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# -*- coding: utf-8 -*-
"""
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"""

import sys as sys
import random as random
import math as math

def graph_plot(u,v):
    if u==1:
        color='purple'
    elif u==2:
        color='navy'
    elif u==3:
        color='red'
    elif u==4:
        color='green'
    else:
        color='black'
    if abs(u-v)>abs(u+v):
        text='Dimension of matrix N , |E_1-E_2|, b= ' + str(u) + ', ' + str(v) + ', ' + str(u-v)
    else:
        text='Dimension of matrix N , |E_1-E_2|, b= ' + str(u) + ', ' + str(v) + ', ' + str(u+v)

    plt.xlim(u-1,v+1)
    plt.savefig('Q_' + str(u) + '/' + str(v) + '/fig_' + str(u) + '_' + str(v) + '.png')

def y_matrix(u,v):
    import sys as sys
    max_val=100
    min_val=0
    for i in range(100):
        for j in range(100):
            if i==j and j==1:
                continue
            else:
                continue
    return y_matrix

def create_matrix(u,v):

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    for i in range(0, 2):
        if i == 0:
            return -1
        if i == 1:
            return +1
    return 0

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def create_matrix2():
    for i in range(0, 2):
        if i == 0:
            return -1
        if i == 1:
            return +1
    return 0

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def create_matrix3():
    for i in range(0, 2):
        if i == 0:
            return -1
        if i == 1:
            return +1
    return 0

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def create_matrix4():
    for i in range(0, 2):
        if i == 0:
            return -1
        if i == 1:
            return +1
    return 0

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