trunction (N): matrix = Os in NXN size if N odd then x, y = (N/2) else x, y = (N/2)-1 matrix[x,4] = 1 //stant with 1. directions: 3(0,1) - right (0,-1) - Ceft (1,0) - down (-1,0) - up direction Inden = 1, steps = 12 loop till matrix. value <= 012 for i = 1 till steps: da, dy = directions 71+= dx, 4+= dy if (x>=0 S < N'8 4>=0'8
'x < N): matria [niy] = matria. matrix. velue ++ change directions

increment steps Relian Matrix print matrin. for the diagnal suns: function (matrix): diagonal-1, diagonal 2 = 0 for i=0 till N-1: diaginal-15= matrix [i][i] diagonal _ 2+= matrix [i][N-1-i] Return diagonal-1, diagonal-2 print digenal-1, diagonal-2