

↳ 100, 98, 96 - - - 2.


$$a = 5$$
$$b = 3$$

$$\begin{array}{c} \text{---} \text{---} \text{---} \end{array} \rightarrow \underline{\text{---} \text{---} \text{---}}$$

$$\sqrt[3]{125} = 5 \times 5 \times 5$$

2 → 1
2 → 2

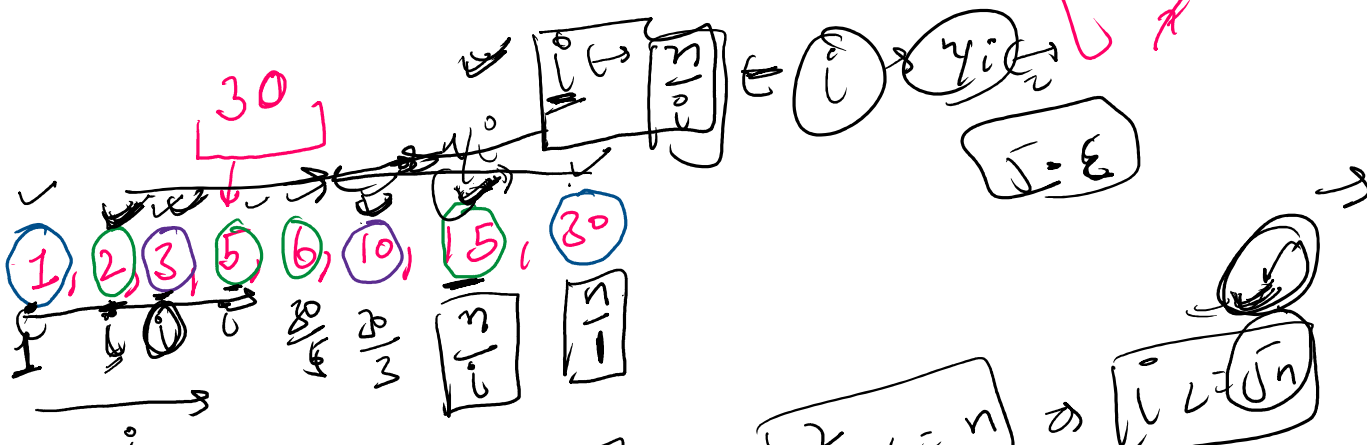
$$\left[\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array} \right] \left[\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array} \right] \left[\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array} \right]$$

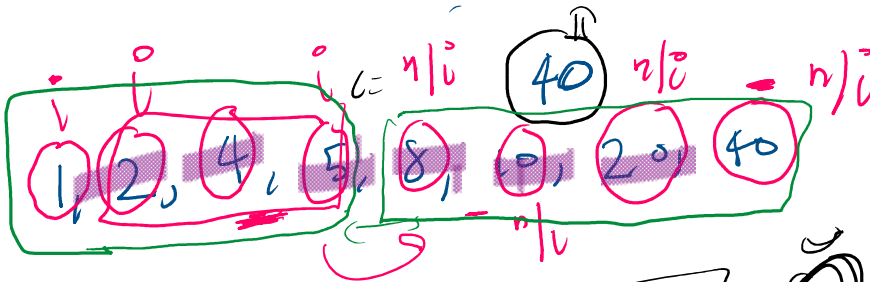
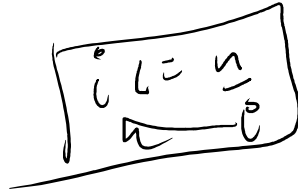
10) $\rightarrow [25 \dots 9]$ 

2 pms

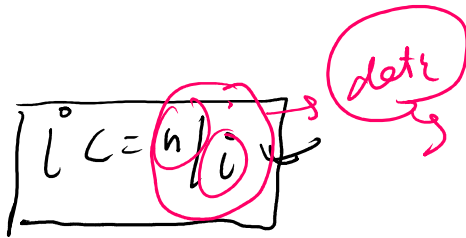
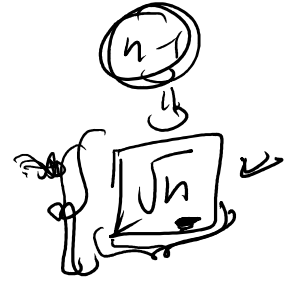
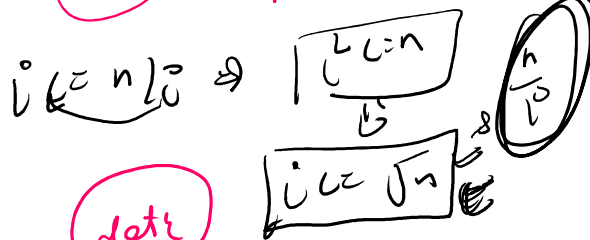
13 $[2 \dots 12]$

Handwritten notes for 'L' and 'R' with various symbols and numbers.





6.5



Important property of Modulus

$$37 \oplus 10 = 8$$

$$1254 \oplus 10 = 7$$

12540

$$10 \overline{) 12547}$$

$$10$$

$$25$$

$$20$$

$$54$$

$$20$$

$$47$$

⊕

$$abcde \cdot 10 = e$$

$$\Rightarrow 378 \cdot 10 = 78$$

$$14743 \cdot 10 = 43$$

⊕

$$abcdefg \cdot 10000 = \dots$$

$$147 \boxed{43} \cdot 100 \Rightarrow 14743$$

$$147 \boxed{43} \cdot \boxed{100} \Rightarrow 14743$$

$$\boxed{abcdeffg \cdot 10000} = defg$$

Prop p₂ = prop of division operator

$$100 \cdot \boxed{37}$$

$$\boxed{378} / 10 \Rightarrow 37$$

$$\boxed{14732} / 10 \Rightarrow \boxed{1473}$$

$$\textcircled{*} =$$

$$\boxed{abcde} / 10 \Rightarrow abcde$$

$$\Rightarrow \boxed{378} / 1000 \Rightarrow 0$$

$$\textcircled{*} = \boxed{abcdeffg} / 10000 \Rightarrow abcde$$

Reverse the digits of a number

$$n = \boxed{12345} \cdot 1$$

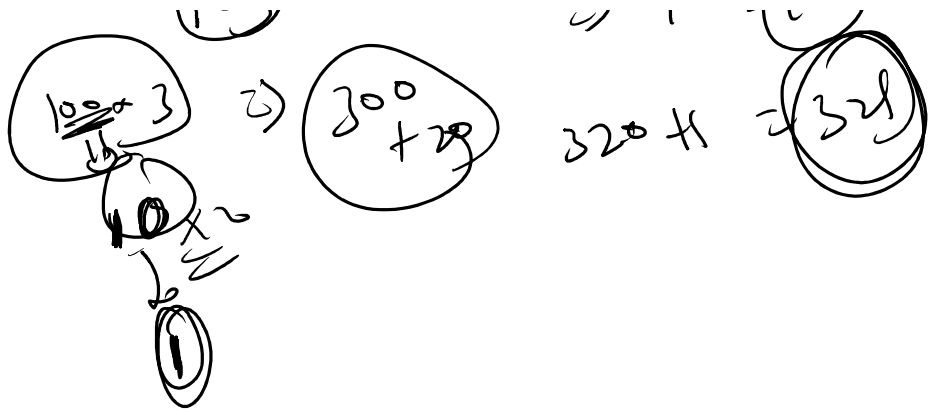
$$\textcircled{5} 4321$$

$$\underline{5}$$

$$\% \Rightarrow \textcircled{\text{dig}}$$

$$/ \Rightarrow \text{0 keys days}$$

$$2 \cdot \boxed{123} \Rightarrow \textcircled{3} \Rightarrow 10^{31} = \boxed{100}$$



Nested loops → one or more loops nested inside the another loop-

```

{
  for ( ... ) {
    for ( ... ) {
      // ...
    }
  }
}

```

②

```

for (int i = 1; i <= 2; i++) {
  for (int j = 1; j <= 3; j++) {
    cout << "Hello" << endl;
  }
}

```

①

```

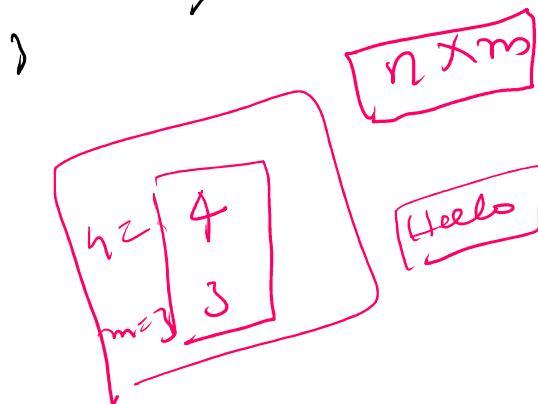
for (i = 1; i <= 2; i++) {
  // ...
}

```

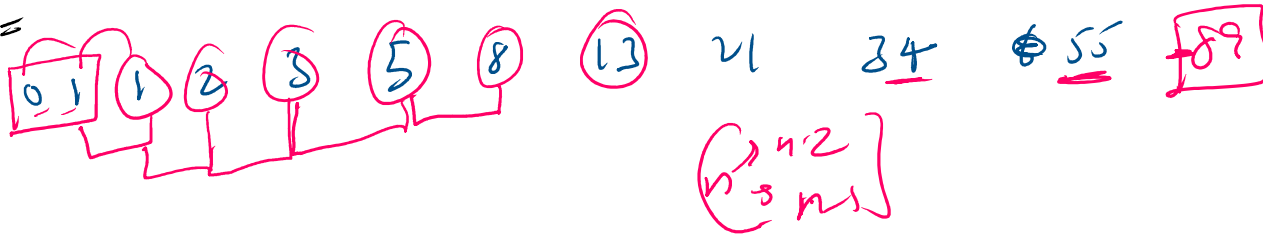
③

i = 1	j = 1	Hello
i = 1	j = 2	Hello
i = 1	j = 3	Hello
i = 2	j = 1	Hello
i = 2	j = 2	Hello
i = 2	j = 3	Hello

for $i = 1; i \leq n; i++$ {
 for $j = 1; j \leq m; j++$ {
 send ("Hello")
 }
}



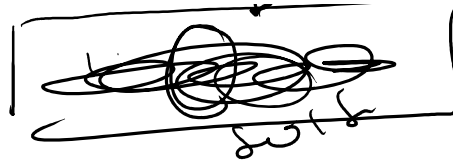
fibonacci



Keep list

for $i = 1; i \leq n; i++$ {





)