- 1. A measure for the complexity of an algorithm at large value of ${\cal N}$
- 2. O(100)
- 3. $O(n^2 + 100)$
- 4. Classical algorithm complexity: $O(n^2)$, Quantum algorithm complexity: O(2n+1000)
- 5. Shor's algorithm
- 6. X gate and CNot gate
- 7. Deutsch Nosza algorithm