

①

$$N! \rightarrow C^{N-1} \leq a^n \rightarrow a^{n-1} \times a \quad N=5$$

pow(a, n)

$$(F(n-1)) + n$$

head|tail



$$\frac{arr[0] > arr[1]}{false}$$

$$\frac{arr[1] > arr[2]}{arr[2] > arr[3]}$$

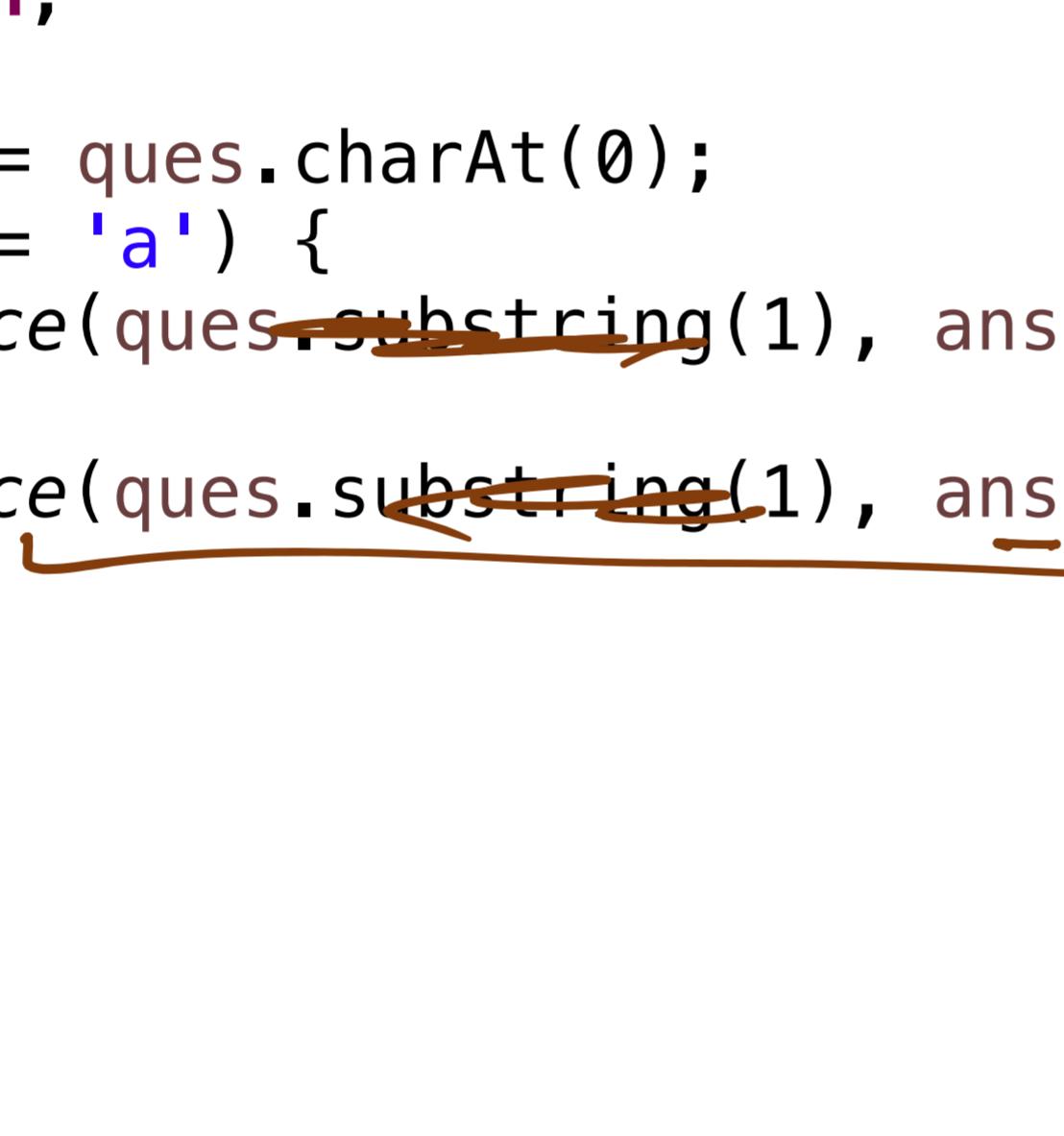
```

public static void main(String[] args) {
    // TODO Auto-generated method stub
    int [] arr = {2, 3, 5, 8, 7}; 2 <
    System.out.println(Is_Sorted(arr, 0));
}

public static boolean Is_Sorted(int [] arr, int i) {
    if(i==arr.length-1) {
        return true;
    }
    if(arr[i]>arr[i+1]) {
        return false;
    }
    return Is_Sorted(arr, i+1);
}

```

$$\begin{array}{l} arr[0] > arr[1] \\ arr[1] > arr[2] \\ arr[2] > arr[3] \\ S > 8 \\ 8 > 7 \end{array}$$

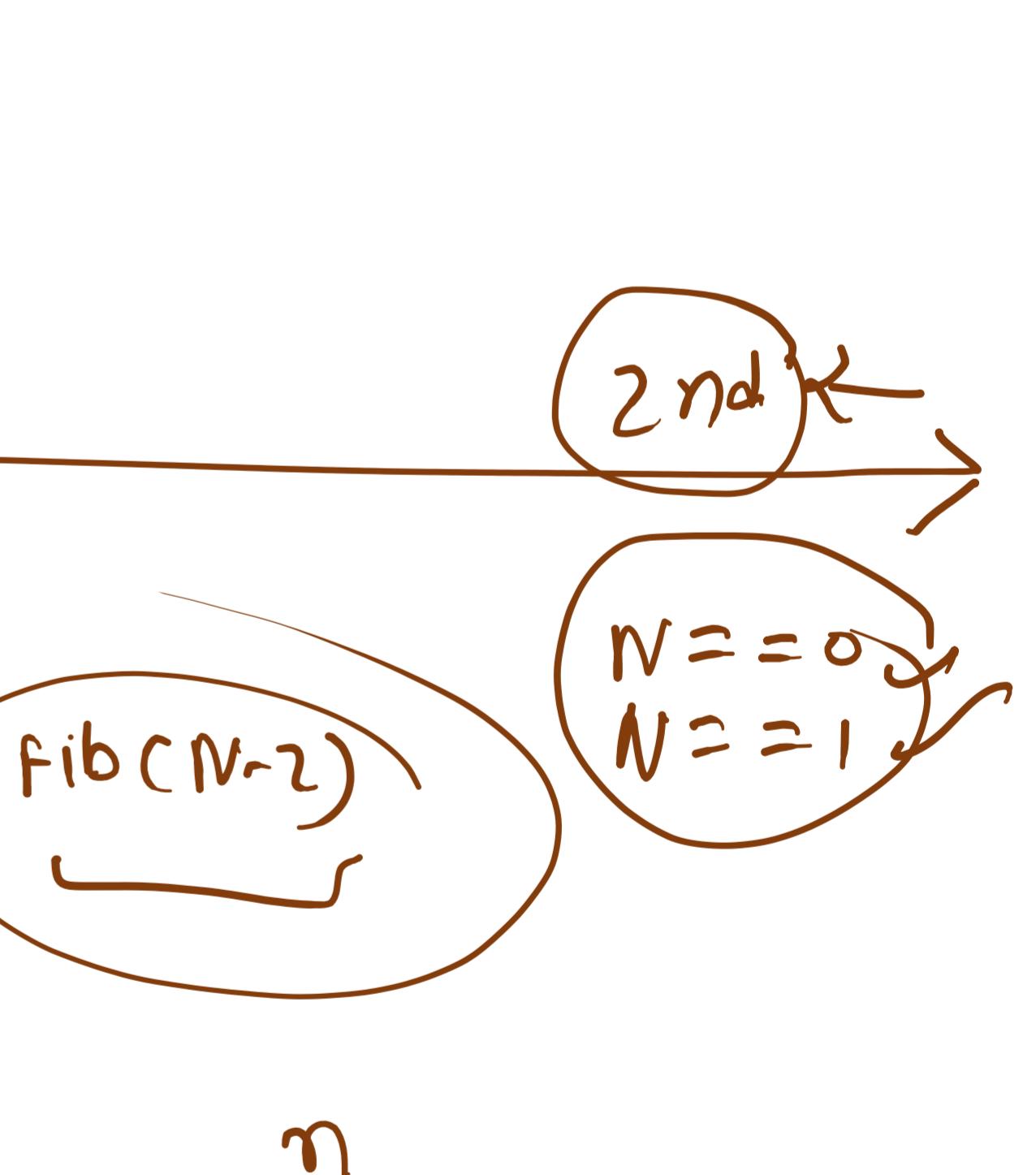


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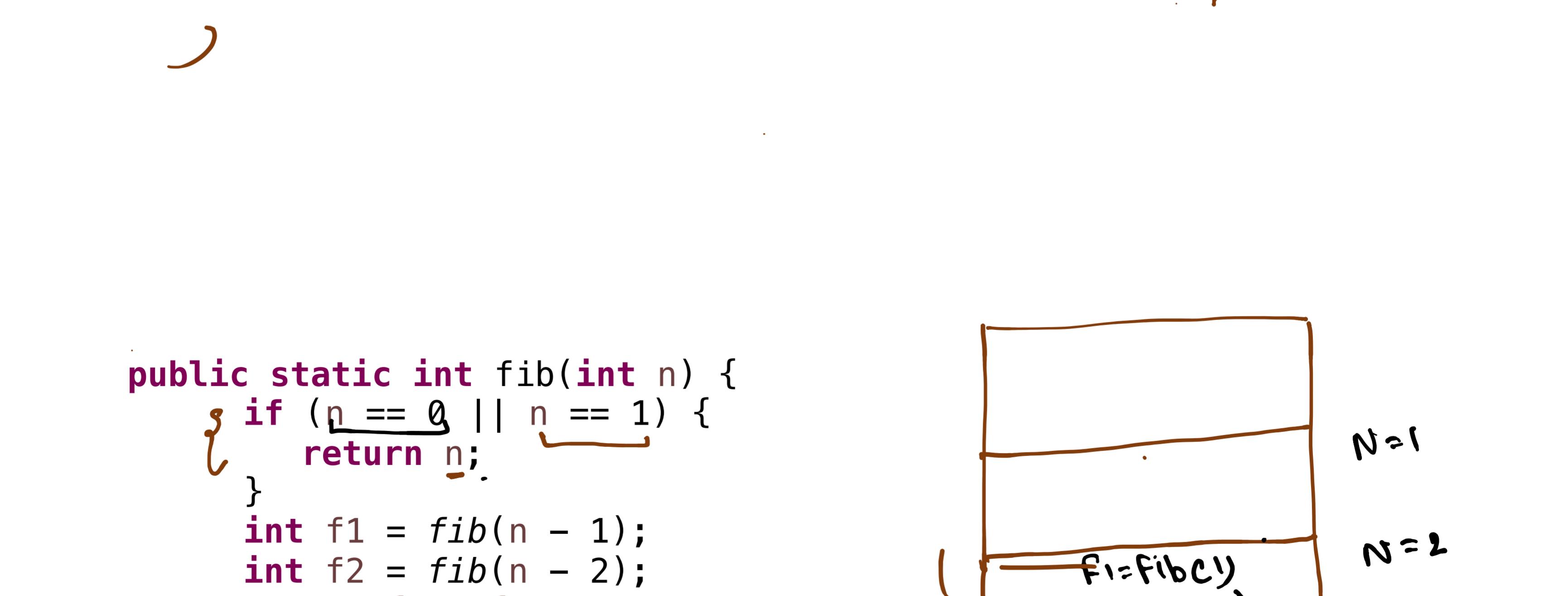
```

public static void Replace(String ques, String ans) {
    if (ques.length() == 0) {
        System.out.println(ans);
        return;
    }
    char ch = ques.charAt(0);
    if (ch == 'a') {
        Replace(ques.substring(1), ans + 'o');
    } else {
        Replace(ques.substring(1), ans + ch);
    }
}

```



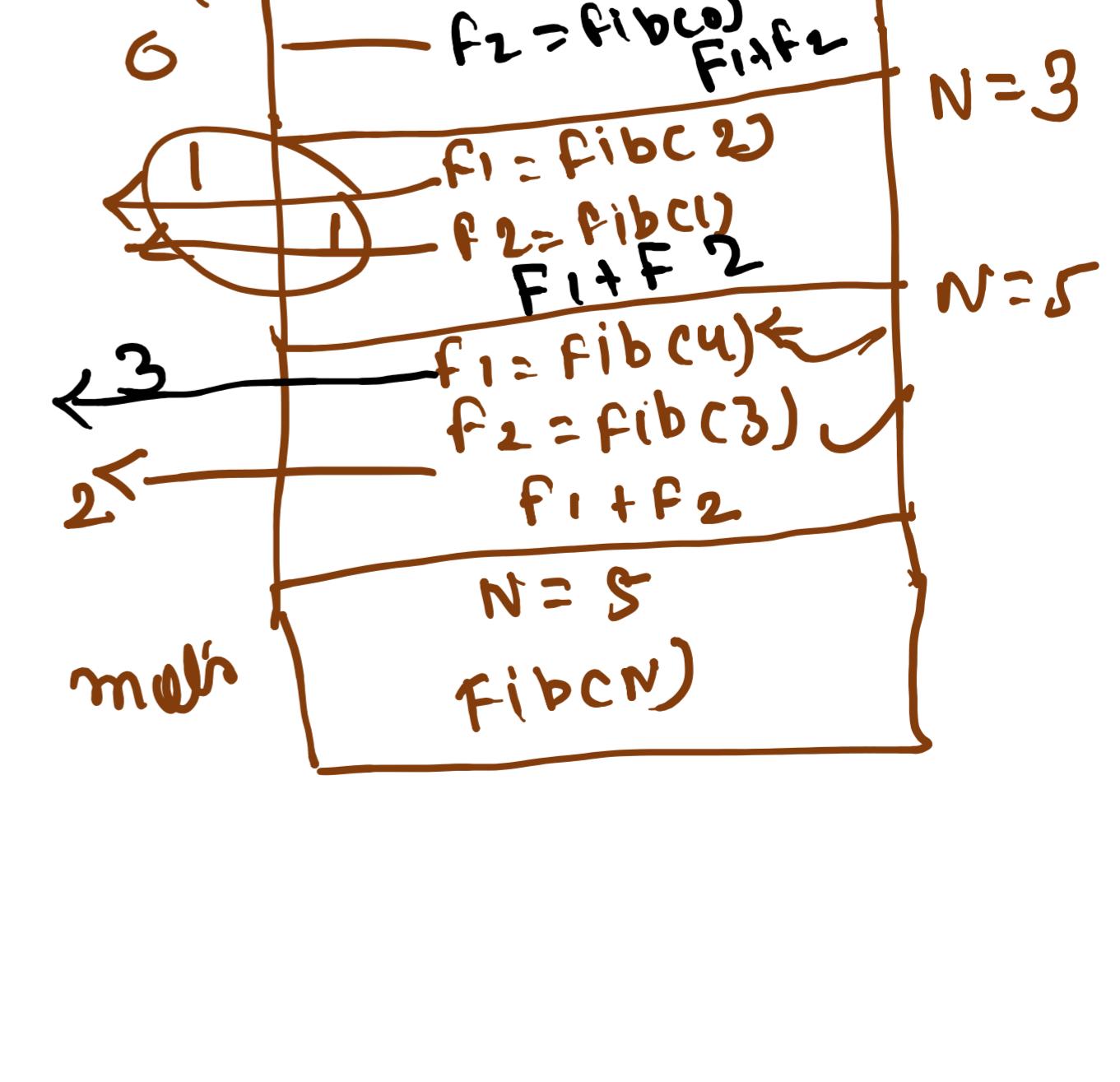
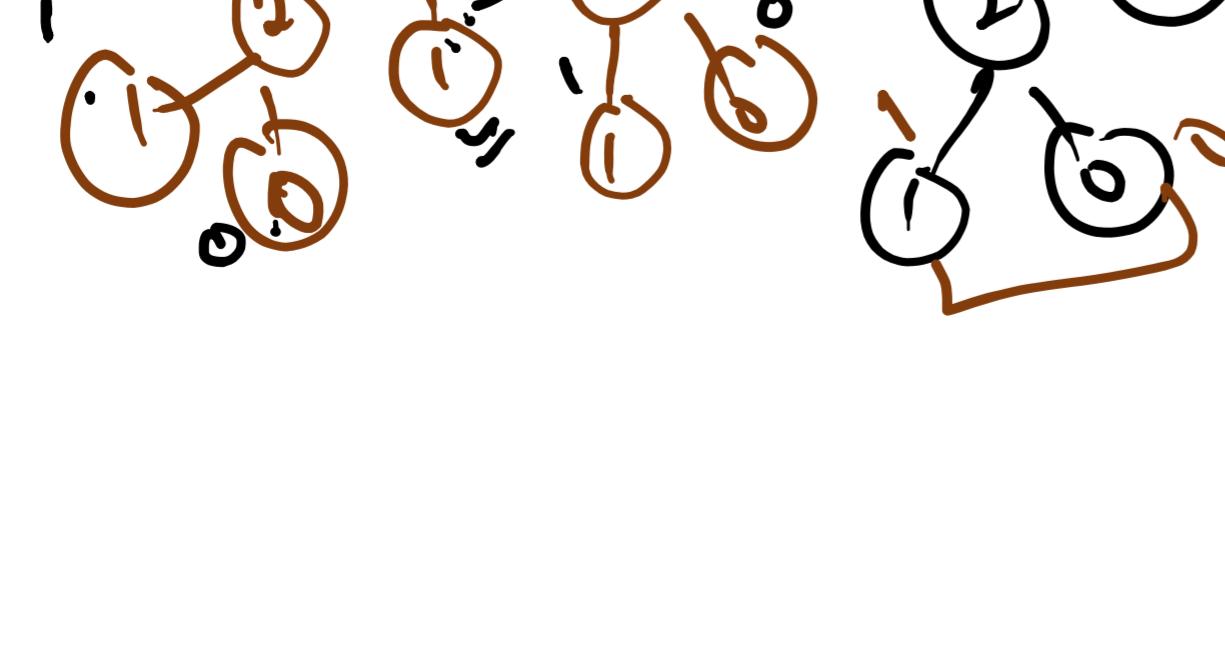
main



```

public static int fib(int n) {
    if (n == 0 || n == 1) {
        return n;
    }
    int f1 = fib(n - 1);
    int f2 = fib(n - 2);
    return f1 + f2;
}

```



```

public static int fib(int n) {
    if (n == 0 || n == 1) {
        return n;
    }
    int f1 = fib(n - 1); ✓
    int f2 = fib(n - 2); ✓
    return f1 + f2;
}

```

