```
> KoxaFunction:= proc(t,n)
  qq:=k*T-trunc(k*T):
  if n=0 then
  return()
  fi:
  KoxaFunction(qq,n-1):


  end proc:
> N:=100:
  for i from 1 to N-1 do
  print(i,4*i-N*trunc(4*i/N),abs(i-4*i+N*trunc(4*i/N)));
  if 4*(4*i-N*trunc(4*i/N))-N*trunc(4*(4*i-N*trunc(4*i/N))/N)=i
  then
  print("aaaaaaa"):
  fi:


  end do:
```

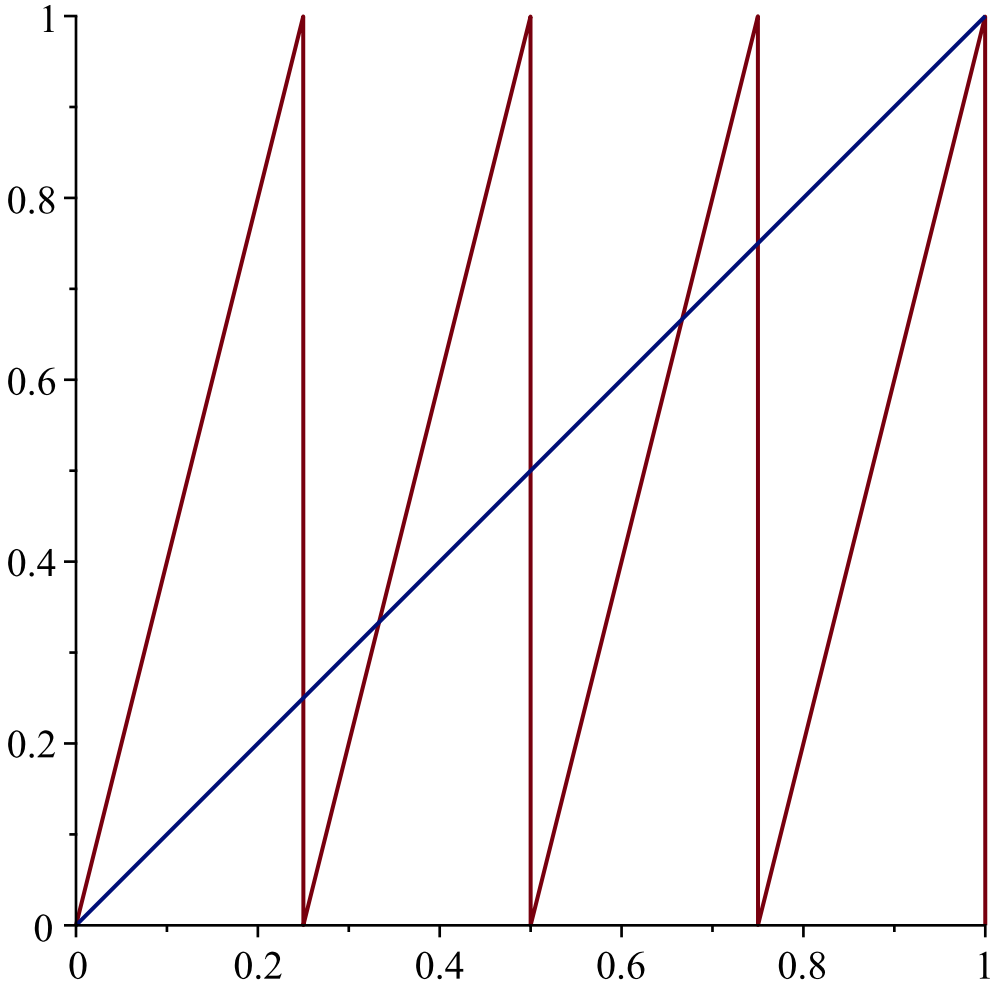
1, 4, 3
2, 8, 6
3, 12, 9
4, 16, 12
5, 20, 15
6, 24, 18
7, 28, 21
8, 32, 24
9, 36, 27
10, 40, 30
11, 44, 33
12, 48, 36
13, 52, 39
14, 56, 42
15, 60, 45
16, 64, 48
17, 68, 51
18, 72, 54
19, 76, 57
20, 80, 60
"aaaaaaa"
21, 84, 63
22, 88, 66
23, 92, 69
24, 96, 72
25, 0, 25
26, 4, 22
27, 8, 19

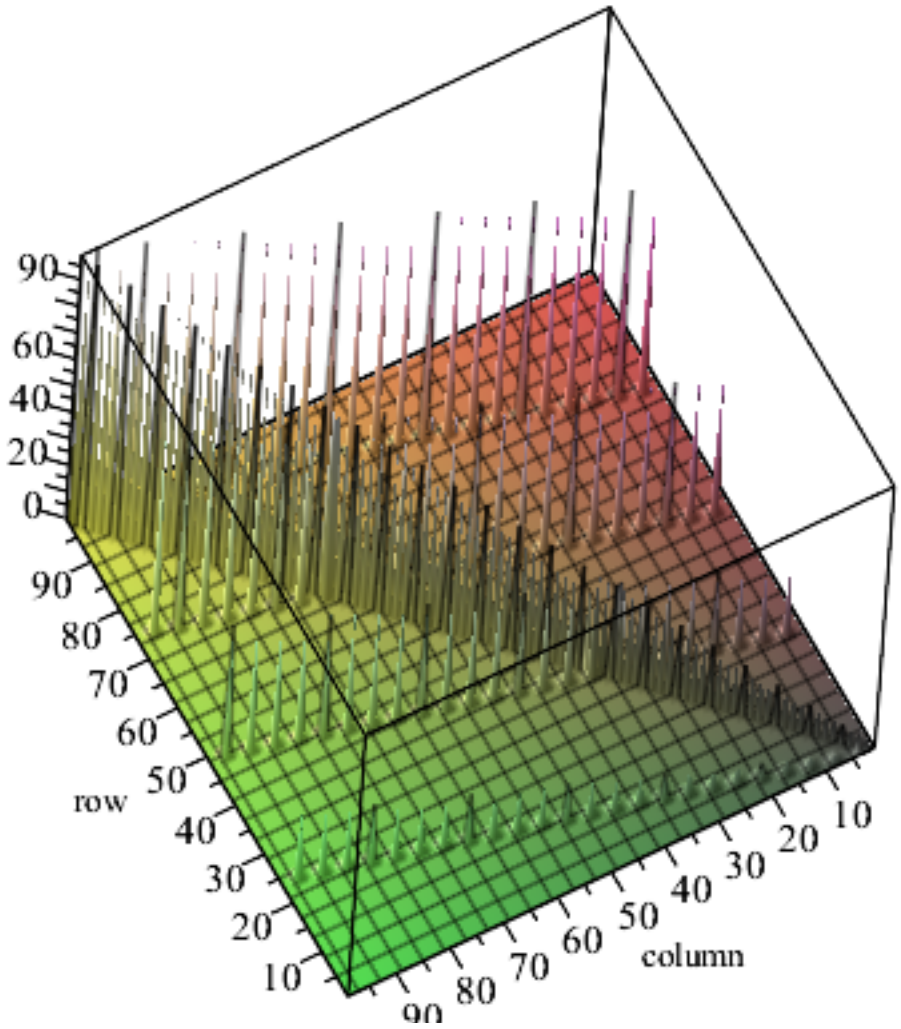
28, 12, 16
29, 16, 13
30, 20, 10
31, 24, 7
32, 28, 4
33, 32, 1
34, 36, 2
35, 40, 5
36, 44, 8
37, 48, 11
38, 52, 14
39, 56, 17
40, 60, 20
"aaaaaaa"
41, 64, 23
42, 68, 26
43, 72, 29
44, 76, 32
45, 80, 35
46, 84, 38
47, 88, 41
48, 92, 44
49, 96, 47
50, 0, 50
51, 4, 47
52, 8, 44
53, 12, 41
54, 16, 38
55, 20, 35
56, 24, 32
57, 28, 29
58, 32, 26
59, 36, 23
60, 40, 20
"aaaaaaa"
61, 44, 17
62, 48, 14
63, 52, 11
64, 56, 8
65, 60, 5
66, 64, 2
67, 68, 1

68, 72, 4
69, 76, 7
70, 80, 10
71, 84, 13
72, 88, 16
73, 92, 19
74, 96, 22
75, 0, 75
76, 4, 72
77, 8, 69
78, 12, 66
79, 16, 63
80, 20, 60
"aaaaaaa"
81, 24, 57
82, 28, 54
83, 32, 51
84, 36, 48
85, 40, 45
86, 44, 42
87, 48, 39
88, 52, 36
89, 56, 33
90, 60, 30
91, 64, 27
92, 68, 24
93, 72, 21
94, 76, 18
95, 80, 15
96, 84, 12
97, 88, 9
98, 92, 6
99, 96, 3 **(1)**

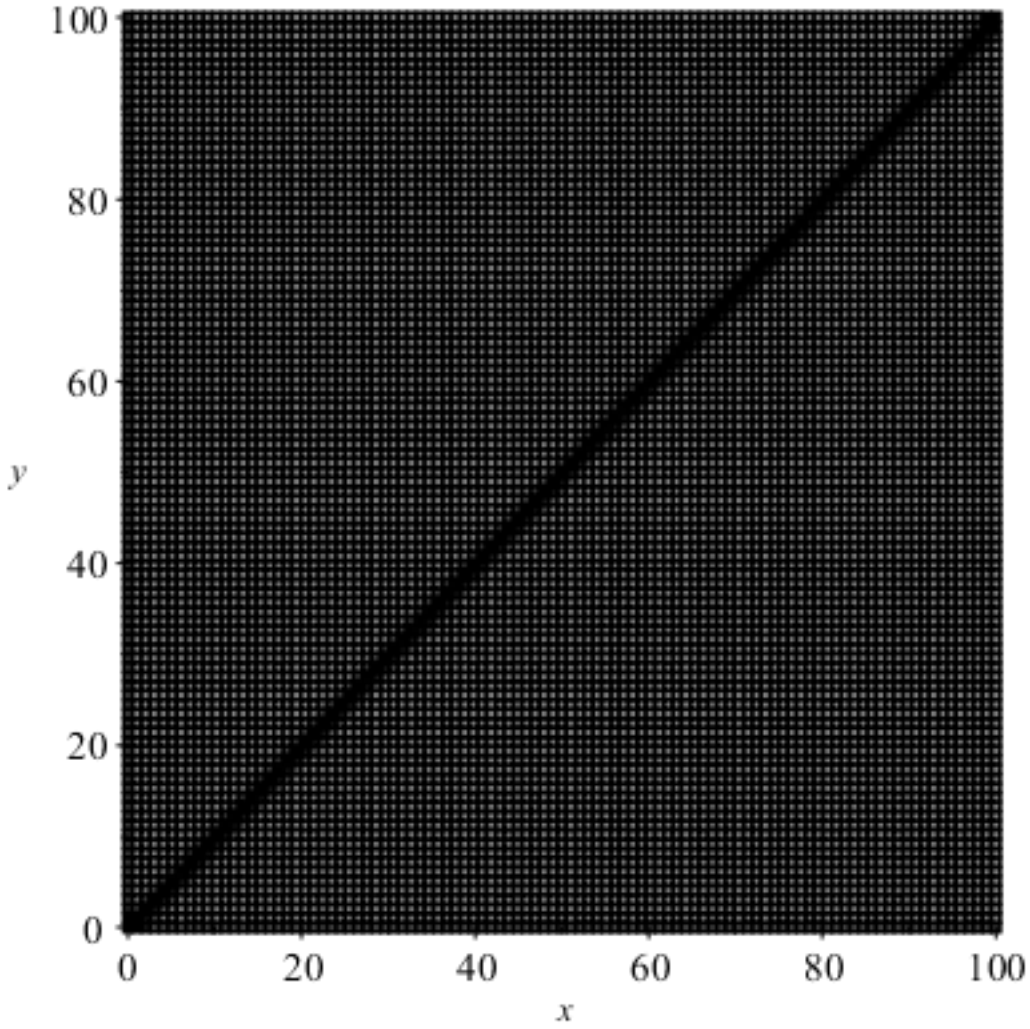
```
> plot([[t,4*t-trunc(4*t),t=0..1],[t,t,t=0..1]]);
  with(plots):
  with(LinearAlgebra):

  for i from 1 to N do
            for j from 1 to N do
            a[i,j]:=0:
            a[i,i]:=i:
            a[i,4*i-N*trunc(4*i/N)]:=i:

            end do:
  end do:
```

```
A:=Matrix([seq([seq(a[i,j],j=1..N-1)],i=1..N-1)]):
matrixplot(A, axes = boxed)
```






```
> densityplot(Heaviside(y-x-1)-Heaviside(y-x)+Heaviside(y-x-1)-
  Heaviside(y-x),x= 0 .. N, y=0 .. N, grid = [100, 100],colorscheme
  = ["white", "black"])
```


100
80
60
40
20
0
y
0
20
40
60
80
100
x

>

>

>