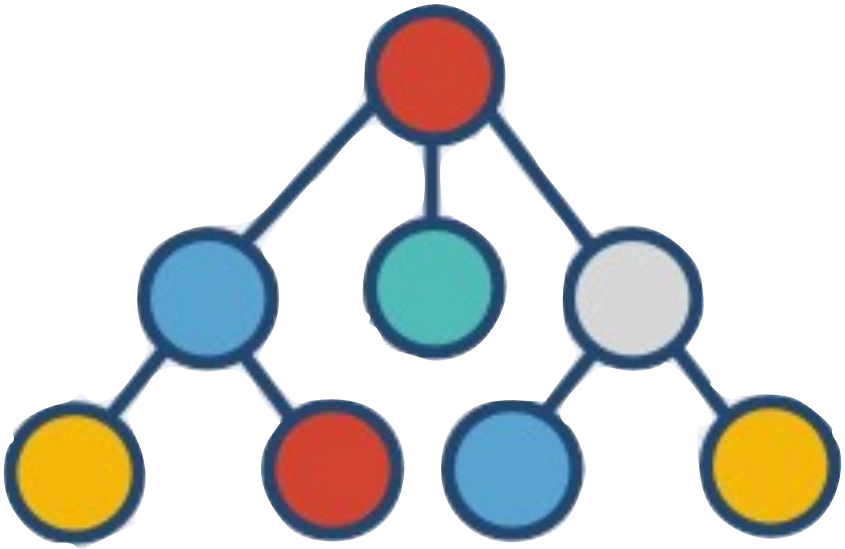
DATA STRUCTURE & ALGORITHMS



(By Prince Agarwal)

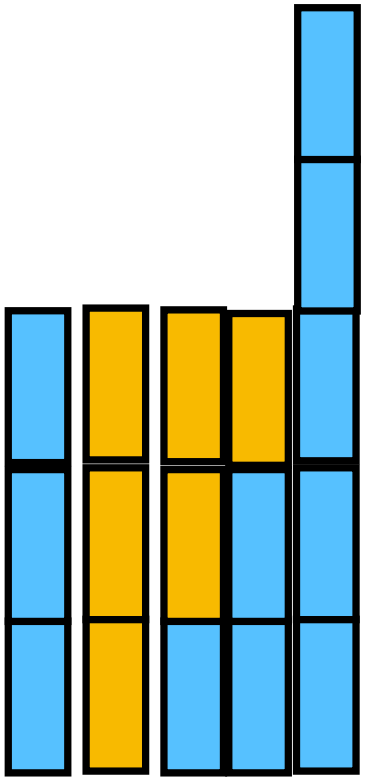
(“HELLO WORLD”)

LEETCODE

Trapping Rain Water

3	0	1	2	5

N = 5



Hello world

LEETCODE

Trapping Rain Water

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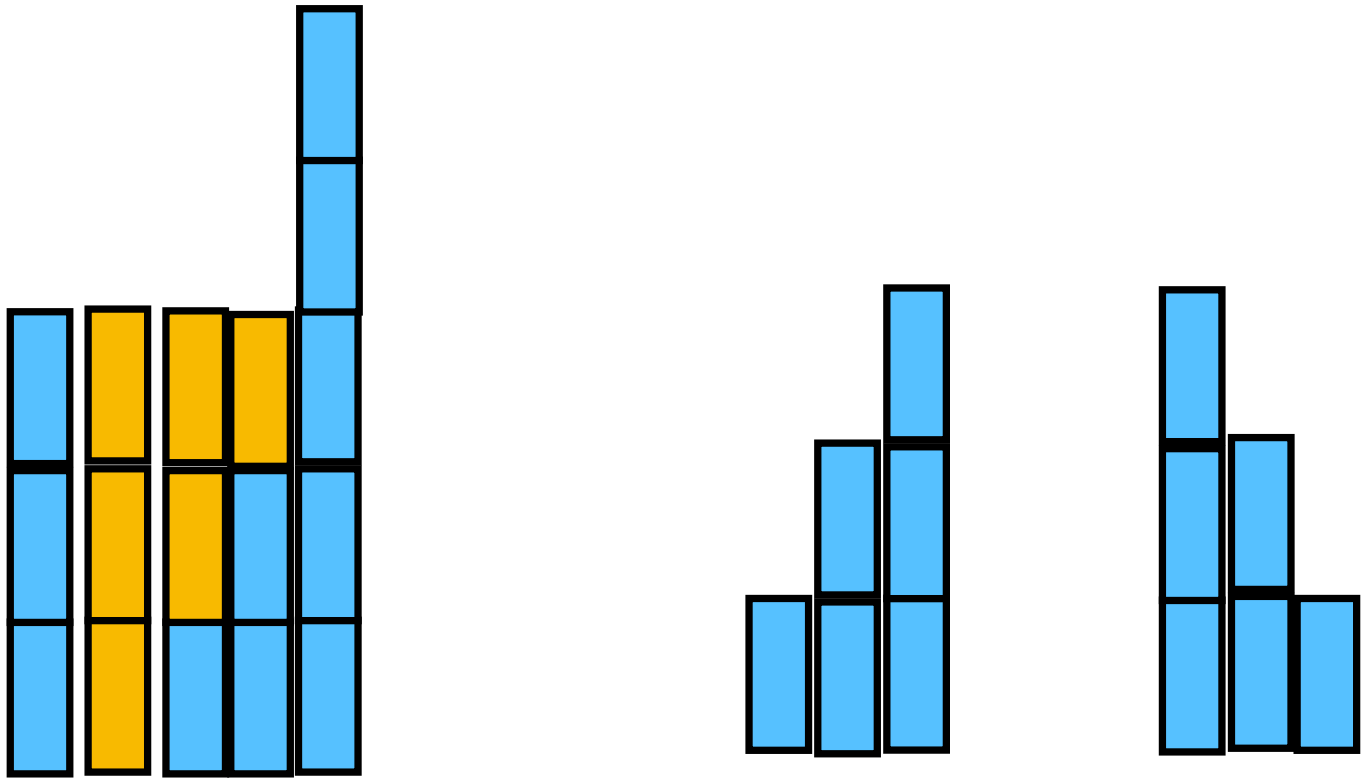

Hello world

LEETCODE

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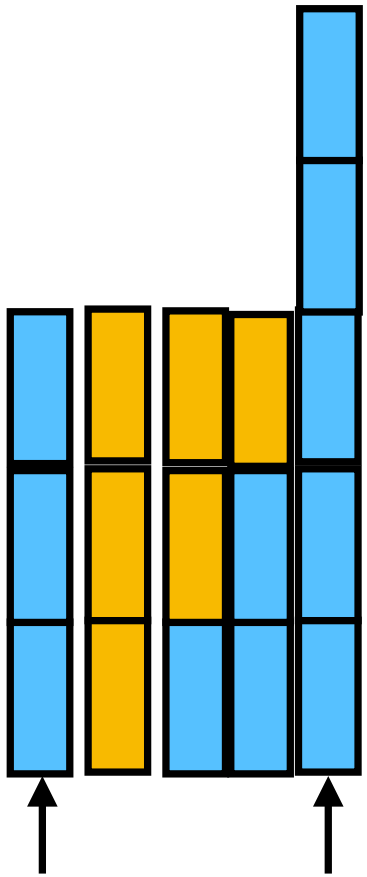
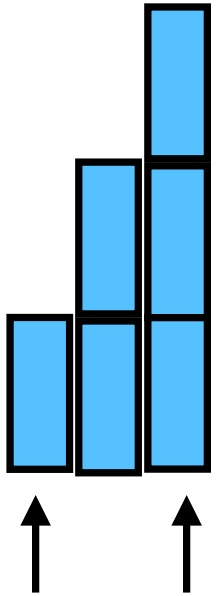
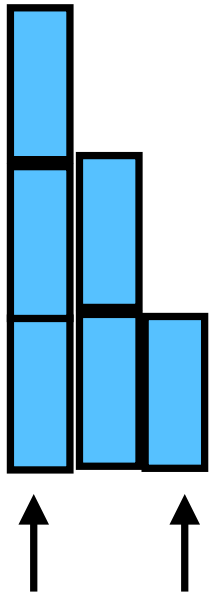


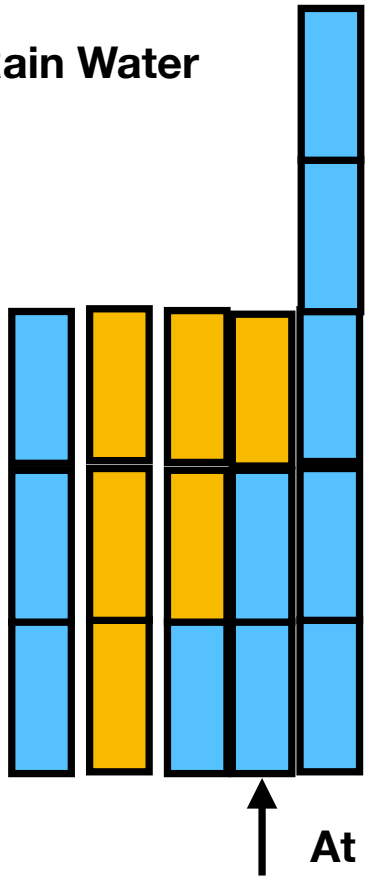




Hello world

LEETCODE

Trapping Rain Water



3	0	1	2	5

N = 5

Lmax or rmax

(Left maximum or right maximum)

Lmax = 3

rmax = 5

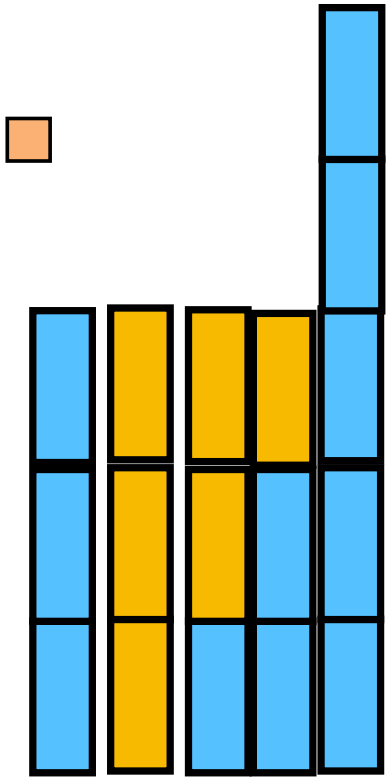
Min (lmax, rmax) = 3

3 - arr[i] // 3-1 = 2

At particular index Water stored is = Min (lmax, rmax) - arr[I]

Hello world

LEETCODE



Trapping Rain Water

```
int trappingWater (int arr[], int n)
{
    int water = 0;
for (int i=1 ; i<n-1 ; i++)
{
    int lmax = a[i];
for(int j=0 ; j<i ; j++)
    lmax = max(lmax , arr[j]);

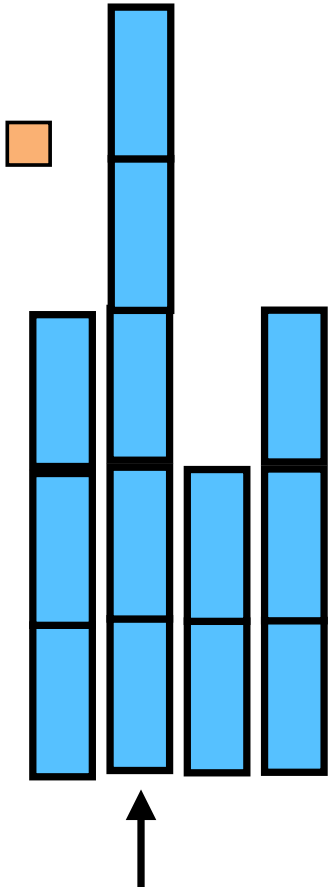
    int rmax = arr(i);
for(int j= i+1; j<n ; j++)
    rmax = max (rmax , arr[j]);

water = water + (min(lmax, rmax))
                - arr[i]

}
return water;
}
```


Hello world

LEETCODE



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for (int i=1 ; i<n-1 ; i++)
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for( int j=0 ; j<i ; j++)
    lmax = max (lmax , arr[j]);

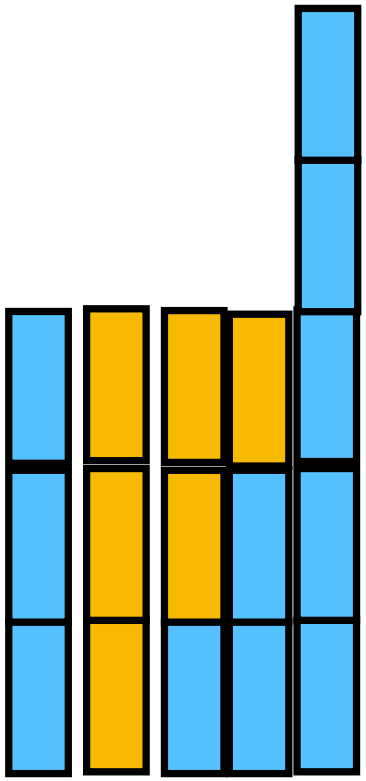
    int rmax = arr(i);
for( int j= i+1 ; j<n ; j++)
    rmax = max (rmax , arr[j]);

water = water + (min (lmax, rmax))
                - arr[i]

}
return water;
}
```


Hello world

LEETCODE



3	0	1	2	5

Lmax

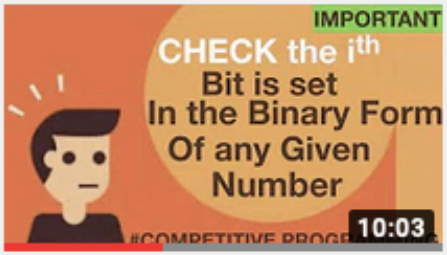
3	3	3	3	5

Rmax

5	5	5	5	5

At particular index Water stored is = Min (lmax, rmax) - arr[I]

Hello world



Check the ith bit is set, in the binary form of given numbe...

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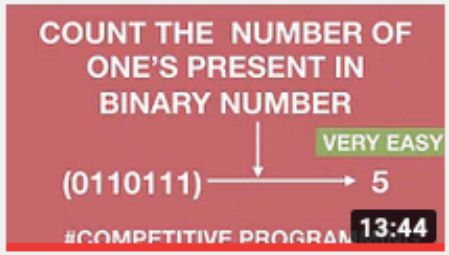

Count the number of one's in binary representation of...

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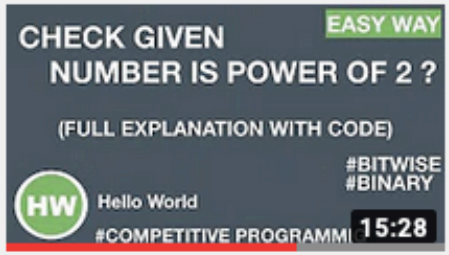

Check a given number is power of 2 | Bitwise operato...

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Left shift and right shift bitwise operator ||...

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Bitwise Operators | AND | NOT | OR | XOR || Competitiv...

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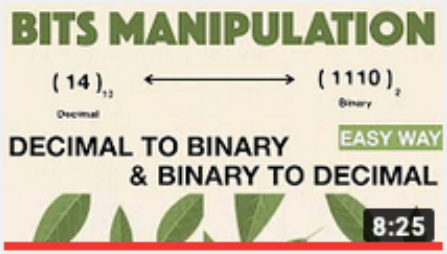

Bits Manipulation | Decimal to Binary | Binary to Decimal...

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Program of Two vs Ten Codechef - TWOVSTEN ||...

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Program of chef and his daily routine - CHEFROUT ||...

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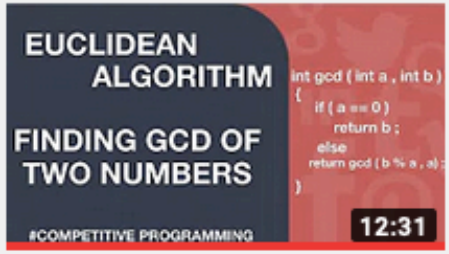

Euclidean algorithm for finding GCD of 2 numbers ||...

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Sieve of Eratosthenes -part 1 || Competitive programming...

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Program and concept of prime numbers. ||...

2.1K views • 1 year ago

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problem of Fancy Quotes || getline( ) in strings --FANCY...

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Concept of Handling the String related problems -...

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