

Nested For Loop

you  $\rightarrow i$   
column  $\rightarrow j$

$\downarrow$

( $i$  is always changing)

Project Untitled2 column

1 1

$\downarrow$

row

$\rightarrow$

1st value

$\rightarrow$

4

$\downarrow$

$i=3$

$\downarrow$

$i=2$

$\downarrow$

$i=1$

$\downarrow$

$i=4$

$\downarrow$

$i=5$

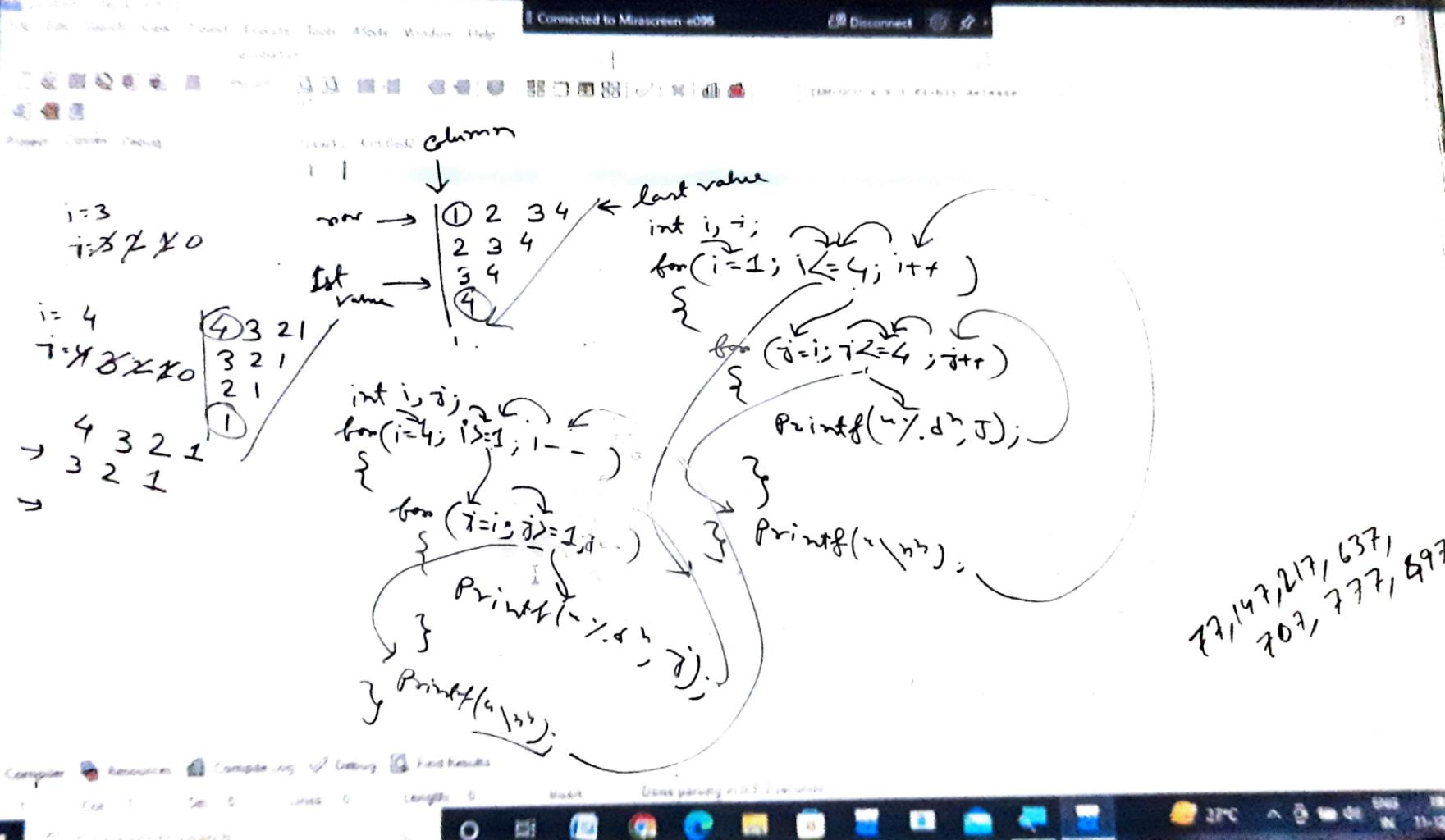
$\downarrow$

$i=3$

$\downarrow$

$i=4$

$\down$



我的电脑

最近的文件

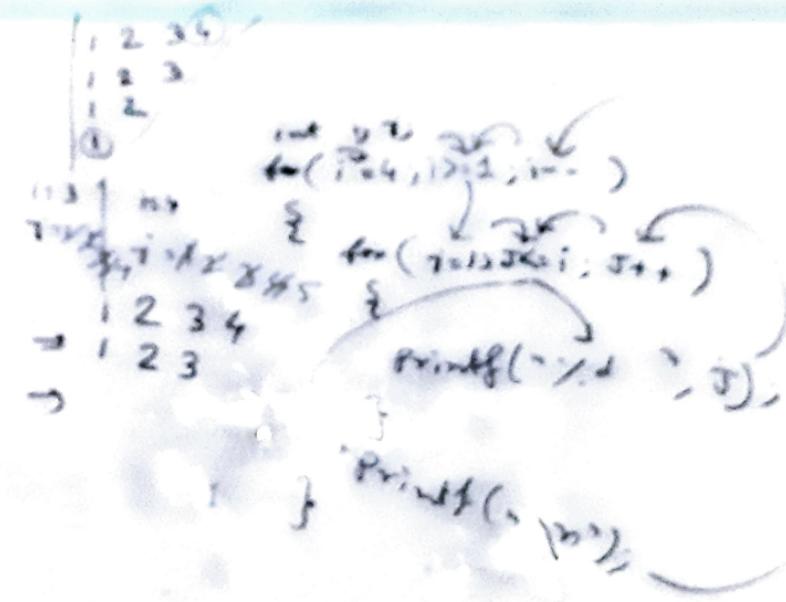
我的电脑

我的电脑

```

+ 3 6
+ 3 2
+ 3
4

```



1, 14, 12, 10, 8, 7, 6, 5, 4, 3  
1, 14, 12, 10, 8, 7, 6, 5, 4, 3

i=2  
j=4  
x=12340  
1 2 3 4  
1 2 3 4  
1 2 3 4  
1 2 3 4

Source Debug (Ready - Untitled)

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

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

    for(j=4; j>=i; j--)

        printf("%d", j);

}

printf("\n");

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

i=3  
j=4  
i=3  
j=3  
i=3  
j=2  
i=3  
j=1  
i=3  
j=0

for(j=4; j>=i; j--)

    printf("%d", j);

}

printf("\n");

int i, j;  
for(i=4; i>=1; i--)

{

    for(j=1; j<=i; j++)

        printf("%d", j);

}

printf("\n");

1 2 3  
1 2 3  
1 2 3

1 2 3

~~(4)~~  
1 2  
1 2 3  
1 2 3 4

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

{  
    for (j = 1; j <= i; j++)

{  
    cout << (i + 1) \* i / 2 + j;

{  
    cout << endl;

}

10.

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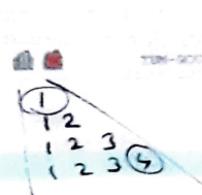
Connected to Miniscreen-e096

TOP-SORT 4. R.2.64-BITS RELEASE

```

1 2 3 4
1 2 3 4
1 2 3 4
1 2 3 4
i=2 / i=1
for(i=1; i<=4; i++)
{
    for(j=i; j<=4; j++)
        printf("%d", j);
}
printf("\n");

```



$\frac{1}{2} \frac{2}{3} \frac{3}{4}$   
 $\underline{4} \underline{4} \underline{4}$

```

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

```

$\frac{1}{2} \frac{2}{3} \frac{3}{4}$   
 $\underline{1} \underline{2} \underline{3} \underline{4}$   
 $\underline{\underline{1}} \underline{\underline{2}} \underline{\underline{3}} \underline{\underline{4}}$   
 for i=1 to 4  
 {
 for(j=i; j<=4; j++)
 printf("%d", j);
 }
 printf("\n");

```

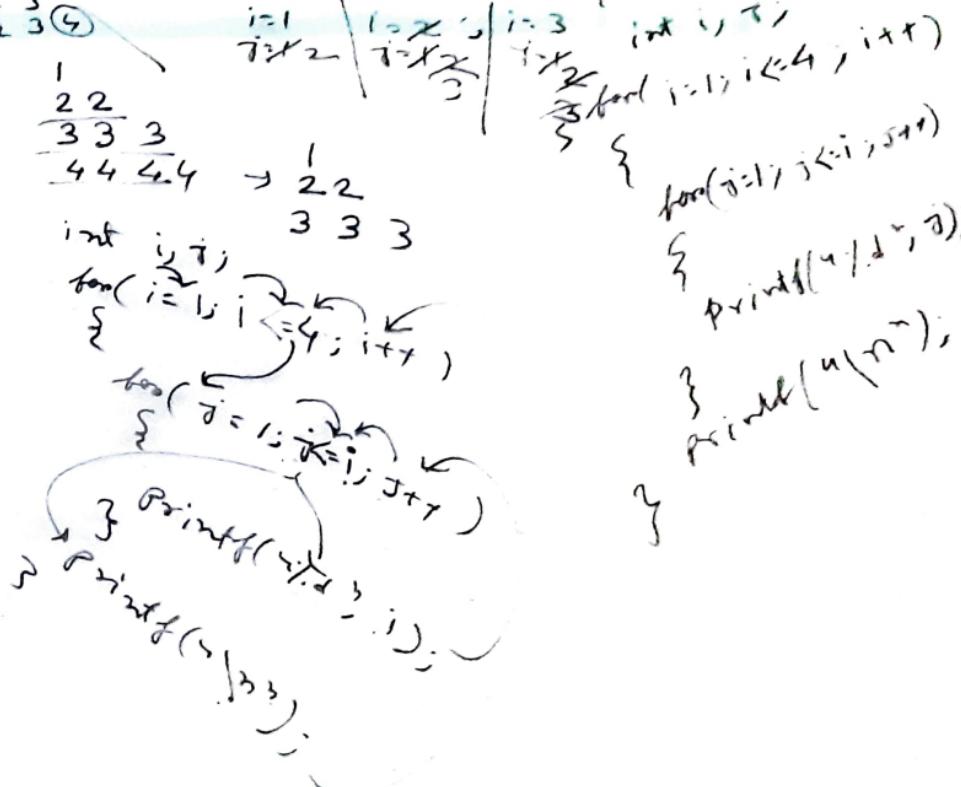
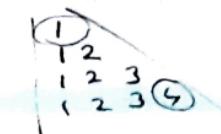
1 2 3 4
1 2 3 4
1 2 3 4
1 2 3 4
    
```

$i=2$  /  $i=1$

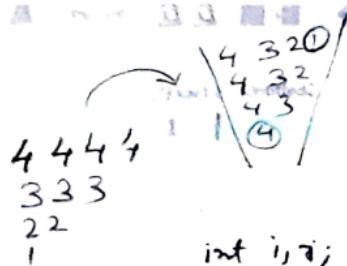
$J=x$   
 $\times \times \times \times \times$   
 $\rightarrow$   
 $1 2 3 4$   
 $1 2 3 4$

```

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



4 3 2 1  
3 2 1  
2 1  
1



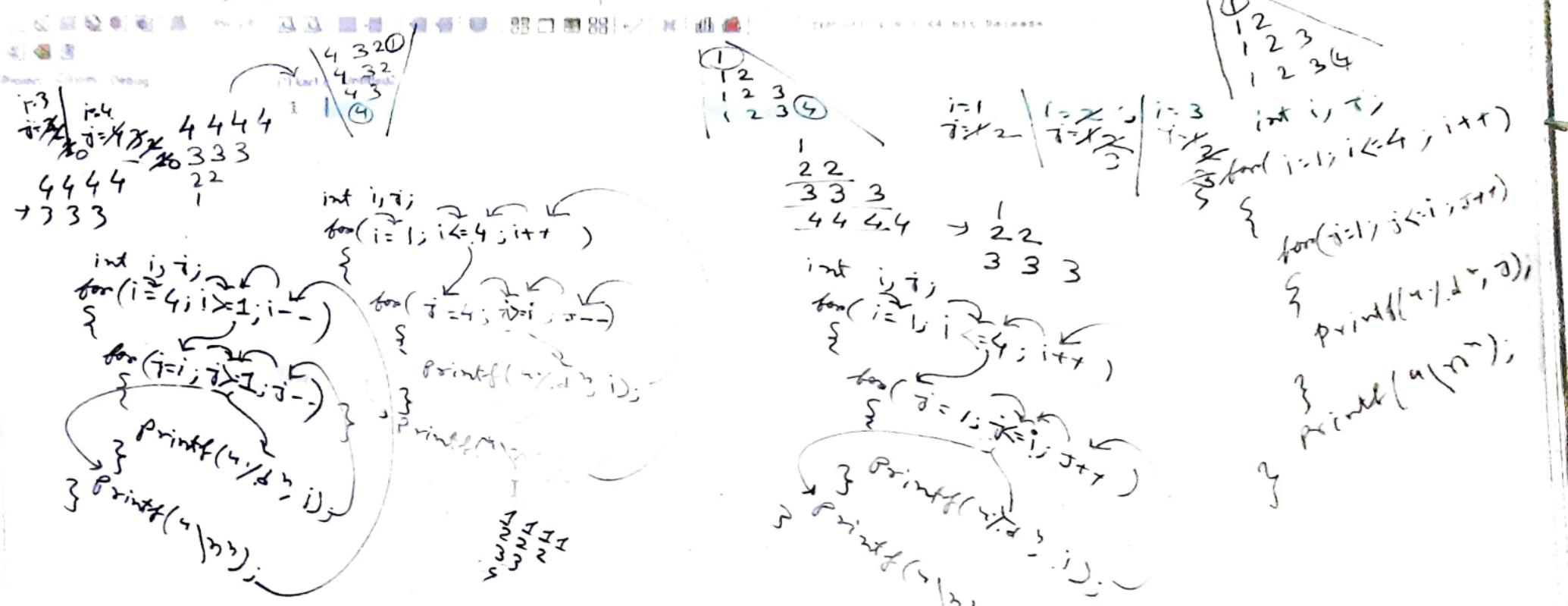
```
int i, j;
for(i=1; i<=4; i++)
{
    for(j=1; j>i; j++)
        printf("%d", i);
    printf("\n");
}
```



```
i=1   i=x+1   i=3
j=x+2   j=x+2   j=x+2
1 2 2
3 3 3
4 4 4 → 2 2
int i, j;
for(i=1; i<=4; i++)
{
    for(j=1; j>i; j++)
        printf("%d", i);
    printf("\n");
}
```

```
3 3 3
i=1   i=x+1   i=3
j=x+2   j=x+2   j=x+2
1 2 2
3 3 3
4 4 4 → 2 2
int i, j;
for(i=1; i<=4; i++)
{
    for(j=1; j>i; j++)
        printf("%d", i);
    printf("\n");
}
```

```
1 2 3
1 2 3 4
1 2 3 4
int i, j;
for(i=1; i<=4; i++)
{
    for(j=1; j>i; j++)
        printf("%d", i);
    printf("\n");
}
```



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Connected to Mirascreen-e006 Disconnect

Untitled2

i=3  
1 3 5 7 9  
3 5 7 9  
5 7 9  
7 9  
11 9

i=1  
1 3 5 7 9  
3 5 7 9  
5 7 9  
7 9  
9 7  
11 9

① int i, j;  
for( i=1; i<=9; i=i+2 )  
{  
 for( j=i; j<=9; j=j+2 )  
 {  
 printf("%d %d", i, j);  
 }  
 printf("\n");  
}

9 7 5 3 ①  
9 7 5 3  
9 7 5  
9 7

② int i, j;  
for( i=1; i<=9; i=i+2 )  
{  
 for( j=9; j>=i; j=j-2 )  
 {  
 printf("%d %d", j, i);  
 }  
 printf("\n");  
}

③  
3 1  
5 3 1  
7 5 3 1  
9 7 5 3 1

int i, j;  
for( i=1; i<=9; i=i+2 )  
{  
 for( j=i; j>=1; j=j-2 )  
 {  
 printf("%d %d", j, i);  
 }  
 printf("\n");  
}