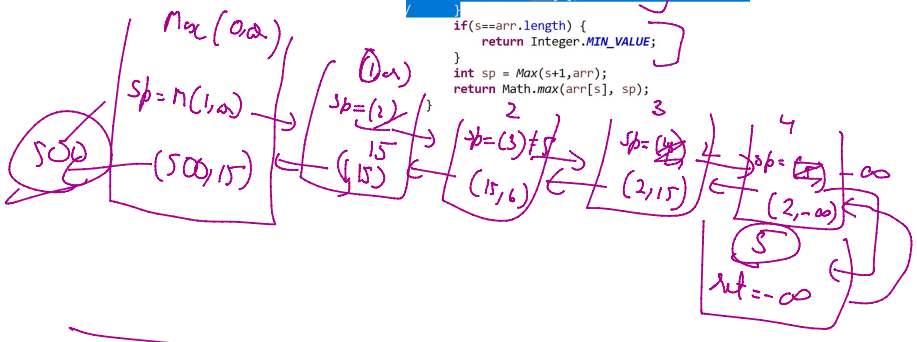
11 June 2023 13:21

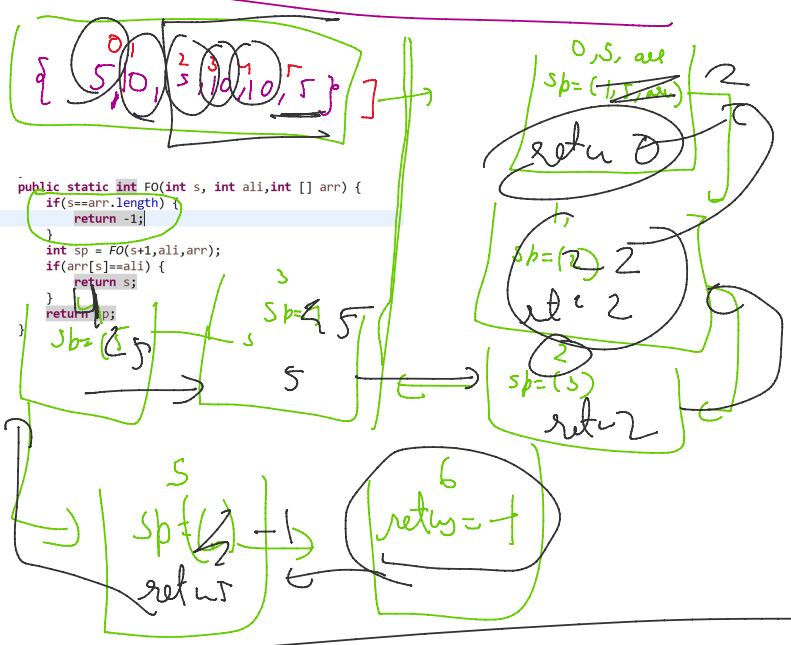
{10,20,30,40,50}

50,40,30,20,10

{50,10,6,15,2}
0 1 2 3 4

```java
public static int Max(int s , int[] arr) {
//      BP : Max(0)
//      SP : Max(1)
//      if(s==arr.length-1) {
//          return arr[s];
//      }
        if(s==arr.length) {
            return Integer.MIN_VALUE;
        }
        int sp = Max(s+1,arr);
        return Math.max(arr[s], sp);
    }
```






```java
public static int FO(int s, int ali,int [] arr) {
    if(s==arr.length) {
        return -1;
    }
    int sp = FO(s+1,ali,arr);
    if(arr[s]==ali) {
        return s;
    }
    return sp;
}
```

LO

5

{5,10,5,10,10,5}
0 1 2 3 4 5

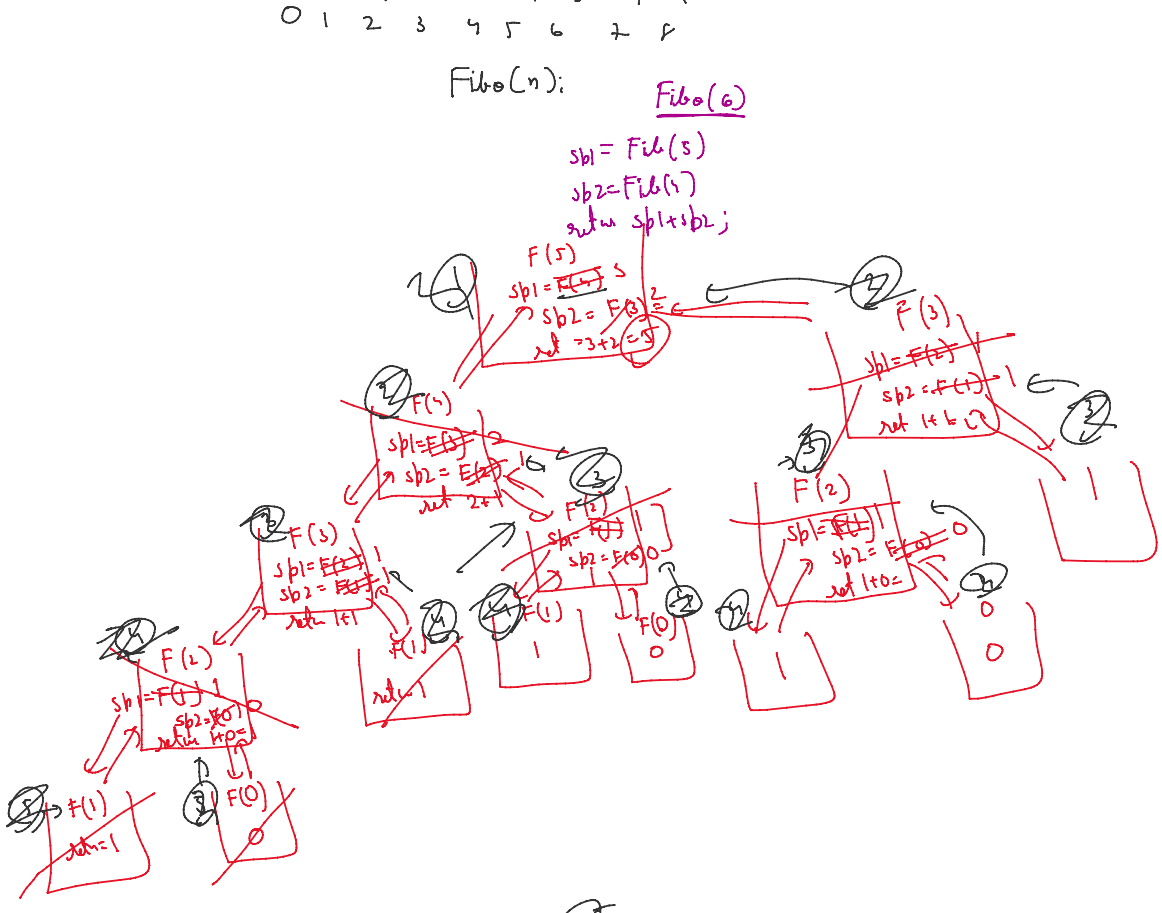
```java
public static int LO(int s, int ali, int[] arr) {
    if (s == arr.length) {
        return -1;
    }
    int sp = LO(s + 1, ali, arr);
    if (sp == -1 && arr[s] == ali) {
        return s;
    }
    return sp;
}
```

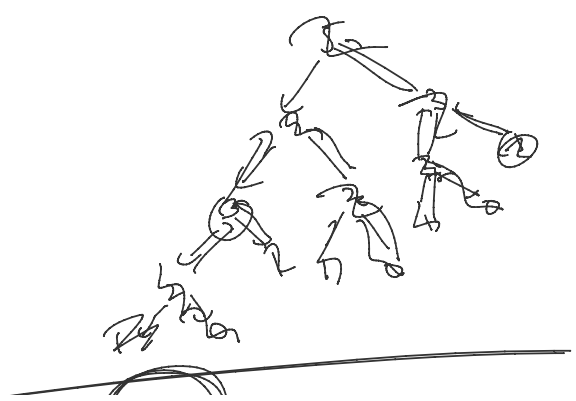
0, 1, 1, 2, 3, 5, 8, 13, 21
0 1 2 3 4 5 6 7 8

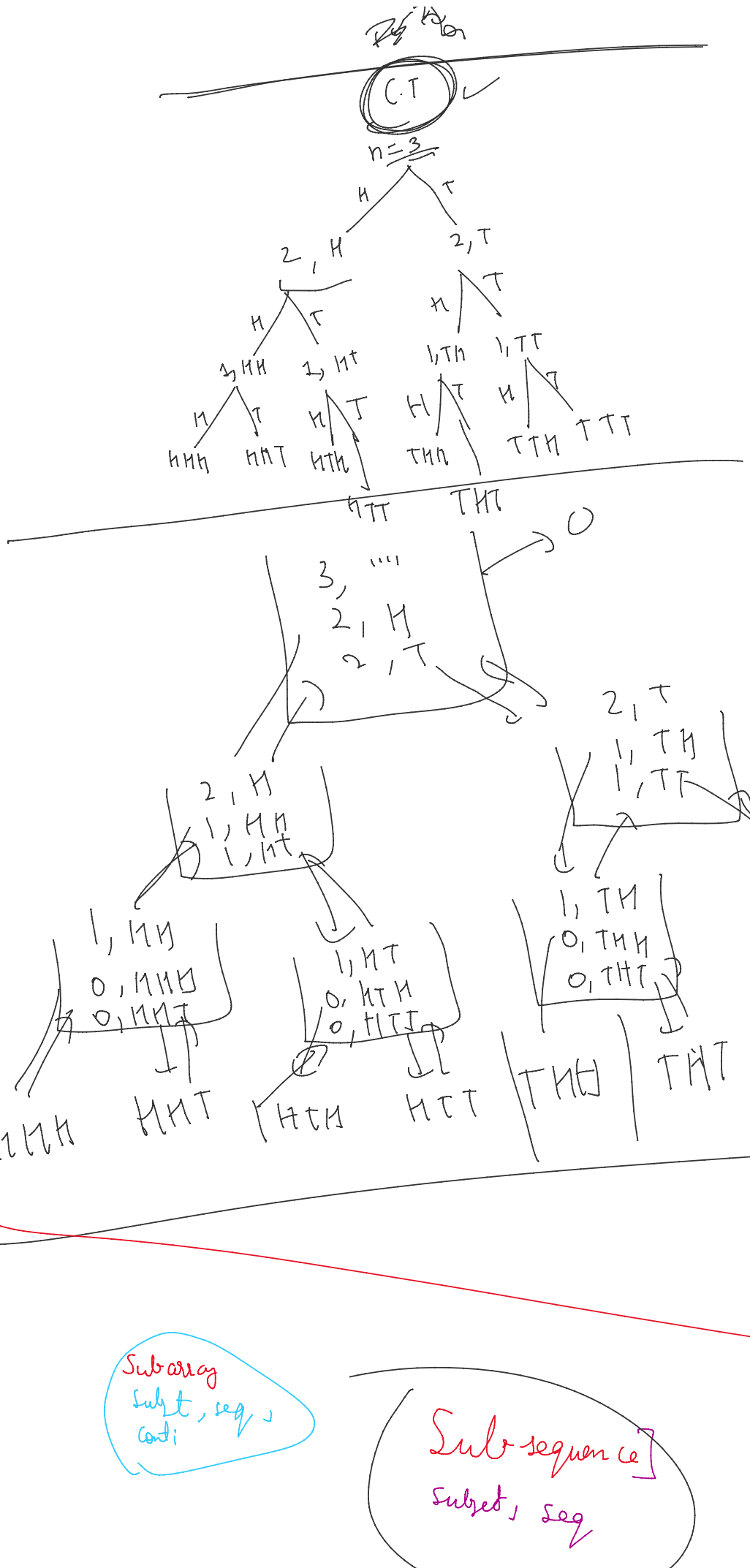
Fibo(n):

Fibo(6)

sb1 = Fib(5)
sb2=Fib(4)
retu sb1+sb2;







Subarray
subset, seq, conti

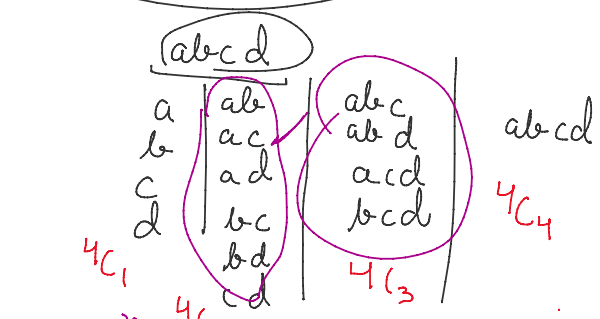
Subsequence
subset, seq

{ a, b, c, d }

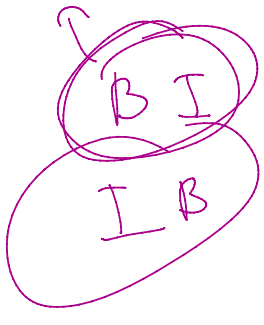
i → 0 n

j → i+1 n

K → j+1 n



Permutation



Combination