The 15th Theorem Proving and Provers meeting (TPP 2019)

November 18 & 19

at National Institute of Informatics, Tokyo

About Organization

- **Organizer**: Akihisa Yamada @ NII
  - PhD topic: Term rewriting (Nagoya U.)
  - Doing **Isabelle/HOL** since 2015 (U. Innsbruck)
  - first time to organize/participate TPP!
  - with the help of **Nakano-sensei**, **Katsumata-sensei**
- **L**
  - 10/28: worried of few registrations
    → turned out that most ML throw away my first mails!
    → asked Katsumata-sensei to send announcements
  - 11/18: End up with 36 participants, thank you very much!

Lesson: Double check if announcements are successfully sent!

About Dinner

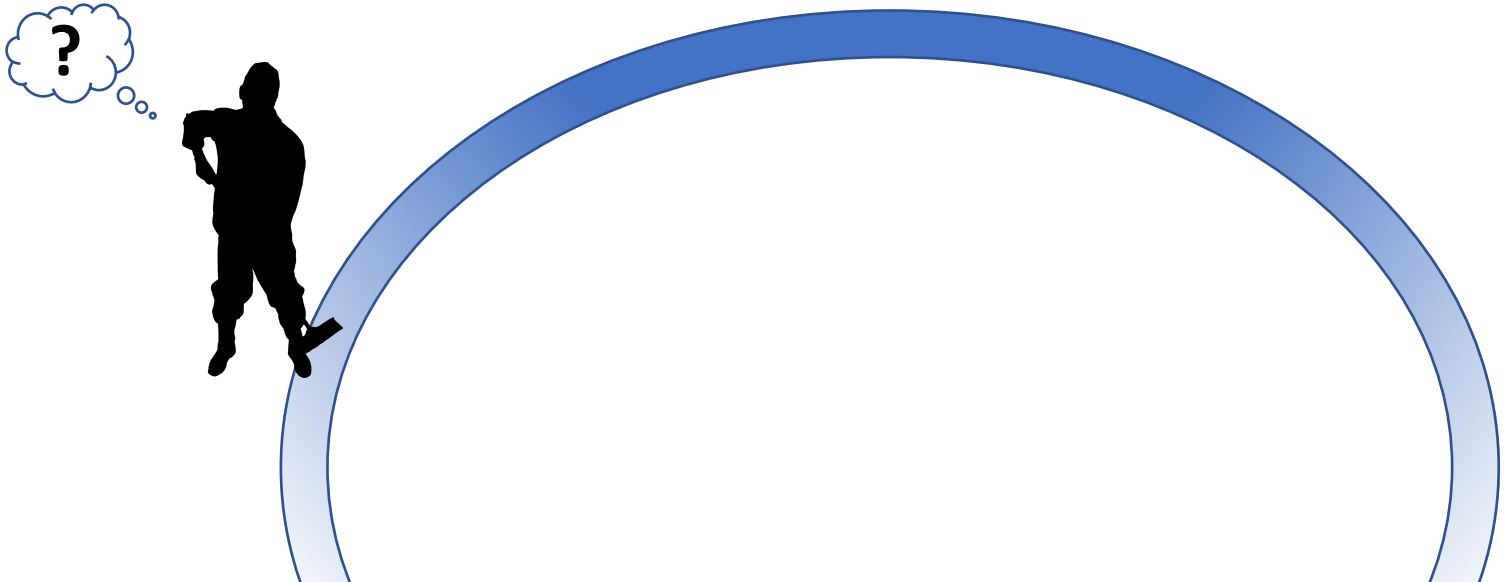
- Place: まごころ居酒屋 芝浦 神保町店
- Menu:
  - a 3,000-yen course (one vegetarian menu)
  - **plus** drink & tax
- Start: 18:30 ～

- I'll leave front of this building at 18:15

About TPP Mark

- Please formalize Turing Machines,
  that manipulate cyclic tapes

- **Quiz**: Clear any input cyclic tape and halt
  (thanks to Vincent van Oostrom)



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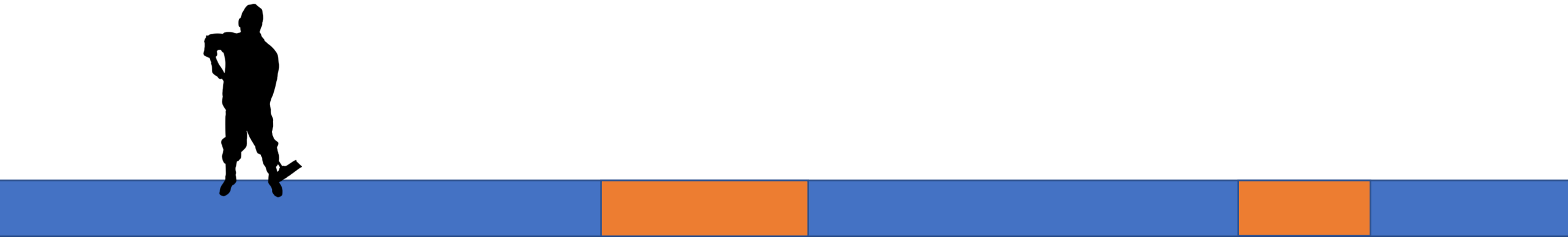

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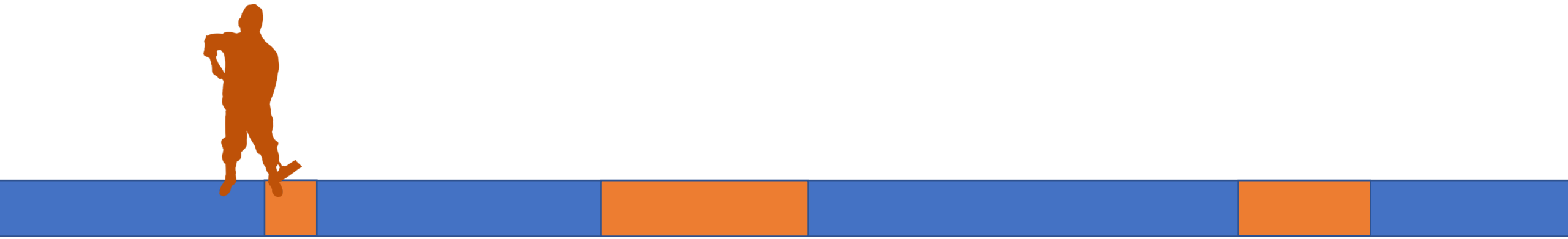

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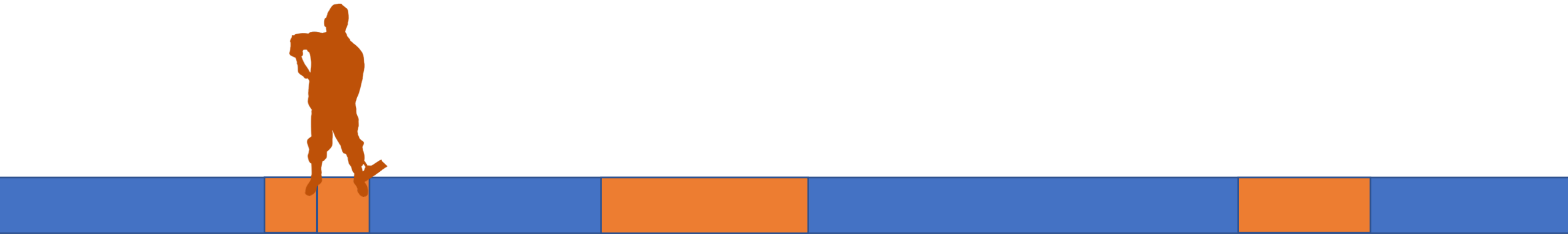

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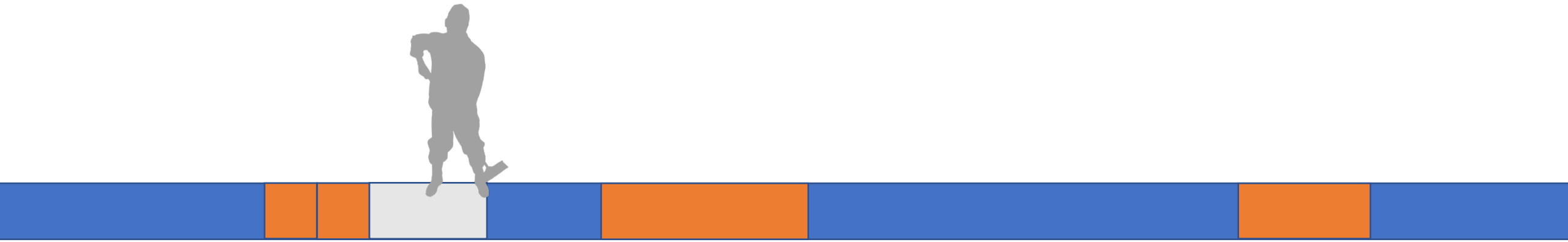

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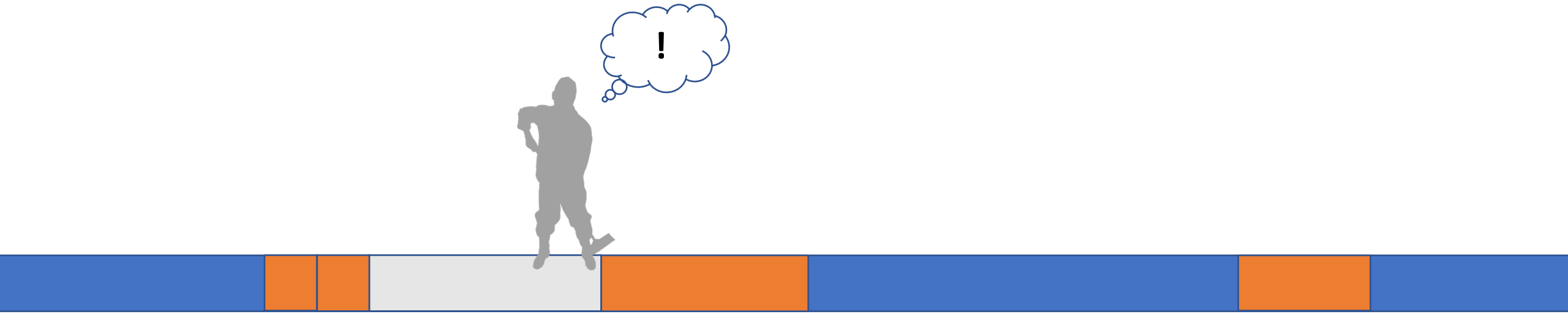

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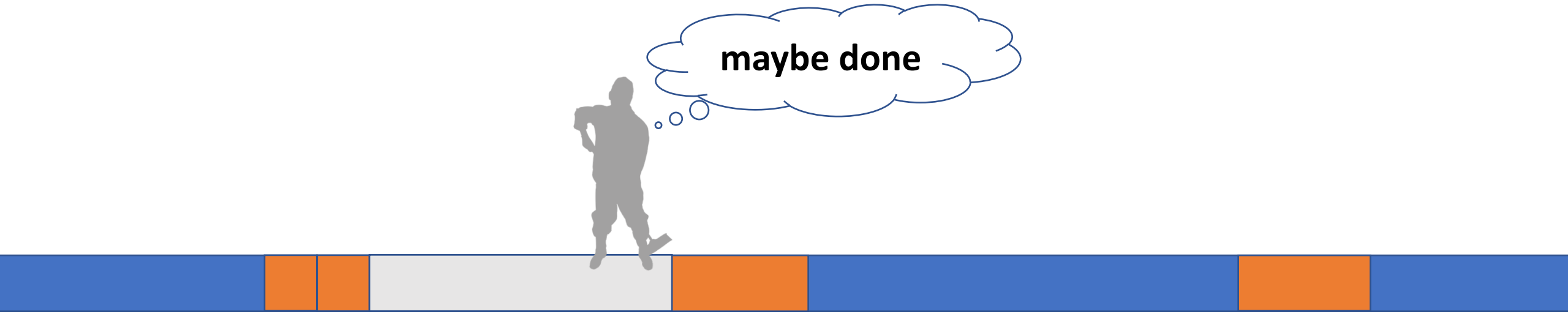

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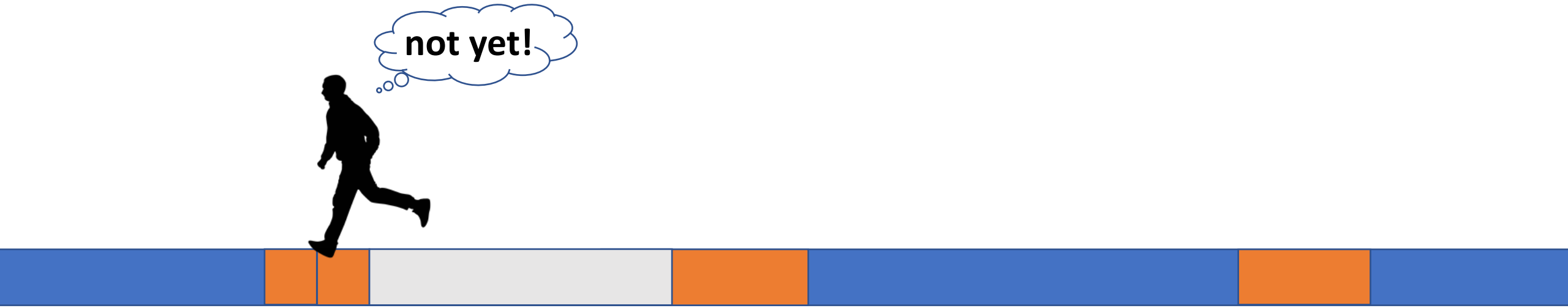

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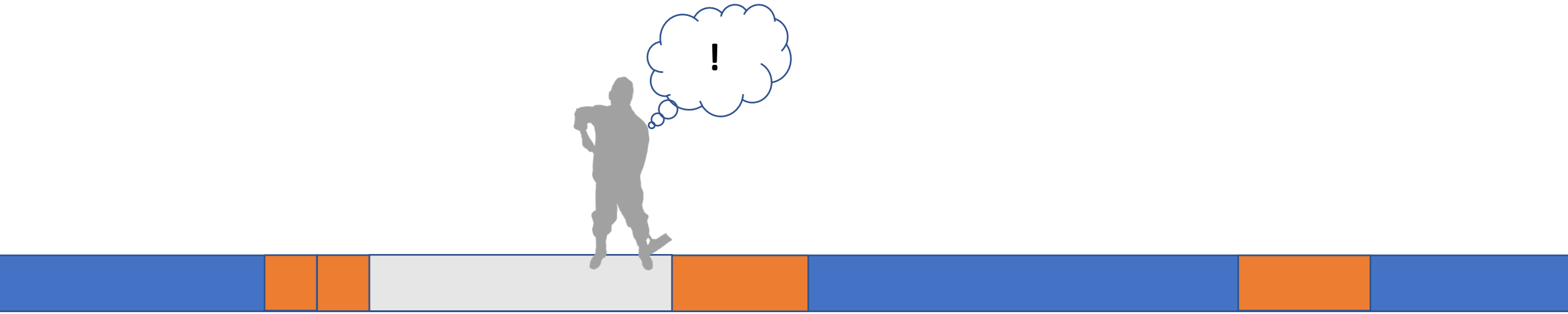

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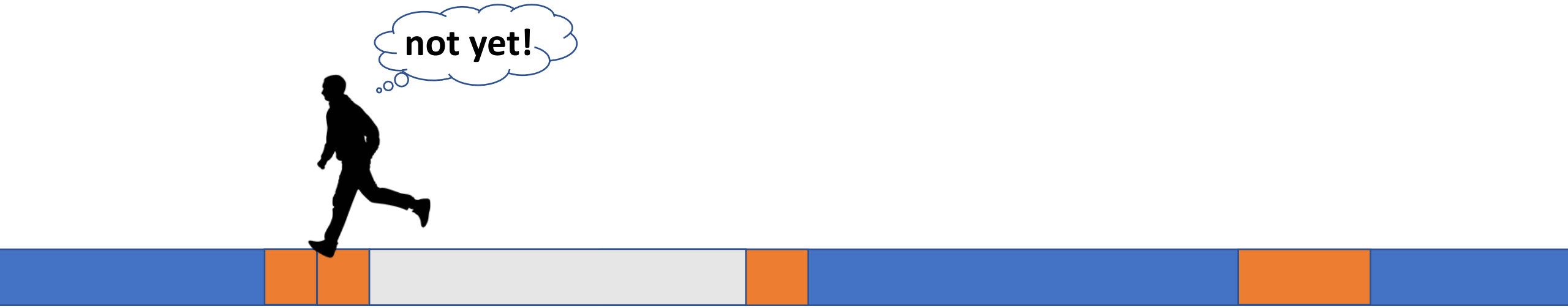

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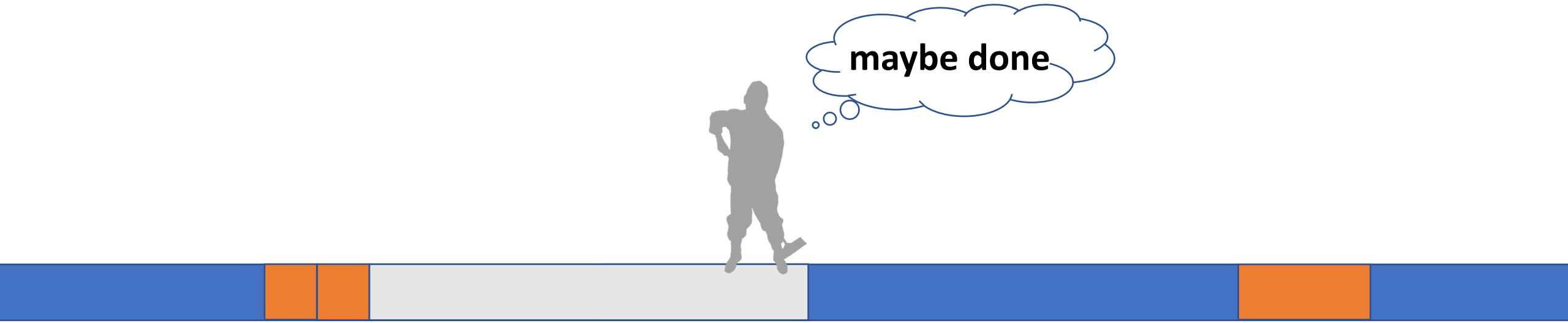

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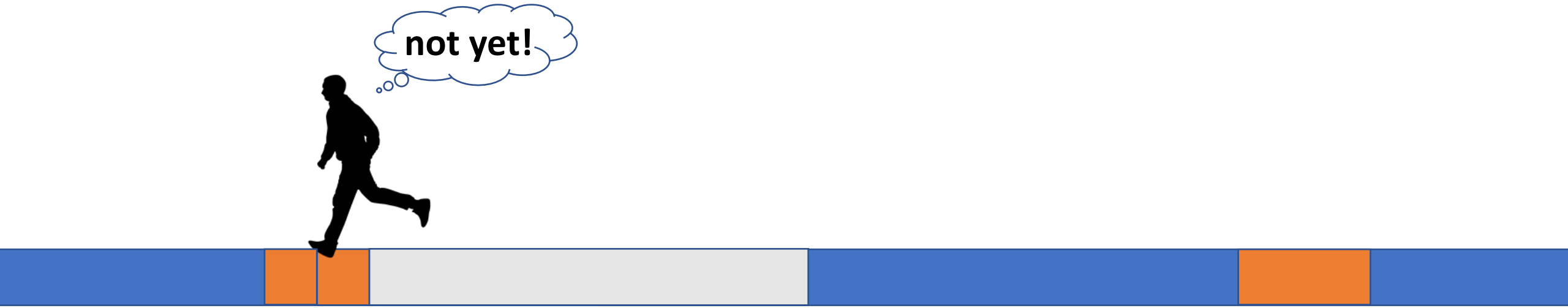

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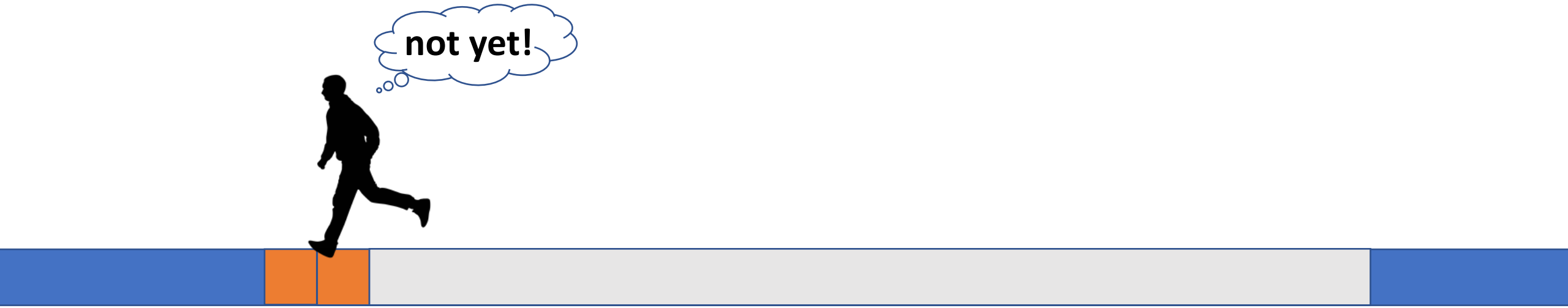

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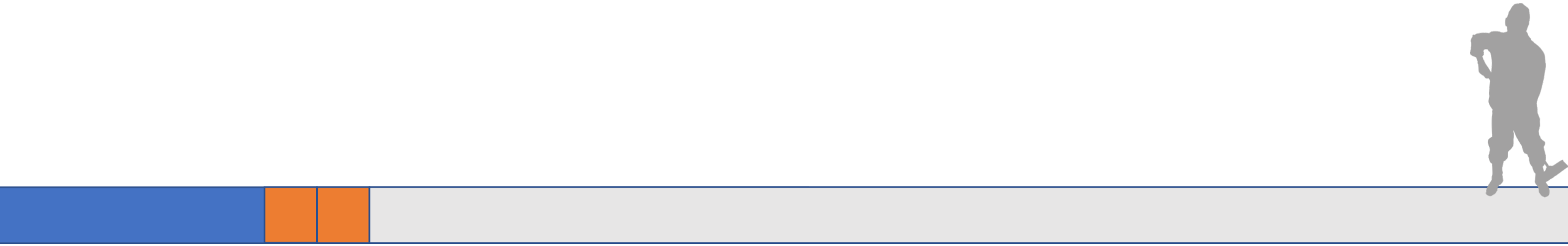

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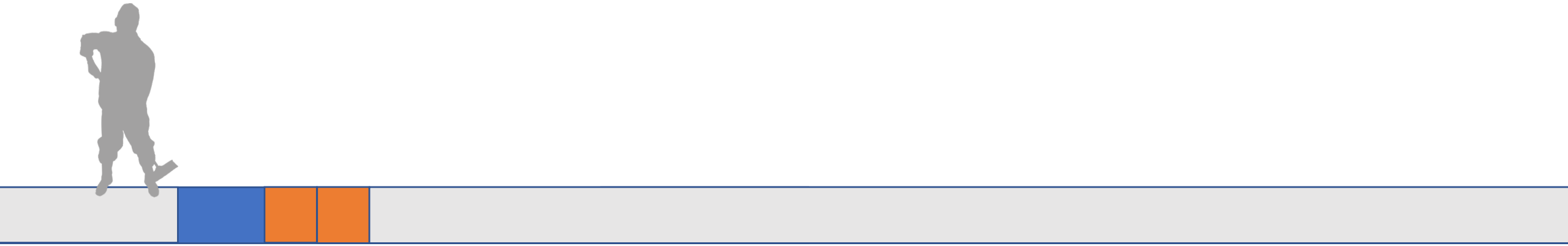

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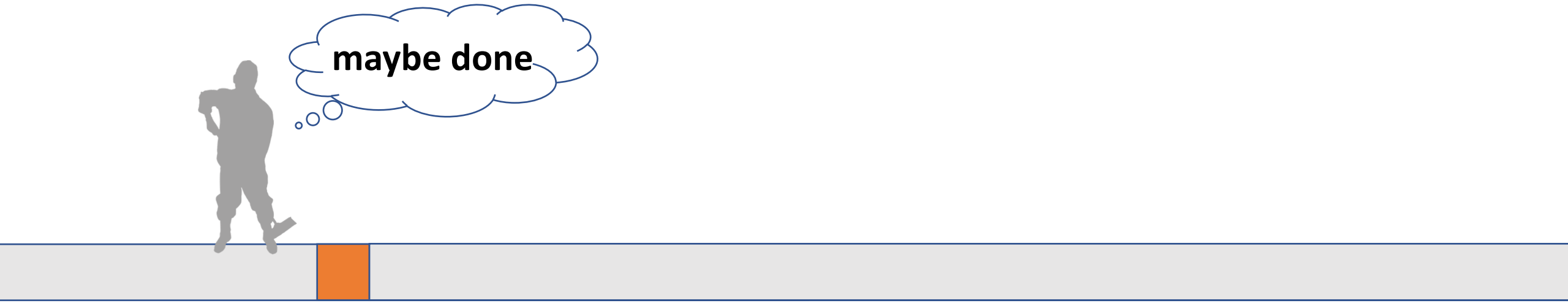

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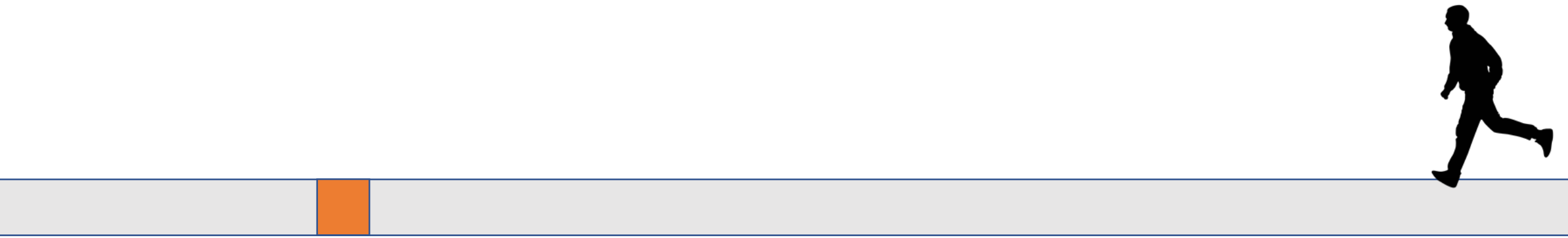

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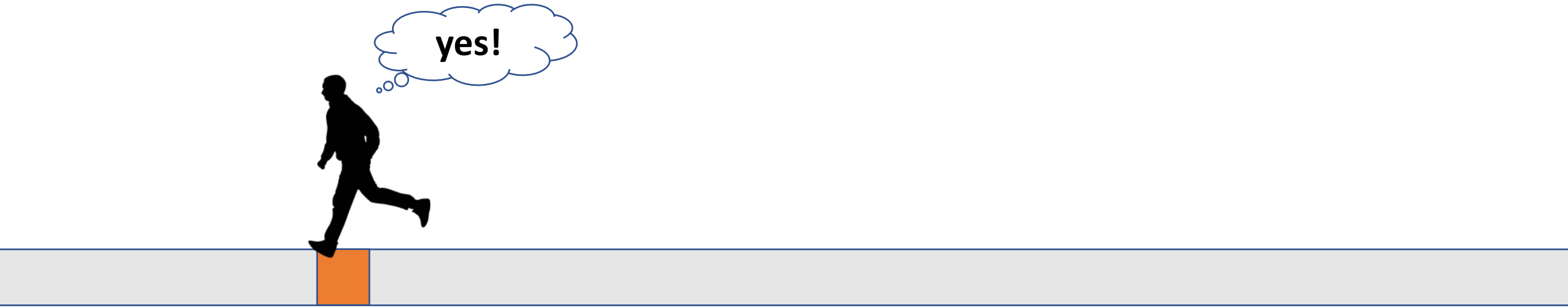

Idea

A (Partial) Solution in Isabelle/HOL

Submitted Solutions

- INOUE Kenta @ Chiba U. (Coq/SSReflect)
  - three days! after announcement to TPP ML
- YAMAMOTO Mitsuharu @ Chiba U. (Coq/SSReflect)
- Jacques GARRIGUE @ Nagoya U. (Coq/SSReflect)
- KANAZAWA Makoto @ Housei U. (Lean)
- NAKANO Keisuke @ Tohoku U. (Coq/SSReflect)
- FUTATSUGI Kokichi (CafeOBJ)