

Space Complexity

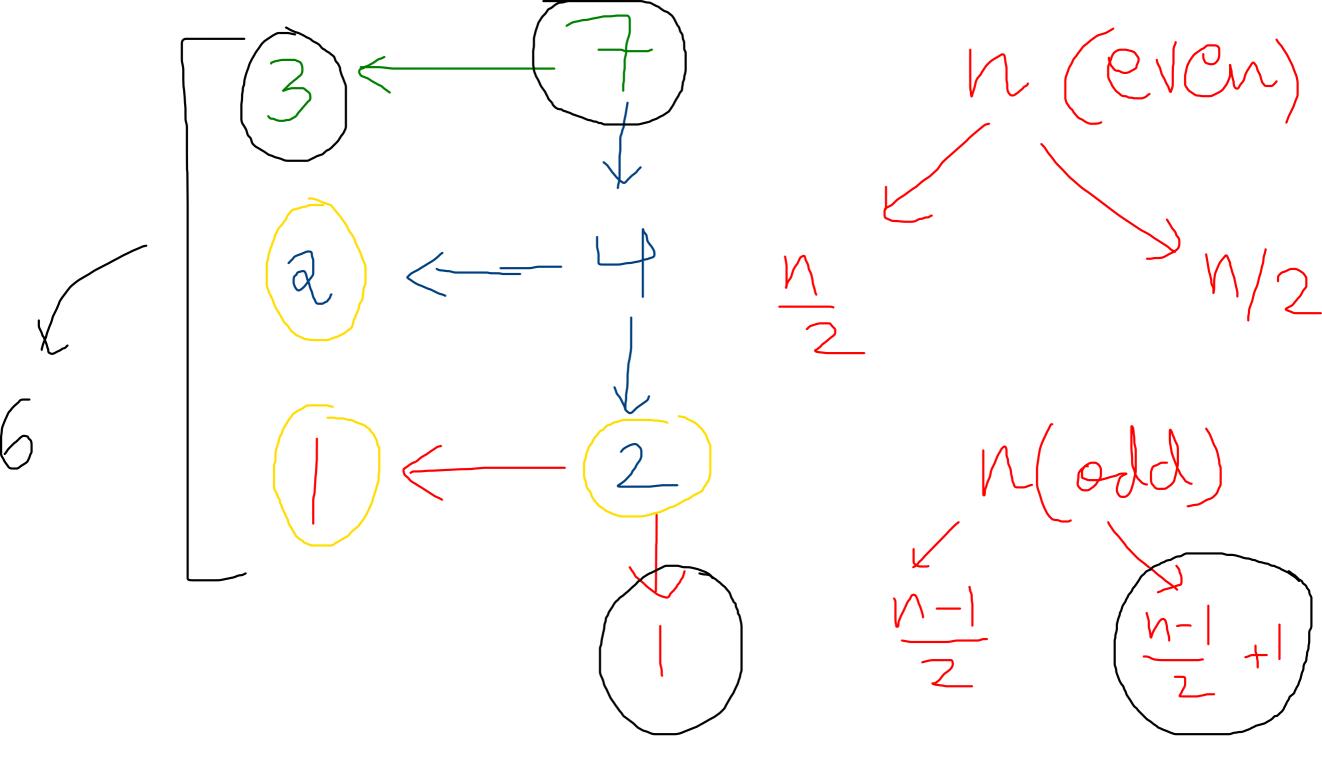
- Data structure (1D array, stack, queue, 2D array, arraylist, vector)
- Number of elements stored in data structure affect the space complexity
- Constants are not included in space complexity as well

Time Complexity

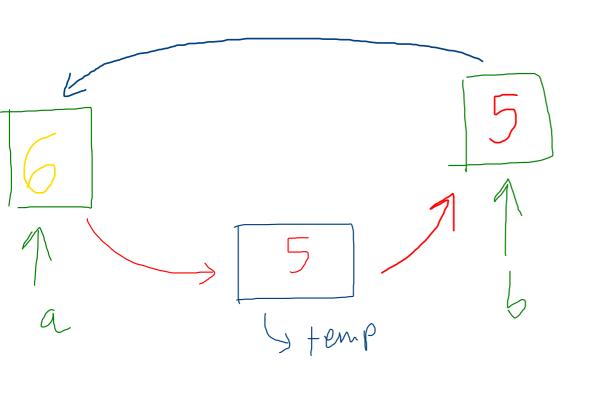
- Number of operations

```
Space
for(int i=1; i<=m; i++)
                          mar(n,m)
for(int i=1; i<=n; i++)
Time Complexity - O(N+M)
O(n) + O(m)
```

X DAN 2 MA $\left(\begin{array}{c} 2 \\ \\ \\ \\ \end{array} \right)$ 2 lg h



$$\begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 1 \\ 3 \\ 3 \\ \end{array}$$



Sum - Sum Of amay

 $8 \quad Min(a,b)$ 1,2,3(y)5,6,7,8,9--| _ _ _ min (a, b)

 h Ly Mgits