

Bunary Number System

Made by

- Rizaev Daniil
- Popov Alexander
- Aristova Maria
- Gafurov Aidar
- Demin Sergey
- Khafizov Bulat

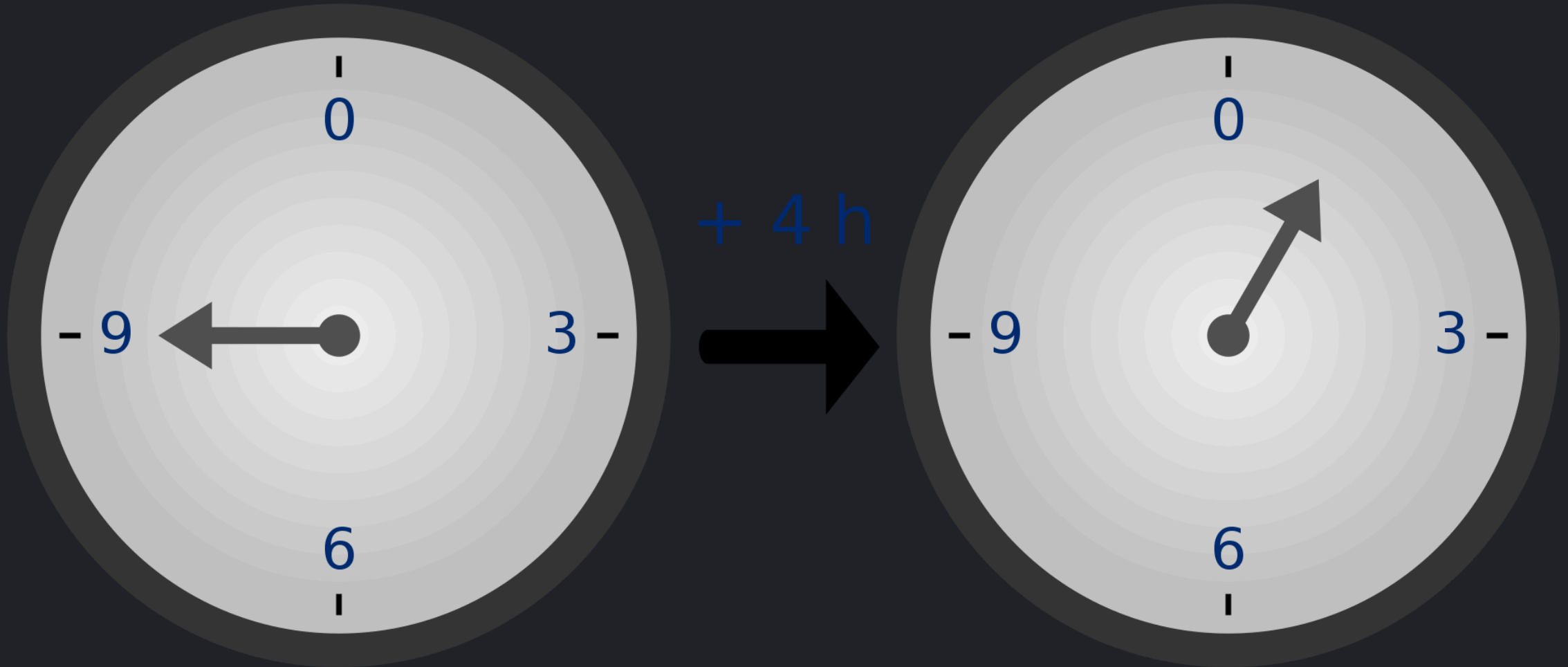
What is Binary number system

Binary - positional number system with 2 digits - 0
and 1

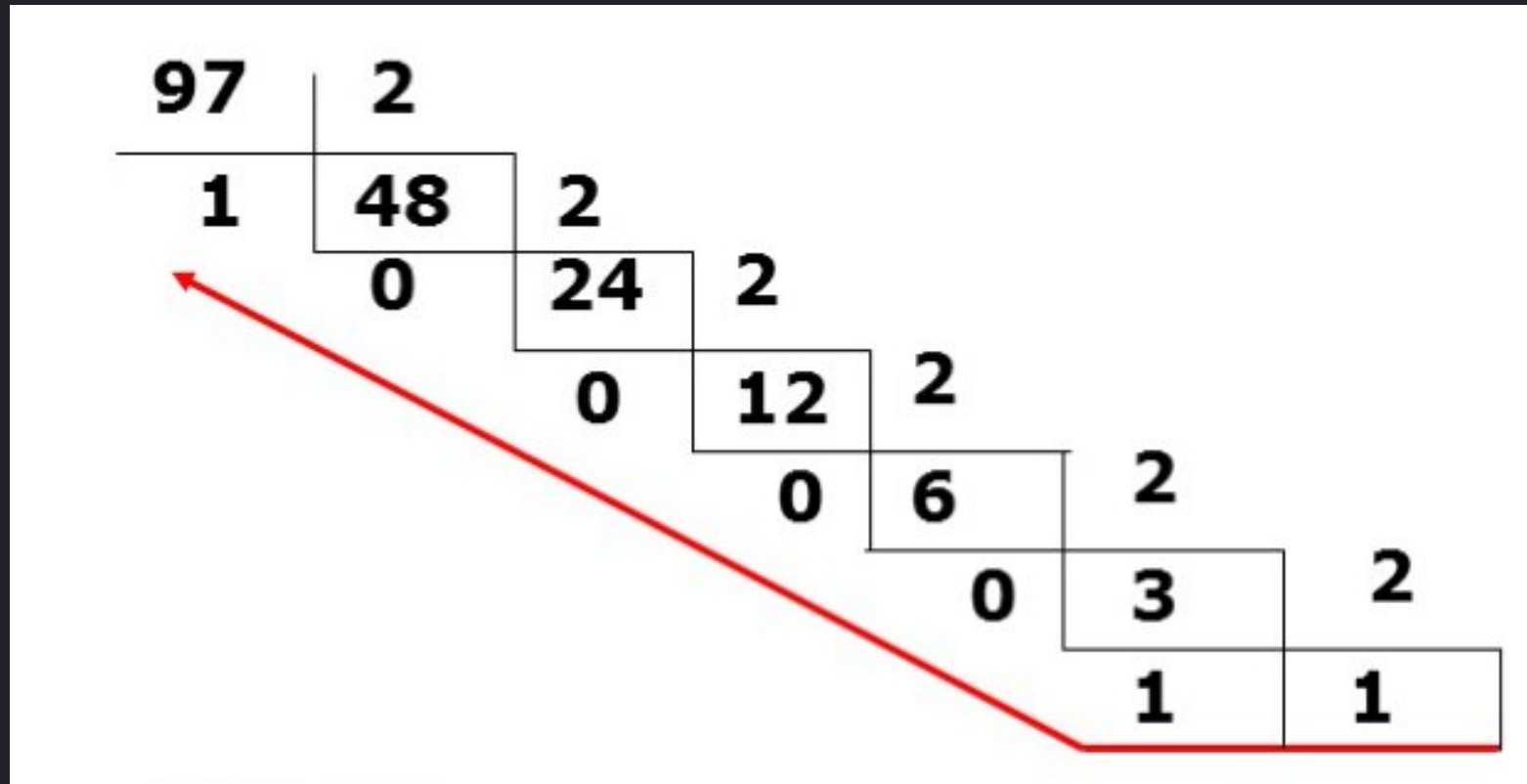
History



Big, Small And Negative



Conversion

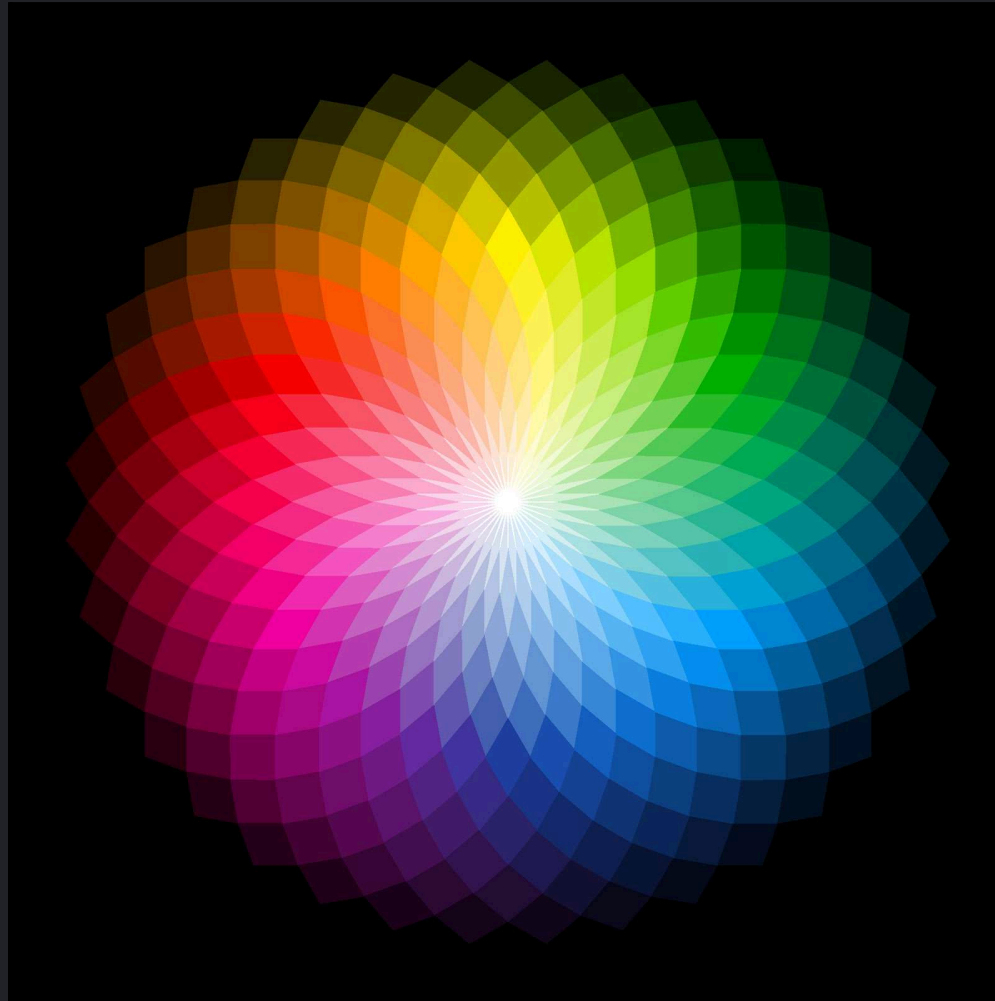


$$1\ 0\ 1\ 1_2 = 1 \cdot 2^3 + 0 \cdot 2^2 + 1 \cdot 2^1 + 1 \cdot 2^0 = 8 + 2 + 1 = 11_{10}$$

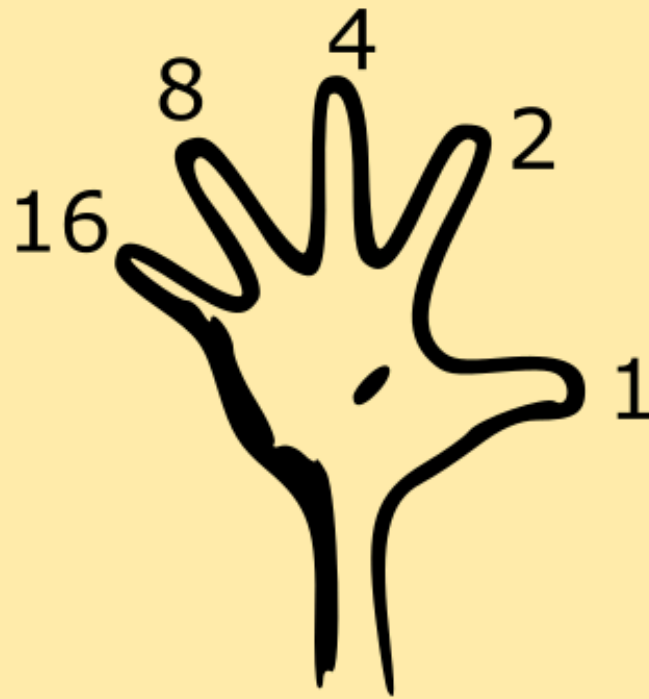
Binary in computers

Символ	Двоичный код	Десятичный код	Символ	Двоичный код	Десятичный код
A	01000001	65	N	01001110	78
B	01000010	66	O	01001111	79
C	01000011	67	P	01010000	80
D	01000100	68	Q	01010001	81
E	01000101	69	R	01010010	82
F	01000110	70	S	01010011	83
G	01000111	71	T	01010100	84
H	01001000	72	U	01010101	85
I	01001001	73	V	01010110	86
J	01001010	74	W	01010111	87
K	01001011	75	X	01011000	88
L	01001100	76	Y	01011001	89
M	01001101	77	Z	01011010	90

6. Real world uses



Fun counting method



Thank You For Watching !