Power-logarithmic (Day 23)

on the sin 0 (Jog (n))

POW(2/5) -> POW(2/4) -> POW(2/3) -> POW(2/2) -> POW(2/1)

 \Rightarrow 3× 9×9

row(2/5) -> Pow(2/2) -> Pow(2/1) -> Pow(2/0) log(n)

```
Puw(210)
```

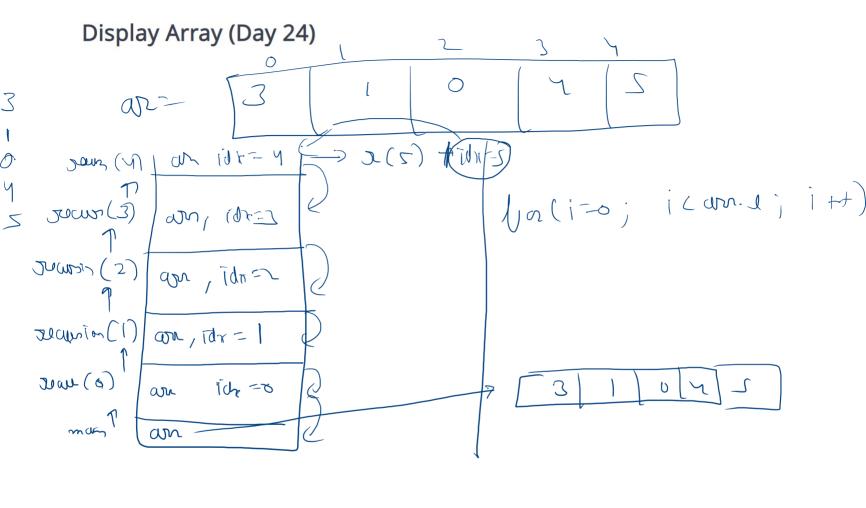
```
public static int pow(int x, int y) {
    if (y = 0) {
        return 1;
    }

2 int recAns = pow(x, y; y/2);

3 if (y % 2 = 0) {
    3.1 return recAns * recAns;
    } else {
        return x * recAns * recAns;
    }
}
```

2/14×1,1/1 30/14 × 20/14 -> (2/12) * (20/2) is(niole) (xxxx ball) $2^{4} \rightarrow 2^{4} \times 2^{2} \times 2^{2}$ $Pow(2|4) \rightarrow Pow(2|2) \rightarrow Pow(2|1)$ $2^{4} \rightarrow 2^{4} \times 2^{2} \rightarrow 2^{$

16

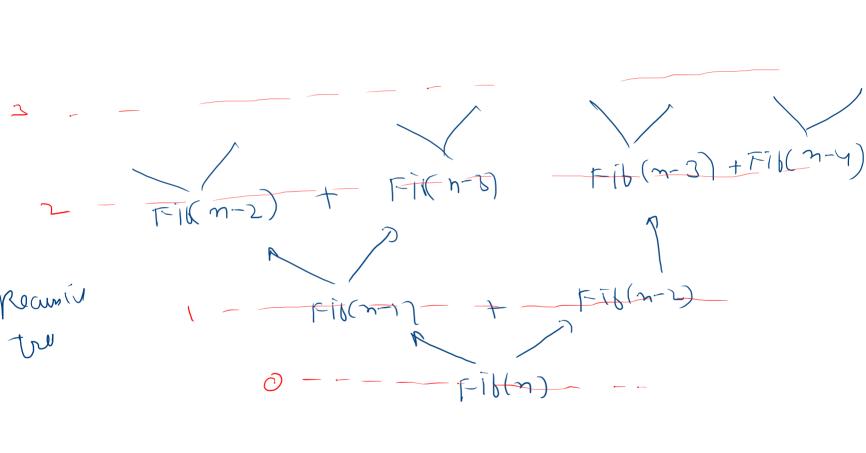


Reumin bu

```
1 (- (2) are ) (02
                                       System.out.println(arr[idx]);
  Sal(an, y) \rightarrow 1, 2, 3 \leq
                                       3 solution(arr, idx: idx + 1);
 51(wn/J) -> 1,2,3 =
                                          are 1, 2,3,4,5
 sol(wn,2)->1,2,36
 5/(wr/1) -> 1/2/3C
 501 (wa, 0) -> 1/2/3C
```

16--Recursive true Clowz your stock \mathfrak{M} Rowning Stock Willing (1) T= ∞ 107-1 0V

Fib() [] 5 8 D. m=1 2 3 4 5Fib(m) = Fib(n-1) + Fib(n-2) FILCS) - FILCY + FILCS) 3 + - - 5

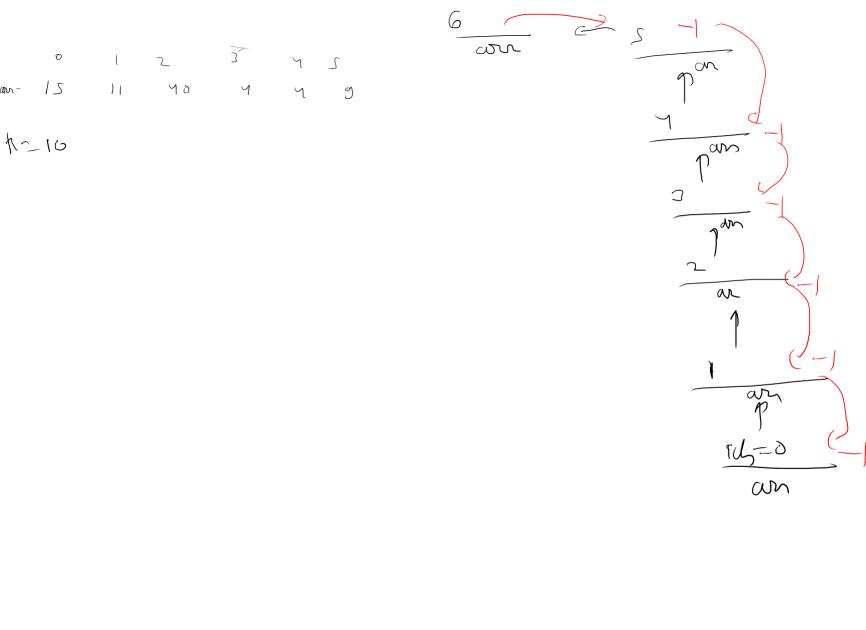


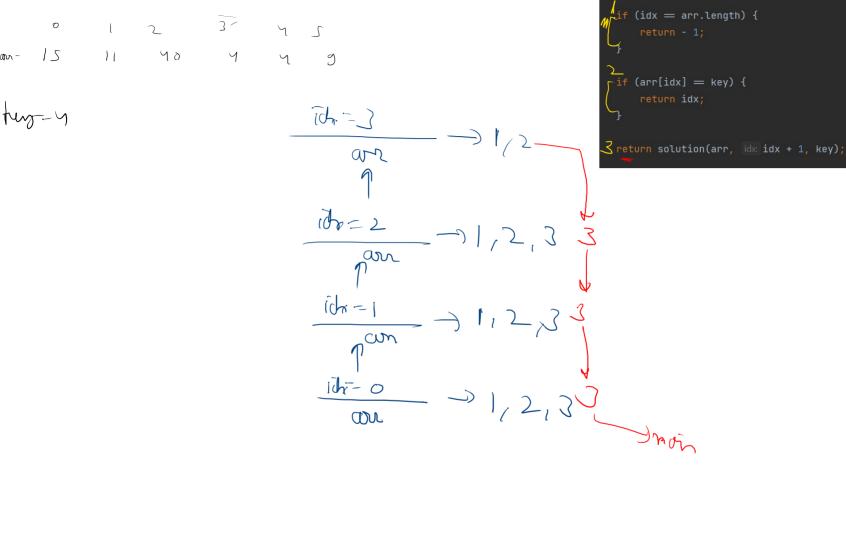
First Index (Day 24)

0 1 2 3 4 5
15 11 40 4 4 9

an -

 $\frac{1}{10} = 3 | k = y$ $\frac{1}{10} = 2 | k = y$





All Indices Of Array (Day 24)