the Algorithm Experience



To make **tangible** the **cause** and the **effect** of efficient algorithms.

WHY?

WHO? Students, teachers, programmers, users, children, ... Everybody!

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WHY?

Find out today: the King's Problem the Two Algorithms the Paper Computer

HOW?

the King's Problem











































the Two Algorithms

ALGORITHM 1

ALGORITHM 2

is P empty?

output: height of intersection between **b r** and wall

the Paper Computer

- Stacks contain multiple memory cells, but only closed ones.
- You can do simple checks and calculations on open values.
- You can write new values based on such calculations.

• With a pointer to a cell, you may open it and look at the value.

the **Experience**

Execute Algorithm 1.

 → When you are done, write down your time!

 Execute Algorithm 2.

 → When you are down, write down your time!