Name: Tan Han Nguyen

NetID: TXN200004

# Week 10 Lab 2

0. Log in

Pre-authentication banner message from server:

| University of Texas at Dallas

| Department of Computer Science

|

| Use of UTD Information Systems is subject to

| the UTD Information Security and Acceptable Use Policy.

|

| Pursuant to Texas Administrative Code 202:

| (1) Unauthorized use is prohibited;

| (2) Usage may be subject to security testing and monitoring;

| (3) Misuse is subject to criminal prosecution; and

| (4) No expectation of privacy except as otherwise provided by applicable

| privacy laws.

|

| ATTENTION: utdnetid != utdnetid@utdallas.edu (UTD != Google!)

|

| \*\*\*\*\* This system will require a connection to the GlobalProtect VPN startin

> g

| on the following dates:

|

| cslinux1.utdallas.edu - June 15, 2020

| cslinux2.utdallas.edu - June 22, 2020

|

| \*\*\*\*\* GlobalProtect VPN Instructions: https://www.utdallas.edu/oit/howto/vpn

> /

|

End of banner message from server

Keyboard-interactive authentication prompts from server:

| Password:

End of keyboard-interactive prompts from server

┌──────────────────────────────────────────────────────────────────────┐

│ • MobaXterm Personal Edition v24.2 • │

│ (SSH client, X server and network tools) │

│ │

│ ⮞ SSH session to txn200004@cslinux2.utdallas.edu │

│ • Direct SSH : ✓ │

│ • SSH compression : ✓ │

│ • SSH-browser : ✓ │

│ • X11-forwarding : ✓ (remote display is forwarded through SSH) │

│ │

│ ⮞ For more info, ctrl+click on help or visit our website. │

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Last login: Thu Oct 24 10:06:01 2024 from 10.150.183.103

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csgrads1.utdallas.edu - CentOS Linux 7.9

--All CS Graduate Students should use csgrads1--

cs1.utdallas.edu - CentOS Linux 7.9

cs2.utdallas.edu - CentOS Linux 7.9

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This system is for use by CS students who need a general purpose Linux system

to complete homework assignments. Computationally or resource intensive

simulations will be throttled automatically.

Thank you,

CS Lab Manager

cs-labs@utdallas.edu

/scratch disk space can be used for temporary files.

All files within /scratch will be erased on a regular basis (Sunday 0300).

{cslinux2:~} mkdir week10Lab2; cd week10Lab2

{cslinux2:~/week10Lab2} vim matrix.c

Implement matrix.c

{cslinux2:~/week10Lab2} cat matrix.c

//Program using thread to perform matrix multiplication and modify local var

#include <stdlib.h>

#include <stdio.h>

#include <pthread.h>

#define MIN\_REQ\_SSIZE 81920

typedef int\*\* matrix\_t;

//Function to allocate memory for the matrix (2D int Array)

matrix\_t allocate\_matrix(int size){

matrix\_t matrix = (int\*\*)malloc(size \* sizeof(int\*)); //allocate rows

for(int i = 0; i < size; i++) {

matrix[i] = (int\*)malloc(size \* sizeof(int)); //allocate columns for each row

}

return matrix;

}

//Function to free memory of the matrix

void free\_matrix(matrix\_t matrix, int size){

for (int i =0; i < size; i++){

free(matrix[i]); //free each rows

}

free(matrix); //Free the matrix pointer

}

typedef struct {

int id;

int size;

int start\_col; //col where a thread starts

int end\_col; //where a thread ends

matrix\_t MA, MB, MC;

int num\_threads;

} package\_t;

1.1 Initialize 3 matrices

//Innitialize Matrix A B C

matrix\_t MA,MB,MC;

4.1. Global variable for diagonal sum

//Global diagonal sum

int diag\_sum = 0;

//mutex variable

pthread\_mutex\_t matrix\_lock;

pthread\_mutex\_t diag\_sum\_lock;

/\*

\* Routine to multiply a row by a column and place element in

\* resulting matrix.

\*/

void multiply(int id, int size, int row, int column, matrix\_t MA, matrix\_t MB, matrix\_t MC)

{

int sum = 0;

for(int position = 0; position < size; position++) {

sum = sum + ( MA[row][position] \* MB[position][column] ) ;

}

3. Mutex lock before modify MC

pthread\_mutex\_lock(&matrix\_lock); //thread lock before modify MC

MC[row][column] = sum;

printf("Matrix THREAD %d: Updating C | row: %d, col: %d. Value = %d\n", id, row, column, sum);

pthread\_mutex\_unlock(&matrix\_lock); //unlock thread

}

/\*

\* Routine to start off a worker thread.

\*/

void \*mult\_worker(void \*arg)

{

//Innitialize a package p with arg values

package\_t \*p=(package\_t \*)arg;

int col\_per\_thread = p->size/p->num\_threads;

int size = p->size;

int start\_col = p->start\_col;

int end\_col = p->end\_col;

printf("+++++ THREAD %d created, processing columns %d to %d +++++\n", p->id , p->start\_col, p->end\_col);

for(int j = start\_col; j <= end\_col; j++){

for(int i = 0; i < size; i++){

//multiply

printf("Matrix THREAD %d: Processing A row %d, B col %d\n", p->id, i, j);

multiply(p->id, size, i, j, p->MA, p->MB, p->MC);

4.2 Mutex lock before update diagonal sum

// Check if this element is on the diagonal

if (i == j) {

pthread\_mutex\_lock(&diag\_sum\_lock);

diag\_sum += (p->MC)[i][j]; // Safely add to the diagonal sum

printf("Matrix THREAD %d: Adding diagonal sum. Diagonal sum = %d\n", p->id, diag\_sum);

pthread\_mutex\_unlock(&diag\_sum\_lock);

}

}

}

printf("Matrix THREAD %d: \*\*\*\*\* COMPLETE \*\*\*\*\*\n", p->id);

free(p);

return(NULL);

}

/\*

\* Main(): allocates matrix, assigns values, then

\* creates threads to process rows and columns.

\*/

int main(int argc, char \*\*argv)

{

//Innitialize mutex variables

pthread\_mutex\_init(&matrix\_lock, NULL);

pthread\_mutex\_init(&diag\_sum\_lock, NULL);

1.2 Allocate memory for MA, MB based on user input

//process input

if (argc != 3) {

printf("Usage: %s <size-of-matrix-N> <number-of-thread-M>\n", argv[0]);

exit(1);

}

int size, num\_threads;

size = atoi(argv[1]);

num\_threads = atoi(argv[2]);

if(size % num\_threads != 0){

printf("Error: N must be divisible by M\n");

exit(1);

}

//Allocate memory for global MA MB MC

MA = allocate\_matrix(size);

MB = allocate\_matrix(size);

MC = allocate\_matrix(size);

/// Fill in matrix A values (all 1)

for (int row = 0; row < size; row++) {

for (int column = 0; column < size; column++) {

MA[row][column] = 1;

}

}

// Fill in matrix B value (row + col + 1)

for (int row = 0; row < size; row++) {

for (int column = 0; column < size; column++) {

MB[row][column] = row + column + 1;

}

}

//Print the 2 matrix MA MB

printf("MAIN THREAD: The Matrix A is:\n");

for(int row = 0; row < size; row ++) {

for (int column = 0; column < size; column++) {

printf("%3d ",MA[row][column]);

}

printf("\n");

}

printf("MAIN THREAD: The Matrix B is:\n");

for(int row = 0; row < size; row ++) {

for (int column = 0; column < size; column++) {

printf("%3d ",MB[row][column]);

}

printf("\n");

}

2. Create threads based on the user input

pthread\_t \*threads; /\* threads holds the thread ids of all threads created, so that the main thread can join with them. \*/

package\_t \*p; /\* argument list to pass to each thread. \*/

//Number of threads created based on user input

threads = (pthread\_t \*)malloc(num\_threads\*sizeof(pthread\_t));

/\* This is not required for the program as the peers stack

will not be too big. It is just here to show how to check

and set pthread attributes.

\*/

unsigned long thread\_stack\_size;

pthread\_attr\_t \*pthread\_attr\_p, pthread\_custom\_attr;

pthread\_attr\_init(&pthread\_custom\_attr);

// If a system adhere to POSIX Standad, this block will compile, and not otherwise

#ifdef \_POSIX\_THREAD\_ATTR\_STACKSIZE

pthread\_attr\_getstacksize(&pthread\_custom\_attr,

&thread\_stack\_size);

if (thread\_stack\_size < MIN\_REQ\_SSIZE) {

pthread\_attr\_setstacksize(&pthread\_custom\_attr,

(long)MIN\_REQ\_SSIZE);

}

#endif

/\* Process Matrix, by row, column, Create a thread

to process each element in the resulting matrix\*/

int col\_per\_thread = size/num\_threads;

for(int k = 0; k < num\_threads; k++) {

p = (package\_t \*)malloc(sizeof(package\_t));

p->id = k;

p->size = size;

p->start\_col = k\*col\_per\_thread; //each thread processes a part of columns in B starts here

p->end\_col = p->start\_col + col\_per\_thread - 1;// and then end here

p->MA = MA;

p->MB = MB;

p->MC = MC;

p->num\_threads = num\_threads;

pthread\_create(&threads[k], &pthread\_custom\_attr, mult\_worker, (void \*) p);

}

printf("=============================================\n");

/\* Synchronize on the completion of the element in each thread \*/

for (int i = 0; i < num\_threads; i++) {

pthread\_join(threads[i], NULL);

printf("MAIN THREAD: child %d has joined\n", i);

}

/\*Free the thread\*/

free(threads);

printf("=============================================\n");

/\* Print results \*/

printf("MAIN THREAD: The resulting matrix C is:\n");

for(int row = 0; row < size; row ++) {

for (int column = 0; column < size; column++) {

printf("%3d ",MC[row][column]);

}

printf("\n");

}

/\* Free matrices memory \*/

free\_matrix(MA, size);

free\_matrix(MB, size);

free\_matrix(MC, size);

/\* Destroy mutex \*/

pthread\_mutex\_destroy(&matrix\_lock);

pthread\_mutex\_destroy(&diag\_sum\_lock);

/\* Diagonal sum \*/

printf("=============================================\n");

printf("MAIN THREAD: Diagonal sum is: %d\n", diag\_sum);

printf("\n -------------------------- \n");

5. Call system()

system("date; hostname; who | grep txn200004 ; ps -eaf; ls -l");

system("who > week10who.txt");

return 0;

}

6-7. Compile and run test cases

{cslinux2:~/week10Lab2} gcc matrix.c -o matrix -std=gnu99 -lpthread

{cslinux2:~/week10Lab2} ./matrix 10 1

MAIN THREAD: The Matrix A is:

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

MAIN THREAD: The Matrix B is:

1 2 3 4 5 6 7 8 9 10

2 3 4 5 6 7 8 9 10 11

3 4 5 6 7 8 9 10 11 12

4 5 6 7 8 9 10 11 12 13

5 6 7 8 9 10 11 12 13 14

6 7 8 9 10 11 12 13 14 15

7 8 9 10 11 12 13 14 15 16

8 9 10 11 12 13 14 15 16 17

9 10 11 12 13 14 15 16 17 18

10 11 12 13 14 15 16 17 18 19

=============================================

+++++ THREAD 0 created, processing columns 0 to 9 +++++

Matrix THREAD 0: Processing A row 0, B col 0

Matrix THREAD 0: Updating C | row: 0, col: 0. Value = 55

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 55

Matrix THREAD 0: Processing A row 1, B col 0

Matrix THREAD 0: Updating C | row: 1, col: 0. Value = 55

Matrix THREAD 0: Processing A row 2, B col 0

Matrix THREAD 0: Updating C | row: 2, col: 0. Value = 55

Matrix THREAD 0: Processing A row 3, B col 0

Matrix THREAD 0: Updating C | row: 3, col: 0. Value = 55

Matrix THREAD 0: Processing A row 4, B col 0

Matrix THREAD 0: Updating C | row: 4, col: 0. Value = 55

Matrix THREAD 0: Processing A row 5, B col 0

Matrix THREAD 0: Updating C | row: 5, col: 0. Value = 55

Matrix THREAD 0: Processing A row 6, B col 0

Matrix THREAD 0: Updating C | row: 6, col: 0. Value = 55

Matrix THREAD 0: Processing A row 7, B col 0

Matrix THREAD 0: Updating C | row: 7, col: 0. Value = 55

Matrix THREAD 0: Processing A row 8, B col 0

Matrix THREAD 0: Updating C | row: 8, col: 0. Value = 55

Matrix THREAD 0: Processing A row 9, B col 0

Matrix THREAD 0: Updating C | row: 9, col: 0. Value = 55

Matrix THREAD 0: Processing A row 0, B col 1

Matrix THREAD 0: Updating C | row: 0, col: 1. Value = 65

Matrix THREAD 0: Processing A row 1, B col 1

Matrix THREAD 0: Updating C | row: 1, col: 1. Value = 65

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 120

Matrix THREAD 0: Processing A row 2, B col 1

Matrix THREAD 0: Updating C | row: 2, col: 1. Value = 65

Matrix THREAD 0: Processing A row 3, B col 1

Matrix THREAD 0: Updating C | row: 3, col: 1. Value = 65

Matrix THREAD 0: Processing A row 4, B col 1

Matrix THREAD 0: Updating C | row: 4, col: 1. Value = 65

Matrix THREAD 0: Processing A row 5, B col 1

Matrix THREAD 0: Updating C | row: 5, col: 1. Value = 65

Matrix THREAD 0: Processing A row 6, B col 1

Matrix THREAD 0: Updating C | row: 6, col: 1. Value = 65

Matrix THREAD 0: Processing A row 7, B col 1

Matrix THREAD 0: Updating C | row: 7, col: 1. Value = 65

Matrix THREAD 0: Processing A row 8, B col 1

Matrix THREAD 0: Updating C | row: 8, col: 1. Value = 65

Matrix THREAD 0: Processing A row 9, B col 1

Matrix THREAD 0: Updating C | row: 9, col: 1. Value = 65

Matrix THREAD 0: Processing A row 0, B col 2

Matrix THREAD 0: Updating C | row: 0, col: 2. Value = 75

Matrix THREAD 0: Processing A row 1, B col 2

Matrix THREAD 0: Updating C | row: 1, col: 2. Value = 75

Matrix THREAD 0: Processing A row 2, B col 2

Matrix THREAD 0: Updating C | row: 2, col: 2. Value = 75

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 195

Matrix THREAD 0: Processing A row 3, B col 2

Matrix THREAD 0: Updating C | row: 3, col: 2. Value = 75

Matrix THREAD 0: Processing A row 4, B col 2

Matrix THREAD 0: Updating C | row: 4, col: 2. Value = 75

Matrix THREAD 0: Processing A row 5, B col 2

Matrix THREAD 0: Updating C | row: 5, col: 2. Value = 75

Matrix THREAD 0: Processing A row 6, B col 2

Matrix THREAD 0: Updating C | row: 6, col: 2. Value = 75

Matrix THREAD 0: Processing A row 7, B col 2

Matrix THREAD 0: Updating C | row: 7, col: 2. Value = 75

Matrix THREAD 0: Processing A row 8, B col 2

Matrix THREAD 0: Updating C | row: 8, col: 2. Value = 75

Matrix THREAD 0: Processing A row 9, B col 2

Matrix THREAD 0: Updating C | row: 9, col: 2. Value = 75

Matrix THREAD 0: Processing A row 0, B col 3

Matrix THREAD 0: Updating C | row: 0, col: 3. Value = 85

Matrix THREAD 0: Processing A row 1, B col 3

Matrix THREAD 0: Updating C | row: 1, col: 3. Value = 85

Matrix THREAD 0: Processing A row 2, B col 3

Matrix THREAD 0: Updating C | row: 2, col: 3. Value = 85

Matrix THREAD 0: Processing A row 3, B col 3

Matrix THREAD 0: Updating C | row: 3, col: 3. Value = 85

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 280

Matrix THREAD 0: Processing A row 4, B col 3

Matrix THREAD 0: Updating C | row: 4, col: 3. Value = 85

Matrix THREAD 0: Processing A row 5, B col 3

Matrix THREAD 0: Updating C | row: 5, col: 3. Value = 85

Matrix THREAD 0: Processing A row 6, B col 3

Matrix THREAD 0: Updating C | row: 6, col: 3. Value = 85

Matrix THREAD 0: Processing A row 7, B col 3

Matrix THREAD 0: Updating C | row: 7, col: 3. Value = 85

Matrix THREAD 0: Processing A row 8, B col 3

Matrix THREAD 0: Updating C | row: 8, col: 3. Value = 85

Matrix THREAD 0: Processing A row 9, B col 3

Matrix THREAD 0: Updating C | row: 9, col: 3. Value = 85

Matrix THREAD 0: Processing A row 0, B col 4

Matrix THREAD 0: Updating C | row: 0, col: 4. Value = 95

Matrix THREAD 0: Processing A row 1, B col 4

Matrix THREAD 0: Updating C | row: 1, col: 4. Value = 95

Matrix THREAD 0: Processing A row 2, B col 4

Matrix THREAD 0: Updating C | row: 2, col: 4. Value = 95

Matrix THREAD 0: Processing A row 3, B col 4

Matrix THREAD 0: Updating C | row: 3, col: 4. Value = 95

Matrix THREAD 0: Processing A row 4, B col 4

Matrix THREAD 0: Updating C | row: 4, col: 4. Value = 95

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 375

Matrix THREAD 0: Processing A row 5, B col 4

Matrix THREAD 0: Updating C | row: 5, col: 4. Value = 95

Matrix THREAD 0: Processing A row 6, B col 4

Matrix THREAD 0: Updating C | row: 6, col: 4. Value = 95

Matrix THREAD 0: Processing A row 7, B col 4

Matrix THREAD 0: Updating C | row: 7, col: 4. Value = 95

Matrix THREAD 0: Processing A row 8, B col 4

Matrix THREAD 0: Updating C | row: 8, col: 4. Value = 95

Matrix THREAD 0: Processing A row 9, B col 4

Matrix THREAD 0: Updating C | row: 9, col: 4. Value = 95

Matrix THREAD 0: Processing A row 0, B col 5

Matrix THREAD 0: Updating C | row: 0, col: 5. Value = 105

Matrix THREAD 0: Processing A row 1, B col 5

Matrix THREAD 0: Updating C | row: 1, col: 5. Value = 105

Matrix THREAD 0: Processing A row 2, B col 5

Matrix THREAD 0: Updating C | row: 2, col: 5. Value = 105

Matrix THREAD 0: Processing A row 3, B col 5

Matrix THREAD 0: Updating C | row: 3, col: 5. Value = 105

Matrix THREAD 0: Processing A row 4, B col 5

Matrix THREAD 0: Updating C | row: 4, col: 5. Value = 105

Matrix THREAD 0: Processing A row 5, B col 5

Matrix THREAD 0: Updating C | row: 5, col: 5. Value = 105

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 480

Matrix THREAD 0: Processing A row 6, B col 5

Matrix THREAD 0: Updating C | row: 6, col: 5. Value = 105

Matrix THREAD 0: Processing A row 7, B col 5

Matrix THREAD 0: Updating C | row: 7, col: 5. Value = 105

Matrix THREAD 0: Processing A row 8, B col 5

Matrix THREAD 0: Updating C | row: 8, col: 5. Value = 105

Matrix THREAD 0: Processing A row 9, B col 5

Matrix THREAD 0: Updating C | row: 9, col: 5. Value = 105

Matrix THREAD 0: Processing A row 0, B col 6

Matrix THREAD 0: Updating C | row: 0, col: 6. Value = 115

Matrix THREAD 0: Processing A row 1, B col 6

Matrix THREAD 0: Updating C | row: 1, col: 6. Value = 115

Matrix THREAD 0: Processing A row 2, B col 6

Matrix THREAD 0: Updating C | row: 2, col: 6. Value = 115

Matrix THREAD 0: Processing A row 3, B col 6

Matrix THREAD 0: Updating C | row: 3, col: 6. Value = 115

Matrix THREAD 0: Processing A row 4, B col 6

Matrix THREAD 0: Updating C | row: 4, col: 6. Value = 115

Matrix THREAD 0: Processing A row 5, B col 6

Matrix THREAD 0: Updating C | row: 5, col: 6. Value = 115

Matrix THREAD 0: Processing A row 6, B col 6

Matrix THREAD 0: Updating C | row: 6, col: 6. Value = 115

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 595

Matrix THREAD 0: Processing A row 7, B col 6

Matrix THREAD 0: Updating C | row: 7, col: 6. Value = 115

Matrix THREAD 0: Processing A row 8, B col 6

Matrix THREAD 0: Updating C | row: 8, col: 6. Value = 115

Matrix THREAD 0: Processing A row 9, B col 6

Matrix THREAD 0: Updating C | row: 9, col: 6. Value = 115

Matrix THREAD 0: Processing A row 0, B col 7

Matrix THREAD 0: Updating C | row: 0, col: 7. Value = 125

Matrix THREAD 0: Processing A row 1, B col 7

Matrix THREAD 0: Updating C | row: 1, col: 7. Value = 125

Matrix THREAD 0: Processing A row 2, B col 7

Matrix THREAD 0: Updating C | row: 2, col: 7. Value = 125

Matrix THREAD 0: Processing A row 3, B col 7

Matrix THREAD 0: Updating C | row: 3, col: 7. Value = 125

Matrix THREAD 0: Processing A row 4, B col 7

Matrix THREAD 0: Updating C | row: 4, col: 7. Value = 125

Matrix THREAD 0: Processing A row 5, B col 7

Matrix THREAD 0: Updating C | row: 5, col: 7. Value = 125

Matrix THREAD 0: Processing A row 6, B col 7

Matrix THREAD 0: Updating C | row: 6, col: 7. Value = 125

Matrix THREAD 0: Processing A row 7, B col 7

Matrix THREAD 0: Updating C | row: 7, col: 7. Value = 125

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 720

Matrix THREAD 0: Processing A row 8, B col 7

Matrix THREAD 0: Updating C | row: 8, col: 7. Value = 125

Matrix THREAD 0: Processing A row 9, B col 7

Matrix THREAD 0: Updating C | row: 9, col: 7. Value = 125

Matrix THREAD 0: Processing A row 0, B col 8

Matrix THREAD 0: Updating C | row: 0, col: 8. Value = 135

Matrix THREAD 0: Processing A row 1, B col 8

Matrix THREAD 0: Updating C | row: 1, col: 8. Value = 135

Matrix THREAD 0: Processing A row 2, B col 8

Matrix THREAD 0: Updating C | row: 2, col: 8. Value = 135

Matrix THREAD 0: Processing A row 3, B col 8

Matrix THREAD 0: Updating C | row: 3, col: 8. Value = 135

Matrix THREAD 0: Processing A row 4, B col 8

Matrix THREAD 0: Updating C | row: 4, col: 8. Value = 135

Matrix THREAD 0: Processing A row 5, B col 8

Matrix THREAD 0: Updating C | row: 5, col: 8. Value = 135

Matrix THREAD 0: Processing A row 6, B col 8

Matrix THREAD 0: Updating C | row: 6, col: 8. Value = 135

Matrix THREAD 0: Processing A row 7, B col 8

Matrix THREAD 0: Updating C | row: 7, col: 8. Value = 135

Matrix THREAD 0: Processing A row 8, B col 8

Matrix THREAD 0: Updating C | row: 8, col: 8. Value = 135

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 855

Matrix THREAD 0: Processing A row 9, B col 8

Matrix THREAD 0: Updating C | row: 9, col: 8. Value = 135

Matrix THREAD 0: Processing A row 0, B col 9

Matrix THREAD 0: Updating C | row: 0, col: 9. Value = 145

Matrix THREAD 0: Processing A row 1, B col 9

Matrix THREAD 0: Updating C | row: 1, col: 9. Value = 145

Matrix THREAD 0: Processing A row 2, B col 9

Matrix THREAD 0: Updating C | row: 2, col: 9. Value = 145

Matrix THREAD 0: Processing A row 3, B col 9

Matrix THREAD 0: Updating C | row: 3, col: 9. Value = 145

Matrix THREAD 0: Processing A row 4, B col 9

Matrix THREAD 0: Updating C | row: 4, col: 9. Value = 145

Matrix THREAD 0: Processing A row 5, B col 9

Matrix THREAD 0: Updating C | row: 5, col: 9. Value = 145

Matrix THREAD 0: Processing A row 6, B col 9

Matrix THREAD 0: Updating C | row: 6, col: 9. Value = 145

Matrix THREAD 0: Processing A row 7, B col 9

Matrix THREAD 0: Updating C | row: 7, col: 9. Value = 145

Matrix THREAD 0: Processing A row 8, B col 9

Matrix THREAD 0: Updating C | row: 8, col: 9. Value = 145

Matrix THREAD 0: Processing A row 9, B col 9

Matrix THREAD 0: Updating C | row: 9, col: 9. Value = 145

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 1000

Matrix THREAD 0: \*\*\*\*\* COMPLETE \*\*\*\*\*

MAIN THREAD: child 0 has joined

=============================================

MAIN THREAD: The resulting matrix C is:

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

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MAIN THREAD: Diagonal sum is: 1000

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Thu Oct 24 18:00:48 CDT 2024

cslinux2.utdallas.edu

txn200004 pts/8 2024-10-24 17:53 (10.50.240.134)

UID PID PPID C STIME TTY TIME CMD

root 1 0 0 Sep24 ? 00:28:27 /usr/lib/systemd/systemd --switched-root --system --deserialize 22

root 2 0 0 Sep24 ? 00:00:11 [kthreadd]

root 4 2 0 Sep24 ? 00:00:00 [kworker/0:0H]

root 6 2 0 Sep24 ? 00:11:36 [ksoftirqd/0]

root 7 2 0 Sep24 ? 00:00:57 [migration/0]

root 8 2 0 Sep24 ? 00:00:00 [rcu\_bh]

root 9 2 0 Sep24 ? 03:38:25 [rcu\_sched]

root 10 2 0 Sep24 ? 00:00:00 [lru-add-drain]

root 11 2 0 Sep24 ? 00:02:31 [watchdog/0]

root 12 2 0 Sep24 ? 00:02:12 [watchdog/1]

root 13 2 0 Sep24 ? 00:00:30 [migration/1]

root 14 2 0 Sep24 ? 00:03:46 [ksoftirqd/1]

root 16 2 0 Sep24 ? 00:00:00 [kworker/1:0H]

root 18 2 0 Sep24 ? 00:02:27 [watchdog/2]

root 19 2 0 Sep24 ? 00:01:22 [migration/2]

root 20 2 0 Sep24 ? 00:02:21 [ksoftirqd/2]

root 22 2 0 Sep24 ? 00:00:00 [kworker/2:0H]

root 24 2 0 Sep24 ? 00:02:12 [watchdog/3]

root 25 2 0 Sep24 ? 00:00:42 [migration/3]

root 26 2 0 Sep24 ? 00:00:12 [ksoftirqd/3]

root 28 2 0 Sep24 ? 00:00:00 [kworker/3:0H]

root 29 2 0 Sep24 ? 00:02:29 [watchdog/4]

root 30 2 0 Sep24 ? 00:00:57 [migration/4]

root 31 2 0 Sep24 ? 00:01:37 [ksoftirqd/4]

root 33 2 0 Sep24 ? 00:00:00 [kworker/4:0H]

root 34 2 0 Sep24 ? 00:02:07 [watchdog/5]

root 35 2 0 Sep24 ? 00:00:19 [migration/5]

root 36 2 0 Sep24 ? 00:00:10 [ksoftirqd/5]

root 38 2 0 Sep24 ? 00:00:00 [kworker/5:0H]

root 39 2 0 Sep24 ? 00:02:32 [watchdog/6]

root 40 2 0 Sep24 ? 00:00:48 [migration/6]

root 41 2 0 Sep24 ? 00:01:12 [ksoftirqd/6]

root 44 2 0 Sep24 ? 00:02:09 [watchdog/7]

root 45 2 0 Sep24 ? 00:00:16 [migration/7]

root 46 2 0 Sep24 ? 00:00:47 [ksoftirqd/7]

root 48 2 0 Sep24 ? 00:00:00 [kworker/7:0H]

root 49 2 0 Sep24 ? 00:02:30 [watchdog/8]

root 50 2 0 Sep24 ? 00:00:44 [migration/8]

root 51 2 0 Sep24 ? 00:01:02 [ksoftirqd/8]

root 54 2 0 Sep24 ? 00:02:11 [watchdog/9]

root 55 2 0 Sep24 ? 00:00:16 [migration/9]

root 56 2 0 Sep24 ? 00:00:11 [ksoftirqd/9]

root 58 2 0 Sep24 ? 00:00:00 [kworker/9:0H]

root 59 2 0 Sep24 ? 00:02:30 [watchdog/10]

root 60 2 0 Sep24 ? 00:00:44 [migration/10]

root 61 2 0 Sep24 ? 00:01:12 [ksoftirqd/10]

root 64 2 0 Sep24 ? 00:02:08 [watchdog/11]

root 65 2 0 Sep24 ? 00:00:15 [migration/11]

root 66 2 0 Sep24 ? 00:00:12 [ksoftirqd/11]

root 68 2 0 Sep24 ? 00:00:00 [kworker/11:0H]

root 69 2 0 Sep24 ? 00:02:30 [watchdog/12]

root 70 2 0 Sep24 ? 00:00:40 [migration/12]

root 71 2 0 Sep24 ? 00:01:11 [ksoftirqd/12]

root 74 2 0 Sep24 ? 00:02:09 [watchdog/13]

root 75 2 0 Sep24 ? 00:00:14 [migration/13]

root 76 2 0 Sep24 ? 00:00:11 [ksoftirqd/13]

root 78 2 0 Sep24 ? 00:00:00 [kworker/13:0H]

root 79 2 0 Sep24 ? 00:02:29 [watchdog/14]

root 80 2 0 Sep24 ? 00:00:43 [migration/14]

root 81 2 0 Sep24 ? 00:01:14 [ksoftirqd/14]

root 83 2 0 Sep24 ? 00:04:30 [kworker/14:0H]

root 84 2 0 Sep24 ? 00:02:06 [watchdog/15]

root 85 2 0 Sep24 ? 00:00:13 [migration/15]

root 86 2 0 Sep24 ? 00:00:11 [ksoftirqd/15]

root 88 2 0 Sep24 ? 00:00:00 [kworker/15:0H]

root 91 2 0 Sep24 ? 00:00:00 [kdevtmpfs]

root 92 2 0 Sep24 ? 00:00:00 [netns]

root 93 2 0 Sep24 ? 00:00:29 [khungtaskd]

root 94 2 0 Sep24 ? 00:00:00 [writeback]

root 95 2 0 Sep24 ? 00:00:00 [kintegrityd]

root 96 2 0 Sep24 ? 00:00:00 [bioset]

root 97 2 0 Sep24 ? 00:00:00 [bioset]

root 98 2 0 Sep24 ? 00:00:00 [bioset]

root 99 2 0 Sep24 ? 00:00:00 [kblockd]

root 101 2 0 Sep24 ? 00:00:00 [md]

root 102 2 0 Sep24 ? 00:00:00 [edac-poller]

root 103 2 0 Sep24 ? 00:00:00 [watchdogd]

root 109 2 0 Sep24 ? 00:00:00 [kswapd0]

root 110 2 0 Sep24 ? 00:00:00 [kswapd1]

root 111 2 0 Sep24 ? 00:00:00 [ksmd]

root 112 2 0 Sep24 ? 00:04:30 [khugepaged]

root 113 2 0 Sep24 ? 00:00:00 [crypto]

root 121 2 0 Sep24 ? 00:00:00 [kthrotld]

root 124 2 0 Sep24 ? 00:00:00 [kmpath\_rdacd]

root 125 2 0 Sep24 ? 00:00:00 [kaluad]

root 136 2 0 Sep24 ? 00:00:00 [kpsmoused]

root 137 2 0 Sep24 ? 00:00:00 [ipv6\_addrconf]

root 150 2 0 Sep24 ? 00:00:00 [deferwq]

root 206 2 0 Sep24 ? 00:00:21 [kauditd]

root 340 2 0 Sep24 ? 00:00:00 [scsi\_eh\_0]

root 356 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_0]

root 363 2 0 Sep24 ? 00:00:00 [ata\_sff]

root 367 2 0 Sep24 ? 00:00:00 [ixgbe]

root 370 2 0 Sep24 ? 00:00:00 [scsi\_eh\_1]

root 371 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_1]

root 372 2 0 Sep24 ? 00:00:00 [scsi\_eh\_2]

root 373 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_2]

root 374 2 0 Sep24 ? 00:00:00 [scsi\_eh\_3]

root 375 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_3]

root 376 2 0 Sep24 ? 00:00:00 [scsi\_eh\_4]

root 377 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_4]

root 378 2 0 Sep24 ? 00:00:00 [scsi\_eh\_5]

root 379 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_5]

root 380 2 0 Sep24 ? 00:00:00 [scsi\_eh\_6]

root 381 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_6]

root 387 2 0 Sep24 ? 00:00:00 [poll\_megasas0\_s]

root 390 2 0 Sep24 ? 00:00:00 [ttm\_swap]

root 435 2 0 Sep24 ? 00:12:33 [jbd2/sda3-8]

root 436 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 520 1 0 Sep24 ? 00:08:21 /usr/lib/systemd/systemd-journald

root 531 2 0 Sep24 ? 00:00:00 [rpciod]

root 532 2 0 Sep24 ? 00:00:00 [xprtiod]

root 540 1 0 Sep24 ? 00:00:00 /usr/sbin/lvmetad -f

root 561 1 0 Sep24 ? 00:00:02 /usr/lib/systemd/systemd-udevd

root 668 2 0 Oct09 ? 00:00:00 [kworker/14:2H]

root 1734 2 0 Sep24 ? 00:00:00 [kvm-irqfd-clean]

root 1847 2 0 07:10 ? 00:00:15 [kworker/5:2]

root 1942 2 0 Sep24 ? 00:00:00 [jbd2/sda2-8]

root 1943 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1948 2 0 Sep24 ? 00:00:00 [jbd2/sda1-8]

root 1949 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1955 2 0 Sep24 ? 00:05:15 [jbd2/sda5-8]

root 1956 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1978 2 0 Sep24 ? 00:00:08 [kworker/3:1H]

root 1979 2 0 Sep24 ? 00:00:10 [kworker/7:1H]

root 1983 1 0 Sep24 ? 00:01:38 /sbin/auditd

root 1986 1983 0 Sep24 ? 00:02:17 /sbin/audispd

root 1988 1986 0 Sep24 ? 00:01:02 /usr/sbin/sedispatch

libstor+ 2008 1 0 Sep24 ? 00:01:46 /usr/bin/lsmd -d

root 2010 1 0 Sep24 ? 00:01:30 /usr/sbin/sssd -i --logger=files

dbus 2014 1 0 Sep24 ? 00:15:36 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation

chrony 2026 1 0 Sep24 ? 00:00:33 /usr/sbin/chronyd

polkitd 2038 1 0 Sep24 ? 00:04:39 /usr/lib/polkit-1/polkitd --no-debug

root 2053 1 0 Sep24 ? 00:06:44 /opt/dell/srvadmin/sbin/dsm\_sa\_eventmgrd

rtkit 2067 1 0 Sep24 ? 00:05:52 /usr/libexec/rtkit-daemon

root 2069 1 0 Sep24 ? 00:00:45 /usr/sbin/gssproxy -D

root 2071 1 0 Sep24 ? 01:39:05 /usr/sbin/irqbalance --foreground

root 2087 1 0 Sep24 ? 00:39:02 /sbin/rngd -f

root 2098 1 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2099 2098 1 Sep24 ? 12:39:51 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2105 1 0 Sep24 ? 00:00:00 /usr/sbin/acpid

root 2131 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.gssd

root 2135 1 0 Sep24 ? 00:27:13 /bin/bash /usr/sbin/ksmtuned

root 2211 1 0 Sep24 ? 05:04:51 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

root 2230 2010 0 Sep24 ? 06:29:50 /usr/libexec/sssd/sssd\_be --domain ipa.utdallas.edu --uid 0 --gid 0 --logger=files

root 2439 2010 0 Sep24 ? 01:20:51 /usr/libexec/sssd/sssd\_nss --uid 0 --gid 0 --logger=files

root 2440 2010 0 Sep24 ? 00:17:37 /usr/libexec/sssd/sssd\_pam --uid 0 --gid 0 --logger=files

root 2442 2010 0 Sep24 ? 00:05:11 /usr/libexec/sssd/sssd\_pac --uid 0 --gid 0 --logger=files

root 2443 2010 0 Sep24 ? 00:04:13 /usr/libexec/sssd/sssd\_sudo --uid 0 --gid 0 --logger=files

root 2444 2010 0 Sep24 ? 00:08:14 /usr/libexec/sssd/sssd\_ssh --uid 0 --gid 0 --logger=files

root 2445 2010 0 Sep24 ? 00:04:22 /usr/libexec/sssd/sssd\_autofs --uid 0 --gid 0 --logger=files

root 2465 1 0 Sep24 ? 00:06:07 /usr/lib/systemd/systemd-logind

root 2466 1 0 Sep24 ? 00:09:59 /usr/libexec/accounts-daemon

root 2518 2 0 Sep24 ? 00:00:08 [kworker/1:1H]

root 2566 1 0 Sep24 ? 01:02:24 /usr/sbin/lldpad -t

root 2567 1 0 Sep24 ? 00:42:05 /usr/bin/python2 -Es /usr/sbin/tuned -l -P

root 2569 1 0 Sep24 ? 00:00:38 /usr/sbin/sshd -D

root 2572 1 0 Sep24 ? 00:00:00 /usr/sbin/cupsd -f

root 2573 1 0 Sep24 ? 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid

telegraf 2588 1 8 Sep24 ? 2-15:34:46 /usr/bin/telegraf -config /etc/telegraf/telegraf.conf -config-directory /etc/telegraf/telegra

root 2594 1 0 Sep24 ? 00:23:46 /usr/sbin/rsyslogd -n

root 2595 2 0 Sep24 ? 00:00:10 [kworker/11:1H]

root 2613 1 0 Sep24 ? 00:01:20 /usr/sbin/lightdm

root 2615 1 0 Sep24 ? 00:01:40 /usr/sbin/crond -n

root 2618 1 0 Sep24 ? 00:00:00 /usr/sbin/atd -f

root 2649 2613 0 Sep24 tty1 00:00:00 /usr/bin/X -background none :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt1 -no

root 2662 2 0 Sep24 ? 00:00:10 [kworker/15:1H]

root 2663 2 0 Sep24 ? 00:00:09 [kworker/5:1H]

root 2664 2 0 Sep24 ? 00:00:10 [kworker/9:1H]

root 2665 2 0 Sep24 ? 00:00:10 [kworker/13:1H]

root 2719 1 0 Sep24 ? 00:46:14 /opt/dell/srvadmin/iSM/sbin/dsm\_ism\_srvmgrd

root 2893 2613 0 Sep24 ? 00:00:00 lightdm --session-child 18 21

lightdm 2972 2893 0 Sep24 ? 00:40:39 /usr/sbin/lightdm-gtk-greeter

root 2982 2211 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

telegraf 3011 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 4 --print-address 6 --session

lightdm 3012 1 0 Sep24 ? 00:00:00 /usr/libexec/at-spi-bus-launcher --launch-immediately

lightdm 3018 1 0 Sep24 ? 00:00:00 dbus-launch --autolaunch=8d19eba0aff440b1a473f9adbfe0aead --binary-syntax --close-stderr

lightdm 3019 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 5 --print-address 7 --session

lightdm 3022 3012 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --config-file=/usr/share/defaults/at-spi2/accessibility.conf --nofork --pr

root 3036 2613 0 Sep24 ? 00:00:00 lightdm --session-child 14 21

colord 3110 1 0 Sep24 ? 00:00:00 /usr/libexec/colord

root 3246 2569 0 Oct19 ? 00:00:00 sshd: sxb027100 [priv]

sxb0271+ 3253 3246 0 Oct19 ? 00:33:05 sshd: sxb027100@pts/1

sxb0271+ 3254 3253 0 Oct19 pts/1 00:00:01 -bash

root 3305 1 7 Sep24 ? 2-10:15:56 /usr/sbin/snmpd -LS0-6d -f

sxb0271+ 3341 3254 0 Oct19 pts/1 00:24:43 ssh enigma

sxb0271+ 3342 3341 0 Oct19 pts/1 00:14:08 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 3686 2569 0 Oct21 ? 00:00:02 sshd: sxb027100 [priv]

sxb0271+ 3704 3686 0 Oct21 ? 00:14:17 sshd: sxb027100@pts/2

sxb0271+ 3705 3704 0 Oct21 pts/2 00:00:00 -bash

rpc 3833 1 0 Sep24 ? 00:01:14 /sbin/rpcbind -w

rpcuser 3839 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.statd

root 4010 2 0 Sep24 ? 00:00:00 [nfsiod]

root 4023 2 0 Sep24 ? 00:00:00 [nfsv4.1-svc]

root 4888 1 0 Sep24 ? 00:13:33 /usr/libexec/packagekitd

sxb0271+ 8482 3705 0 Oct21 pts/2 00:10:14 ssh enigma

sxb0271+ 8483 8482 0 Oct21 pts/2 00:05:43 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 11027 2 0 Oct23 ? 00:00:08 [kworker/10:2]

root 11319 2 0 Oct23 ? 00:00:02 [kworker/11:0]

root 12273 2 0 Oct23 ? 00:00:02 [kworker/15:1]

root 12626 2 0 Oct22 ? 00:00:26 [kworker/6:1]

root 12983 2 0 Oct23 ? 00:00:07 [kworker/4:0]

root 13168 2 0 Oct23 ? 00:00:07 [kworker/1:0]

root 13375 2 0 Oct23 ? 00:00:06 [kworker/14:1]

root 13977 2 0 Oct23 ? 00:00:06 [kworker/12:1]

root 14555 2 0 Sep24 ? 00:00:00 [lockd]

root 15904 2 0 10:52 ? 00:00:01 [kworker/8:1]

root 19552 2 0 11:49 ? 00:00:02 [kworker/2:2]

root 23303 2 0 Sep25 ? 00:01:00 [kworker/8:2H]

root 23322 2 0 Sep25 ? 00:00:02 [kworker/12:2H]

root 23323 2 0 Sep25 ? 00:06:12 [kworker/10:2H]

root 23361 2 0 Sep25 ? 00:00:00 [kworker/6:2H]

root 23448 2 0 Sep25 ? 00:00:00 [kworker/10:0H]

root 23534 2 0 Sep25 ? 00:06:46 [kworker/4:1H]

root 23557 2 0 Sep25 ? 00:07:04 [kworker/0:1H]

root 26219 2 0 00:40 ? 00:00:01 [kworker/13:0]

root 28661 2 0 Oct03 ? 00:04:28 [kworker/12:0H]

root 28840 2 0 14:12 ? 00:00:01 [kworker/u97:1]

root 29721 1 0 Sep24 ? 00:49:11 /usr/sbin/automount --systemd-service --dont-check-daemon

root 30045 2 0 14:30 ? 00:00:00 [kworker/6:2]

root 30479 2 0 Oct12 ? 00:00:00 [nfsv4.0-svc]

root 30836 2 0 14:42 ? 00:00:01 [kworker/7:1]

root 32124 2 0 Oct23 ? 00:00:16 [kworker/3:0]

root 32125 2 0 Oct23 ? 00:00:04 [kworker/9:2]

root 32678 2 0 15:10 ? 00:00:00 [kworker/5:0]

root 36467 2 0 16:09 ? 00:00:00 [kworker/2:0]

root 37042 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

root 37063 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

tdb2000+ 37065 37042 0 16:17 ? 00:00:01 sshd: tdb200000@pts/4

tdb2000+ 37066 37065 0 16:17 pts/4 00:00:01 -bash

root 37074 2 0 16:17 ? 00:00:00 [kworker/4:2]

tdb2000+ 37081 37063 0 16:17 ? 00:00:00 sshd: tdb200000@notty

tdb2000+ 37082 37081 0 16:17 ? 00:00:00 /usr/libexec/openssh/sftp-server

tdb2000+ 37238 37066 0 16:18 pts/4 00:00:00 vim index.html

root 38992 2 0 16:44 ? 00:00:00 [kworker/u98:0]

root 39285 2 0 16:49 ? 00:00:01 [kworker/0:0]

root 39918 2 0 16:59 ? 00:00:02 [kworker/u96:1]

root 40939 2 0 17:14 ? 00:00:00 [kworker/10:1]

root 41249 2569 0 17:17 ? 00:00:00 sshd: cdc230001 [priv]

root 41328 2569 0 17:18 ? 00:00:00 sshd: cdc230001 [priv]

cdc2300+ 41330 41249 0 17:18 ? 00:00:02 sshd: cdc230001@pts/3

cdc2300+ 41331 41330 0 17:18 pts/3 00:00:00 -bash

root 41390 2 0 17:18 ? 00:00:00 [kworker/8:2]

cdc2300+ 41419 41328 0 17:18 ? 00:00:00 sshd: cdc230001@notty

cdc2300+ 41420 41419 0 17:18 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 41492 2 0 Oct23 ? 00:00:00 [kworker/15:2]

root 41606 2 0 17:19 ? 00:00:00 [kworker/13:1]

root 41723 2569 0 17:20 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41768 41723 0 17:21 ? 00:00:00 sshd: jxn200027@pts/5

root 41769 2569 0 17:21 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41781 41768 0 17:21 pts/5 00:00:00 -bash

root 41885 2 0 17:21 ? 00:00:00 [kworker/7:2]

jxn2000+ 41895 41769 0 17:21 ? 00:00:00 sshd: jxn200027@notty

jxn2000+ 41896 41895 0 17:21 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42103 2569 0 17:23 ? 00:00:00 sshd: kag210003 [priv]

kag2100+ 42124 42103 0 17:23 ? 00:00:00 sshd: kag210003@pts/6

kag2100+ 42125 42124 0 17:23 pts/6 00:00:00 -bash

root 42162 2 0 17:23 ? 00:00:00 [kworker/11:2]

root 42283 2 0 17:24 ? 00:00:01 [kworker/u98:1]

root 42500 2569 0 17:26 ? 00:00:00 sshd: afb170130 [priv]

root 42535 2569 0 17:27 ? 00:00:00 sshd: afb170130 [priv]

afb1701+ 42537 42500 0 17:27 ? 00:00:00 sshd: afb170130@pts/0

afb1701+ 42538 42537 0 17:27 pts/0 00:00:00 -bash

root 42543 2 0 17:27 ? 00:00:00 [kworker/3:2]

root 42565 2 0 17:27 ? 00:00:00 [kworker/14:2]

afb1701+ 42636 42535 0 17:27 ? 00:00:00 sshd: afb170130@notty

afb1701+ 42637 42636 0 17:27 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42745 2569 0 17:29 ? 00:00:00 sshd: asr190005 [priv]

asr1900+ 42765 42745 0 17:29 ? 00:00:00 sshd: asr190005@pts/7

asr1900+ 42766 42765 0 17:29 pts/7 00:00:00 -bash

root 43294 2 0 17:36 ? 00:00:00 [kworker/9:0]

root 43394 2 0 Oct22 ? 00:00:00 [kworker/8:1H]

root 44239 2569 0 17:50 ? 00:00:00 sshd: ecw240001 [priv]

ecw2400+ 44278 44239 0 17:50 ? 00:00:00 sshd: ecw240001@pts/9

ecw2400+ 44279 44278 0 17:50 pts/9 00:00:00 -bash

root 44362 2 0 17:50 ? 00:00:00 [kworker/1:1]

root 44454 2 0 17:51 ? 00:00:00 [kworker/12:2]

root 44542 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44564 44542 0 17:53 ? 00:00:00 sshd: txn200004@pts/8

root 44565 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44567 44564 0 17:53 pts/8 00:00:01 -bash

txn2000+ 44661 44565 0 17:53 ? 00:00:00 sshd: txn200004@notty

txn2000+ 44662 44661 0 17:53 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 44675 2 0 17:53 ? 00:00:00 [kworker/u96:0]

root 44767 2 0 Oct23 ? 00:00:26 [kworker/2:1H]

root 44770 2 0 17:55 ? 00:00:00 [kworker/0:2]

root 44856 2 0 Oct23 ? 00:00:01 [kworker/u97:3]

root 44909 2 0 17:57 ? 00:00:00 [kworker/6:0]

root 44955 2 0 17:57 ? 00:00:00 [kworker/4:1]

root 45022 2 0 17:58 ? 00:00:00 [kworker/u97:0]

root 45023 2 0 17:58 ? 00:00:00 [kworker/u98:2]

root 45085 2 0 17:59 ? 00:00:00 [kworker/u96:2]

cdc2300+ 45113 41331 1 17:59 pts/3 00:00:01 vim child.cpp

root 45140 2135 0 17:59 ? 00:00:00 sleep 60

txn2000+ 45200 44567 5 18:00 pts/8 00:00:00 ./matrix 10 1

txn2000+ 45202 45200 0 18:00 pts/8 00:00:00 sh -c date; hostname; who | grep txn200004 ; ps -eaf; ls -l

txn2000+ 45207 45202 0 18:00 pts/8 00:00:00 ps -eaf

root 45941 2 0 Oct23 ? 00:00:17 [kworker/6:0H]

total 72

-rwx--x--x 1 txn200004 se 13520 Oct 24 18:00 matrix

-rw------- 1 txn200004 se 5404 Oct 24 17:57 matrix0.c

-rw------- 1 txn200004 se 6753 Oct 24 17:59 matrix.c

{cslinux2:~/week10Lab2} ./matrix 10 2

MAIN THREAD: The Matrix A is:

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

MAIN THREAD: The Matrix B is:

1 2 3 4 5 6 7 8 9 10

2 3 4 5 6 7 8 9 10 11

3 4 5 6 7 8 9 10 11 12

4 5 6 7 8 9 10 11 12 13

5 6 7 8 9 10 11 12 13 14

6 7 8 9 10 11 12 13 14 15

7 8 9 10 11 12 13 14 15 16

8 9 10 11 12 13 14 15 16 17

9 10 11 12 13 14 15 16 17 18

10 11 12 13 14 15 16 17 18 19

+++++ THREAD 0 created, processing columns 0 to 4 +++++

+++++ THREAD 1 created, processing columns 5 to 9 +++++

=============================================

Matrix THREAD 1: Processing A row 0, B col 5

Matrix THREAD 1: Updating C | row: 0, col: 5. Value = 105

Matrix THREAD 1: Processing A row 1, B col 5

Matrix THREAD 1: Updating C | row: 1, col: 5. Value = 105

Matrix THREAD 1: Processing A row 2, B col 5

Matrix THREAD 1: Updating C | row: 2, col: 5. Value = 105

Matrix THREAD 0: Processing A row 0, B col 0

Matrix THREAD 0: Updating C | row: 0, col: 0. Value = 55

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 55

Matrix THREAD 0: Processing A row 1, B col 0

Matrix THREAD 0: Updating C | row: 1, col: 0. Value = 55

Matrix THREAD 0: Processing A row 2, B col 0

Matrix THREAD 0: Updating C | row: 2, col: 0. Value = 55

Matrix THREAD 0: Processing A row 3, B col 0

Matrix THREAD 0: Updating C | row: 3, col: 0. Value = 55

Matrix THREAD 0: Processing A row 4, B col 0

Matrix THREAD 0: Updating C | row: 4, col: 0. Value = 55

Matrix THREAD 0: Processing A row 5, B col 0

Matrix THREAD 1: Processing A row 3, B col 5

Matrix THREAD 0: Updating C | row: 5, col: 0. Value = 55

Matrix THREAD 0: Processing A row 6, B col 0

Matrix THREAD 1: Updating C | row: 3, col: 5. Value = 105

Matrix THREAD 1: Processing A row 4, B col 5

Matrix THREAD 0: Updating C | row: 6, col: 0. Value = 55

Matrix THREAD 0: Processing A row 7, B col 0

Matrix THREAD 0: Updating C | row: 7, col: 0. Value = 55

Matrix THREAD 0: Processing A row 8, B col 0

Matrix THREAD 1: Updating C | row: 4, col: 5. Value = 105

Matrix THREAD 1: Processing A row 5, B col 5

Matrix THREAD 0: Updating C | row: 8, col: 0. Value = 55

Matrix THREAD 0: Processing A row 9, B col 0

Matrix THREAD 0: Updating C | row: 9, col: 0. Value = 55

Matrix THREAD 0: Processing A row 0, B col 1

Matrix THREAD 1: Updating C | row: 5, col: 5. Value = 105

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 160

Matrix THREAD 1: Processing A row 6, B col 5

Matrix THREAD 0: Updating C | row: 0, col: 1. Value = 65

Matrix THREAD 0: Processing A row 1, B col 1

Matrix THREAD 1: Updating C | row: 6, col: 5. Value = 105

Matrix THREAD 1: Processing A row 7, B col 5

Matrix THREAD 0: Updating C | row: 1, col: 1. Value = 65

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 225

Matrix THREAD 0: Processing A row 2, B col 1

Matrix THREAD 1: Updating C | row: 7, col: 5. Value = 105

Matrix THREAD 1: Processing A row 8, B col 5

Matrix THREAD 1: Updating C | row: 8, col: 5. Value = 105

Matrix THREAD 1: Processing A row 9, B col 5

Matrix THREAD 1: Updating C | row: 9, col: 5. Value = 105

Matrix THREAD 1: Processing A row 0, B col 6

Matrix THREAD 0: Updating C | row: 2, col: 1. Value = 65

Matrix THREAD 0: Processing A row 3, B col 1

Matrix THREAD 1: Updating C | row: 0, col: 6. Value = 115

Matrix THREAD 1: Processing A row 1, B col 6

Matrix THREAD 0: Updating C | row: 3, col: 1. Value = 65

Matrix THREAD 0: Processing A row 4, B col 1

Matrix THREAD 1: Updating C | row: 1, col: 6. Value = 115

Matrix THREAD 1: Processing A row 2, B col 6

Matrix THREAD 0: Updating C | row: 4, col: 1. Value = 65

Matrix THREAD 0: Processing A row 5, B col 1

Matrix THREAD 1: Updating C | row: 2, col: 6. Value = 115

Matrix THREAD 1: Processing A row 3, B col 6

Matrix THREAD 0: Updating C | row: 5, col: 1. Value = 65

Matrix THREAD 0: Processing A row 6, B col 1

Matrix THREAD 1: Updating C | row: 3, col: 6. Value = 115

Matrix THREAD 1: Processing A row 4, B col 6

Matrix THREAD 1: Updating C | row: 4, col: 6. Value = 115

Matrix THREAD 1: Processing A row 5, B col 6

Matrix THREAD 1: Updating C | row: 5, col: 6. Value = 115

Matrix THREAD 1: Processing A row 6, B col 6

Matrix THREAD 0: Updating C | row: 6, col: 1. Value = 65

Matrix THREAD 0: Processing A row 7, B col 1

Matrix THREAD 0: Updating C | row: 7, col: 1. Value = 65

Matrix THREAD 0: Processing A row 8, B col 1

Matrix THREAD 0: Updating C | row: 8, col: 1. Value = 65

Matrix THREAD 0: Processing A row 9, B col 1

Matrix THREAD 1: Updating C | row: 6, col: 6. Value = 115

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 340

Matrix THREAD 1: Processing A row 7, B col 6

Matrix THREAD 0: Updating C | row: 9, col: 1. Value = 65

Matrix THREAD 0: Processing A row 0, B col 2

Matrix THREAD 0: Updating C | row: 0, col: 2. Value = 75

Matrix THREAD 0: Processing A row 1, B col 2

Matrix THREAD 0: Updating C | row: 1, col: 2. Value = 75

Matrix THREAD 0: Processing A row 2, B col 2

Matrix THREAD 1: Updating C | row: 7, col: 6. Value = 115

Matrix THREAD 1: Processing A row 8, B col 6

Matrix THREAD 0: Updating C | row: 2, col: 2. Value = 75

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 415

Matrix THREAD 0: Processing A row 3, B col 2

Matrix THREAD 1: Updating C | row: 8, col: 6. Value = 115

Matrix THREAD 1: Processing A row 9, B col 6

Matrix THREAD 1: Updating C | row: 9, col: 6. Value = 115

Matrix THREAD 1: Processing A row 0, B col 7

Matrix THREAD 0: Updating C | row: 3, col: 2. Value = 75

Matrix THREAD 0: Processing A row 4, B col 2

Matrix THREAD 1: Updating C | row: 0, col: 7. Value = 125

Matrix THREAD 1: Processing A row 1, B col 7

Matrix THREAD 0: Updating C | row: 4, col: 2. Value = 75

Matrix THREAD 0: Processing A row 5, B col 2

Matrix THREAD 1: Updating C | row: 1, col: 7. Value = 125

Matrix THREAD 1: Processing A row 2, B col 7

Matrix THREAD 0: Updating C | row: 5, col: 2. Value = 75

Matrix THREAD 0: Processing A row 6, B col 2

Matrix THREAD 1: Updating C | row: 2, col: 7. Value = 125

Matrix THREAD 1: Processing A row 3, B col 7

Matrix THREAD 0: Updating C | row: 6, col: 2. Value = 75

Matrix THREAD 0: Processing A row 7, B col 2

Matrix THREAD 0: Updating C | row: 7, col: 2. Value = 75

Matrix THREAD 0: Processing A row 8, B col 2

Matrix THREAD 0: Updating C | row: 8, col: 2. Value = 75

Matrix THREAD 1: Updating C | row: 3, col: 7. Value = 125

Matrix THREAD 1: Processing A row 4, B col 7

Matrix THREAD 1: Updating C | row: 4, col: 7. Value = 125

Matrix THREAD 1: Processing A row 5, B col 7

Matrix THREAD 1: Updating C | row: 5, col: 7. Value = 125

Matrix THREAD 1: Processing A row 6, B col 7

Matrix THREAD 1: Updating C | row: 6, col: 7. Value = 125

Matrix THREAD 1: Processing A row 7, B col 7

Matrix THREAD 1: Updating C | row: 7, col: 7. Value = 125

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 540

Matrix THREAD 1: Processing A row 8, B col 7

Matrix THREAD 1: Updating C | row: 8, col: 7. Value = 125

Matrix THREAD 1: Processing A row 9, B col 7

Matrix THREAD 1: Updating C | row: 9, col: 7. Value = 125

Matrix THREAD 1: Processing A row 0, B col 8

Matrix THREAD 1: Updating C | row: 0, col: 8. Value = 135

Matrix THREAD 1: Processing A row 1, B col 8

Matrix THREAD 1: Updating C | row: 1, col: 8. Value = 135

Matrix THREAD 1: Processing A row 2, B col 8

Matrix THREAD 1: Updating C | row: 2, col: 8. Value = 135

Matrix THREAD 1: Processing A row 3, B col 8

Matrix THREAD 1: Updating C | row: 3, col: 8. Value = 135

Matrix THREAD 0: Processing A row 9, B col 2

Matrix THREAD 0: Updating C | row: 9, col: 2. Value = 75

Matrix THREAD 0: Processing A row 0, B col 3

Matrix THREAD 0: Updating C | row: 0, col: 3. Value = 85

Matrix THREAD 0: Processing A row 1, B col 3

Matrix THREAD 0: Updating C | row: 1, col: 3. Value = 85

Matrix THREAD 0: Processing A row 2, B col 3

Matrix THREAD 0: Updating C | row: 2, col: 3. Value = 85

Matrix THREAD 0: Processing A row 3, B col 3

Matrix THREAD 0: Updating C | row: 3, col: 3. Value = 85

Matrix THREAD 1: Processing A row 4, B col 8

Matrix THREAD 1: Updating C | row: 4, col: 8. Value = 135

Matrix THREAD 1: Processing A row 5, B col 8

Matrix THREAD 1: Updating C | row: 5, col: 8. Value = 135

Matrix THREAD 1: Processing A row 6, B col 8

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 625

Matrix THREAD 0: Processing A row 4, B col 3

Matrix THREAD 1: Updating C | row: 6, col: 8. Value = 135

Matrix THREAD 1: Processing A row 7, B col 8

Matrix THREAD 0: Updating C | row: 4, col: 3. Value = 85

Matrix THREAD 0: Processing A row 5, B col 3

Matrix THREAD 0: Updating C | row: 5, col: 3. Value = 85

Matrix THREAD 0: Processing A row 6, B col 3

Matrix THREAD 1: Updating C | row: 7, col: 8. Value = 135

Matrix THREAD 1: Processing A row 8, B col 8

Matrix THREAD 0: Updating C | row: 6, col: 3. Value = 85

Matrix THREAD 0: Processing A row 7, B col 3

Matrix THREAD 1: Updating C | row: 8, col: 8. Value = 135

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 760

Matrix THREAD 1: Processing A row 9, B col 8

Matrix THREAD 0: Updating C | row: 7, col: 3. Value = 85

Matrix THREAD 0: Processing A row 8, B col 3

Matrix THREAD 1: Updating C | row: 9, col: 8. Value = 135

Matrix THREAD 1: Processing A row 0, B col 9

Matrix THREAD 0: Updating C | row: 8, col: 3. Value = 85

Matrix THREAD 0: Processing A row 9, B col 3

Matrix THREAD 0: Updating C | row: 9, col: 3. Value = 85

Matrix THREAD 0: Processing A row 0, B col 4

Matrix THREAD 1: Updating C | row: 0, col: 9. Value = 145

Matrix THREAD 0: Updating C | row: 0, col: 4. Value = 95

Matrix THREAD 0: Processing A row 1, B col 4

Matrix THREAD 0: Updating C | row: 1, col: 4. Value = 95

Matrix THREAD 0: Processing A row 2, B col 4

Matrix THREAD 0: Updating C | row: 2, col: 4. Value = 95

Matrix THREAD 0: Processing A row 3, B col 4

Matrix THREAD 0: Updating C | row: 3, col: 4. Value = 95

Matrix THREAD 0: Processing A row 4, B col 4

Matrix THREAD 0: Updating C | row: 4, col: 4. Value = 95

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 855

Matrix THREAD 0: Processing A row 5, B col 4

Matrix THREAD 0: Updating C | row: 5, col: 4. Value = 95

Matrix THREAD 0: Processing A row 6, B col 4

Matrix THREAD 0: Updating C | row: 6, col: 4. Value = 95

Matrix THREAD 0: Processing A row 7, B col 4

Matrix THREAD 0: Updating C | row: 7, col: 4. Value = 95

Matrix THREAD 0: Processing A row 8, B col 4

Matrix THREAD 0: Updating C | row: 8, col: 4. Value = 95

Matrix THREAD 0: Processing A row 9, B col 4

Matrix THREAD 0: Updating C | row: 9, col: 4. Value = 95

Matrix THREAD 0: \*\*\*\*\* COMPLETE \*\*\*\*\*

Matrix THREAD 1: Processing A row 1, B col 9

Matrix THREAD 1: Updating C | row: 1, col: 9. Value = 145

Matrix THREAD 1: Processing A row 2, B col 9

Matrix THREAD 1: Updating C | row: 2, col: 9. Value = 145

Matrix THREAD 1: Processing A row 3, B col 9

Matrix THREAD 1: Updating C | row: 3, col: 9. Value = 145

Matrix THREAD 1: Processing A row 4, B col 9

Matrix THREAD 1: Updating C | row: 4, col: 9. Value = 145

Matrix THREAD 1: Processing A row 5, B col 9

Matrix THREAD 1: Updating C | row: 5, col: 9. Value = 145

Matrix THREAD 1: Processing A row 6, B col 9

Matrix THREAD 1: Updating C | row: 6, col: 9. Value = 145

Matrix THREAD 1: Processing A row 7, B col 9

Matrix THREAD 1: Updating C | row: 7, col: 9. Value = 145

Matrix THREAD 1: Processing A row 8, B col 9

Matrix THREAD 1: Updating C | row: 8, col: 9. Value = 145

Matrix THREAD 1: Processing A row 9, B col 9

Matrix THREAD 1: Updating C | row: 9, col: 9. Value = 145

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 1000

Matrix THREAD 1: \*\*\*\*\* COMPLETE \*\*\*\*\*

MAIN THREAD: child 0 has joined

MAIN THREAD: child 1 has joined

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MAIN THREAD: The resulting matrix C is:

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

55 65 75 85 95 105 115 125 135 145

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MAIN THREAD: Diagonal sum is: 1000

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Thu Oct 24 18:04:29 CDT 2024

cslinux2.utdallas.edu

txn200004 pts/8 2024-10-24 17:53 (10.50.240.134)

UID PID PPID C STIME TTY TIME CMD

root 1 0 0 Sep24 ? 00:28:28 /usr/lib/systemd/systemd --switched-root --system --deserialize 22

root 2 0 0 Sep24 ? 00:00:11 [kthreadd]

root 4 2 0 Sep24 ? 00:00:00 [kworker/0:0H]

root 6 2 0 Sep24 ? 00:11:36 [ksoftirqd/0]

root 7 2 0 Sep24 ? 00:00:57 [migration/0]

root 8 2 0 Sep24 ? 00:00:00 [rcu\_bh]

root 9 2 0 Sep24 ? 03:38:26 [rcu\_sched]

root 10 2 0 Sep24 ? 00:00:00 [lru-add-drain]

root 11 2 0 Sep24 ? 00:02:31 [watchdog/0]

root 12 2 0 Sep24 ? 00:02:12 [watchdog/1]

root 13 2 0 Sep24 ? 00:00:30 [migration/1]

root 14 2 0 Sep24 ? 00:03:46 [ksoftirqd/1]

root 16 2 0 Sep24 ? 00:00:00 [kworker/1:0H]

root 18 2 0 Sep24 ? 00:02:27 [watchdog/2]

root 19 2 0 Sep24 ? 00:01:22 [migration/2]

root 20 2 0 Sep24 ? 00:02:21 [ksoftirqd/2]

root 22 2 0 Sep24 ? 00:00:00 [kworker/2:0H]

root 24 2 0 Sep24 ? 00:02:12 [watchdog/3]

root 25 2 0 Sep24 ? 00:00:42 [migration/3]

root 26 2 0 Sep24 ? 00:00:12 [ksoftirqd/3]

root 28 2 0 Sep24 ? 00:00:00 [kworker/3:0H]

root 29 2 0 Sep24 ? 00:02:29 [watchdog/4]

root 30 2 0 Sep24 ? 00:00:57 [migration/4]

root 31 2 0 Sep24 ? 00:01:37 [ksoftirqd/4]

root 33 2 0 Sep24 ? 00:00:00 [kworker/4:0H]

root 34 2 0 Sep24 ? 00:02:07 [watchdog/5]

root 35 2 0 Sep24 ? 00:00:19 [migration/5]

root 36 2 0 Sep24 ? 00:00:10 [ksoftirqd/5]

root 38 2 0 Sep24 ? 00:00:00 [kworker/5:0H]

root 39 2 0 Sep24 ? 00:02:32 [watchdog/6]

root 40 2 0 Sep24 ? 00:00:48 [migration/6]

root 41 2 0 Sep24 ? 00:01:12 [ksoftirqd/6]

root 44 2 0 Sep24 ? 00:02:09 [watchdog/7]

root 45 2 0 Sep24 ? 00:00:16 [migration/7]

root 46 2 0 Sep24 ? 00:00:47 [ksoftirqd/7]

root 48 2 0 Sep24 ? 00:00:00 [kworker/7:0H]

root 49 2 0 Sep24 ? 00:02:30 [watchdog/8]

root 50 2 0 Sep24 ? 00:00:44 [migration/8]

root 51 2 0 Sep24 ? 00:01:02 [ksoftirqd/8]

root 54 2 0 Sep24 ? 00:02:11 [watchdog/9]

root 55 2 0 Sep24 ? 00:00:16 [migration/9]

root 56 2 0 Sep24 ? 00:00:11 [ksoftirqd/9]

root 58 2 0 Sep24 ? 00:00:00 [kworker/9:0H]

root 59 2 0 Sep24 ? 00:02:30 [watchdog/10]

root 60 2 0 Sep24 ? 00:00:44 [migration/10]

root 61 2 0 Sep24 ? 00:01:12 [ksoftirqd/10]

root 64 2 0 Sep24 ? 00:02:08 [watchdog/11]

root 65 2 0 Sep24 ? 00:00:15 [migration/11]

root 66 2 0 Sep24 ? 00:00:12 [ksoftirqd/11]

root 68 2 0 Sep24 ? 00:00:00 [kworker/11:0H]

root 69 2 0 Sep24 ? 00:02:30 [watchdog/12]

root 70 2 0 Sep24 ? 00:00:40 [migration/12]

root 71 2 0 Sep24 ? 00:01:11 [ksoftirqd/12]

root 74 2 0 Sep24 ? 00:02:09 [watchdog/13]

root 75 2 0 Sep24 ? 00:00:14 [migration/13]

root 76 2 0 Sep24 ? 00:00:11 [ksoftirqd/13]

root 78 2 0 Sep24 ? 00:00:00 [kworker/13:0H]

root 79 2 0 Sep24 ? 00:02:29 [watchdog/14]

root 80 2 0 Sep24 ? 00:00:43 [migration/14]

root 81 2 0 Sep24 ? 00:01:14 [ksoftirqd/14]

root 83 2 0 Sep24 ? 00:04:30 [kworker/14:0H]

root 84 2 0 Sep24 ? 00:02:06 [watchdog/15]

root 85 2 0 Sep24 ? 00:00:13 [migration/15]

root 86 2 0 Sep24 ? 00:00:11 [ksoftirqd/15]

root 88 2 0 Sep24 ? 00:00:00 [kworker/15:0H]

root 91 2 0 Sep24 ? 00:00:00 [kdevtmpfs]

root 92 2 0 Sep24 ? 00:00:00 [netns]

root 93 2 0 Sep24 ? 00:00:29 [khungtaskd]

root 94 2 0 Sep24 ? 00:00:00 [writeback]

root 95 2 0 Sep24 ? 00:00:00 [kintegrityd]

root 96 2 0 Sep24 ? 00:00:00 [bioset]

root 97 2 0 Sep24 ? 00:00:00 [bioset]

root 98 2 0 Sep24 ? 00:00:00 [bioset]

root 99 2 0 Sep24 ? 00:00:00 [kblockd]

root 101 2 0 Sep24 ? 00:00:00 [md]

root 102 2 0 Sep24 ? 00:00:00 [edac-poller]

root 103 2 0 Sep24 ? 00:00:00 [watchdogd]

root 109 2 0 Sep24 ? 00:00:00 [kswapd0]

root 110 2 0 Sep24 ? 00:00:00 [kswapd1]

root 111 2 0 Sep24 ? 00:00:00 [ksmd]

root 112 2 0 Sep24 ? 00:04:30 [khugepaged]

root 113 2 0 Sep24 ? 00:00:00 [crypto]

root 121 2 0 Sep24 ? 00:00:00 [kthrotld]

root 124 2 0 Sep24 ? 00:00:00 [kmpath\_rdacd]

root 125 2 0 Sep24 ? 00:00:00 [kaluad]

root 136 2 0 Sep24 ? 00:00:00 [kpsmoused]

root 137 2 0 Sep24 ? 00:00:00 [ipv6\_addrconf]

root 150 2 0 Sep24 ? 00:00:00 [deferwq]

root 206 2 0 Sep24 ? 00:00:21 [kauditd]

root 340 2 0 Sep24 ? 00:00:00 [scsi\_eh\_0]

root 356 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_0]

root 363 2 0 Sep24 ? 00:00:00 [ata\_sff]

root 367 2 0 Sep24 ? 00:00:00 [ixgbe]

root 370 2 0 Sep24 ? 00:00:00 [scsi\_eh\_1]

root 371 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_1]

root 372 2 0 Sep24 ? 00:00:00 [scsi\_eh\_2]

root 373 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_2]

root 374 2 0 Sep24 ? 00:00:00 [scsi\_eh\_3]

root 375 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_3]

root 376 2 0 Sep24 ? 00:00:00 [scsi\_eh\_4]

root 377 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_4]

root 378 2 0 Sep24 ? 00:00:00 [scsi\_eh\_5]

root 379 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_5]

root 380 2 0 Sep24 ? 00:00:00 [scsi\_eh\_6]

root 381 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_6]

root 387 2 0 Sep24 ? 00:00:00 [poll\_megasas0\_s]

root 390 2 0 Sep24 ? 00:00:00 [ttm\_swap]

root 435 2 0 Sep24 ? 00:12:33 [jbd2/sda3-8]

root 436 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 520 1 0 Sep24 ? 00:08:21 /usr/lib/systemd/systemd-journald

root 531 2 0 Sep24 ? 00:00:00 [rpciod]

root 532 2 0 Sep24 ? 00:00:00 [xprtiod]

root 540 1 0 Sep24 ? 00:00:00 /usr/sbin/lvmetad -f

root 561 1 0 Sep24 ? 00:00:02 /usr/lib/systemd/systemd-udevd

root 668 2 0 Oct09 ? 00:00:00 [kworker/14:2H]

root 1734 2 0 Sep24 ? 00:00:00 [kvm-irqfd-clean]

root 1847 2 0 07:10 ? 00:00:15 [kworker/5:2]

root 1942 2 0 Sep24 ? 00:00:00 [jbd2/sda2-8]

root 1943 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1948 2 0 Sep24 ? 00:00:00 [jbd2/sda1-8]

root 1949 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1955 2 0 Sep24 ? 00:05:15 [jbd2/sda5-8]

root 1956 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1978 2 0 Sep24 ? 00:00:08 [kworker/3:1H]

root 1979 2 0 Sep24 ? 00:00:10 [kworker/7:1H]

root 1983 1 0 Sep24 ? 00:01:38 /sbin/auditd

root 1986 1983 0 Sep24 ? 00:02:17 /sbin/audispd

root 1988 1986 0 Sep24 ? 00:01:02 /usr/sbin/sedispatch

libstor+ 2008 1 0 Sep24 ? 00:01:46 /usr/bin/lsmd -d

root 2010 1 0 Sep24 ? 00:01:30 /usr/sbin/sssd -i --logger=files

dbus 2014 1 0 Sep24 ? 00:15:36 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation

chrony 2026 1 0 Sep24 ? 00:00:33 /usr/sbin/chronyd

polkitd 2038 1 0 Sep24 ? 00:04:39 /usr/lib/polkit-1/polkitd --no-debug

root 2053 1 0 Sep24 ? 00:06:44 /opt/dell/srvadmin/sbin/dsm\_sa\_eventmgrd

rtkit 2067 1 0 Sep24 ? 00:05:52 /usr/libexec/rtkit-daemon

root 2069 1 0 Sep24 ? 00:00:45 /usr/sbin/gssproxy -D

root 2071 1 0 Sep24 ? 01:39:05 /usr/sbin/irqbalance --foreground

root 2087 1 0 Sep24 ? 00:39:02 /sbin/rngd -f

root 2098 1 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2099 2098 1 Sep24 ? 12:39:56 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2105 1 0 Sep24 ? 00:00:00 /usr/sbin/acpid

root 2131 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.gssd

root 2135 1 0 Sep24 ? 00:27:13 /bin/bash /usr/sbin/ksmtuned

root 2211 1 0 Sep24 ? 05:04:53 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

root 2230 2010 0 Sep24 ? 06:29:50 /usr/libexec/sssd/sssd\_be --domain ipa.utdallas.edu --uid 0 --gid 0 --logger=files

root 2439 2010 0 Sep24 ? 01:20:53 /usr/libexec/sssd/sssd\_nss --uid 0 --gid 0 --logger=files

root 2440 2010 0 Sep24 ? 00:17:37 /usr/libexec/sssd/sssd\_pam --uid 0 --gid 0 --logger=files

root 2442 2010 0 Sep24 ? 00:05:11 /usr/libexec/sssd/sssd\_pac --uid 0 --gid 0 --logger=files

root 2443 2010 0 Sep24 ? 00:04:13 /usr/libexec/sssd/sssd\_sudo --uid 0 --gid 0 --logger=files

root 2444 2010 0 Sep24 ? 00:08:14 /usr/libexec/sssd/sssd\_ssh --uid 0 --gid 0 --logger=files

root 2445 2010 0 Sep24 ? 00:04:22 /usr/libexec/sssd/sssd\_autofs --uid 0 --gid 0 --logger=files

root 2465 1 0 Sep24 ? 00:06:07 /usr/lib/systemd/systemd-logind

root 2466 1 0 Sep24 ? 00:09:59 /usr/libexec/accounts-daemon

root 2518 2 0 Sep24 ? 00:00:08 [kworker/1:1H]

root 2566 1 0 Sep24 ? 01:02:25 /usr/sbin/lldpad -t

root 2567 1 0 Sep24 ? 00:42:05 /usr/bin/python2 -Es /usr/sbin/tuned -l -P

root 2569 1 0 Sep24 ? 00:00:38 /usr/sbin/sshd -D

root 2572 1 0 Sep24 ? 00:00:00 /usr/sbin/cupsd -f

root 2573 1 0 Sep24 ? 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid

telegraf 2588 1 8 Sep24 ? 2-15:35:08 /usr/bin/telegraf -config /etc/telegraf/telegraf.conf -config-directory /etc/telegraf/telegra

root 2594 1 0 Sep24 ? 00:23:46 /usr/sbin/rsyslogd -n

root 2595 2 0 Sep24 ? 00:00:10 [kworker/11:1H]

root 2613 1 0 Sep24 ? 00:01:20 /usr/sbin/lightdm

root 2615 1 0 Sep24 ? 00:01:40 /usr/sbin/crond -n

root 2618 1 0 Sep24 ? 00:00:00 /usr/sbin/atd -f

root 2649 2613 0 Sep24 tty1 00:00:00 /usr/bin/X -background none :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt1 -no

root 2662 2 0 Sep24 ? 00:00:10 [kworker/15:1H]

root 2663 2 0 Sep24 ? 00:00:09 [kworker/5:1H]

root 2664 2 0 Sep24 ? 00:00:10 [kworker/9:1H]

root 2665 2 0 Sep24 ? 00:00:10 [kworker/13:1H]

root 2719 1 0 Sep24 ? 00:46:14 /opt/dell/srvadmin/iSM/sbin/dsm\_ism\_srvmgrd

root 2893 2613 0 Sep24 ? 00:00:00 lightdm --session-child 18 21

lightdm 2972 2893 0 Sep24 ? 00:40:40 /usr/sbin/lightdm-gtk-greeter

root 2982 2211 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

telegraf 3011 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 4 --print-address 6 --session

lightdm 3012 1 0 Sep24 ? 00:00:00 /usr/libexec/at-spi-bus-launcher --launch-immediately

lightdm 3018 1 0 Sep24 ? 00:00:00 dbus-launch --autolaunch=8d19eba0aff440b1a473f9adbfe0aead --binary-syntax --close-stderr

lightdm 3019 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 5 --print-address 7 --session

lightdm 3022 3012 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --config-file=/usr/share/defaults/at-spi2/accessibility.conf --nofork --pr

root 3036 2613 0 Sep24 ? 00:00:00 lightdm --session-child 14 21

colord 3110 1 0 Sep24 ? 00:00:00 /usr/libexec/colord

root 3246 2569 0 Oct19 ? 00:00:00 sshd: sxb027100 [priv]

sxb0271+ 3253 3246 0 Oct19 ? 00:33:05 sshd: sxb027100@pts/1

sxb0271+ 3254 3253 0 Oct19 pts/1 00:00:01 -bash

root 3305 1 7 Sep24 ? 2-10:16:47 /usr/sbin/snmpd -LS0-6d -f

sxb0271+ 3341 3254 0 Oct19 pts/1 00:24:43 ssh enigma

sxb0271+ 3342 3341 0 Oct19 pts/1 00:14:08 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 3686 2569 0 Oct21 ? 00:00:02 sshd: sxb027100 [priv]

sxb0271+ 3704 3686 0 Oct21 ? 00:14:17 sshd: sxb027100@pts/2

sxb0271+ 3705 3704 0 Oct21 pts/2 00:00:00 -bash

rpc 3833 1 0 Sep24 ? 00:01:14 /sbin/rpcbind -w

rpcuser 3839 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.statd

root 4010 2 0 Sep24 ? 00:00:00 [nfsiod]

root 4023 2 0 Sep24 ? 00:00:00 [nfsv4.1-svc]

root 4888 1 0 Sep24 ? 00:13:33 /usr/libexec/packagekitd

sxb0271+ 8482 3705 0 Oct21 pts/2 00:10:14 ssh enigma

sxb0271+ 8483 8482 0 Oct21 pts/2 00:05:43 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 11027 2 0 Oct23 ? 00:00:08 [kworker/10:2]

root 11319 2 0 Oct23 ? 00:00:02 [kworker/11:0]

root 12273 2 0 Oct23 ? 00:00:02 [kworker/15:1]

root 12626 2 0 Oct22 ? 00:00:27 [kworker/6:1]

root 12983 2 0 Oct23 ? 00:00:07 [kworker/4:0]

root 13168 2 0 Oct23 ? 00:00:07 [kworker/1:0]

root 13375 2 0 Oct23 ? 00:00:06 [kworker/14:1]

root 13977 2 0 Oct23 ? 00:00:06 [kworker/12:1]

root 14555 2 0 Sep24 ? 00:00:00 [lockd]

root 15904 2 0 10:52 ? 00:00:01 [kworker/8:1]

root 19552 2 0 11:49 ? 00:00:02 [kworker/2:2]

root 23303 2 0 Sep25 ? 00:01:00 [kworker/8:2H]

root 23322 2 0 Sep25 ? 00:00:02 [kworker/12:2H]

root 23323 2 0 Sep25 ? 00:06:12 [kworker/10:2H]

root 23361 2 0 Sep25 ? 00:00:00 [kworker/6:2H]

root 23448 2 0 Sep25 ? 00:00:00 [kworker/10:0H]

root 23534 2 0 Sep25 ? 00:06:46 [kworker/4:1H]

root 23557 2 0 Sep25 ? 00:07:04 [kworker/0:1H]

root 26219 2 0 00:40 ? 00:00:01 [kworker/13:0]

root 28661 2 0 Oct03 ? 00:04:28 [kworker/12:0H]

root 29721 1 0 Sep24 ? 00:49:11 /usr/sbin/automount --systemd-service --dont-check-daemon

root 30479 2 0 Oct12 ? 00:00:00 [nfsv4.0-svc]

root 30836 2 0 14:42 ? 00:00:01 [kworker/7:1]

root 32124 2 0 Oct23 ? 00:00:16 [kworker/3:0]

root 32125 2 0 Oct23 ? 00:00:04 [kworker/9:2]

root 32678 2 0 15:10 ? 00:00:00 [kworker/5:0]

root 36467 2 0 16:09 ? 00:00:00 [kworker/2:0]

root 37042 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

root 37063 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

tdb2000+ 37065 37042 0 16:17 ? 00:00:01 sshd: tdb200000@pts/4

tdb2000+ 37066 37065 0 16:17 pts/4 00:00:01 -bash

tdb2000+ 37081 37063 0 16:17 ? 00:00:00 sshd: tdb200000@notty

tdb2000+ 37082 37081 0 16:17 ? 00:00:00 /usr/libexec/openssh/sftp-server

tdb2000+ 37238 37066 0 16:18 pts/4 00:00:00 vim index.html

root 38992 2 0 16:44 ? 00:00:00 [kworker/u98:0]

root 39285 2 0 16:49 ? 00:00:01 [kworker/0:0]

root 40939 2 0 17:14 ? 00:00:00 [kworker/10:1]

root 41249 2569 0 17:17 ? 00:00:00 sshd: cdc230001 [priv]

root 41328 2569 0 17:18 ? 00:00:00 sshd: cdc230001 [priv]

cdc2300+ 41330 41249 0 17:18 ? 00:00:03 sshd: cdc230001@pts/3

cdc2300+ 41331 41330 0 17:18 pts/3 00:00:00 -bash

root 41390 2 0 17:18 ? 00:00:00 [kworker/8:2]

cdc2300+ 41419 41328 0 17:18 ? 00:00:00 sshd: cdc230001@notty

cdc2300+ 41420 41419 0 17:18 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 41492 2 0 Oct23 ? 00:00:00 [kworker/15:2]

root 41606 2 0 17:19 ? 00:00:00 [kworker/13:1]

root 41723 2569 0 17:20 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41768 41723 0 17:21 ? 00:00:00 sshd: jxn200027@pts/5

root 41769 2569 0 17:21 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41781 41768 0 17:21 pts/5 00:00:00 -bash

root 41885 2 0 17:21 ? 00:00:00 [kworker/7:2]

jxn2000+ 41895 41769 0 17:21 ? 00:00:00 sshd: jxn200027@notty

jxn2000+ 41896 41895 0 17:21 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42103 2569 0 17:23 ? 00:00:00 sshd: kag210003 [priv]

kag2100+ 42124 42103 0 17:23 ? 00:00:00 sshd: kag210003@pts/6

kag2100+ 42125 42124 0 17:23 pts/6 00:00:00 -bash

root 42162 2 0 17:23 ? 00:00:00 [kworker/11:2]

root 42500 2569 0 17:26 ? 00:00:00 sshd: afb170130 [priv]

root 42535 2569 0 17:27 ? 00:00:00 sshd: afb170130 [priv]

afb1701+ 42537 42500 0 17:27 ? 00:00:00 sshd: afb170130@pts/0

afb1701+ 42538 42537 0 17:27 pts/0 00:00:00 -bash

root 42543 2 0 17:27 ? 00:00:00 [kworker/3:2]

root 42565 2 0 17:27 ? 00:00:00 [kworker/14:2]

afb1701+ 42636 42535 0 17:27 ? 00:00:00 sshd: afb170130@notty

afb1701+ 42637 42636 0 17:27 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42745 2569 0 17:29 ? 00:00:00 sshd: asr190005 [priv]

asr1900+ 42765 42745 0 17:29 ? 00:00:00 sshd: asr190005@pts/7

asr1900+ 42766 42765 0 17:29 pts/7 00:00:00 -bash

root 43294 2 0 17:36 ? 00:00:00 [kworker/9:0]

root 43394 2 0 Oct22 ? 00:00:00 [kworker/8:1H]

root 44239 2569 0 17:50 ? 00:00:00 sshd: ecw240001 [priv]

ecw2400+ 44278 44239 0 17:50 ? 00:00:00 sshd: ecw240001@pts/9

ecw2400+ 44279 44278 0 17:50 pts/9 00:00:00 -bash

root 44362 2 0 17:50 ? 00:00:00 [kworker/1:1]

root 44454 2 0 17:51 ? 00:00:00 [kworker/12:2]

root 44542 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44564 44542 0 17:53 ? 00:00:01 sshd: txn200004@pts/8

root 44565 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44567 44564 0 17:53 pts/8 00:00:01 -bash

txn2000+ 44661 44565 0 17:53 ? 00:00:00 sshd: txn200004@notty

txn2000+ 44662 44661 0 17:53 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 44675 2 0 17:53 ? 00:00:00 [kworker/u96:0]

root 44767 2 0 Oct23 ? 00:00:27 [kworker/2:1H]

root 44770 2 0 17:55 ? 00:00:00 [kworker/0:2]

root 44856 2 0 Oct23 ? 00:00:01 [kworker/u97:3]

root 44909 2 0 17:57 ? 00:00:00 [kworker/6:0]

root 44955 2 0 17:57 ? 00:00:00 [kworker/4:1]

root 45022 2 0 17:58 ? 00:00:00 [kworker/u97:0]

root 45023 2 0 17:58 ? 00:00:00 [kworker/u98:2]

root 45085 2 0 17:59 ? 00:00:00 [kworker/u96:2]

root 45466 2135 0 18:03 ? 00:00:00 sleep 60

txn2000+ 45499 44567 0 18:04 pts/8 00:00:00 ./matrix 10 2

root 45504 2 0 18:04 ? 00:00:00 [kworker/3:1]

txn2000+ 45506 45499 0 18:04 pts/8 00:00:00 sh -c date; hostname; who | grep txn200004 ; ps -eaf; ls -l

txn2000+ 45511 45506 0 18:04 pts/8 00:00:00 ps -eaf

root 45941 2 0 Oct23 ? 00:00:17 [kworker/6:0H]

total 96

-rwx--x--x 1 txn200004 se 13520 Oct 24 18:00 matrix

-rw------- 1 txn200004 se 5404 Oct 24 17:57 matrix0.c

-rw------- 1 txn200004 se 6753 Oct 24 17:59 matrix.c

-rw------- 1 txn200004 se 564 Oct 24 18:00 week10who.txt

{cslinux2:~/week10Lab2} ./matrix 20 1

MAIN THREAD: The Matrix A is:

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

MAIN THREAD: The Matrix B is:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

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+++++ THREAD 0 created, processing columns 0 to 19 +++++

Matrix THREAD 0: Processing A row 0, B col 0

Matrix THREAD 0: Updating C | row: 0, col: 0. Value = 210

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 210

Matrix THREAD 0: Processing A row 1, B col 0

Matrix THREAD 0: Updating C | row: 1, col: 0. Value = 210

Matrix THREAD 0: Processing A row 2, B col 0

Matrix THREAD 0: Updating C | row: 2, col: 0. Value = 210

Matrix THREAD 0: Processing A row 3, B col 0

Matrix THREAD 0: Updating C | row: 3, col: 0. Value = 210

Matrix THREAD 0: Processing A row 4, B col 0

Matrix THREAD 0: Updating C | row: 4, col: 0. Value = 210

Matrix THREAD 0: Processing A row 5, B col 0

Matrix THREAD 0: Updating C | row: 5, col: 0. Value = 210

Matrix THREAD 0: Processing A row 6, B col 0

Matrix THREAD 0: Updating C | row: 6, col: 0. Value = 210

Matrix THREAD 0: Processing A row 7, B col 0

Matrix THREAD 0: Updating C | row: 7, col: 0. Value = 210

Matrix THREAD 0: Processing A row 8, B col 0

Matrix THREAD 0: Updating C | row: 8, col: 0. Value = 210

Matrix THREAD 0: Processing A row 9, B col 0

Matrix THREAD 0: Updating C | row: 9, col: 0. Value = 210

Matrix THREAD 0: Processing A row 10, B col 0

Matrix THREAD 0: Updating C | row: 10, col: 0. Value = 210

Matrix THREAD 0: Processing A row 11, B col 0

Matrix THREAD 0: Updating C | row: 11, col: 0. Value = 210

Matrix THREAD 0: Processing A row 12, B col 0

Matrix THREAD 0: Updating C | row: 12, col: 0. Value = 210

Matrix THREAD 0: Processing A row 13, B col 0

Matrix THREAD 0: Updating C | row: 13, col: 0. Value = 210

Matrix THREAD 0: Processing A row 14, B col 0

Matrix THREAD 0: Updating C | row: 14, col: 0. Value = 210

Matrix THREAD 0: Processing A row 15, B col 0

Matrix THREAD 0: Updating C | row: 15, col: 0. Value = 210

Matrix THREAD 0: Processing A row 16, B col 0

Matrix THREAD 0: Updating C | row: 16, col: 0. Value = 210

Matrix THREAD 0: Processing A row 17, B col 0

Matrix THREAD 0: Updating C | row: 17, col: 0. Value = 210

Matrix THREAD 0: Processing A row 18, B col 0

Matrix THREAD 0: Updating C | row: 18, col: 0. Value = 210

Matrix THREAD 0: Processing A row 19, B col 0

Matrix THREAD 0: Updating C | row: 19, col: 0. Value = 210

Matrix THREAD 0: Processing A row 0, B col 1

Matrix THREAD 0: Updating C | row: 0, col: 1. Value = 230

Matrix THREAD 0: Processing A row 1, B col 1

Matrix THREAD 0: Updating C | row: 1, col: 1. Value = 230

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 440

Matrix THREAD 0: Processing A row 2, B col 1

Matrix THREAD 0: Updating C | row: 2, col: 1. Value = 230

Matrix THREAD 0: Processing A row 3, B col 1

Matrix THREAD 0: Updating C | row: 3, col: 1. Value = 230

Matrix THREAD 0: Processing A row 4, B col 1

Matrix THREAD 0: Updating C | row: 4, col: 1. Value = 230

Matrix THREAD 0: Processing A row 5, B col 1

Matrix THREAD 0: Updating C | row: 5, col: 1. Value = 230

Matrix THREAD 0: Processing A row 6, B col 1

Matrix THREAD 0: Updating C | row: 6, col: 1. Value = 230

Matrix THREAD 0: Processing A row 7, B col 1

Matrix THREAD 0: Updating C | row: 7, col: 1. Value = 230

Matrix THREAD 0: Processing A row 8, B col 1

Matrix THREAD 0: Updating C | row: 8, col: 1. Value = 230

Matrix THREAD 0: Processing A row 9, B col 1

Matrix THREAD 0: Updating C | row: 9, col: 1. Value = 230

Matrix THREAD 0: Processing A row 10, B col 1

Matrix THREAD 0: Updating C | row: 10, col: 1. Value = 230

Matrix THREAD 0: Processing A row 11, B col 1

Matrix THREAD 0: Updating C | row: 11, col: 1. Value = 230

Matrix THREAD 0: Processing A row 12, B col 1

Matrix THREAD 0: Updating C | row: 12, col: 1. Value = 230

Matrix THREAD 0: Processing A row 13, B col 1

Matrix THREAD 0: Updating C | row: 13, col: 1. Value = 230

Matrix THREAD 0: Processing A row 14, B col 1

Matrix THREAD 0: Updating C | row: 14, col: 1. Value = 230

Matrix THREAD 0: Processing A row 15, B col 1

Matrix THREAD 0: Updating C | row: 15, col: 1. Value = 230

Matrix THREAD 0: Processing A row 16, B col 1

Matrix THREAD 0: Updating C | row: 16, col: 1. Value = 230

Matrix THREAD 0: Processing A row 17, B col 1

Matrix THREAD 0: Updating C | row: 17, col: 1. Value = 230

Matrix THREAD 0: Processing A row 18, B col 1

Matrix THREAD 0: Updating C | row: 18, col: 1. Value = 230

Matrix THREAD 0: Processing A row 19, B col 1

Matrix THREAD 0: Updating C | row: 19, col: 1. Value = 230

Matrix THREAD 0: Processing A row 0, B col 2

Matrix THREAD 0: Updating C | row: 0, col: 2. Value = 250

Matrix THREAD 0: Processing A row 1, B col 2

Matrix THREAD 0: Updating C | row: 1, col: 2. Value = 250

Matrix THREAD 0: Processing A row 2, B col 2

Matrix THREAD 0: Updating C | row: 2, col: 2. Value = 250

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 690

Matrix THREAD 0: Processing A row 3, B col 2

Matrix THREAD 0: Updating C | row: 3, col: 2. Value = 250

Matrix THREAD 0: Processing A row 4, B col 2

Matrix THREAD 0: Updating C | row: 4, col: 2. Value = 250

Matrix THREAD 0: Processing A row 5, B col 2

Matrix THREAD 0: Updating C | row: 5, col: 2. Value = 250

Matrix THREAD 0: Processing A row 6, B col 2

Matrix THREAD 0: Updating C | row: 6, col: 2. Value = 250

Matrix THREAD 0: Processing A row 7, B col 2

Matrix THREAD 0: Updating C | row: 7, col: 2. Value = 250

Matrix THREAD 0: Processing A row 8, B col 2

Matrix THREAD 0: Updating C | row: 8, col: 2. Value = 250

Matrix THREAD 0: Processing A row 9, B col 2

Matrix THREAD 0: Updating C | row: 9, col: 2. Value = 250

Matrix THREAD 0: Processing A row 10, B col 2

Matrix THREAD 0: Updating C | row: 10, col: 2. Value = 250

Matrix THREAD 0: Processing A row 11, B col 2

Matrix THREAD 0: Updating C | row: 11, col: 2. Value = 250

Matrix THREAD 0: Processing A row 12, B col 2

Matrix THREAD 0: Updating C | row: 12, col: 2. Value = 250

Matrix THREAD 0: Processing A row 13, B col 2

Matrix THREAD 0: Updating C | row: 13, col: 2. Value = 250

Matrix THREAD 0: Processing A row 14, B col 2

Matrix THREAD 0: Updating C | row: 14, col: 2. Value = 250

Matrix THREAD 0: Processing A row 15, B col 2

Matrix THREAD 0: Updating C | row: 15, col: 2. Value = 250

Matrix THREAD 0: Processing A row 16, B col 2

Matrix THREAD 0: Updating C | row: 16, col: 2. Value = 250

Matrix THREAD 0: Processing A row 17, B col 2

Matrix THREAD 0: Updating C | row: 17, col: 2. Value = 250

Matrix THREAD 0: Processing A row 18, B col 2

Matrix THREAD 0: Updating C | row: 18, col: 2. Value = 250

Matrix THREAD 0: Processing A row 19, B col 2

Matrix THREAD 0: Updating C | row: 19, col: 2. Value = 250

Matrix THREAD 0: Processing A row 0, B col 3

Matrix THREAD 0: Updating C | row: 0, col: 3. Value = 270

Matrix THREAD 0: Processing A row 1, B col 3

Matrix THREAD 0: Updating C | row: 1, col: 3. Value = 270

Matrix THREAD 0: Processing A row 2, B col 3

Matrix THREAD 0: Updating C | row: 2, col: 3. Value = 270

Matrix THREAD 0: Processing A row 3, B col 3

Matrix THREAD 0: Updating C | row: 3, col: 3. Value = 270

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 960

Matrix THREAD 0: Processing A row 4, B col 3

Matrix THREAD 0: Updating C | row: 4, col: 3. Value = 270

Matrix THREAD 0: Processing A row 5, B col 3

Matrix THREAD 0: Updating C | row: 5, col: 3. Value = 270

Matrix THREAD 0: Processing A row 6, B col 3

Matrix THREAD 0: Updating C | row: 6, col: 3. Value = 270

Matrix THREAD 0: Processing A row 7, B col 3

Matrix THREAD 0: Updating C | row: 7, col: 3. Value = 270

Matrix THREAD 0: Processing A row 8, B col 3

Matrix THREAD 0: Updating C | row: 8, col: 3. Value = 270

Matrix THREAD 0: Processing A row 9, B col 3

Matrix THREAD 0: Updating C | row: 9, col: 3. Value = 270

Matrix THREAD 0: Processing A row 10, B col 3

Matrix THREAD 0: Updating C | row: 10, col: 3. Value = 270

Matrix THREAD 0: Processing A row 11, B col 3

Matrix THREAD 0: Updating C | row: 11, col: 3. Value = 270

Matrix THREAD 0: Processing A row 12, B col 3

Matrix THREAD 0: Updating C | row: 12, col: 3. Value = 270

Matrix THREAD 0: Processing A row 13, B col 3

Matrix THREAD 0: Updating C | row: 13, col: 3. Value = 270

Matrix THREAD 0: Processing A row 14, B col 3

Matrix THREAD 0: Updating C | row: 14, col: 3. Value = 270

Matrix THREAD 0: Processing A row 15, B col 3

Matrix THREAD 0: Updating C | row: 15, col: 3. Value = 270

Matrix THREAD 0: Processing A row 16, B col 3

Matrix THREAD 0: Updating C | row: 16, col: 3. Value = 270

Matrix THREAD 0: Processing A row 17, B col 3

Matrix THREAD 0: Updating C | row: 17, col: 3. Value = 270

Matrix THREAD 0: Processing A row 18, B col 3

Matrix THREAD 0: Updating C | row: 18, col: 3. Value = 270

Matrix THREAD 0: Processing A row 19, B col 3

Matrix THREAD 0: Updating C | row: 19, col: 3. Value = 270

Matrix THREAD 0: Processing A row 0, B col 4

Matrix THREAD 0: Updating C | row: 0, col: 4. Value = 290

Matrix THREAD 0: Processing A row 1, B col 4

Matrix THREAD 0: Updating C | row: 1, col: 4. Value = 290

Matrix THREAD 0: Processing A row 2, B col 4

Matrix THREAD 0: Updating C | row: 2, col: 4. Value = 290

Matrix THREAD 0: Processing A row 3, B col 4

Matrix THREAD 0: Updating C | row: 3, col: 4. Value = 290

Matrix THREAD 0: Processing A row 4, B col 4

Matrix THREAD 0: Updating C | row: 4, col: 4. Value = 290

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 1250

Matrix THREAD 0: Processing A row 5, B col 4

Matrix THREAD 0: Updating C | row: 5, col: 4. Value = 290

Matrix THREAD 0: Processing A row 6, B col 4

Matrix THREAD 0: Updating C | row: 6, col: 4. Value = 290

Matrix THREAD 0: Processing A row 7, B col 4

Matrix THREAD 0: Updating C | row: 7, col: 4. Value = 290

Matrix THREAD 0: Processing A row 8, B col 4

Matrix THREAD 0: Updating C | row: 8, col: 4. Value = 290

Matrix THREAD 0: Processing A row 9, B col 4

Matrix THREAD 0: Updating C | row: 9, col: 4. Value = 290

Matrix THREAD 0: Processing A row 10, B col 4

Matrix THREAD 0: Updating C | row: 10, col: 4. Value = 290

Matrix THREAD 0: Processing A row 11, B col 4

Matrix THREAD 0: Updating C | row: 11, col: 4. Value = 290

Matrix THREAD 0: Processing A row 12, B col 4

Matrix THREAD 0: Updating C | row: 12, col: 4. Value = 290

Matrix THREAD 0: Processing A row 13, B col 4

Matrix THREAD 0: Updating C | row: 13, col: 4. Value = 290

Matrix THREAD 0: Processing A row 14, B col 4

Matrix THREAD 0: Updating C | row: 14, col: 4. Value = 290

Matrix THREAD 0: Processing A row 15, B col 4

Matrix THREAD 0: Updating C | row: 15, col: 4. Value = 290

Matrix THREAD 0: Processing A row 16, B col 4

Matrix THREAD 0: Updating C | row: 16, col: 4. Value = 290

Matrix THREAD 0: Processing A row 17, B col 4

Matrix THREAD 0: Updating C | row: 17, col: 4. Value = 290

Matrix THREAD 0: Processing A row 18, B col 4

Matrix THREAD 0: Updating C | row: 18, col: 4. Value = 290

Matrix THREAD 0: Processing A row 19, B col 4

Matrix THREAD 0: Updating C | row: 19, col: 4. Value = 290

Matrix THREAD 0: Processing A row 0, B col 5

Matrix THREAD 0: Updating C | row: 0, col: 5. Value = 310

Matrix THREAD 0: Processing A row 1, B col 5

Matrix THREAD 0: Updating C | row: 1, col: 5. Value = 310

Matrix THREAD 0: Processing A row 2, B col 5

Matrix THREAD 0: Updating C | row: 2, col: 5. Value = 310

Matrix THREAD 0: Processing A row 3, B col 5

Matrix THREAD 0: Updating C | row: 3, col: 5. Value = 310

Matrix THREAD 0: Processing A row 4, B col 5

Matrix THREAD 0: Updating C | row: 4, col: 5. Value = 310

Matrix THREAD 0: Processing A row 5, B col 5

Matrix THREAD 0: Updating C | row: 5, col: 5. Value = 310

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 1560

Matrix THREAD 0: Processing A row 6, B col 5

Matrix THREAD 0: Updating C | row: 6, col: 5. Value = 310

Matrix THREAD 0: Processing A row 7, B col 5

Matrix THREAD 0: Updating C | row: 7, col: 5. Value = 310

Matrix THREAD 0: Processing A row 8, B col 5

Matrix THREAD 0: Updating C | row: 8, col: 5. Value = 310

Matrix THREAD 0: Processing A row 9, B col 5

Matrix THREAD 0: Updating C | row: 9, col: 5. Value = 310

Matrix THREAD 0: Processing A row 10, B col 5

Matrix THREAD 0: Updating C | row: 10, col: 5. Value = 310

Matrix THREAD 0: Processing A row 11, B col 5

Matrix THREAD 0: Updating C | row: 11, col: 5. Value = 310

Matrix THREAD 0: Processing A row 12, B col 5

Matrix THREAD 0: Updating C | row: 12, col: 5. Value = 310

Matrix THREAD 0: Processing A row 13, B col 5

Matrix THREAD 0: Updating C | row: 13, col: 5. Value = 310

Matrix THREAD 0: Processing A row 14, B col 5

Matrix THREAD 0: Updating C | row: 14, col: 5. Value = 310

Matrix THREAD 0: Processing A row 15, B col 5

Matrix THREAD 0: Updating C | row: 15, col: 5. Value = 310

Matrix THREAD 0: Processing A row 16, B col 5

Matrix THREAD 0: Updating C | row: 16, col: 5. Value = 310

Matrix THREAD 0: Processing A row 17, B col 5

Matrix THREAD 0: Updating C | row: 17, col: 5. Value = 310

Matrix THREAD 0: Processing A row 18, B col 5

Matrix THREAD 0: Updating C | row: 18, col: 5. Value = 310

Matrix THREAD 0: Processing A row 19, B col 5

Matrix THREAD 0: Updating C | row: 19, col: 5. Value = 310

Matrix THREAD 0: Processing A row 0, B col 6

Matrix THREAD 0: Updating C | row: 0, col: 6. Value = 330

Matrix THREAD 0: Processing A row 1, B col 6

Matrix THREAD 0: Updating C | row: 1, col: 6. Value = 330

Matrix THREAD 0: Processing A row 2, B col 6

Matrix THREAD 0: Updating C | row: 2, col: 6. Value = 330

Matrix THREAD 0: Processing A row 3, B col 6

Matrix THREAD 0: Updating C | row: 3, col: 6. Value = 330

Matrix THREAD 0: Processing A row 4, B col 6

Matrix THREAD 0: Updating C | row: 4, col: 6. Value = 330

Matrix THREAD 0: Processing A row 5, B col 6

Matrix THREAD 0: Updating C | row: 5, col: 6. Value = 330

Matrix THREAD 0: Processing A row 6, B col 6

Matrix THREAD 0: Updating C | row: 6, col: 6. Value = 330

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 1890

Matrix THREAD 0: Processing A row 7, B col 6

Matrix THREAD 0: Updating C | row: 7, col: 6. Value = 330

Matrix THREAD 0: Processing A row 8, B col 6

Matrix THREAD 0: Updating C | row: 8, col: 6. Value = 330

Matrix THREAD 0: Processing A row 9, B col 6

Matrix THREAD 0: Updating C | row: 9, col: 6. Value = 330

Matrix THREAD 0: Processing A row 10, B col 6

Matrix THREAD 0: Updating C | row: 10, col: 6. Value = 330

Matrix THREAD 0: Processing A row 11, B col 6

Matrix THREAD 0: Updating C | row: 11, col: 6. Value = 330

Matrix THREAD 0: Processing A row 12, B col 6

Matrix THREAD 0: Updating C | row: 12, col: 6. Value = 330

Matrix THREAD 0: Processing A row 13, B col 6

Matrix THREAD 0: Updating C | row: 13, col: 6. Value = 330

Matrix THREAD 0: Processing A row 14, B col 6

Matrix THREAD 0: Updating C | row: 14, col: 6. Value = 330

Matrix THREAD 0: Processing A row 15, B col 6

Matrix THREAD 0: Updating C | row: 15, col: 6. Value = 330

Matrix THREAD 0: Processing A row 16, B col 6

Matrix THREAD 0: Updating C | row: 16, col: 6. Value = 330

Matrix THREAD 0: Processing A row 17, B col 6

Matrix THREAD 0: Updating C | row: 17, col: 6. Value = 330

Matrix THREAD 0: Processing A row 18, B col 6

Matrix THREAD 0: Updating C | row: 18, col: 6. Value = 330

Matrix THREAD 0: Processing A row 19, B col 6

Matrix THREAD 0: Updating C | row: 19, col: 6. Value = 330

Matrix THREAD 0: Processing A row 0, B col 7

Matrix THREAD 0: Updating C | row: 0, col: 7. Value = 350

Matrix THREAD 0: Processing A row 1, B col 7

Matrix THREAD 0: Updating C | row: 1, col: 7. Value = 350

Matrix THREAD 0: Processing A row 2, B col 7

Matrix THREAD 0: Updating C | row: 2, col: 7. Value = 350

Matrix THREAD 0: Processing A row 3, B col 7

Matrix THREAD 0: Updating C | row: 3, col: 7. Value = 350

Matrix THREAD 0: Processing A row 4, B col 7

Matrix THREAD 0: Updating C | row: 4, col: 7. Value = 350

Matrix THREAD 0: Processing A row 5, B col 7

Matrix THREAD 0: Updating C | row: 5, col: 7. Value = 350

Matrix THREAD 0: Processing A row 6, B col 7

Matrix THREAD 0: Updating C | row: 6, col: 7. Value = 350

Matrix THREAD 0: Processing A row 7, B col 7

Matrix THREAD 0: Updating C | row: 7, col: 7. Value = 350

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 2240

Matrix THREAD 0: Processing A row 8, B col 7

Matrix THREAD 0: Updating C | row: 8, col: 7. Value = 350

Matrix THREAD 0: Processing A row 9, B col 7

Matrix THREAD 0: Updating C | row: 9, col: 7. Value = 350

Matrix THREAD 0: Processing A row 10, B col 7

Matrix THREAD 0: Updating C | row: 10, col: 7. Value = 350

Matrix THREAD 0: Processing A row 11, B col 7

Matrix THREAD 0: Updating C | row: 11, col: 7. Value = 350

Matrix THREAD 0: Processing A row 12, B col 7

Matrix THREAD 0: Updating C | row: 12, col: 7. Value = 350

Matrix THREAD 0: Processing A row 13, B col 7

Matrix THREAD 0: Updating C | row: 13, col: 7. Value = 350

Matrix THREAD 0: Processing A row 14, B col 7

Matrix THREAD 0: Updating C | row: 14, col: 7. Value = 350

Matrix THREAD 0: Processing A row 15, B col 7

Matrix THREAD 0: Updating C | row: 15, col: 7. Value = 350

Matrix THREAD 0: Processing A row 16, B col 7

Matrix THREAD 0: Updating C | row: 16, col: 7. Value = 350

Matrix THREAD 0: Processing A row 17, B col 7

Matrix THREAD 0: Updating C | row: 17, col: 7. Value = 350

Matrix THREAD 0: Processing A row 18, B col 7

Matrix THREAD 0: Updating C | row: 18, col: 7. Value = 350

Matrix THREAD 0: Processing A row 19, B col 7

Matrix THREAD 0: Updating C | row: 19, col: 7. Value = 350

Matrix THREAD 0: Processing A row 0, B col 8

Matrix THREAD 0: Updating C | row: 0, col: 8. Value = 370

Matrix THREAD 0: Processing A row 1, B col 8

Matrix THREAD 0: Updating C | row: 1, col: 8. Value = 370

Matrix THREAD 0: Processing A row 2, B col 8

Matrix THREAD 0: Updating C | row: 2, col: 8. Value = 370

Matrix THREAD 0: Processing A row 3, B col 8

Matrix THREAD 0: Updating C | row: 3, col: 8. Value = 370

Matrix THREAD 0: Processing A row 4, B col 8

Matrix THREAD 0: Updating C | row: 4, col: 8. Value = 370

Matrix THREAD 0: Processing A row 5, B col 8

Matrix THREAD 0: Updating C | row: 5, col: 8. Value = 370

Matrix THREAD 0: Processing A row 6, B col 8

Matrix THREAD 0: Updating C | row: 6, col: 8. Value = 370

Matrix THREAD 0: Processing A row 7, B col 8

Matrix THREAD 0: Updating C | row: 7, col: 8. Value = 370

Matrix THREAD 0: Processing A row 8, B col 8

Matrix THREAD 0: Updating C | row: 8, col: 8. Value = 370

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 2610

Matrix THREAD 0: Processing A row 9, B col 8

Matrix THREAD 0: Updating C | row: 9, col: 8. Value = 370

Matrix THREAD 0: Processing A row 10, B col 8

Matrix THREAD 0: Updating C | row: 10, col: 8. Value = 370

Matrix THREAD 0: Processing A row 11, B col 8

Matrix THREAD 0: Updating C | row: 11, col: 8. Value = 370

Matrix THREAD 0: Processing A row 12, B col 8

Matrix THREAD 0: Updating C | row: 12, col: 8. Value = 370

Matrix THREAD 0: Processing A row 13, B col 8

Matrix THREAD 0: Updating C | row: 13, col: 8. Value = 370

Matrix THREAD 0: Processing A row 14, B col 8

Matrix THREAD 0: Updating C | row: 14, col: 8. Value = 370

Matrix THREAD 0: Processing A row 15, B col 8

Matrix THREAD 0: Updating C | row: 15, col: 8. Value = 370

Matrix THREAD 0: Processing A row 16, B col 8

Matrix THREAD 0: Updating C | row: 16, col: 8. Value = 370

Matrix THREAD 0: Processing A row 17, B col 8

Matrix THREAD 0: Updating C | row: 17, col: 8. Value = 370

Matrix THREAD 0: Processing A row 18, B col 8

Matrix THREAD 0: Updating C | row: 18, col: 8. Value = 370

Matrix THREAD 0: Processing A row 19, B col 8

Matrix THREAD 0: Updating C | row: 19, col: 8. Value = 370

Matrix THREAD 0: Processing A row 0, B col 9

Matrix THREAD 0: Updating C | row: 0, col: 9. Value = 390

Matrix THREAD 0: Processing A row 1, B col 9

Matrix THREAD 0: Updating C | row: 1, col: 9. Value = 390

Matrix THREAD 0: Processing A row 2, B col 9

Matrix THREAD 0: Updating C | row: 2, col: 9. Value = 390

Matrix THREAD 0: Processing A row 3, B col 9

Matrix THREAD 0: Updating C | row: 3, col: 9. Value = 390

Matrix THREAD 0: Processing A row 4, B col 9

Matrix THREAD 0: Updating C | row: 4, col: 9. Value = 390

Matrix THREAD 0: Processing A row 5, B col 9

Matrix THREAD 0: Updating C | row: 5, col: 9. Value = 390

Matrix THREAD 0: Processing A row 6, B col 9

Matrix THREAD 0: Updating C | row: 6, col: 9. Value = 390

Matrix THREAD 0: Processing A row 7, B col 9

Matrix THREAD 0: Updating C | row: 7, col: 9. Value = 390

Matrix THREAD 0: Processing A row 8, B col 9

Matrix THREAD 0: Updating C | row: 8, col: 9. Value = 390

Matrix THREAD 0: Processing A row 9, B col 9

Matrix THREAD 0: Updating C | row: 9, col: 9. Value = 390

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 3000

Matrix THREAD 0: Processing A row 10, B col 9

Matrix THREAD 0: Updating C | row: 10, col: 9. Value = 390

Matrix THREAD 0: Processing A row 11, B col 9

Matrix THREAD 0: Updating C | row: 11, col: 9. Value = 390

Matrix THREAD 0: Processing A row 12, B col 9

Matrix THREAD 0: Updating C | row: 12, col: 9. Value = 390

Matrix THREAD 0: Processing A row 13, B col 9

Matrix THREAD 0: Updating C | row: 13, col: 9. Value = 390

Matrix THREAD 0: Processing A row 14, B col 9

Matrix THREAD 0: Updating C | row: 14, col: 9. Value = 390

Matrix THREAD 0: Processing A row 15, B col 9

Matrix THREAD 0: Updating C | row: 15, col: 9. Value = 390

Matrix THREAD 0: Processing A row 16, B col 9

Matrix THREAD 0: Updating C | row: 16, col: 9. Value = 390

Matrix THREAD 0: Processing A row 17, B col 9

Matrix THREAD 0: Updating C | row: 17, col: 9. Value = 390

Matrix THREAD 0: Processing A row 18, B col 9

Matrix THREAD 0: Updating C | row: 18, col: 9. Value = 390

Matrix THREAD 0: Processing A row 19, B col 9

Matrix THREAD 0: Updating C | row: 19, col: 9. Value = 390

Matrix THREAD 0: Processing A row 0, B col 10

Matrix THREAD 0: Updating C | row: 0, col: 10. Value = 410

Matrix THREAD 0: Processing A row 1, B col 10

Matrix THREAD 0: Updating C | row: 1, col: 10. Value = 410

Matrix THREAD 0: Processing A row 2, B col 10

Matrix THREAD 0: Updating C | row: 2, col: 10. Value = 410

Matrix THREAD 0: Processing A row 3, B col 10

Matrix THREAD 0: Updating C | row: 3, col: 10. Value = 410

Matrix THREAD 0: Processing A row 4, B col 10

Matrix THREAD 0: Updating C | row: 4, col: 10. Value = 410

Matrix THREAD 0: Processing A row 5, B col 10

Matrix THREAD 0: Updating C | row: 5, col: 10. Value = 410

Matrix THREAD 0: Processing A row 6, B col 10

Matrix THREAD 0: Updating C | row: 6, col: 10. Value = 410

Matrix THREAD 0: Processing A row 7, B col 10

Matrix THREAD 0: Updating C | row: 7, col: 10. Value = 410

Matrix THREAD 0: Processing A row 8, B col 10

Matrix THREAD 0: Updating C | row: 8, col: 10. Value = 410

Matrix THREAD 0: Processing A row 9, B col 10

Matrix THREAD 0: Updating C | row: 9, col: 10. Value = 410

Matrix THREAD 0: Processing A row 10, B col 10

Matrix THREAD 0: Updating C | row: 10, col: 10. Value = 410

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 3410

Matrix THREAD 0: Processing A row 11, B col 10

Matrix THREAD 0: Updating C | row: 11, col: 10. Value = 410

Matrix THREAD 0: Processing A row 12, B col 10

Matrix THREAD 0: Updating C | row: 12, col: 10. Value = 410

Matrix THREAD 0: Processing A row 13, B col 10

Matrix THREAD 0: Updating C | row: 13, col: 10. Value = 410

Matrix THREAD 0: Processing A row 14, B col 10

Matrix THREAD 0: Updating C | row: 14, col: 10. Value = 410

Matrix THREAD 0: Processing A row 15, B col 10

Matrix THREAD 0: Updating C | row: 15, col: 10. Value = 410

Matrix THREAD 0: Processing A row 16, B col 10

Matrix THREAD 0: Updating C | row: 16, col: 10. Value = 410

Matrix THREAD 0: Processing A row 17, B col 10

Matrix THREAD 0: Updating C | row: 17, col: 10. Value = 410

Matrix THREAD 0: Processing A row 18, B col 10

Matrix THREAD 0: Updating C | row: 18, col: 10. Value = 410

Matrix THREAD 0: Processing A row 19, B col 10

Matrix THREAD 0: Updating C | row: 19, col: 10. Value = 410

Matrix THREAD 0: Processing A row 0, B col 11

Matrix THREAD 0: Updating C | row: 0, col: 11. Value = 430

Matrix THREAD 0: Processing A row 1, B col 11

Matrix THREAD 0: Updating C | row: 1, col: 11. Value = 430

Matrix THREAD 0: Processing A row 2, B col 11

Matrix THREAD 0: Updating C | row: 2, col: 11. Value = 430

Matrix THREAD 0: Processing A row 3, B col 11

Matrix THREAD 0: Updating C | row: 3, col: 11. Value = 430

Matrix THREAD 0: Processing A row 4, B col 11

Matrix THREAD 0: Updating C | row: 4, col: 11. Value = 430

Matrix THREAD 0: Processing A row 5, B col 11

Matrix THREAD 0: Updating C | row: 5, col: 11. Value = 430

Matrix THREAD 0: Processing A row 6, B col 11

Matrix THREAD 0: Updating C | row: 6, col: 11. Value = 430

Matrix THREAD 0: Processing A row 7, B col 11

Matrix THREAD 0: Updating C | row: 7, col: 11. Value = 430

Matrix THREAD 0: Processing A row 8, B col 11

Matrix THREAD 0: Updating C | row: 8, col: 11. Value = 430

Matrix THREAD 0: Processing A row 9, B col 11

Matrix THREAD 0: Updating C | row: 9, col: 11. Value = 430

Matrix THREAD 0: Processing A row 10, B col 11

Matrix THREAD 0: Updating C | row: 10, col: 11. Value = 430

Matrix THREAD 0: Processing A row 11, B col 11

Matrix THREAD 0: Updating C | row: 11, col: 11. Value = 430

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 3840

Matrix THREAD 0: Processing A row 12, B col 11

Matrix THREAD 0: Updating C | row: 12, col: 11. Value = 430

Matrix THREAD 0: Processing A row 13, B col 11

Matrix THREAD 0: Updating C | row: 13, col: 11. Value = 430

Matrix THREAD 0: Processing A row 14, B col 11

Matrix THREAD 0: Updating C | row: 14, col: 11. Value = 430

Matrix THREAD 0: Processing A row 15, B col 11

Matrix THREAD 0: Updating C | row: 15, col: 11. Value = 430

Matrix THREAD 0: Processing A row 16, B col 11

Matrix THREAD 0: Updating C | row: 16, col: 11. Value = 430

Matrix THREAD 0: Processing A row 17, B col 11

Matrix THREAD 0: Updating C | row: 17, col: 11. Value = 430

Matrix THREAD 0: Processing A row 18, B col 11

Matrix THREAD 0: Updating C | row: 18, col: 11. Value = 430

Matrix THREAD 0: Processing A row 19, B col 11

Matrix THREAD 0: Updating C | row: 19, col: 11. Value = 430

Matrix THREAD 0: Processing A row 0, B col 12

Matrix THREAD 0: Updating C | row: 0, col: 12. Value = 450

Matrix THREAD 0: Processing A row 1, B col 12

Matrix THREAD 0: Updating C | row: 1, col: 12. Value = 450

Matrix THREAD 0: Processing A row 2, B col 12

Matrix THREAD 0: Updating C | row: 2, col: 12. Value = 450

Matrix THREAD 0: Processing A row 3, B col 12

Matrix THREAD 0: Updating C | row: 3, col: 12. Value = 450

Matrix THREAD 0: Processing A row 4, B col 12

Matrix THREAD 0: Updating C | row: 4, col: 12. Value = 450

Matrix THREAD 0: Processing A row 5, B col 12

Matrix THREAD 0: Updating C | row: 5, col: 12. Value = 450

Matrix THREAD 0: Processing A row 6, B col 12

Matrix THREAD 0: Updating C | row: 6, col: 12. Value = 450

Matrix THREAD 0: Processing A row 7, B col 12

Matrix THREAD 0: Updating C | row: 7, col: 12. Value = 450

Matrix THREAD 0: Processing A row 8, B col 12

Matrix THREAD 0: Updating C | row: 8, col: 12. Value = 450

Matrix THREAD 0: Processing A row 9, B col 12

Matrix THREAD 0: Updating C | row: 9, col: 12. Value = 450

Matrix THREAD 0: Processing A row 10, B col 12

Matrix THREAD 0: Updating C | row: 10, col: 12. Value = 450

Matrix THREAD 0: Processing A row 11, B col 12

Matrix THREAD 0: Updating C | row: 11, col: 12. Value = 450

Matrix THREAD 0: Processing A row 12, B col 12

Matrix THREAD 0: Updating C | row: 12, col: 12. Value = 450

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 4290

Matrix THREAD 0: Processing A row 13, B col 12

Matrix THREAD 0: Updating C | row: 13, col: 12. Value = 450

Matrix THREAD 0: Processing A row 14, B col 12

Matrix THREAD 0: Updating C | row: 14, col: 12. Value = 450

Matrix THREAD 0: Processing A row 15, B col 12

Matrix THREAD 0: Updating C | row: 15, col: 12. Value = 450

Matrix THREAD 0: Processing A row 16, B col 12

Matrix THREAD 0: Updating C | row: 16, col: 12. Value = 450

Matrix THREAD 0: Processing A row 17, B col 12

Matrix THREAD 0: Updating C | row: 17, col: 12. Value = 450

Matrix THREAD 0: Processing A row 18, B col 12

Matrix THREAD 0: Updating C | row: 18, col: 12. Value = 450

Matrix THREAD 0: Processing A row 19, B col 12

Matrix THREAD 0: Updating C | row: 19, col: 12. Value = 450

Matrix THREAD 0: Processing A row 0, B col 13

Matrix THREAD 0: Updating C | row: 0, col: 13. Value = 470

Matrix THREAD 0: Processing A row 1, B col 13

Matrix THREAD 0: Updating C | row: 1, col: 13. Value = 470

Matrix THREAD 0: Processing A row 2, B col 13

Matrix THREAD 0: Updating C | row: 2, col: 13. Value = 470

Matrix THREAD 0: Processing A row 3, B col 13

Matrix THREAD 0: Updating C | row: 3, col: 13. Value = 470

Matrix THREAD 0: Processing A row 4, B col 13

Matrix THREAD 0: Updating C | row: 4, col: 13. Value = 470

Matrix THREAD 0: Processing A row 5, B col 13

Matrix THREAD 0: Updating C | row: 5, col: 13. Value = 470

Matrix THREAD 0: Processing A row 6, B col 13

Matrix THREAD 0: Updating C | row: 6, col: 13. Value = 470

Matrix THREAD 0: Processing A row 7, B col 13

Matrix THREAD 0: Updating C | row: 7, col: 13. Value = 470

Matrix THREAD 0: Processing A row 8, B col 13

Matrix THREAD 0: Updating C | row: 8, col: 13. Value = 470

Matrix THREAD 0: Processing A row 9, B col 13

Matrix THREAD 0: Updating C | row: 9, col: 13. Value = 470

Matrix THREAD 0: Processing A row 10, B col 13

Matrix THREAD 0: Updating C | row: 10, col: 13. Value = 470

Matrix THREAD 0: Processing A row 11, B col 13

Matrix THREAD 0: Updating C | row: 11, col: 13. Value = 470

Matrix THREAD 0: Processing A row 12, B col 13

Matrix THREAD 0: Updating C | row: 12, col: 13. Value = 470

Matrix THREAD 0: Processing A row 13, B col 13

Matrix THREAD 0: Updating C | row: 13, col: 13. Value = 470

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 4760

Matrix THREAD 0: Processing A row 14, B col 13

Matrix THREAD 0: Updating C | row: 14, col: 13. Value = 470

Matrix THREAD 0: Processing A row 15, B col 13

Matrix THREAD 0: Updating C | row: 15, col: 13. Value = 470

Matrix THREAD 0: Processing A row 16, B col 13

Matrix THREAD 0: Updating C | row: 16, col: 13. Value = 470

Matrix THREAD 0: Processing A row 17, B col 13

Matrix THREAD 0: Updating C | row: 17, col: 13. Value = 470

Matrix THREAD 0: Processing A row 18, B col 13

Matrix THREAD 0: Updating C | row: 18, col: 13. Value = 470

Matrix THREAD 0: Processing A row 19, B col 13

Matrix THREAD 0: Updating C | row: 19, col: 13. Value = 470

Matrix THREAD 0: Processing A row 0, B col 14

Matrix THREAD 0: Updating C | row: 0, col: 14. Value = 490

Matrix THREAD 0: Processing A row 1, B col 14

Matrix THREAD 0: Updating C | row: 1, col: 14. Value = 490

Matrix THREAD 0: Processing A row 2, B col 14

Matrix THREAD 0: Updating C | row: 2, col: 14. Value = 490

Matrix THREAD 0: Processing A row 3, B col 14

Matrix THREAD 0: Updating C | row: 3, col: 14. Value = 490

Matrix THREAD 0: Processing A row 4, B col 14

Matrix THREAD 0: Updating C | row: 4, col: 14. Value = 490

Matrix THREAD 0: Processing A row 5, B col 14

Matrix THREAD 0: Updating C | row: 5, col: 14. Value = 490

Matrix THREAD 0: Processing A row 6, B col 14

Matrix THREAD 0: Updating C | row: 6, col: 14. Value = 490

Matrix THREAD 0: Processing A row 7, B col 14

Matrix THREAD 0: Updating C | row: 7, col: 14. Value = 490

Matrix THREAD 0: Processing A row 8, B col 14

Matrix THREAD 0: Updating C | row: 8, col: 14. Value = 490

Matrix THREAD 0: Processing A row 9, B col 14

Matrix THREAD 0: Updating C | row: 9, col: 14. Value = 490

Matrix THREAD 0: Processing A row 10, B col 14

Matrix THREAD 0: Updating C | row: 10, col: 14. Value = 490

Matrix THREAD 0: Processing A row 11, B col 14

Matrix THREAD 0: Updating C | row: 11, col: 14. Value = 490

Matrix THREAD 0: Processing A row 12, B col 14

Matrix THREAD 0: Updating C | row: 12, col: 14. Value = 490

Matrix THREAD 0: Processing A row 13, B col 14

Matrix THREAD 0: Updating C | row: 13, col: 14. Value = 490

Matrix THREAD 0: Processing A row 14, B col 14

Matrix THREAD 0: Updating C | row: 14, col: 14. Value = 490

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 5250

Matrix THREAD 0: Processing A row 15, B col 14

Matrix THREAD 0: Updating C | row: 15, col: 14. Value = 490

Matrix THREAD 0: Processing A row 16, B col 14

Matrix THREAD 0: Updating C | row: 16, col: 14. Value = 490

Matrix THREAD 0: Processing A row 17, B col 14

Matrix THREAD 0: Updating C | row: 17, col: 14. Value = 490

Matrix THREAD 0: Processing A row 18, B col 14

Matrix THREAD 0: Updating C | row: 18, col: 14. Value = 490

Matrix THREAD 0: Processing A row 19, B col 14

Matrix THREAD 0: Updating C | row: 19, col: 14. Value = 490

Matrix THREAD 0: Processing A row 0, B col 15

Matrix THREAD 0: Updating C | row: 0, col: 15. Value = 510

Matrix THREAD 0: Processing A row 1, B col 15

Matrix THREAD 0: Updating C | row: 1, col: 15. Value = 510

Matrix THREAD 0: Processing A row 2, B col 15

Matrix THREAD 0: Updating C | row: 2, col: 15. Value = 510

Matrix THREAD 0: Processing A row 3, B col 15

Matrix THREAD 0: Updating C | row: 3, col: 15. Value = 510

Matrix THREAD 0: Processing A row 4, B col 15

Matrix THREAD 0: Updating C | row: 4, col: 15. Value = 510

Matrix THREAD 0: Processing A row 5, B col 15

Matrix THREAD 0: Updating C | row: 5, col: 15. Value = 510

Matrix THREAD 0: Processing A row 6, B col 15

Matrix THREAD 0: Updating C | row: 6, col: 15. Value = 510

Matrix THREAD 0: Processing A row 7, B col 15

Matrix THREAD 0: Updating C | row: 7, col: 15. Value = 510

Matrix THREAD 0: Processing A row 8, B col 15

Matrix THREAD 0: Updating C | row: 8, col: 15. Value = 510

Matrix THREAD 0: Processing A row 9, B col 15

Matrix THREAD 0: Updating C | row: 9, col: 15. Value = 510

Matrix THREAD 0: Processing A row 10, B col 15

Matrix THREAD 0: Updating C | row: 10, col: 15. Value = 510

Matrix THREAD 0: Processing A row 11, B col 15

Matrix THREAD 0: Updating C | row: 11, col: 15. Value = 510

Matrix THREAD 0: Processing A row 12, B col 15

Matrix THREAD 0: Updating C | row: 12, col: 15. Value = 510

Matrix THREAD 0: Processing A row 13, B col 15

Matrix THREAD 0: Updating C | row: 13, col: 15. Value = 510

Matrix THREAD 0: Processing A row 14, B col 15

Matrix THREAD 0: Updating C | row: 14, col: 15. Value = 510

Matrix THREAD 0: Processing A row 15, B col 15

Matrix THREAD 0: Updating C | row: 15, col: 15. Value = 510

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 5760

Matrix THREAD 0: Processing A row 16, B col 15

Matrix THREAD 0: Updating C | row: 16, col: 15. Value = 510

Matrix THREAD 0: Processing A row 17, B col 15

Matrix THREAD 0: Updating C | row: 17, col: 15. Value = 510

Matrix THREAD 0: Processing A row 18, B col 15

Matrix THREAD 0: Updating C | row: 18, col: 15. Value = 510

Matrix THREAD 0: Processing A row 19, B col 15

Matrix THREAD 0: Updating C | row: 19, col: 15. Value = 510

Matrix THREAD 0: Processing A row 0, B col 16

Matrix THREAD 0: Updating C | row: 0, col: 16. Value = 530

Matrix THREAD 0: Processing A row 1, B col 16

Matrix THREAD 0: Updating C | row: 1, col: 16. Value = 530

Matrix THREAD 0: Processing A row 2, B col 16

Matrix THREAD 0: Updating C | row: 2, col: 16. Value = 530

Matrix THREAD 0: Processing A row 3, B col 16

Matrix THREAD 0: Updating C | row: 3, col: 16. Value = 530

Matrix THREAD 0: Processing A row 4, B col 16

Matrix THREAD 0: Updating C | row: 4, col: 16. Value = 530

Matrix THREAD 0: Processing A row 5, B col 16

Matrix THREAD 0: Updating C | row: 5, col: 16. Value = 530

Matrix THREAD 0: Processing A row 6, B col 16

Matrix THREAD 0: Updating C | row: 6, col: 16. Value = 530

Matrix THREAD 0: Processing A row 7, B col 16

Matrix THREAD 0: Updating C | row: 7, col: 16. Value = 530

Matrix THREAD 0: Processing A row 8, B col 16

Matrix THREAD 0: Updating C | row: 8, col: 16. Value = 530

Matrix THREAD 0: Processing A row 9, B col 16

Matrix THREAD 0: Updating C | row: 9, col: 16. Value = 530

Matrix THREAD 0: Processing A row 10, B col 16

Matrix THREAD 0: Updating C | row: 10, col: 16. Value = 530

Matrix THREAD 0: Processing A row 11, B col 16

Matrix THREAD 0: Updating C | row: 11, col: 16. Value = 530

Matrix THREAD 0: Processing A row 12, B col 16

Matrix THREAD 0: Updating C | row: 12, col: 16. Value = 530

Matrix THREAD 0: Processing A row 13, B col 16

Matrix THREAD 0: Updating C | row: 13, col: 16. Value = 530

Matrix THREAD 0: Processing A row 14, B col 16

Matrix THREAD 0: Updating C | row: 14, col: 16. Value = 530

Matrix THREAD 0: Processing A row 15, B col 16

Matrix THREAD 0: Updating C | row: 15, col: 16. Value = 530

Matrix THREAD 0: Processing A row 16, B col 16

Matrix THREAD 0: Updating C | row: 16, col: 16. Value = 530

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 6290

Matrix THREAD 0: Processing A row 17, B col 16

Matrix THREAD 0: Updating C | row: 17, col: 16. Value = 530

Matrix THREAD 0: Processing A row 18, B col 16

Matrix THREAD 0: Updating C | row: 18, col: 16. Value = 530

Matrix THREAD 0: Processing A row 19, B col 16

Matrix THREAD 0: Updating C | row: 19, col: 16. Value = 530

Matrix THREAD 0: Processing A row 0, B col 17

Matrix THREAD 0: Updating C | row: 0, col: 17. Value = 550

Matrix THREAD 0: Processing A row 1, B col 17

Matrix THREAD 0: Updating C | row: 1, col: 17. Value = 550

Matrix THREAD 0: Processing A row 2, B col 17

Matrix THREAD 0: Updating C | row: 2, col: 17. Value = 550

Matrix THREAD 0: Processing A row 3, B col 17

Matrix THREAD 0: Updating C | row: 3, col: 17. Value = 550

Matrix THREAD 0: Processing A row 4, B col 17

Matrix THREAD 0: Updating C | row: 4, col: 17. Value = 550

Matrix THREAD 0: Processing A row 5, B col 17

Matrix THREAD 0: Updating C | row: 5, col: 17. Value = 550

Matrix THREAD 0: Processing A row 6, B col 17

Matrix THREAD 0: Updating C | row: 6, col: 17. Value = 550

Matrix THREAD 0: Processing A row 7, B col 17

Matrix THREAD 0: Updating C | row: 7, col: 17. Value = 550

Matrix THREAD 0: Processing A row 8, B col 17

Matrix THREAD 0: Updating C | row: 8, col: 17. Value = 550

Matrix THREAD 0: Processing A row 9, B col 17

Matrix THREAD 0: Updating C | row: 9, col: 17. Value = 550

Matrix THREAD 0: Processing A row 10, B col 17

Matrix THREAD 0: Updating C | row: 10, col: 17. Value = 550

Matrix THREAD 0: Processing A row 11, B col 17

Matrix THREAD 0: Updating C | row: 11, col: 17. Value = 550

Matrix THREAD 0: Processing A row 12, B col 17

Matrix THREAD 0: Updating C | row: 12, col: 17. Value = 550

Matrix THREAD 0: Processing A row 13, B col 17

Matrix THREAD 0: Updating C | row: 13, col: 17. Value = 550

Matrix THREAD 0: Processing A row 14, B col 17

Matrix THREAD 0: Updating C | row: 14, col: 17. Value = 550

Matrix THREAD 0: Processing A row 15, B col 17

Matrix THREAD 0: Updating C | row: 15, col: 17. Value = 550

Matrix THREAD 0: Processing A row 16, B col 17

Matrix THREAD 0: Updating C | row: 16, col: 17. Value = 550

Matrix THREAD 0: Processing A row 17, B col 17

Matrix THREAD 0: Updating C | row: 17, col: 17. Value = 550

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 6840

Matrix THREAD 0: Processing A row 18, B col 17

Matrix THREAD 0: Updating C | row: 18, col: 17. Value = 550

Matrix THREAD 0: Processing A row 19, B col 17

Matrix THREAD 0: Updating C | row: 19, col: 17. Value = 550

Matrix THREAD 0: Processing A row 0, B col 18

Matrix THREAD 0: Updating C | row: 0, col: 18. Value = 570

Matrix THREAD 0: Processing A row 1, B col 18

Matrix THREAD 0: Updating C | row: 1, col: 18. Value = 570

Matrix THREAD 0: Processing A row 2, B col 18

Matrix THREAD 0: Updating C | row: 2, col: 18. Value = 570

Matrix THREAD 0: Processing A row 3, B col 18

Matrix THREAD 0: Updating C | row: 3, col: 18. Value = 570

Matrix THREAD 0: Processing A row 4, B col 18

Matrix THREAD 0: Updating C | row: 4, col: 18. Value = 570

Matrix THREAD 0: Processing A row 5, B col 18

Matrix THREAD 0: Updating C | row: 5, col: 18. Value = 570

Matrix THREAD 0: Processing A row 6, B col 18

Matrix THREAD 0: Updating C | row: 6, col: 18. Value = 570

Matrix THREAD 0: Processing A row 7, B col 18

Matrix THREAD 0: Updating C | row: 7, col: 18. Value = 570

Matrix THREAD 0: Processing A row 8, B col 18

Matrix THREAD 0: Updating C | row: 8, col: 18. Value = 570

Matrix THREAD 0: Processing A row 9, B col 18

Matrix THREAD 0: Updating C | row: 9, col: 18. Value = 570

Matrix THREAD 0: Processing A row 10, B col 18

Matrix THREAD 0: Updating C | row: 10, col: 18. Value = 570

Matrix THREAD 0: Processing A row 11, B col 18

Matrix THREAD 0: Updating C | row: 11, col: 18. Value = 570

Matrix THREAD 0: Processing A row 12, B col 18

Matrix THREAD 0: Updating C | row: 12, col: 18. Value = 570

Matrix THREAD 0: Processing A row 13, B col 18

Matrix THREAD 0: Updating C | row: 13, col: 18. Value = 570

Matrix THREAD 0: Processing A row 14, B col 18

Matrix THREAD 0: Updating C | row: 14, col: 18. Value = 570

Matrix THREAD 0: Processing A row 15, B col 18

Matrix THREAD 0: Updating C | row: 15, col: 18. Value = 570

Matrix THREAD 0: Processing A row 16, B col 18

Matrix THREAD 0: Updating C | row: 16, col: 18. Value = 570

Matrix THREAD 0: Processing A row 17, B col 18

Matrix THREAD 0: Updating C | row: 17, col: 18. Value = 570

Matrix THREAD 0: Processing A row 18, B col 18

Matrix THREAD 0: Updating C | row: 18, col: 18. Value = 570

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 7410

Matrix THREAD 0: Processing A row 19, B col 18

Matrix THREAD 0: Updating C | row: 19, col: 18. Value = 570

Matrix THREAD 0: Processing A row 0, B col 19

Matrix THREAD 0: Updating C | row: 0, col: 19. Value = 590

Matrix THREAD 0: Processing A row 1, B col 19

Matrix THREAD 0: Updating C | row: 1, col: 19. Value = 590

Matrix THREAD 0: Processing A row 2, B col 19

Matrix THREAD 0: Updating C | row: 2, col: 19. Value = 590

Matrix THREAD 0: Processing A row 3, B col 19

Matrix THREAD 0: Updating C | row: 3, col: 19. Value = 590

Matrix THREAD 0: Processing A row 4, B col 19

Matrix THREAD 0: Updating C | row: 4, col: 19. Value = 590

Matrix THREAD 0: Processing A row 5, B col 19

Matrix THREAD 0: Updating C | row: 5, col: 19. Value = 590

Matrix THREAD 0: Processing A row 6, B col 19

Matrix THREAD 0: Updating C | row: 6, col: 19. Value = 590

Matrix THREAD 0: Processing A row 7, B col 19

Matrix THREAD 0: Updating C | row: 7, col: 19. Value = 590

Matrix THREAD 0: Processing A row 8, B col 19

Matrix THREAD 0: Updating C | row: 8, col: 19. Value = 590

Matrix THREAD 0: Processing A row 9, B col 19

Matrix THREAD 0: Updating C | row: 9, col: 19. Value = 590

Matrix THREAD 0: Processing A row 10, B col 19

Matrix THREAD 0: Updating C | row: 10, col: 19. Value = 590

Matrix THREAD 0: Processing A row 11, B col 19

Matrix THREAD 0: Updating C | row: 11, col: 19. Value = 590

Matrix THREAD 0: Processing A row 12, B col 19

Matrix THREAD 0: Updating C | row: 12, col: 19. Value = 590

Matrix THREAD 0: Processing A row 13, B col 19

Matrix THREAD 0: Updating C | row: 13, col: 19. Value = 590

Matrix THREAD 0: Processing A row 14, B col 19

Matrix THREAD 0: Updating C | row: 14, col: 19. Value = 590

Matrix THREAD 0: Processing A row 15, B col 19

Matrix THREAD 0: Updating C | row: 15, col: 19. Value = 590

Matrix THREAD 0: Processing A row 16, B col 19

Matrix THREAD 0: Updating C | row: 16, col: 19. Value = 590

Matrix THREAD 0: Processing A row 17, B col 19

Matrix THREAD 0: Updating C | row: 17, col: 19. Value = 590

Matrix THREAD 0: Processing A row 18, B col 19

Matrix THREAD 0: Updating C | row: 18, col: 19. Value = 590

Matrix THREAD 0: Processing A row 19, B col 19

Matrix THREAD 0: Updating C | row: 19, col: 19. Value = 590

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 8000

Matrix THREAD 0: \*\*\*\*\* COMPLETE \*\*\*\*\*

MAIN THREAD: child 0 has joined

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MAIN THREAD: The resulting matrix C is:

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

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210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

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MAIN THREAD: Diagonal sum is: 8000

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Thu Oct 24 18:04:39 CDT 2024

cslinux2.utdallas.edu

txn200004 pts/8 2024-10-24 17:53 (10.50.240.134)

UID PID PPID C STIME TTY TIME CMD

root 1 0 0 Sep24 ? 00:28:28 /usr/lib/systemd/systemd --switched-root --system --deserialize 22

root 2 0 0 Sep24 ? 00:00:11 [kthreadd]

root 4 2 0 Sep24 ? 00:00:00 [kworker/0:0H]

root 6 2 0 Sep24 ? 00:11:36 [ksoftirqd/0]

root 7 2 0 Sep24 ? 00:00:57 [migration/0]

root 8 2 0 Sep24 ? 00:00:00 [rcu\_bh]

root 9 2 0 Sep24 ? 03:38:26 [rcu\_sched]

root 10 2 0 Sep24 ? 00:00:00 [lru-add-drain]

root 11 2 0 Sep24 ? 00:02:31 [watchdog/0]

root 12 2 0 Sep24 ? 00:02:12 [watchdog/1]

root 13 2 0 Sep24 ? 00:00:30 [migration/1]

root 14 2 0 Sep24 ? 00:03:46 [ksoftirqd/1]

root 16 2 0 Sep24 ? 00:00:00 [kworker/1:0H]

root 18 2 0 Sep24 ? 00:02:27 [watchdog/2]

root 19 2 0 Sep24 ? 00:01:22 [migration/2]

root 20 2 0 Sep24 ? 00:02:21 [ksoftirqd/2]

root 22 2 0 Sep24 ? 00:00:00 [kworker/2:0H]

root 24 2 0 Sep24 ? 00:02:12 [watchdog/3]

root 25 2 0 Sep24 ? 00:00:42 [migration/3]

root 26 2 0 Sep24 ? 00:00:12 [ksoftirqd/3]

root 28 2 0 Sep24 ? 00:00:00 [kworker/3:0H]

root 29 2 0 Sep24 ? 00:02:29 [watchdog/4]

root 30 2 0 Sep24 ? 00:00:57 [migration/4]

root 31 2 0 Sep24 ? 00:01:37 [ksoftirqd/4]

root 33 2 0 Sep24 ? 00:00:00 [kworker/4:0H]

root 34 2 0 Sep24 ? 00:02:07 [watchdog/5]

root 35 2 0 Sep24 ? 00:00:19 [migration/5]

root 36 2 0 Sep24 ? 00:00:10 [ksoftirqd/5]

root 38 2 0 Sep24 ? 00:00:00 [kworker/5:0H]

root 39 2 0 Sep24 ? 00:02:32 [watchdog/6]

root 40 2 0 Sep24 ? 00:00:48 [migration/6]

root 41 2 0 Sep24 ? 00:01:12 [ksoftirqd/6]

root 44 2 0 Sep24 ? 00:02:09 [watchdog/7]

root 45 2 0 Sep24 ? 00:00:16 [migration/7]

root 46 2 0 Sep24 ? 00:00:47 [ksoftirqd/7]

root 48 2 0 Sep24 ? 00:00:00 [kworker/7:0H]

root 49 2 0 Sep24 ? 00:02:30 [watchdog/8]

root 50 2 0 Sep24 ? 00:00:44 [migration/8]

root 51 2 0 Sep24 ? 00:01:02 [ksoftirqd/8]

root 54 2 0 Sep24 ? 00:02:11 [watchdog/9]

root 55 2 0 Sep24 ? 00:00:16 [migration/9]

root 56 2 0 Sep24 ? 00:00:11 [ksoftirqd/9]

root 58 2 0 Sep24 ? 00:00:00 [kworker/9:0H]

root 59 2 0 Sep24 ? 00:02:30 [watchdog/10]

root 60 2 0 Sep24 ? 00:00:44 [migration/10]

root 61 2 0 Sep24 ? 00:01:12 [ksoftirqd/10]

root 64 2 0 Sep24 ? 00:02:08 [watchdog/11]

root 65 2 0 Sep24 ? 00:00:15 [migration/11]

root 66 2 0 Sep24 ? 00:00:12 [ksoftirqd/11]

root 68 2 0 Sep24 ? 00:00:00 [kworker/11:0H]

root 69 2 0 Sep24 ? 00:02:30 [watchdog/12]

root 70 2 0 Sep24 ? 00:00:40 [migration/12]

root 71 2 0 Sep24 ? 00:01:11 [ksoftirqd/12]

root 74 2 0 Sep24 ? 00:02:09 [watchdog/13]

root 75 2 0 Sep24 ? 00:00:14 [migration/13]

root 76 2 0 Sep24 ? 00:00:11 [ksoftirqd/13]

root 78 2 0 Sep24 ? 00:00:00 [kworker/13:0H]

root 79 2 0 Sep24 ? 00:02:29 [watchdog/14]

root 80 2 0 Sep24 ? 00:00:43 [migration/14]

root 81 2 0 Sep24 ? 00:01:14 [ksoftirqd/14]

root 83 2 0 Sep24 ? 00:04:30 [kworker/14:0H]

root 84 2 0 Sep24 ? 00:02:06 [watchdog/15]

root 85 2 0 Sep24 ? 00:00:13 [migration/15]

root 86 2 0 Sep24 ? 00:00:11 [ksoftirqd/15]

root 88 2 0 Sep24 ? 00:00:00 [kworker/15:0H]

root 91 2 0 Sep24 ? 00:00:00 [kdevtmpfs]

root 92 2 0 Sep24 ? 00:00:00 [netns]

root 93 2 0 Sep24 ? 00:00:29 [khungtaskd]

root 94 2 0 Sep24 ? 00:00:00 [writeback]

root 95 2 0 Sep24 ? 00:00:00 [kintegrityd]

root 96 2 0 Sep24 ? 00:00:00 [bioset]

root 97 2 0 Sep24 ? 00:00:00 [bioset]

root 98 2 0 Sep24 ? 00:00:00 [bioset]

root 99 2 0 Sep24 ? 00:00:00 [kblockd]

root 101 2 0 Sep24 ? 00:00:00 [md]

root 102 2 0 Sep24 ? 00:00:00 [edac-poller]

root 103 2 0 Sep24 ? 00:00:00 [watchdogd]

root 109 2 0 Sep24 ? 00:00:00 [kswapd0]

root 110 2 0 Sep24 ? 00:00:00 [kswapd1]

root 111 2 0 Sep24 ? 00:00:00 [ksmd]

root 112 2 0 Sep24 ? 00:04:30 [khugepaged]

root 113 2 0 Sep24 ? 00:00:00 [crypto]

root 121 2 0 Sep24 ? 00:00:00 [kthrotld]

root 124 2 0 Sep24 ? 00:00:00 [kmpath\_rdacd]

root 125 2 0 Sep24 ? 00:00:00 [kaluad]

root 136 2 0 Sep24 ? 00:00:00 [kpsmoused]

root 137 2 0 Sep24 ? 00:00:00 [ipv6\_addrconf]

root 150 2 0 Sep24 ? 00:00:00 [deferwq]

root 206 2 0 Sep24 ? 00:00:21 [kauditd]

root 340 2 0 Sep24 ? 00:00:00 [scsi\_eh\_0]

root 356 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_0]

root 363 2 0 Sep24 ? 00:00:00 [ata\_sff]

root 367 2 0 Sep24 ? 00:00:00 [ixgbe]

root 370 2 0 Sep24 ? 00:00:00 [scsi\_eh\_1]

root 371 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_1]

root 372 2 0 Sep24 ? 00:00:00 [scsi\_eh\_2]

root 373 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_2]

root 374 2 0 Sep24 ? 00:00:00 [scsi\_eh\_3]

root 375 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_3]

root 376 2 0 Sep24 ? 00:00:00 [scsi\_eh\_4]

root 377 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_4]

root 378 2 0 Sep24 ? 00:00:00 [scsi\_eh\_5]

root 379 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_5]

root 380 2 0 Sep24 ? 00:00:00 [scsi\_eh\_6]

root 381 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_6]

root 387 2 0 Sep24 ? 00:00:00 [poll\_megasas0\_s]

root 390 2 0 Sep24 ? 00:00:00 [ttm\_swap]

root 435 2 0 Sep24 ? 00:12:33 [jbd2/sda3-8]

root 436 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 520 1 0 Sep24 ? 00:08:21 /usr/lib/systemd/systemd-journald

root 531 2 0 Sep24 ? 00:00:00 [rpciod]

root 532 2 0 Sep24 ? 00:00:00 [xprtiod]

root 540 1 0 Sep24 ? 00:00:00 /usr/sbin/lvmetad -f

root 561 1 0 Sep24 ? 00:00:02 /usr/lib/systemd/systemd-udevd

root 668 2 0 Oct09 ? 00:00:00 [kworker/14:2H]

root 1734 2 0 Sep24 ? 00:00:00 [kvm-irqfd-clean]

root 1847 2 0 07:10 ? 00:00:15 [kworker/5:2]

root 1942 2 0 Sep24 ? 00:00:00 [jbd2/sda2-8]

root 1943 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1948 2 0 Sep24 ? 00:00:00 [jbd2/sda1-8]

root 1949 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1955 2 0 Sep24 ? 00:05:15 [jbd2/sda5-8]

root 1956 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1978 2 0 Sep24 ? 00:00:08 [kworker/3:1H]

root 1979 2 0 Sep24 ? 00:00:10 [kworker/7:1H]

root 1983 1 0 Sep24 ? 00:01:38 /sbin/auditd

root 1986 1983 0 Sep24 ? 00:02:17 /sbin/audispd

root 1988 1986 0 Sep24 ? 00:01:02 /usr/sbin/sedispatch

libstor+ 2008 1 0 Sep24 ? 00:01:46 /usr/bin/lsmd -d

root 2010 1 0 Sep24 ? 00:01:30 /usr/sbin/sssd -i --logger=files

dbus 2014 1 0 Sep24 ? 00:15:36 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation

chrony 2026 1 0 Sep24 ? 00:00:33 /usr/sbin/chronyd

polkitd 2038 1 0 Sep24 ? 00:04:39 /usr/lib/polkit-1/polkitd --no-debug

root 2053 1 0 Sep24 ? 00:06:44 /opt/dell/srvadmin/sbin/dsm\_sa\_eventmgrd

rtkit 2067 1 0 Sep24 ? 00:05:52 /usr/libexec/rtkit-daemon

root 2069 1 0 Sep24 ? 00:00:45 /usr/sbin/gssproxy -D

root 2071 1 0 Sep24 ? 01:39:05 /usr/sbin/irqbalance --foreground

root 2087 1 0 Sep24 ? 00:39:02 /sbin/rngd -f

root 2098 1 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2099 2098 1 Sep24 ? 12:39:56 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2105 1 0 Sep24 ? 00:00:00 /usr/sbin/acpid

root 2131 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.gssd

root 2135 1 0 Sep24 ? 00:27:13 /bin/bash /usr/sbin/ksmtuned

root 2211 1 0 Sep24 ? 05:04:53 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

root 2230 2010 0 Sep24 ? 06:29:51 /usr/libexec/sssd/sssd\_be --domain ipa.utdallas.edu --uid 0 --gid 0 --logger=files

root 2439 2010 0 Sep24 ? 01:20:53 /usr/libexec/sssd/sssd\_nss --uid 0 --gid 0 --logger=files

root 2440 2010 0 Sep24 ? 00:17:37 /usr/libexec/sssd/sssd\_pam --uid 0 --gid 0 --logger=files

root 2442 2010 0 Sep24 ? 00:05:11 /usr/libexec/sssd/sssd\_pac --uid 0 --gid 0 --logger=files

root 2443 2010 0 Sep24 ? 00:04:13 /usr/libexec/sssd/sssd\_sudo --uid 0 --gid 0 --logger=files

root 2444 2010 0 Sep24 ? 00:08:14 /usr/libexec/sssd/sssd\_ssh --uid 0 --gid 0 --logger=files

root 2445 2010 0 Sep24 ? 00:04:22 /usr/libexec/sssd/sssd\_autofs --uid 0 --gid 0 --logger=files

root 2465 1 0 Sep24 ? 00:06:07 /usr/lib/systemd/systemd-logind

root 2466 1 0 Sep24 ? 00:09:59 /usr/libexec/accounts-daemon

root 2518 2 0 Sep24 ? 00:00:08 [kworker/1:1H]

root 2566 1 0 Sep24 ? 01:02:25 /usr/sbin/lldpad -t

root 2567 1 0 Sep24 ? 00:42:05 /usr/bin/python2 -Es /usr/sbin/tuned -l -P

root 2569 1 0 Sep24 ? 00:00:38 /usr/sbin/sshd -D

root 2572 1 0 Sep24 ? 00:00:00 /usr/sbin/cupsd -f

root 2573 1 0 Sep24 ? 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid

telegraf 2588 1 8 Sep24 ? 2-15:35:09 /usr/bin/telegraf -config /etc/telegraf/telegraf.conf -config-directory /etc/telegraf/telegra

root 2594 1 0 Sep24 ? 00:23:46 /usr/sbin/rsyslogd -n

root 2595 2 0 Sep24 ? 00:00:10 [kworker/11:1H]

root 2613 1 0 Sep24 ? 00:01:20 /usr/sbin/lightdm

root 2615 1 0 Sep24 ? 00:01:40 /usr/sbin/crond -n

root 2618 1 0 Sep24 ? 00:00:00 /usr/sbin/atd -f

root 2649 2613 0 Sep24 tty1 00:00:00 /usr/bin/X -background none :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt1 -no

root 2662 2 0 Sep24 ? 00:00:10 [kworker/15:1H]

root 2663 2 0 Sep24 ? 00:00:09 [kworker/5:1H]

root 2664 2 0 Sep24 ? 00:00:10 [kworker/9:1H]

root 2665 2 0 Sep24 ? 00:00:10 [kworker/13:1H]

root 2719 1 0 Sep24 ? 00:46:14 /opt/dell/srvadmin/iSM/sbin/dsm\_ism\_srvmgrd

root 2893 2613 0 Sep24 ? 00:00:00 lightdm --session-child 18 21

lightdm 2972 2893 0 Sep24 ? 00:40:40 /usr/sbin/lightdm-gtk-greeter

root 2982 2211 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

telegraf 3011 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 4 --print-address 6 --session

lightdm 3012 1 0 Sep24 ? 00:00:00 /usr/libexec/at-spi-bus-launcher --launch-immediately

lightdm 3018 1 0 Sep24 ? 00:00:00 dbus-launch --autolaunch=8d19eba0aff440b1a473f9adbfe0aead --binary-syntax --close-stderr

lightdm 3019 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 5 --print-address 7 --session

lightdm 3022 3012 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --config-file=/usr/share/defaults/at-spi2/accessibility.conf --nofork --pr

root 3036 2613 0 Sep24 ? 00:00:00 lightdm --session-child 14 21

colord 3110 1 0 Sep24 ? 00:00:00 /usr/libexec/colord

root 3246 2569 0 Oct19 ? 00:00:00 sshd: sxb027100 [priv]

sxb0271+ 3253 3246 0 Oct19 ? 00:33:05 sshd: sxb027100@pts/1

sxb0271+ 3254 3253 0 Oct19 pts/1 00:00:01 -bash

root 3305 1 7 Sep24 ? 2-10:16:50 /usr/sbin/snmpd -LS0-6d -f

sxb0271+ 3341 3254 0 Oct19 pts/1 00:24:43 ssh enigma

sxb0271+ 3342 3341 0 Oct19 pts/1 00:14:08 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 3686 2569 0 Oct21 ? 00:00:02 sshd: sxb027100 [priv]

sxb0271+ 3704 3686 0 Oct21 ? 00:14:17 sshd: sxb027100@pts/2

sxb0271+ 3705 3704 0 Oct21 pts/2 00:00:00 -bash

rpc 3833 1 0 Sep24 ? 00:01:14 /sbin/rpcbind -w

rpcuser 3839 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.statd

root 4010 2 0 Sep24 ? 00:00:00 [nfsiod]

root 4023 2 0 Sep24 ? 00:00:00 [nfsv4.1-svc]

root 4888 1 0 Sep24 ? 00:13:33 /usr/libexec/packagekitd

sxb0271+ 8482 3705 0 Oct21 pts/2 00:10:14 ssh enigma

sxb0271+ 8483 8482 0 Oct21 pts/2 00:05:43 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 11027 2 0 Oct23 ? 00:00:08 [kworker/10:2]

root 11319 2 0 Oct23 ? 00:00:02 [kworker/11:0]

root 12273 2 0 Oct23 ? 00:00:02 [kworker/15:1]

root 12626 2 0 Oct22 ? 00:00:27 [kworker/6:1]

root 12983 2 0 Oct23 ? 00:00:07 [kworker/4:0]

root 13168 2 0 Oct23 ? 00:00:07 [kworker/1:0]

root 13375 2 0 Oct23 ? 00:00:06 [kworker/14:1]

root 13977 2 0 Oct23 ? 00:00:06 [kworker/12:1]

root 14555 2 0 Sep24 ? 00:00:00 [lockd]

root 15904 2 0 10:52 ? 00:00:01 [kworker/8:1]

root 19552 2 0 11:49 ? 00:00:02 [kworker/2:2]

root 23303 2 0 Sep25 ? 00:01:00 [kworker/8:2H]

root 23322 2 0 Sep25 ? 00:00:02 [kworker/12:2H]

root 23323 2 0 Sep25 ? 00:06:12 [kworker/10:2H]

root 23361 2 0 Sep25 ? 00:00:00 [kworker/6:2H]

root 23448 2 0 Sep25 ? 00:00:00 [kworker/10:0H]

root 23534 2 0 Sep25 ? 00:06:46 [kworker/4:1H]

root 23557 2 0 Sep25 ? 00:07:04 [kworker/0:1H]

root 26219 2 0 00:40 ? 00:00:01 [kworker/13:0]

root 28661 2 0 Oct03 ? 00:04:28 [kworker/12:0H]

root 29721 1 0 Sep24 ? 00:49:11 /usr/sbin/automount --systemd-service --dont-check-daemon

root 30479 2 0 Oct12 ? 00:00:00 [nfsv4.0-svc]

root 30836 2 0 14:42 ? 00:00:01 [kworker/7:1]

root 32124 2 0 Oct23 ? 00:00:16 [kworker/3:0]

root 32125 2 0 Oct23 ? 00:00:04 [kworker/9:2]

root 32678 2 0 15:10 ? 00:00:00 [kworker/5:0]

root 36467 2 0 16:09 ? 00:00:00 [kworker/2:0]

root 37042 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

root 37063 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

tdb2000+ 37065 37042 0 16:17 ? 00:00:01 sshd: tdb200000@pts/4

tdb2000+ 37066 37065 0 16:17 pts/4 00:00:01 -bash

tdb2000+ 37081 37063 0 16:17 ? 00:00:00 sshd: tdb200000@notty

tdb2000+ 37082 37081 0 16:17 ? 00:00:00 /usr/libexec/openssh/sftp-server

tdb2000+ 37238 37066 0 16:18 pts/4 00:00:00 vim index.html

root 38992 2 0 16:44 ? 00:00:00 [kworker/u98:0]

root 39285 2 0 16:49 ? 00:00:01 [kworker/0:0]

root 40939 2 0 17:14 ? 00:00:00 [kworker/10:1]

root 41249 2569 0 17:17 ? 00:00:00 sshd: cdc230001 [priv]

root 41328 2569 0 17:18 ? 00:00:00 sshd: cdc230001 [priv]

cdc2300+ 41330 41249 0 17:18 ? 00:00:03 sshd: cdc230001@pts/3

cdc2300+ 41331 41330 0 17:18 pts/3 00:00:00 -bash

root 41390 2 0 17:18 ? 00:00:00 [kworker/8:2]

cdc2300+ 41419 41328 0 17:18 ? 00:00:00 sshd: cdc230001@notty

cdc2300+ 41420 41419 0 17:18 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 41492 2 0 Oct23 ? 00:00:00 [kworker/15:2]

root 41606 2 0 17:19 ? 00:00:00 [kworker/13:1]

root 41723 2569 0 17:20 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41768 41723 0 17:21 ? 00:00:00 sshd: jxn200027@pts/5

root 41769 2569 0 17:21 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41781 41768 0 17:21 pts/5 00:00:00 -bash

root 41885 2 0 17:21 ? 00:00:00 [kworker/7:2]

jxn2000+ 41895 41769 0 17:21 ? 00:00:00 sshd: jxn200027@notty

jxn2000+ 41896 41895 0 17:21 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42103 2569 0 17:23 ? 00:00:00 sshd: kag210003 [priv]

kag2100+ 42124 42103 0 17:23 ? 00:00:00 sshd: kag210003@pts/6

kag2100+ 42125 42124 0 17:23 pts/6 00:00:00 -bash

root 42162 2 0 17:23 ? 00:00:00 [kworker/11:2]

root 42500 2569 0 17:26 ? 00:00:00 sshd: afb170130 [priv]

root 42535 2569 0 17:27 ? 00:00:00 sshd: afb170130 [priv]

afb1701+ 42537 42500 0 17:27 ? 00:00:00 sshd: afb170130@pts/0

afb1701+ 42538 42537 0 17:27 pts/0 00:00:00 -bash

root 42543 2 0 17:27 ? 00:00:00 [kworker/3:2]

root 42565 2 0 17:27 ? 00:00:00 [kworker/14:2]

afb1701+ 42636 42535 0 17:27 ? 00:00:00 sshd: afb170130@notty

afb1701+ 42637 42636 0 17:27 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42745 2569 0 17:29 ? 00:00:00 sshd: asr190005 [priv]

asr1900+ 42765 42745 0 17:29 ? 00:00:00 sshd: asr190005@pts/7

asr1900+ 42766 42765 0 17:29 pts/7 00:00:00 -bash

root 43294 2 0 17:36 ? 00:00:00 [kworker/9:0]

root 43394 2 0 Oct22 ? 00:00:00 [kworker/8:1H]

root 44239 2569 0 17:50 ? 00:00:00 sshd: ecw240001 [priv]

ecw2400+ 44278 44239 0 17:50 ? 00:00:00 sshd: ecw240001@pts/9

ecw2400+ 44279 44278 0 17:50 pts/9 00:00:00 -bash

root 44362 2 0 17:50 ? 00:00:00 [kworker/1:1]

root 44454 2 0 17:51 ? 00:00:00 [kworker/12:2]

root 44542 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44564 44542 0 17:53 ? 00:00:01 sshd: txn200004@pts/8

root 44565 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44567 44564 0 17:53 pts/8 00:00:01 -bash

txn2000+ 44661 44565 0 17:53 ? 00:00:00 sshd: txn200004@notty

txn2000+ 44662 44661 0 17:53 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 44675 2 0 17:53 ? 00:00:00 [kworker/u96:0]

root 44767 2 0 Oct23 ? 00:00:27 [kworker/2:1H]

root 44770 2 0 17:55 ? 00:00:00 [kworker/0:2]

root 44856 2 0 Oct23 ? 00:00:01 [kworker/u97:3]

root 44909 2 0 17:57 ? 00:00:00 [kworker/6:0]

root 44955 2 0 17:57 ? 00:00:00 [kworker/4:1]

root 45022 2 0 17:58 ? 00:00:00 [kworker/u97:0]

root 45023 2 0 17:58 ? 00:00:00 [kworker/u98:2]

root 45085 2 0 17:59 ? 00:00:00 [kworker/u96:2]

root 45466 2135 0 18:03 ? 00:00:00 sleep 60

root 45504 2 0 18:04 ? 00:00:00 [kworker/3:1]

txn2000+ 45523 44567 0 18:04 pts/8 00:00:00 ./matrix 20 1

txn2000+ 45525 45523 0 18:04 pts/8 00:00:00 sh -c date; hostname; who | grep txn200004 ; ps -eaf; ls -l

txn2000+ 45530 45525 0 18:04 pts/8 00:00:00 ps -eaf

root 45941 2 0 Oct23 ? 00:00:17 [kworker/6:0H]

total 96

-rwx--x--x 1 txn200004 se 13520 Oct 24 18:00 matrix

-rw------- 1 txn200004 se 5404 Oct 24 17:57 matrix0.c

-rw------- 1 txn200004 se 6753 Oct 24 17:59 matrix.c

-rw------- 1 txn200004 se 564 Oct 24 18:04 week10who.txt

{cslinux2:~/week10Lab2} ./matrix 20 5

MAIN THREAD: The Matrix A is:

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

MAIN THREAD: The Matrix B is:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

+++++ THREAD 0 created, processing columns 0 to 3 +++++

Matrix THREAD 0: Processing A row 0, B col 0

Matrix THREAD 0: Updating C | row: 0, col: 0. Value = 210

+++++ THREAD 1 created, processing columns 4 to 7 +++++

Matrix THREAD 1: Processing A row 0, B col 4

+++++ THREAD 3 created, processing columns 12 to 15 +++++

+++++ THREAD 4 created, processing columns 16 to 19 +++++

Matrix THREAD 4: Processing A row 0, B col 16

Matrix THREAD 1: Updating C | row: 0, col: 4. Value = 290

Matrix THREAD 1: Processing A row 1, B col 4

Matrix THREAD 1: Updating C | row: 1, col: 4. Value = 290

Matrix THREAD 1: Processing A row 2, B col 4

Matrix THREAD 3: Processing A row 0, B col 12

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Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 210

Matrix THREAD 0: Processing A row 1, B col 0

+++++ THREAD 2 created, processing columns 8 to 11 +++++

Matrix THREAD 2: Processing A row 0, B col 8

Matrix THREAD 4: Updating C | row: 0, col: 16. Value = 530

Matrix THREAD 4: Processing A row 1, B col 16

Matrix THREAD 4: Updating C | row: 1, col: 16. Value = 530

Matrix THREAD 4: Processing A row 2, B col 16

Matrix THREAD 1: Updating C | row: 2, col: 4. Value = 290

Matrix THREAD 1: Processing A row 3, B col 4

Matrix THREAD 1: Updating C | row: 3, col: 4. Value = 290

Matrix THREAD 1: Processing A row 4, B col 4

Matrix THREAD 3: Updating C | row: 0, col: 12. Value = 450

Matrix THREAD 3: Processing A row 1, B col 12

Matrix THREAD 3: Updating C | row: 1, col: 12. Value = 450

Matrix THREAD 3: Processing A row 2, B col 12

Matrix THREAD 3: Updating C | row: 2, col: 12. Value = 450

Matrix THREAD 3: Processing A row 3, B col 12

Matrix THREAD 0: Updating C | row: 1, col: 0. Value = 210

Matrix THREAD 0: Processing A row 2, B col 0

Matrix THREAD 2: Updating C | row: 0, col: 8. Value = 370

Matrix THREAD 2: Processing A row 1, B col 8

Matrix THREAD 2: Updating C | row: 1, col: 8. Value = 370

Matrix THREAD 2: Processing A row 2, B col 8

Matrix THREAD 4: Updating C | row: 2, col: 16. Value = 530

Matrix THREAD 4: Processing A row 3, B col 16

Matrix THREAD 4: Updating C | row: 3, col: 16. Value = 530

Matrix THREAD 4: Processing A row 4, B col 16

Matrix THREAD 1: Updating C | row: 4, col: 4. Value = 290

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 500

Matrix THREAD 1: Processing A row 5, B col 4

Matrix THREAD 1: Updating C | row: 5, col: 4. Value = 290

Matrix THREAD 1: Processing A row 6, B col 4

Matrix THREAD 1: Updating C | row: 6, col: 4. Value = 290

Matrix THREAD 1: Processing A row 7, B col 4

Matrix THREAD 0: Updating C | row: 2, col: 0. Value = 210

Matrix THREAD 0: Processing A row 3, B col 0

Matrix THREAD 2: Updating C | row: 2, col: 8. Value = 370

Matrix THREAD 2: Processing A row 3, B col 8

Matrix THREAD 2: Updating C | row: 3, col: 8. Value = 370

Matrix THREAD 2: Processing A row 4, B col 8

Matrix THREAD 2: Updating C | row: 4, col: 8. Value = 370

Matrix THREAD 2: Processing A row 5, B col 8

Matrix THREAD 4: Updating C | row: 4, col: 16. Value = 530

Matrix THREAD 4: Processing A row 5, B col 16

Matrix THREAD 4: Updating C | row: 5, col: 16. Value = 530

Matrix THREAD 4: Processing A row 6, B col 16

Matrix THREAD 3: Updating C | row: 3, col: 12. Value = 450

Matrix THREAD 3: Processing A row 4, B col 12

Matrix THREAD 3: Updating C | row: 4, col: 12. Value = 450

Matrix THREAD 3: Processing A row 5, B col 12

Matrix THREAD 3: Updating C | row: 5, col: 12. Value = 450

Matrix THREAD 3: Processing A row 6, B col 12

Matrix THREAD 3: Updating C | row: 6, col: 12. Value = 450

Matrix THREAD 3: Processing A row 7, B col 12

Matrix THREAD 1: Updating C | row: 7, col: 4. Value = 290

Matrix THREAD 1: Processing A row 8, B col 4

Matrix THREAD 1: Updating C | row: 8, col: 4. Value = 290

Matrix THREAD 1: Processing A row 9, B col 4

Matrix THREAD 0: Updating C | row: 3, col: 0. Value = 210

Matrix THREAD 0: Processing A row 4, B col 0

Matrix THREAD 2: Updating C | row: 5, col: 8. Value = 370

Matrix THREAD 2: Processing A row 6, B col 8

Matrix THREAD 2: Updating C | row: 6, col: 8. Value = 370

Matrix THREAD 2: Processing A row 7, B col 8

Matrix THREAD 2: Updating C | row: 7, col: 8. Value = 370

Matrix THREAD 2: Processing A row 8, B col 8

Matrix THREAD 4: Updating C | row: 6, col: 16. Value = 530

Matrix THREAD 4: Processing A row 7, B col 16

Matrix THREAD 4: Updating C | row: 7, col: 16. Value = 530

Matrix THREAD 4: Processing A row 8, B col 16

Matrix THREAD 4: Updating C | row: 8, col: 16. Value = 530

Matrix THREAD 4: Processing A row 9, B col 16

Matrix THREAD 1: Updating C | row: 9, col: 4. Value = 290

Matrix THREAD 1: Processing A row 10, B col 4

Matrix THREAD 1: Updating C | row: 10, col: 4. Value = 290

Matrix THREAD 1: Processing A row 11, B col 4

Matrix THREAD 1: Updating C | row: 11, col: 4. Value = 290

Matrix THREAD 1: Processing A row 12, B col 4

Matrix THREAD 2: Updating C | row: 8, col: 8. Value = 370

Matrix THREAD 2: Adding diagonal sum. Diagonal sum = 870

Matrix THREAD 2: Processing A row 9, B col 8

Matrix THREAD 2: Updating C | row: 9, col: 8. Value = 370

Matrix THREAD 3: Updating C | row: 7, col: 12. Value = 450

Matrix THREAD 3: Processing A row 8, B col 12

Matrix THREAD 3: Updating C | row: 8, col: 12. Value = 450

Matrix THREAD 3: Processing A row 9, B col 12

Matrix THREAD 3: Updating C | row: 9, col: 12. Value = 450

Matrix THREAD 3: Processing A row 10, B col 12

Matrix THREAD 3: Updating C | row: 10, col: 12. Value = 450

Matrix THREAD 3: Processing A row 11, B col 12

Matrix THREAD 3: Updating C | row: 11, col: 12. Value = 450

Matrix THREAD 3: Processing A row 12, B col 12

Matrix THREAD 3: Updating C | row: 12, col: 12. Value = 450

Matrix THREAD 2: Processing A row 10, B col 8

Matrix THREAD 3: Adding diagonal sum. Diagonal sum = 1320

Matrix THREAD 3: Processing A row 13, B col 12

Matrix THREAD 1: Updating C | row: 12, col: 4. Value = 290

Matrix THREAD 1: Processing A row 13, B col 4

Matrix THREAD 4: Updating C | row: 9, col: 16. Value = 530

Matrix THREAD 4: Processing A row 10, B col 16

Matrix THREAD 2: Updating C | row: 10, col: 8. Value = 370

Matrix THREAD 2: Processing A row 11, B col 8

Matrix THREAD 4: Updating C | row: 10, col: 16. Value = 530

Matrix THREAD 4: Processing A row 11, B col 16

Matrix THREAD 0: Updating C | row: 4, col: 0. Value = 210

Matrix THREAD 0: Processing A row 5, B col 0

Matrix THREAD 1: Updating C | row: 13, col: 4. Value = 290

Matrix THREAD 1: Processing A row 14, B col 4

Matrix THREAD 2: Updating C | row: 11, col: 8. Value = 370

Matrix THREAD 2: Processing A row 12, B col 8

Matrix THREAD 2: Updating C | row: 12, col: 8. Value = 370

Matrix THREAD 2: Processing A row 13, B col 8

Matrix THREAD 2: Updating C | row: 13, col: 8. Value = 370

Matrix THREAD 2: Processing A row 14, B col 8

Matrix THREAD 3: Updating C | row: 13, col: 12. Value = 450

Matrix THREAD 3: Processing A row 14, B col 12

Matrix THREAD 3: Updating C | row: 14, col: 12. Value = 450

Matrix THREAD 3: Processing A row 15, B col 12

Matrix THREAD 3: Updating C | row: 15, col: 12. Value = 450

Matrix THREAD 3: Processing A row 16, B col 12

Matrix THREAD 3: Updating C | row: 16, col: 12. Value = 450

Matrix THREAD 3: Processing A row 17, B col 12

Matrix THREAD 3: Updating C | row: 17, col: 12. Value = 450

Matrix THREAD 3: Processing A row 18, B col 12

Matrix THREAD 3: Updating C | row: 18, col: 12. Value = 450

Matrix THREAD 3: Processing A row 19, B col 12

Matrix THREAD 3: Updating C | row: 19, col: 12. Value = 450

Matrix THREAD 3: Processing A row 0, B col 13

Matrix THREAD 3: Updating C | row: 0, col: 13. Value = 470

Matrix THREAD 3: Processing A row 1, B col 13

Matrix THREAD 3: Updating C | row: 1, col: 13. Value = 470

Matrix THREAD 3: Processing A row 2, B col 13

Matrix THREAD 3: Updating C | row: 2, col: 13. Value = 470

Matrix THREAD 3: Processing A row 3, B col 13

Matrix THREAD 3: Updating C | row: 3, col: 13. Value = 470

Matrix THREAD 3: Processing A row 4, B col 13

Matrix THREAD 3: Updating C | row: 4, col: 13. Value = 470

Matrix THREAD 3: Processing A row 5, B col 13

Matrix THREAD 3: Updating C | row: 5, col: 13. Value = 470

Matrix THREAD 3: Processing A row 6, B col 13

Matrix THREAD 4: Updating C | row: 11, col: 16. Value = 530

Matrix THREAD 4: Processing A row 12, B col 16

Matrix THREAD 0: Updating C | row: 5, col: 0. Value = 210

Matrix THREAD 0: Processing A row 6, B col 0

Matrix THREAD 1: Updating C | row: 14, col: 4. Value = 290

Matrix THREAD 2: Updating C | row: 14, col: 8. Value = 370

Matrix THREAD 2: Processing A row 15, B col 8

Matrix THREAD 2: Updating C | row: 15, col: 8. Value = 370

Matrix THREAD 2: Processing A row 16, B col 8

Matrix THREAD 2: Updating C | row: 16, col: 8. Value = 370

Matrix THREAD 2: Processing A row 17, B col 8

Matrix THREAD 2: Updating C | row: 17, col: 8. Value = 370

Matrix THREAD 2: Processing A row 18, B col 8

Matrix THREAD 2: Updating C | row: 18, col: 8. Value = 370

Matrix THREAD 2: Processing A row 19, B col 8

Matrix THREAD 2: Updating C | row: 19, col: 8. Value = 370

Matrix THREAD 2: Processing A row 0, B col 9

Matrix THREAD 2: Updating C | row: 0, col: 9. Value = 390

Matrix THREAD 2: Processing A row 1, B col 9

Matrix THREAD 2: Updating C | row: 1, col: 9. Value = 390

Matrix THREAD 2: Processing A row 2, B col 9

Matrix THREAD 2: Updating C | row: 2, col: 9. Value = 390

Matrix THREAD 2: Processing A row 3, B col 9

Matrix THREAD 2: Updating C | row: 3, col: 9. Value = 390

Matrix THREAD 2: Processing A row 4, B col 9

Matrix THREAD 2: Updating C | row: 4, col: 9. Value = 390

Matrix THREAD 2: Processing A row 5, B col 9

Matrix THREAD 4: Updating C | row: 12, col: 16. Value = 530

Matrix THREAD 4: Processing A row 13, B col 16

Matrix THREAD 1: Processing A row 15, B col 4

Matrix THREAD 0: Updating C | row: 6, col: 0. Value = 210

Matrix THREAD 0: Processing A row 7, B col 0

Matrix THREAD 0: Updating C | row: 7, col: 0. Value = 210

Matrix THREAD 3: Updating C | row: 6, col: 13. Value = 470

Matrix THREAD 3: Processing A row 7, B col 13

Matrix THREAD 2: Updating C | row: 5, col: 9. Value = 390

Matrix THREAD 4: Updating C | row: 13, col: 16. Value = 530

Matrix THREAD 4: Processing A row 14, B col 16

Matrix THREAD 0: Processing A row 8, B col 0

Matrix THREAD 1: Updating C | row: 15, col: 4. Value = 290

Matrix THREAD 1: Processing A row 16, B col 4

Matrix THREAD 1: Updating C | row: 16, col: 4. Value = 290

Matrix THREAD 1: Processing A row 17, B col 4

Matrix THREAD 1: Updating C | row: 17, col: 4. Value = 290

Matrix THREAD 1: Processing A row 18, B col 4

Matrix THREAD 1: Updating C | row: 18, col: 4. Value = 290

Matrix THREAD 1: Processing A row 19, B col 4

Matrix THREAD 1: Updating C | row: 19, col: 4. Value = 290

Matrix THREAD 1: Processing A row 0, B col 5

Matrix THREAD 2: Processing A row 6, B col 9

Matrix THREAD 4: Updating C | row: 14, col: 16. Value = 530

Matrix THREAD 4: Processing A row 15, B col 16

Matrix THREAD 4: Updating C | row: 15, col: 16. Value = 530

Matrix THREAD 4: Processing A row 16, B col 16

Matrix THREAD 0: Updating C | row: 8, col: 0. Value = 210

Matrix THREAD 0: Processing A row 9, B col 0

Matrix THREAD 0: Updating C | row: 9, col: 0. Value = 210

Matrix THREAD 0: Processing A row 10, B col 0

Matrix THREAD 2: Updating C | row: 6, col: 9. Value = 390

Matrix THREAD 2: Processing A row 7, B col 9

Matrix THREAD 2: Updating C | row: 7, col: 9. Value = 390

Matrix THREAD 2: Processing A row 8, B col 9

Matrix THREAD 2: Updating C | row: 8, col: 9. Value = 390

Matrix THREAD 2: Processing A row 9, B col 9

Matrix THREAD 4: Updating C | row: 16, col: 16. Value = 530

Matrix THREAD 4: Adding diagonal sum. Diagonal sum = 1850

Matrix THREAD 4: Processing A row 17, B col 16

Matrix THREAD 4: Updating C | row: 17, col: 16. Value = 530

Matrix THREAD 4: Processing A row 18, B col 16

Matrix THREAD 4: Updating C | row: 18, col: 16. Value = 530

Matrix THREAD 4: Processing A row 19, B col 16

Matrix THREAD 3: Updating C | row: 7, col: 13. Value = 470

Matrix THREAD 3: Processing A row 8, B col 13

Matrix THREAD 3: Updating C | row: 8, col: 13. Value = 470

Matrix THREAD 3: Processing A row 9, B col 13

Matrix THREAD 3: Updating C | row: 9, col: 13. Value = 470

Matrix THREAD 3: Processing A row 10, B col 13

Matrix THREAD 0: Updating C | row: 10, col: 0. Value = 210

Matrix THREAD 0: Processing A row 11, B col 0

Matrix THREAD 2: Updating C | row: 9, col: 9. Value = 390

Matrix THREAD 2: Adding diagonal sum. Diagonal sum = 2240

Matrix THREAD 2: Processing A row 10, B col 9

Matrix THREAD 2: Updating C | row: 10, col: 9. Value = 390

Matrix THREAD 2: Processing A row 11, B col 9

Matrix THREAD 2: Updating C | row: 11, col: 9. Value = 390

Matrix THREAD 2: Processing A row 12, B col 9

Matrix THREAD 1: Updating C | row: 0, col: 5. Value = 310

Matrix THREAD 1: Processing A row 1, B col 5

Matrix THREAD 1: Updating C | row: 1, col: 5. Value = 310

Matrix THREAD 1: Processing A row 2, B col 5

Matrix THREAD 1: Updating C | row: 2, col: 5. Value = 310

Matrix THREAD 1: Processing A row 3, B col 5

Matrix THREAD 1: Updating C | row: 3, col: 5. Value = 310

Matrix THREAD 1: Processing A row 4, B col 5

Matrix THREAD 0: Updating C | row: 11, col: 0. Value = 210

Matrix THREAD 0: Processing A row 12, B col 0

Matrix THREAD 2: Updating C | row: 12, col: 9. Value = 390

Matrix THREAD 2: Processing A row 13, B col 9

Matrix THREAD 2: Updating C | row: 13, col: 9. Value = 390

Matrix THREAD 2: Processing A row 14, B col 9

Matrix THREAD 2: Updating C | row: 14, col: 9. Value = 390

Matrix THREAD 2: Processing A row 15, B col 9

Matrix THREAD 4: Updating C | row: 19, col: 16. Value = 530

Matrix THREAD 4: Processing A row 0, B col 17

Matrix THREAD 4: Updating C | row: 0, col: 17. Value = 550

Matrix THREAD 4: Processing A row 1, B col 17

Matrix THREAD 3: Updating C | row: 10, col: 13. Value = 470

Matrix THREAD 3: Processing A row 11, B col 13

Matrix THREAD 3: Updating C | row: 11, col: 13. Value = 470

Matrix THREAD 3: Processing A row 12, B col 13

Matrix THREAD 3: Updating C | row: 12, col: 13. Value = 470

Matrix THREAD 3: Processing A row 13, B col 13

Matrix THREAD 1: Updating C | row: 4, col: 5. Value = 310

Matrix THREAD 1: Processing A row 5, B col 5

Matrix THREAD 0: Updating C | row: 12, col: 0. Value = 210

Matrix THREAD 0: Processing A row 13, B col 0

Matrix THREAD 2: Updating C | row: 15, col: 9. Value = 390

Matrix THREAD 2: Processing A row 16, B col 9

Matrix THREAD 2: Updating C | row: 16, col: 9. Value = 390

Matrix THREAD 2: Processing A row 17, B col 9

Matrix THREAD 2: Updating C | row: 17, col: 9. Value = 390

Matrix THREAD 2: Processing A row 18, B col 9

Matrix THREAD 2: Updating C | row: 18, col: 9. Value = 390

Matrix THREAD 2: Processing A row 19, B col 9

Matrix THREAD 2: Updating C | row: 19, col: 9. Value = 390

Matrix THREAD 2: Processing A row 0, B col 10

Matrix THREAD 3: Updating C | row: 13, col: 13. Value = 470

Matrix THREAD 3: Adding diagonal sum. Diagonal sum = 2710

Matrix THREAD 3: Processing A row 14, B col 13

Matrix THREAD 3: Updating C | row: 14, col: 13. Value = 470

Matrix THREAD 3: Processing A row 15, B col 13

Matrix THREAD 3: Updating C | row: 15, col: 13. Value = 470

Matrix THREAD 3: Processing A row 16, B col 13

Matrix THREAD 3: Updating C | row: 16, col: 13. Value = 470

Matrix THREAD 3: Processing A row 17, B col 13

Matrix THREAD 3: Updating C | row: 17, col: 13. Value = 470

Matrix THREAD 3: Processing A row 18, B col 13

Matrix THREAD 1: Updating C | row: 5, col: 5. Value = 310

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 3020

Matrix THREAD 1: Processing A row 6, B col 5

Matrix THREAD 0: Updating C | row: 13, col: 0. Value = 210

Matrix THREAD 0: Processing A row 14, B col 0

Matrix THREAD 0: Updating C | row: 14, col: 0. Value = 210

Matrix THREAD 0: Processing A row 15, B col 0

Matrix THREAD 2: Updating C | row: 0, col: 10. Value = 410

Matrix THREAD 2: Processing A row 1, B col 10

Matrix THREAD 2: Updating C | row: 1, col: 10. Value = 410

Matrix THREAD 2: Processing A row 2, B col 10

Matrix THREAD 2: Updating C | row: 2, col: 10. Value = 410

Matrix THREAD 2: Processing A row 3, B col 10

Matrix THREAD 1: Updating C | row: 6, col: 5. Value = 310

Matrix THREAD 1: Processing A row 7, B col 5

Matrix THREAD 4: Updating C | row: 1, col: 17. Value = 550

Matrix THREAD 4: Processing A row 2, B col 17

Matrix THREAD 0: Updating C | row: 15, col: 0. Value = 210

Matrix THREAD 0: Processing A row 16, B col 0

Matrix THREAD 3: Updating C | row: 18, col: 13. Value = 470

Matrix THREAD 3: Processing A row 19, B col 13

Matrix THREAD 2: Updating C | row: 3, col: 10. Value = 410

Matrix THREAD 2: Processing A row 4, B col 10

Matrix THREAD 2: Updating C | row: 4, col: 10. Value = 410

Matrix THREAD 2: Processing A row 5, B col 10

Matrix THREAD 1: Updating C | row: 7, col: 5. Value = 310

Matrix THREAD 1: Processing A row 8, B col 5

Matrix THREAD 0: Updating C | row: 16, col: 0. Value = 210

Matrix THREAD 0: Processing A row 17, B col 0

Matrix THREAD 3: Updating C | row: 19, col: 13. Value = 470

Matrix THREAD 3: Processing A row 0, B col 14

Matrix THREAD 2: Updating C | row: 5, col: 10. Value = 410

Matrix THREAD 2: Processing A row 6, B col 10

Matrix THREAD 4: Updating C | row: 2, col: 17. Value = 550

Matrix THREAD 4: Processing A row 3, B col 17

Matrix THREAD 4: Updating C | row: 3, col: 17. Value = 550

Matrix THREAD 4: Processing A row 4, B col 17

Matrix THREAD 0: Updating C | row: 17, col: 0. Value = 210

Matrix THREAD 0: Processing A row 18, B col 0

Matrix THREAD 3: Updating C | row: 0, col: 14. Value = 490

Matrix THREAD 3: Processing A row 1, B col 14

Matrix THREAD 2: Updating C | row: 6, col: 10. Value = 410

Matrix THREAD 2: Processing A row 7, B col 10

Matrix THREAD 1: Updating C | row: 8, col: 5. Value = 310

Matrix THREAD 1: Processing A row 9, B col 5

Matrix THREAD 4: Updating C | row: 4, col: 17. Value = 550

Matrix THREAD 4: Processing A row 5, B col 17

Matrix THREAD 0: Updating C | row: 18, col: 0. Value = 210

Matrix THREAD 0: Processing A row 19, B col 0

Matrix THREAD 3: Updating C | row: 1, col: 14. Value = 490

Matrix THREAD 3: Processing A row 2, B col 14

Matrix THREAD 2: Updating C | row: 7, col: 10. Value = 410

Matrix THREAD 2: Processing A row 8, B col 10

Matrix THREAD 1: Updating C | row: 9, col: 5. Value = 310

Matrix THREAD 1: Processing A row 10, B col 5

Matrix THREAD 4: Updating C | row: 5, col: 17. Value = 550

Matrix THREAD 4: Processing A row 6, B col 17

Matrix THREAD 0: Updating C | row: 19, col: 0. Value = 210

Matrix THREAD 0: Processing A row 0, B col 1

Matrix THREAD 3: Updating C | row: 2, col: 14. Value = 490

Matrix THREAD 3: Processing A row 3, B col 14

Matrix THREAD 2: Updating C | row: 8, col: 10. Value = 410

Matrix THREAD 2: Processing A row 9, B col 10

Matrix THREAD 1: Updating C | row: 10, col: 5. Value = 310

Matrix THREAD 1: Processing A row 11, B col 5

Matrix THREAD 1: Updating C | row: 11, col: 5. Value = 310

Matrix THREAD 1: Processing A row 12, B col 5

Matrix THREAD 4: Updating C | row: 6, col: 17. Value = 550

Matrix THREAD 4: Processing A row 7, B col 17

Matrix THREAD 0: Updating C | row: 0, col: 1. Value = 230

Matrix THREAD 0: Processing A row 1, B col 1

Matrix THREAD 3: Updating C | row: 3, col: 14. Value = 490

Matrix THREAD 3: Processing A row 4, B col 14

Matrix THREAD 2: Updating C | row: 9, col: 10. Value = 410

Matrix THREAD 2: Processing A row 10, B col 10

Matrix THREAD 1: Updating C | row: 12, col: 5. Value = 310

Matrix THREAD 1: Processing A row 13, B col 5

Matrix THREAD 1: Updating C | row: 13, col: 5. Value = 310

Matrix THREAD 1: Processing A row 14, B col 5

Matrix THREAD 1: Updating C | row: 14, col: 5. Value = 310

Matrix THREAD 1: Processing A row 15, B col 5

Matrix THREAD 0: Updating C | row: 1, col: 1. Value = 230

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 3250

Matrix THREAD 0: Processing A row 2, B col 1

Matrix THREAD 3: Updating C | row: 4, col: 14. Value = 490

Matrix THREAD 3: Processing A row 5, B col 14

Matrix THREAD 2: Updating C | row: 10, col: 10. Value = 410

Matrix THREAD 2: Adding diagonal sum. Diagonal sum = 3660

Matrix THREAD 2: Processing A row 11, B col 10

Matrix THREAD 2: Updating C | row: 11, col: 10. Value = 410

Matrix THREAD 2: Processing A row 12, B col 10

Matrix THREAD 2: Updating C | row: 12, col: 10. Value = 410

Matrix THREAD 2: Processing A row 13, B col 10

Matrix THREAD 4: Updating C | row: 7, col: 17. Value = 550

Matrix THREAD 4: Processing A row 8, B col 17

Matrix THREAD 1: Updating C | row: 15, col: 5. Value = 310

Matrix THREAD 1: Processing A row 16, B col 5

Matrix THREAD 0: Updating C | row: 2, col: 1. Value = 230

Matrix THREAD 0: Processing A row 3, B col 1

Matrix THREAD 3: Updating C | row: 5, col: 14. Value = 490

Matrix THREAD 3: Processing A row 6, B col 14

Matrix THREAD 2: Updating C | row: 13, col: 10. Value = 410

Matrix THREAD 2: Processing A row 14, B col 10

Matrix THREAD 2: Updating C | row: 14, col: 10. Value = 410

Matrix THREAD 2: Processing A row 15, B col 10

Matrix THREAD 2: Updating C | row: 15, col: 10. Value = 410

Matrix THREAD 2: Processing A row 16, B col 10

Matrix THREAD 2: Updating C | row: 16, col: 10. Value = 410

Matrix THREAD 2: Processing A row 17, B col 10

Matrix THREAD 1: Updating C | row: 16, col: 5. Value = 310

Matrix THREAD 1: Processing A row 17, B col 5

Matrix THREAD 0: Updating C | row: 3, col: 1. Value = 230

Matrix THREAD 0: Processing A row 4, B col 1

Matrix THREAD 3: Updating C | row: 6, col: 14. Value = 490

Matrix THREAD 3: Processing A row 7, B col 14

Matrix THREAD 4: Updating C | row: 8, col: 17. Value = 550

Matrix THREAD 4: Processing A row 9, B col 17

Matrix THREAD 4: Updating C | row: 9, col: 17. Value = 550

Matrix THREAD 4: Processing A row 10, B col 17

Matrix THREAD 4: Updating C | row: 10, col: 17. Value = 550

Matrix THREAD 4: Processing A row 11, B col 17

Matrix THREAD 4: Updating C | row: 11, col: 17. Value = 550

Matrix THREAD 4: Processing A row 12, B col 17

Matrix THREAD 4: Updating C | row: 12, col: 17. Value = 550

Matrix THREAD 4: Processing A row 13, B col 17

Matrix THREAD 4: Updating C | row: 13, col: 17. Value = 550

Matrix THREAD 4: Processing A row 14, B col 17

Matrix THREAD 2: Updating C | row: 17, col: 10. Value = 410

Matrix THREAD 1: Updating C | row: 17, col: 5. Value = 310

Matrix THREAD 1: Processing A row 18, B col 5

Matrix THREAD 0: Updating C | row: 4, col: 1. Value = 230

Matrix THREAD 0: Processing A row 5, B col 1

Matrix THREAD 0: Updating C | row: 5, col: 1. Value = 230

Matrix THREAD 0: Processing A row 6, B col 1

Matrix THREAD 0: Updating C | row: 6, col: 1. Value = 230

Matrix THREAD 0: Processing A row 7, B col 1

Matrix THREAD 0: Updating C | row: 7, col: 1. Value = 230

Matrix THREAD 0: Processing A row 8, B col 1

Matrix THREAD 0: Updating C | row: 8, col: 1. Value = 230

Matrix THREAD 0: Processing A row 9, B col 1

Matrix THREAD 0: Updating C | row: 9, col: 1. Value = 230

Matrix THREAD 0: Processing A row 10, B col 1

Matrix THREAD 0: Updating C | row: 10, col: 1. Value = 230

Matrix THREAD 0: Processing A row 11, B col 1

Matrix THREAD 0: Updating C | row: 11, col: 1. Value = 230

Matrix THREAD 0: Processing A row 12, B col 1

Matrix THREAD 1: Updating C | row: 18, col: 5. Value = 310

Matrix THREAD 1: Processing A row 19, B col 5

Matrix THREAD 1: Updating C | row: 19, col: 5. Value = 310

Matrix THREAD 1: Processing A row 0, B col 6

Matrix THREAD 1: Updating C | row: 0, col: 6. Value = 330

Matrix THREAD 1: Processing A row 1, B col 6

Matrix THREAD 1: Updating C | row: 1, col: 6. Value = 330

Matrix THREAD 1: Processing A row 2, B col 6

Matrix THREAD 1: Updating C | row: 2, col: 6. Value = 330

Matrix THREAD 1: Processing A row 3, B col 6

Matrix THREAD 1: Updating C | row: 3, col: 6. Value = 330

Matrix THREAD 1: Processing A row 4, B col 6

Matrix THREAD 0: Updating C | row: 12, col: 1. Value = 230

Matrix THREAD 0: Processing A row 13, B col 1

Matrix THREAD 0: Updating C | row: 13, col: 1. Value = 230

Matrix THREAD 0: Processing A row 14, B col 1

Matrix THREAD 0: Updating C | row: 14, col: 1. Value = 230

Matrix THREAD 0: Processing A row 15, B col 1

Matrix THREAD 3: Updating C | row: 7, col: 14. Value = 490

Matrix THREAD 2: Processing A row 18, B col 10

Matrix THREAD 4: Updating C | row: 14, col: 17. Value = 550

Matrix THREAD 4: Processing A row 15, B col 17

Matrix THREAD 1: Updating C | row: 4, col: 6. Value = 330

Matrix THREAD 1: Processing A row 5, B col 6

Matrix THREAD 0: Updating C | row: 15, col: 1. Value = 230

Matrix THREAD 0: Processing A row 16, B col 1

Matrix THREAD 0: Updating C | row: 16, col: 1. Value = 230

Matrix THREAD 0: Processing A row 17, B col 1

Matrix THREAD 0: Updating C | row: 17, col: 1. Value = 230

Matrix THREAD 0: Processing A row 18, B col 1

Matrix THREAD 0: Updating C | row: 18, col: 1. Value = 230

Matrix THREAD 0: Processing A row 19, B col 1

Matrix THREAD 0: Updating C | row: 19, col: 1. Value = 230

Matrix THREAD 0: Processing A row 0, B col 2

Matrix THREAD 3: Processing A row 8, B col 14

Matrix THREAD 2: Updating C | row: 18, col: 10. Value = 410

Matrix THREAD 2: Processing A row 19, B col 10

Matrix THREAD 1: Updating C | row: 5, col: 6. Value = 330

Matrix THREAD 1: Processing A row 6, B col 6

Matrix THREAD 1: Updating C | row: 6, col: 6. Value = 330

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 3990

Matrix THREAD 1: Processing A row 7, B col 6

Matrix THREAD 0: Updating C | row: 0, col: 2. Value = 250

Matrix THREAD 0: Processing A row 1, B col 2

Matrix THREAD 0: Updating C | row: 1, col: 2. Value = 250

Matrix THREAD 0: Processing A row 2, B col 2

Matrix THREAD 0: Updating C | row: 2, col: 2. Value = 250

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 4240

Matrix THREAD 0: Processing A row 3, B col 2

Matrix THREAD 0: Updating C | row: 3, col: 2. Value = 250

Matrix THREAD 0: Processing A row 4, B col 2

Matrix THREAD 0: Updating C | row: 4, col: 2. Value = 250

Matrix THREAD 0: Processing A row 5, B col 2

Matrix THREAD 0: Updating C | row: 5, col: 2. Value = 250

Matrix THREAD 0: Processing A row 6, B col 2

Matrix THREAD 0: Updating C | row: 6, col: 2. Value = 250

Matrix THREAD 0: Processing A row 7, B col 2

Matrix THREAD 3: Updating C | row: 8, col: 14. Value = 490

Matrix THREAD 3: Processing A row 9, B col 14

Matrix THREAD 2: Updating C | row: 19, col: 10. Value = 410

Matrix THREAD 2: Processing A row 0, B col 11

Matrix THREAD 4: Updating C | row: 15, col: 17. Value = 550

Matrix THREAD 4: Processing A row 16, B col 17

Matrix THREAD 1: Updating C | row: 7, col: 6. Value = 330

Matrix THREAD 1: Processing A row 8, B col 6

Matrix THREAD 0: Updating C | row: 7, col: 2. Value = 250

Matrix THREAD 0: Processing A row 8, B col 2

Matrix THREAD 0: Updating C | row: 8, col: 2. Value = 250

Matrix THREAD 0: Processing A row 9, B col 2

Matrix THREAD 0: Updating C | row: 9, col: 2. Value = 250

Matrix THREAD 0: Processing A row 10, B col 2

Matrix THREAD 0: Updating C | row: 10, col: 2. Value = 250

Matrix THREAD 0: Processing A row 11, B col 2

Matrix THREAD 0: Updating C | row: 11, col: 2. Value = 250

Matrix THREAD 0: Processing A row 12, B col 2

Matrix THREAD 0: Updating C | row: 12, col: 2. Value = 250

Matrix THREAD 0: Processing A row 13, B col 2

Matrix THREAD 0: Updating C | row: 13, col: 2. Value = 250

Matrix THREAD 0: Processing A row 14, B col 2

Matrix THREAD 3: Updating C | row: 9, col: 14. Value = 490

Matrix THREAD 2: Updating C | row: 0, col: 11. Value = 430

Matrix THREAD 3: Processing A row 10, B col 14

Matrix THREAD 2: Processing A row 1, B col 11

Matrix THREAD 4: Updating C | row: 16, col: 17. Value = 550

Matrix THREAD 4: Processing A row 17, B col 17

Matrix THREAD 1: Updating C | row: 8, col: 6. Value = 330

Matrix THREAD 1: Processing A row 9, B col 6

Matrix THREAD 0: Updating C | row: 14, col: 2. Value = 250

Matrix THREAD 0: Processing A row 15, B col 2

Matrix THREAD 0: Updating C | row: 15, col: 2. Value = 250

Matrix THREAD 0: Processing A row 16, B col 2

Matrix THREAD 0: Updating C | row: 16, col: 2. Value = 250

Matrix THREAD 0: Processing A row 17, B col 2

Matrix THREAD 0: Updating C | row: 17, col: 2. Value = 250

Matrix THREAD 0: Processing A row 18, B col 2

Matrix THREAD 0: Updating C | row: 18, col: 2. Value = 250

Matrix THREAD 0: Processing A row 19, B col 2

Matrix THREAD 0: Updating C | row: 19, col: 2. Value = 250

Matrix THREAD 0: Processing A row 0, B col 3

Matrix THREAD 3: Updating C | row: 10, col: 14. Value = 490

Matrix THREAD 3: Processing A row 11, B col 14

Matrix THREAD 2: Updating C | row: 1, col: 11. Value = 430

Matrix THREAD 4: Updating C | row: 17, col: 17. Value = 550

Matrix THREAD 4: Adding diagonal sum. Diagonal sum = 4790

Matrix THREAD 4: Processing A row 18, B col 17

Matrix THREAD 1: Updating C | row: 9, col: 6. Value = 330

Matrix THREAD 1: Processing A row 10, B col 6

Matrix THREAD 2: Processing A row 2, B col 11

Matrix THREAD 0: Updating C | row: 0, col: 3. Value = 270

Matrix THREAD 0: Processing A row 1, B col 3

Matrix THREAD 0: Updating C | row: 1, col: 3. Value = 270

Matrix THREAD 0: Processing A row 2, B col 3

Matrix THREAD 0: Updating C | row: 2, col: 3. Value = 270

Matrix THREAD 0: Processing A row 3, B col 3

Matrix THREAD 0: Updating C | row: 3, col: 3. Value = 270

Matrix THREAD 0: Adding diagonal sum. Diagonal sum = 5060

Matrix THREAD 0: Processing A row 4, B col 3

Matrix THREAD 3: Updating C | row: 11, col: 14. Value = 490

Matrix THREAD 4: Updating C | row: 18, col: 17. Value = 550

Matrix THREAD 4: Processing A row 19, B col 17

Matrix THREAD 1: Updating C | row: 10, col: 6. Value = 330

Matrix THREAD 1: Processing A row 11, B col 6

Matrix THREAD 1: Updating C | row: 11, col: 6. Value = 330

Matrix THREAD 1: Processing A row 12, B col 6

Matrix THREAD 3: Processing A row 12, B col 14

Matrix THREAD 1: Updating C | row: 12, col: 6. Value = 330

Matrix THREAD 1: Processing A row 13, B col 6

Matrix THREAD 0: Updating C | row: 4, col: 3. Value = 270

Matrix THREAD 0: Processing A row 5, B col 3

Matrix THREAD 4: Updating C | row: 19, col: 17. Value = 550

Matrix THREAD 4: Processing A row 0, B col 18

Matrix THREAD 4: Updating C | row: 0, col: 18. Value = 570

Matrix THREAD 4: Processing A row 1, B col 18

Matrix THREAD 4: Updating C | row: 1, col: 18. Value = 570

Matrix THREAD 4: Processing A row 2, B col 18

Matrix THREAD 4: Updating C | row: 2, col: 18. Value = 570

Matrix THREAD 4: Processing A row 3, B col 18

Matrix THREAD 4: Updating C | row: 3, col: 18. Value = 570

Matrix THREAD 4: Processing A row 4, B col 18

Matrix THREAD 4: Updating C | row: 4, col: 18. Value = 570

Matrix THREAD 4: Processing A row 5, B col 18

Matrix THREAD 4: Updating C | row: 5, col: 18. Value = 570

Matrix THREAD 4: Processing A row 6, B col 18

Matrix THREAD 4: Updating C | row: 6, col: 18. Value = 570

Matrix THREAD 4: Processing A row 7, B col 18

Matrix THREAD 2: Updating C | row: 2, col: 11. Value = 430

Matrix THREAD 2: Processing A row 3, B col 11

Matrix THREAD 3: Updating C | row: 12, col: 14. Value = 490

Matrix THREAD 3: Processing A row 13, B col 14

Matrix THREAD 1: Updating C | row: 13, col: 6. Value = 330

Matrix THREAD 1: Processing A row 14, B col 6

Matrix THREAD 0: Updating C | row: 5, col: 3. Value = 270

Matrix THREAD 0: Processing A row 6, B col 3

Matrix THREAD 4: Updating C | row: 7, col: 18. Value = 570

Matrix THREAD 4: Processing A row 8, B col 18

Matrix THREAD 2: Updating C | row: 3, col: 11. Value = 430

Matrix THREAD 2: Processing A row 4, B col 11

Matrix THREAD 3: Updating C | row: 13, col: 14. Value = 490

Matrix THREAD 3: Processing A row 14, B col 14

Matrix THREAD 1: Updating C | row: 14, col: 6. Value = 330

Matrix THREAD 1: Processing A row 15, B col 6

Matrix THREAD 0: Updating C | row: 6, col: 3. Value = 270

Matrix THREAD 0: Processing A row 7, B col 3

Matrix THREAD 4: Updating C | row: 8, col: 18. Value = 570

Matrix THREAD 4: Processing A row 9, B col 18

Matrix THREAD 2: Updating C | row: 4, col: 11. Value = 430

Matrix THREAD 2: Processing A row 5, B col 11

Matrix THREAD 3: Updating C | row: 14, col: 14. Value = 490

Matrix THREAD 3: Adding diagonal sum. Diagonal sum = 5550

Matrix THREAD 3: Processing A row 15, B col 14

Matrix THREAD 1: Updating C | row: 15, col: 6. Value = 330

Matrix THREAD 1: Processing A row 16, B col 6

Matrix THREAD 0: Updating C | row: 7, col: 3. Value = 270

Matrix THREAD 0: Processing A row 8, B col 3

Matrix THREAD 4: Updating C | row: 9, col: 18. Value = 570

Matrix THREAD 4: Processing A row 10, B col 18

Matrix THREAD 2: Updating C | row: 5, col: 11. Value = 430

Matrix THREAD 2: Processing A row 6, B col 11

Matrix THREAD 3: Updating C | row: 15, col: 14. Value = 490

Matrix THREAD 3: Processing A row 16, B col 14

Matrix THREAD 1: Updating C | row: 16, col: 6. Value = 330

Matrix THREAD 1: Processing A row 17, B col 6

Matrix THREAD 0: Updating C | row: 8, col: 3. Value = 270

Matrix THREAD 0: Processing A row 9, B col 3

Matrix THREAD 4: Updating C | row: 10, col: 18. Value = 570

Matrix THREAD 4: Processing A row 11, B col 18

Matrix THREAD 2: Updating C | row: 6, col: 11. Value = 430

Matrix THREAD 2: Processing A row 7, B col 11

Matrix THREAD 3: Updating C | row: 16, col: 14. Value = 490

Matrix THREAD 3: Processing A row 17, B col 14

Matrix THREAD 1: Updating C | row: 17, col: 6. Value = 330

Matrix THREAD 1: Processing A row 18, B col 6

Matrix THREAD 0: Updating C | row: 9, col: 3. Value = 270

Matrix THREAD 0: Processing A row 10, B col 3

Matrix THREAD 4: Updating C | row: 11, col: 18. Value = 570

Matrix THREAD 4: Processing A row 12, B col 18

Matrix THREAD 2: Updating C | row: 7, col: 11. Value = 430

Matrix THREAD 2: Processing A row 8, B col 11

Matrix THREAD 3: Updating C | row: 17, col: 14. Value = 490

Matrix THREAD 3: Processing A row 18, B col 14

Matrix THREAD 1: Updating C | row: 18, col: 6. Value = 330

Matrix THREAD 1: Processing A row 19, B col 6

Matrix THREAD 0: Updating C | row: 10, col: 3. Value = 270

Matrix THREAD 0: Processing A row 11, B col 3

Matrix THREAD 4: Updating C | row: 12, col: 18. Value = 570

Matrix THREAD 4: Processing A row 13, B col 18

Matrix THREAD 2: Updating C | row: 8, col: 11. Value = 430

Matrix THREAD 2: Processing A row 9, B col 11

Matrix THREAD 3: Updating C | row: 18, col: 14. Value = 490

Matrix THREAD 3: Processing A row 19, B col 14

Matrix THREAD 1: Updating C | row: 19, col: 6. Value = 330

Matrix THREAD 1: Processing A row 0, B col 7

Matrix THREAD 0: Updating C | row: 11, col: 3. Value = 270

Matrix THREAD 0: Processing A row 12, B col 3

Matrix THREAD 4: Updating C | row: 13, col: 18. Value = 570

Matrix THREAD 4: Processing A row 14, B col 18

Matrix THREAD 2: Updating C | row: 9, col: 11. Value = 430

Matrix THREAD 2: Processing A row 10, B col 11

Matrix THREAD 3: Updating C | row: 19, col: 14. Value = 490

Matrix THREAD 3: Processing A row 0, B col 15

Matrix THREAD 1: Updating C | row: 0, col: 7. Value = 350

Matrix THREAD 1: Processing A row 1, B col 7

Matrix THREAD 0: Updating C | row: 12, col: 3. Value = 270

Matrix THREAD 0: Processing A row 13, B col 3

Matrix THREAD 4: Updating C | row: 14, col: 18. Value = 570

Matrix THREAD 4: Processing A row 15, B col 18

Matrix THREAD 2: Updating C | row: 10, col: 11. Value = 430

Matrix THREAD 2: Processing A row 11, B col 11

Matrix THREAD 3: Updating C | row: 0, col: 15. Value = 510

Matrix THREAD 3: Processing A row 1, B col 15

Matrix THREAD 1: Updating C | row: 1, col: 7. Value = 350

Matrix THREAD 1: Processing A row 2, B col 7

Matrix THREAD 0: Updating C | row: 13, col: 3. Value = 270

Matrix THREAD 0: Processing A row 14, B col 3

Matrix THREAD 4: Updating C | row: 15, col: 18. Value = 570

Matrix THREAD 4: Processing A row 16, B col 18

Matrix THREAD 2: Updating C | row: 11, col: 11. Value = 430

Matrix THREAD 2: Adding diagonal sum. Diagonal sum = 5980

Matrix THREAD 2: Processing A row 12, B col 11

Matrix THREAD 3: Updating C | row: 1, col: 15. Value = 510

Matrix THREAD 3: Processing A row 2, B col 15

Matrix THREAD 1: Updating C | row: 2, col: 7. Value = 350

Matrix THREAD 1: Processing A row 3, B col 7

Matrix THREAD 0: Updating C | row: 14, col: 3. Value = 270

Matrix THREAD 0: Processing A row 15, B col 3

Matrix THREAD 4: Updating C | row: 16, col: 18. Value = 570

Matrix THREAD 4: Processing A row 17, B col 18

Matrix THREAD 2: Updating C | row: 12, col: 11. Value = 430

Matrix THREAD 2: Processing A row 13, B col 11

Matrix THREAD 3: Updating C | row: 2, col: 15. Value = 510

Matrix THREAD 3: Processing A row 3, B col 15

Matrix THREAD 1: Updating C | row: 3, col: 7. Value = 350

Matrix THREAD 1: Processing A row 4, B col 7

Matrix THREAD 0: Updating C | row: 15, col: 3. Value = 270

Matrix THREAD 0: Processing A row 16, B col 3

Matrix THREAD 4: Updating C | row: 17, col: 18. Value = 570

Matrix THREAD 4: Processing A row 18, B col 18

Matrix THREAD 2: Updating C | row: 13, col: 11. Value = 430

Matrix THREAD 2: Processing A row 14, B col 11

Matrix THREAD 3: Updating C | row: 3, col: 15. Value = 510

Matrix THREAD 3: Processing A row 4, B col 15

Matrix THREAD 1: Updating C | row: 4, col: 7. Value = 350

Matrix THREAD 1: Processing A row 5, B col 7

Matrix THREAD 0: Updating C | row: 16, col: 3. Value = 270

Matrix THREAD 0: Processing A row 17, B col 3

Matrix THREAD 4: Updating C | row: 18, col: 18. Value = 570

Matrix THREAD 4: Adding diagonal sum. Diagonal sum = 6550

Matrix THREAD 4: Processing A row 19, B col 18

Matrix THREAD 2: Updating C | row: 14, col: 11. Value = 430

Matrix THREAD 2: Processing A row 15, B col 11

Matrix THREAD 3: Updating C | row: 4, col: 15. Value = 510

Matrix THREAD 3: Processing A row 5, B col 15

Matrix THREAD 1: Updating C | row: 5, col: 7. Value = 350

Matrix THREAD 1: Processing A row 6, B col 7

Matrix THREAD 0: Updating C | row: 17, col: 3. Value = 270

Matrix THREAD 0: Processing A row 18, B col 3

Matrix THREAD 4: Updating C | row: 19, col: 18. Value = 570

Matrix THREAD 4: Processing A row 0, B col 19

Matrix THREAD 2: Updating C | row: 15, col: 11. Value = 430

Matrix THREAD 2: Processing A row 16, B col 11

Matrix THREAD 3: Updating C | row: 5, col: 15. Value = 510

Matrix THREAD 3: Processing A row 6, B col 15

Matrix THREAD 1: Updating C | row: 6, col: 7. Value = 350

Matrix THREAD 1: Processing A row 7, B col 7

Matrix THREAD 0: Updating C | row: 18, col: 3. Value = 270

Matrix THREAD 0: Processing A row 19, B col 3

Matrix THREAD 4: Updating C | row: 0, col: 19. Value = 590

Matrix THREAD 4: Processing A row 1, B col 19

Matrix THREAD 2: Updating C | row: 16, col: 11. Value = 430

Matrix THREAD 2: Processing A row 17, B col 11

Matrix THREAD 3: Updating C | row: 6, col: 15. Value = 510

Matrix THREAD 3: Processing A row 7, B col 15

Matrix THREAD 1: Updating C | row: 7, col: 7. Value = 350

Matrix THREAD 1: Adding diagonal sum. Diagonal sum = 6900

Matrix THREAD 1: Processing A row 8, B col 7

Matrix THREAD 0: Updating C | row: 19, col: 3. Value = 270

Matrix THREAD 0: \*\*\*\*\* COMPLETE \*\*\*\*\*

Matrix THREAD 4: Updating C | row: 1, col: 19. Value = 590

Matrix THREAD 4: Processing A row 2, B col 19

Matrix THREAD 2: Updating C | row: 17, col: 11. Value = 430

Matrix THREAD 2: Processing A row 18, B col 11

Matrix THREAD 3: Updating C | row: 7, col: 15. Value = 510

Matrix THREAD 3: Processing A row 8, B col 15

MAIN THREAD: child 0 has joined

Matrix THREAD 1: Updating C | row: 8, col: 7. Value = 350

Matrix THREAD 1: Processing A row 9, B col 7

Matrix THREAD 4: Updating C | row: 2, col: 19. Value = 590

Matrix THREAD 4: Processing A row 3, B col 19

Matrix THREAD 2: Updating C | row: 18, col: 11. Value = 430

Matrix THREAD 2: Processing A row 19, B col 11

Matrix THREAD 3: Updating C | row: 8, col: 15. Value = 510

Matrix THREAD 3: Processing A row 9, B col 15

Matrix THREAD 1: Updating C | row: 9, col: 7. Value = 350

Matrix THREAD 1: Processing A row 10, B col 7

Matrix THREAD 4: Updating C | row: 3, col: 19. Value = 590

Matrix THREAD 4: Processing A row 4, B col 19

Matrix THREAD 2: Updating C | row: 19, col: 11. Value = 430

Matrix THREAD 2: \*\*\*\*\* COMPLETE \*\*\*\*\*

Matrix THREAD 3: Updating C | row: 9, col: 15. Value = 510

Matrix THREAD 3: Processing A row 10, B col 15

Matrix THREAD 1: Updating C | row: 10, col: 7. Value = 350

Matrix THREAD 1: Processing A row 11, B col 7

Matrix THREAD 4: Updating C | row: 4, col: 19. Value = 590

Matrix THREAD 4: Processing A row 5, B col 19

Matrix THREAD 3: Updating C | row: 10, col: 15. Value = 510

Matrix THREAD 3: Processing A row 11, B col 15

Matrix THREAD 1: Updating C | row: 11, col: 7. Value = 350

Matrix THREAD 1: Processing A row 12, B col 7

Matrix THREAD 4: Updating C | row: 5, col: 19. Value = 590

Matrix THREAD 4: Processing A row 6, B col 19

Matrix THREAD 3: Updating C | row: 11, col: 15. Value = 510

Matrix THREAD 3: Processing A row 12, B col 15

Matrix THREAD 1: Updating C | row: 12, col: 7. Value = 350

Matrix THREAD 1: Processing A row 13, B col 7

Matrix THREAD 4: Updating C | row: 6, col: 19. Value = 590

Matrix THREAD 4: Processing A row 7, B col 19

Matrix THREAD 3: Updating C | row: 12, col: 15. Value = 510

Matrix THREAD 3: Processing A row 13, B col 15

Matrix THREAD 1: Updating C | row: 13, col: 7. Value = 350

Matrix THREAD 1: Processing A row 14, B col 7

Matrix THREAD 4: Updating C | row: 7, col: 19. Value = 590

Matrix THREAD 4: Processing A row 8, B col 19

Matrix THREAD 3: Updating C | row: 13, col: 15. Value = 510

Matrix THREAD 3: Processing A row 14, B col 15

Matrix THREAD 1: Updating C | row: 14, col: 7. Value = 350

Matrix THREAD 1: Processing A row 15, B col 7

Matrix THREAD 4: Updating C | row: 8, col: 19. Value = 590

Matrix THREAD 4: Processing A row 9, B col 19

Matrix THREAD 3: Updating C | row: 14, col: 15. Value = 510

Matrix THREAD 3: Processing A row 15, B col 15

Matrix THREAD 1: Updating C | row: 15, col: 7. Value = 350

Matrix THREAD 1: Processing A row 16, B col 7

Matrix THREAD 4: Updating C | row: 9, col: 19. Value = 590

Matrix THREAD 4: Processing A row 10, B col 19

Matrix THREAD 3: Updating C | row: 15, col: 15. Value = 510

Matrix THREAD 3: Adding diagonal sum. Diagonal sum = 7410

Matrix THREAD 3: Processing A row 16, B col 15

Matrix THREAD 1: Updating C | row: 16, col: 7. Value = 350

Matrix THREAD 1: Processing A row 17, B col 7

Matrix THREAD 4: Updating C | row: 10, col: 19. Value = 590

Matrix THREAD 4: Processing A row 11, B col 19

Matrix THREAD 3: Updating C | row: 16, col: 15. Value = 510

Matrix THREAD 3: Processing A row 17, B col 15

Matrix THREAD 1: Updating C | row: 17, col: 7. Value = 350

Matrix THREAD 1: Processing A row 18, B col 7

Matrix THREAD 4: Updating C | row: 11, col: 19. Value = 590

Matrix THREAD 4: Processing A row 12, B col 19

Matrix THREAD 3: Updating C | row: 17, col: 15. Value = 510

Matrix THREAD 3: Processing A row 18, B col 15

Matrix THREAD 1: Updating C | row: 18, col: 7. Value = 350

Matrix THREAD 1: Processing A row 19, B col 7

Matrix THREAD 4: Updating C | row: 12, col: 19. Value = 590

Matrix THREAD 4: Processing A row 13, B col 19

Matrix THREAD 3: Updating C | row: 18, col: 15. Value = 510

Matrix THREAD 3: Processing A row 19, B col 15

Matrix THREAD 1: Updating C | row: 19, col: 7. Value = 350

Matrix THREAD 1: \*\*\*\*\* COMPLETE \*\*\*\*\*

Matrix THREAD 4: Updating C | row: 13, col: 19. Value = 590

Matrix THREAD 4: Processing A row 14, B col 19

Matrix THREAD 3: Updating C | row: 19, col: 15. Value = 510

MAIN THREAD: child 1 has joined

MAIN THREAD: child 2 has joined

Matrix THREAD 4: Updating C | row: 14, col: 19. Value = 590

Matrix THREAD 4: Processing A row 15, B col 19

Matrix THREAD 4: Updating C | row: 15, col: 19. Value = 590

Matrix THREAD 4: Processing A row 16, B col 19

Matrix THREAD 4: Updating C | row: 16, col: 19. Value = 590

Matrix THREAD 4: Processing A row 17, B col 19

Matrix THREAD 4: Updating C | row: 17, col: 19. Value = 590

Matrix THREAD 4: Processing A row 18, B col 19

Matrix THREAD 4: Updating C | row: 18, col: 19. Value = 590

Matrix THREAD 4: Processing A row 19, B col 19

Matrix THREAD 4: Updating C | row: 19, col: 19. Value = 590

Matrix THREAD 4: Adding diagonal sum. Diagonal sum = 8000

Matrix THREAD 4: \*\*\*\*\* COMPLETE \*\*\*\*\*

Matrix THREAD 3: \*\*\*\*\* COMPLETE \*\*\*\*\*

MAIN THREAD: child 3 has joined

MAIN THREAD: child 4 has joined

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MAIN THREAD: The resulting matrix C is:

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

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210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

210 230 250 270 290 310 330 350 370 390 410 430 450 470 490 510 530 550 570 590

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MAIN THREAD: Diagonal sum is: 8000

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Thu Oct 24 18:04:47 CDT 2024

cslinux2.utdallas.edu

txn200004 pts/8 2024-10-24 17:53 (10.50.240.134)

UID PID PPID C STIME TTY TIME CMD

root 1 0 0 Sep24 ? 00:28:28 /usr/lib/systemd/systemd --switched-root --system --deserialize 22

root 2 0 0 Sep24 ? 00:00:11 [kthreadd]

root 4 2 0 Sep24 ? 00:00:00 [kworker/0:0H]

root 6 2 0 Sep24 ? 00:11:36 [ksoftirqd/0]

root 7 2 0 Sep24 ? 00:00:57 [migration/0]

root 8 2 0 Sep24 ? 00:00:00 [rcu\_bh]

root 9 2 0 Sep24 ? 03:38:26 [rcu\_sched]

root 10 2 0 Sep24 ? 00:00:00 [lru-add-drain]

root 11 2 0 Sep24 ? 00:02:31 [watchdog/0]

root 12 2 0 Sep24 ? 00:02:12 [watchdog/1]

root 13 2 0 Sep24 ? 00:00:30 [migration/1]

root 14 2 0 Sep24 ? 00:03:46 [ksoftirqd/1]

root 16 2 0 Sep24 ? 00:00:00 [kworker/1:0H]

root 18 2 0 Sep24 ? 00:02:27 [watchdog/2]

root 19 2 0 Sep24 ? 00:01:22 [migration/2]

root 20 2 0 Sep24 ? 00:02:21 [ksoftirqd/2]

root 22 2 0 Sep24 ? 00:00:00 [kworker/2:0H]

root 24 2 0 Sep24 ? 00:02:12 [watchdog/3]

root 25 2 0 Sep24 ? 00:00:42 [migration/3]

root 26 2 0 Sep24 ? 00:00:12 [ksoftirqd/3]

root 28 2 0 Sep24 ? 00:00:00 [kworker/3:0H]

root 29 2 0 Sep24 ? 00:02:29 [watchdog/4]

root 30 2 0 Sep24 ? 00:00:57 [migration/4]

root 31 2 0 Sep24 ? 00:01:37 [ksoftirqd/4]

root 33 2 0 Sep24 ? 00:00:00 [kworker/4:0H]

root 34 2 0 Sep24 ? 00:02:07 [watchdog/5]

root 35 2 0 Sep24 ? 00:00:19 [migration/5]

root 36 2 0 Sep24 ? 00:00:10 [ksoftirqd/5]

root 38 2 0 Sep24 ? 00:00:00 [kworker/5:0H]

root 39 2 0 Sep24 ? 00:02:32 [watchdog/6]

root 40 2 0 Sep24 ? 00:00:48 [migration/6]

root 41 2 0 Sep24 ? 00:01:12 [ksoftirqd/6]

root 44 2 0 Sep24 ? 00:02:09 [watchdog/7]

root 45 2 0 Sep24 ? 00:00:16 [migration/7]

root 46 2 0 Sep24 ? 00:00:47 [ksoftirqd/7]

root 48 2 0 Sep24 ? 00:00:00 [kworker/7:0H]

root 49 2 0 Sep24 ? 00:02:30 [watchdog/8]

root 50 2 0 Sep24 ? 00:00:44 [migration/8]

root 51 2 0 Sep24 ? 00:01:02 [ksoftirqd/8]

root 54 2 0 Sep24 ? 00:02:11 [watchdog/9]

root 55 2 0 Sep24 ? 00:00:16 [migration/9]

root 56 2 0 Sep24 ? 00:00:11 [ksoftirqd/9]

root 58 2 0 Sep24 ? 00:00:00 [kworker/9:0H]

root 59 2 0 Sep24 ? 00:02:30 [watchdog/10]

root 60 2 0 Sep24 ? 00:00:44 [migration/10]

root 61 2 0 Sep24 ? 00:01:12 [ksoftirqd/10]

root 64 2 0 Sep24 ? 00:02:08 [watchdog/11]

root 65 2 0 Sep24 ? 00:00:15 [migration/11]

root 66 2 0 Sep24 ? 00:00:12 [ksoftirqd/11]

root 68 2 0 Sep24 ? 00:00:00 [kworker/11:0H]

root 69 2 0 Sep24 ? 00:02:30 [watchdog/12]

root 70 2 0 Sep24 ? 00:00:40 [migration/12]

root 71 2 0 Sep24 ? 00:01:11 [ksoftirqd/12]

root 74 2 0 Sep24 ? 00:02:09 [watchdog/13]

root 75 2 0 Sep24 ? 00:00:14 [migration/13]

root 76 2 0 Sep24 ? 00:00:11 [ksoftirqd/13]

root 78 2 0 Sep24 ? 00:00:00 [kworker/13:0H]

root 79 2 0 Sep24 ? 00:02:29 [watchdog/14]

root 80 2 0 Sep24 ? 00:00:43 [migration/14]

root 81 2 0 Sep24 ? 00:01:14 [ksoftirqd/14]

root 83 2 0 Sep24 ? 00:04:30 [kworker/14:0H]

root 84 2 0 Sep24 ? 00:02:06 [watchdog/15]

root 85 2 0 Sep24 ? 00:00:13 [migration/15]

root 86 2 0 Sep24 ? 00:00:11 [ksoftirqd/15]

root 88 2 0 Sep24 ? 00:00:00 [kworker/15:0H]

root 91 2 0 Sep24 ? 00:00:00 [kdevtmpfs]

root 92 2 0 Sep24 ? 00:00:00 [netns]

root 93 2 0 Sep24 ? 00:00:29 [khungtaskd]

root 94 2 0 Sep24 ? 00:00:00 [writeback]

root 95 2 0 Sep24 ? 00:00:00 [kintegrityd]

root 96 2 0 Sep24 ? 00:00:00 [bioset]

root 97 2 0 Sep24 ? 00:00:00 [bioset]

root 98 2 0 Sep24 ? 00:00:00 [bioset]

root 99 2 0 Sep24 ? 00:00:00 [kblockd]

root 101 2 0 Sep24 ? 00:00:00 [md]

root 102 2 0 Sep24 ? 00:00:00 [edac-poller]

root 103 2 0 Sep24 ? 00:00:00 [watchdogd]

root 109 2 0 Sep24 ? 00:00:00 [kswapd0]

root 110 2 0 Sep24 ? 00:00:00 [kswapd1]

root 111 2 0 Sep24 ? 00:00:00 [ksmd]

root 112 2 0 Sep24 ? 00:04:30 [khugepaged]

root 113 2 0 Sep24 ? 00:00:00 [crypto]

root 121 2 0 Sep24 ? 00:00:00 [kthrotld]

root 124 2 0 Sep24 ? 00:00:00 [kmpath\_rdacd]

root 125 2 0 Sep24 ? 00:00:00 [kaluad]

root 136 2 0 Sep24 ? 00:00:00 [kpsmoused]

root 137 2 0 Sep24 ? 00:00:00 [ipv6\_addrconf]

root 150 2 0 Sep24 ? 00:00:00 [deferwq]

root 206 2 0 Sep24 ? 00:00:21 [kauditd]

root 340 2 0 Sep24 ? 00:00:00 [scsi\_eh\_0]

root 356 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_0]

root 363 2 0 Sep24 ? 00:00:00 [ata\_sff]

root 367 2 0 Sep24 ? 00:00:00 [ixgbe]

root 370 2 0 Sep24 ? 00:00:00 [scsi\_eh\_1]

root 371 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_1]

root 372 2 0 Sep24 ? 00:00:00 [scsi\_eh\_2]

root 373 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_2]

root 374 2 0 Sep24 ? 00:00:00 [scsi\_eh\_3]

root 375 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_3]

root 376 2 0 Sep24 ? 00:00:00 [scsi\_eh\_4]

root 377 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_4]

root 378 2 0 Sep24 ? 00:00:00 [scsi\_eh\_5]

root 379 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_5]

root 380 2 0 Sep24 ? 00:00:00 [scsi\_eh\_6]

root 381 2 0 Sep24 ? 00:00:00 [scsi\_tmf\_6]

root 387 2 0 Sep24 ? 00:00:00 [poll\_megasas0\_s]

root 390 2 0 Sep24 ? 00:00:00 [ttm\_swap]

root 435 2 0 Sep24 ? 00:12:33 [jbd2/sda3-8]

root 436 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 520 1 0 Sep24 ? 00:08:21 /usr/lib/systemd/systemd-journald

root 531 2 0 Sep24 ? 00:00:00 [rpciod]

root 532 2 0 Sep24 ? 00:00:00 [xprtiod]

root 540 1 0 Sep24 ? 00:00:00 /usr/sbin/lvmetad -f

root 561 1 0 Sep24 ? 00:00:02 /usr/lib/systemd/systemd-udevd

root 668 2 0 Oct09 ? 00:00:00 [kworker/14:2H]

root 1734 2 0 Sep24 ? 00:00:00 [kvm-irqfd-clean]

root 1847 2 0 07:10 ? 00:00:15 [kworker/5:2]

root 1942 2 0 Sep24 ? 00:00:00 [jbd2/sda2-8]

root 1943 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1948 2 0 Sep24 ? 00:00:00 [jbd2/sda1-8]

root 1949 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1955 2 0 Sep24 ? 00:05:15 [jbd2/sda5-8]

root 1956 2 0 Sep24 ? 00:00:00 [ext4-rsv-conver]

root 1978 2 0 Sep24 ? 00:00:08 [kworker/3:1H]

root 1979 2 0 Sep24 ? 00:00:10 [kworker/7:1H]

root 1983 1 0 Sep24 ? 00:01:38 /sbin/auditd

root 1986 1983 0 Sep24 ? 00:02:17 /sbin/audispd

root 1988 1986 0 Sep24 ? 00:01:02 /usr/sbin/sedispatch

libstor+ 2008 1 0 Sep24 ? 00:01:46 /usr/bin/lsmd -d

root 2010 1 0 Sep24 ? 00:01:30 /usr/sbin/sssd -i --logger=files

dbus 2014 1 0 Sep24 ? 00:15:36 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation

chrony 2026 1 0 Sep24 ? 00:00:33 /usr/sbin/chronyd

polkitd 2038 1 0 Sep24 ? 00:04:39 /usr/lib/polkit-1/polkitd --no-debug

root 2053 1 0 Sep24 ? 00:06:44 /opt/dell/srvadmin/sbin/dsm\_sa\_eventmgrd

rtkit 2067 1 0 Sep24 ? 00:05:52 /usr/libexec/rtkit-daemon

root 2069 1 0 Sep24 ? 00:00:45 /usr/sbin/gssproxy -D

root 2071 1 0 Sep24 ? 01:39:05 /usr/sbin/irqbalance --foreground

root 2087 1 0 Sep24 ? 00:39:02 /sbin/rngd -f

root 2098 1 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2099 2098 1 Sep24 ? 12:39:56 /opt/dell/srvadmin/sbin/dsm\_om\_connsvcd -run

root 2105 1 0 Sep24 ? 00:00:00 /usr/sbin/acpid

root 2131 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.gssd

root 2135 1 0 Sep24 ? 00:27:13 /bin/bash /usr/sbin/ksmtuned

root 2211 1 0 Sep24 ? 05:04:53 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

root 2230 2010 0 Sep24 ? 06:29:51 /usr/libexec/sssd/sssd\_be --domain ipa.utdallas.edu --uid 0 --gid 0 --logger=files

root 2439 2010 0 Sep24 ? 01:20:53 /usr/libexec/sssd/sssd\_nss --uid 0 --gid 0 --logger=files

root 2440 2010 0 Sep24 ? 00:17:37 /usr/libexec/sssd/sssd\_pam --uid 0 --gid 0 --logger=files

root 2442 2010 0 Sep24 ? 00:05:11 /usr/libexec/sssd/sssd\_pac --uid 0 --gid 0 --logger=files

root 2443 2010 0 Sep24 ? 00:04:13 /usr/libexec/sssd/sssd\_sudo --uid 0 --gid 0 --logger=files

root 2444 2010 0 Sep24 ? 00:08:14 /usr/libexec/sssd/sssd\_ssh --uid 0 --gid 0 --logger=files

root 2445 2010 0 Sep24 ? 00:04:22 /usr/libexec/sssd/sssd\_autofs --uid 0 --gid 0 --logger=files

root 2465 1 0 Sep24 ? 00:06:07 /usr/lib/systemd/systemd-logind

root 2466 1 0 Sep24 ? 00:09:59 /usr/libexec/accounts-daemon

root 2518 2 0 Sep24 ? 00:00:08 [kworker/1:1H]

root 2566 1 0 Sep24 ? 01:02:25 /usr/sbin/lldpad -t

root 2567 1 0 Sep24 ? 00:42:05 /usr/bin/python2 -Es /usr/sbin/tuned -l -P

root 2569 1 0 Sep24 ? 00:00:38 /usr/sbin/sshd -D

root 2572 1 0 Sep24 ? 00:00:00 /usr/sbin/cupsd -f

root 2573 1 0 Sep24 ? 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid

telegraf 2588 1 8 Sep24 ? 2-15:35:09 /usr/bin/telegraf -config /etc/telegraf/telegraf.conf -config-directory /etc/telegraf/telegra

root 2594 1 0 Sep24 ? 00:23:46 /usr/sbin/rsyslogd -n

root 2595 2 0 Sep24 ? 00:00:10 [kworker/11:1H]

root 2613 1 0 Sep24 ? 00:01:20 /usr/sbin/lightdm

root 2615 1 0 Sep24 ? 00:01:40 /usr/sbin/crond -n

root 2618 1 0 Sep24 ? 00:00:00 /usr/sbin/atd -f

root 2649 2613 0 Sep24 tty1 00:00:00 /usr/bin/X -background none :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt1 -no

root 2662 2 0 Sep24 ? 00:00:10 [kworker/15:1H]

root 2663 2 0 Sep24 ? 00:00:09 [kworker/5:1H]

root 2664 2 0 Sep24 ? 00:00:10 [kworker/9:1H]

root 2665 2 0 Sep24 ? 00:00:10 [kworker/13:1H]

root 2719 1 0 Sep24 ? 00:46:14 /opt/dell/srvadmin/iSM/sbin/dsm\_ism\_srvmgrd

root 2893 2613 0 Sep24 ? 00:00:00 lightdm --session-child 18 21

lightdm 2972 2893 0 Sep24 ? 00:40:40 /usr/sbin/lightdm-gtk-greeter

root 2982 2211 0 Sep24 ? 00:00:00 /opt/dell/srvadmin/sbin/dsm\_sa\_datamgrd

telegraf 3011 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 4 --print-address 6 --session

lightdm 3012 1 0 Sep24 ? 00:00:00 /usr/libexec/at-spi-bus-launcher --launch-immediately

lightdm 3018 1 0 Sep24 ? 00:00:00 dbus-launch --autolaunch=8d19eba0aff440b1a473f9adbfe0aead --binary-syntax --close-stderr

lightdm 3019 1 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --fork --print-pid 5 --print-address 7 --session

lightdm 3022 3012 0 Sep24 ? 00:00:00 /usr/bin/dbus-daemon --config-file=/usr/share/defaults/at-spi2/accessibility.conf --nofork --pr

root 3036 2613 0 Sep24 ? 00:00:00 lightdm --session-child 14 21

colord 3110 1 0 Sep24 ? 00:00:00 /usr/libexec/colord

root 3246 2569 0 Oct19 ? 00:00:00 sshd: sxb027100 [priv]

sxb0271+ 3253 3246 0 Oct19 ? 00:33:05 sshd: sxb027100@pts/1

sxb0271+ 3254 3253 0 Oct19 pts/1 00:00:01 -bash

root 3305 1 7 Sep24 ? 2-10:16:52 /usr/sbin/snmpd -LS0-6d -f

sxb0271+ 3341 3254 0 Oct19 pts/1 00:24:43 ssh enigma

sxb0271+ 3342 3341 0 Oct19 pts/1 00:14:08 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 3686 2569 0 Oct21 ? 00:00:02 sshd: sxb027100 [priv]

sxb0271+ 3704 3686 0 Oct21 ? 00:14:17 sshd: sxb027100@pts/2

sxb0271+ 3705 3704 0 Oct21 pts/2 00:00:00 -bash

rpc 3833 1 0 Sep24 ? 00:01:14 /sbin/rpcbind -w

rpcuser 3839 1 0 Sep24 ? 00:00:00 /usr/sbin/rpc.statd

root 4010 2 0 Sep24 ? 00:00:00 [nfsiod]

root 4023 2 0 Sep24 ? 00:00:00 [nfsv4.1-svc]

root 4888 1 0 Sep24 ? 00:13:33 /usr/libexec/packagekitd

sxb0271+ 8482 3705 0 Oct21 pts/2 00:10:14 ssh enigma

sxb0271+ 8483 8482 0 Oct21 pts/2 00:05:43 /usr/bin/sss\_ssh\_knownhostsproxy -p 22 enigma

root 11027 2 0 Oct23 ? 00:00:08 [kworker/10:2]

root 11319 2 0 Oct23 ? 00:00:02 [kworker/11:0]

root 12273 2 0 Oct23 ? 00:00:02 [kworker/15:1]

root 12626 2 0 Oct22 ? 00:00:27 [kworker/6:1]

root 12983 2 0 Oct23 ? 00:00:07 [kworker/4:0]

root 13168 2 0 Oct23 ? 00:00:07 [kworker/1:0]

root 13375 2 0 Oct23 ? 00:00:06 [kworker/14:1]

root 13977 2 0 Oct23 ? 00:00:06 [kworker/12:1]

root 14555 2 0 Sep24 ? 00:00:00 [lockd]

root 15904 2 0 10:52 ? 00:00:01 [kworker/8:1]

root 19552 2 0 11:49 ? 00:00:02 [kworker/2:2]

root 23303 2 0 Sep25 ? 00:01:00 [kworker/8:2H]

root 23322 2 0 Sep25 ? 00:00:02 [kworker/12:2H]

root 23323 2 0 Sep25 ? 00:06:12 [kworker/10:2H]

root 23361 2 0 Sep25 ? 00:00:00 [kworker/6:2H]

root 23448 2 0 Sep25 ? 00:00:00 [kworker/10:0H]

root 23534 2 0 Sep25 ? 00:06:46 [kworker/4:1H]

root 23557 2 0 Sep25 ? 00:07:04 [kworker/0:1H]

root 26219 2 0 00:40 ? 00:00:01 [kworker/13:0]

root 28661 2 0 Oct03 ? 00:04:28 [kworker/12:0H]

root 29721 1 0 Sep24 ? 00:49:11 /usr/sbin/automount --systemd-service --dont-check-daemon

root 30479 2 0 Oct12 ? 00:00:00 [nfsv4.0-svc]

root 30836 2 0 14:42 ? 00:00:01 [kworker/7:1]

root 32124 2 0 Oct23 ? 00:00:16 [kworker/3:0]

root 32125 2 0 Oct23 ? 00:00:04 [kworker/9:2]

root 32678 2 0 15:10 ? 00:00:00 [kworker/5:0]

root 36467 2 0 16:09 ? 00:00:00 [kworker/2:0]

root 37042 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

root 37063 2569 0 16:17 ? 00:00:00 sshd: tdb200000 [priv]

tdb2000+ 37065 37042 0 16:17 ? 00:00:01 sshd: tdb200000@pts/4

tdb2000+ 37066 37065 0 16:17 pts/4 00:00:01 -bash

tdb2000+ 37081 37063 0 16:17 ? 00:00:00 sshd: tdb200000@notty

tdb2000+ 37082 37081 0 16:17 ? 00:00:00 /usr/libexec/openssh/sftp-server

tdb2000+ 37238 37066 0 16:18 pts/4 00:00:00 vim index.html

root 38992 2 0 16:44 ? 00:00:00 [kworker/u98:0]

root 39285 2 0 16:49 ? 00:00:01 [kworker/0:0]

root 40939 2 0 17:14 ? 00:00:00 [kworker/10:1]

root 41249 2569 0 17:17 ? 00:00:00 sshd: cdc230001 [priv]

root 41328 2569 0 17:18 ? 00:00:00 sshd: cdc230001 [priv]

cdc2300+ 41330 41249 0 17:18 ? 00:00:03 sshd: cdc230001@pts/3

cdc2300+ 41331 41330 0 17:18 pts/3 00:00:00 -bash

root 41390 2 0 17:18 ? 00:00:00 [kworker/8:2]

cdc2300+ 41419 41328 0 17:18 ? 00:00:00 sshd: cdc230001@notty

cdc2300+ 41420 41419 0 17:18 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 41492 2 0 Oct23 ? 00:00:00 [kworker/15:2]

root 41606 2 0 17:19 ? 00:00:00 [kworker/13:1]

root 41723 2569 0 17:20 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41768 41723 0 17:21 ? 00:00:00 sshd: jxn200027@pts/5

root 41769 2569 0 17:21 ? 00:00:00 sshd: jxn200027 [priv]

jxn2000+ 41781 41768 0 17:21 pts/5 00:00:00 -bash

root 41885 2 0 17:21 ? 00:00:00 [kworker/7:2]

jxn2000+ 41895 41769 0 17:21 ? 00:00:00 sshd: jxn200027@notty

jxn2000+ 41896 41895 0 17:21 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42103 2569 0 17:23 ? 00:00:00 sshd: kag210003 [priv]

kag2100+ 42124 42103 0 17:23 ? 00:00:00 sshd: kag210003@pts/6

kag2100+ 42125 42124 0 17:23 pts/6 00:00:00 -bash

root 42162 2 0 17:23 ? 00:00:00 [kworker/11:2]

root 42500 2569 0 17:26 ? 00:00:00 sshd: afb170130 [priv]

root 42535 2569 0 17:27 ? 00:00:00 sshd: afb170130 [priv]

afb1701+ 42537 42500 0 17:27 ? 00:00:00 sshd: afb170130@pts/0

afb1701+ 42538 42537 0 17:27 pts/0 00:00:00 -bash

root 42543 2 0 17:27 ? 00:00:00 [kworker/3:2]

root 42565 2 0 17:27 ? 00:00:00 [kworker/14:2]

afb1701+ 42636 42535 0 17:27 ? 00:00:00 sshd: afb170130@notty

afb1701+ 42637 42636 0 17:27 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 42745 2569 0 17:29 ? 00:00:00 sshd: asr190005 [priv]

asr1900+ 42765 42745 0 17:29 ? 00:00:00 sshd: asr190005@pts/7

asr1900+ 42766 42765 0 17:29 pts/7 00:00:00 -bash

root 43294 2 0 17:36 ? 00:00:00 [kworker/9:0]

root 43394 2 0 Oct22 ? 00:00:00 [kworker/8:1H]

root 44239 2569 0 17:50 ? 00:00:00 sshd: ecw240001 [priv]

ecw2400+ 44278 44239 0 17:50 ? 00:00:00 sshd: ecw240001@pts/9

ecw2400+ 44279 44278 0 17:50 pts/9 00:00:00 -bash

root 44362 2 0 17:50 ? 00:00:00 [kworker/1:1]

root 44454 2 0 17:51 ? 00:00:00 [kworker/12:2]

root 44542 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44564 44542 0 17:53 ? 00:00:01 sshd: txn200004@pts/8

root 44565 2569 0 17:53 ? 00:00:00 sshd: txn200004 [priv]

txn2000+ 44567 44564 0 17:53 pts/8 00:00:01 -bash

txn2000+ 44661 44565 0 17:53 ? 00:00:00 sshd: txn200004@notty

txn2000+ 44662 44661 0 17:53 ? 00:00:00 /usr/libexec/openssh/sftp-server

root 44675 2 0 17:53 ? 00:00:00 [kworker/u96:0]

root 44767 2 0 Oct23 ? 00:00:27 [kworker/2:1H]

root 44770 2 0 17:55 ? 00:00:00 [kworker/0:2]

root 44856 2 0 Oct23 ? 00:00:01 [kworker/u97:3]

root 44909 2 0 17:57 ? 00:00:00 [kworker/6:0]

root 44955 2 0 17:57 ? 00:00:00 [kworker/4:1]

root 45022 2 0 17:58 ? 00:00:00 [kworker/u97:0]

root 45023 2 0 17:58 ? 00:00:00 [kworker/u98:2]

root 45085 2 0 17:59 ? 00:00:00 [kworker/u96:2]

root 45466 2135 0 18:03 ? 00:00:00 sleep 60

root 45504 2 0 18:04 ? 00:00:00 [kworker/3:1]

txn2000+ 45542 44567 0 18:04 pts/8 00:00:00 ./matrix 20 5

txn2000+ 45548 45542 0 18:04 pts/8 00:00:00 sh -c date; hostname; who | grep txn200004 ; ps -eaf; ls -l

txn2000+ 45553 45548 0 18:04 pts/8 00:00:00 ps -eaf

root 45941 2 0 Oct23 ? 00:00:17 [kworker/6:0H]

total 96

-rwx--x--x 1 txn200004 se 13520 Oct 24 18:00 matrix

-rw------- 1 txn200004 se 5404 Oct 24 17:57 matrix0.c

-rw------- 1 txn200004 se 6753 Oct 24 17:59 matrix.c

-rw------- 1 txn200004 se 564 Oct 24 18:04 week10who.txt

{cslinux2:~/week10Lab2} ./matrix 100 10 > matrix100-10.txt

End Lab and Exit

{cslinux2:~/week10Lab2} date

Thu Oct 24 18:05:11 CDT 2024

{cslinux2:~/week10Lab2} uname -a

Linux cslinux2.utdallas.edu 3.10.0-1160.119.1.el7.x86\_64 #1 SMP Tue Jun 4 14:43:51 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux

{cslinux2:~/week10Lab2} ls -l

total 336

-rwx--x--x 1 txn200004 se 13520 Oct 24 18:00 matrix

-rw------- 1 txn200004 se 5404 Oct 24 17:57 matrix0.c

-rw------- 1 txn200004 se 1244534 Oct 24 18:05 matrix100-10.txt

-rw------- 1 txn200004 se 6753 Oct 24 17:59 matrix.c

-rw------- 1 txn200004 se 564 Oct 24 18:05 week10who.txt

{cslinux2:~/week10Lab2} exit

logout

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Session stopped

- Press <Return> to exit tab

- Press R to restart session

- Press S to save terminal output to file