Alice In is always

HW_Distribute Candies

```
public int distributeCandies(int[] candyType) {
    HashSet<Integer> hs = new HashSet<>();
    for(int i=0;i<candyType.length;i++){
        if(hs.add(candyType[i]));
    }
    return Math.min(candyType.length/2,hs.size());
}</pre>
```

E1,2,3,4,5 Deletion

Queue - 100 Jama 1-3, 5

Cobbe es Snot



FIFO

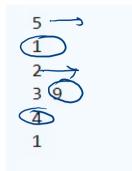
Toll plaze Cines (FIF TICK PI PZ PBJ Morantist - Class Stack ___ Class Mashmat _____ Class uasnet - Class Quere __> X (Interbace)

Arralziciass ArrayList<Integer> arr = new ArrayList<>(); Queue Queue<Integer> que = new LinkedList<>(); Arrapenue Linked List methods Insertion Hadd | push 1 Deethon - poll/remove get top element - Pee u

11213 / 415 Front=01 FON () & brown ++; 8 -1 (5) 8 -1 (3)

an co3

(2/3)4/5 int val = } 988 [rear +1] = valj 8008711/



- 1. Declare an Empty $queue\ s$.
- 2. Take Single Integer T as input.
- 3. For next T Lines format (case, x(optional))
- ullet case $1.\ Print$ the size of the queue in a separate line.
- case 2. Remove an element from the queue. If the queue is empty then print -1 in a separate line.
- ullet case $3.\ Add$ Integer x to the $queue\ s.$
- case 4. Print an element at the front of the queue. If queue is empty print -1 in a seperate line.

while(+->0) \$



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

AT TO THE TO

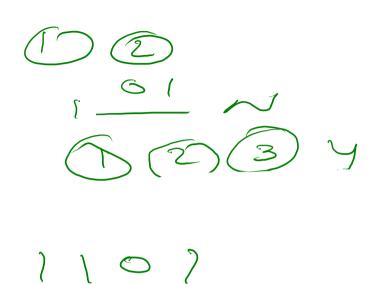
rear Inscriso

zear

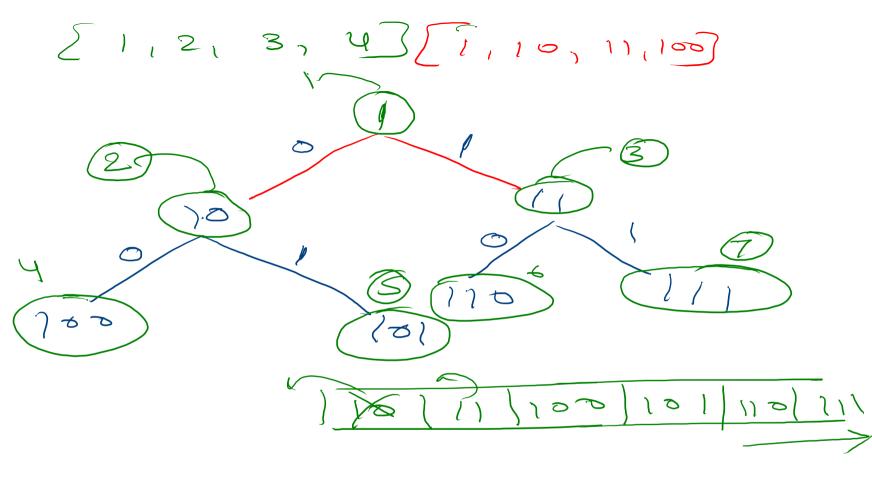
4

Sample Output 0

1 10 11 100



Sty +0+ 2 =



Print Binary

```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
7 public class Solution {
9
       public static void main(String[] args) {
10
           /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
           Scanner sc = new Scanner(System.in);
11
12
           int n = sc.nextInt();
13
           for(int i=1;i<=n;i++){
               String s = Integer.toBinaryString(i);
14
               System.out.print(s+" ");
15
16
17
18
19 }
```