


**SNACK
DOWN21**

Round 1B

29 OCT 21:00 IST to 31 OCT 21:00 IST

[Compete Here](#)
[Home](#) » [Compete](#) » October Challenge 2021 Division 3 (Rated)



CODECHEF
OCT LONG CHALLENGE

STARTS ON: 1 OCT 2021 15:00 IST
ENDS ON: 11 OCT 2021 15:00 IST

ⓘ This month's Long Challenge will be Rated only for Div 3

Scorable Problems for Division 3

🚩 Name	🚩 Code	▼ Successful Submissions	🚩 Accuracy
Which Mixture	✓ MIXTURE	21002	64.46
Three Boxes	✓ THREEBOX	17319	38.06
Longest AND Subarray	✓ ANDSUBAR	10111	38.68

Contest Ended

Have a look at our upcoming contests:

Contest	Date	Duration
NOV21	5th Nov 2021 03:00 pm IST	10 Days
STRF2021	28th Oct 2021 03:00 pm IST	1 Hrs

[see more](#)

 Want to try the problems of this contest or similar ones? Visit our [Practice Section](#)

Contest Ranks

 Your Rank: 7088
Score: 300

✓ Solution | Problem: [MIXTURE](#) | Contest: [OCT21C](#) | User: [cs16_190031920](#)

Language: JAVA



04-10-2021 14:39:53 | 25 Lines | 0.07 sec | 2133M | Score: 100(100pts)

```
1
2 // Which Mixture
3 import java.util.Scanner;
4
5 class Solution {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int num_of_cases = sc.nextInt();
9         while (num_of_cases-- > 0) {
10             int a = sc.nextInt();
11             int b = sc.nextInt();
12             boolean isSol = false;
13             if (a > 0 && b > 0) {
14                 System.out.println("solution");
15                 continue;
16             } else {
17                 if (b == 0) {
18                     isSol = true;
19                 }
20             }
21             System.out.println(isSol ? "Solid" : "Liquid");
22         }
23         sc.close();
24     }
25 }
```

Sub-task Info

Sub-Task	Task #	Result (time)
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✓ Solution | Problem: [THREEBOX](#) | Contest: [OCT21C](#) | User: [cs16_190031920](#)

Language: JAVA



08-10-2021 11:13:33 | 22 Lines | 0.10 sec | 2133M | Score: 100(100pts)

```
1 import java.util.Scanner;
2
3 class threeBoxes {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         int num_of_cases = sc.nextInt();
7         while (num_of_cases-- > 0) {
8             int a = sc.nextInt();
9             int b = sc.nextInt();
10            int c = sc.nextInt();
11            int d = sc.nextInt();
12            if (a + b + c <= d) {
13                System.out.println("1");
14            } else if (a + c <= d || b + a <= d) {
15                System.out.println("2");
16            } else {
17                System.out.println("3");
18            }
19        }
20        sc.close();
21    }
22 }
```

Sub-task Info

Sub-Task	Task #	Result
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✓ Solution | Problem: [ANDSUBAR](#) | Contest: [OCT21C](#) | User: [cs16_190031920](#)

Language: JAVA



08-10-2021 11:23:35 | 27 Lines | 0.97 sec | 2133M | Score: 100(100pts)

```
1 import java.util.Scanner;
2
3 class LongestANDSubarray {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         int num_of_cases = sc.nextInt();
7         while (num_of_cases-- > 0) {
8             int n = sc.nextInt();
9             if (n == 1) {
10                 System.out.println("1");
11                 continue;
12             }
13             int temp = 1;
14             while (temp * 2 <= n) {
15                 temp *= 2;
16             }
17             int sub = n - temp + 1;
18             if (n == temp) {
19                 System.out.println(temp / 2);
20             } else {
21                 System.out.println(Math.max(sub, temp / 2));
22             }
23         }
24     }
25     sc.close();
26 }
27 }
```

Sub-task Info

Sub-Task	Task #	Result (time)
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