IT Lightning Talk

BREAK THE CODE

A TEDxCERN Sponsored, NFC and Raspberry Pi-based interactive game to teach deductive reasoning and have fun in the process.

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Brice Copy
CERN BE Department
BREAK THE CODE
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The Game

Scan a sticker

Check the result

Scan another

A = E  O
3  5
2  3
What hardware is it made of?

- A Raspberry Pi 2 configured as a kiosk
- A NFC Tag Reader
- An Arduino Uno – configured as a virtual keyboard
What software is it made of?

- Google Chromium browser in kiosk mode
- Nools (A javascript RETE rules engine)
- D3.js (to reflect assertions into graphical elements and animations)
- Jetty Web Server (lightweight Java web server)
What could be done with it?

• Replace logic gates by elements in a Feynman diagram for the Microcosm?

• Create a repository for more online puzzles of increasing difficulty.
Official links

Github repository
  - http://github.com/bcopy/logic-gates

Consult the readme at:
  - http://github.com/bcopy/logic-gates

Play the game at:
  - https://bcopy.github.io/logic-gates

CERN Social: #tedxcern
Thank you very much

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