

Search in string

string='Leet code'

target='C'

0 1 2 3 4 5 67 L et code L+c e+c e+c t+c c=c L+c e+c e+c t+c c=c

0 1 2 3 4 5 6 7

10 3 7 14 19 15 11 7

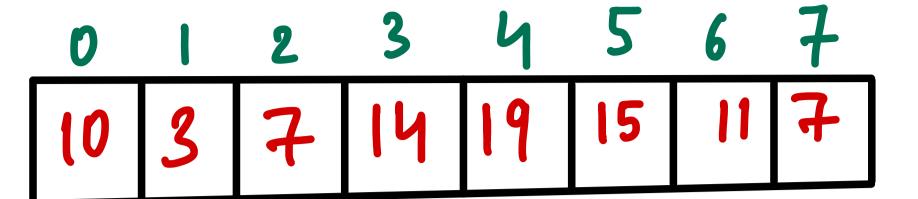
$$target = 11$$
 $start = 2$ 
 $end = 5$ 

0 1 2 3 4 5 6 7

10 3 7 14 19 15 11 7

 $7 \neq 11 \mid 14 \neq 11 \mid 19 \neq 11 \mid 15 \neq 11$ 

### Find maximum



maxm > 10

1=)

3410

maxm: 10

i= 4

19>14

maxm: 19

1=7

7619

maxm: 19

1-2

7410

maxm: 10

1=5

15<19

maxm: 19

= 3

14710

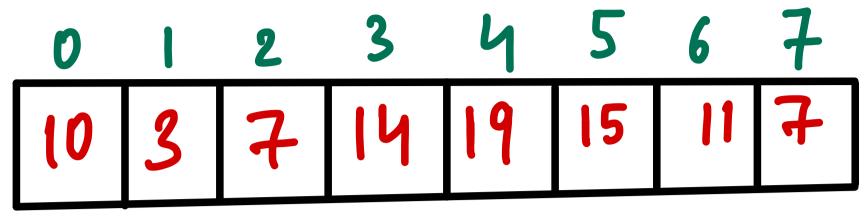
maxm: 14

i=6

112 19

maxm: 19

# Find minimum



minm = 10

1=1

10>3

minm: 3

i=4

miam: 3

1=7

347

minm: 3

1=2

347

minm:3

1=5

3415

minm:3

= 3

3 < 14

minm:3

1=6

3211

minm: 3

Search

1 20

array

```
0 1 2 3
0 23 4 1
1 18 12 3 9
2 78 99 34 56
```

target = 10

```
Take oth row

23 4 1

Apply linear search on oth row and

Check 10 is in the row or not-
```

```
Take 1st row

O 1 2 3

18 12 3 9

Apply linear search on 1st row and

Check 10 is in the row or not-
```

> Refurn (-1,-1)

#### Find a number with Even numbers of digits

12 345 2 6 7896

-> Return 2 (ONLY 12 & 7896 has even digits)

- HOW to count digits in number. 12 -> has 2 digits e 9. 345 > has 3 digits
  - one way is to convert each digit in string check length of the string if its even in crease the counter.
  - Another way is to number 7896 by 10 (Hoor divison) Let's say we have Keep dividing the number
    - -> 7896//10 -> 789 O 789//10 -> 78 6 78 1/10 > 7 (5) + has 4 digits 71110 ->0 (9)

It takes 4 steps to reach 0. hence

## Richest

### cus to me r

_					
	2			-) sum: -> (3) Return	17
	7	l	3	-> sym! -> 11	
	1	9	5	-> sum! -> 15	

Initially maxm=0

ROW = 0

Sum(2,8,7)=17 17>maxm: update maxm=17 ROW = 1

Sum(7,1,3) = 13  $13 \leq max m$ : max m = 17 ROW = 2

Sum(119,5)=15 15< maxm maxm=17