

(1)  
 1  
 1 2 3 (4)

L5  
 G5 G8  
 G5 G6 G7 (68)  
 G5 G6 G7 (68)

A  
 BB  
 CCE  
 DDDD

G5  
 G6 G6  
 G7 G7 G7  
 G8 G8 G8 CP

int i, j;  
 for (i = 65; i <= 68; i++)

{  
 for (j = 65; j <= i; j++)

printf("%c", i);

}  
 printf("\n");

i = 65 |  
 j = 65 |  
 j = 66 |  
 j = 67 |  
 j = 68 |  
 for (j = 65; j <= i; j++)

i: 2 | x = 'D'  
 i: 3 | x = 'E'  
 i: 4 | x = 'F'

A  
 BB  
 CCE  
 -1

i: 3 | x = 'E'  
 i: 4 | x = 'F'  
 char x = 'A';  
 for (i = 1; i <= 4; i++)

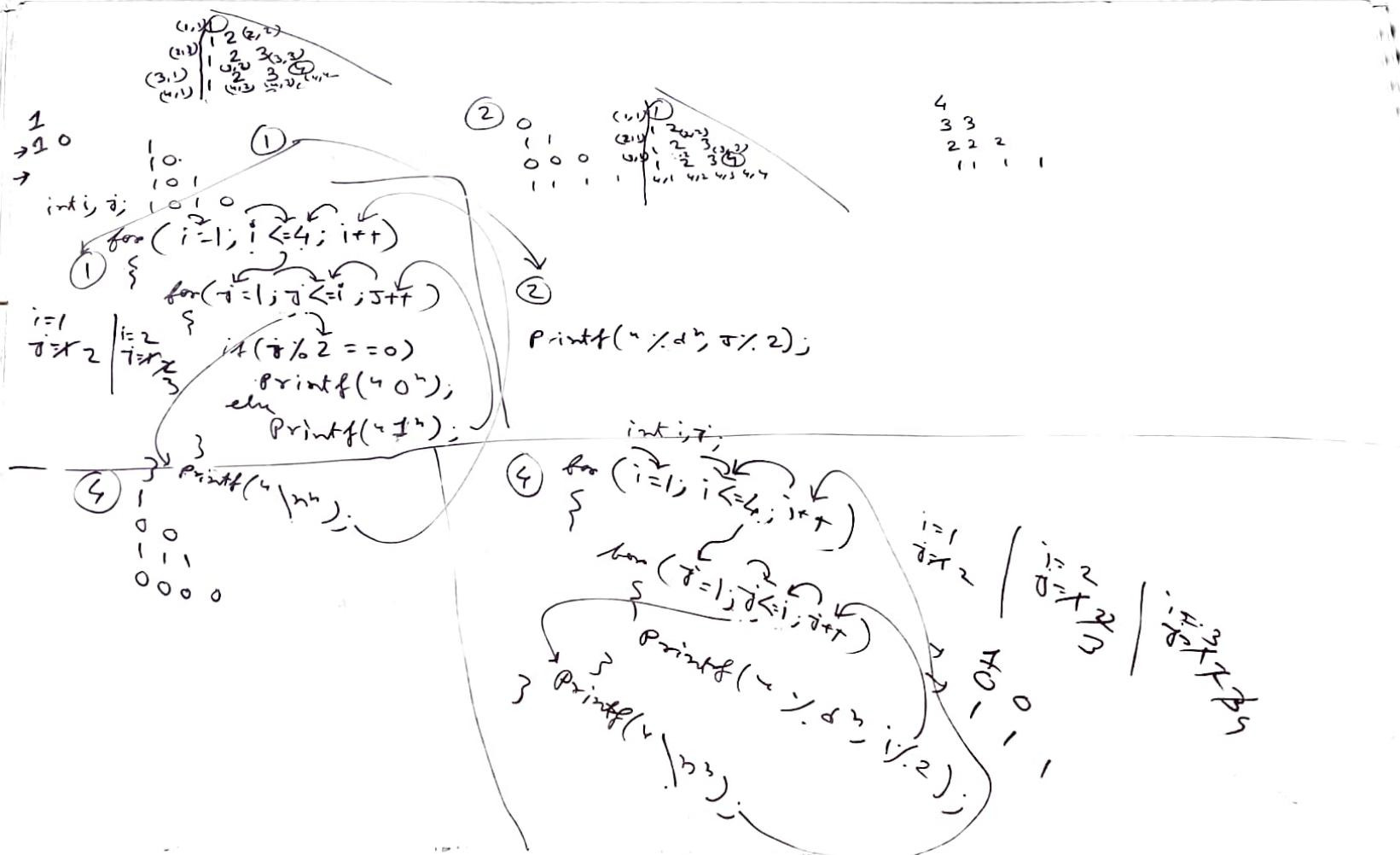
i: 1 | x = 'A'  
 i: 2 | x = 'B'  
 i: 3 | x = 'C'  
 i: 4 | x = 'D'

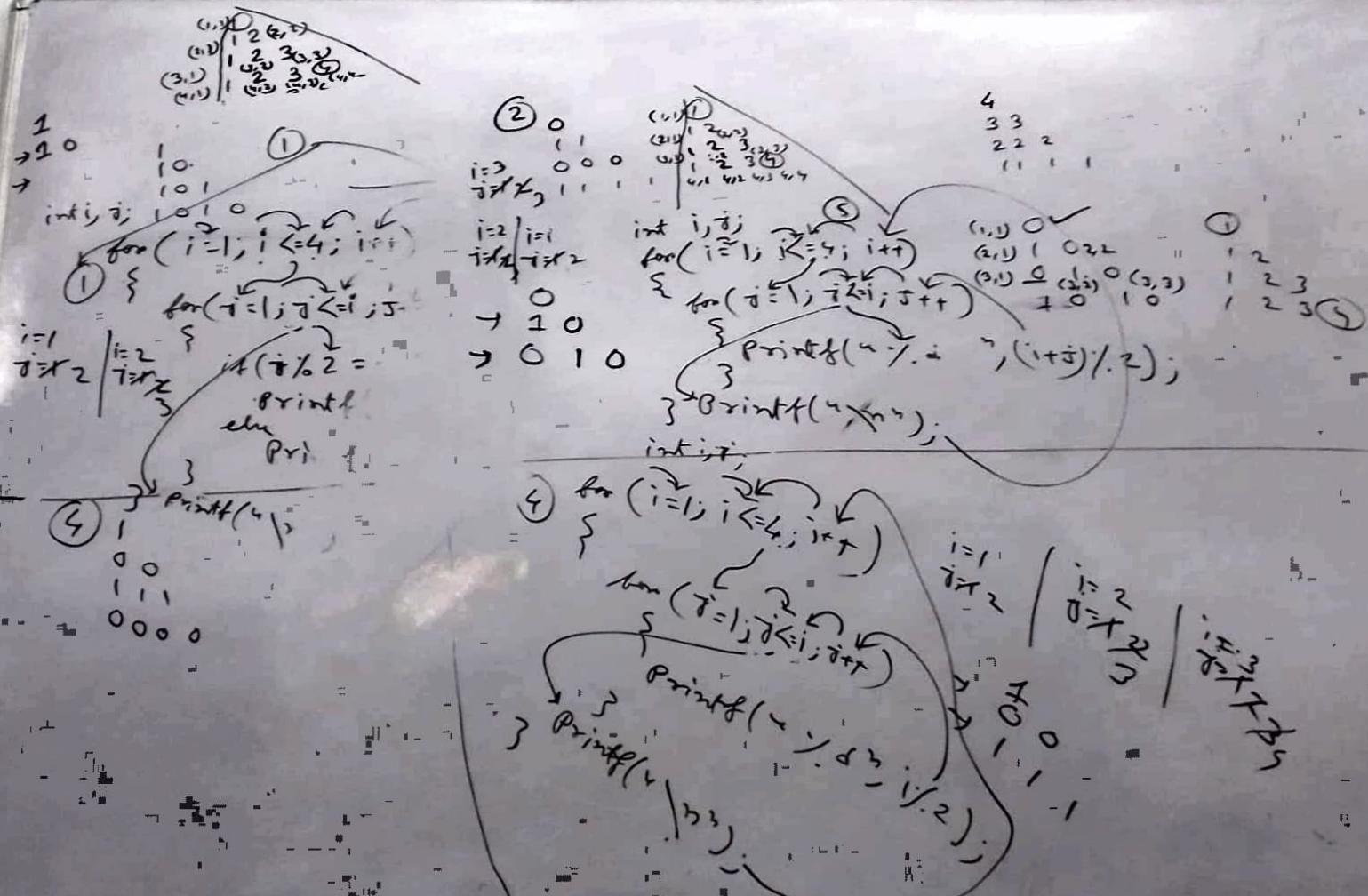
for (i = 1; i <= i; i++)

printf("%c", i);

x++  
 printf("%c", x);

x++  
 printf("%c", x);





$$A = 65^\circ \quad a = 97$$

$$Z = 90 \quad Z = 122$$

A B C D

A B C

A B

A

A

B A

C B A

D C B A

A

A B

A B C

A B C D

A B C D

B C D

C D

D

D C B A

C B A

B A

A

A  
B C  
D E F  
G H I J

A B C D

E F G

H I

J

1  
2 3  
4 5 6  
7 8 9 10

D C B A

D C B

D e

D

A

B B

C C e

D D D

D

C e

B B B

A A A A

D  
C e  
B B B  
C e e e

D D D D

C e e

B B

A

A A A A

A A A

A A

A

A B C D  
E F G H

I J K L

M N O P

$$\begin{array}{l} A=65 \\ Z=90 \end{array}$$

$$\begin{array}{l} A=97 \\ Z=122 \end{array}$$

(VII)  $\begin{array}{c} ABCD \\ AB^C \\ AB \\ A \end{array}$

$\begin{array}{c} A \\ AB \\ ABC \\ ABCD \end{array}$

$\begin{array}{c} ABCD \\ BCD \\ CD \\ D \end{array}$

(III)  $\begin{array}{c} A \\ BC \\ DEF \\ GHIJ \end{array}$

$\begin{array}{c} ABCD \\ EFG \\ HI \\ J \end{array}$

(VI)  $\begin{array}{c} A \\ BA \\ CBA \\ DCBA \end{array}$

$\begin{array}{c} D \\ DC \\ DCB \\ DCBA \end{array}$

$\begin{array}{c} DCBA \\ CBA \\ BA \\ A \end{array}$

(IV)  $\begin{array}{c} 1 \\ 23 \\ 456 \\ 789 \\ 10 \end{array}$

$\begin{array}{c} DCBA \\ DCB \\ DC \\ D \end{array}$

(V)  $\begin{array}{c} A \\ BB \\ CCC \\ DDD \end{array}$

$\begin{array}{c} D \\ CC \\ BBB \\ AAAA \end{array}$

$\begin{array}{c} D \\ CC \\ BBB \\ CCCCC \end{array}$

$\begin{array}{c} DD \\ CC \\ BB \\ A \end{array}$

$\begin{array}{c} AAAA \\ AAA \\ AA \\ A \end{array}$

(I)  $\begin{array}{c} ABCD \\ EFGH \\ IJKL \\ MNOP \end{array}$

(1)  
 1  
 1 2 3 (4)

L5  
 G5 G8  
 G5 G6 G7 (68)  
 G5 G6 G7 (68)

A  
 BB  
 CCE  
 DDDD

G5  
 G6 G6  
 G7 G7 G7  
 G8 G8 G8 CP

int i, j;  
 for (i = 65; i <= 68; i++)

{  
 for (j = 65; j <= i; j++)

printf("%c", i);

}  
 printf("\n");

i = 65 |  
 j = 65 |  
 j = 66 |  
 j = 67 |  
 j = 68 |  
 for (j = 65; j <= i; j++)

i: 2 | x = 'D'  
 i: 3 | x = 'E'  
 i: 4 | x = 'F'

A  
 BB  
 CCE  
 -1

i: 3 | x = 'E'  
 i: 4 | x = 'F'  
 char x = 'A';  
 for (i = 1; i <= 4; i++)

i: 1 | x = 'A'  
 i: 2 | x = 'B'  
 i: 3 | x = 'C'  
 i: 4 | x = 'D'

for (i = 1; i <= i; i++)

printf("%c", i);

x++  
 printf("%c", x);

x++  
 printf("%c", x);

Asce 11

1 2  
| 2 3  
| 2 3 4

D  
CD  
B CD  
A BCD

x = 'D';

i = 1

for ( i = 1; i <= 4; i++ )

    D  
    D  
    D  
    D  
    D  
    D  
    D

int i, j;  
for ( i = 1; i <= 4; i++ )

    {  
        for ( j = i; j <= 4; j++ )

            printf( " /c ", x ),

            j <= 4 ? j : 4 - j  
            {  
                printf( "\n" );

    }

    char x = 'D';

    for ( i = 1; i <= 4; i++ )

        for ( j = i; j <= 4; j++ )

            {  
                printf( " /c ", x ),

                j <= 4 ? j : 4 - j  
                {  
                    printf( "\n" );

( 65 - x )

ASCII

1  
2 3 4  
2 3 4

D  
e D  
B C D  
A B C D

68

67 68

66 67 68

65 66 67 68

i=67 / i=68

j=68 69

68 69

int i, j; ~  
for (i = 68; i >= 65; i--) ~

{ ~  
for (j = i; j <= 68; j++) ~

printf("%c", x); ~

printf("\n\n"); ~

(65 - x)

int i, j;  
char x = 'D'; ~  
for (i = 1; i <= 8; i++) ~

{ ~  
for (j = 1; j <= i; j++) ~

{ ~  
for (x = 'A'; x <= j; x++) ~

{ ~  
for (x = 'A'; x <= j; x++) ~

{ ~  
for (x = 'A'; x <= j; x++) ~

{ ~  
for (x = 'A'; x <= j; x++) ~

{ ~  
for (x = 'A'; x <= j; x++) ~

$$A=65 \quad x=112 \\ z=90 \quad z=122$$

65	66	67	(68)
65	66	67	A
65	66	67	B
65	66	67	C
65	66	67	D

i = 68

j = 65

int i, j;  
for(i = 68; i >= 65; i--)

{  
  for(j = 65; j <= i; j++)

A B C D  
→ A B C

printf("%c", j);

}

printf("\n");

i = 67

j = 65

66 ← x 68

1 2 3 (8)  
1 2 3  
1 2 3

int i, j;  
char x = 'A';  
for(i = 2; i >= z; i--)  
{  
  for(j = 1; j <= i; j++)  
    printf("%c", x + j - i);  
  printf("\n");

i = 3  
j = 4  
x = 'A'  
i = 3  
j = 3  
x = 'B'  
i = 2  
j = 2  
x = 'C'

A B C

printf("%c", x + j - i);  
}

```
for ( i=65; i<=j; j++ )
```

C D E

```
printf( "%c", i );
```

}

```
printf( "\n" );
```

1 2 3 ④  
1 2 3  
①

```
int i, j;  
char x='A';  
for ( i=65; i<=z; i++ )
```

x = 'E'  
i = 5  
j = 1 x A B C D

```
for ( j=1; j<=i; j++ )
```

for ( i=65; i<=z; i++ )  
printf( "%c", i );  
printf( "%c", x );  
x++;

10/22

|  
|  
|  
|  
|

(1, 2, 3, 4, 5, 6)  
int i = 1, a[6], b[6];

D  
D  
B D  
A B D  
(2, 3, 4, 5, 6)  
int i = 1, a[6], b[6];  
i = 1;

(2, 3, 4, 5, 6)

i = 1  
a[i] = 1  
b[i] = 1  
i = 2;  
a[i] = 2  
b[i] = 2  
i = 3;  
a[i] = 3  
b[i] = 3  
i = 4;  
a[i] = 4  
b[i] = 4  
i = 5;  
a[i] = 5  
b[i] = 5  
i = 6;  
a[i] = 6  
b[i] = 6  
i = 7;

Printf("%d %d",

a[i], b[i]);

D  
D e  
D o  
D c G  
a n



(2,2)	1	2	(2,2)
3,1)	1	2	3(3,3)
(4,1)	1	2	3,2,1

①  
 if ( $i < j$ )  
 {  
 if ( $i \% 2 = 0$ )  
 print  
 else  
 print  
 }  
 Print(4)

(2) 

4	3	3	
3	2	2	2
2	2	2	
1	1	1	1

i=1  
j=1      int i, j;  
 {  
 for( i=1; i<=4; i++ )  
 {  
 for( j=1; j<=i; j++ )  
 {  
 printf("%d ", (i+j)/2);  
 }  
 printf("\n");
 }
 }

Floyd  
Triangle

1  
2 3  
4 5 6  
7 8 9 10

1 2 3 4  
1 2 3  
1 2

int i, j, k = 1;  
for (i=1; i<=4; i++)  
{  
 for (j=1; j<=i; j++)  
 {  
 printf("%d", K);  
 K++;  
 }  
 printf("\n");  
}

~~i=1  
i=2  
i=3  
i=4  
j=1  
j=2  
j=3  
j=4  
K=1  
K=2  
K=3  
K=4~~

1  
2 3  
4 5 6  
7 8 9 10

1