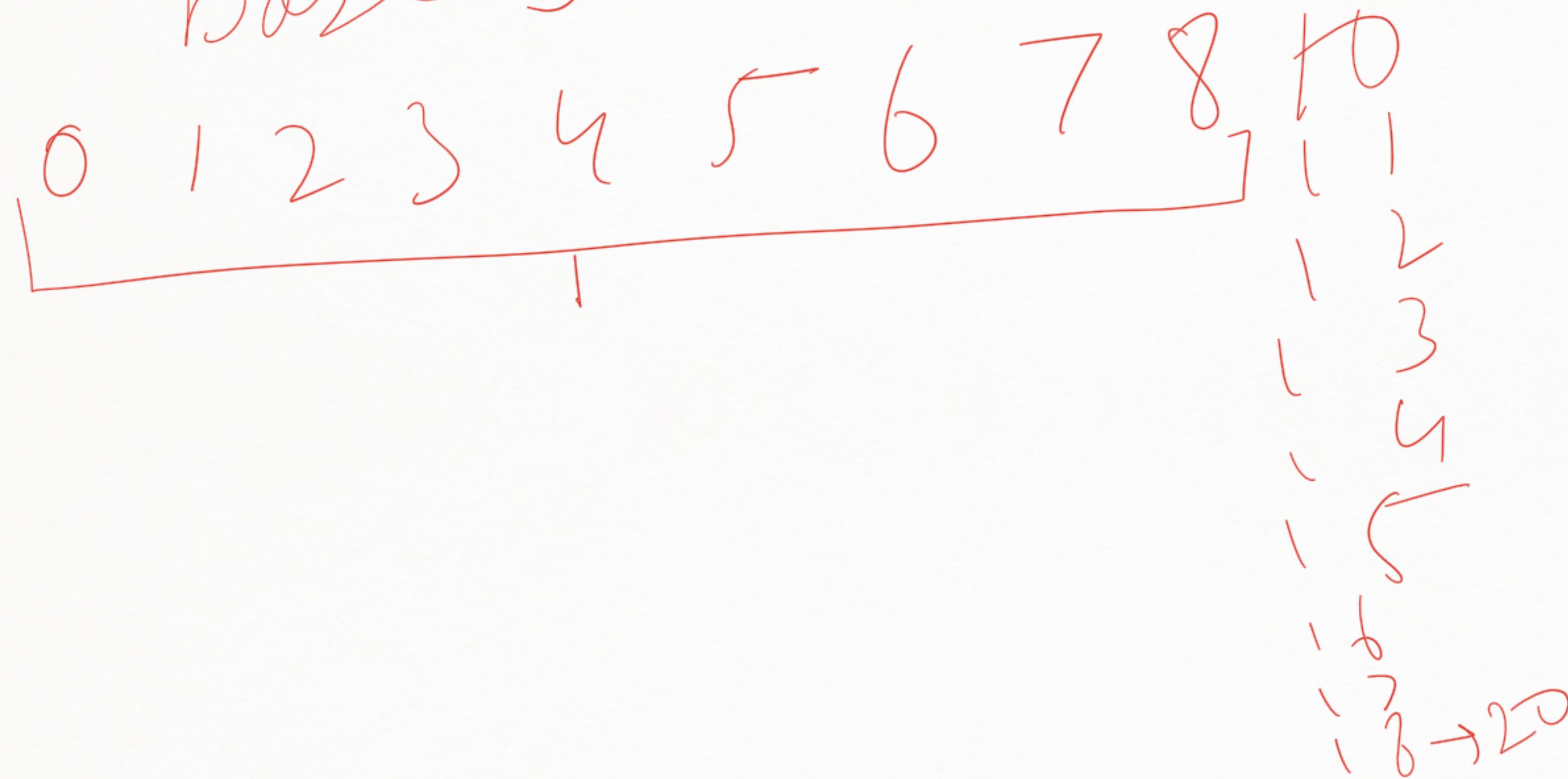


base 10 actually means
decimal no-sys.

0 1 2 3 4 5 6 7 8 9]

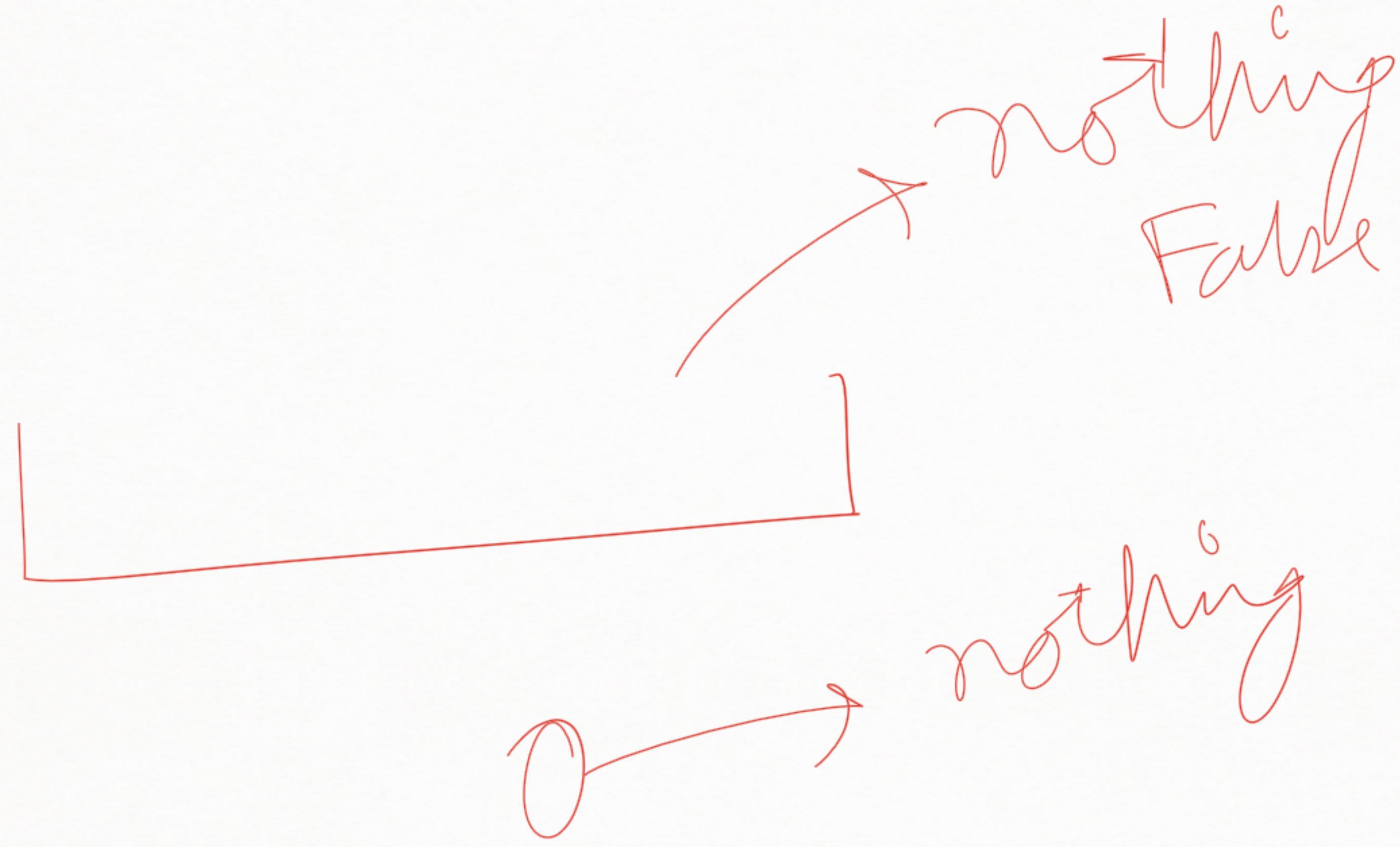
base 10

base 9



base 2 (Binary system)

0 - 1, 10, 11, 100, 101, 110, 111, 1000
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
0 1 2 3 4 5 6 7 8

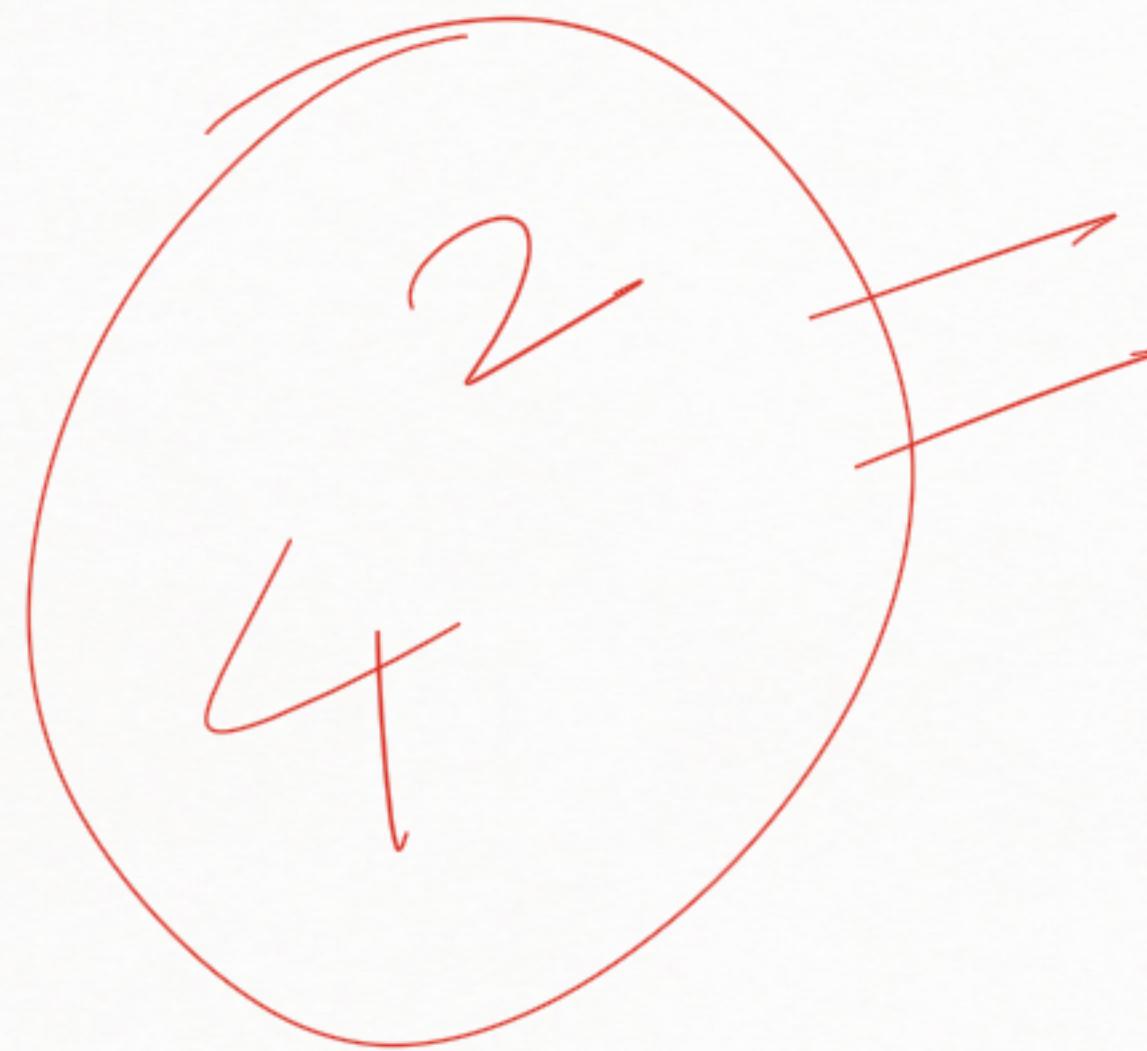


Look

→ something
↓
true

— 2 → something
— 100 ↓
true

$$2) \overline{)10} \quad (5) \leftarrow \text{quotient}$$
$$\cancel{10} \leftarrow \text{remainder}$$
$$(10\%)$$



$$4 \times 4 = 16$$

$$2/2 \rightarrow 1,0$$

$$10/1 \rightarrow 10,0$$

$$\text{Diagram showing } \sum_{n=0}^{\infty} 2^n = 10^{e^5}$$

The diagram illustrates the concept of a geometric series summing to infinity. On the left, a large circle contains a smaller circle, with a horizontal line segment passing through their centers. A radius of the smaller circle is labeled 10^0 . To the right, a horizontal line segment is divided into five equal segments by four tick marks. The first segment is labeled 2^0 , and the fifth segment is labeled 2^4 . Above this line, the expression $\sum_{n=0}^{\infty} 2^n$ is written, followed by an equals sign. To the right of the equals sign, the value 10^{e^5} is written.

and operator
val1 and val2 ← Syntex

val1	val2	OP	
True	True	Tr	
True	False	False	
False	True	False	
True	True	True	

