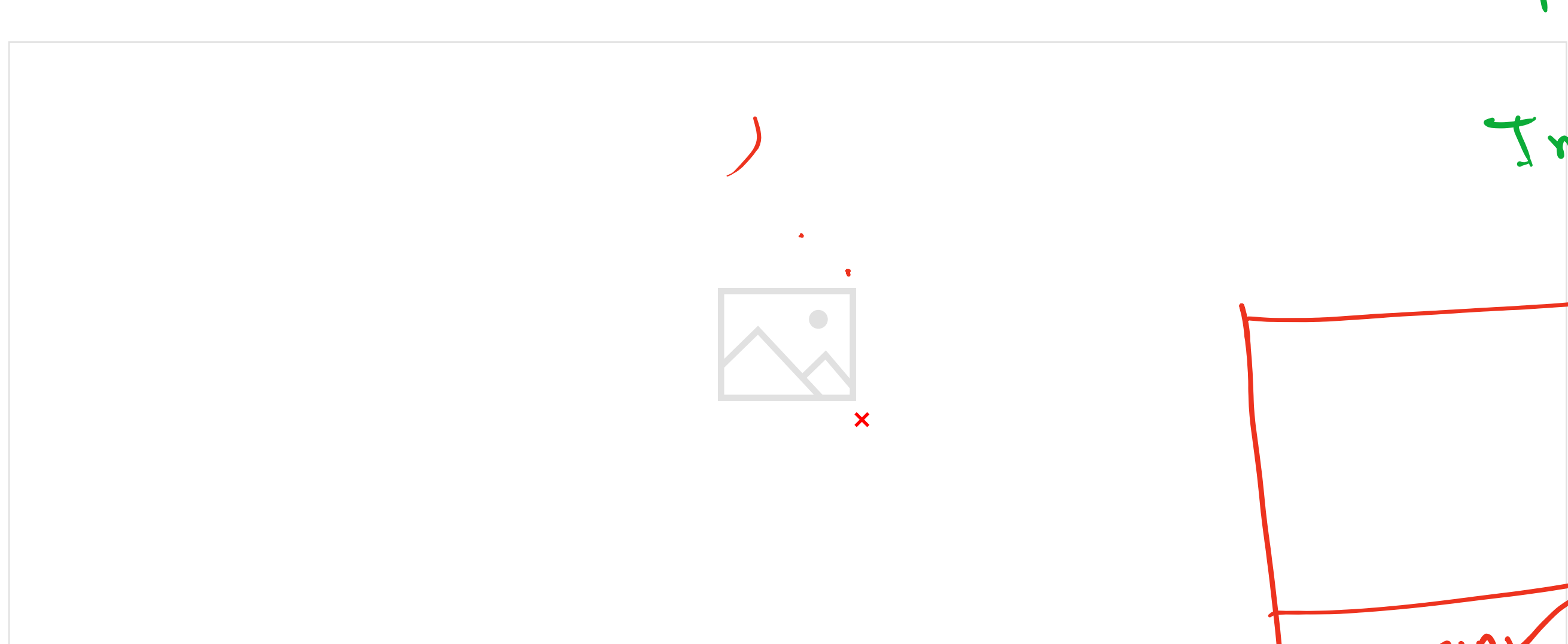


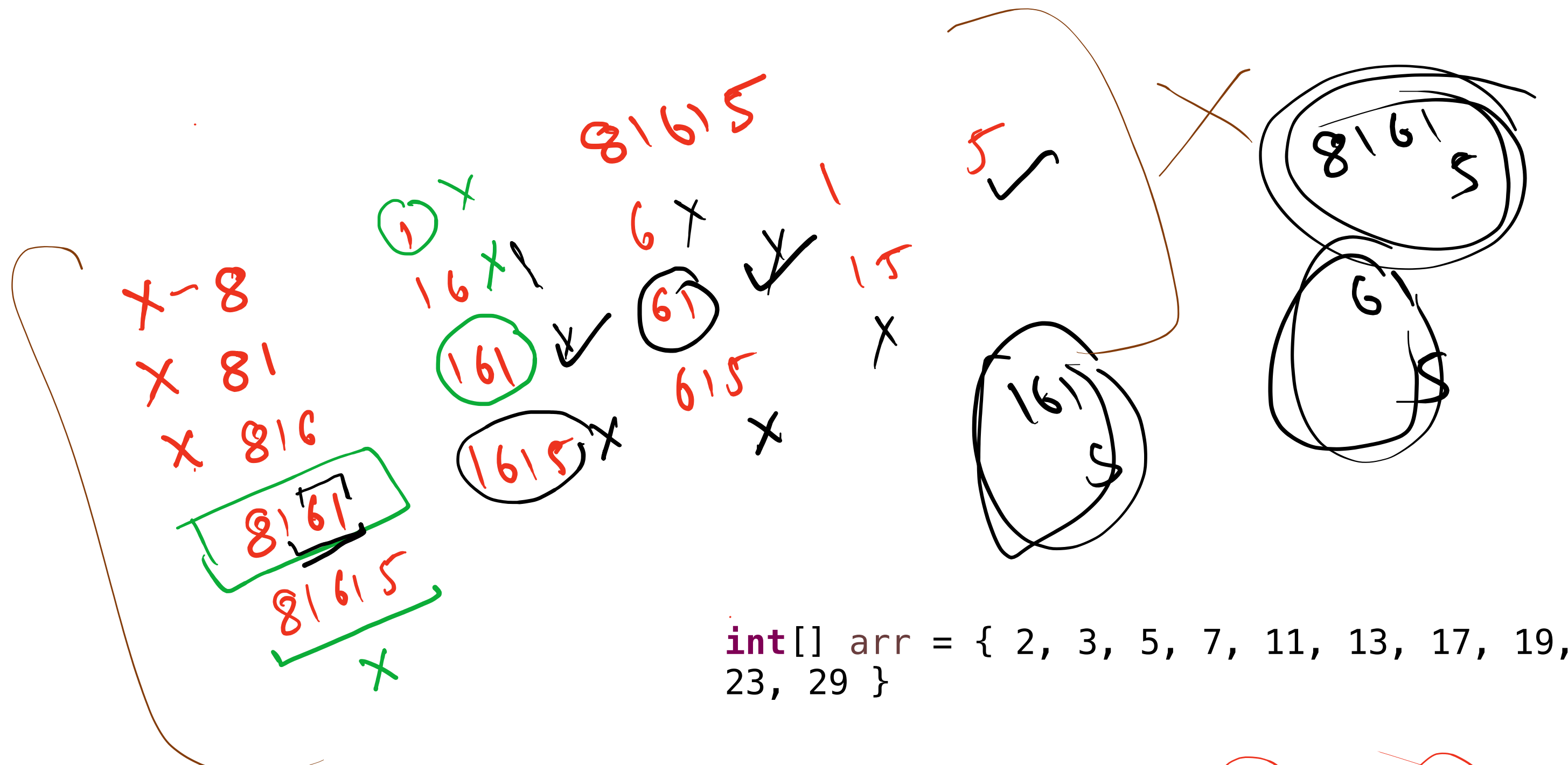
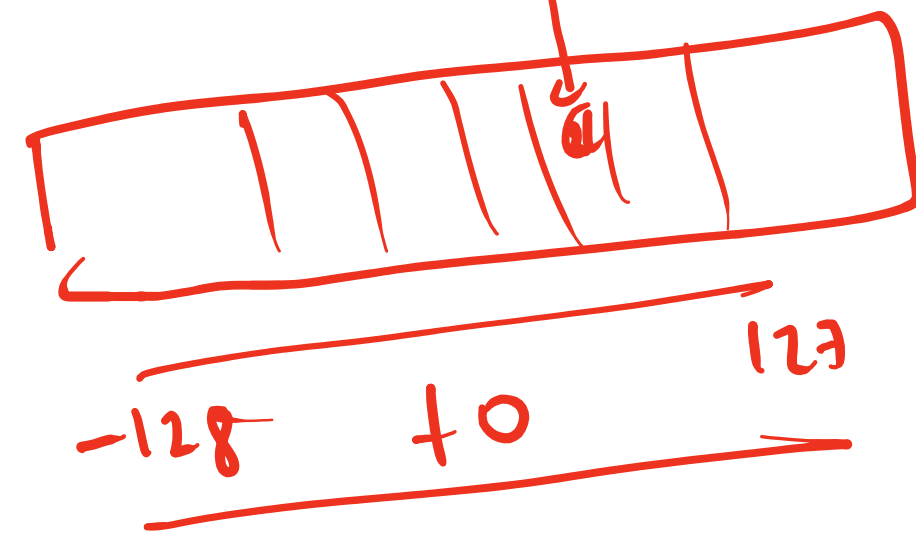
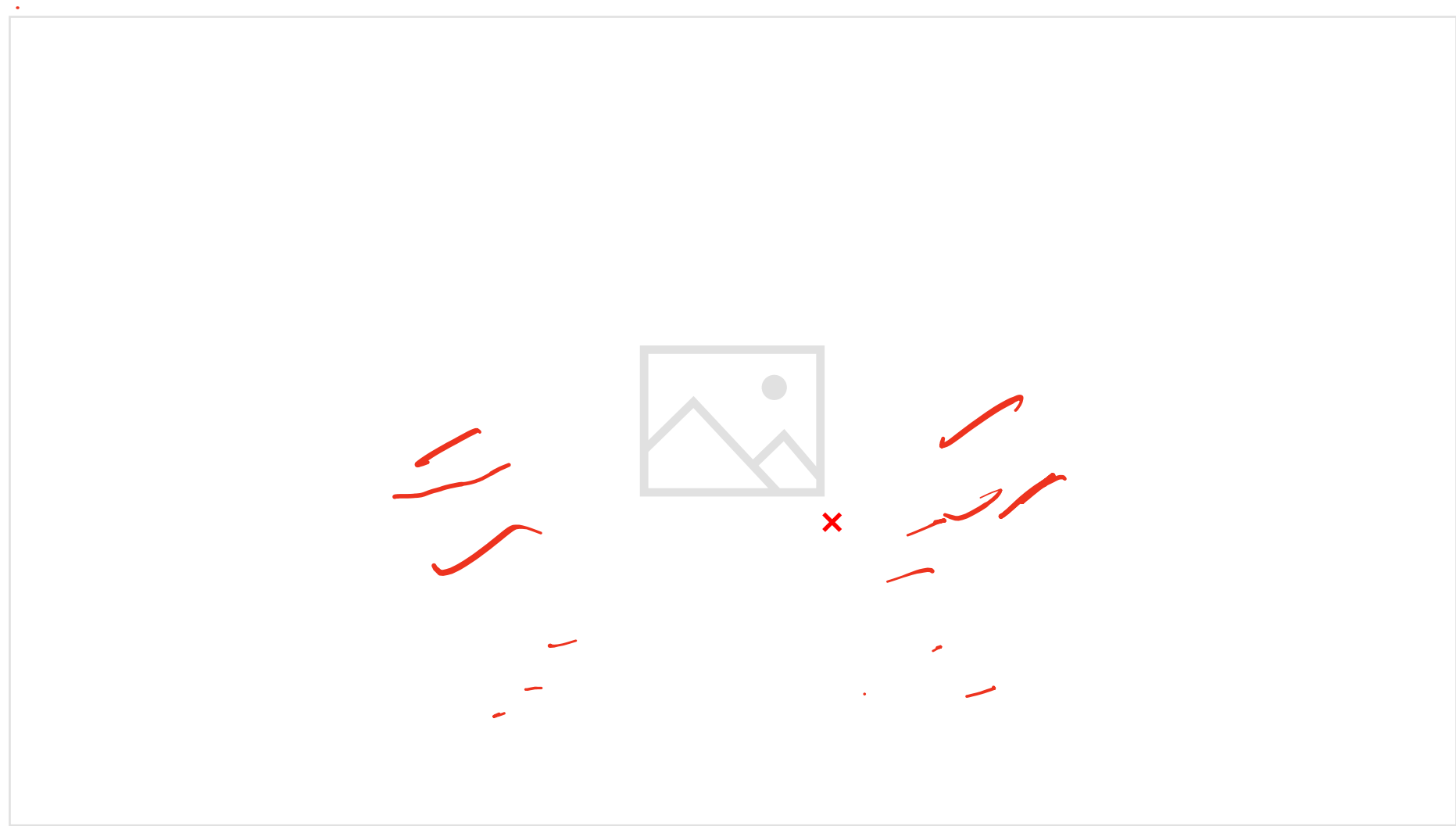
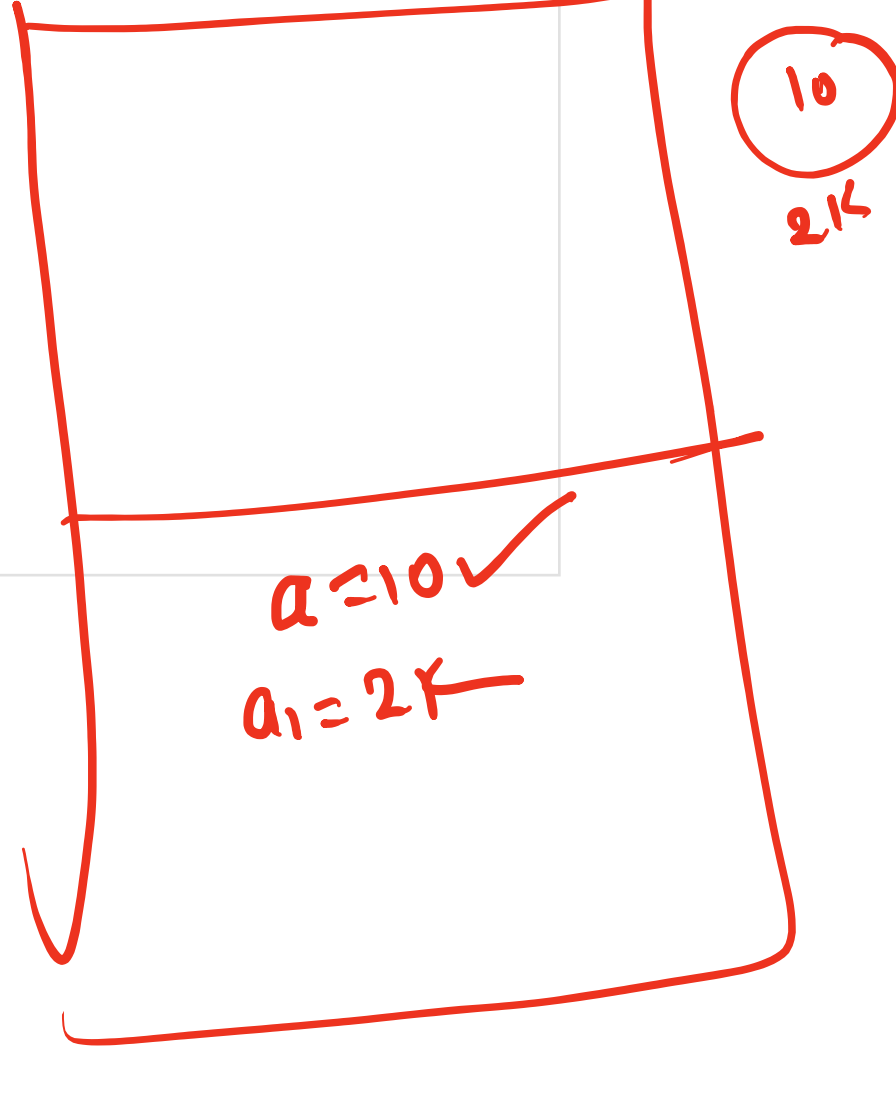
Wrapper - class

2

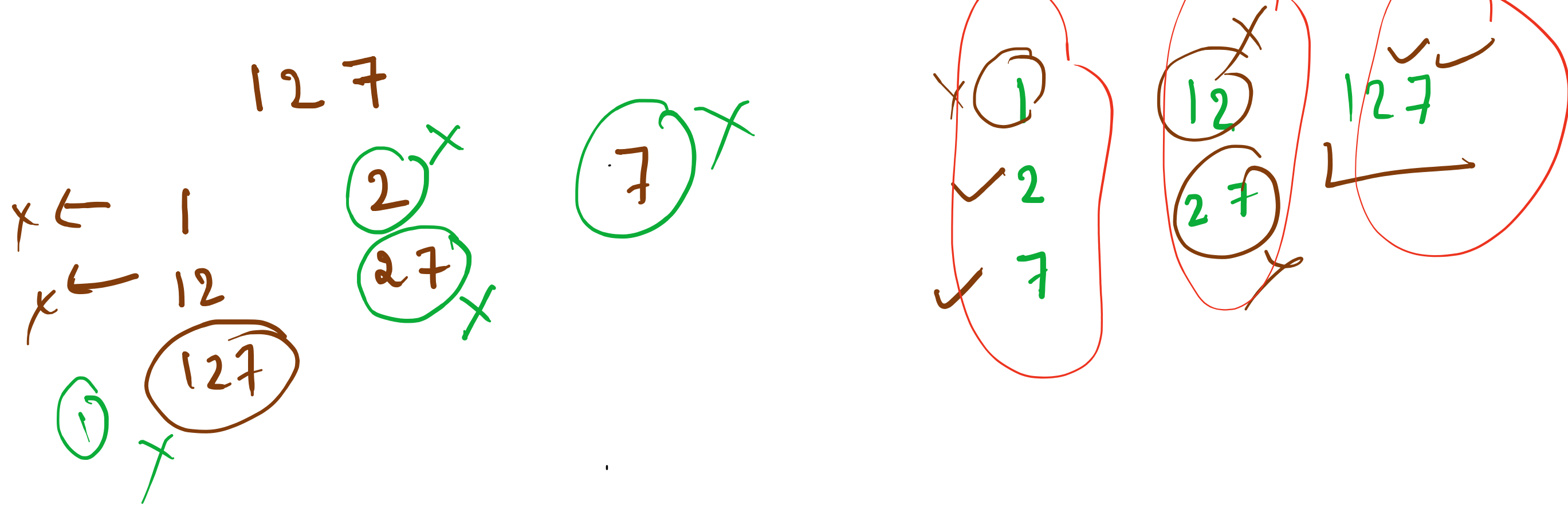
byte  
short  
int  
long  
float  
double  
char  
boolean



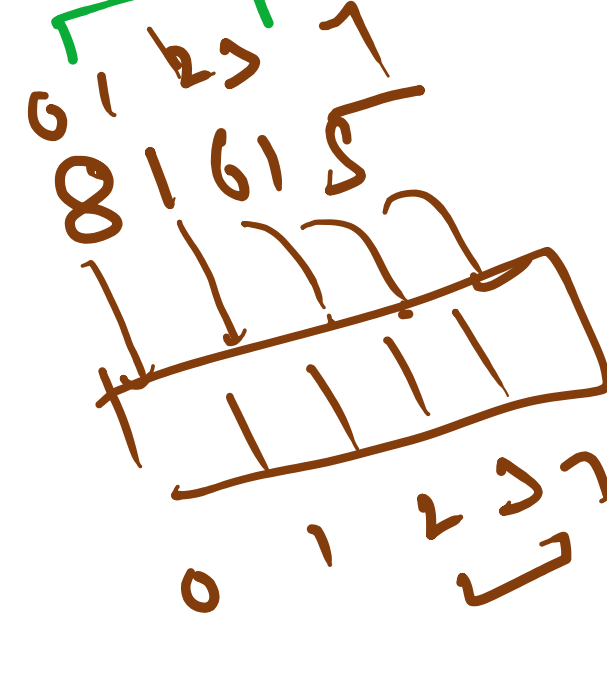
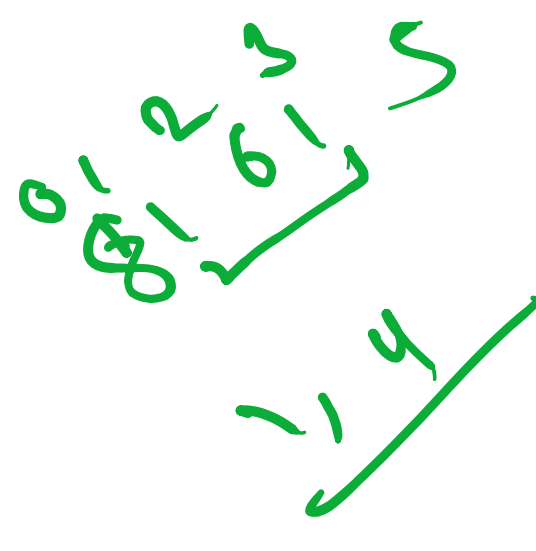
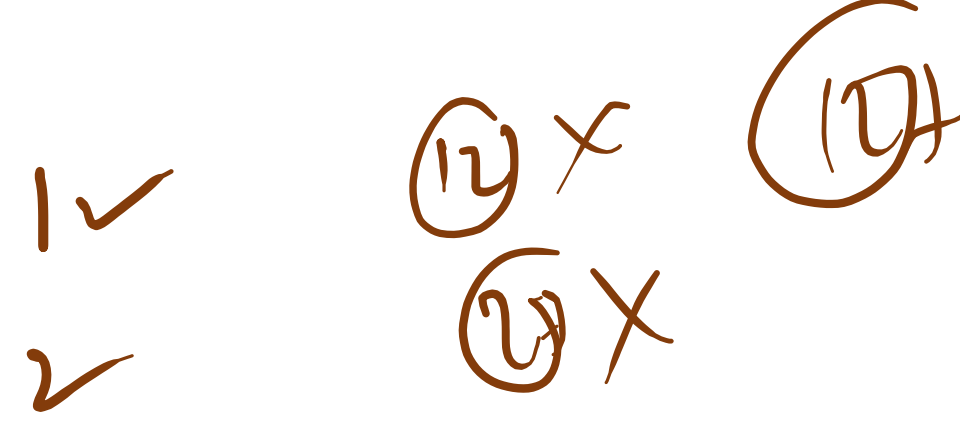
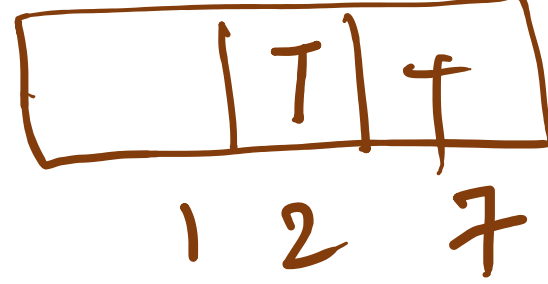
int a=10  
Integer a=10 ✓



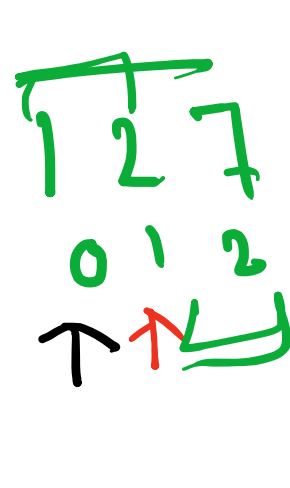
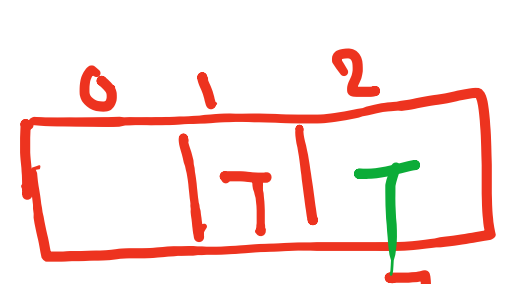
int[] arr = { 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 }



```
public static void print(String s) {  
    int c=0;  
    for (int len = 1; len <= s.length(); len++) {  
        for (int j = len; j <= s.length(); j++) {  
            int i = j - len;  
            String str=s.substring(i,j);  
            if(Is_Cb_Number(Long.parseLong(str))==true) {  
                c++;  
            }  
        }  
    }  
    System.out.println(c);  
}
```



```
public static void print(String s) {  
    int c=0;  
    boolean [] visited = new boolean[s.length()];  
    for (int len = 1; len <= s.length(); len++) {  
        for (int j = len; j <= s.length(); j++) {  
            int i = j - len;  
            String str=s.substring(i,j);  
            if(Is_Cb_Number(Long.parseLong(str))==true && IsValid(visited,i,j-1)==true) {  
                c++;  
                for (int k = i; k <= j; k++) {  
                    visited[k]=true;  
                }  
            }  
        }  
    }  
    System.out.println(c);  
}
```



len=1  
j=1 i=j-1=0  
j=2 i=2-1=1  
j=3 i=3-1=2

len=2  
j=2 i=2-1=1  
j=3 i=3-2=1

len=3  
j=3 i=3-2=1  
j=4 i=4-3=1

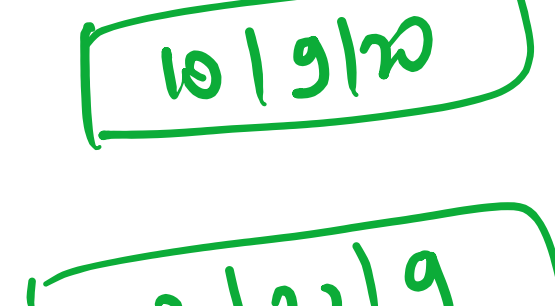
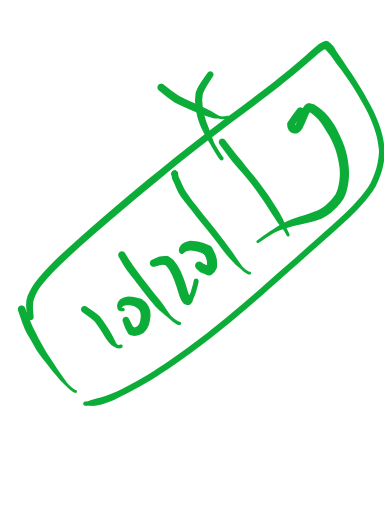
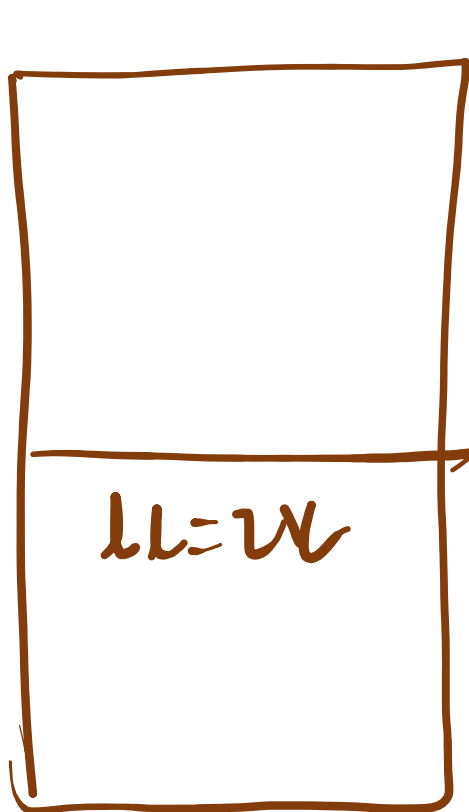
```
public static boolean IsValid(boolean[] visited, int si, int ei) {  
    // TODO Auto-generated method stub  
    for (int k = si; k <= ei; k++) {  
        if(visited[k]==true) {  
            return false;  
        }  
    }  
    return true;  
}
```

ArrayList  
dynamic Array

int c) arr = new int c)

- 1) Add
- 2) get
- 3) remove
- 4) size
- 5) display

```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    ArrayList<Integer> ll= new ArrayList<>();  
    System.out.println(ll.size());  
    System.out.println(ll);  
}
```



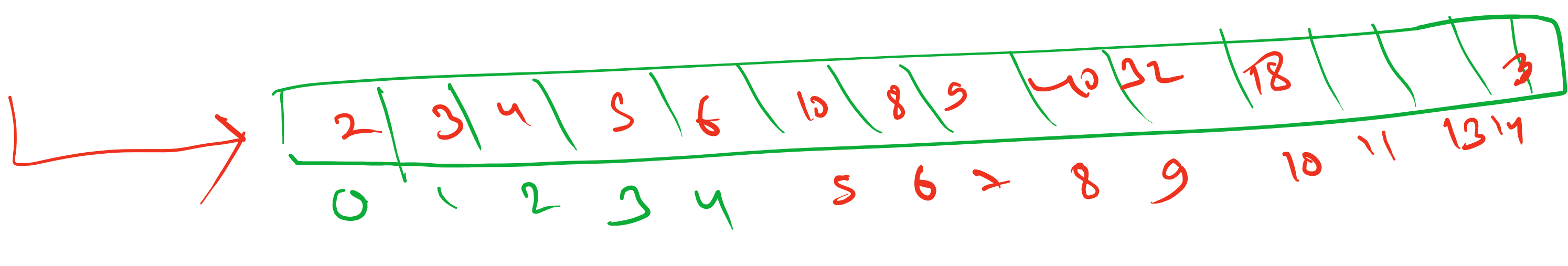
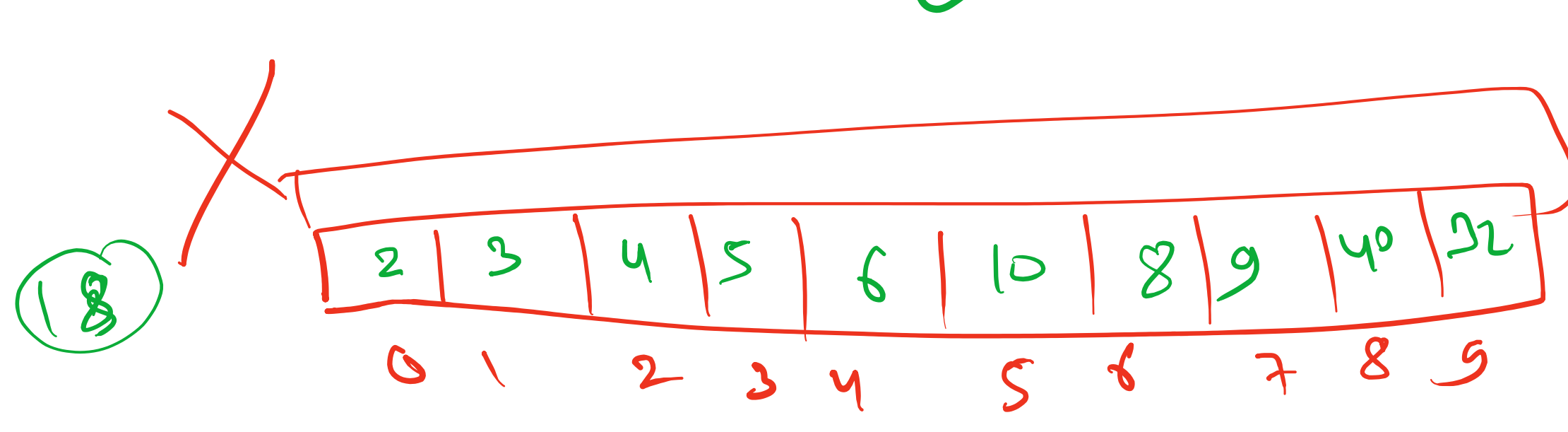
```
for (int v : ll) {  
    System.out.print(v + " ");  
}  
System.out.println();  
for (int v : arr) {  
    System.out.print(v + " ");  
    v=90;  
}
```

[10, 20, 30]  
0 1 2

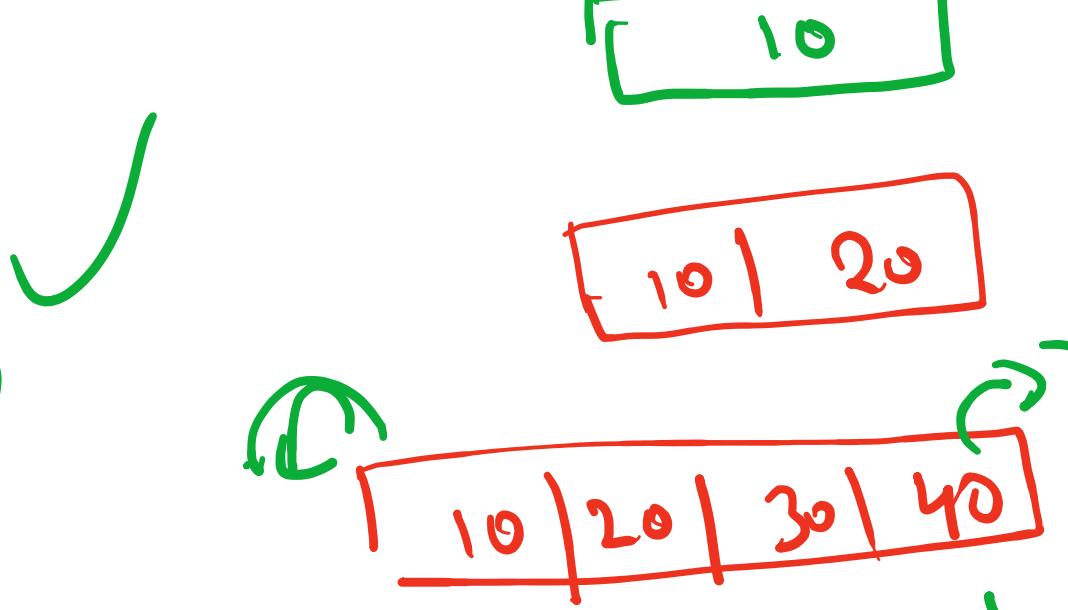
10 20 30

10 5 7

Size -> cap



g->15  
1->2



1+1=2  
2+1=3  
1  
4+1=5

