**Quantum Algorithm** 

- Build "All-knowing" Oracle Dobon Oracle is actually of quantum circuit

0(0):40,12 -> fo,13

- quantum circuits can
be described as "weighted"
transformation matriciel T,
whose neights can be
learned

O(Q): q' = TQ

1. Bild an Oracle

- essentially a machine

Quarring model

- Quarring weights of

unitary oferation that

map : X Hortx) MOTE: this could fail drasticelly 2. Apply Oracle -> place all input qubits () into a uniform Super position Juse quantum supremery and other "fun" wath tricks eq. Grover Operator, phose given