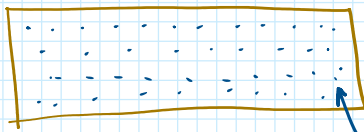


Data Storage

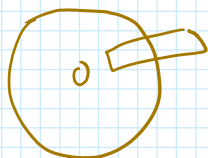
SSD



Transistor/switch.
It holds charges.

if charge holds - 1
" " not " - 0

HDD



it use magnetic plates

Ⓢ Ⓝ
0 1

→ uses magnetic poles.

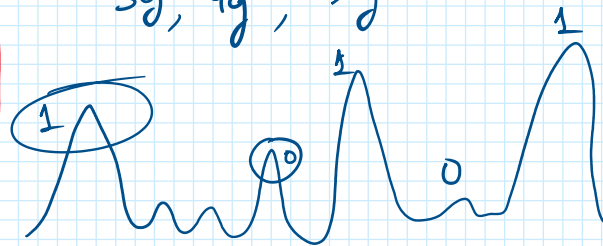
Bits → Binary Digits.

Data Transfer.

Electro magnetic Waves.
are used.

Radio Waves →

3g, 4g, 5g



Fiber optic Cables

→ we send light pulses.

light on - 1

light off - 0

Copper

High voltage - 1

low voltage - 0

→ This is how we
Represent data
physically.

10101 → 21 → We can save a
number in this way.

But letters ?

→ character Encoding.

In physical level everything is 0 and 1.

In physical level everything is 0 and 1.
The way to interpreting is different.