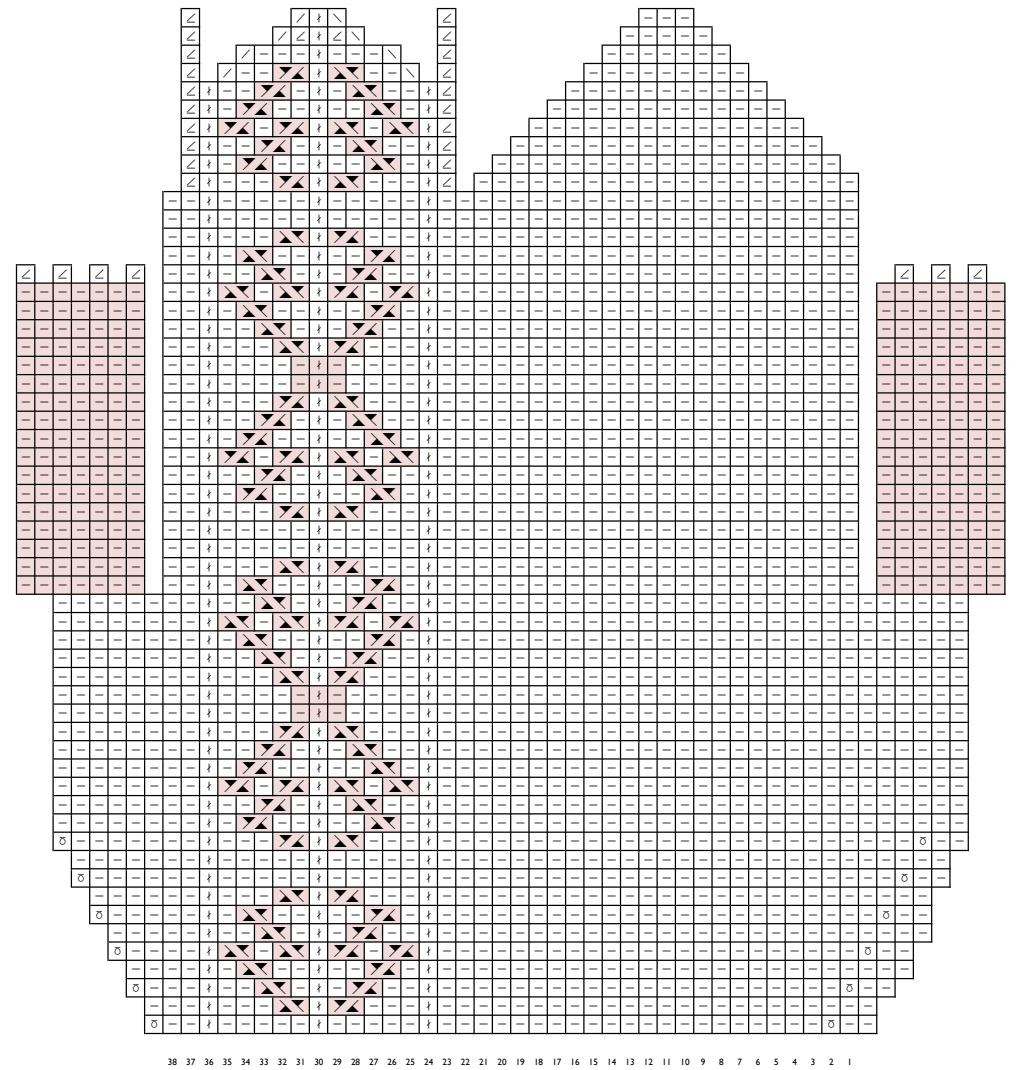


# SIZE LARGE



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| ktbl | p2tog | I-I LPC |
| purl | k2tog | I-I RPC |
| m1L  | ssk   |         |

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|------|-------|---------|
| ktbl | p2tog | I-I LPC |
| purl | k2tog | I-I RPC |
| m1L  | ssk   |         |