

```
1 "D:\Studia\Machine Learning\Lab1\venv
  \Scripts\python.exe" "D:/Studia/
  Machine Learning/Lab1/matrix.py"
2 [0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
3 [5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]
4 [10 11 12 13 14 15 16 17 18 19 20 21
   22 23 24 25 26 27 28 29 30 31 32 33
   34 35 36 37 38 39 40 41 42 43 44 45
   46 47 48 49 50]
5
6 [[0 1 2]
7  [3 4 5]
8  [6 7 8]]
9 [[1. 0. 0.]
10 [0. 1. 0.]
11 [0. 0. 1.]]
12 [[2.27431172 6.88502133 6.7830064 ]
13  [4.02887321 4.77828617 0.09824798]
14  [2.16332026 5.84674915 0.90360723]]
15 [[0.01 0.02 0.03 0.04 0.05 0.06 0.07
     0.08 0.09 0.1 ]
16  [0.11 0.12 0.13 0.14 0.15 0.16 0.17
     0.18 0.19 0.2 ]
17  [0.21 0.22 0.23 0.24 0.25 0.26 0.27
     0.28 0.29 0.3 ]
18  [0.31 0.32 0.33 0.34 0.35 0.36 0.37
     0.38 0.39 0.4 ]
19  [0.41 0.42 0.43 0.44 0.45 0.46 0.47
     0.48 0.49 0.5 ]
20  [0.51 0.52 0.53 0.54 0.55 0.56 0.57
     0.58 0.59 0.6 ]
```

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21  [0.61 0.62 0.63 0.64 0.65 0.66 0.67
    0.68 0.69 0.7 ]
22  [0.71 0.72 0.73 0.74 0.75 0.76 0.77
    0.78 0.79 0.8 ]
23  [0.81 0.82 0.83 0.84 0.85 0.86 0.87
    0.88 0.89 0.9 ]
24  [0.91 0.92 0.93 0.94 0.95 0.96 0.97
    0.98 0.99 1.  ]]
25  [0.          0.05263158 0.10526316 0.
    15789474 0.21052632 0.26315789
26  0.31578947 0.36842105 0.42105263 0.
    47368421 0.52631579 0.57894737
27  0.63157895 0.68421053 0.73684211 0.
    78947368 0.84210526 0.89473684
28  0.94736842 1.          ]
29  [25 23 13 13 13  2 17 15 20  6 23 20
    17  2 13 13 12 19 15 16  7  4 22 13
30  8]
31  [[25 23 13 13 13]
32  [ 2 17 15 20  6]
33  [23 20 17  2 13]
34  [13 12 19 15 16]
35  [ 7  4 22 13  8]]
36  351
37  14.04
38  6.371687374628482
39  [87 60 75 75 54]
40  [[19 79 93 91 17]
41  [83 68 80 69 36]
42  [46  9 71  1 99]

```

```
43 [76 48 56 1 87]
44 [92 53 47 40 9]]
45 56.0
46 1
47 99
48 [[56 69 9]
49 [22 13 68]
50 [56 27 2]
51 [ 3 89 31]
52 [12 41 81]
53 [85 16 73]
54 [39 93 2]
55 [82 45 55]
56 [55 1 77]
57 [ 0 7 54]
58 [22 83 11]
59 [74 78 99]
60 [14 13 65]
61 [49 12 48]
62 [20 48 12]
63 [21 89 15]
64 [60 19 74]
65 [80 34 51]]]
66 [[56 22 56 3 12 85 39 82 55 0 22 74
    14 49 20 21 60 80]
67 [69 13 27 89 41 16 93 45 1 7 83 78
    13 12 48 89 19 34]
68 [ 9 68 2 31 81 73 2 55 77 54 11 99
    65 48 12 15 74 51]]]
69 [[124 152 104 45]
```

```
70  [118 103 117 123]
71  [ 81 143 163  83]
72  [ 95  60 157 108]]
73 Matrix 1 [[14782 11469 11458]
74  [15315 14353 18195]
75  [11283 11077  9883]]
76 Matrix 2 [[14782 11469 11458]
77  [15315 14353 18195]
78  [11283 11077  9883]]
79
80 Process finished with exit code 0
81
```