

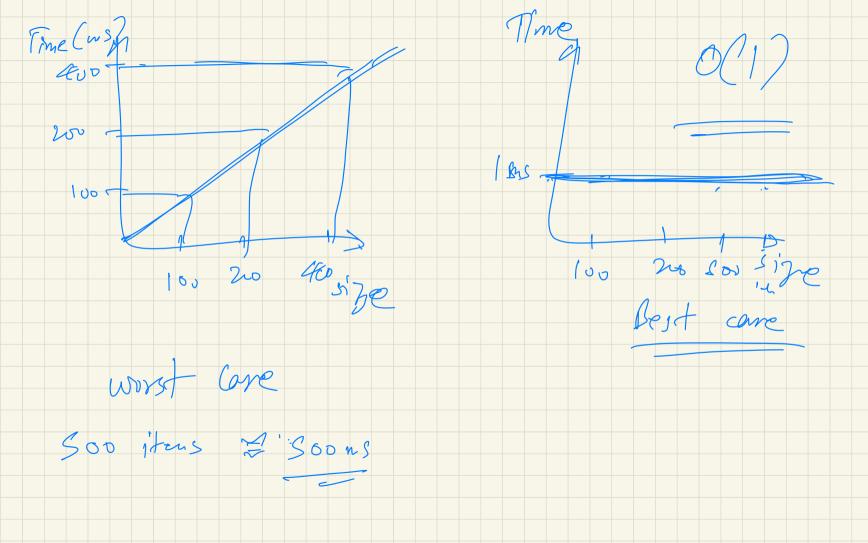
If no value found, return -1. Time Complexity: Best: O(1) // Constant Worst Case: O(N)

N => Size of array

How many checks will the loop make in pest case i.e. element found at or index.? om = (8, 9, 12, 18, ... 200 element) torget= 8 1 companison in hest care, an is now of size I lable.

mr = [ (8), 12, 9, 7, ... I lesch it engl

target = 18 answer = only 1 carp assor make. worst com: You don't find the target item. iterate / go though every item and then in the end it says I did not find it. Size of ornay = 100 = Ou Comparations = (our 200 compers, ~= 200mg 1 lephs = 10000. lelen ->



 $avr = \begin{bmatrix} 1 & 1 & 2 & 3 & 4 & 5 \\ 1 & 1 & 2 & 3 & 14 & 28 \end{bmatrix}$ Q: Search for 3 in the range of indek[1,4] O. Find min element in the array.

= 18, 12, -7, 3, 14, 28] M 14

our = [0, 2, 3] [9, 18, 5] E6, 7, 14] mak -219748364P

for (row=0; row < len(um)
rown++)? for (c=0; c \ lan(r),
c+x) } if (arr[v][2] == forget)
//Jund oms

$$am = \begin{bmatrix} 1 \\ 2 \end{bmatrix}, \begin{bmatrix} 3 \\ 4 \end{bmatrix}$$

oms = 
$$\begin{bmatrix} 2 \times 3 \times 4 & 1 \times 3 \times 4 & 1 \times 2 \times 4 \\ 1 \times 3 \times 4 & = 2 + 4 \end{bmatrix}$$
  
total =  $\begin{bmatrix} 1 \times 1 \times 3 \times 4 & = 2 + 4 \\ 2 \times 4 & = 2 + 4 \end{bmatrix}$ 

$$ans = \begin{bmatrix} 24 & 24 & 24 \\ 1 & 2 & 3 & 4 \end{bmatrix}$$

 $om = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \end{bmatrix}$ oms 1x 2x 8x.4

Find no. of nos. That have even no. of digits. nums = [18], 124, 9, (74), 98, 1 White (n >0) } word to (1) Count the no of digits n= u/(0 (2) Chouvert 1764 => "1764" Have the length West = 8 1 2 2 4

