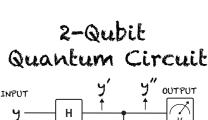
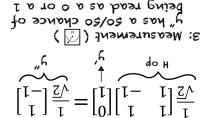


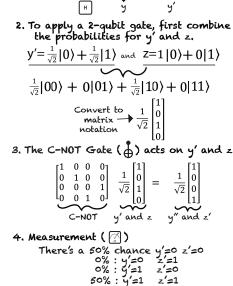
- 3: Last, the gubits y" and z' are measured, and each qubit's value is a 0 or 1
- 1: First, the Hadamard Gate (III) acts on y, producing y' 2: Next, the C-NOT Gate $(\cancel{+})$ acts on y' and z, producing y" and z'
- **y**" OUTPUT INPUT MН Ч

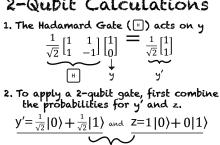


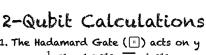


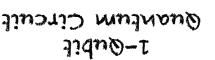
2: Hadamard Gale (H)

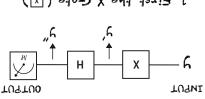












'ye en y, producing y 1. First, the X Gote (X)

- "h enisuborg Cotes (H) מכבי on h' 2. Next, the Hadamard
- the value is 0 or 1 שבמשתבק (🖉)) מאק 3. Last, the gubit y" is



This work is funded in part by EPiQC, an NSF Expedition in Computing, under grant 1730449

March 2019

https://www.epigc.cs.uchicago.edu/resources/

Find more Quantum Computing zines here:

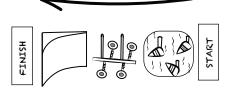
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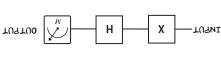
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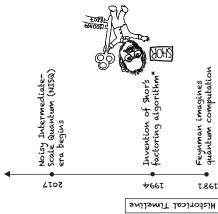


qubits, altering their state. QUANTUM JALES OPERATE ON

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Time progresses from left to right.

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resport of Quantum Computing. algorithm, see the EPiQC zine on the To learn more about shor's factoring