

Programming8 with yarn

FFConf 2022

Lily Madar



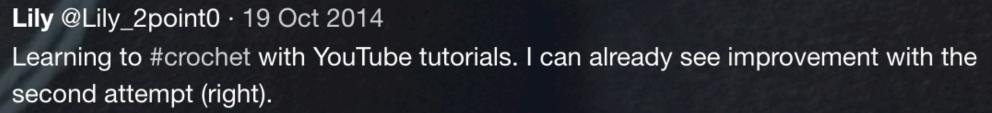




















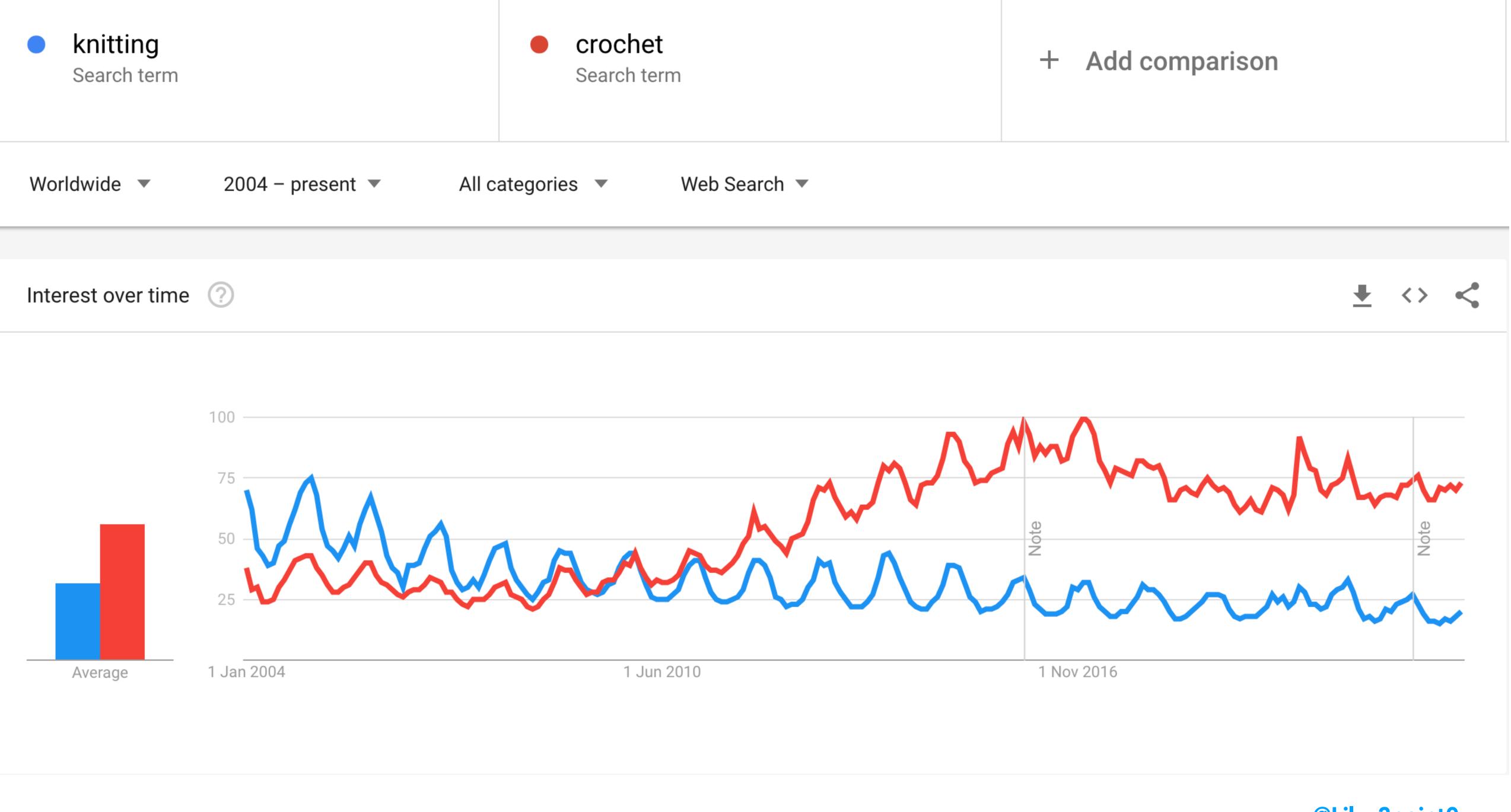




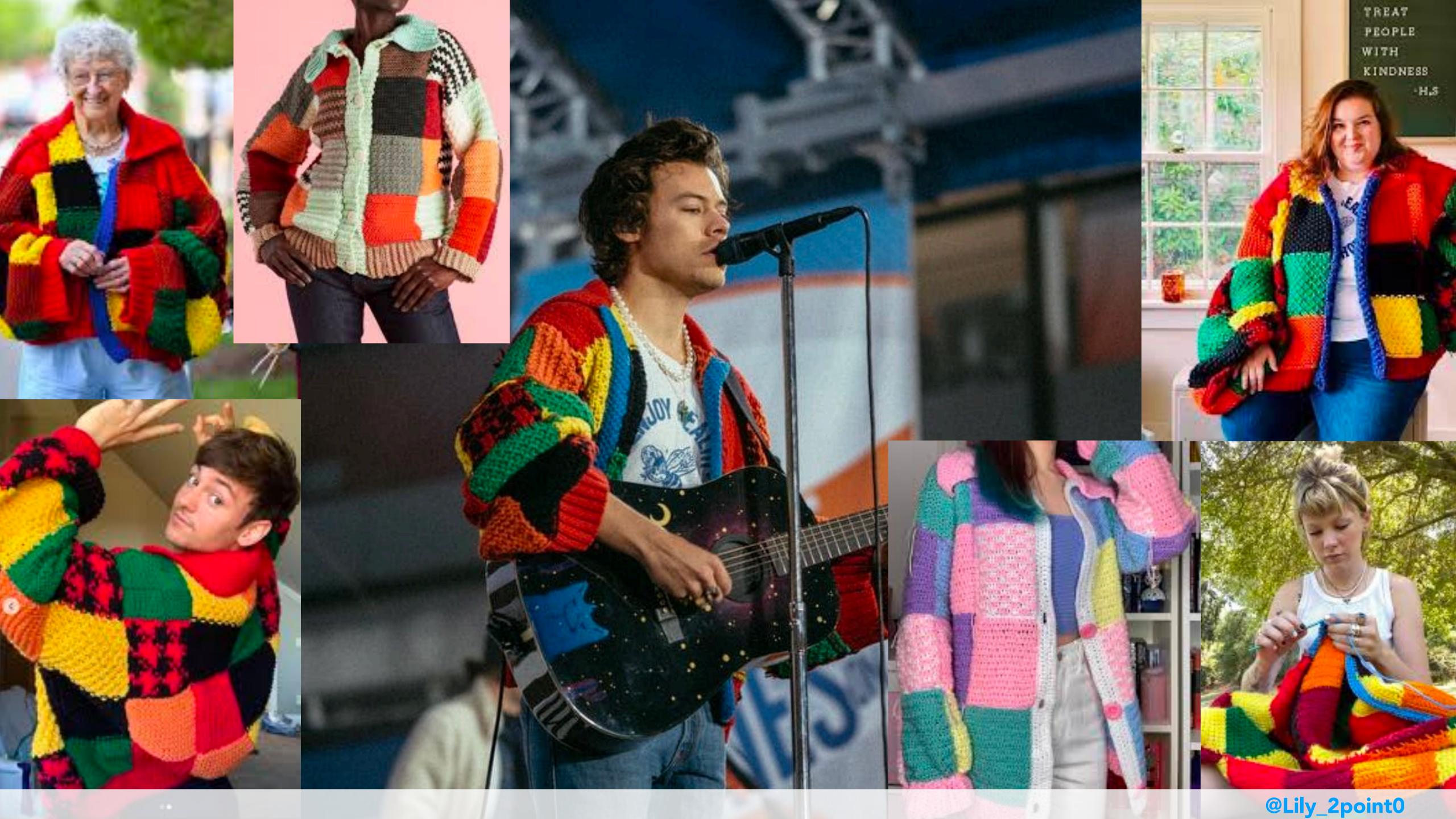














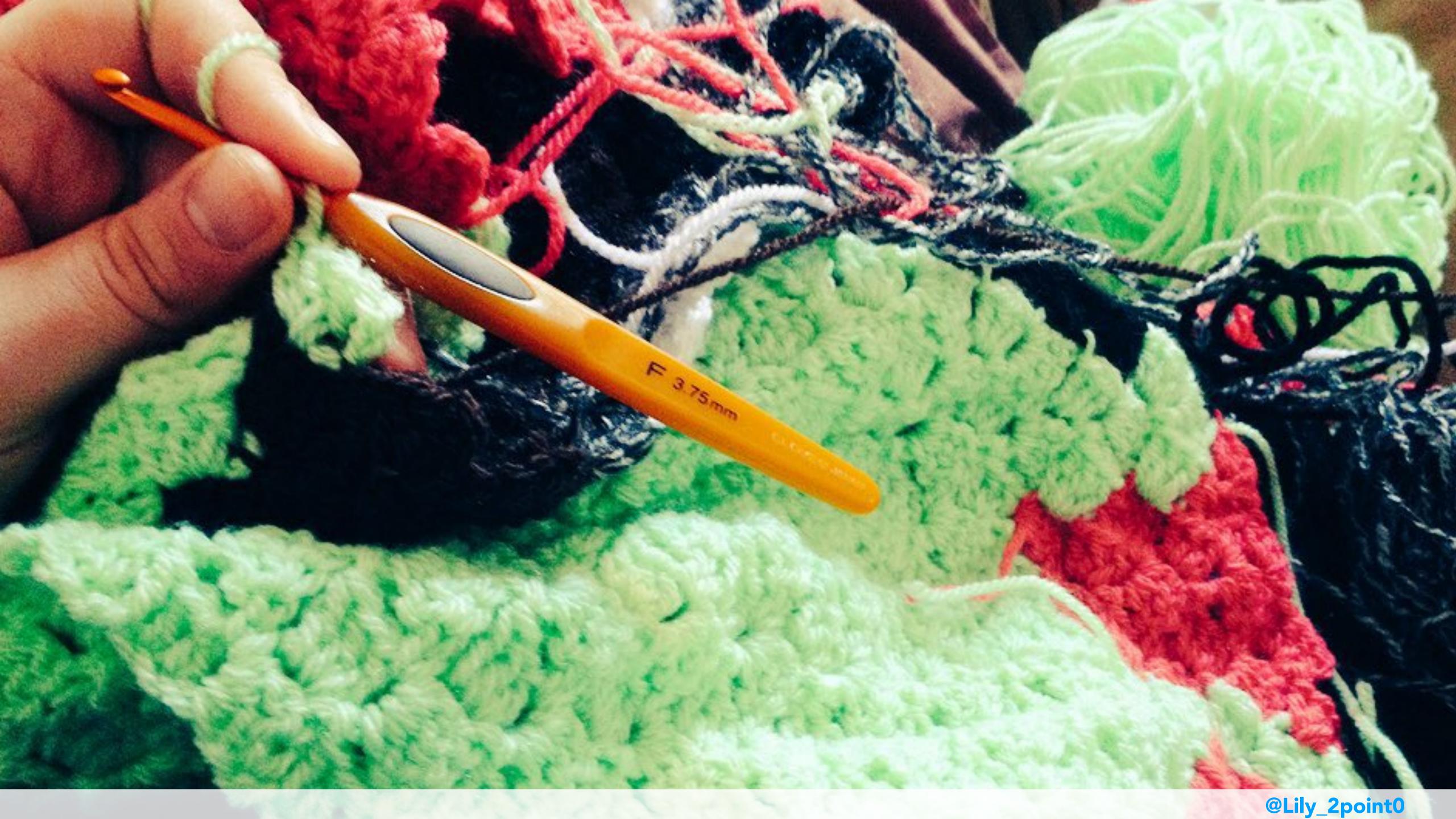
INDUSTRIES

stupio

Ladies and gentlemen, I'd like to present to you, The Internet!







A tangled history of crochet & computing



tech ===

Super-

science









"Something built or made"



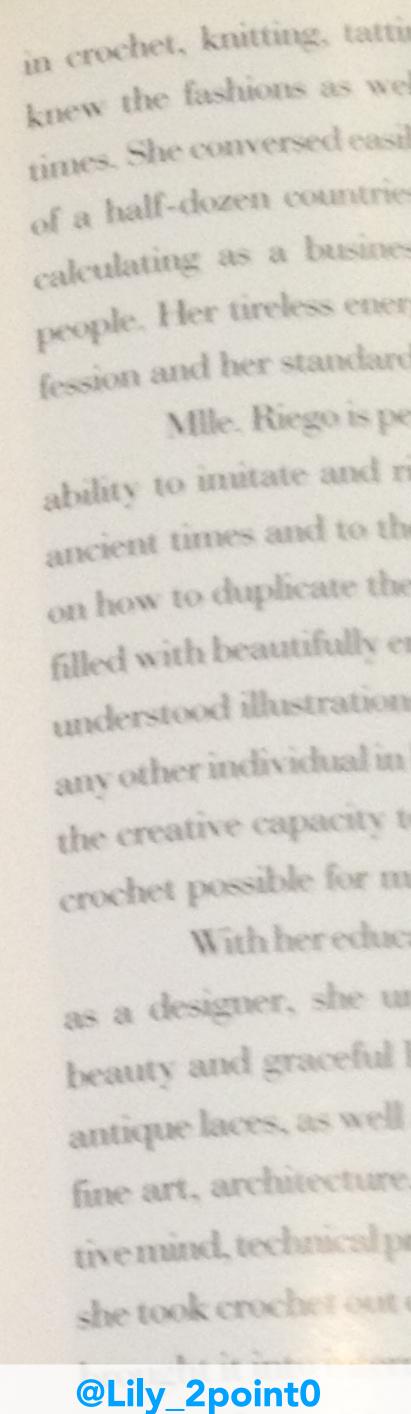




knew the fashions as we times. She conversed easil of a half-dozen countries calculating as a busines people. Her tireless ener fession and her standard

ancient times and to the on how to duplicate the filled with beautifully en understood illustration any other individual in the creative capacity t crochet possible for m

beauty and graceful l antique laces, as well fine art, architecture. tive mind, technical pa she took crochet out o



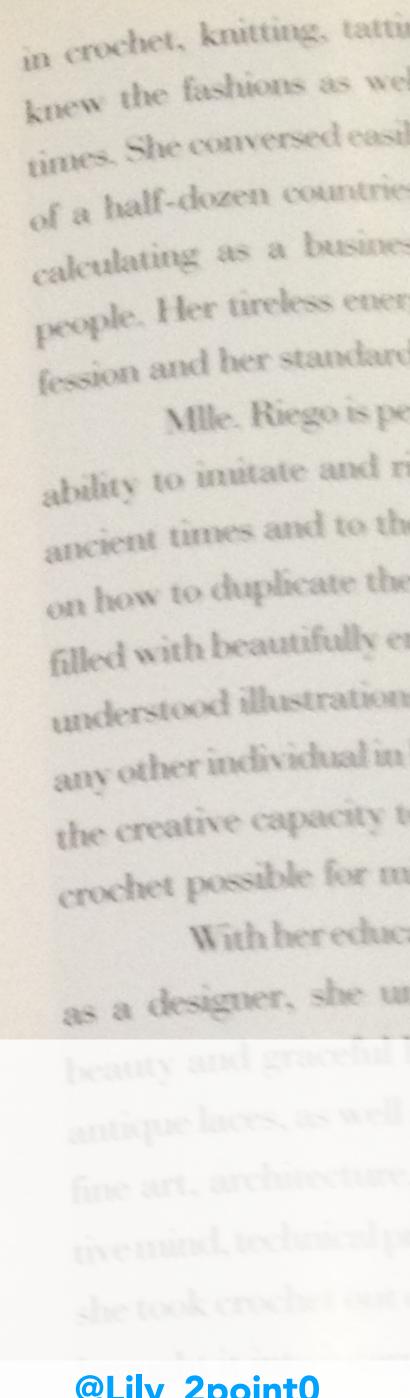


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@Lily_2point0

Mile Riego





🎃 💮 LizaARRGHHH Frank 💿 🎃 🐏 📃 💥 @lilithepunk

In Ireland, it's said that you leave a bit of your soul trapped in everything you crochet. So to avoid this, you should always work in a hidden mistake so that your soul can escape... #folklorethursday



5:55 pm · 31 May 2018 · Twitter Web Client



...



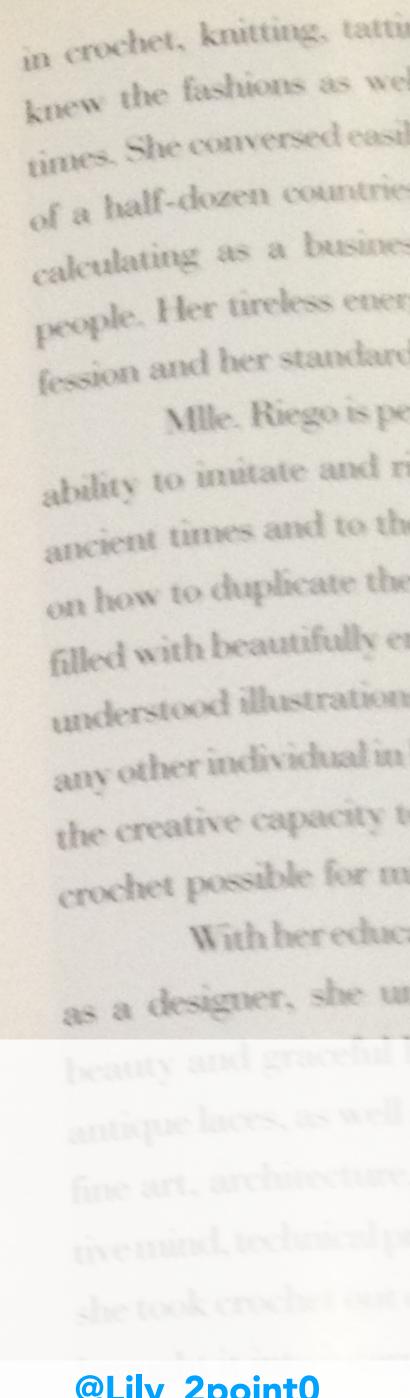


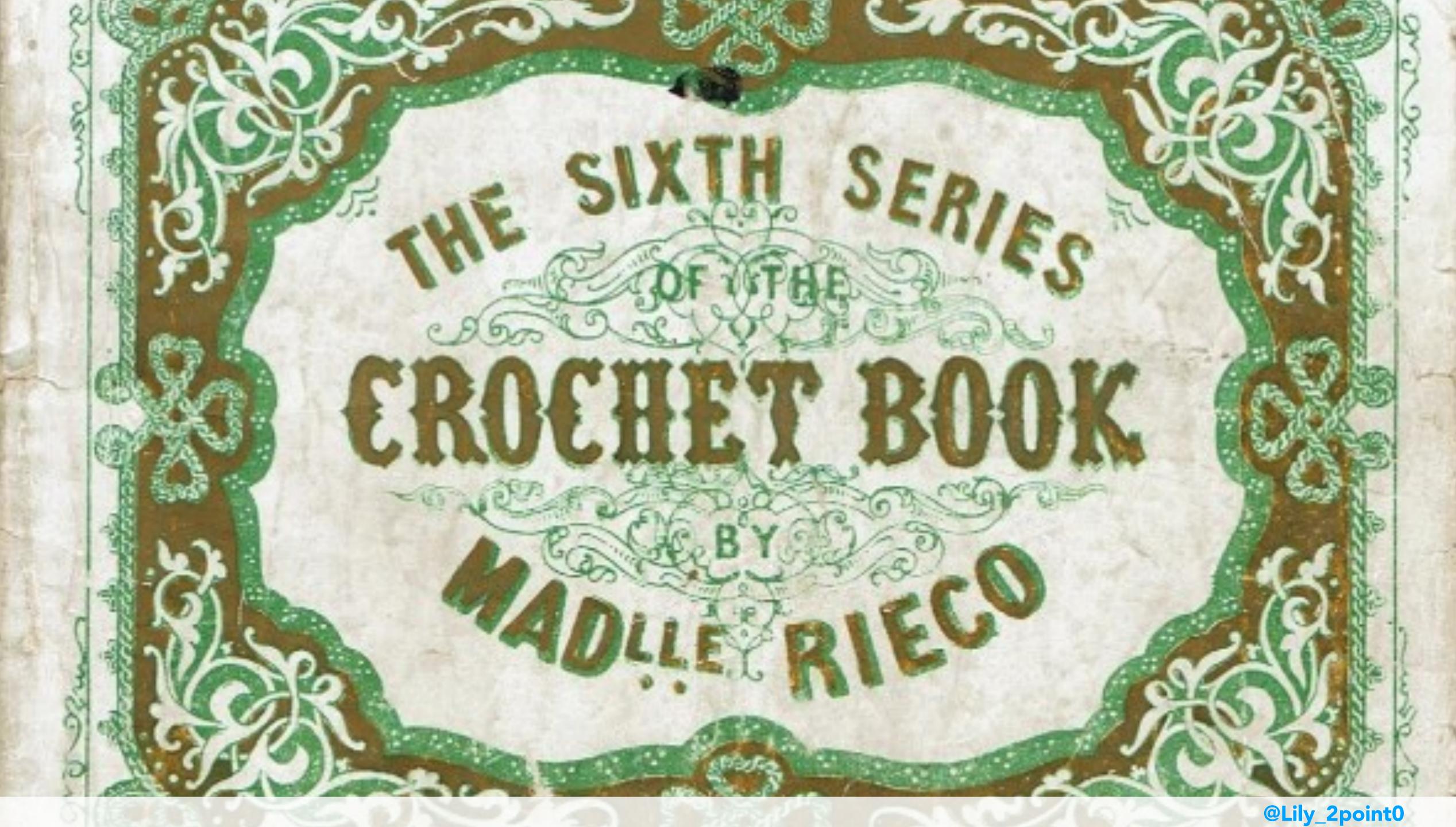
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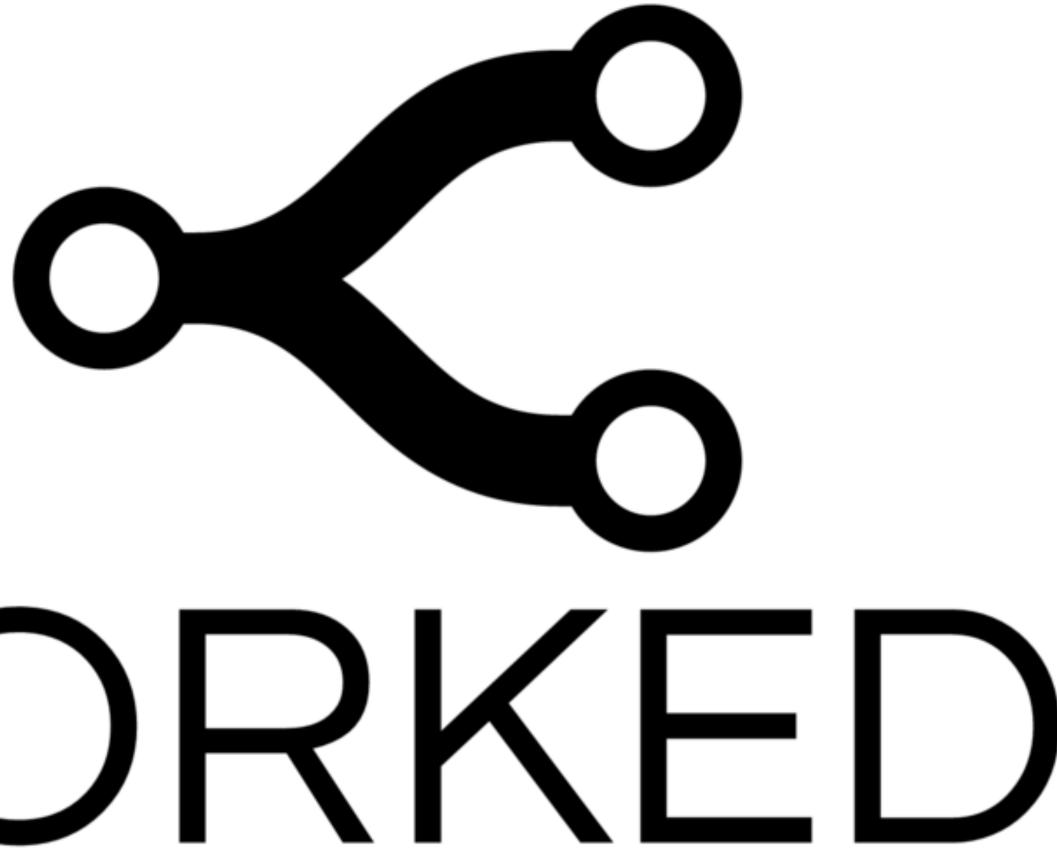
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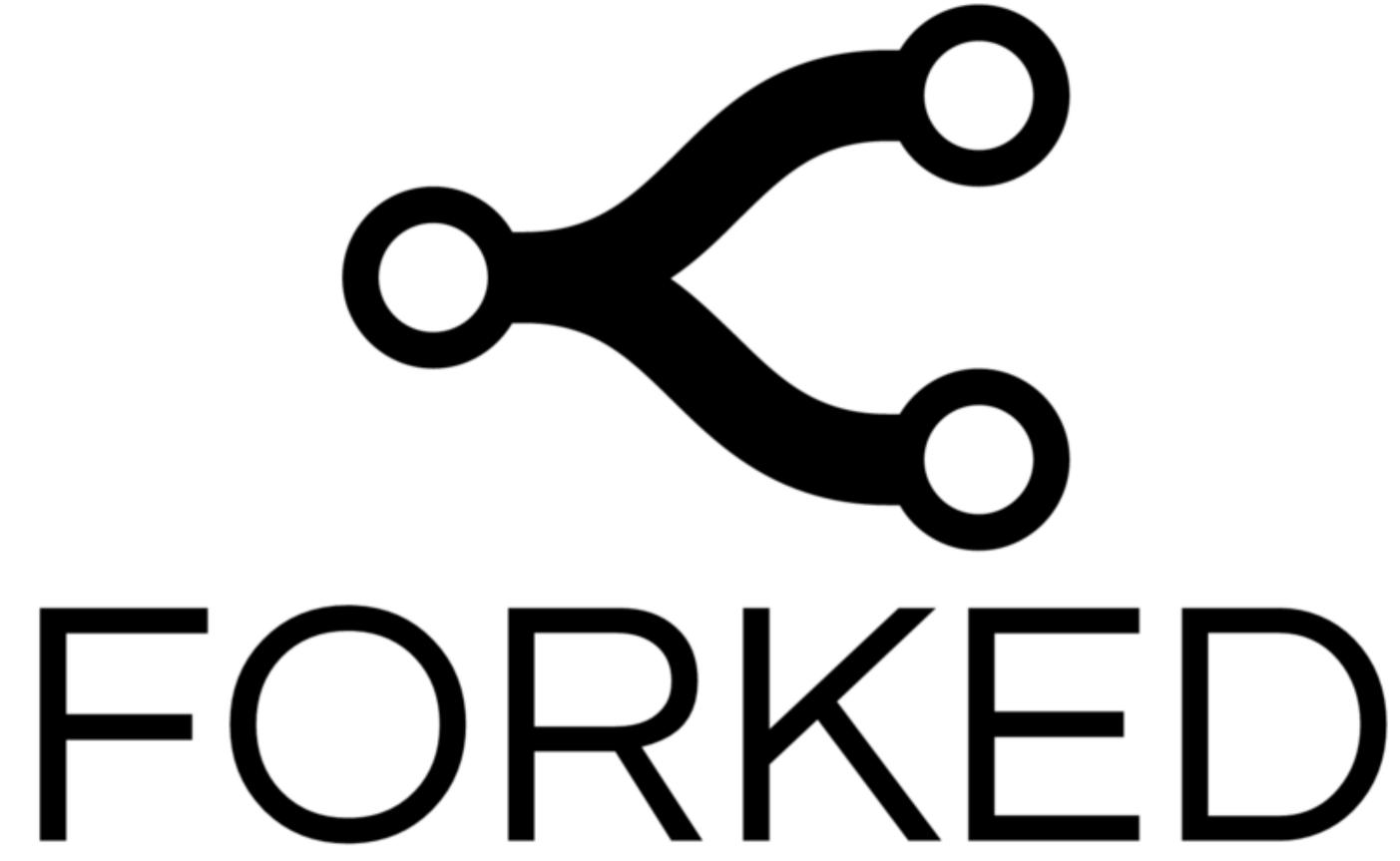
@Lily_2point0

Mile Riego









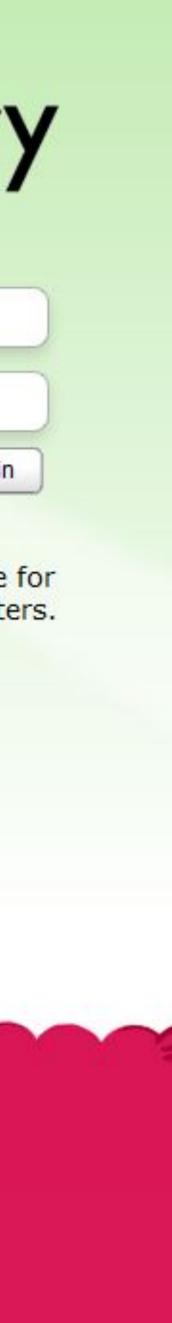




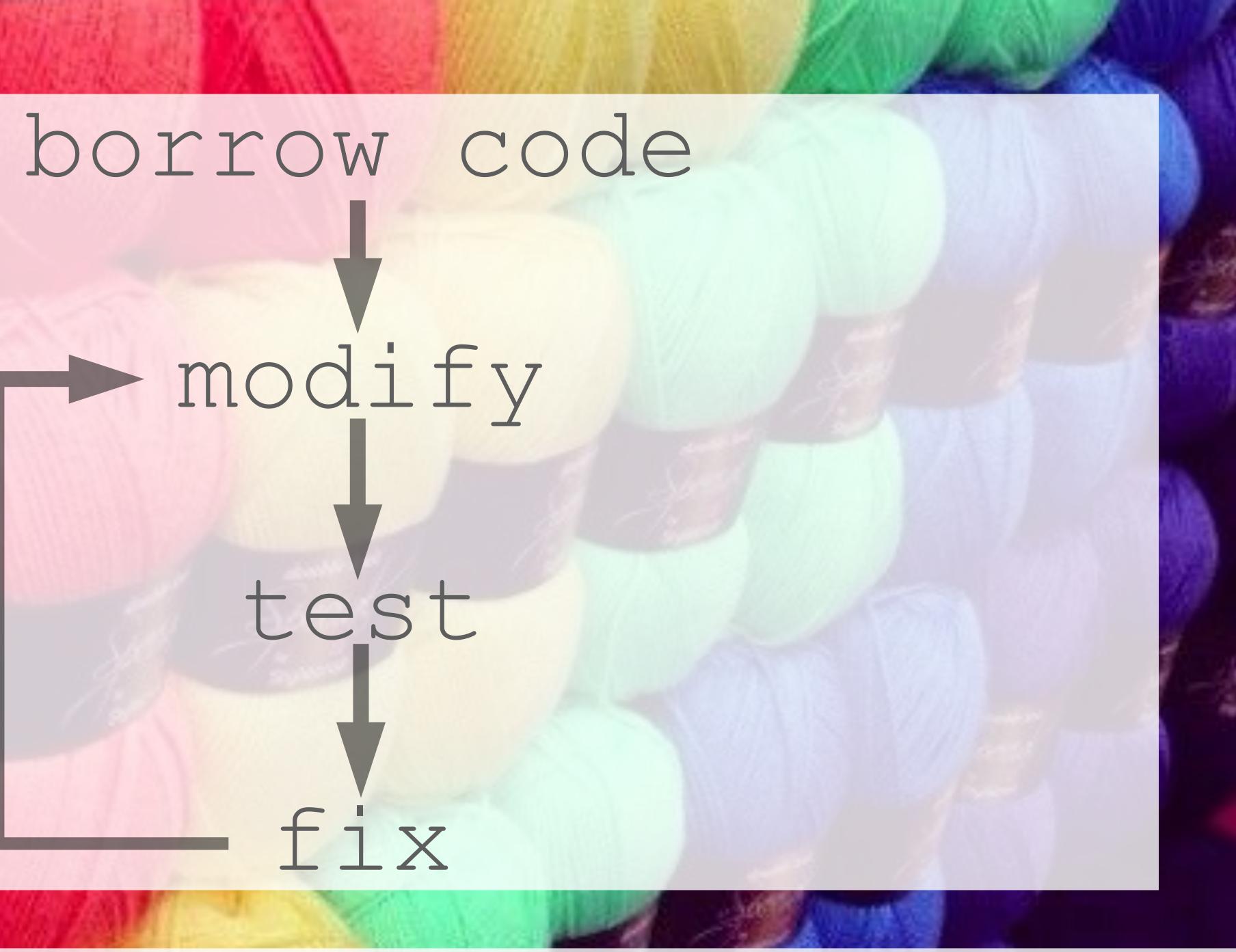


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| join now! | Ravelry is a fre | |

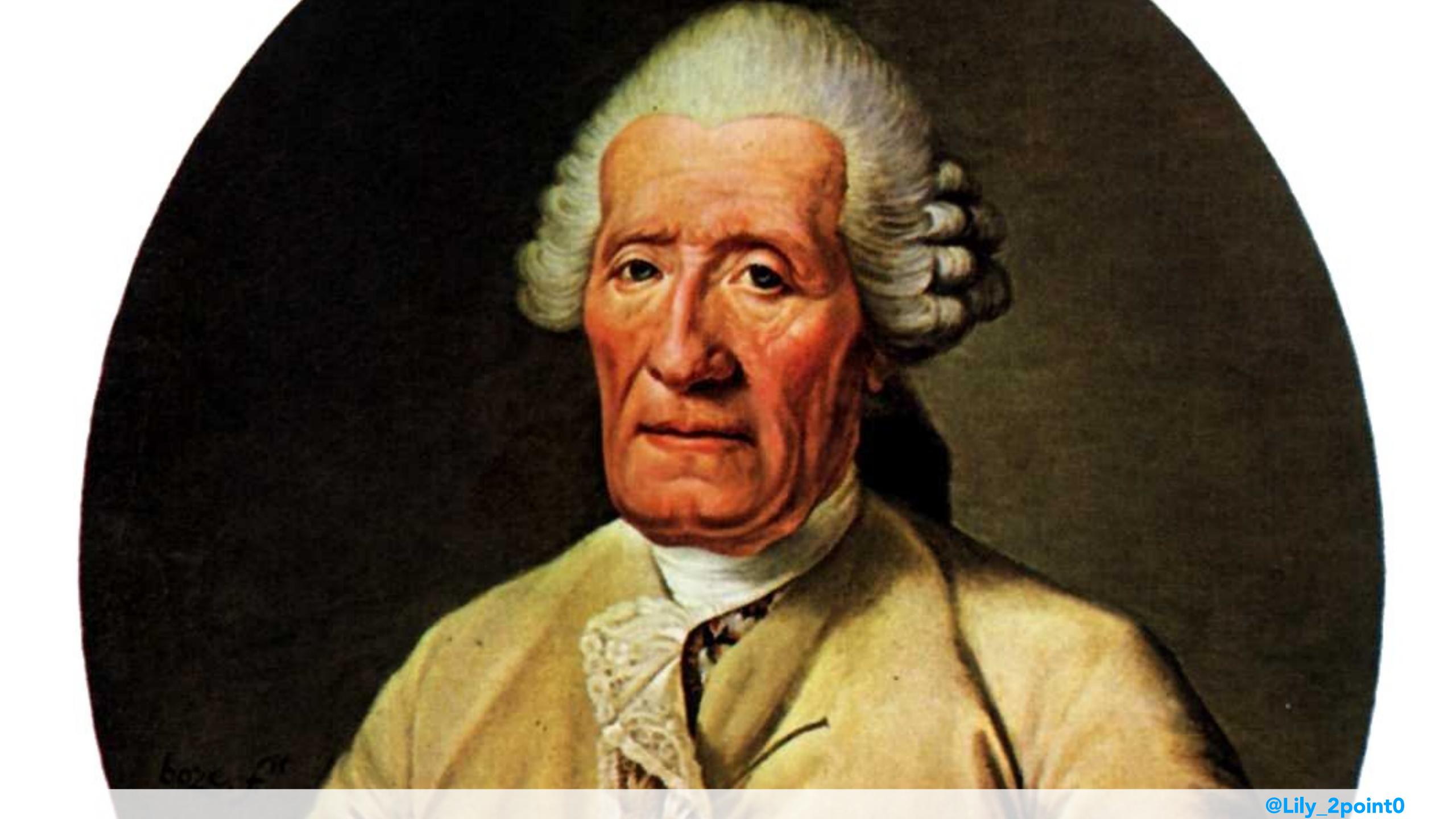














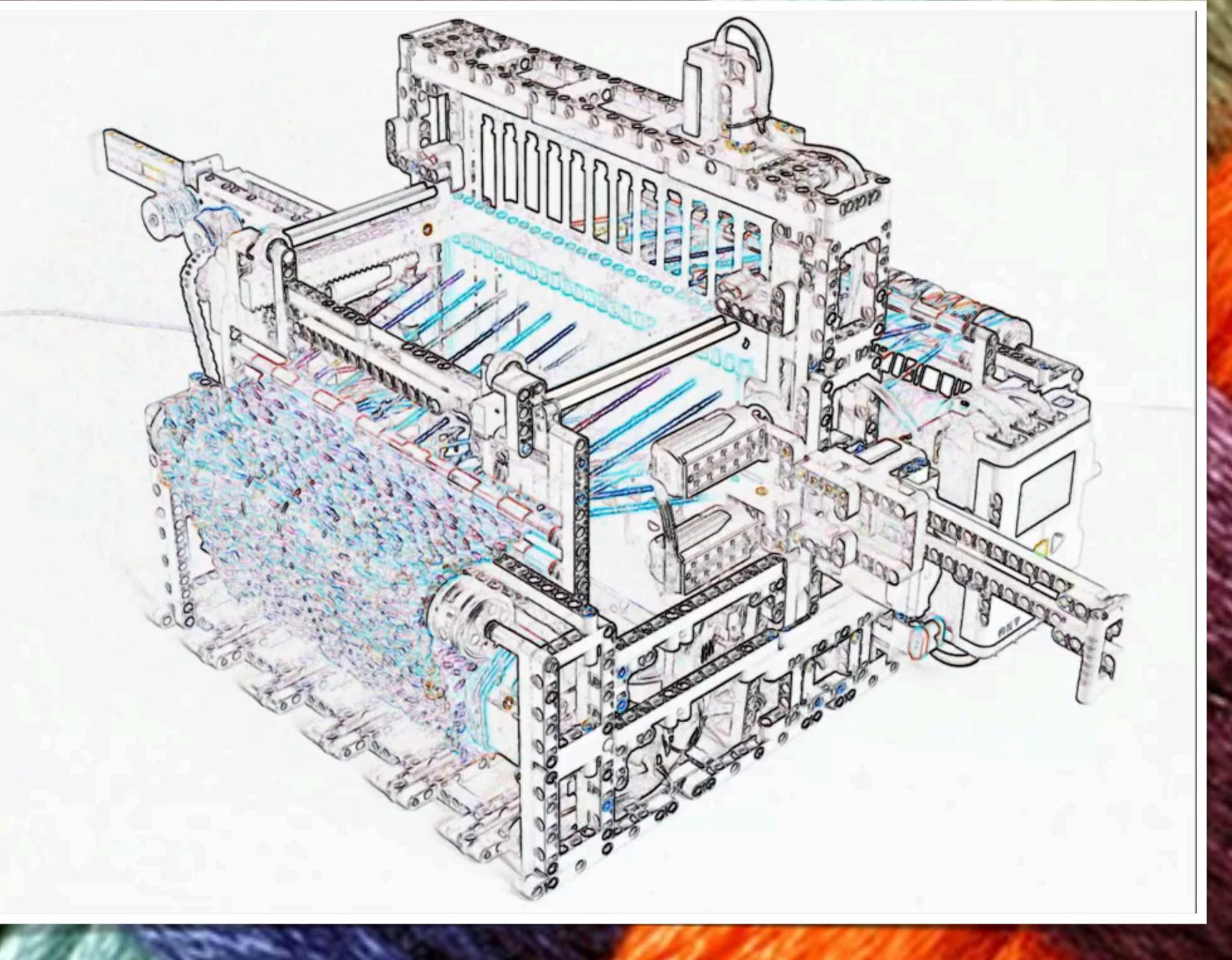




| @Lily_2point0 |
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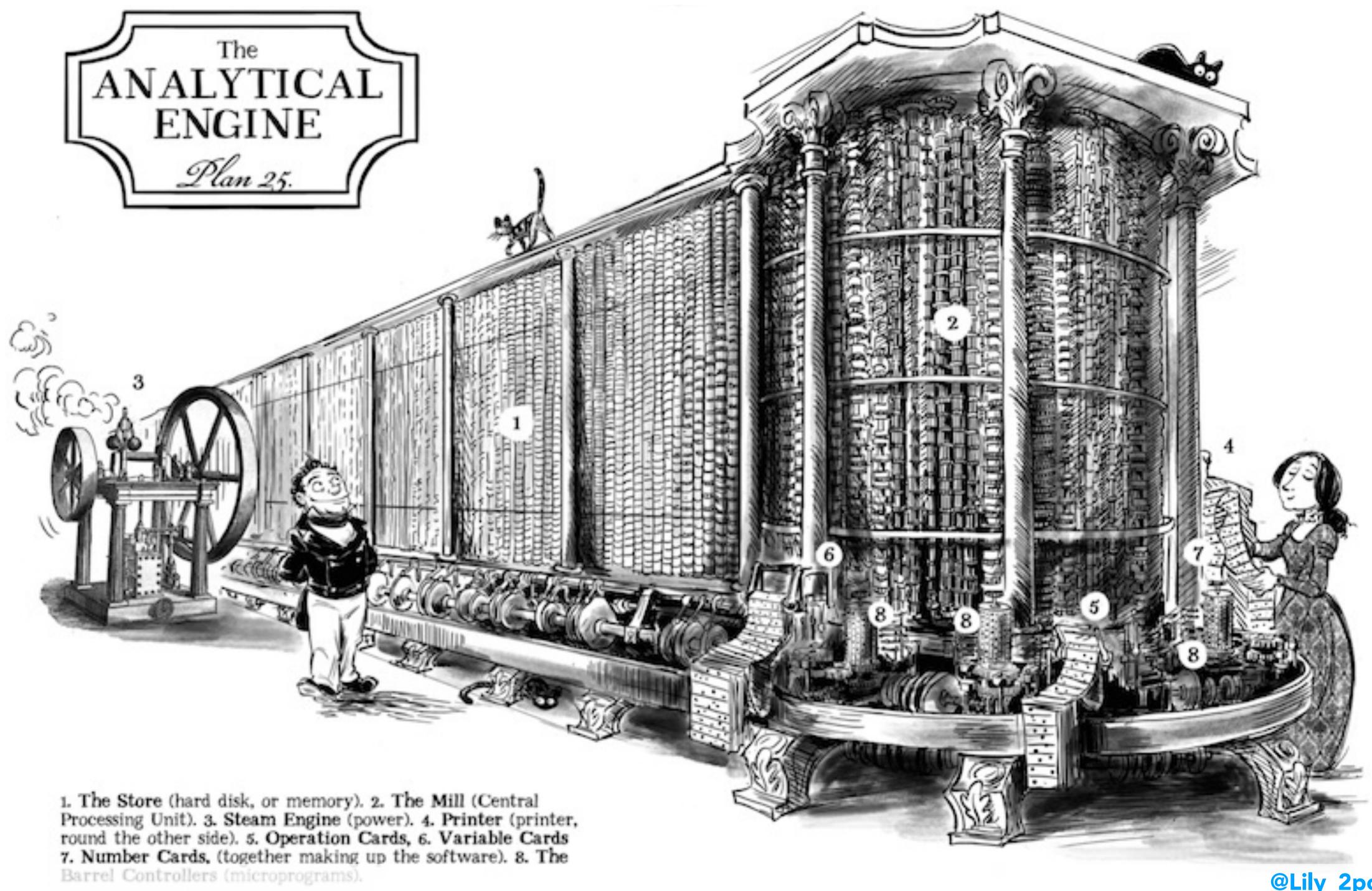
Ada Lovelace





"The Analytical Engine weaves algebraic patterns, just as the Jacquard loom weaves flowers and leaves."-Ada Lovelace









Ada Lovelace







The Practical Dev @ThePracticalDev

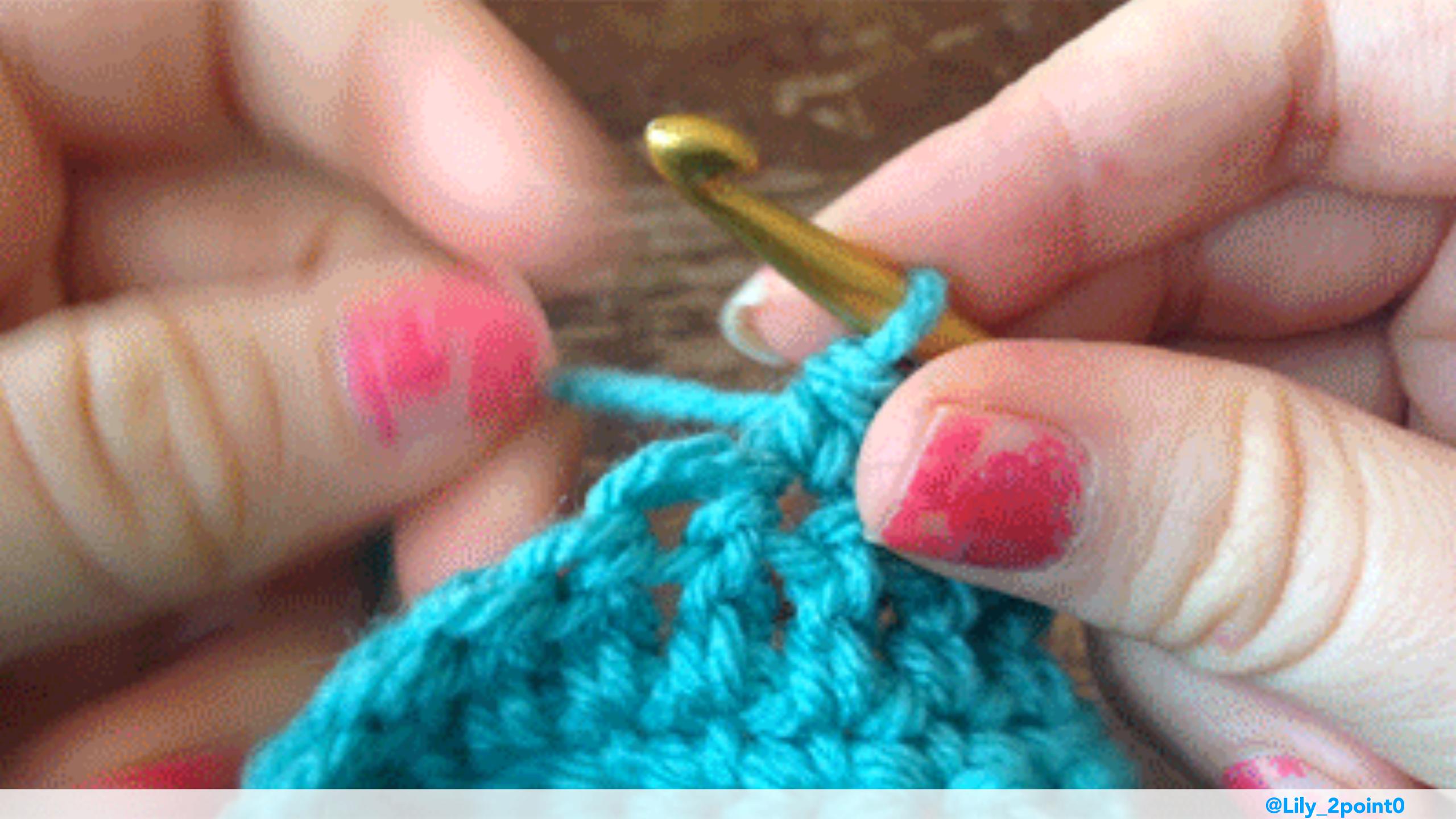
"Any fool can write code that a programmers write code that Fowler

26/02/2017, 19:49



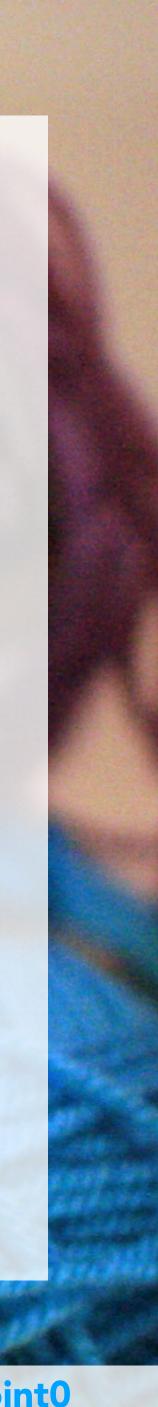
computer can understand. Good humans can understand." - Martin





"The programs and information used by a computer"





KnitCAD (modern) Electron, BBC, Master 40 track 5.25" DFS from KNITSOFT

(MODERN)

ORNE

<SHIFT> <BREAK> to start

KNITSOFT 51 Lindsey Road CLEETHORPES South Humberside DN35 8TN Tel (0472) 600647

> KnitCAD (modern) Electron, BBC, Master 40 track 5.25" DFS from KNITSOFT <SHIFT> <BREAK> to start

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for FIECTRON

Kodak Company -

talife.

for ACORN ELECTRON BBC "B", MASTER, BBC+

spectrum 48k

(TAP A TITIA)

CLASSIC PATTERN WRITER

1. Full knitting instructions in graphics and text.

PUNCH-CARD

© KNITSOFT

- 2. Standard sizes or own measurements.
- 3. All knitted structures.
- 4. Any yam.
- 5. All classic styles.
- 6. Full printout option.

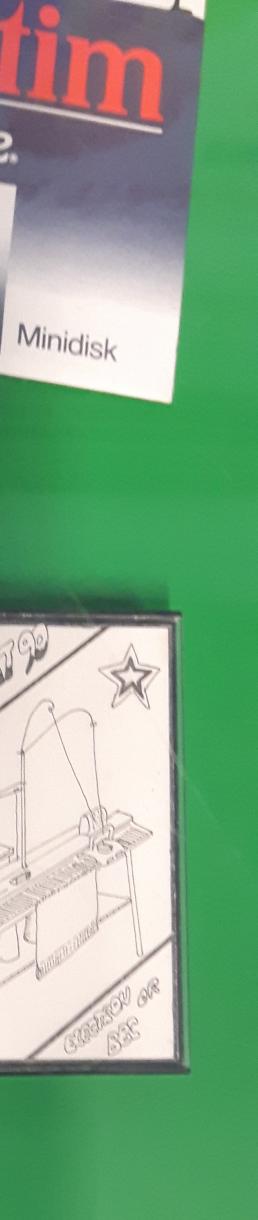
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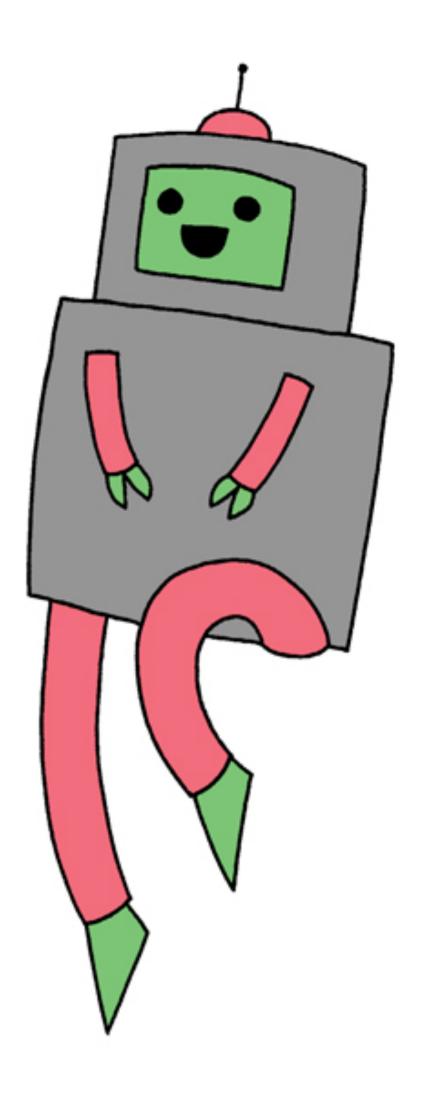
selection of knitting and sewing related progra

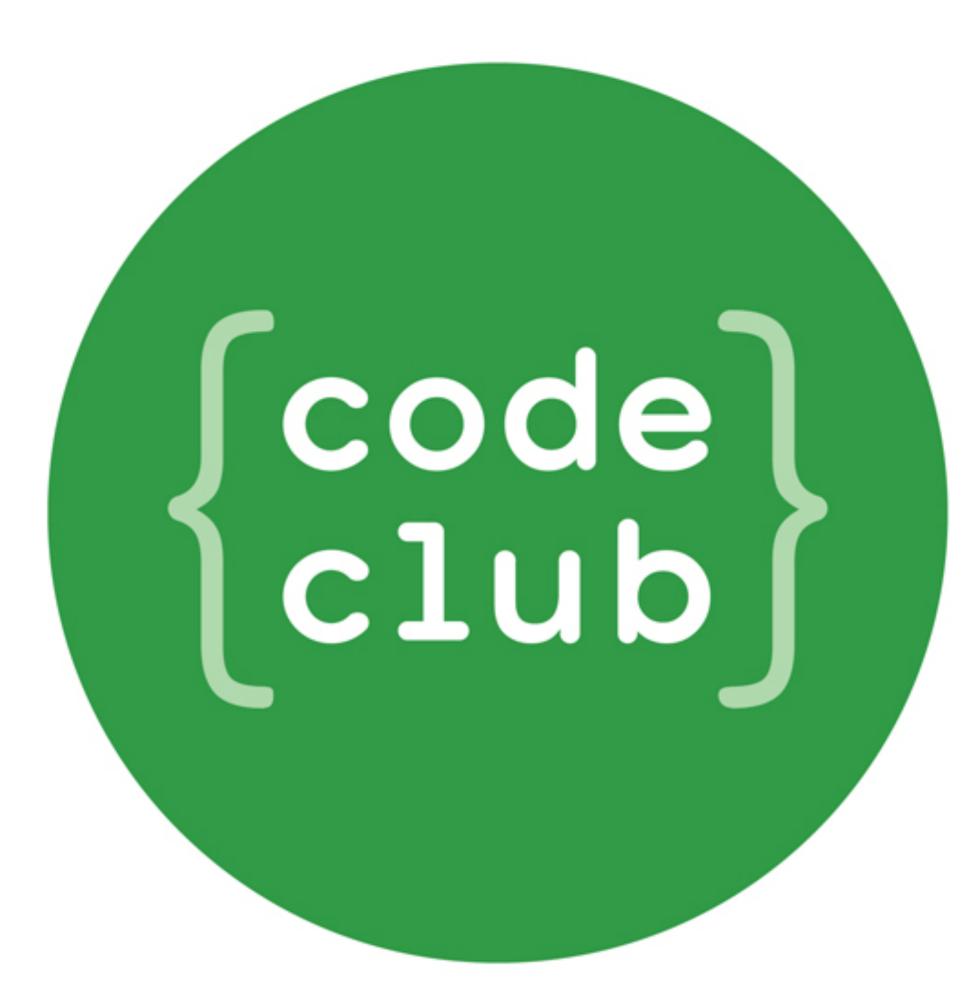
centre for computing





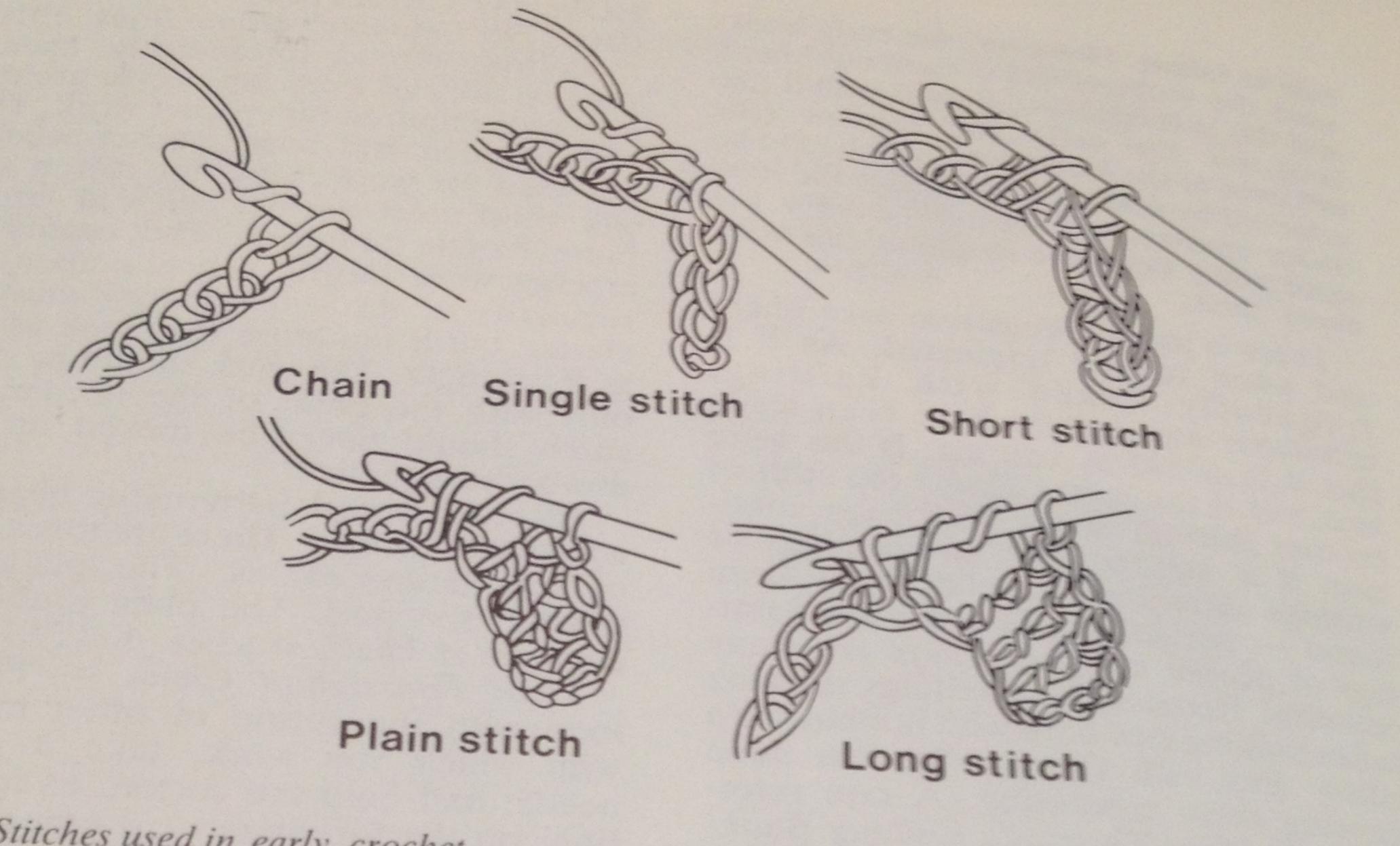












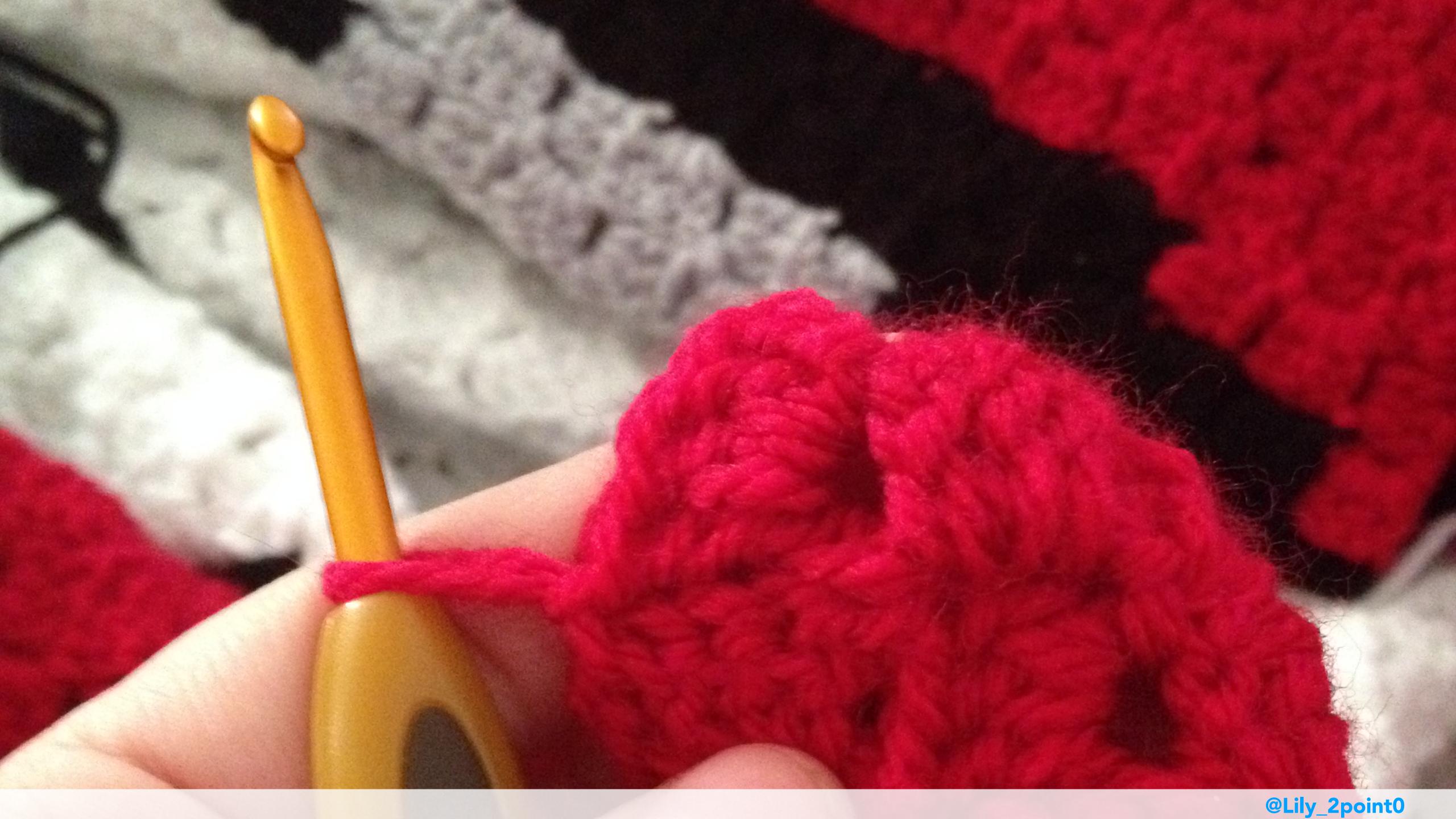
Stitches used in early crochet.



Let's get technical







Crochet abbreviations conversions

Use this handy table to convert UK crochet terms to US crochet terms, or vice versa.

| UK | | US | | |
|----------------|-----|----------------|-----|--|
| chain | ch | chain | ch | |
| slip stitch | SS | slip stitch | SS | |
| double crochet | dc | single crochet | SC | |
| half treble | htr | half double | hdc | |
| treble | tr | double | dc | |
| double treble | dtr | treble | tr | |
| triple treble | ttr | double treble | dtr | |





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| triple treble | ttr | double treble | dtr |





| • | slip stitch | slip stitch | ka |
|---|-------------|-------------|----|
| | | | |

chain chain



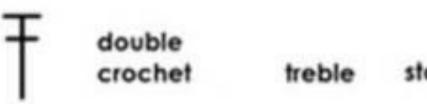
0

single crochet double crochet



half double crochet

half treble



Ŧ dobbelt double doppeltes Double-bride treble Stäbchen treble stangmaske

double ≢ treble triple treble crochet

600

picot

picot

3 stangmasker 3 Stäbchen Nope A double crochet treble 13 together **3together** sammen zusammen

| _ | | |
|---|---|--|
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| | | |
| | _ | |
| | | |

ædemaske Kettmasche Maille coulée

Maille chaine luftmaske Luftmasche

Maille serrée feste fastmaske Masche

halv halbes Demi-bride stangmaske Stäbchen

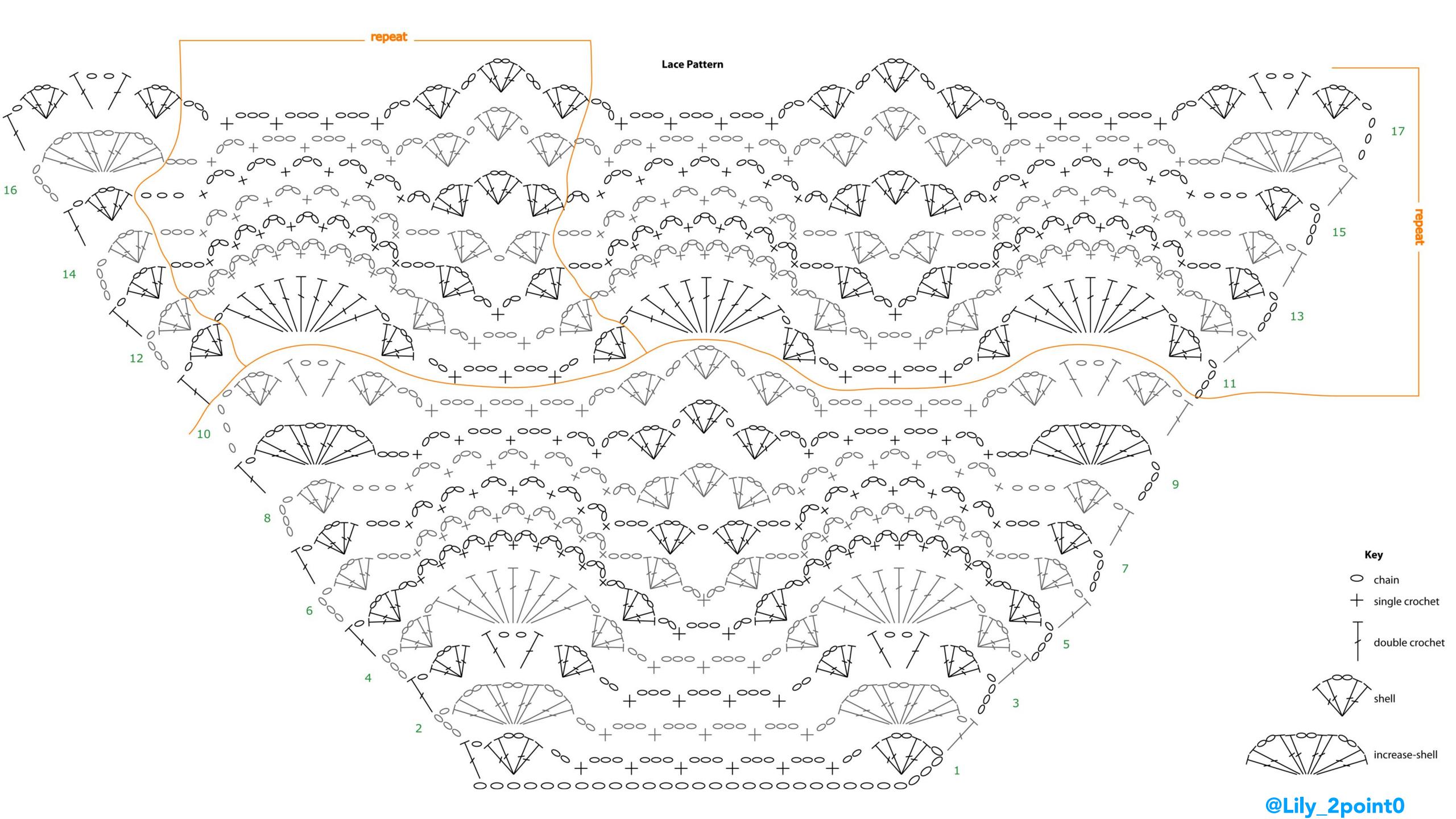
Bride stangmaske Stäbchen

Maille coulée tredobbelt dreifach stangmaske Stäbchen

Picot picot Picot









HOUNDSTOOTH BRIGHT HAT | CROCHET



MATERIALS

| Caron [®] Simply Soft [®] (6 oz/170.1 g; 3 | 15 yds/288 | m) | | |
|--|------------|-------|-----|------|
| Size | 6-10 yrs | Woman | Man | |
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Yarnspirations.com

Say goodbye to crocheter's block

INTERMEDIATE SIZES To fit child **6-10 yrs** (Woman-Man).

GAUGE 13 sc and 14 rows = 4"[10 cm].

INSTRUCTIONS

The instructions are written for smallest size. If changes are necessary for larger size(s) the instructions will be written thus ().

Note: To change colors, work to last loops on hook, yoh with new color through rem loops and proceed.

Ribbing: With smaller hook and A, ch 10. **1st row:** (RS). 1 sc in 2nd ch from hook. 1 sc in each of next 8 ch. Turn. 9 sc. **2nd row:** Ch 1. Working in back loops only, 1 sc in each sc to end of row. Turn. Rep last row until work from beg (when slightly stretched) measures 18 (19-20)" [**45.5** (**48-51**) cm], ending on a WS row. **Do not** fasten off.

Join last row and first row tog with 1 row of sc to form tube.

Work 62 (68 -74) sc evenly around. Join with sl st to first sc. Place marker on last st. Turn.

Change to larger hook. **Note:** Houndstooth Pat is worked in rnds. Turn at end of each rnd to keep pat correct.

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1st rnd: (WS). Ch 1. 1 sc in first sc. *1 dc in next sc. 1 sc in next sc. Rep from * to last sc. 1 dc in last sc. Join B with sl st to first sc. Turn.

2nd rnd: (RS). With B, ch 1. 1 sc in first dc. *1 dc in next sc. 1 sc in next dc. Rep from * to last sc. 1 dc in last sc. Join A with sl st to first sc. Turn.

3rd rnd: (WS). With A, ch 1. 1 sc in first dc. *1 dc in next sc. 1 sc in next dc. Rep from * to last sc. 1 dc in last sc. Join A with sl st to first sc. Turn.

Rep 2nd and 3rd rnds for Houndstooth Pat until work from marker measures approx **3** (**3**-**4**)" [**7.5** (**7.5**-10) cm], ending on a WS rnd and joining C at end of rnd. Break A and B.

1st rnd: With C, ch 2 (does **not** count as hdc here and throughout). 1 hdc in each of next **5** (**3**-**1**) st(s). *Hdc2tog. 1 hdc in each of next **5** (6-7) sts. Rep from * to last st. 1 hdc in last st. Join with sl st to first hdc. 54 (60-66) sts.

2nd to 4th rnds: Ch 2. 1 hdc in each hdc around. Join with sl st to first hdc. **5th rnd:** Ch 2. 1 hdc in next **2** (2-5) sts. *Hdc2tog. 1 hdc in each of next

4 (**3**-**9**) sts. Rep from * to last **4** (**3**-**6**) sts. Hdc2tog. 1 hdc in each of last 2 (1-4) st(s). Join with sl st to first hdc. 45 (48-60) sts. 6th rnd: Ch 2. *1 hdc in each of next **3** (2-4) sts. Hdc2tog. Rep from * around. Join with sl st to first hdc. 36 (36-50) sts. 7th rnd: Ch 2. *1 hdc in each of next 1 (1-3) st(s). Hdc2tog. Rep from * around. Join with sl st to first hdc. 24 (24-40) sts.



async function pattern() {

let yarn = await chain({colour: red}, 10);
yarn = await hdc(yarn, 5);

for (let i = 0; i < 8; ++i) {
 yarn = await hdc2tog(yarn, 1);
 yarn = await hdc(yarn, 5);
}</pre>

return yarn;







Live demo!





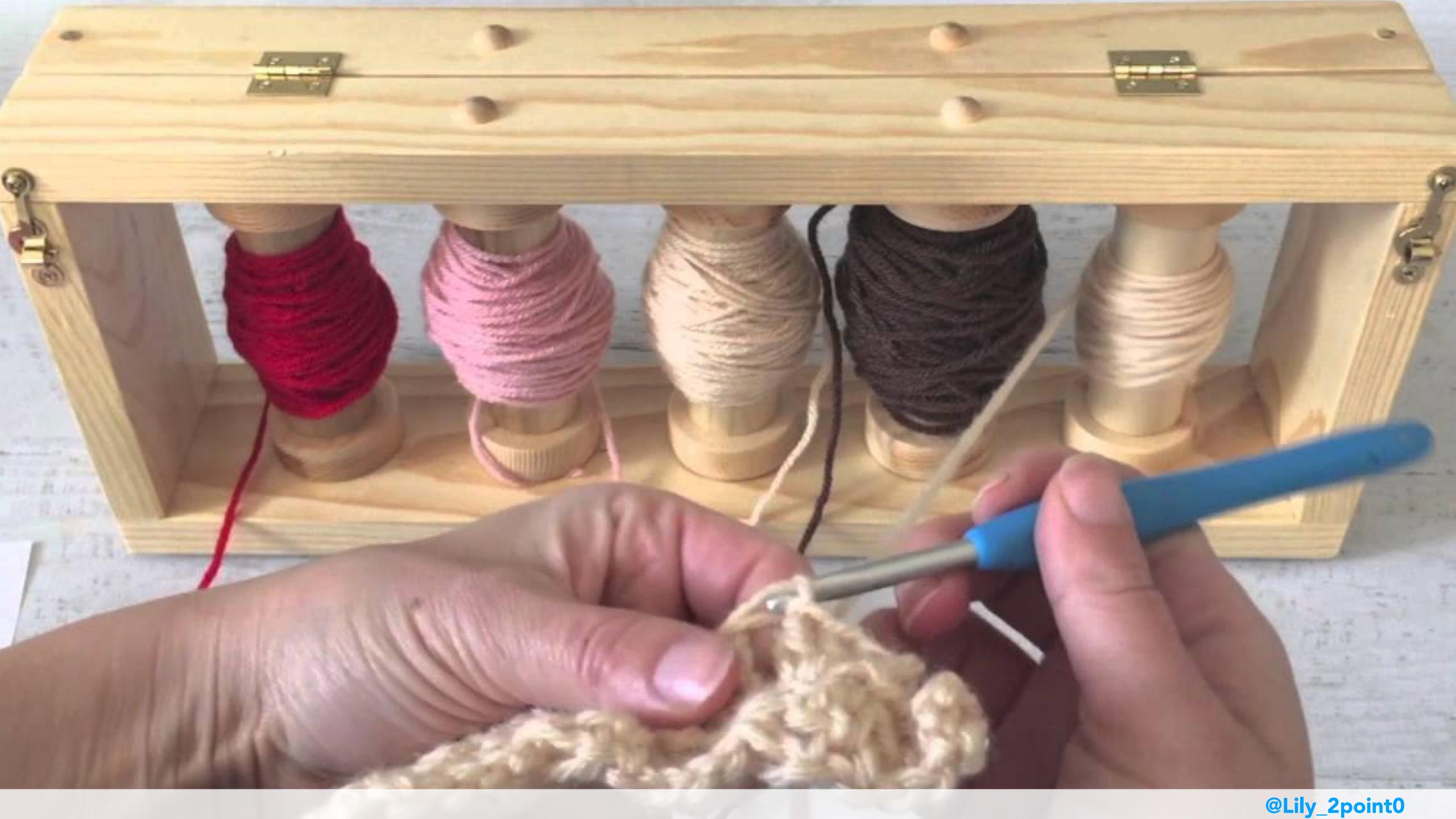
Prompt: A human computer crocheting





Dall-e

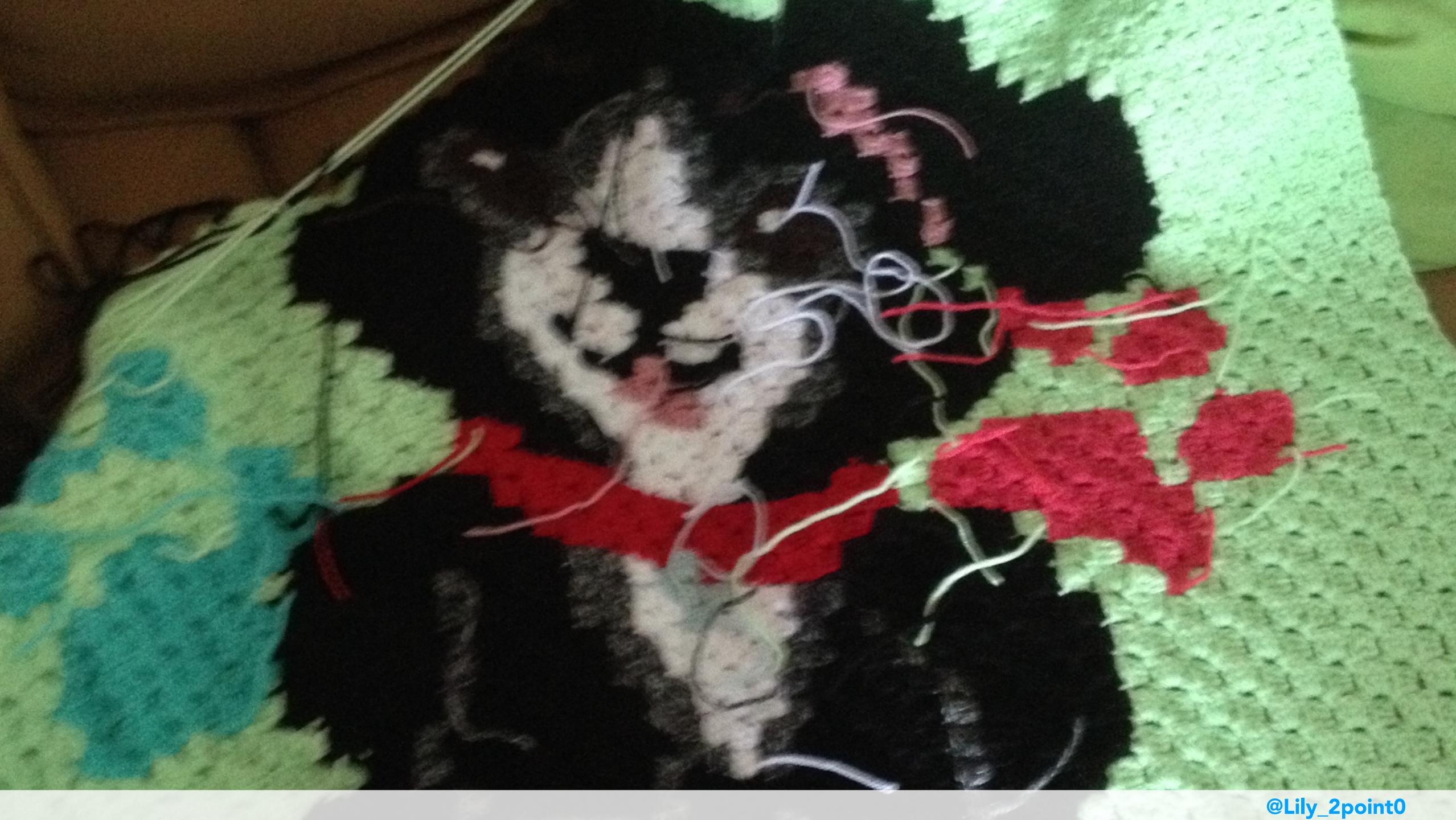












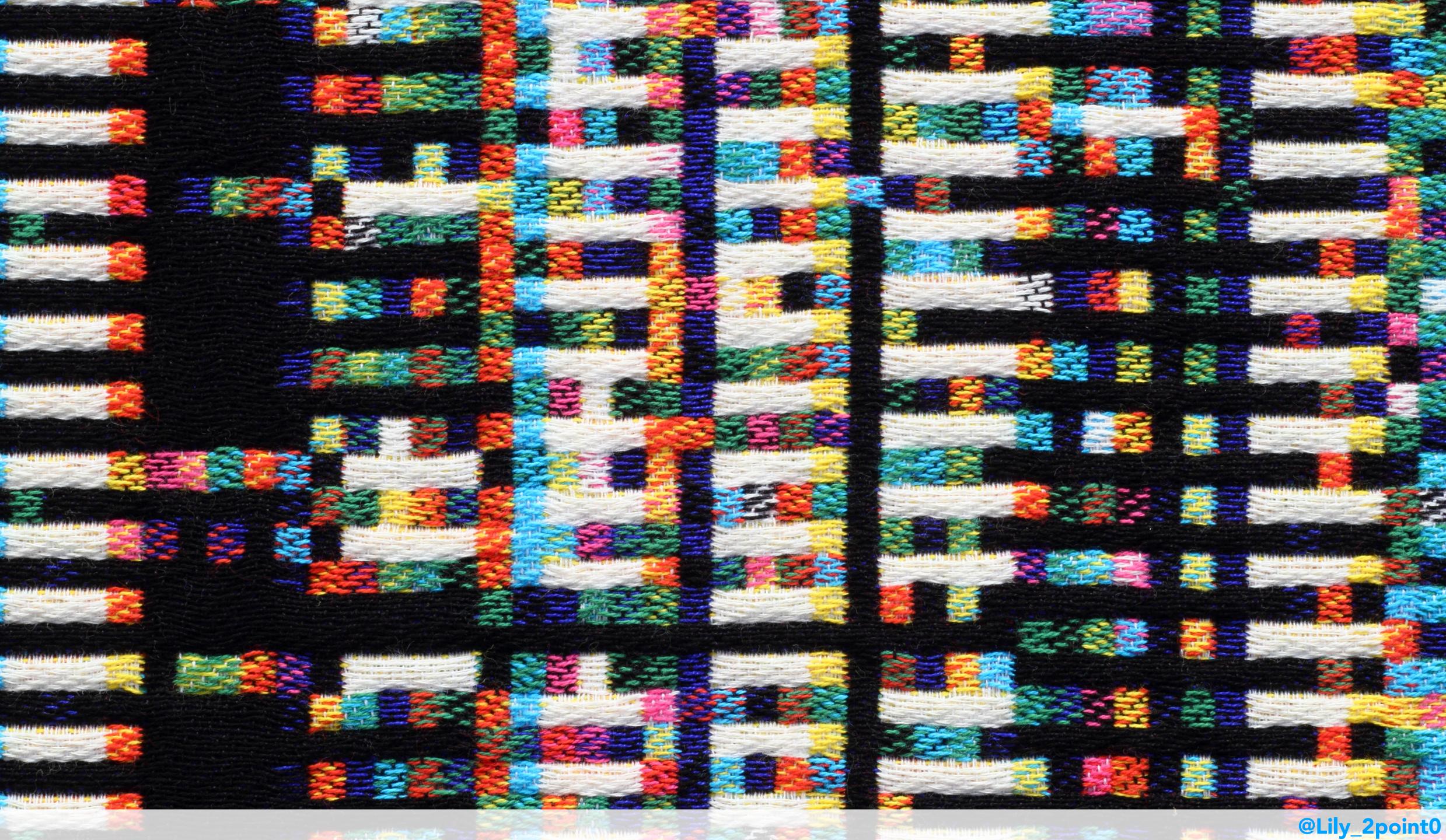


Hacking with yarn0

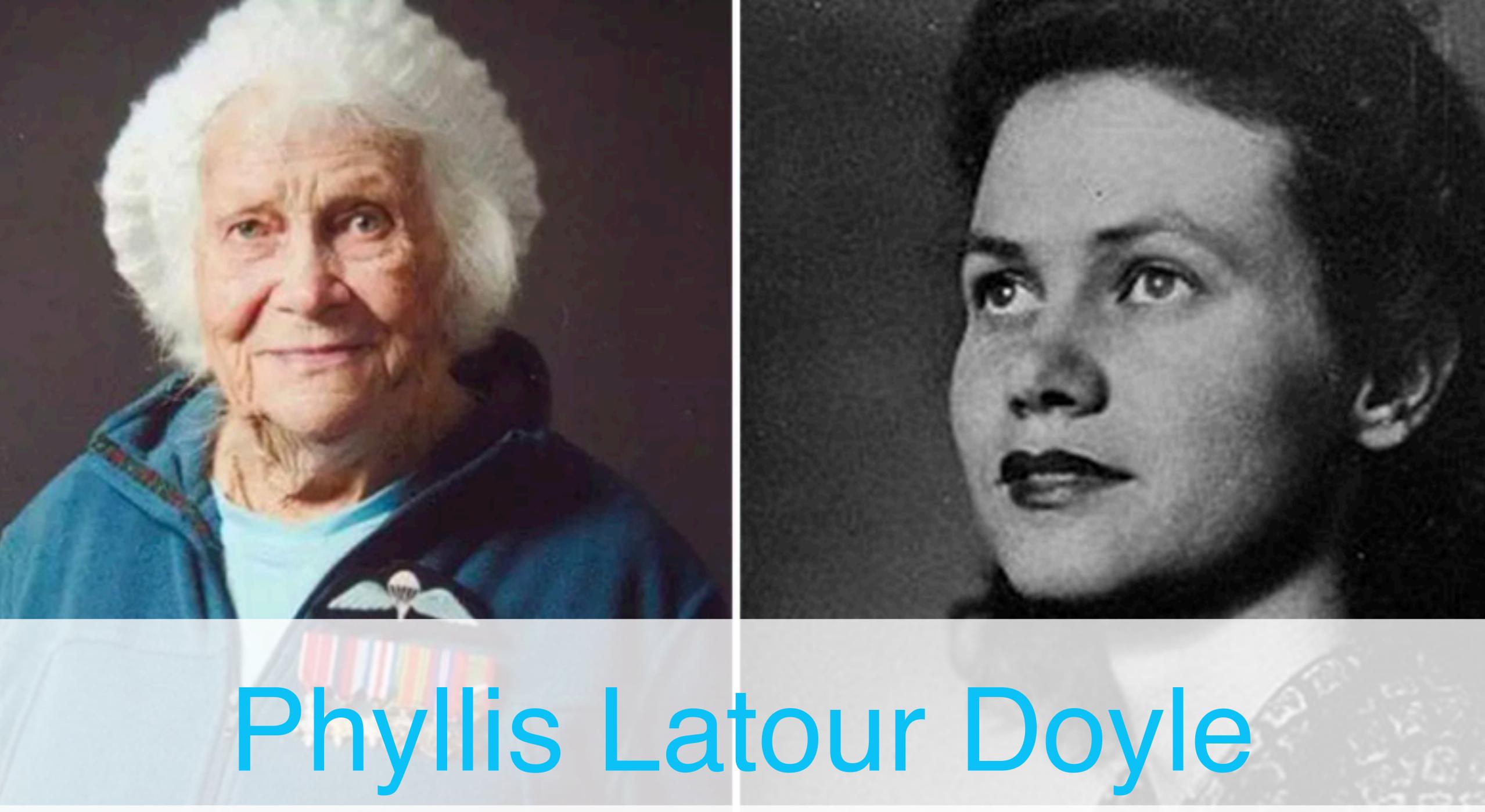










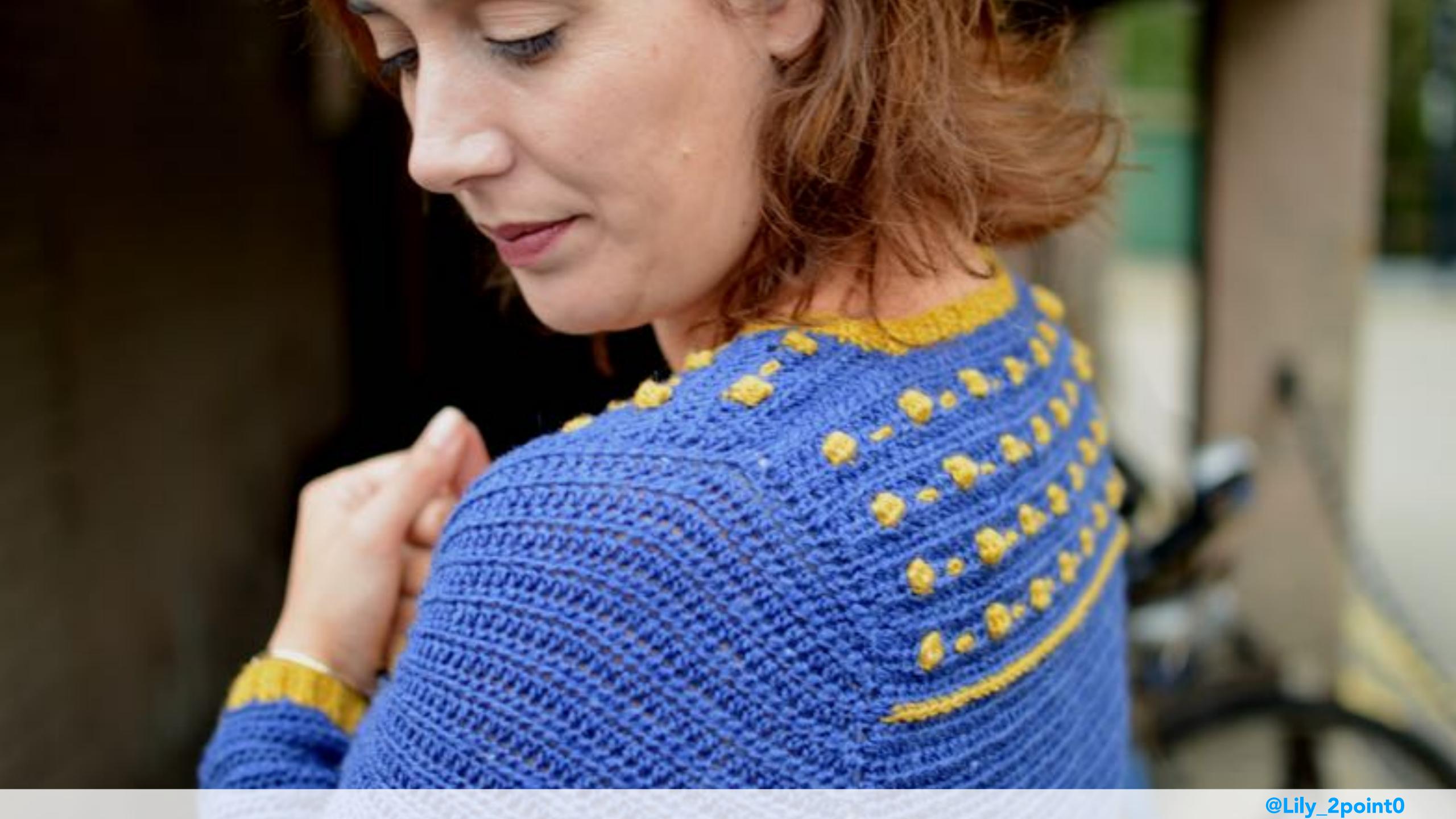




Eden Cottage Yarns













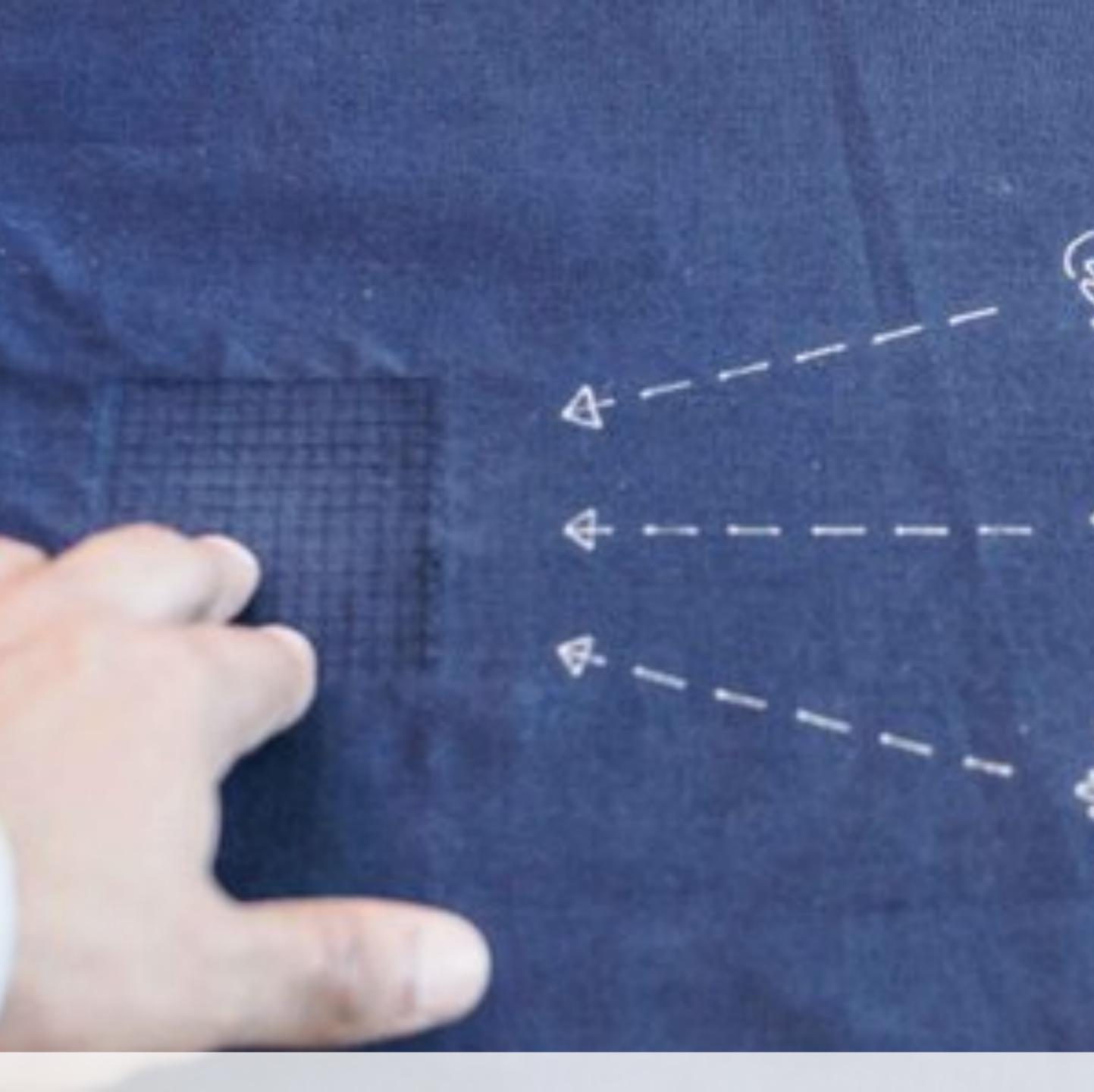


ECAL LAUSANNE

Mashable



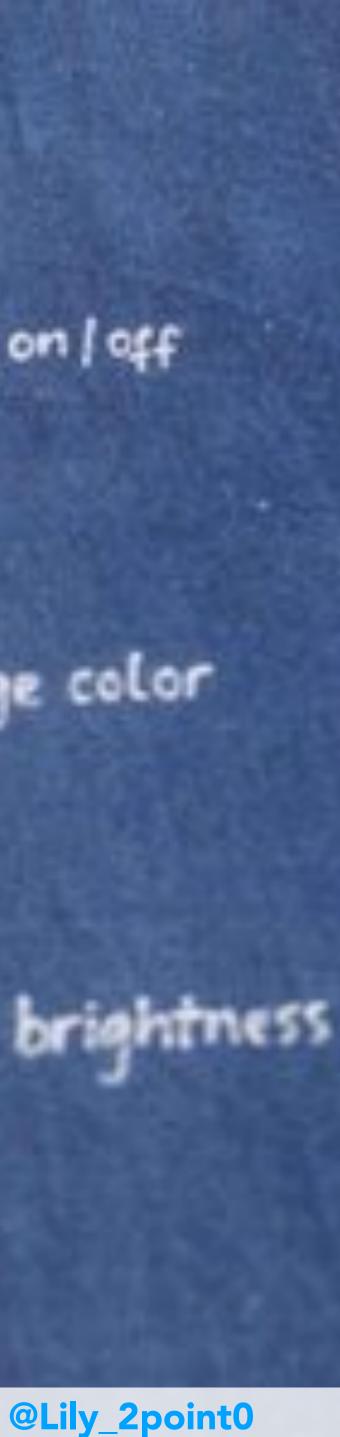




Touch to turn lights on loff

Swipe to change color

Swipe to control brightness







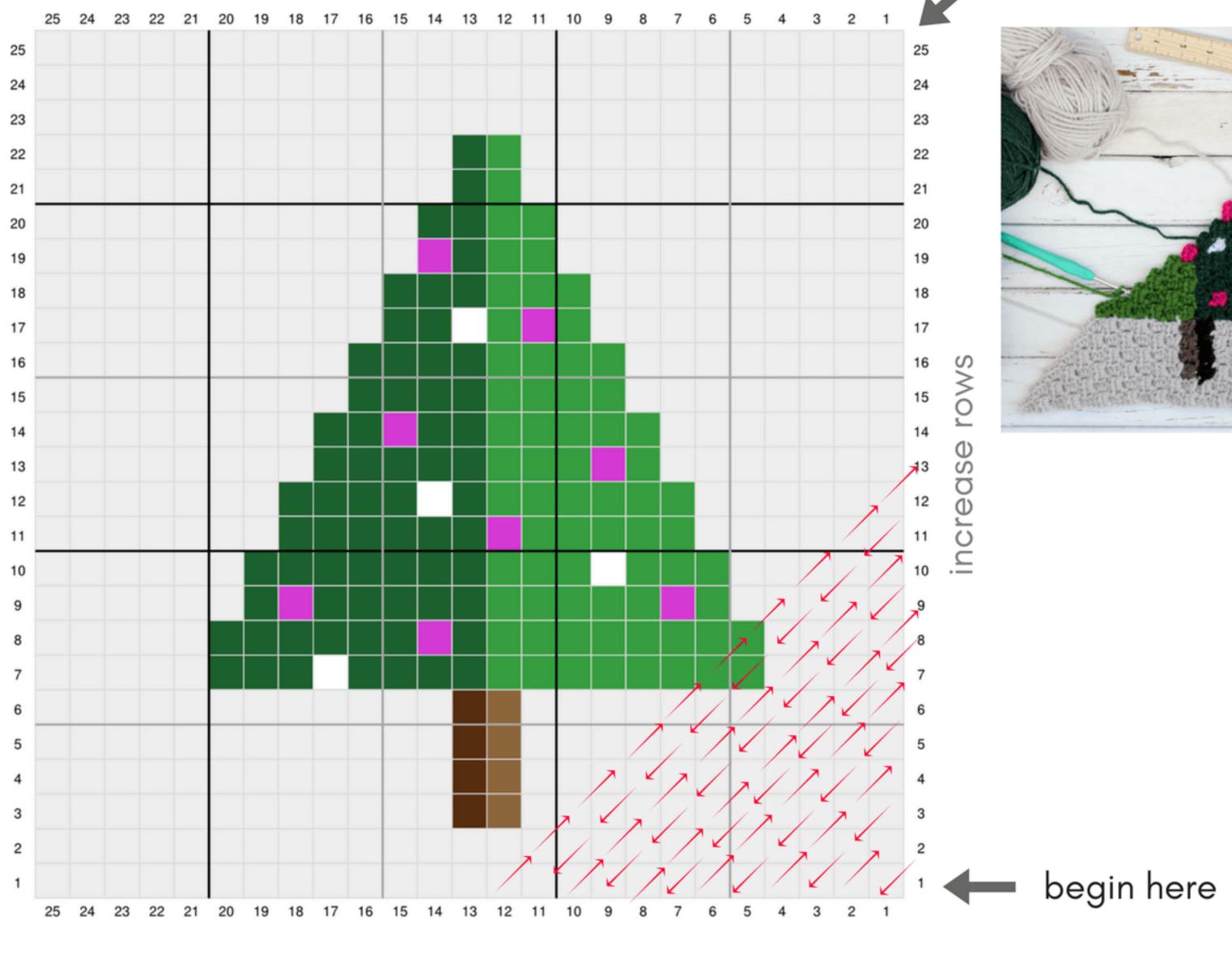






how to read a corner to corner crochet chart

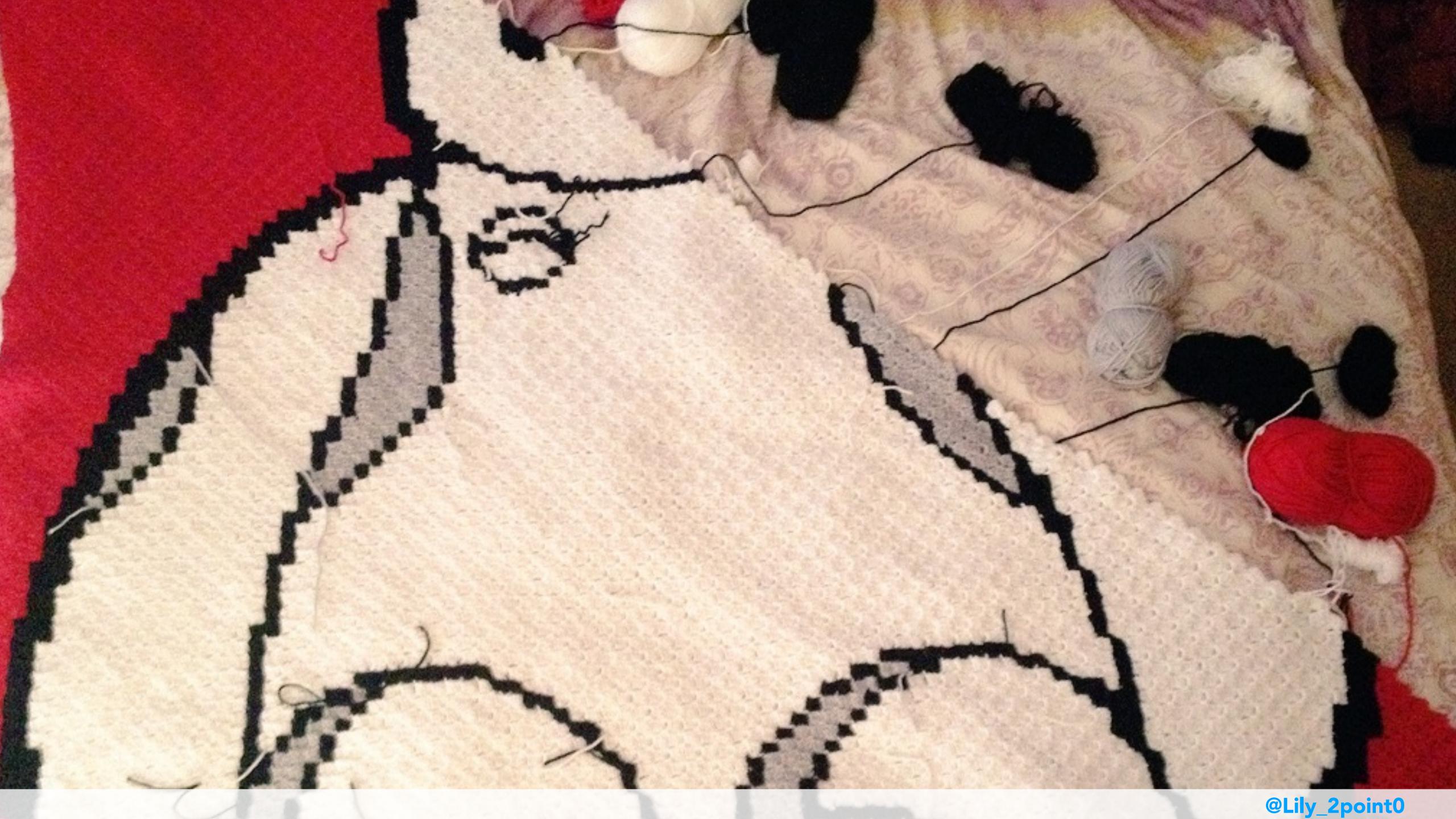
decrease rows



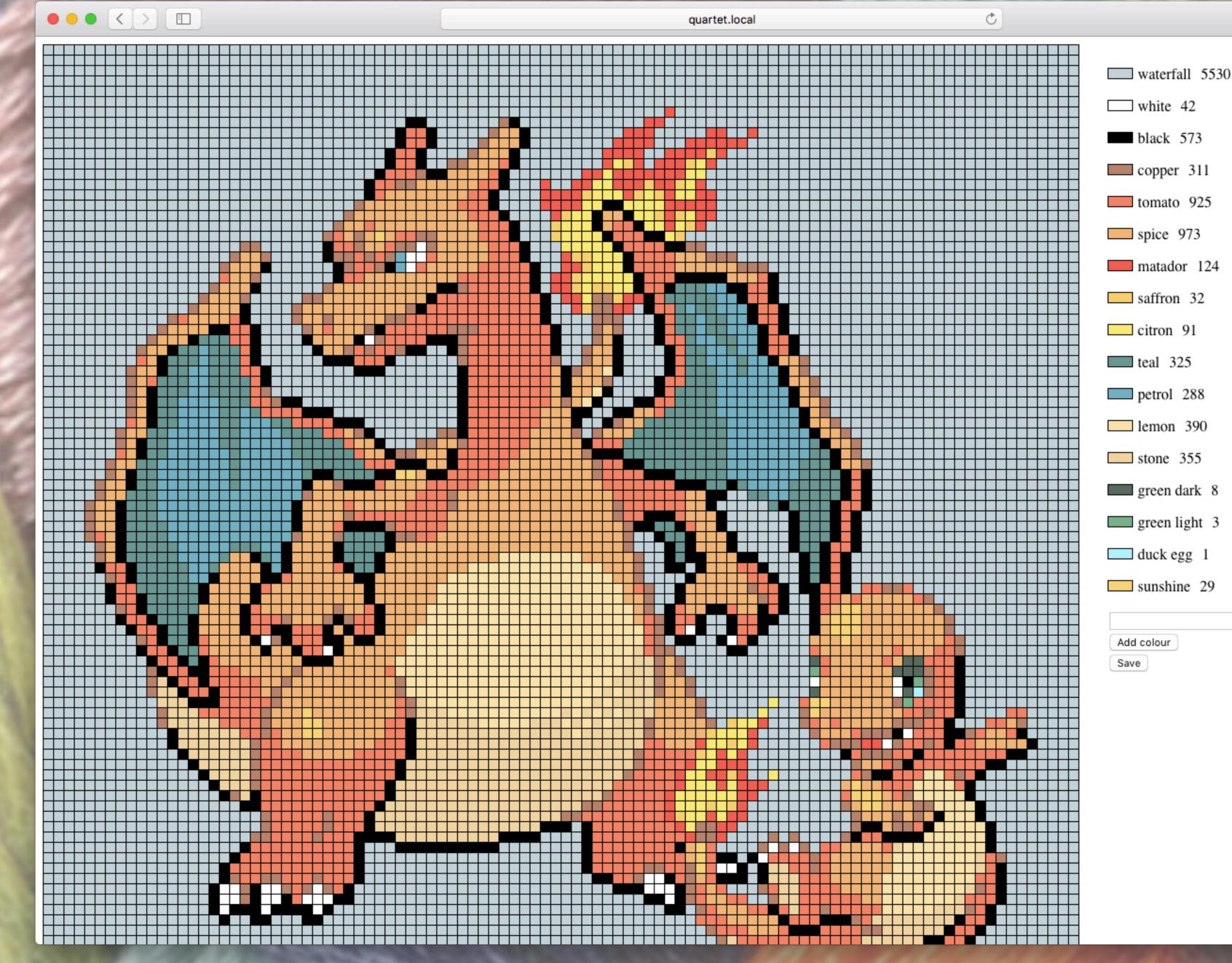
begin decreases here





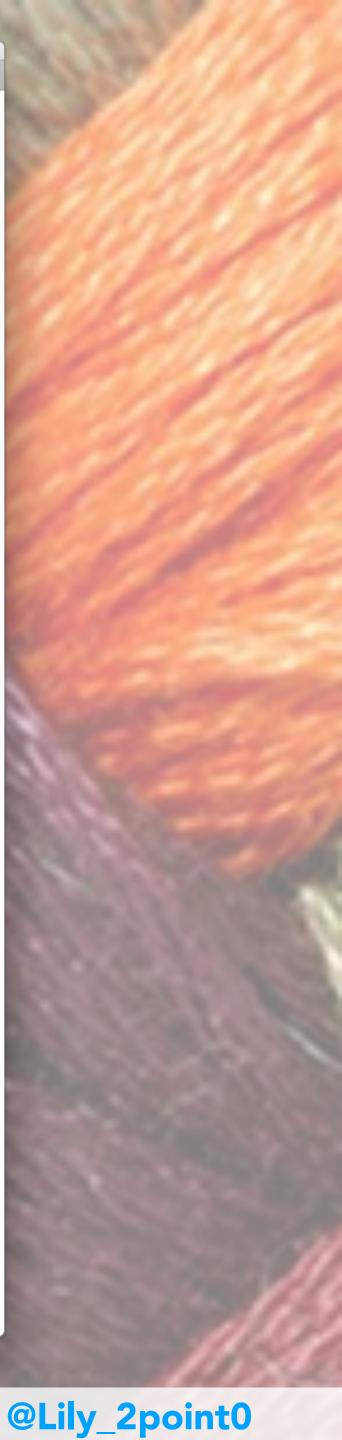






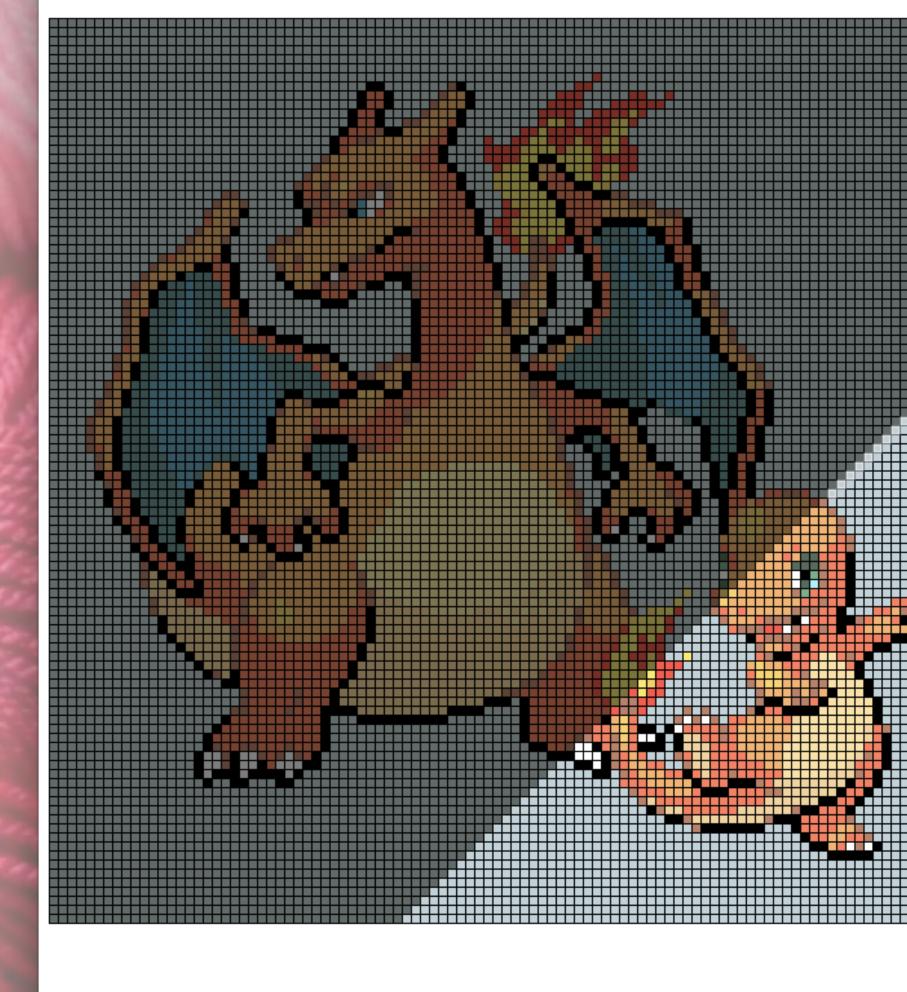


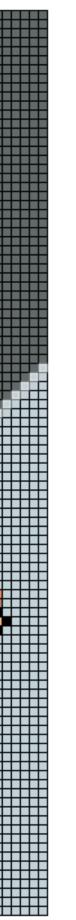
↑ 0 +



| ••• <> | | |
|------------------------|-----------------------------|--|
| з 18% 1877 of 10000 | seconds per square AutoPlay | |
| Square sequence ᅌ | Rewind NEXT Start over | |

14 squares waterfall. end of line. turn.



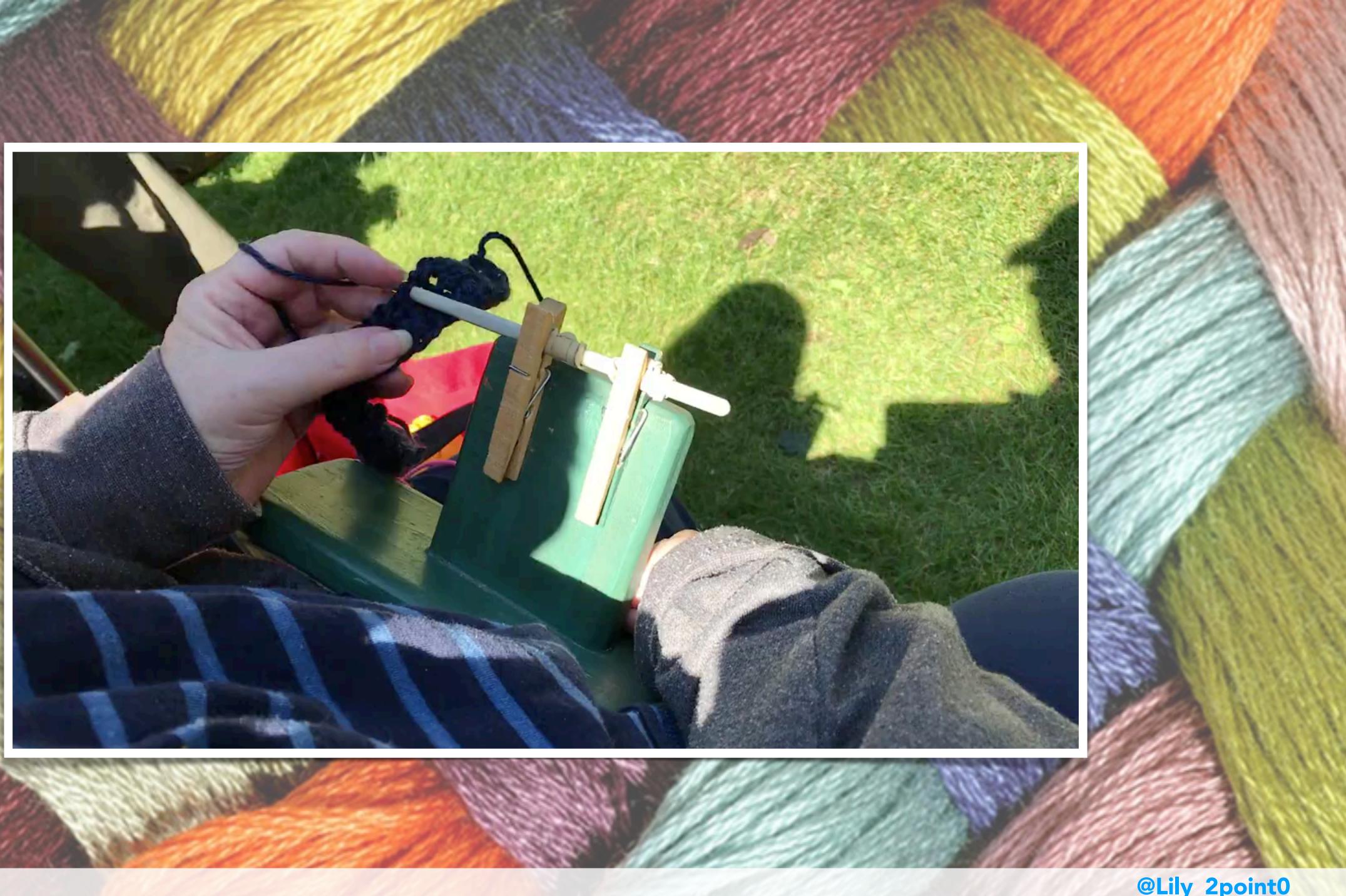














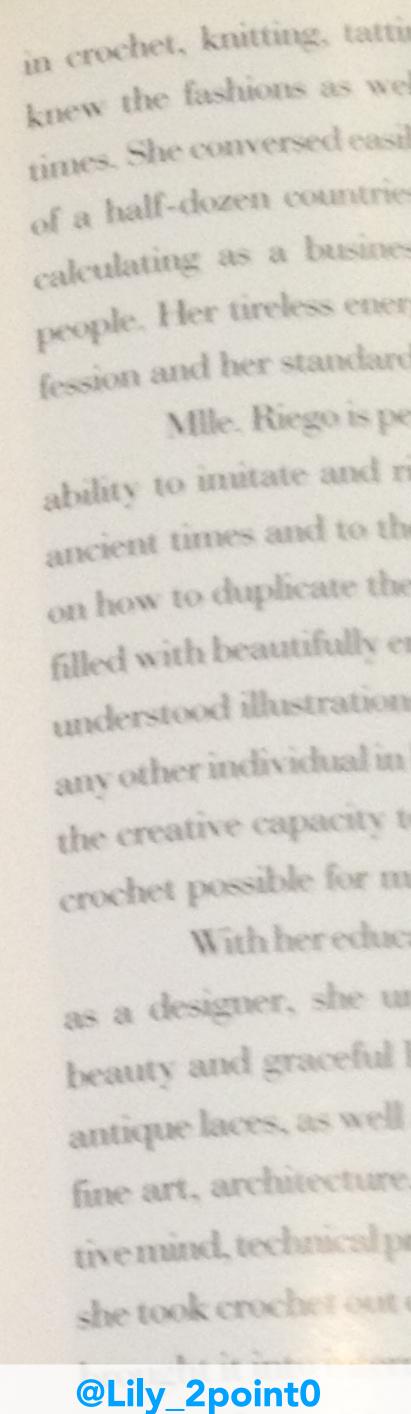




knew the fashions as we times. She conversed easil of a half-dozen countries calculating as a busines people. Her tireless ener fession and her standard

ancient times and to the on how to duplicate the filled with beautifully en understood illustration any other individual in the creative capacity t crochet possible for m

beauty and graceful l antique laces, as well fine art, architecture. tive mind, technical pa she took crochet out o



The last loop2





Crochet is a programming language

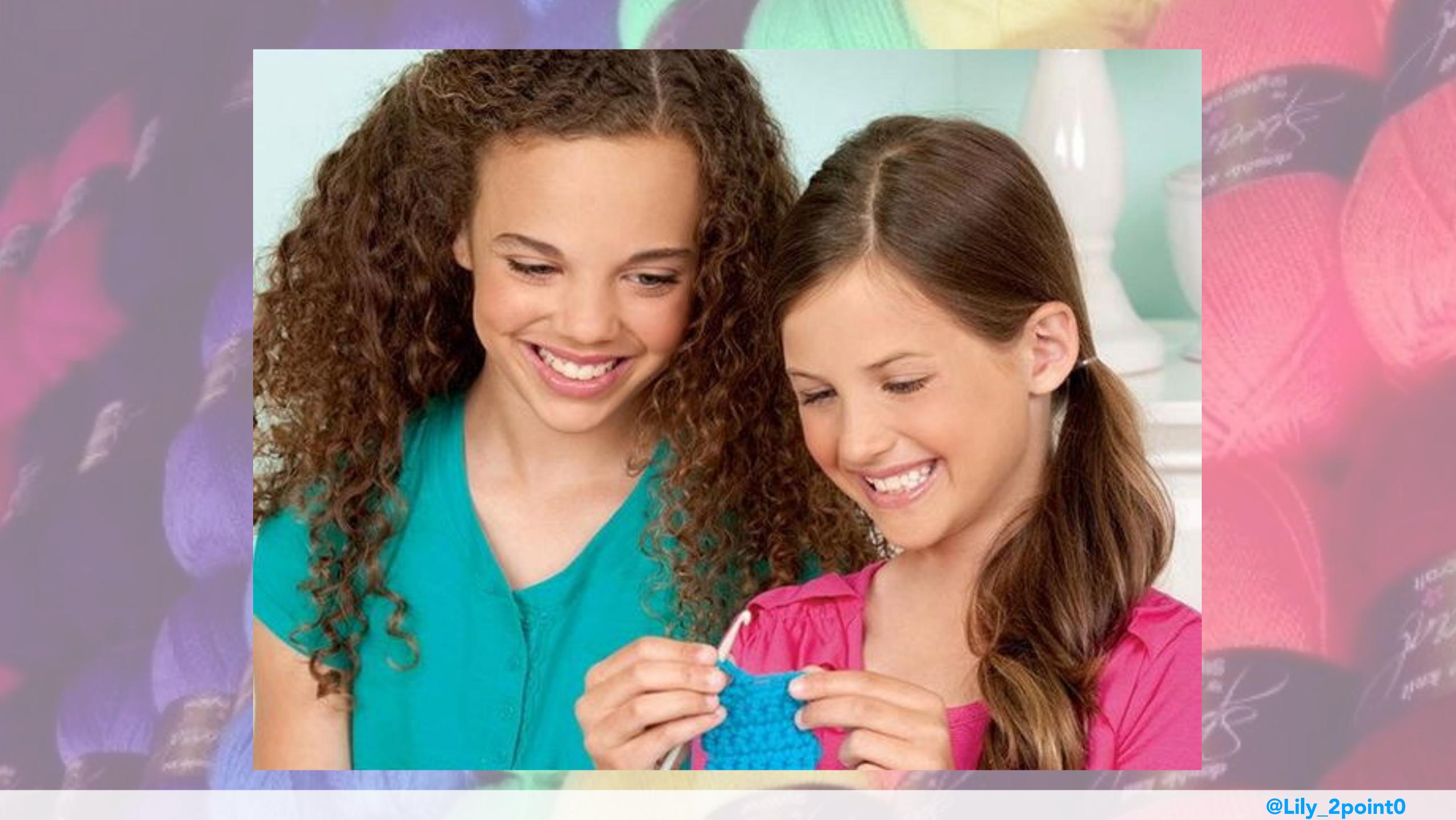
Sigle













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