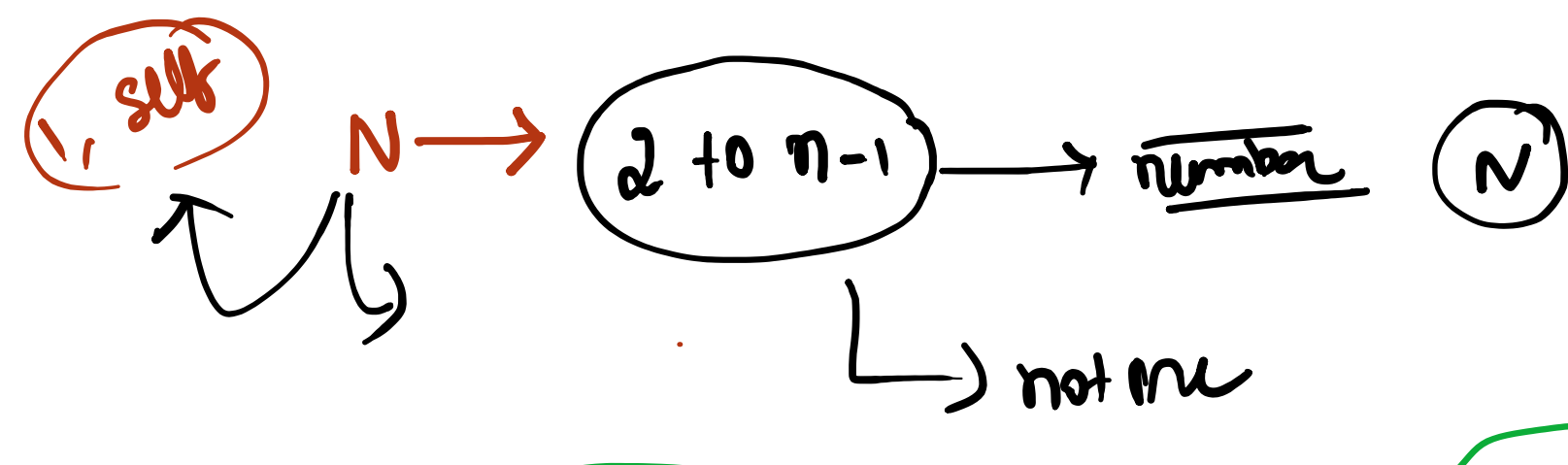


$\{ n \rightarrow \text{prime} \}$
 $\{ \rightarrow \text{not prime} \}$



$i = 2 \text{ to } i < n - 1 = n/i = 0$
 $2 + n - 1$

$N = 9$

$9 \times 1 = 9$
 $2 < 9$
 $\text{for } i = 2 \text{ to } i < n \text{ } i++$
 $\{ \text{if } (n \% i == 0) \}$
 $\{ \text{cout} << \text{not prime};$
 $\}$
 $\text{cout} << \text{prime};$

$N = 6$

$\text{int count} = 0 \rightarrow 1 \rightarrow 2$
 $\text{for } i = 2 \text{ to } i < n \text{ } i++$
 $\{ \text{if } (n \% i == 0) \}$
 $\{ \text{count}++$
 $\}$

$6 \% 2 = 0$
 $6 \% 3 = 0$
 $6 \% 4 \neq 0$
 $6 \% 5 \neq 0$

$\text{if } (\text{count} > 1) \{$
 not
 $\}$
 prime

```
#include<iostream>
using namespace std;
int main(){
    int n;
    cin>>n;
    int count=0;
    for (int i = 2; i < n; i++){
        if (n%i==0){
            count++;
        }
    }
    if(count>=1){
        cout<<"Not Prime"<<endl;
    }
    else{
        cout<<"Prime"<<endl;
    }
}
```

loop

#

1 to 10
 $7 \times$

$\text{for } i = 1 \text{ to } i < n \text{ } i++$
 $\{ \text{if } (i == 7) \}$
 $\{ \text{cout} << \text{not prime};$
 $\}$

```
#include<iostream>
using namespace std;
int main(){
    int n;
    cin>>n;
    for(int i=1; i<=n; i++){
        if(i==3){
            continue;
        }
        cout<<i<<endl;
    }
}
```

$n = 5$
 $1 \times 5 = 5$
 $2 \times 5 = 10$
 $3 \times 5 = 15$
 $4 \times 5 = 20$
 $5 \times 5 = 25$
 $6 \times 5 = 30$

$N = 6$

Fibo

0 1 2 3 5 8 13 21 34 55 89

$b = \square$
 $a \rightarrow b$

① $c = a + b = 0 + 1 = 1$
 $a = b = 1$
 $b = c = 1$
② $c = a + b = 1 + 1 = 2$
 $a = b = 1$
 $b = c = 2$
③ $c = a + b = 1 + 2 = 3$
 $a = b = 2$
 $b = c = 3$
④ $c = a + b = 2 + 3 = 5$
 $a = b = 3$
 $b = c = 5$
⑤ $c = a + b = 3 + 5 = 8$
 $a = b = 5$
 $b = c = 8$
⑥ $c = a + b = 5 + 8 = 13$
 $a = b = 8$
 $b = c = 13$

10 + 12 = 22

2346

$2346 \rightarrow 2+3+4+6 = 15$

$2386 = 2+3+8+6$

$2386 / 10 = 238$
 $2386 \% 10 = 6$

$2386 =$
 238
 23
 2
 0
 $\text{while } (n > 0) \{$
 $\text{sum} = n \% 10$
 $\text{sum} = \text{sum} * 10 + \text{sum}$
 $n = n / 10$
 $\}$
 $\text{for } (i = 0; i < n; i++) \{$
 $\text{sum} = n \% 10$
 $\text{sum} = \text{sum} * 10 + \text{sum}$
 $n = n / 10$
 $\}$

$N = 2397 \rightarrow 7+9+3+2$
 $2397 \rightarrow 239$
 $239 \rightarrow 23$
 $23 \rightarrow 2$
 $2 \rightarrow 0$
 $\text{while } (n > 0) \{$
 $\text{sum} = n \% 10$
 $\text{sum} = \text{sum} * 10 + \text{sum}$
 $n = n / 10$
 $\}$
 $\text{for } (i = 0; i < n; i++) \{$
 $\text{sum} = n \% 10$
 $\text{sum} = \text{sum} * 10 + \text{sum}$
 $n = n / 10$
 $\}$

① 2349 \rightarrow 9432

$n = 2349$

$2349 = 2 \times 10^3 + 3 \times 10^2 + 4 \times 10^1 + 9 \times 10^0$
 $2349 = 2365$
 $2365 = 236 \times 10 + 5$
 $2365 = 2360 + 5$
 $2365 = 2365$
 $2365 = 236 \times 10 + 5$
 $2365 = 2360 + 5$
 $2365 = 2365$
 $2365 = 236 \times 10 + 5$
 $2365 = 2360 + 5$
 $2365 = 2365$

2349
234
23
2
0

$\text{while } (n > 0) \{$
 $\text{sum} = n \% 10$
 $\text{sum} = \text{sum} * 10 + \text{sum}$
 $n = n / 10$
 $\}$

$\text{cout} << \text{sum}$

cin>>n
cout<<n
sum = 0
while (n > 0)
{
sum = sum * 10 + n % 10
n = n / 10
}
cout<<sum