Reausion:

Jos loop

[1,2,3,4,5,6,7,8,9,10]

i

Pre-ORDER

Sol(n) &

Port - ORDER

Sol(n) &

y(n=20) return:

Sout (n):

Sol (n-1)

3

Sol (n) of

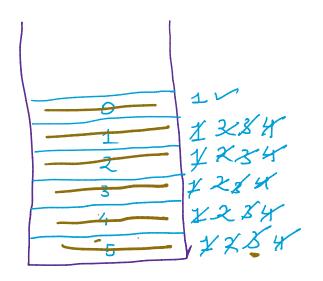
y(n=20) return:

Sol (n-1)

Sout (n)

Fort

```
public static void printIncDec(int n){
1   if(n==0) return;
2   System.out.println("Decreasing - "+n);
3   printIncDec(n:n-1);
4   System.out.println("Increasing - "+n);
}
```



https://leetcode.com/problems/powx-n/

$$10^{10} = \frac{10^{10}}{2^{10}} = \frac{10^{10}}{2^{10}}$$

Pow (n, n) & y(n=20) return 1; y(n=20) return 1; y(n) = pow(n, n/2); y(n) = pow(n, n/2);

$$\frac{2^{10} = \frac{3^{5}}{2^{5}} \times 2^{5}}{2^{2} \times 2^{2}}$$

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