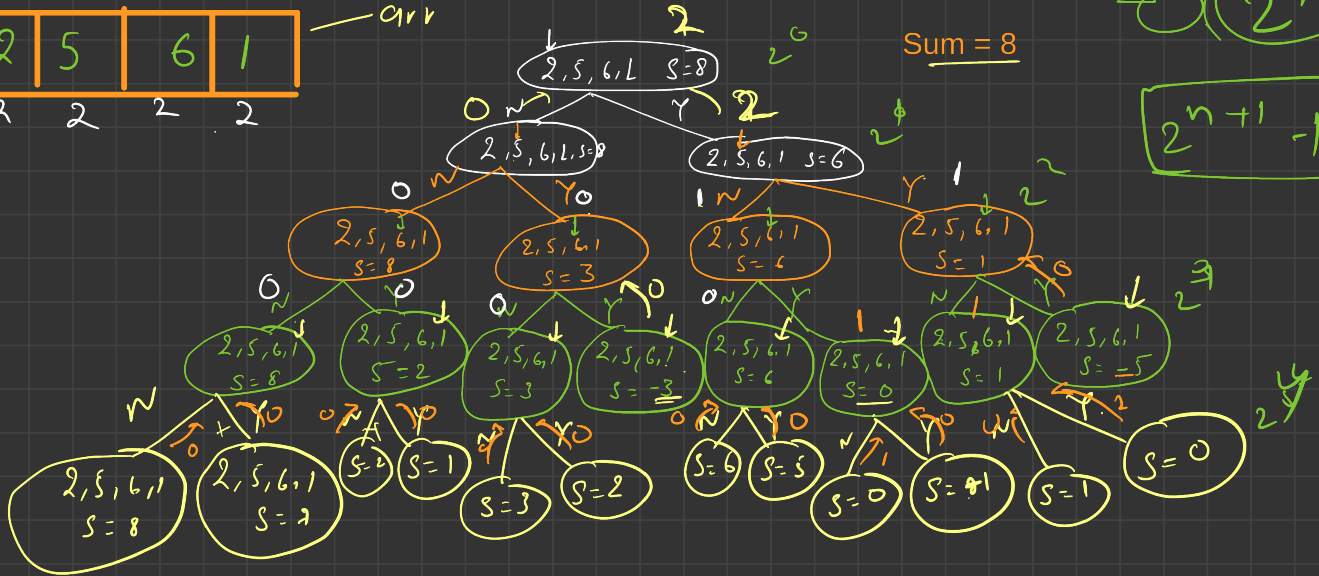


$$2^{n+1} - 1$$




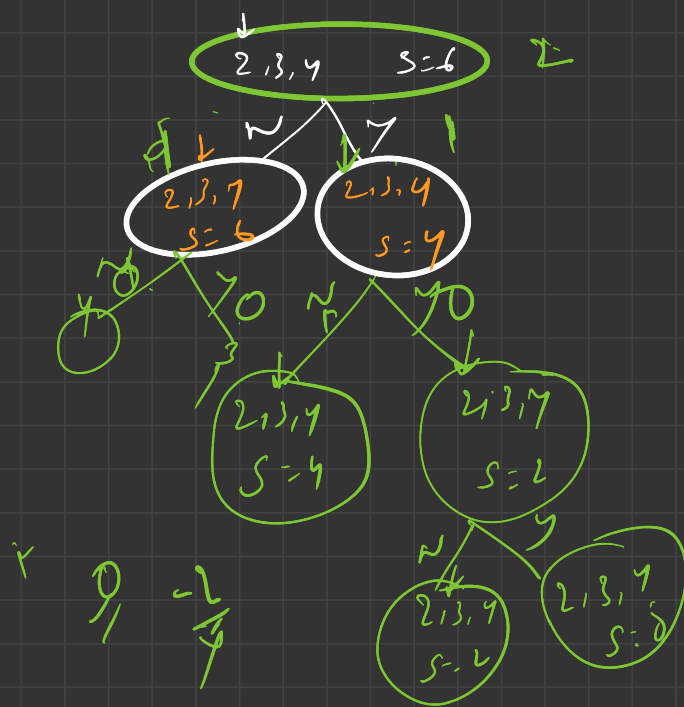
# Target Sum Repeat it ion

2	3	4
---	---	---

$$\underline{\text{Sum} = 6}$$

2	3	4
3	0	0
1	0	1
0	2	0

$$\begin{aligned} & \overset{2}{-} 2, 2, 2 = 6 - 2^3 \\ & \overset{2}{-} 2, 4 = 6 - 2^2, 4 \\ & \overset{3}{-} 3, 3 = 6 - 3^2 \end{aligned}$$



```
int sum1 (int arr[], int i, int n, int sum){
```

```
    if (sum == 0)
```

```
        return 1
```

```
    if (i == n || sum < 0)
```

```
        return 0;
```

```
        return sum1(arr, i+1, n, sum) + sum1(arr, i, n, sum-arr[i]);
    }
```





















