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


import       as
import                    as
import      as

def graph_plot

    if      1
                                ' '           'purple'           ' '
    elif      2
                                ' '           'navy'           ' '
    elif      3
                                ' '           'red'           ' '
    elif      4
                                ' '           'green'           ' '
    else
                                ' '
    if abs    abs
                'Dimension of matrix N , |E_1-E_2|, b= ' str    ', ' str    ', ' str
    else
                'Dimension of matrix N ,  |E_1-E_2|, b= ' str    ', ' str    ', ' str


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


def y_matrix


    import      as
            max
            min
                        100
              1
    for   in range 100


            0

        for   in
            if         and
                    1
            else
                continue

    return


def create_matrix
```

```
    for   in range 0

        if    0
               -1
        if     -1
               +1
    return

def create_matrix2

    for   in range 0
        if   2    0

        else

        if    0
               -1
        if     -1
               +1
    return

def create_matrix3

    for   in range 0

        if    0
               -1
        if     -1
               +1
          0  -1
           -1 0
    return

def create_matrix4


    for   in range 0
        if   2    0

        else

        if    0
               -1
        if     -1
               +1
          0  -1
           -1 0
    return
```