Quantum computing

Elisa Pettinà telegram: @ElisaPettina Github: QuantumComputing

 $March\ 11,\ 2022$

Contents

	Introduction: from classical to quantum		
	1.1	Classical computing	2
		1.1.1 Bits and logical gates	2

Chapter 1

Introduction: from classical to quantum

1.1 Classical computing

We'll start our discussion about quantum computing by first reviewing fundamental classical computers' notions.

1.1.1 Bits and logical gates

Classical computers are made by

- Elementary units: **bits**, that can take values 0, 1;
- Ellementary operations carried out by logical gates.