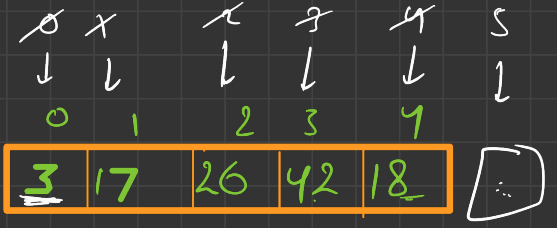
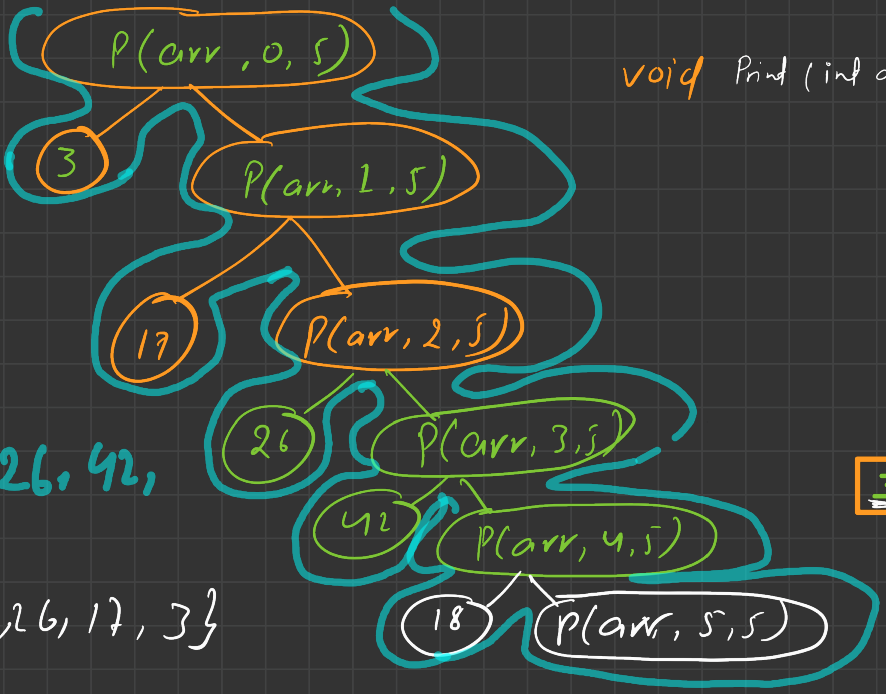
Print Array



Size : n

```
void Print ( int arr , int index , int n ) {
    if ( index == n ) {
        return ;
    }
    cout << arr [index ];
    Print (arr, index+1, n );
}
```

```
int main(){
    int arr[] = {1,4,6,2,7};
    Print(arr, 0, sizeofarr)
}
```

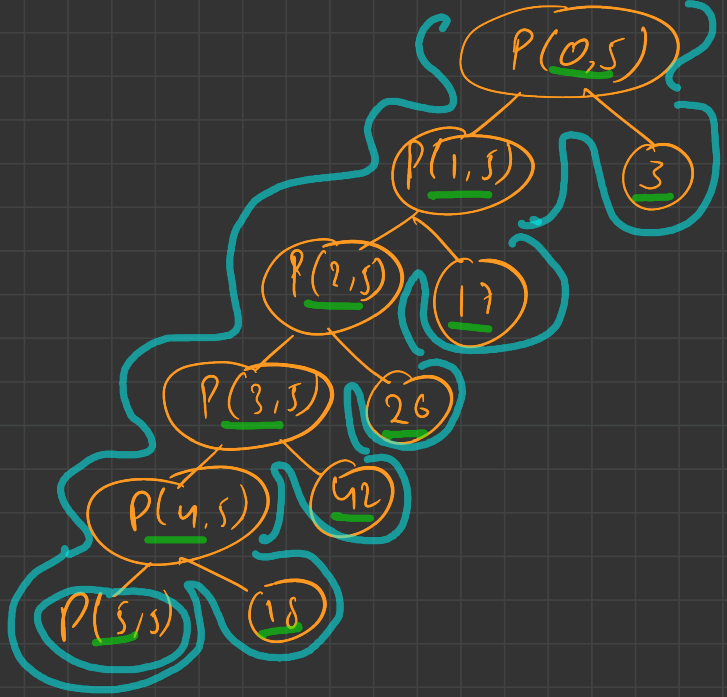


3, 17, 26, 42, 18

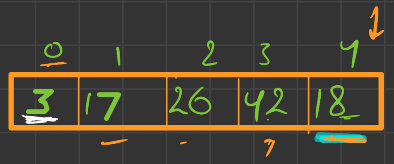
{18, 42, 26, 17, 3}

```
void Print(int arr, int index, int n){
    if(index == n){
        return;
    }
    Print(arr, index+1, n);
    cout << arr[index];
}
```

0	1	2	3	4
3	17	26	42	18



18, 42, 26, 17, 3

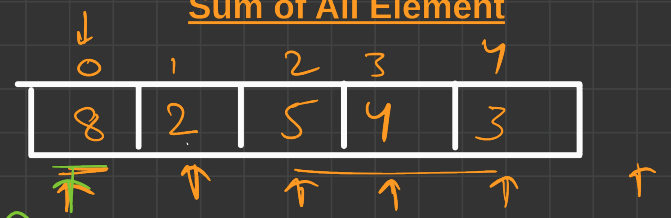


3, 17, 26, 42, 18

18, 42, 26, 17, 3

```
void Print(int arr, int index) {
    if (index == -1)
        return;
    Print(arr, index-1);
    cout << arr[index];
}
```

Sum of All Element



index 0

0 = 8 + 14 = 22

1 = 2 + 12

2 = 5 + 7

3 = 4 + 3

4 = 3 + 0 = 3

5 = 0

S(5) = 0

S(4) = 3 + S(5)

S(3) = 4 + S(4)

S(2) = 5 + S(3)

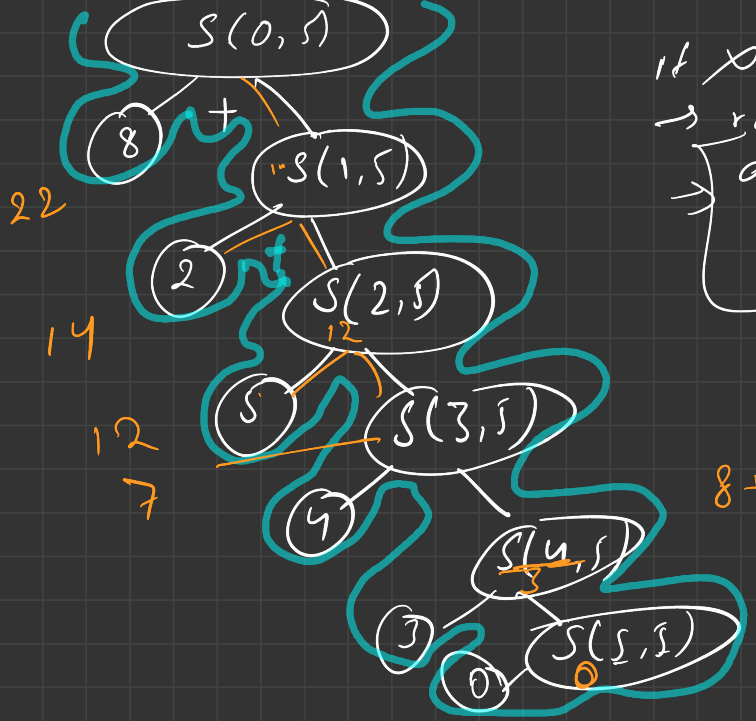
S(1) = 2 + S(2)

S(0) = 8 + S(1) → S(index) = ar[i] + sum(i + 1)

ar

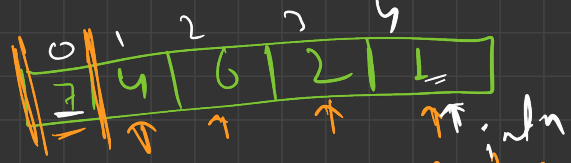
```
int sum(int arr, int index, int n) {
    if (index == n) {
        return 0;
    }
    return arr[i] + sum(arr, index+1, n);
}

int main() {
    int ar = {8,2,5,4,3}
    cout << sum(arr, 0);
}
```

8 + 2 + 5 + 4 + 3



if
→ rch
arr[i] + sum(arr, i+1, n)
if (index == n)
rch → 0
8+2+5+4+3+0

```
Sum(int arr, int i, int n) {
    if (i == n) {
        return 0
    }
    arr[i] + Sum(arr, i+1, n);
}
```




```
min element (int arr, int index) {
    if (index = n-1)
        return arr[i]

→ return min (arr[index], minelement (arr, i+1, n))

}
```