# Programming

1. ⭐ Switch문 사용

5  합계값 = i      i : scan

6.   ex)   53/10  .   53 % 10
                ⇓              ⇓
                5    ⟺    3

2. 1    가능

3    while if printf.
              ⇓
5    완성     sum = i + sum ;

7    scan, i    temp    while(i <= 2+temp)
9    if 완성          ⤵ 완성하면됨

     k > 9 이면   "배열정렬다"

l)    while ( temp < i )
      if  ( i % temp = 0 )
           printf( temp )

      else

13  A[1]  ⇒ 윈  좌표을으로  낚겨가 저장

Scan  a,  b.                    A[0] ~ A[n-2] 라배
        ↓      ↓                        + b
        을     의

15    Count 를  while 조곤을 리룽

   while  Scanf.
        if

17.    for ( i = 1 ; i <= 100 ; i++ ) {
            Sum = Sum + i
        }

19    ^^^mh

        dx
21    Scan    i              while ( Count < i )

23

25

4. scan - score

5. scan i

```
System. out. println (" choose one of the following" +
                    " apple " + " orange " + " banana"
            + "peach" )

System. out. println (" enter your choice here" + i );
    a = input. nextInt ();
        1.              ( " - -  -  - - -." );
```

6   scan : number.                    print ( 10.b + a ).
    int   a ;
    int   b ;

    a = number / 10 ;

    b = number / 10 ;

3.
```
int n = 1 ;
while ( n <= 33)
{ print (3n) ;
  n++ ;}
```

5.
```
int n = 1;
int sum ;
while (n <= 33)
  sum = sum + 3n ;
  n++; }
```

7.
```
scan i
int sum ;
while ( i != 0) {
  sum = i + sum ;
```

11. scan i

9.
```
scan i
int temp ;
temp = i
int p = 1
while ( i <= 9 * temp) {
  if ( i > 9)
    print ( 다시입력하세요 )
  else {
    print ( i * p ) ;
    p++;
  }
}
```

1.

```
int i = 1
      |
      v
   < i <= 10 >  --F-->  END
      |
      T
      v
   print i
   i++
```

3.

```
┌─────────────────┐
│  int i = 1      │
│  num = 0        │
└─────────────────┘
```

i <= 100 ──F── print num

T

3이 배수 ──T── num = num + i
                i ++

F

i ++

5.

```
┌─────────────────┐
│  int i = 1      │
│  num = 0        │
└─────────────────┘
```

i <= 100

F → print num

T

30으로 나눔

T → num = num + i
      i ++

F

i ++

가)

```
┌─────────────────┐
│  i  입력        │
│                 │
│  num = 0        │
└────────┬────────┘
         │
         ▼
      ╱╲  ╱╲
     ╱    ╲    ╱╲ ────── T ──── ┌──────────────┐
    ╱  i ≠ 0   ╲               │ num = num + i │
     ╲        ╱                └──────────────┘
      ╲  ╱ ╲╱
       F│
        │
┌───────┴─────────┐
│  num  출력      │
└─────────────────┘
```

9.

```
┌─────────┐
│  i, p   │
└────┬────┘
     │
     ▼
   ╱ p < 10 ╲
   ╲        ╱ ──────────────┐
     │                      │
     ▼                      ▼
   ╱ i ≥ 9. ╲   참      ┌─────────┐
   ╲        ╱ ───────→ │ 다시출력 │
     │ 거짓              └─────────┘
     ▼
┌─────────┐
│  p × i  │
│  p++    │
└─────────┘
```

11.

```
┌─────────────────────┐
│  m, d 입력          │
│                     │
│  Sum = 0            │
└─────────────────────┘
           │
           │
        ◇ n = 1 ◇ ──────────→ ┌─────────────┐
                              │ Sum = d     │
                              └─────────────┘
           │
           │
        ◇ n = 2 ◇ ──────────→ ┌─────────────┐
                              │ Sum = 당 + d │
                              └─────────────┘
           ┆
           │
           ↓
┌─────────────────────┐
│  Sum 쑤 출력        │
└─────────────────────┘
```

int m, a
count = 0

count < 10

if

A < m
출력

a > m
작습니다

A = m
맞혔습니다

끝.

17

```
┌─────────────┐
│  a = 1      │
│  sum = 0    │
└─────────────┘
       │
       ▼
     ◇ a ≤ 101 ◇ ──T──► ┌──────────────┐
       │                │ sum = sum+a  │
       F                │   a ←+        │
       │                └──────────────┘
       ▼
┌─────────────┐
│  print sum  │
└─────────────┘
```

19

```
m
int i = 2
```

m <= 1 — T

m > i
m % i == 0 — F

T

i == m

T

소수입니다

소수가 아닙니다

2

```
int n
sum = 0 , k=2
```

$n > k$

int i=2

끝

소수인가

sum
= k+sum
k++

k++

25

```
int i
int count = 9
```

```
i = 1

i <= count
```

```
count = count - 2
print    *
```

```
int i
```

```
i = 1

i <= count
```

```
count = count + 2
print    *
```

4.

```
┌─────────────────┐
│   a 입력         │
└────────┬────────┘
         │
         ▼
      ╱──────╲                    ┌─────────────────────┐
     ╱ a > 100 ╲  ──────────────► │ 100보다 커서 오류     │
     ╲         ╱                   └─────────────────────┘
      ╲──────╱
     F   │
         ▼
      ╱──────╲                    ┌─────────────────────┐
     ╱ a ≥ 90 ╲  ────────────────►│         A           │
     ╲        ╱                    └─────────────────────┘
      ╲──────╱
         │
         ▼
      ╱──────╲                    ┌─────────────────────┐
     ╱ a ≥ 60 ╲  ────────────────►│         B           │
     ╲        ╱                    └─────────────────────┘
      ╲──────╱
         │
         ▼
      ╱──────╲                    ┌─────────────────────┐
     ╱ a ≥ 40 ╲  ────────────────►│         C           │
     ╲        ╱                    └─────────────────────┘
      ╲──────╱
         │
         ▼
      ╱──────╲                    ┌─────────────────────┐
     ╱ a ≥ 20 ╲  ────────────────►│         D           │
     ╲        ╱                    └─────────────────────┘
      ╲──────╱
         │
         ▼
   ┌─────────────┐
   │      E      │
   └─────────────┘
```

F

String a

a 길이[?]

Z̃.

6
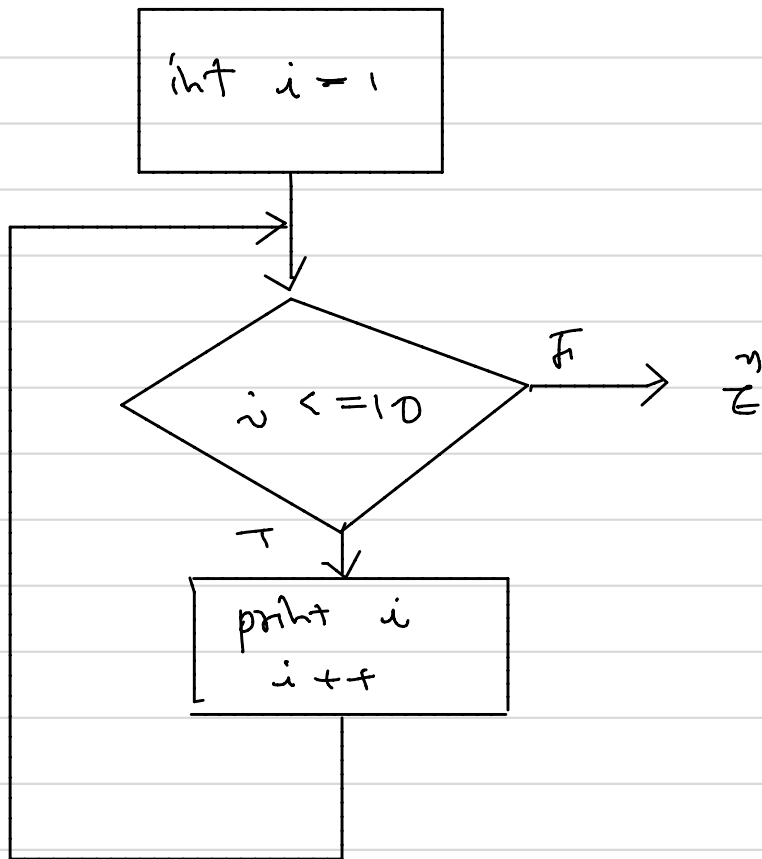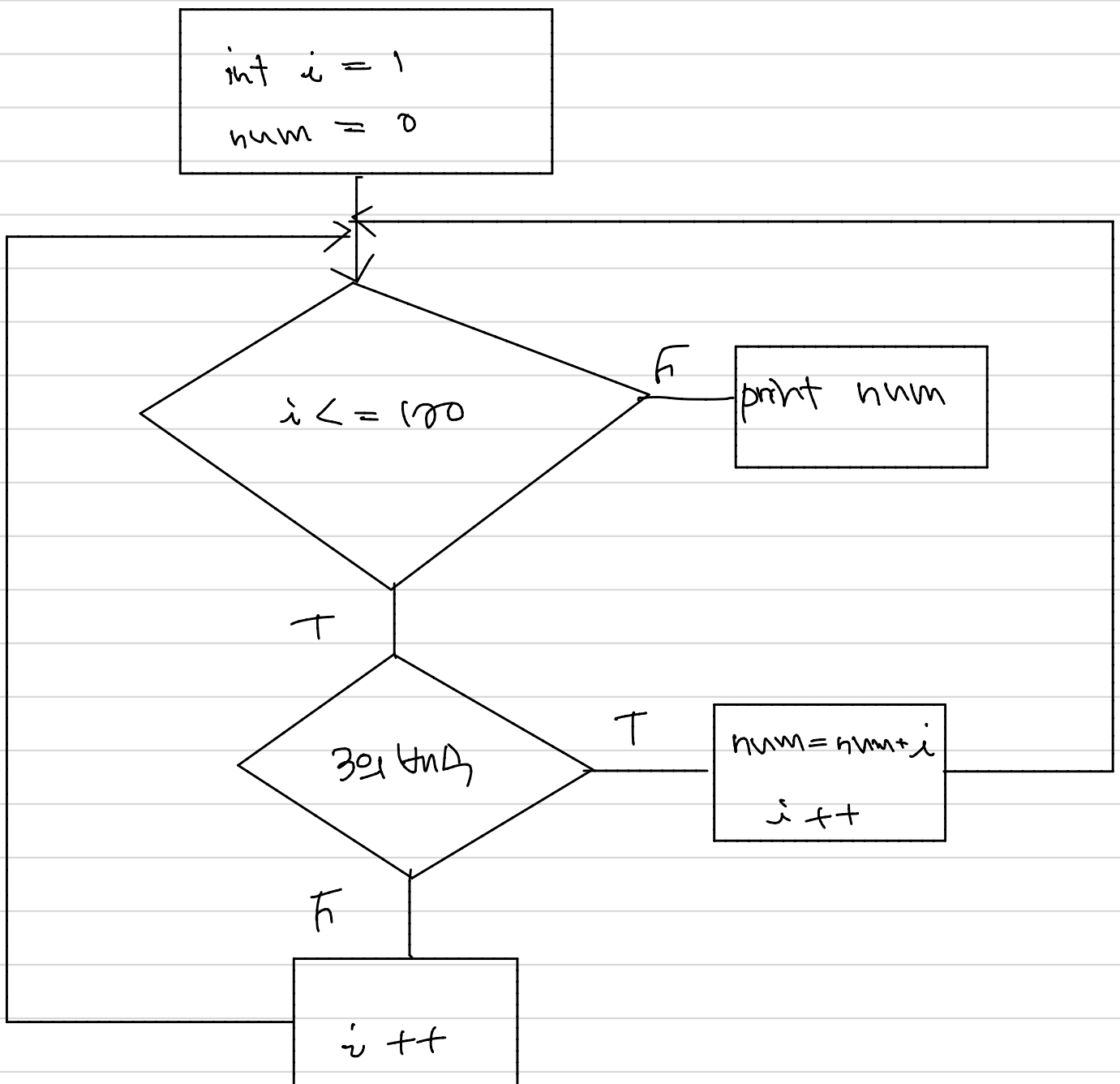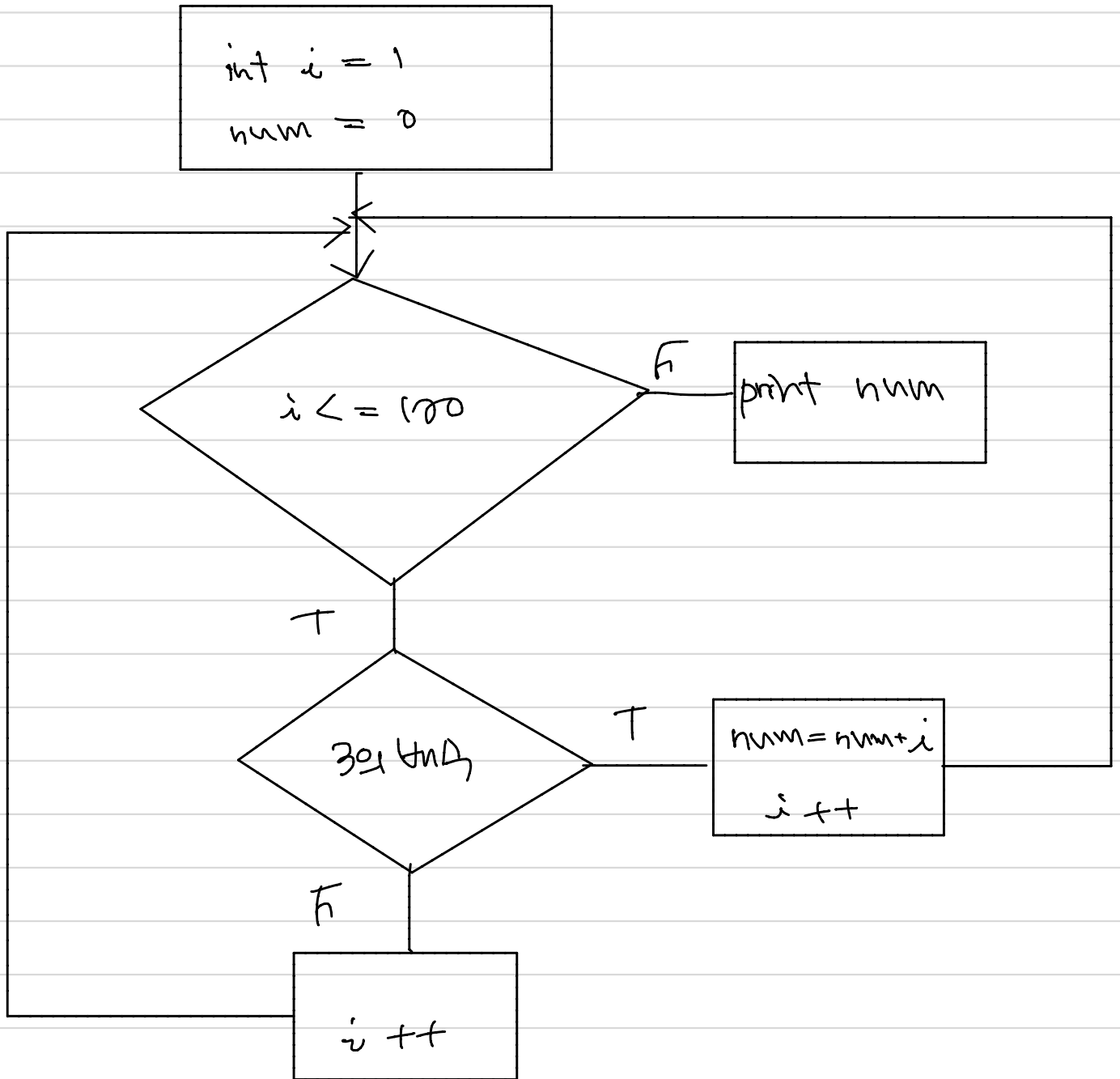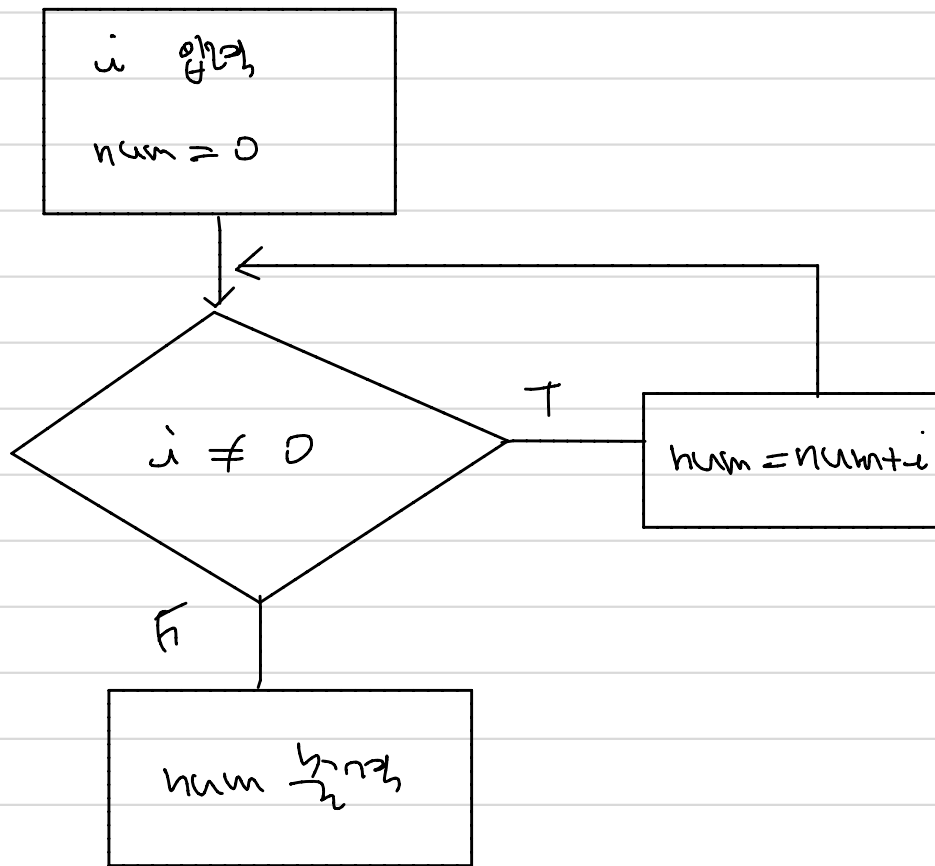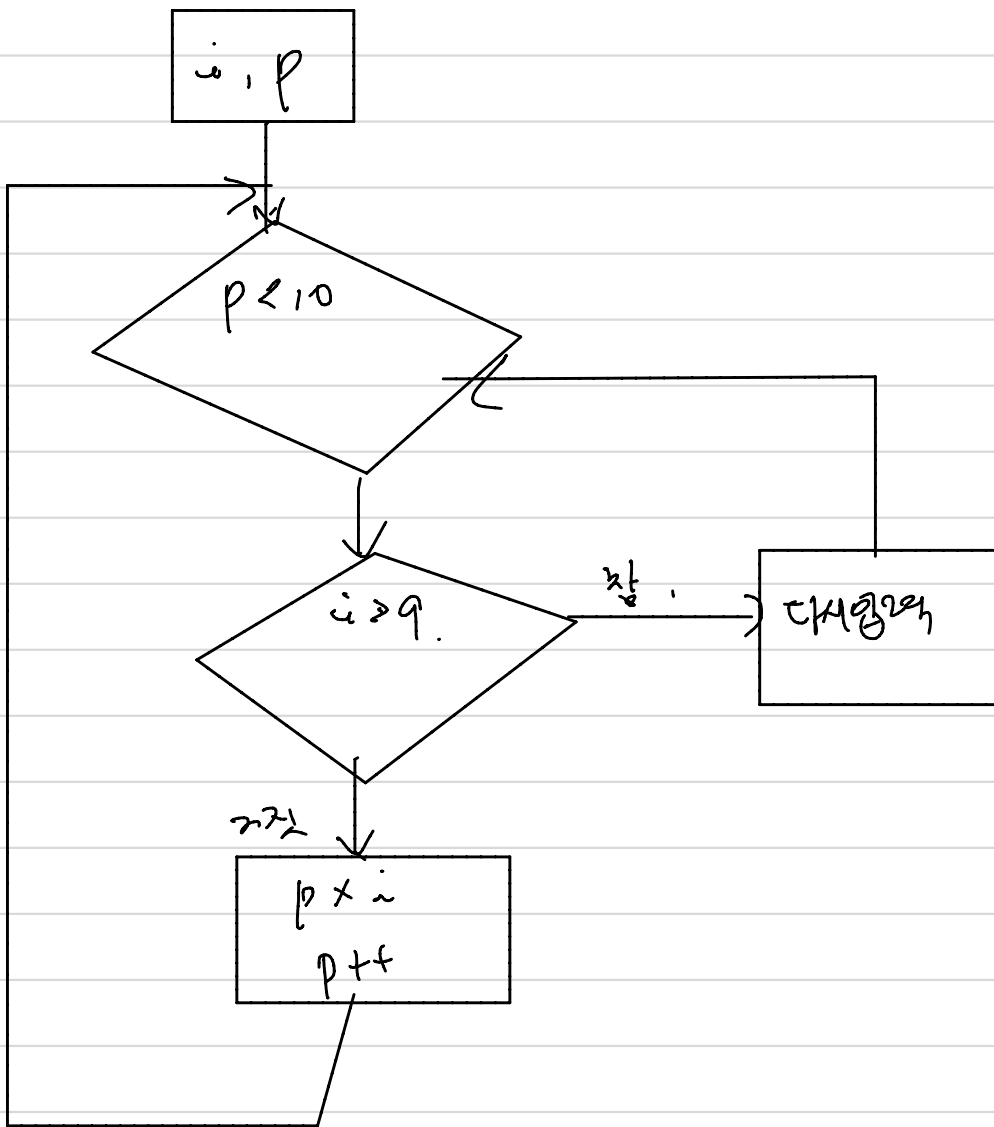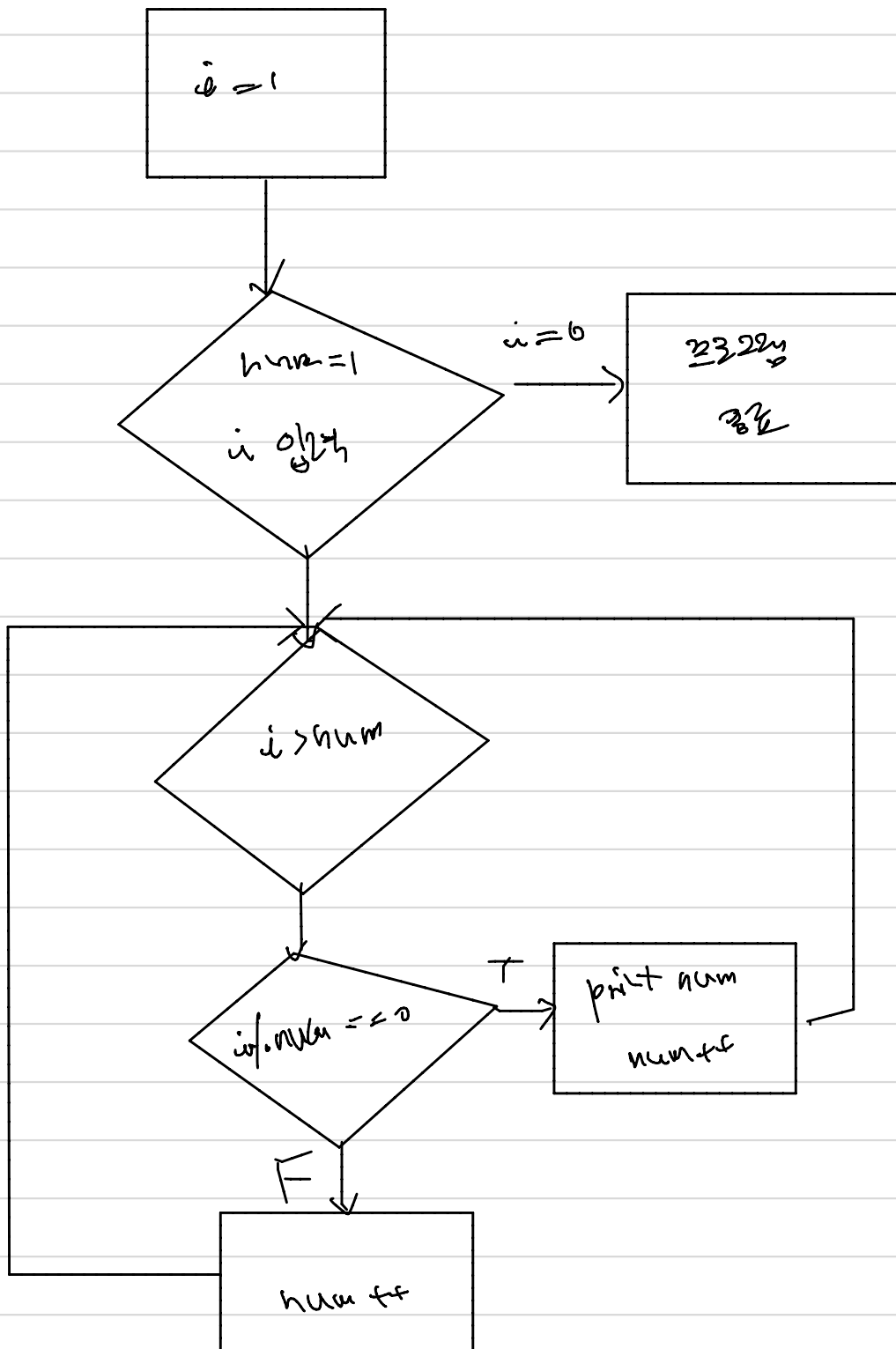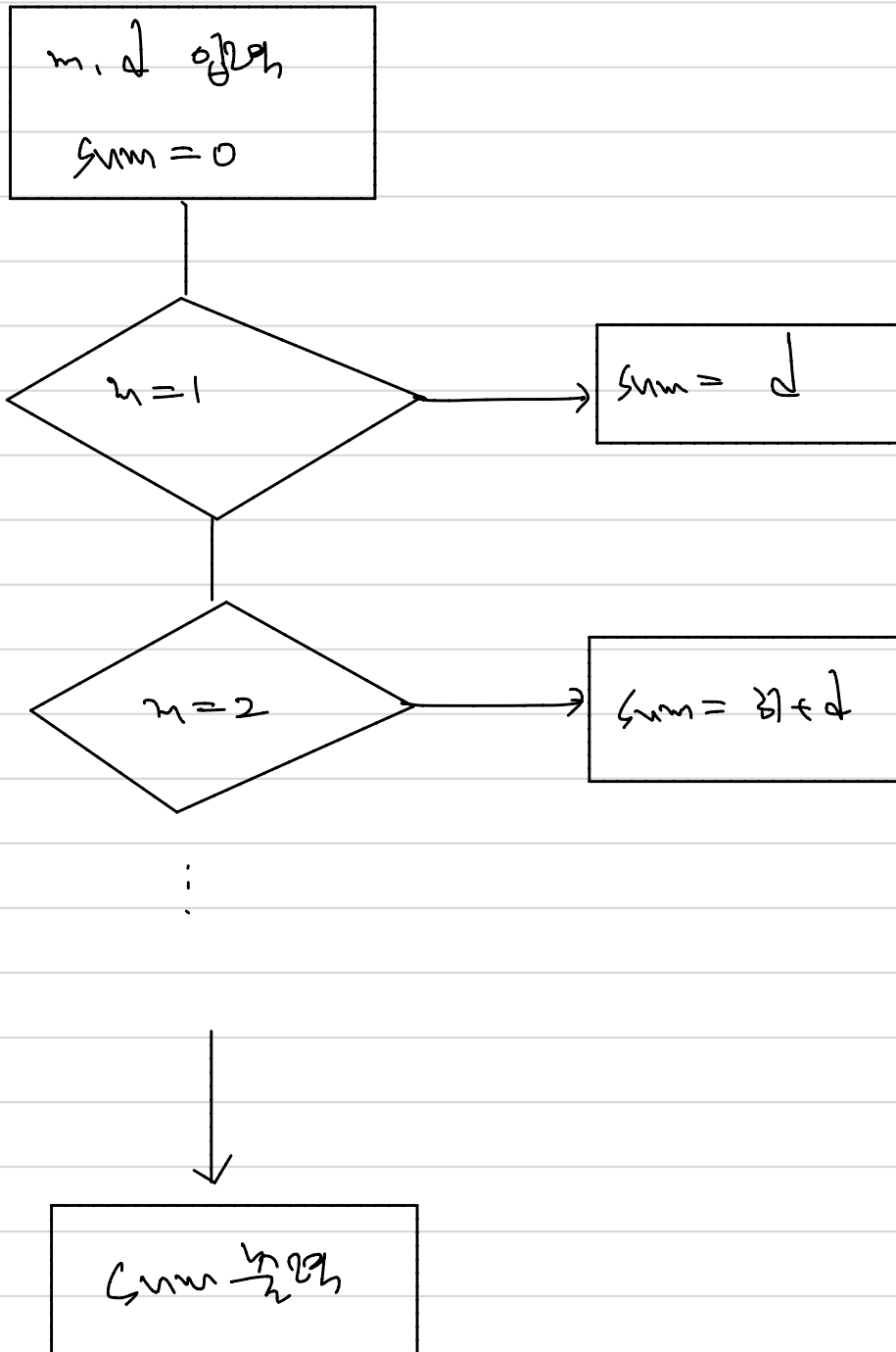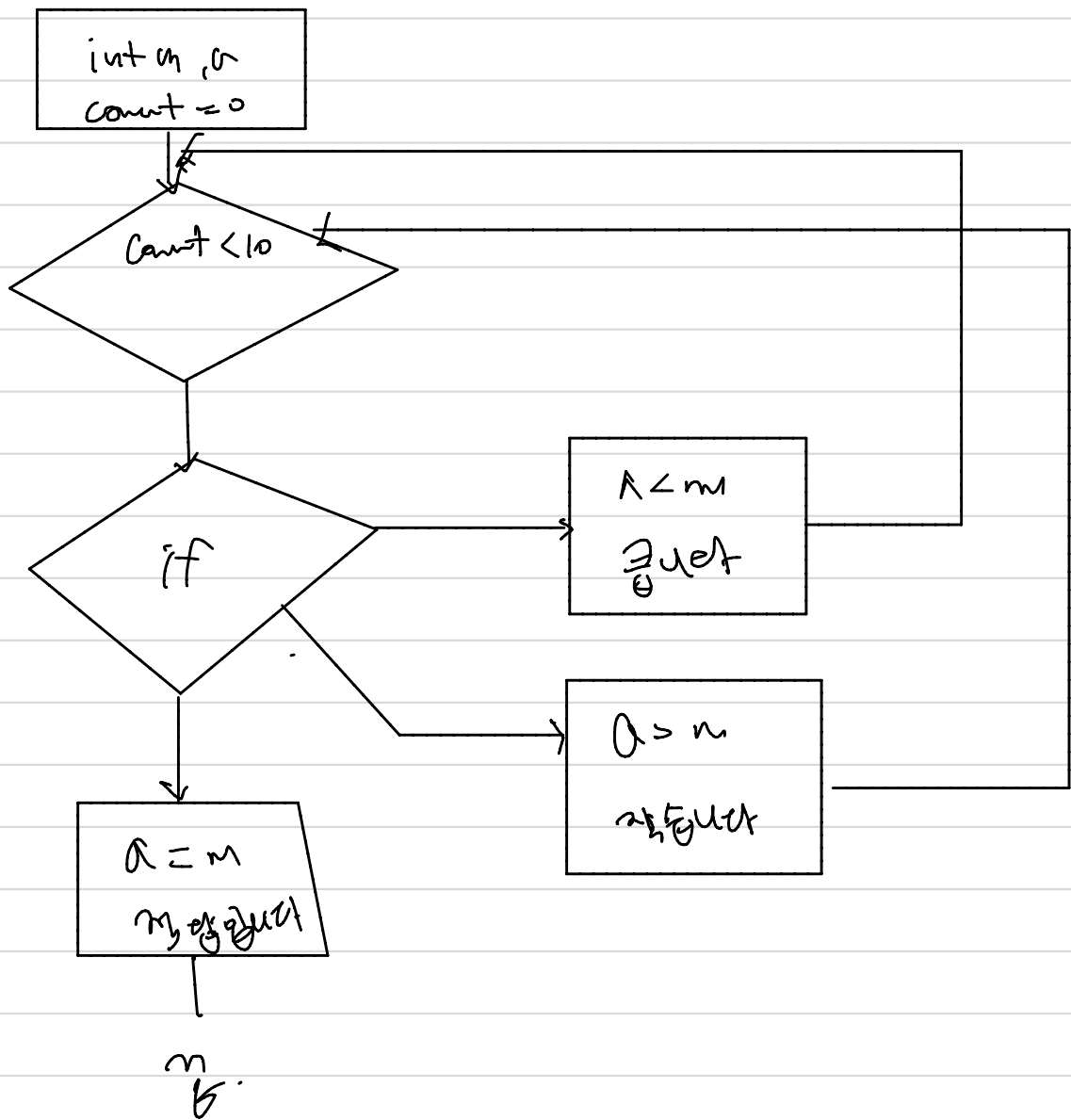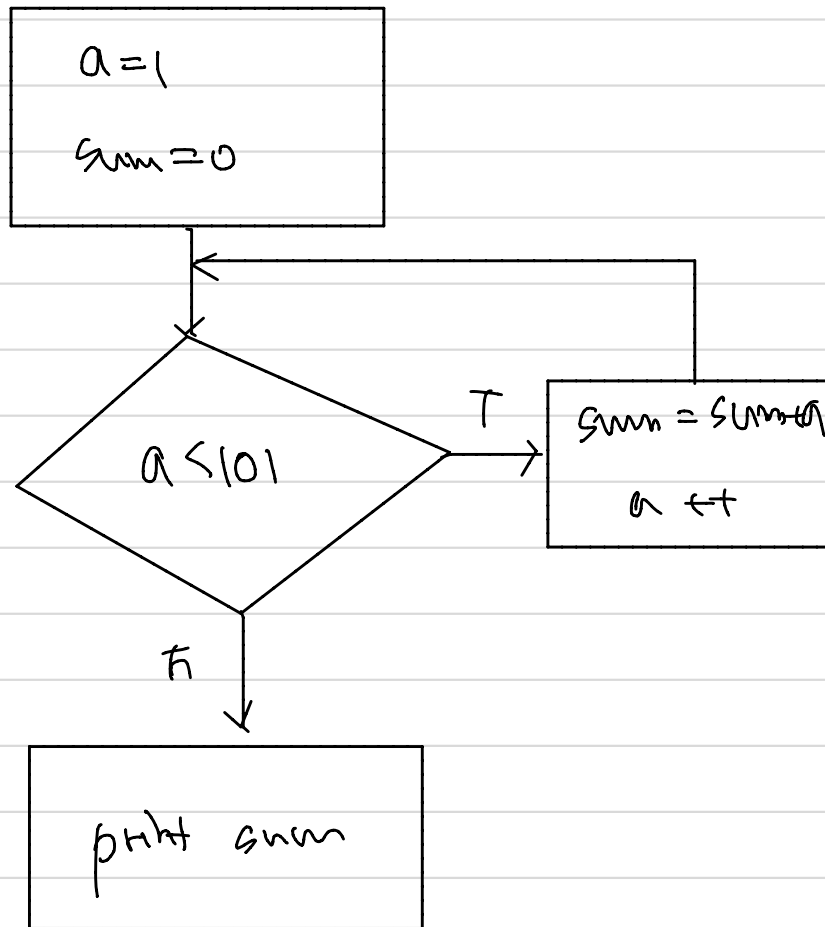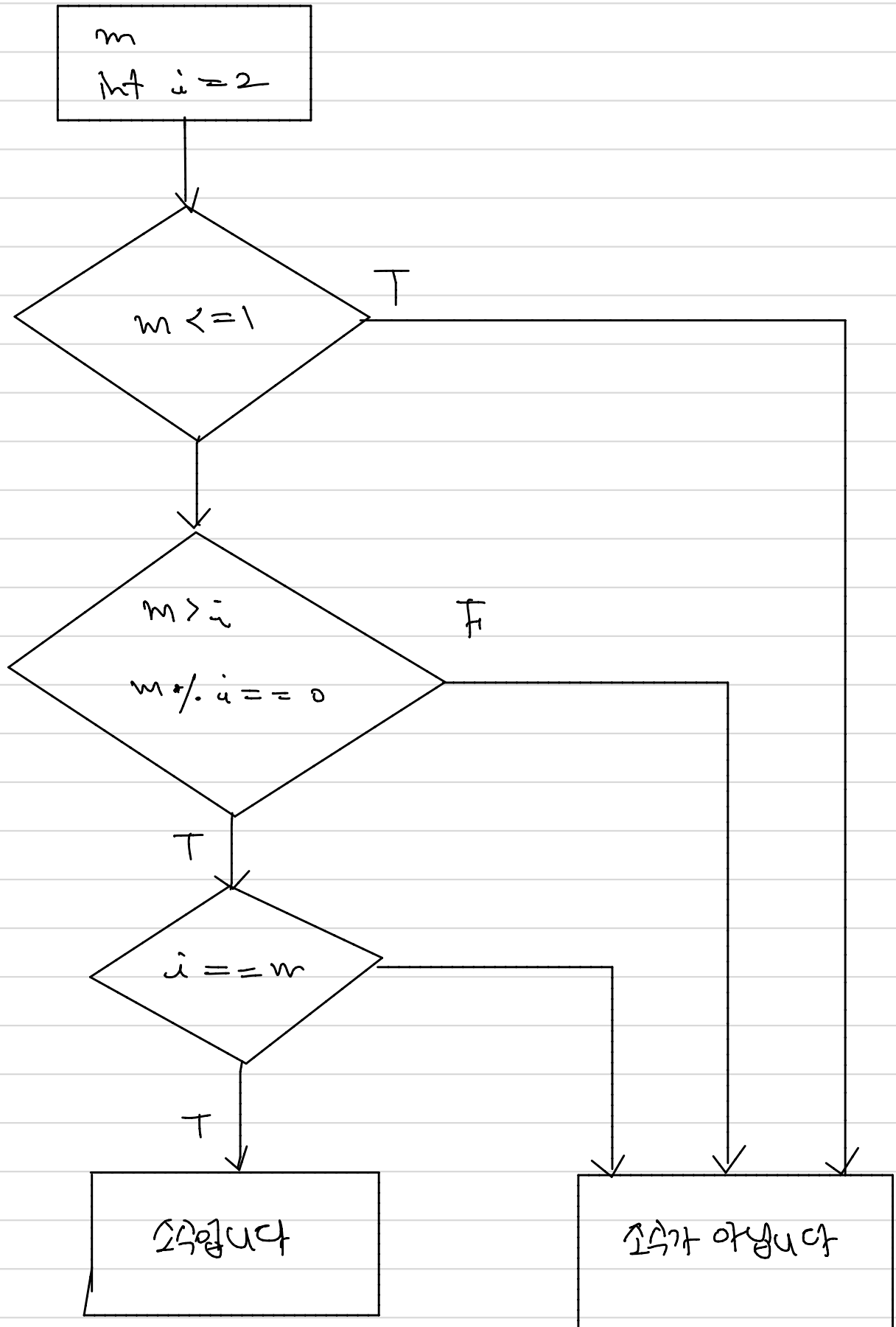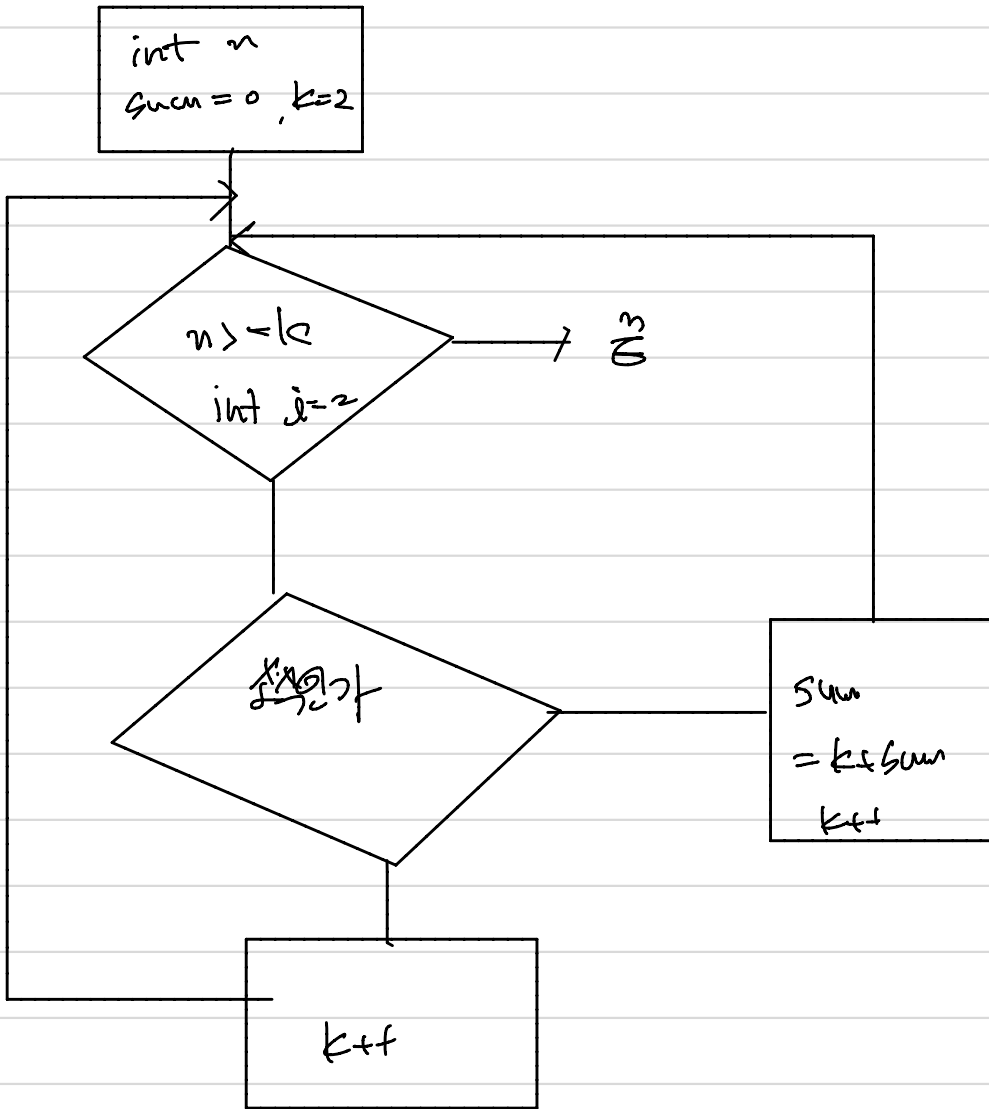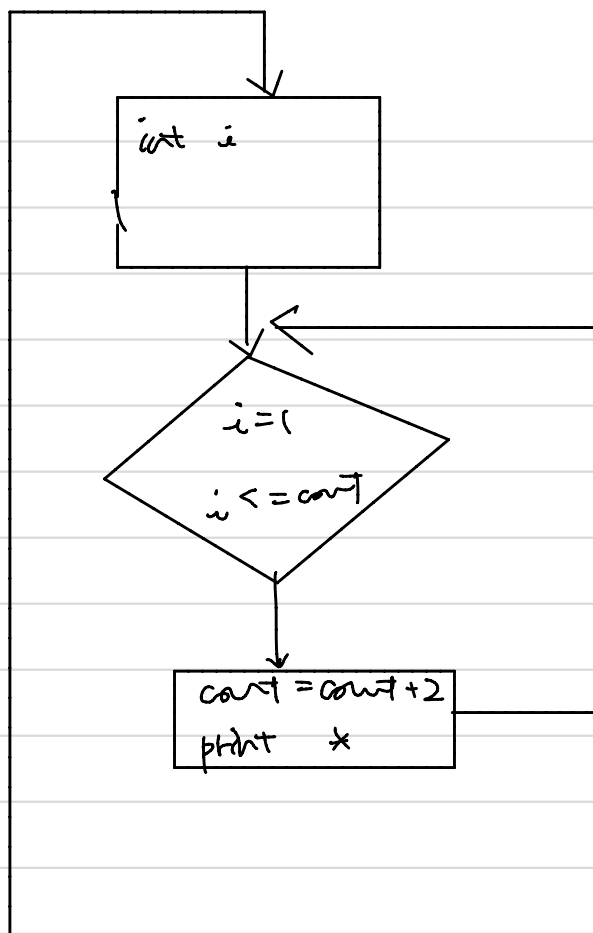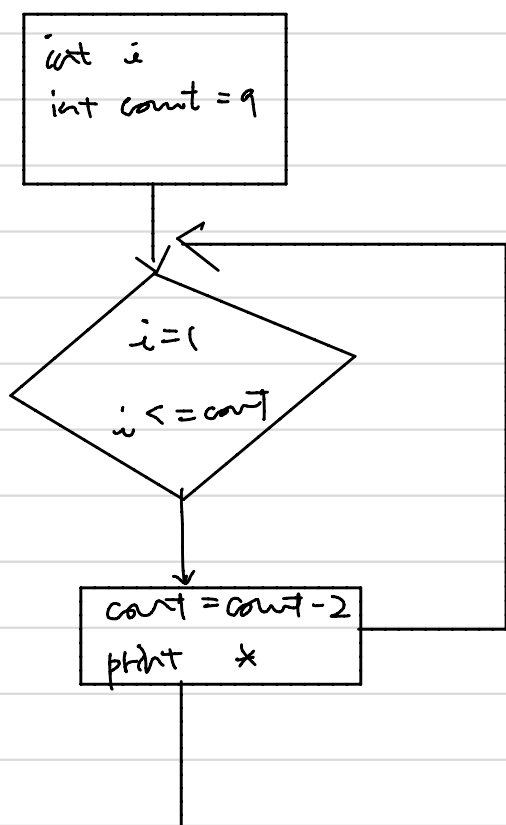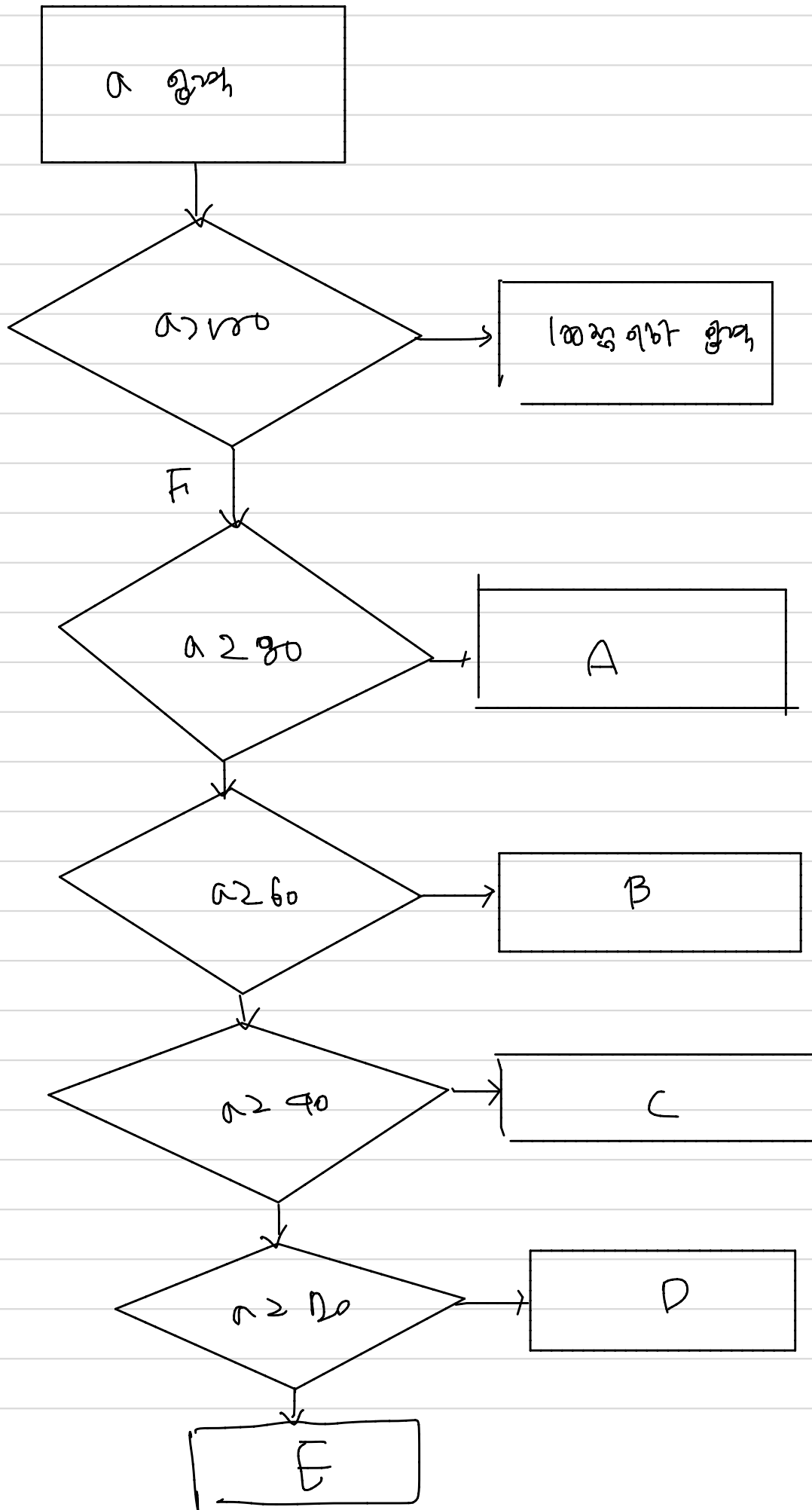
```
n  입력
int num
```

↓

```
a =  n / 10
b =  n % 10
```

↓

```
num =  a + 10 * b.
num 출력
```

$\dfrac{m}{t}$