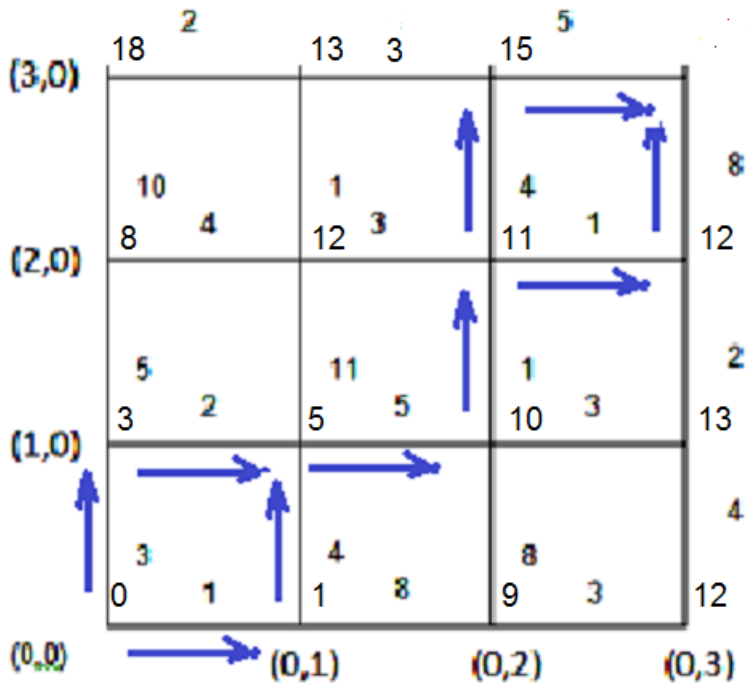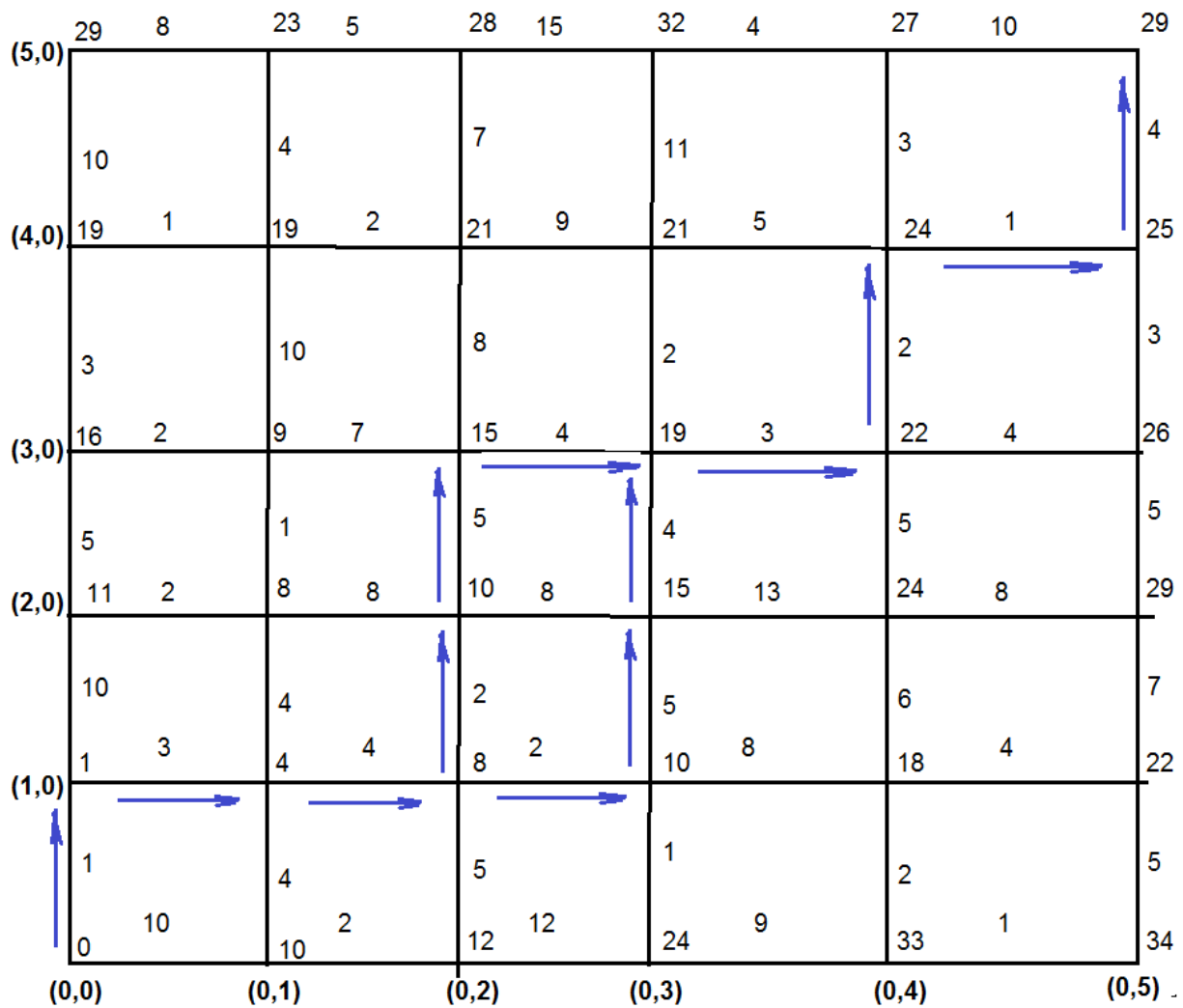סה"כ 10 טסטים , כל טסט 2.5 נקודות

Test1: input A=(1,1), output: true

Test2: input A=(0,0), output: true

Test3: input A=(3,3), output: true

Test4: input A=(3,0), output: false

Test5: input A=(1,3), output: false

29 8 23 5 28 15 32 4 27 10 29

(5,0)

| 10 | 4 | 7 | 11 | 3 | 4 |

(4,0) 19 1 19 2 21 9 21 5 24 1 25

| 3 | 10 | 8 | 2 | 2 | 3 |

(3,0) 16 2 9 7 15 4 19 3 22 4 26

| 5 | 1 | 5 | 4 | 5 | 5 |

(2,0) 11 2 8 8 10 8 15 13 24 8 29

| 10 | 4 | 2 | 5 | 6 | 7 |
| 1 | 4 | 8 | 10| 18| 22|

(1,0)

| 1 | 4 | 5 | 1 | 2 | 5 |
| 0 10 | 10 2 | 12 12 | 24 9 | 33 1 | 34 |

(0,0)   (0,1)   (0,2)   (0,3)   (0,4)   (0,5)

Test6. input A=(1,1),   output: true

Test7. input A=(3,2),   output: true

Test8. input A=(3,3),   output: true

Test9. input A=(4,1),   output: false

Test10. מטריצה 101*101, משקל כל צלע 1
input A=(50,50),   output: true

סה"כ 7 טסטים , כל טסט 5 נקודות

Test1.   input: {1,2,3,4,3,2}
   output: **6**   (כל הסדרה)

Test2.   input: {10,9,4,5,4,8,6}
   output: **3** (10, 9, 8) or (4, 5, 4) or (4, 5, 6)

Test3.   input: {100}
   output: **1**

Test4.   input: {8, 5, 6, 4, 5, 4, 6, 2, 6, 4, 2, 1, 4, 4, 2, 5, 7, 8, 7, 2}
   output: **8** (5, 6,5,4,4,4,4,5)

Test5.   input: {1,2,1}
   output: **3**

Test6.   input:
   {6, 16, 19, 9, 18, 18, 3, 5, 13, 12, 19, 13, 13, 3, 3, 7, 19, 1, 11, 16}
   output: 5 (19, 18, 18, 19, 9)

Test7.   input: {1,2,3, 1,2,3, . . .1,2,3} n=9999 מערך בגודל
   output: **2*n/3+1 = 6667** (1,2,3,2,3,2,3,...2,3}

LIS 10 נק' , 5 טסטים כל טסט 2 נק'

Test_LIS_1. input: {1,11,2,10,4,5,2,1}

output: 4   (1, 2, 4, 5)

Test_LIS_2. input: {8,1,100,101,2,3,4,102,100,101,50};

output: 6 (1,2,3,4,100,101)

Test_LIS_3. input: {0, 1, 101, 9, 10, 11, 2, 3, 100, 4, -1, 5, 6}

output: 7 (0,1,2,3,4,5,6)

Test_LIS_4. input: {1, 2, 9, 13, 15, 17, 24, 26, 35, 37};

output: 10 (כל הסדרה)

Test_LIS_5. input: {1,-1,2,-2,3,-3, . . ., n,-n} , n=1000000

output: n/2 (1,2, . . . ,n)

Test_LDS_1. input: {1,11,2,10,4,5,2,1};
output: 5 (11,10,5,2,1)

Test_LDS_2. input: {8,1,100,101,2,3,4,102,100,101,50};
output: 3 (102, 100, 50)

Test_LDS_3. input: {0, 1, 101, 9, 10, 11, 2, 3, 100, 4, -1, 5, 6}
output: 4 (101,100,4,-1)

Test_LDS_4. input: {1, 2, 9, 13, 15, 17, 24, 26, 35, 37}
output: 1 (סדרה עולה)

Test_LDS_5. input: {1,-1,2,-2,3,-3, . . ., n,-n} , n=1000000
output: n/2+1, (1,-1,-2,-3, . . . ,-n)

Test_LBS_1. input: {1,11,2,10,4,5,2,1};
output: 6 (1, 2, 10, 4, 2, 1)

Test_LBS _2. input: {8,1,100,101,2,3,4,102,100,101,50};
output: 7 (1, 2, 3, 4, 102, 100, 50)

Test_LBS _3. input: {0, 1, 101, 9, 10, 11, 2, 3, 100, 4, -1, 5, 6}
output: 8 (0, 1, 9, 10, 11, 100, 4, -1)

Test_LBS _4. input: {1, 2, 9, 13, 15, 17, 24, 26, 35, 37}
output: 10 (כל הסדרה)

Test_LBS _5. input: {0,1,2,...n/2-1,0,-1,-2,..., -n/2+1 }, n=1000000
output: n (כל הסדרה)