5 May

05 May 2022 21:11

Prime Numbers -

2, 3, 5, 7, 11, 13, 17, 19, 23, 29 ...

n = 17

↳ 2 - n-1 = 16

n = 17 n/2 17 16 ≤ 1/2

```
for(i=2 to n-1) {
    if(n%i==0) {
        return false;
    }
}
return true;
}
```

2, 4, 8

2, 4

105

3, 5, 7, 15, 21, 35

n = 100 | √n = 10

for(2 to √n)

Inverse a number -

7315422 =>

2245137

① First consider it as a number

② Consider it as an array

[2, 2, 4, 5, 1, 3, 7]

n, 64, 53, 12

27, 64, 53, 12

27, 64, 53, 12

Rotate a number

3 7 5 1 2 , k = 2635

3 3 7 5 1

3 7 5 1 2 => 2 3 7 5 1

2 3 7 5 1

(1) 2 3 7 5 1

(2) 1 2 3 7 5

(3) 5 1 2 3 7

(4) 7 5 1 2 3

(5) 3 7 5 1 2

K % as long

20 % 5 = 2

5 − 1 = 4

i < 4

III

4 1 2 3 5 6

I

(1) 3 2 1 4 5 6

(2) 3 2 1 4 6 5

(3) 5 6 4 1 2 3

$k + (n - k) + n = 2n$

10^5

$k = 2$ $k = (10^5) - 1$ $2 \times 10^5 < (10^5 \times 10^5) - 1$

$k \times n$

5 6 4 1 2 3

[3, 2, 1, 4 , 6, 5] => 5, 6, 4, 1, 2, 3

https://leetcode.com/problems/rotate-array/