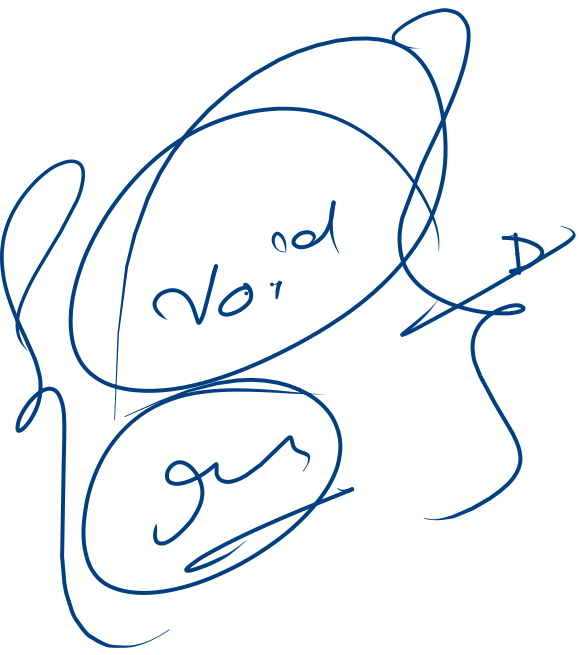
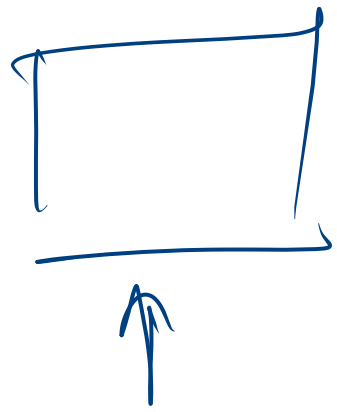
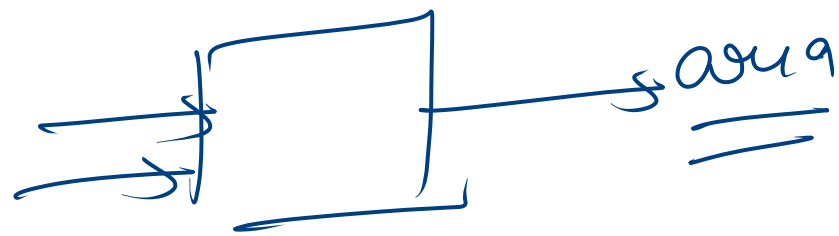
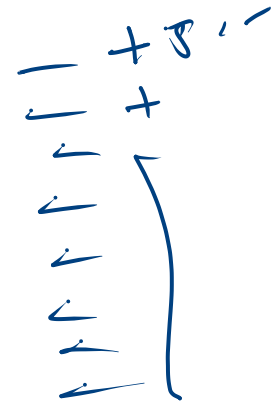
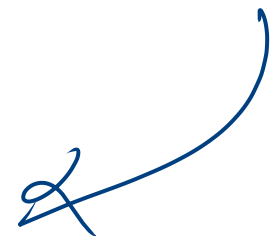










void type of function

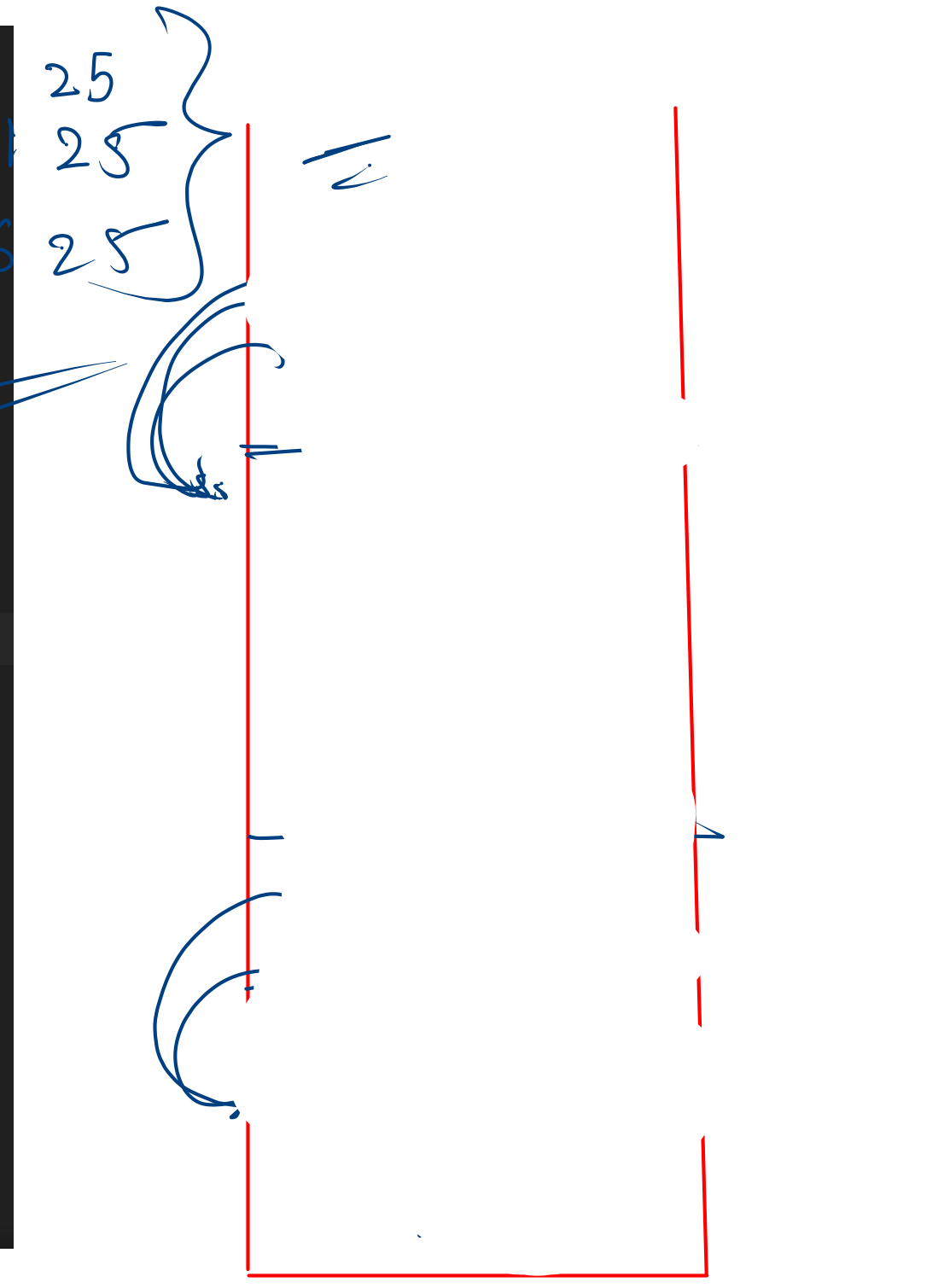
```java
public class Solution {

    public static void main(String[] args) {
        int n = 5;
        System.out.println(square(n));
        int cube = cube(n);
        System.out.println(cube);
        printPowerFour(n);
    }

    public static int square(int n) {
        return n * n;
    }

    public static int cube(int n) {
        return n * n * n;
    }

    public static void printPowerFour(int n) {
        int ans = square(n) * square(n);
        System.out.println(ans);
    }
}
```



$^{n}C_{r} \rightarrow \frac{n!}{r!\,(n-r)}$

$^{n}C_{r}$ { n r } Function

$n = 5$

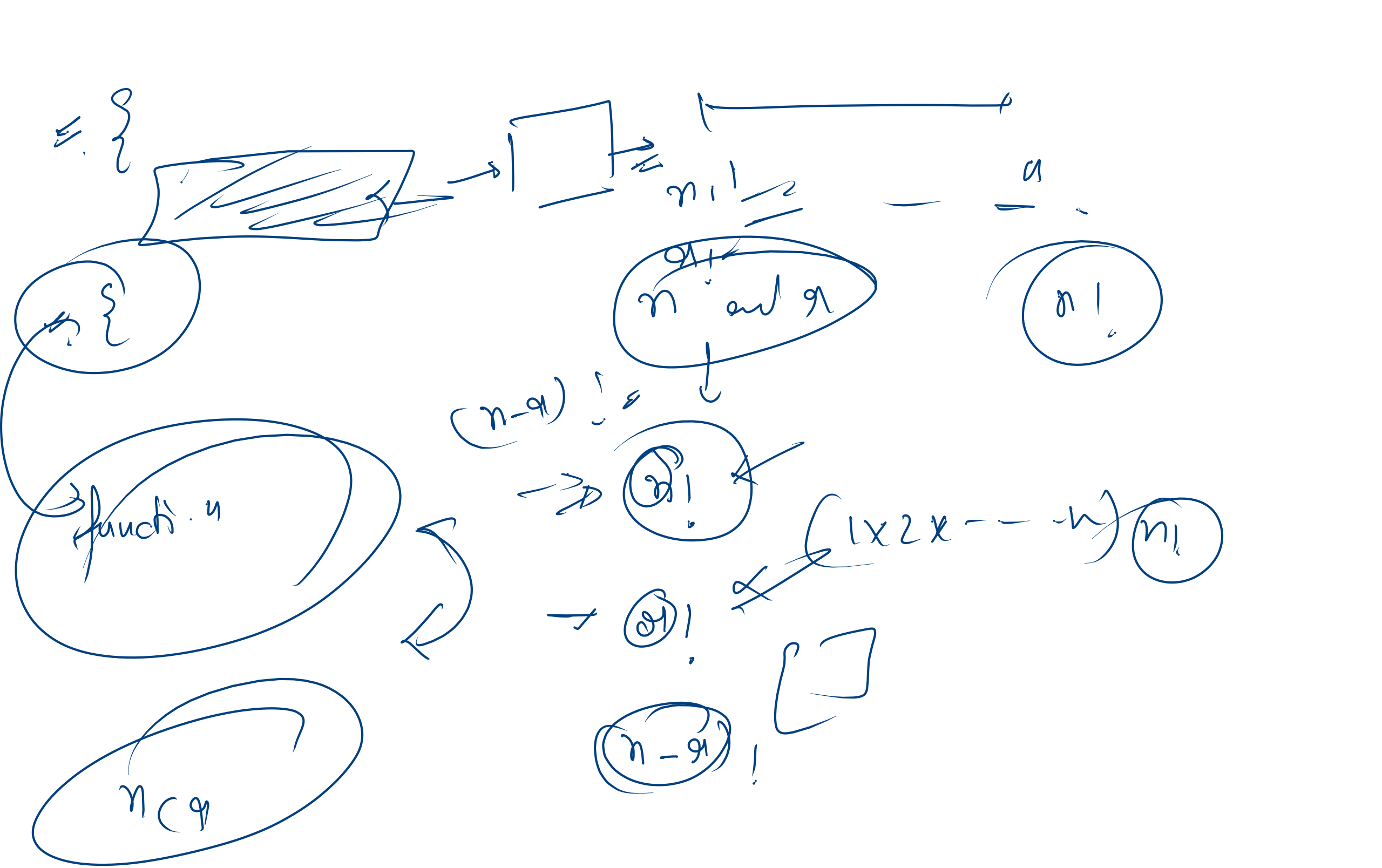
$r = 2$

$^{n}C_{r} = \frac{n!}{r!\,(n-r)!}$

$\frac{5!}{2!\,3!}$

$\frac{5\times4\times3!}{2\times1\times3!}$

10



821 → 1

64128 ≠

ans = 0 6 64 641 ...

0

ans = (ans x 10) + ld

4 1 6

x 2

Armstrong

3

543 ≠

$5^3 + 4^3 + 3^3 \neq 543$

153 =

125 + 64 + 27 ∞

$1^3 + 5^3 + 3^3 = 153$

1 + 125 + 27 = 153

1634 ⇐ i) → mod

ii) ⇐ a^n

$1^4 + 6^4 + 3^4 + 4^4 = 1634$ { true / false

$n = 10000$

1 to n

1

153

370

371

407

1

$1^1 = 1$