

Τιμές του αρχικού πίνακα (τα δήλωσα στον κώδικα μόνο στο τελευταίο και προτελευταίο παράδειγμα τα έγραψα από το πληκτρολόγιο):

```
{{ -3, 1, 1, 1},  
 { 0, -7, 1, 1},  
 { 1, 4, 6, 1},  
 { 1, 1, 1, 3}};
```

Στο παρακάτω παράδειγμα χρησιμοποιώ 4 διεργασίες :

```
Is the matrix strictly diagonally dominant?  
YES
```

```
The max diagonal value is: 7
```

```
B array [0][0] = 7
```

```
B array [0][1] = 6
```

```
B array [0][2] = 6
```

```
B array [0][3] = 6
```

```
B array [1][0] = 7
```

```
B array [1][1] = 7
```

```
B array [1][2] = 6
```

```
B array [1][3] = 6
```

```
B array [2][0] = 6
```

```
B array [2][1] = 3
```

```
B array [2][2] = 7
```

```
B array [2][3] = 6
```

```
B array [3][0] = 6
```

```
B array [3][1] = 6
```

```
B array [3][2] = 6
```

```
B array [3][3] = 7
```

```
The min value is: 3 at Barray[2][1]
```

Στο παρακάτω παράδειγμα χρησιμοποιώ 2 διεργασίες :

```
Is the matrix strictly diagonally dominant?  
YES  
  
The max diagonal value is: 7  
  
B array [0][0] = 7  
B array [0][1] = 6  
B array [0][2] = 6  
B array [0][3] = 6  
B array [1][0] = 7  
B array [1][1] = 7  
B array [1][2] = 6  
B array [1][3] = 6  
B array [2][0] = 6  
B array [2][1] = 3  
B array [2][2] = 7  
B array [2][3] = 6  
B array [3][0] = 6  
B array [3][1] = 6  
B array [3][2] = 6  
B array [3][3] = 7  
  
The min value is: 3 at Barray[2][1]
```

Τιμές του αρχικού πίνακα :

```
{ {-3, 1, 1},  
  { 0, -5, 4},  
  { 1, 2, 6 }};
```

Στο παρακάτω παράδειγμα χρησιμοποιώ 3 διεργασίες :

```
Is the matrix strictly diagonally dominant?
YES

The max diagonal value is: 6

B array [0][0] = 6
B array [0][1] = 5
B array [0][2] = 5
B array [1][0] = 6
B array [1][1] = 6
B array [1][2] = 2
B array [2][0] = 5
B array [2][1] = 4
B array [2][2] = 6

The min value is: 2 at Barray[1][2]
```

Στο παρακάτω παράδειγμα χρησιμοποιώ 2 διεργασίες :

```
Type the size of the matrix:
2
Type the values of 'A' matrix with dimensions 2x2:
1
Type the values of 'A' matrix with dimensions 2x2:
2
Type the values of 'A' matrix with dimensions 2x2:
12
Type the values of 'A' matrix with dimensions 2x2:
2

Is the matrix strictly diagonally dominant?
NO
```

Στο παρακάτω παράδειγμα χρησιμοποιώ 2 διεργασίες :

```
Type the size of the matrix:
2
Type the values of 'A' matrix with dimensions 2x2:
2
Type the values of 'A' matrix with dimensions 2x2:
1
Type the values of 'A' matrix with dimensions 2x2:
1
Type the values of 'A' matrix with dimensions 2x2:
3

Is the matrix strictly diagonally dominant?
YES

The max diagonal value is: 3

B array [0][0] = 3
B array [0][1] = 2
B array [1][0] = 2
B array [1][1] = 3

The min value is: 2 at Barray[0][1]
```