

arr.length - (i + 1)

$$5 - 1 = 4$$

$$5 - 2 = 3$$

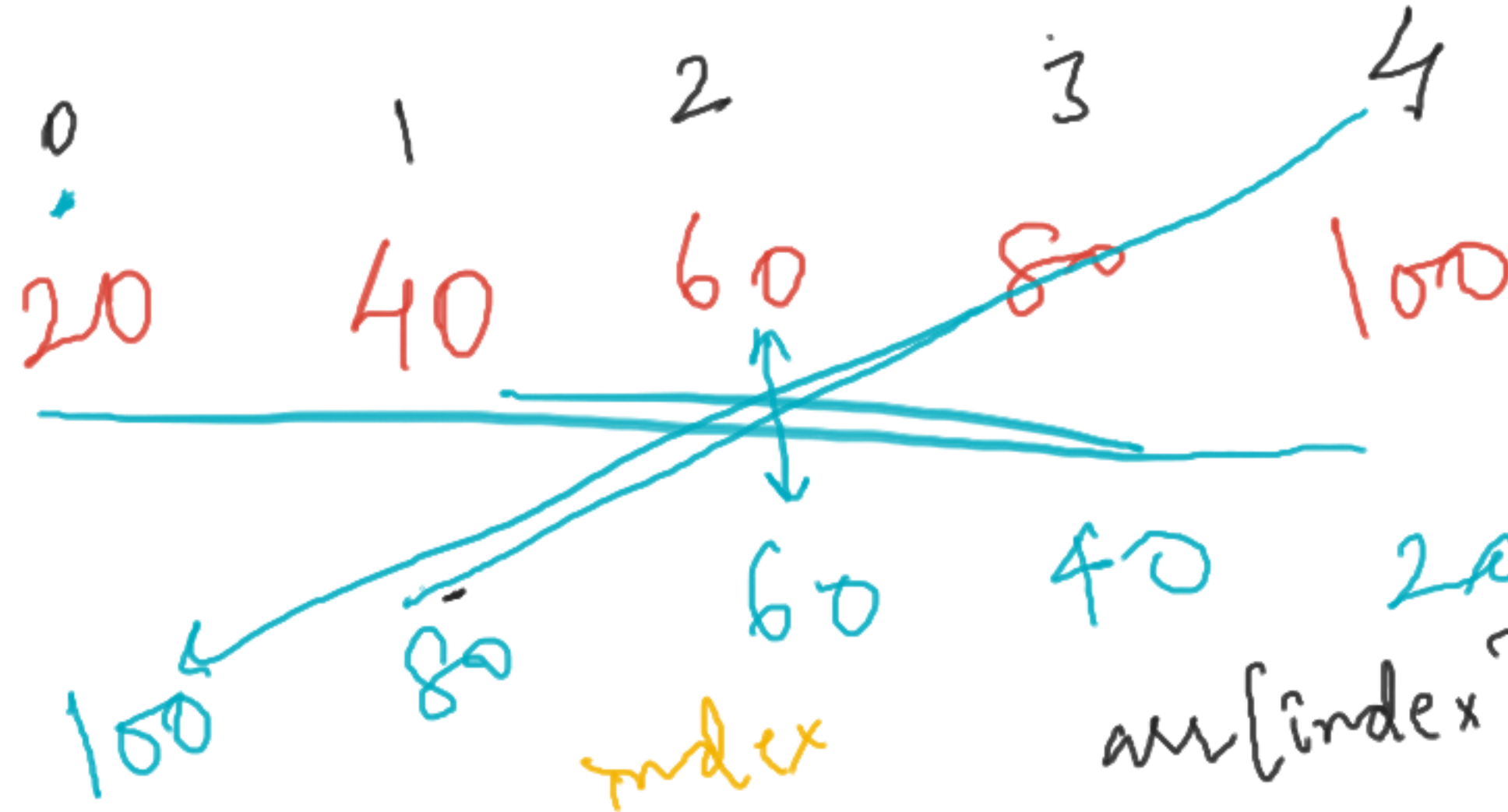
$$5 - 3 = 2$$

$$5 - 4 = 1$$

$$5 - 5 = 0$$

0 + 1 = 1
1 + 1 = 2
2 + 1 = 3
3
4

4
3
2
1
0



$$\text{arr}[\text{index}] = \text{arr}[\text{arr.length} - (\text{i} + 1)]$$

index
 $\text{arr}[0] = \text{arr}[4]$

$$\text{arr}[1] = \text{arr}[3]$$

$$\text{arr}[2] = \text{arr}[2]$$

$$\text{arr}[3] = \text{arr}[1]$$

$$\text{arr}[4] = \text{arr}[0]$$

temp = 20
↑

~~100~~
100

40

60

80

100

20

5 / 3

time

temp = 20
↑

~~100~~

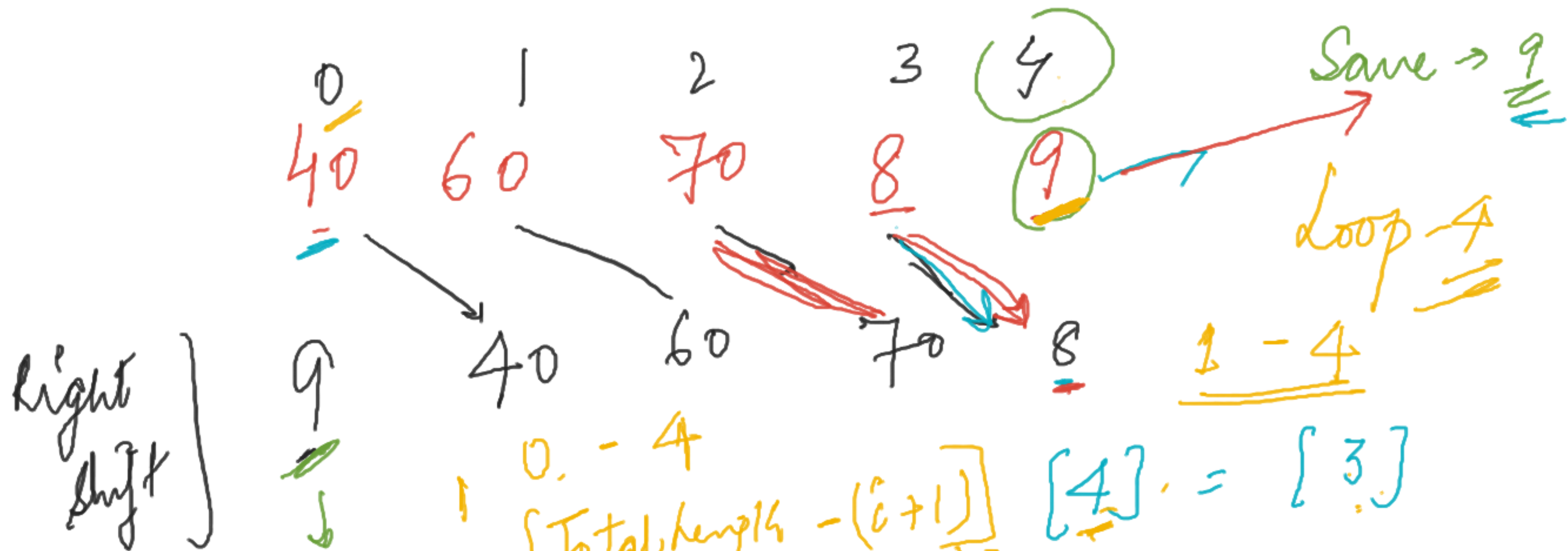
40

80

60

80

~~100~~



$$\frac{[Total\ length - (i + 1)]}{5} = \frac{[4 - (0 + 1)]}{5}$$

$$[4] = [3]$$

$$\begin{array}{l} [3] \\ [2] \\ [1] \end{array} \quad \begin{array}{l} [2] \\ [1] \\ [0] \end{array}$$

Last = (Size - 1)

Index temp = arr [last Index]

$$i = 0, \quad \leftarrow \underline{4}$$

$$4 - i = \underline{4}$$

$$4 - 1 = \rightarrow \underline{3}$$

$$4 - 2 = \rightarrow \underline{2}$$

$$4 - 3 = \rightarrow \underline{1}$$

$$4 - 1$$

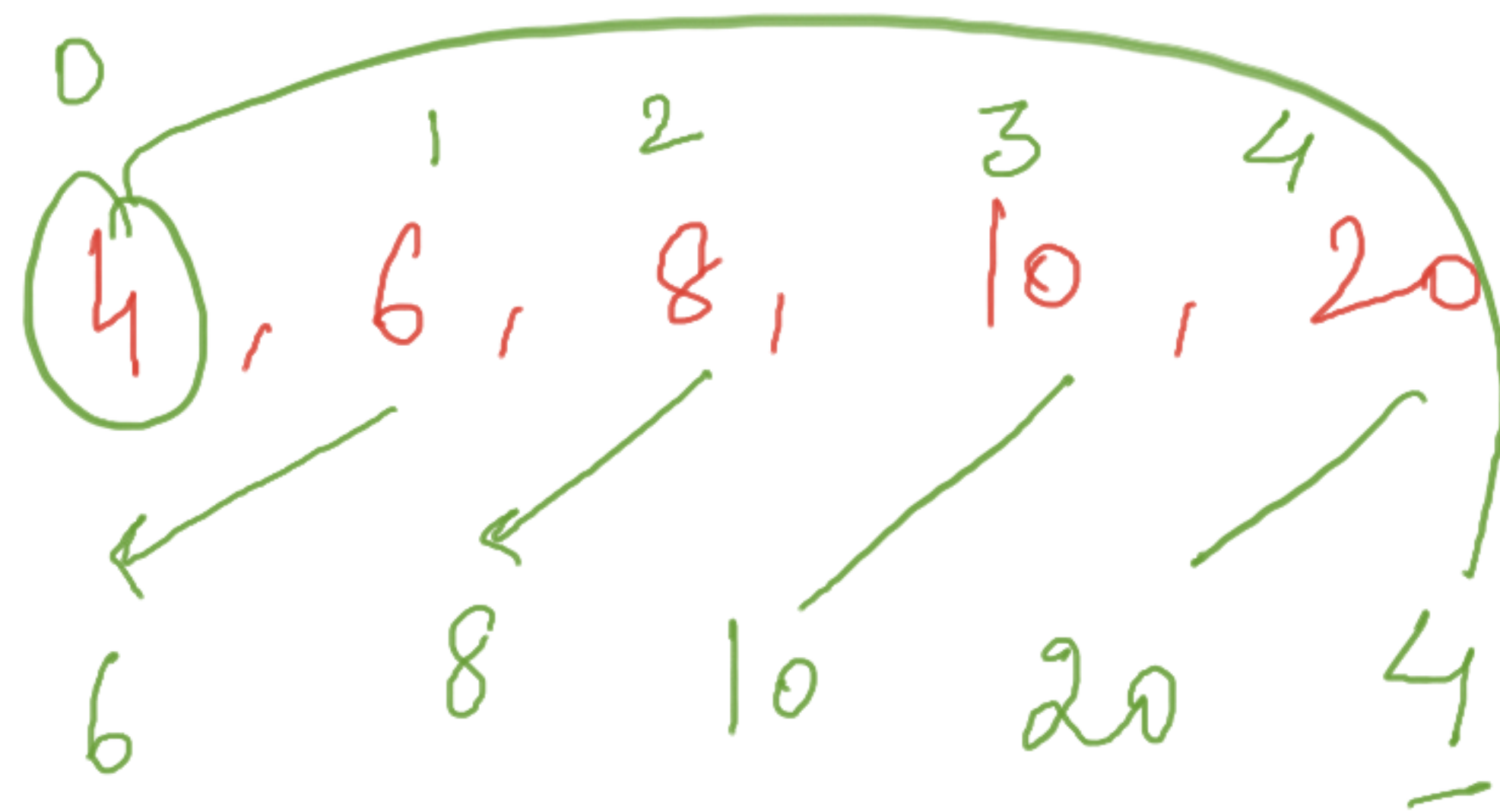
$$\underline{3} \quad (4 - (0 + 1)) \quad \text{last index}$$

$$4 - 2 \quad \underline{2} \quad (4 - (1 + 1)) \quad \text{HLE} - 1$$

$$4 - 3 \quad \underline{1} \quad [\quad \quad \quad] \quad \text{5 1}$$

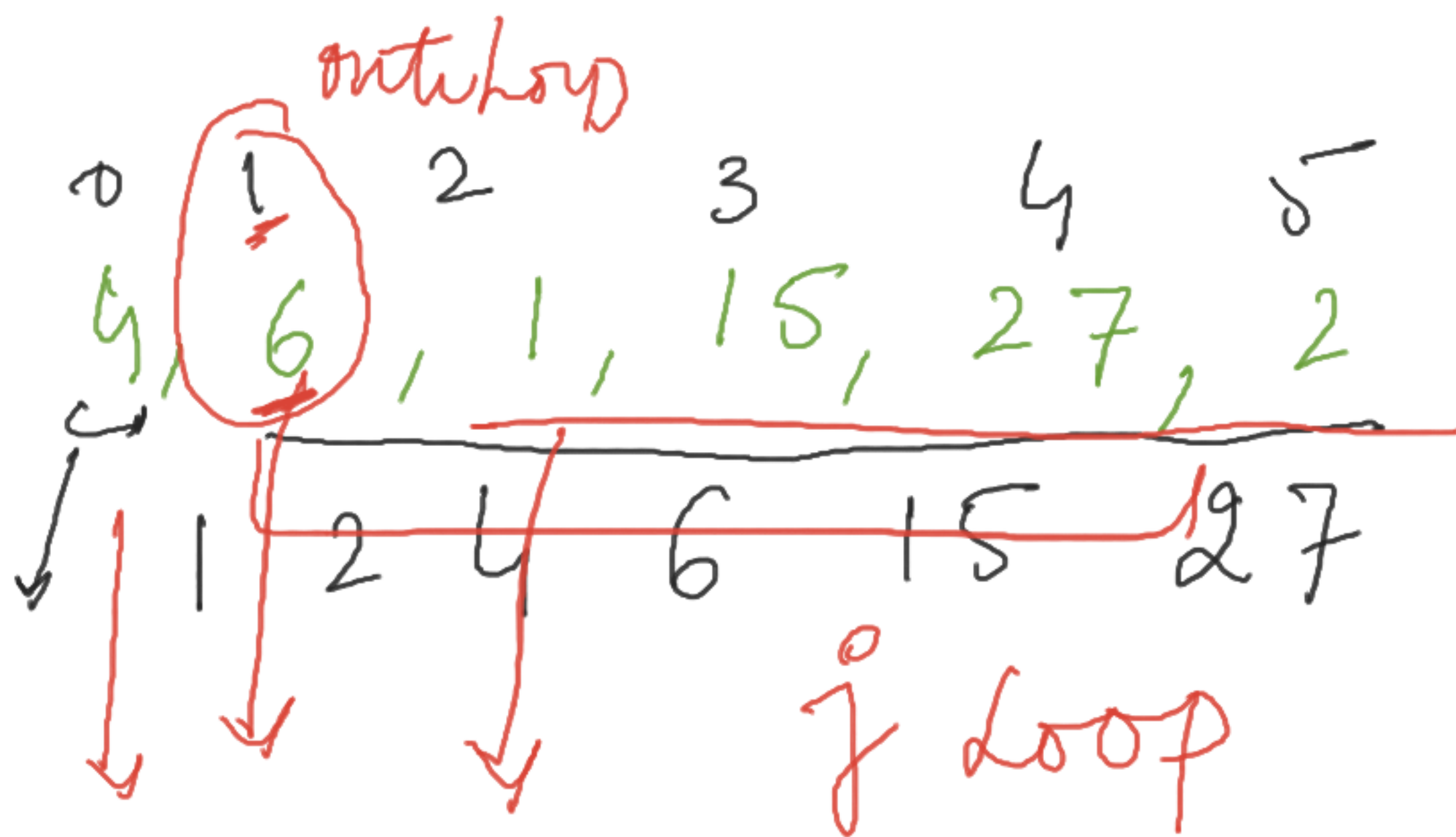
$$4 - 4 \quad \underline{0}$$

$$\underline{4}$$



Sorting
=

2 loop



4 → 6

4 → 1 → 4

Loop \rightarrow How many times \rightarrow No of elements
order \rightarrow time

Index \rightarrow Comparison

Array Elements { 1, 2, 3, 4, 6, 8, 9, 13

count { even Numbers \rightarrow 4
odd Numbers \rightarrow -

Left Shift

Descending

Search Array element its index No.

12, 34, 68, 98

34

Array user's I/P
Elements

Search element
↳ user I/P

Yes, Available →

Index No.

No