

Problem to solve using conscious feedback

Problem:
Learn how to solve $3 + ? = 8$

Mechanisms:

- IF it tries a value & puts $3 + 4$ into WM, a processor gives it immediate ~~feedback~~ ^{answer}: 7, ~~and another~~
- Another processor gives immediate feedback: correct/wrong

Already built-in.

- keeps trying until it gets a "correct".
- Aware of how numbers can be close or far apart (17 vs 8) vs. (100 vs 8).
↳ But initially not able to actively use that for anything.

- Limit numbers to 1 to 100.
- Initially just try randomly picking numbers, without avoiding duplicates.

Things could learn

- Result will be within bounds of $\pm(\min(i) + \max(i))$.
- Move ^(linearly) in direction of reducing difference.
- make bigger/smaller steps depending on size of difference.

Approach:

- 1) try random numbers within range 1..100.
- 2) Examine STM for final result and to discover predictions.

use a bayesian theory model against final successful outcome.
slow, but not too slow.

what x leads to desired y outcome?

Ideal mechanisms here would work against external sensor tags to learn something about the world... Possibly in the form of "how do I manipulate the world?"

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Problem to solve.

Ultimate goal: that it generalizes beyond
limited 1..100 number range, and
I can ask it: $> 1005 + ? = 2134$.