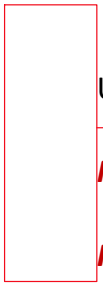
Bitwise Operators

Monday, February 16, 2026 2:49 PM

Computers Thinks in **bits** and **bytes**.

== Address bar --- we are typing == colab.google == Input ==

Input == Process == Output -- that's how all the machines works.



U need it.

Machines doesn't makes mistakes.

Peoples are dumb that's why machines are learning.

1 Cr == 2 Cr == ye mera target march end me.

A bit is the smallest unit of digital information, it can either be 0 or 1.

A byte is a collection of 8 bits, it can represent values from 0 to 255.

Operator	Description	Syntax
&	Bitwise AND	x & y
|	Bitwise OR	x | y
~	Bitwise NOT	~x
^	Bitwise XOR	x ^ y
>>	Bitwise right shift	x>>
<<	Bitwise left shift	x<<

Google.com == name == Domain Name System ==
2404:6800:4002:807::200e:

Domain Flipping ==

BINARY digits == 0,1 ==>

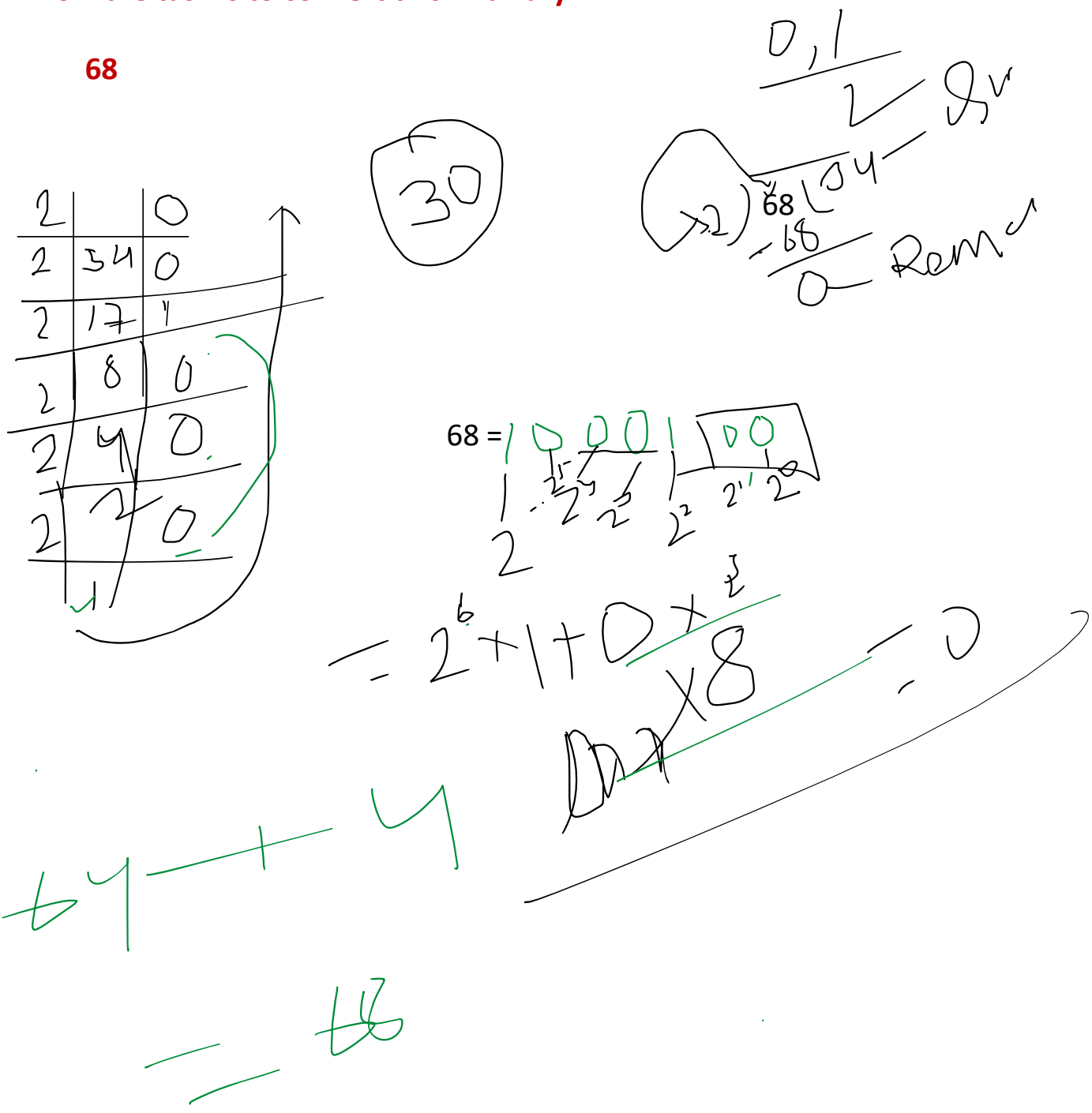
~~-10, -7, -8, --~~hum ispe kaam nahi krte h.

Top 1% -- wali skills.

68 --- decimal number (floats) == 68.0

Now the task is to convert this in binary…

68



Logic Gates ===

8 & 72 == 8