Test Cases

Test Case 1:

10x10
OBS(3,4)
OBS(5,7)
net1(1,1,2)(2,3,5)(1,5,1)
net2(2,1,2)(1,3,5)
net3(1,1,5)(2,3,1)(2,5,5)(1,2,2)

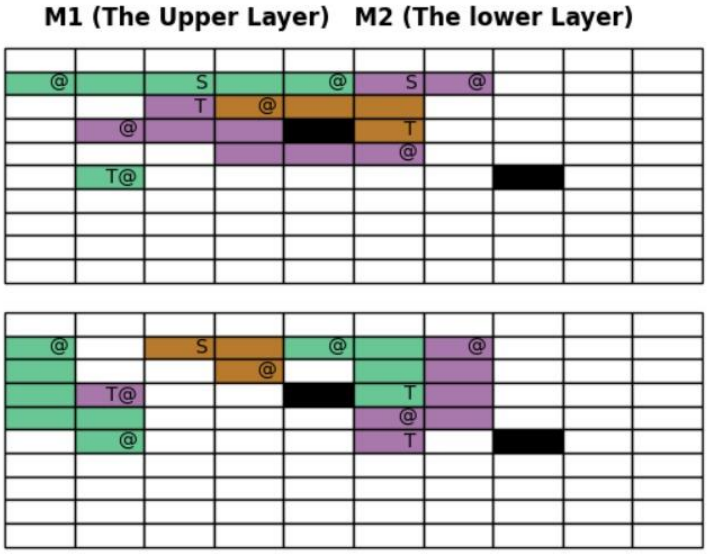
Output for test case 1:

net2(2,1,2)(2,1,3)(2,2,3)(1,2,3)(1,2,4)(1,2,5)(1,3,5)

net3(1,1,5)(1,1,6)(2,1,6)(2,2,6)(2,3,6)(2,4,6)(2,4,5)(2,5,5)(1,4,5)(1,4,4)(1,4,3)(1,3,3)(1,3,2)(1,3,1)(2,3,1)(1,2,2)

net1(1,1,2)(1,1,3)(1,1,4)(2,1,4)(2,1,5)(2,2,5)(2,3,5)(1,1,1)(1,1,0)(2,1,0)(2,2,0)(2,3,0)(2,4,0)(2,4,1)(2,5,1)(1,5,1)

Visualization for test case 1:



Test Case 2:

5x5
OBS(4,4)
OBS(3,3)
net1(1,1,2)(2,3,4)(1,4,1)
net2(1,0,4)(1,2,3)
net3(1,3,4)(1,2,1)(1,1,1)(1,4,0)

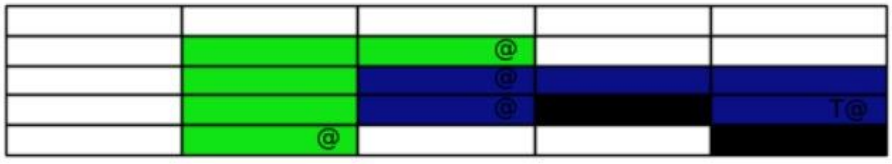
Output for test case 2:

net1(1,1,2)(2,1,2)(2,1,1)(2,2,1)(2,3,1)(2,4,1)(1,4,1)

net2(1,0,4)(1,1,4)(1,2,4)(1,2,3)

net3(1,3,4)(2,3,4)(2,2,4)(2,2,3)(2,2,2)(1,2,2)(1,2,1)(1,1,1)(2,3,2)(1,3,2)(1,3,1)(1,3,0)(1,4,0)

Visualization for test case 1:



Test Case 3:

7x7
OBS(3,4)
OBS(5,6)
OBS(1,2)
net1(1,0,2)(2,4,5)(1,5,1)
net2(2,1,0)(1,6,3)
net3(1,1,5)(2,3,1)(2,4,3)

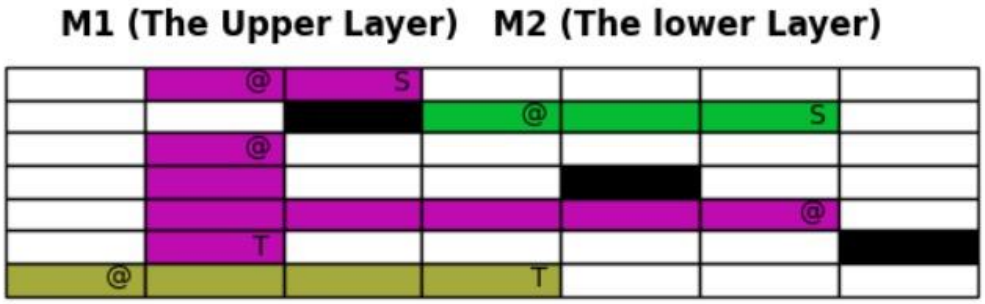
Output for test case 3:

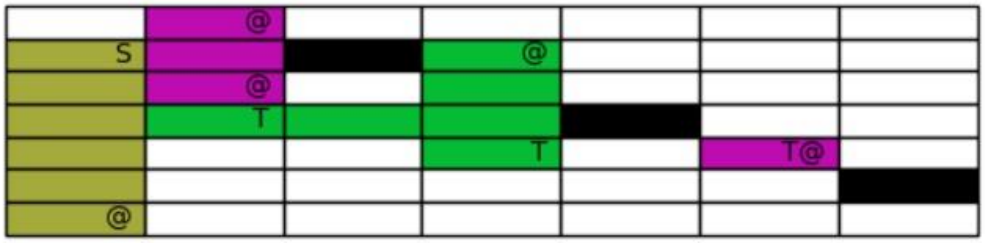
net3(1,1,5)(1,1,4)(1,1,3)(2,1,3)(2,2,3)(2,3,3)(2,4,3)(2,3,2)(2,3,1)

net1(1,0,2)(1,0,1)(2,0,1)(2,1,1)(2,2,1)(1,2,1)(1,3,1)(1,4,1)(1,5,1)(1,4,2)(1,4,3)(1,4,4)(1,4,5)(2,4,5)

net2(2,1,0)(2,2,0)(2,3,0)(2,4,0)(2,5,0)(2,6,0)(1,6,0)(1,6,1)(1,6,2)(1,6,3)

Visualization for test case 3:





Test Case 4:

14x14
OBS(3,2)
OBS(5,7)
OBS(3,11)
OBS(9,10)
OBS(11,5)
net1(1,6,4)(2,11,10)(1,7,1)
net2(2,13,1)(1,7,4)
net3(1,13,11)(2,9,5)(2,6 ,11)(1,2,2)
net4(1,7,11)(2,4,5)(2,1,11)(1,12,12)

Output for test case 4:

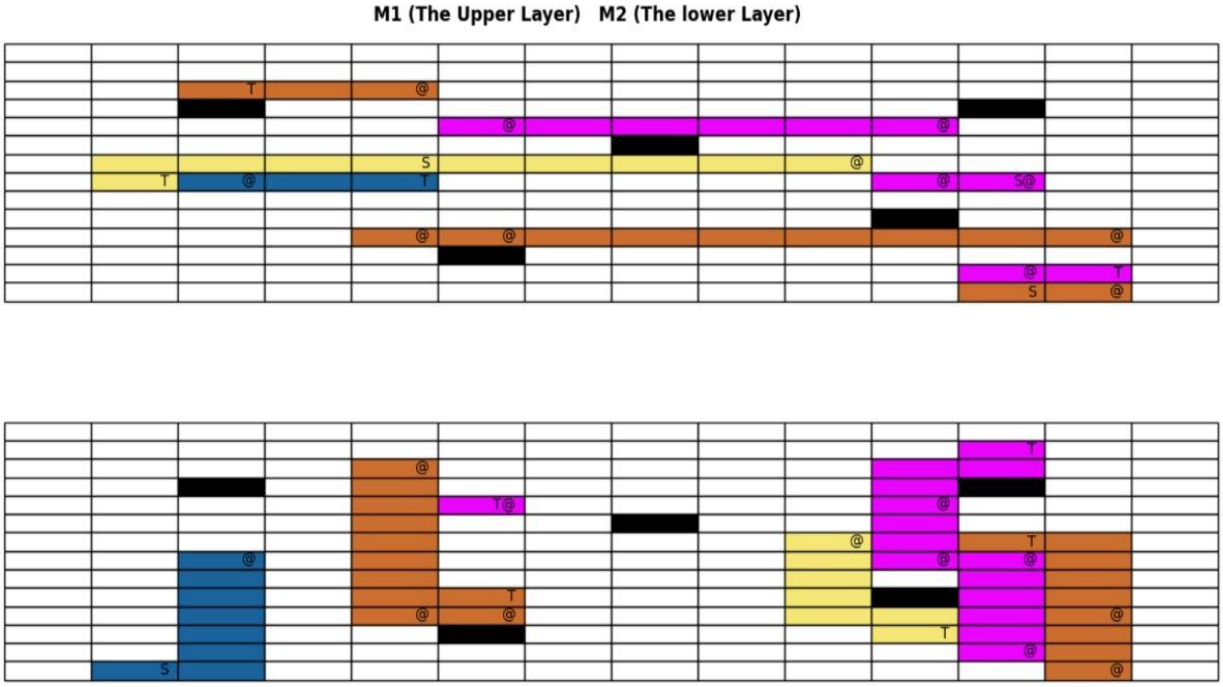
net2(2,13,1)(2,13,2)(2,12,2)(2,11,2)(2,10,2)(2,9,2)(2,8,2)(2,7,2)(1,7,2)(1,7,3)(1,7,4)

net1(1,6,4)(1,6,3)(1,6,2)(1,6,1)(1,7,1)(1,6,5)(1,6,6)(1,6,7)(1,6,8)(1,6,9)(2,6,9)(2,7,9)(2,8,9)(2,9,9)(2,10,9)(2,10,10)(2,11,10)

net4(1,7,11)(2,7,11)(2,8,11)(2,9,11)(2,10,11)(2,11,11)(2,12,11)(1,12,11)(1,12,12)(1,7,10)(2,7,10)(2,6,10)(2,5,10)(2,4,10)(2,3,10)(2,2,10)(2,2,11)(2,1,11)(1,4,10)(1,4,9)(1,4,8)(1,4,7)(1,4,6)(1,4,5)(2,4,5)

net3(1,13,11)(1,13,12)(2,13,12)(2,12,12)(2,11,12)(2,10,12)(2,9,12)(2,8,12)(2,7,12)(2,6,12)(2,6,11)(1,10,12)(1,10,11)(1,10,10)(1,10,9)(1,10,8)(1,10,7)(1,10,6)(1,10,5)(2,10,5)(2,9,5)(1,10,4)(2,10,4)(2,9,4)(2,8,4)(2,7,4)(2,6,4)(2,5,4)(2,4,4)(2,3,4)(2,2,4)(1,2,4)(1,2,3)(1,2,2)

Visualization for test case 3:



Test Case 5:

11x9
OBS(9,8)
OBS(5,3)
net1(1,4,5)(2,10,7)(1,7,5)
net2(2,7,1)(1,2,5)
net3(1,2,0)(2,4,1)(2,5,8)(1,8,3)
net4(1,1,4)(1,6,6)(2,5,4)(1,3,3)
net5(1,1,1)(2,6,0)(2,7,7)(1,3,7)

Output for test case 5:

net1(1,4,5)(2,4,5)(2,5,5)(2,6,5)(2,7,5)(1,7,5)(1,7,6)(2,7,6)(2,8,6)(2,9,6)(2,10,6)(2,10,7)

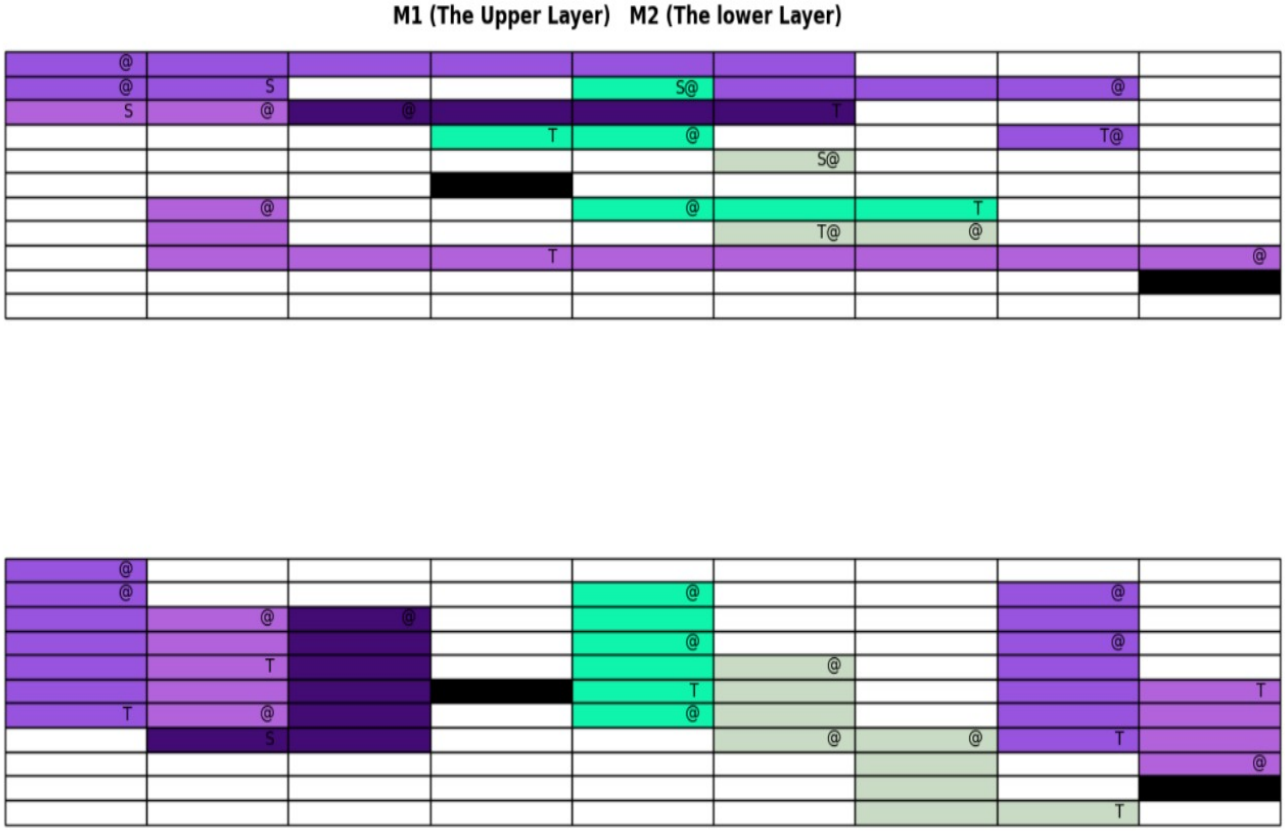
net2(2,7,1)(2,7,2)(2,6,2)(2,5,2)(2,4,2)(2,3,2)(2,2,2)(1,2,2)(1,2,3)(1,2,4)(1,2,5)

net4(1,1,4)(2,1,4)(2,2,4)(2,3,4)(1,3,4)(1,3,3)(2,4,4)(2,5,4)(2,6,4)(1,6,4)(1,6,5)(1,6,6)

net5(1,1,1)(1,1,0)(2,1,0)(2,2,0)(2,3,0)(2,4,0)(2,5,0)(2,6,0)(2,0,0)(1,0,0)(1,0,1)(1,0,2)(1,0,3)(1,0,4)(1,0,5)(1,1,5)(1,1,6)(1,1,7)(2,1,7)(2,2,7)(2,3,7)(1,3,7)(2,4,7)(2,5,7)(2,6,7)(2,7,7)

net3(1,2,0)(1,2,1)(2,2,1)(2,3,1)(2,4,1)(2,5,1)(2,6,1)(1,6,1)(1,7,1)(1,8,1)(1,8,2)(1,8,3)(1,8,4)(1,8,5)(1,8,6)(1,8,7)(1,8,8)(2,8,8)(2,7,8)(2,6,8)(2,5,8)

Visualization for test case 5:



Test Case 6:

30x30
OBS(23,0)
OBS(24,14)
net1(1,11,12)(2,3,25)(1,15,10)
net2(2,11,12)(1,13,25)
net3(1,16,10)(2,23,3)(2,10,11)(1,21,0)
net4 (1,1,4)(1,6,6)(2,5,4)(1,3,3)
net5(1,9,5)(2,8,2)(2,3,5)(1,1,3)
net6(1,1,5)(2,3,1)(2,5,5)(1,2,2)

Output for test case 6:

net2(2,11,12)(1,13,25)(2,11,12)(2,12,12)(2,13,12)(1,13,12)(1,13,13)(1,13,14)(1,13,15)(1,13,16)(1,13,17)(1,13,18)(1,13,19)(1,13,20)(1,13,21)(1,13,22)(1,13,23)(1,13,24)(1,13,25)

net3(1,16,10)(2,23,3)(2,10,11)(1,21,0)(1,16,10)(1,16,11)(2,16,11)(2,15,11)(2,14,11)(2,13,11)(2,12,11)(2,11,11)(2,10,11)(1,16,9)(1,16,8)(1,16,7)(1,16,6)(1,16,5)(1,16,4)(1,16,3)(1,16,2)(1,16,1)(2,16,1)(2,17,1)(2,18,1)(2,19,1)(2,20,1)(2,21,1)(1,21,1)(1,21,0)(1,21,2)(1,21,3)(2,21,3)(2,22,3)(2,23,3)

net6(1,1,5)(2,3,1)(2,5,5)(1,2,2)(1,1,5)(1,2,5)(1,2,4)(1,2,3)(1,2,2)(1,2,1)(2,2,1)(2,3,1)(1,2,6)(2,2,6)(2,3,6)(2,4,6)(2,5,6)(2,5,5)

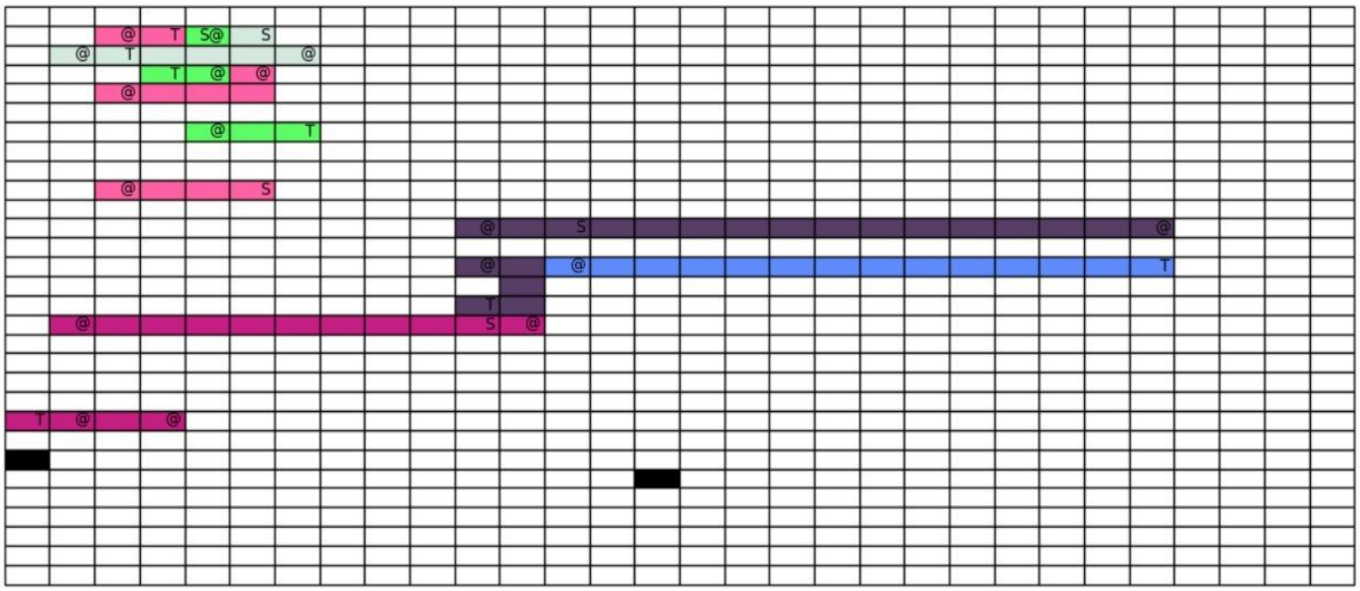
net1(1,11,12)(2,3,25)(1,15,10)(1,11,12)(1,11,11)(1,11,10)(2,11,10)(2,12,10)(2,13,10)(1,13,10)(1,13,11)(1,14,11)(1,15,11)(1,15,10)(1,11,13)(1,11,14)(1,11,15)(1,11,16)(1,11,17)(1,11,18)(1,11,19)(1,11,20)(1,11,21)(1,11,22)(1,11,23)(1,11,24)(1,11,25)(2,11,25)(2,10,25)(2,9,25)(2,8,25)(2,7,25)(2,6,25)(2,5,25)(2,4,25)(2,3,25)

net4(1,1,4)(2,1,4)(2,2,4)(2,3,4)(2,4,4)(2,5,4)(1,3,4)(1,3,3)(2,6,4)(1,6,4)(1,6,5)(1,6,6)

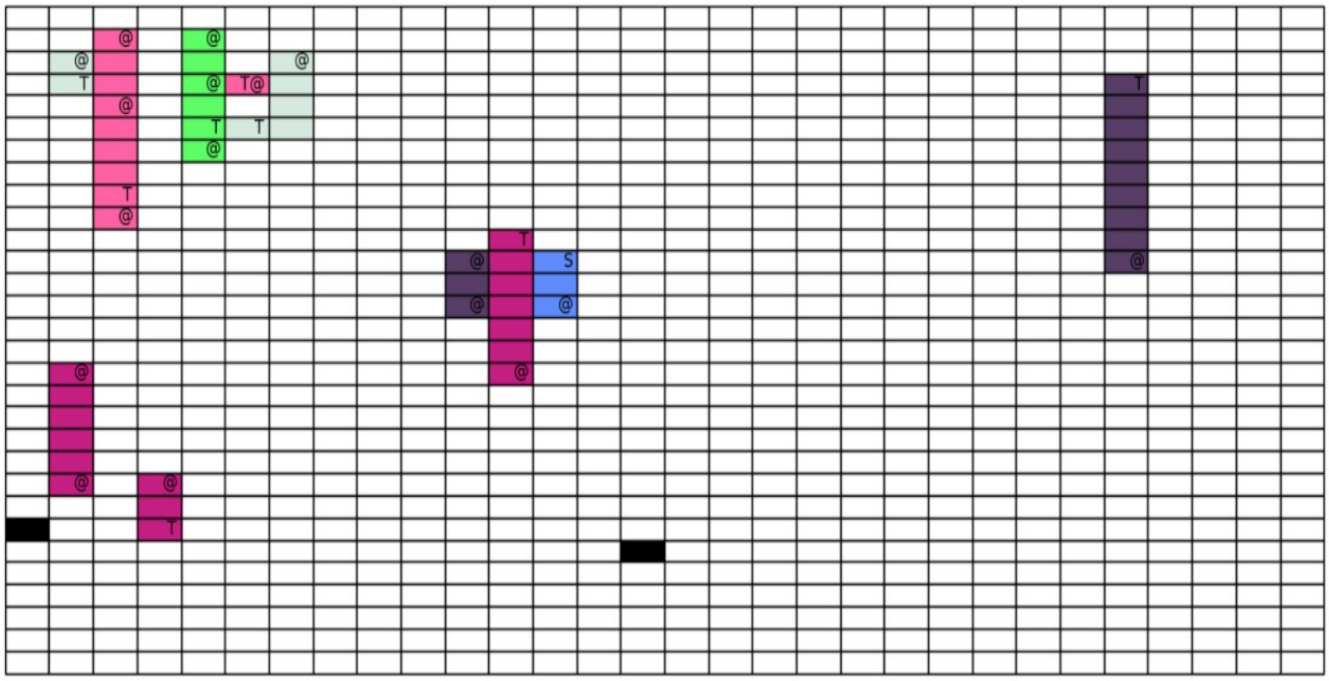
net5(1,9,5)(2,8,2)(2,3,5)(1,1,3)(1,9,5)(1,9,4)(1,9,3)(1,9,2)(2,9,2)(2,8,2)(2,7,2)(2,6,2)(2,5,2)(2,4,2)(1,4,2)(1,4,3)(1,4,4)(1,4,5)(1,3,5)(2,3,5)(2,3,2)(2,2,2)(2,1,2)(1,1,2)(1,1,3)

Visualization for test case 6:

M1



M2



Test Case 7:

10x10
OBS(3,4)
OBS(5,6)
OBS(1,2)
net1(1,0,2)(2,4,5)(1,5,1)
net2(2,1,0)(1,3,7)
net3(1,1,5)(2,3,1)(2,7,5)(1,7,3)

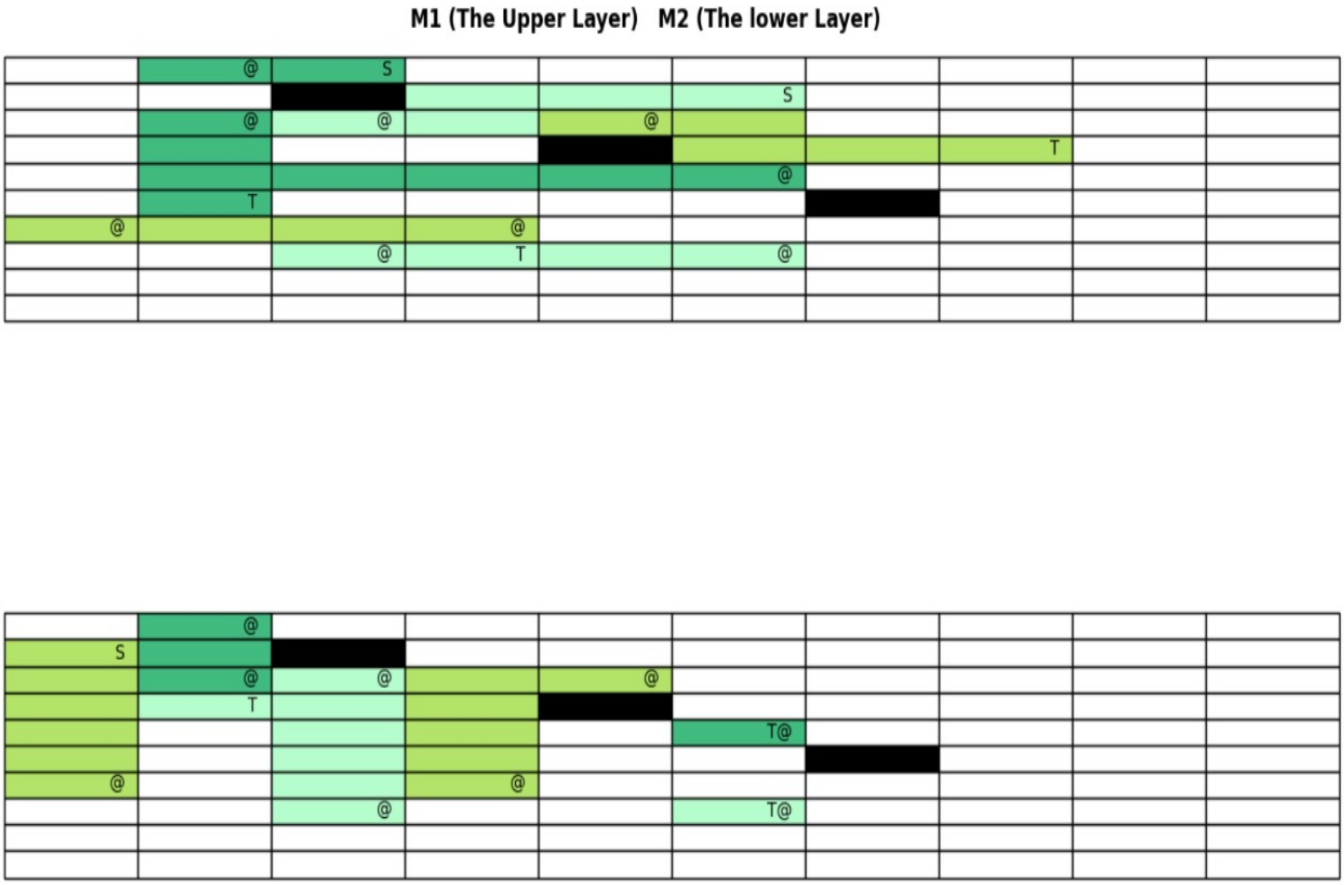
Output for test case 7:

net1(1,0,2)(1,0,1)(2,0,1)(2,1,1)(2,2,1)(1,2,1)(1,3,1)(1,4,1)(1,5,1)(1,4,2)(1,4,3)(1,4,4)(1,4,5)(2,4,5)

net2(2,1,0)(2,2,0)(2,3,0)(2,4,0)(2,5,0)(2,6,0)(1,6,0)(1,6,1)(1,6,2)(1,6,3)(2,6,3)(2,5,3)(2,4,3)(2,3,3)(2,2,3)(2,2,4)(1,2,4)(1,2,5)(1,3,5)(1,3,6)(1,3,7)

net3(1,1,5)(1,1,4)(1,1,3)(1,2,3)(1,2,2)(2,2,2)(2,3,2)(2,3,1)(2,4,2)(2,5,2)(2,6,2)(2,7,2)(1,7,2)(1,7,3)(1,7,4)(1,7,5)(2,7,5)

Visualization for test case 7:



Test Case 8:

20x20
OBS(19,2)
OBS(6,10)
OBS(3,11)
OBS(9,10)
OBS(11,5)
net1(1,3,7)(2,5,6)(1,6,8)
net2(2,13,8)(1,10,4)
net3(2,5,12)(2,8,7)(2,4,2)(1,11,6)
net4(1,13,13)(2,18,1)(2,19,0)(1,5,19)
net5(1,9,5)(2,8,2)(2,3,5)(1,1,3)
net6(1,1,5)(2,3,1)(2,5,5)(1,2,2)

Output for test case 8:

net1(1,3,7)(1,3,6)(2,3,6)(2,4,6)(2,5,6)(2,6,6)(1,6,6)(1,6,7)(1,6,8)

net5(1,9,5)(1,9,4)(1,9,3)(1,9,2)(2,9,2)(2,8,2)(2,9,4)(2,8,4)(2,7,4)(2,6,4)(2,5,4)(2,4,4)(2,3,4)(2,3,5)(2,2,4)(2,1,4)(1,1,4)(1,1,3)

net2(2,13,8)(2,12,8)(2,11,8)(2,10,8)(1,10,8)(1,10,7)(1,10,6)(1,10,5)(1,10,4)

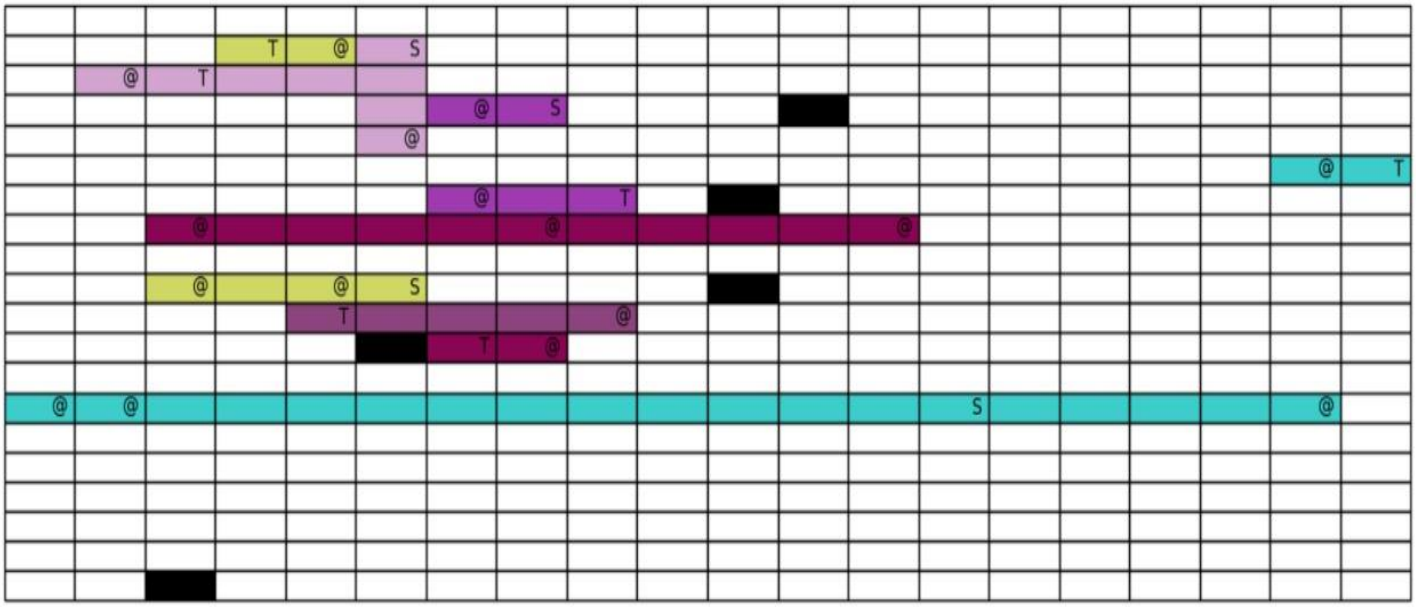
net6(1,1,5)(1,2,5)(1,2,4)(1,2,3)(1,2,2)(1,2,1)(2,2,1)(2,3,1)(1,3,5)(1,4,5)(2,4,5)(2,5,5)

net3(2,5,12)(2,6,12)(2,7,12)(1,7,12)(1,7,11)(1,7,10)(1,7,9)(1,7,8)(1,7,7)(2,7,7)(2,8,7)(2,9,7)(2,10,7)(2,11,7)(1,11,7)(1,11,6)(1,7,6)(1,7,5)(1,7,4)(1,7,3)(1,7,2)(2,7,2)(2,6,2)(2,5,2)(2,4,2)

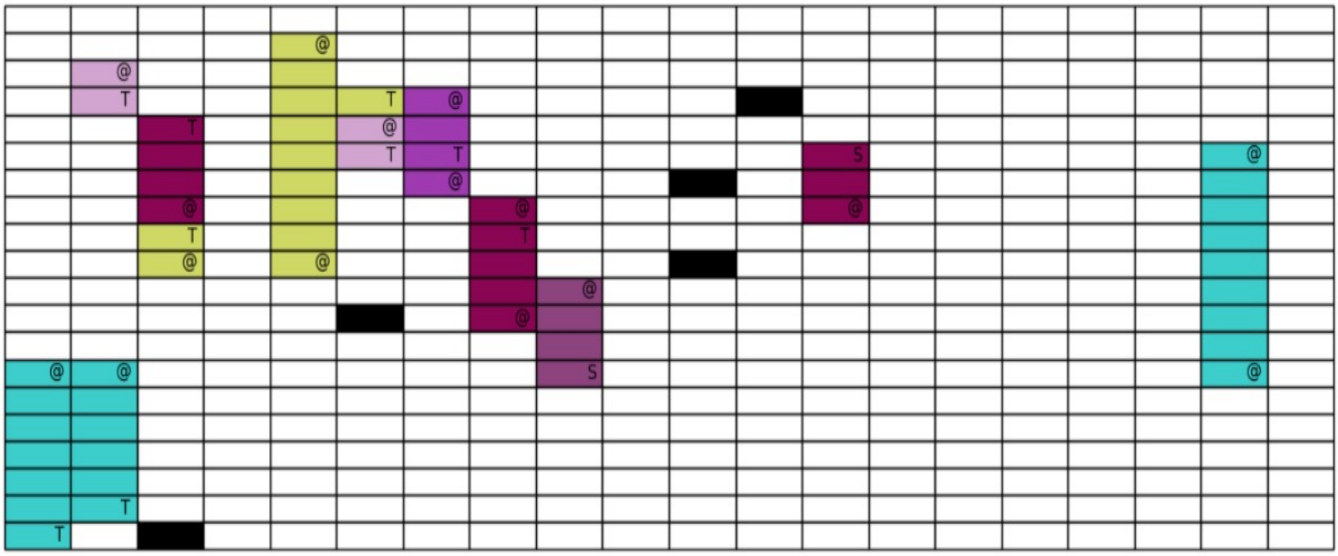
net4(1,13,13)(1,13,14)(1,13,15)(1,13,16)(1,13,17)(1,13,18)(2,13,18)(2,12,18)(2,11,18)(2,10,18)(2,9,18)(2,8,18)(2,7,18)(2,6,18)(2,5,18)(1,5,18)(1,5,19)(1,13,12)(1,13,11)(1,13,10)(1,13,9)(1,13,8)(1,13,7)(1,13,6)(1,13,5)(1,13,4)(1,13,3)(1,13,2)(1,13,1)(2,13,1)(2,14,1)(2,15,1)(2,16,1)(2,17,1)(2,18,1)(1,13,0)(2,13,0)(2,14,0)(2,15,0)(2,16,0)(2,17,0)(2,18,0)(2,19,0)

Visualization for test case 8:

M1



M2



Test case 9

50x50
OBS(30,40)
OBS(10,17)
OBS(20,27)
OBS(35,47)
OBS(26,5)
OBS(21,14)
OBS (11,19)
OBS(41,7)
OBS(45,4)
OBS(15,27)
OBS(19,2)
OBS(6,10)
OBS(3,11)
OBS(9,10)
OBS(11,5)
net1(1,11,22)(2,33,15)(1,49,1)
net2(2,10,12)(1,41,30)
net3(2,9,20)(1,16,17)
net4(1,44,15)(2,35,11)(2,10,15)(1,12,0)
net5(1,15,2)(2,13,9)(2,16,5)(1,21,2)
net6(1,32,25)(2,43,11)(2,5,19)(1,2,2)
net7(1,14,15)(2,22,8)(2,4,5)(1,10,2)
net8(1,0,5)(2,30,11)(2,7,5)(1,12,2)
net9(1,6,5)(2,33,1)(2,5,5)(1,29,20)
net10(1,36,5)(2,3,1)(2,5,44)(1,29,20)
net11(1,6,5)(2,33,1)(2,5,5)(1,29,20)
net12(1,6,5)(2,33,1)(2,5,5)(1,29,20)
net13(1,6,5)(2,33,1)(2,5,5)(1,29,20)
net14(1,6,5)(2,33,1)(2,5,5)(1,29,20)
net15(1,6,5)(2,33,1)(2,5,5)(1,29,20)

Output for test case 9:

net3(2,9,20)(2,10,20)(2,11,20)(2,12,20)(2,13,20)(2,14,20)(2,15,20)(2,16,20)(1,16,20)(1,16,19)(1,16,18)(1,16,17)

net5(1,15,2)(1,15,3)(1,15,4)(1,15,5)(2,15,5)(2,16,5)(2,15,2)(2,16,2)(2,17,2)(2,18,2)(2,19,2)(2,20,2)(2,21,2)(1,21,2)(1,15,6)(1,15,7)(1,15,8)(1,15,9)(2,15,9)(2,14,9)(2,13,9)

net2(2,10,12)(2,11,12)(2,12,12)(2,13,12)(2,14,12)(2,15,12)(2,16,12)(2,17,12)(2,18,12)(2,19,12)(2,20,12)(2,21,12)(2,22,12)(2,23,12)(2,24,12)(2,25,12)(2,26,12)(2,27,12)(2,28,12)(2,29,12)(2,30,12)(2,31,12)(2,32,12)(2,33,12)(2,34,12)(2,35,12)(2,36,12)(2,37,12)(2,38,12)(2,39,12)(2,40,12)(2,41,12)(1,41,12)(1,41,13)(1,41,14)(1,41,15)(1,41,16)(1,41,17)(1,41,18)(1,41,19)(1,41,20)(1,41,21)(1,41,22)(1,41,23)(1,41,24)(1,41,25)(1,41,26)(1,41,27)(1,41,28)(1,41,29)(1,41,30)

net7(1,14,15)(1,14,14)(1,14,13)(1,14,12)(1,14,11)(1,14,10)(1,14,9)(1,14,8)(2,14,8)(2,15,8)(2,16,8)(2,17,8)(2,18,8)(2,19,8)(2,20,8)(2,21,8)(2,22,8)(1,14,7)(1,14,6)(1,14,5)(1,14,4)(1,14,3)(1,14,2)(2,14,2)(2,13,2)(2,12,2)(2,11,2)(2,10,2)(1,10,2)(1,10,3)(1,10,4)(2,10,4)(2,9,4)(2,8,4)(2,7,4)(2,6,4)(2,5,4)(2,4,4)(2,4,5)

net8(1,0,5)(1,0,6)(2,0,6)(2,1,6)(2,2,6)(2,3,6)(2,4,6)(2,5,6)(2,6,6)(2,6,5)(2,7,5)(2,8,5)(2,9,5)(2,10,5)(2,11,5)(2,12,5)(1,12,5)(1,12,4)(1,12,3)(1,12,2)(1,12,6)(1,12,7)(1,12,8)(1,12,9)(1,12,10)(1,12,11)(2,12,11)(2,13,11)(2,14,11)(2,15,11)(2,16,11)(2,17,11)(2,18,11)(2,19,11)(2,20,11)(2,21,11)(2,22,11)(2,23,11)(2,24,11)(2,25,11)(2,26,11)(2,27,11)(2,28,11)(2,29,11)(2,30,11)

net4(1,44,15)(1,44,14)(1,44,13)(1,44,12)(2,44,12)(2,43,12)(2,42,12)(2,42,11)(2,41,11)(2,40,11)(2,39,11)(2,38,11)(2,37,11)(2,36,11)(2,35,11)(2,34,11)(2,33,11)(2,32,11)(1,32,11)(1,32,12)(1,32,13)(1,32,14)(1,32,15)(2,32,15)(2,31,15)(2,30,15)(2,29,15)(2,28,15)(2,27,15)(2,26,15)(2,25,15)(2,24,15)(2,23,15)(2,22,15)(2,21,15)(2,20,15)(2,19,15)(2,18,15)(2,17,15)(2,16,15)(2,15,15)(2,14,15)(2,13,15)(2,12,15)(2,11,15)(2,10,15)(1,13,15)(1,13,14)(1,13,13)(1,13,12)(1,13,11)(1,13,10)(1,13,9)(1,13,8)(1,13,7)(1,13,6)(1,13,5)(1,13,4)(1,13,3)(1,13,2)(1,13,1)(1,12,1)(1,12,0)

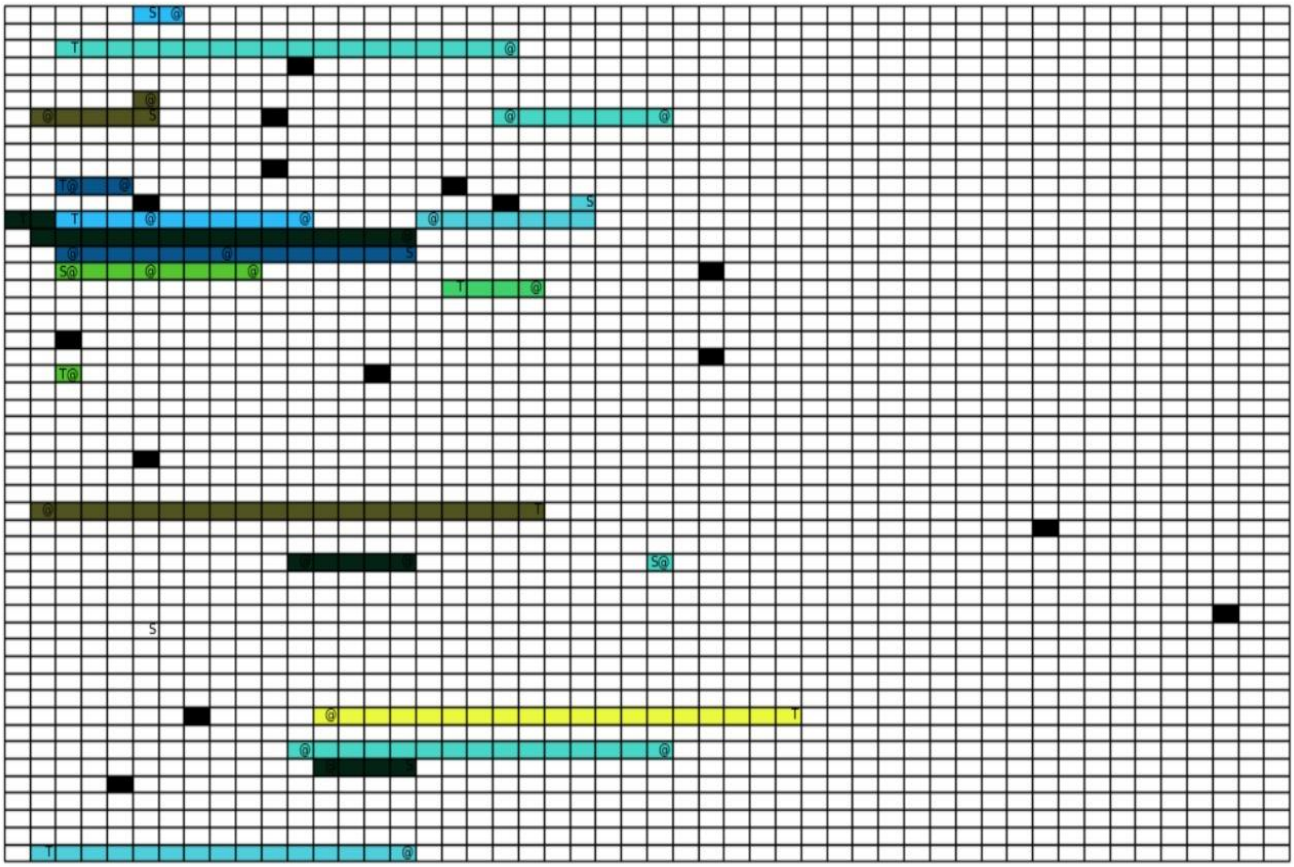
net1(1,11,22)(1,12,22)(1,12,21)(1,12,20)(1,12,19)(1,12,18)(1,12,17)(1,12,16)(2,12,16)(2,13,16)(2,14,16)(2,15,16)(2,16,16)(2,17,16)(2,18,16)(2,19,16)(2,20,16)(2,21,16)(2,22,16)(2,23,16)(2,24,16)(2,25,16)(2,26,16)(2,27,16)(2,28,16)(2,29,16)(2,30,16)(2,31,16)(2,32,16)(2,33,16)(2,33,15)(2,34,15)(2,35,15)(2,36,15)(2,37,15)(2,38,15)(2,39,15)(2,40,15)(2,41,15)(2,42,15)(2,43,15)(2,44,15)(2,45,15)(2,46,15)(2,47,15)(2,48,15)(2,49,15)(1,49,15)(1,49,14)(1,49,13)(1,49,12)(1,49,11)(1,49,10)(1,49,9)(1,49,8)(1,49,7)(1,49,6)(1,49,5)(1,49,4)(1,49,3)(1,49,2)(1,49,1)

net9(1,6,5)(1,5,5)(2,5,5)(1,6,4)(1,6,3)(1,6,2)(1,6,1)(2,6,1)(2,7,1)(2,8,1)(2,9,1)(2,10,1)(2,11,1)(2,12,1)(2,13,1)(2,14,1)(2,15,1)(2,16,1)(2,17,1)(2,18,1)(2,19,1)(2,20,1)(2,21,1)(2,22,1)(2,23,1)(2,24,1)(2,25,1)(2,26,1)(2,27,1)(2,28,1)(2,29,1)(2,30,1)(2,31,1)(2,32,1)(2,33,1)(1,29,1)(1,29,2)(1,29,3)(1,29,4)(1,29,5)(1,29,6)(1,29,7)(1,29,8)(1,29,9)(1,29,10)(1,29,11)(1,29,12)(1,29,13)(1,29,14)(1,29,15)(1,29,16)(1,29,17)(1,29,18)(1,29,19)(1,29,20)

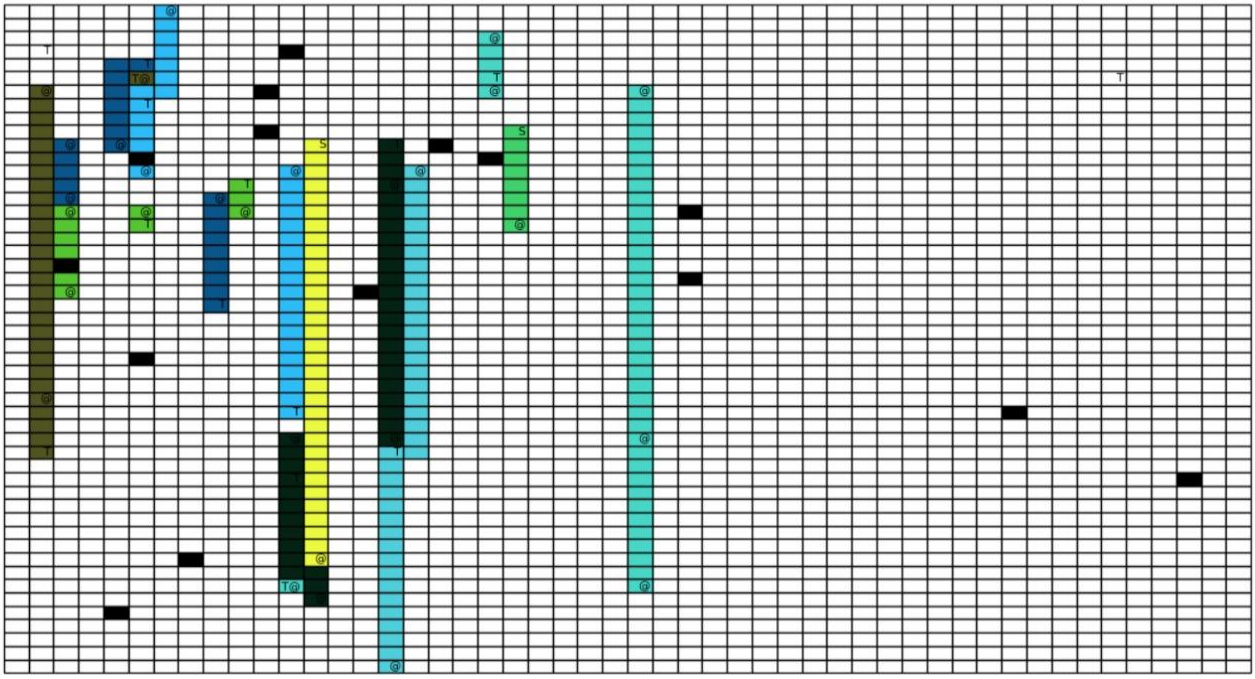
net6(1,32,25)(2,32,25)(2,33,25)(2,34,25)(2,35,25)(2,36,25)(2,37,25)(2,38,25)(2,39,25)(2,40,25)(2,41,25)(2,42,25)(2,43,25)(1,43,25)(1,43,24)(1,43,23)(1,43,22)(1,43,21)(1,43,20)(1,43,19)(1,43,18)(1,43,17)(1,43,16)(1,43,15)(1,43,14)(1,43,13)(1,43,12)(1,43,11)(2,43,11)(2,31,25)(2,30,25)(2,29,25)(2,28,25)(2,27,25)(2,26,25)(2,25,25)(2,24,25)(2,23,25)(2,22,25)(2,21,25)(2,20,25)(2,19,25)(2,18,25)(2,17,25)(2,16,25)(2,15,25)(2,14,25)(2,13,25)(2,12,25)(2,11,25)(2,10,25)(2,9,25)(2,8,25)(2,7,25)(2,6,25)(1,6,25)(1,6,24)(1,6,23)(1,6,22)(1,6,21)(1,6,20)(1,6,19)(2,6,19)(2,5,19)(2,4,19)(2,3,19)(2,2,19)(1,2,19)(1,2,18)(1,2,17)(1,2,16)(1,2,15)(1,2,14)(1,2,13)(1,2,12)(1,2,11)(1,2,10)(1,2,9)(1,2,8)(1,2,7)(1,2,6)(1,2,5)(1,2,4)(1,2,3)(1,2,2)

Visualization for test case 9:

M1



M2



Test case 10

100x200
OBS(30,40)
OBS(3,4)
OBS(5,7)
OBS(10,17)
OBS(20,27)
OBS(35,47)
OBS(26,5)
OBS(21,14)
OBS(11,19)
OBS(41,7)
OBS(45,4)
OBS(15,27)
net1(1,11,22)(2,33,15)(1,49,1)
net2(2,99,12)(1,87,30)(1,55,68)
net3(2,78,31)(1,17,96)(1,32,25)
net4(1,14,15)(2,22,8)(2,64,5)
net5(1,0,59)(2,30,11)(2,79,50)

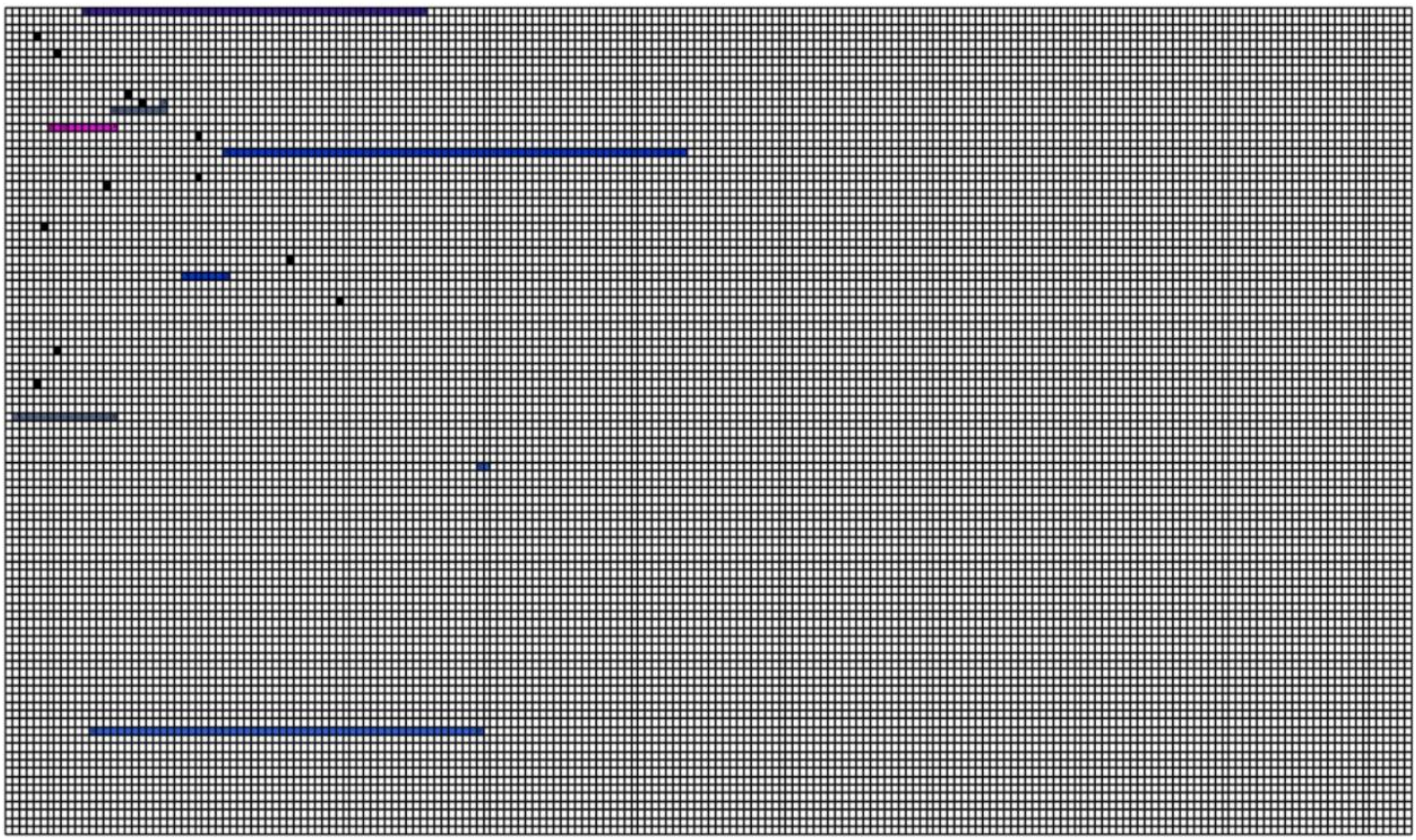
Output for test case 10:

net3(2,78,31)(2,77,31)(2,76,31)(2,75,31)(2,74,31)(2,73,31)(2,72,31)(2,71,31)(2,70,31)(2,69,31)(2,68,31)(2,67,31)(2,66,31)(2,65,31)(2,64,31)(2,63,31)(2,62,31)(2,61,31)(2,60,31)(2,59,31)(2,58,31)(2,57,31)(2,56,31)(2,55,31)(2,54,31)(2,53,31)(2,52,31)(2,51,31)(2,50,31)(2,49,31)(2,48,31)(2,47,31)(2,46,31)(2,45,31)(2,44,31)(2,43,31)(2,42,31)(2,41,31)(2,40,31)(2,39,31)(2,38,31)(2,37,31)(2,36,31)(2,35,31)(2,34,31)(2,33,31)(2,32,31)(1,32,31)(1,32,30)(1,32,29)(1,32,28)(1,32,27)(1,32,26)(1,32,25)(2,31,31)(2,30,31)(2,29,31)(2,28,31)(2,27,31)(2,26,31)(2,25,31)(2,24,31)(2,23,31)(2,22,31)(2,21,31)(2,20,31)(2,19,31)(2,18,31)(2,17,31)(1,17,31)(1,17,32)(1,17,33)(1,17,34)(1,17,35)(1,17,36)(1,17,37)(1,17,38)(1,17,39)(1,17,40)(1,17,41)(1,17,42)(1,17,43)(1,17,44)(1,17,45)(1,17,46)(1,17,47)(1,17,48)(1,17,49)(1,17,50)(1,17,51)(1,17,52)(1,17,53)(1,17,54)(1,17,55)(1,17,56)(1,17,57)(1,17,58)(1,17,59)(1,17,60)(1,17,61)(1,17,62)(1,17,63)(1,17,64)(1,17,65)(1,17,66)(1,17,67)(1,17,68)(1,17,69)(1,17,70)(1,17,71)(1,17,72)(1,17,73)(1,17,74)(1,17,75)(1,17,76)(1,17,77)(1,17,78)(1,17,79)(1,17,80)(1,17,81)(1,17,82)(1,17,83)(1,17,84)(1,17,85)(1,17,86)(1,17,87)(1,17,88)(1,17,89)(1,17,90)(1,17,91)(1,17,92)(1,17,93)(1,17,94)(1,17,95)(1,17,96)
net4(1,14,15)(1,14,14)(1,14,13)(1,14,12)(1,14,11)(1,14,10)(1,14,9)(1,14,8)(2,14,8)(2,15,8)(2,16,8)(2,17,8)(2,18,8)(2,19,8)(2,20,8)(2,21,8)(2,22,8)(1,14,7)(1,14,6)(2,14,6)(2,15,6)(2,16,6)(2,17,6)(2,18,6)(2,19,6)(2,20,6)(2,21,6)(2,22,6)(2,23,6)(2,24,6)(2,25,6)(2,26,6)(2,27,6)(2,28,6)(2,29,6)(2,30,6)(2,31,6)(2,32,6)(2,33,6)(2,34,6)(2,35,6)(2,36,6)(2,37,6)(2,38,6)(2,39,6)(2,40,6)(2,41,6)(2,42,6)(2,43,6)(2,44,6)(2,45,6)(2,46,6)(2,47,6)(2,48,6)(2,49,6)(2,50,6)(2,51,6)(2,52,6)(2,53,6)(2,54,6)(2,55,6)(2,56,6)(2,57,6)(2,58,6)(2,59,6)(2,60,6)(2,61,6)(2,62,6)(2,63,6)(2,63,5)(2,64,5)
net2(2,99,12)(2,98,12)(2,97,12)(2,96,12)(2,95,12)(2,94,12)(2,93,12)(2,92,12)(2,91,12)(2,90,12)(2,89,12)(2,88,12)(2,87,12)(1,87,12)(1,87,13)(1,87,14)(1,87,15)(1,87,16)(1,87,17)(1,87,18)(1,87,19)(1,87,20)(1,87,21)(1,87,22)(1,87,23)(1,87,24)(1,87,25)(1,87,26)(1,87,27)(1,87,28)(1,87,29)(1,87,30)(1,87,31)(1,87,32)(1,87,33)(1,87,34)(1,87,35)(1,87,36)(1,87,37)(1,87,38)(1,87,39)(1,87,40)(1,87,41)(1,87,42)(1,87,43)(1,87,44)(1,87,45)(1,87,46)(1,8

7,47)(1,87,48)(1,87,49)(1,87,50)(1,87,51)(1,87,52)(1,87,53)(1,87,54)(1,87,55)(1,87,56)(1,87,57)(1,87,58)(1,87,59)(1,87,60)(1,87,61)(1,87,62)(1,87,63)(1,87,64)(1,87,65)(1,87,66)(1,87,67)(2,87,67)(2,86,67)(2,85,67)(2,84,67)(2,83,67)(2,82,67)(2,81,67)(2,80,67)(2,79,67)(2,78,67)(2,77,67)(2,76,67)(2,75,67)(2,74,67)(2,73,67)(2,72,67)(2,71,67)(2,70,67)(2,69,67)(2,68,67)(2,67,67)(2,66,67)(2,65,67)(2,64,67)(2,63,67)(2,62,67)(2,61,67)(2,60,67)(2,59,67)(2,58,67)(2,57,67)(2,56,67)(2,55,67)(1,55,67)(1,55,68)
net1(1,11,22)(1,12,22)(1,12,21)(1,12,20)(1,12,19)(1,12,18)(1,12,17)(1,12,16)(1,12,15)(2,12,15)(2,13,15)(2,14,15)(2,15,15)(2,16,15)(2,17,15)(2,18,15)(2,19,15)(2,20,15)(2,21,15)(2,22,15)(2,23,15)(2,24,15)(2,25,15)(2,26,15)(2,27,15)(2,28,15)(2,29,15)(2,30,15)(2,31,15)(2,32,15)(2,33,15)(2,34,15)(2,35,15)(2,36,15)(2,37,15)(2,38,15)(2,39,15)(2,40,15)(2,41,15)(2,42,15)(2,43,15)(2,44,15)(2,45,15)(2,46,15)(2,47,15)(2,48,15)(2,49,15)(1,49,15)(1,49,14)(1,49,13)(1,49,12)(1,49,11)(1,49,10)(1,49,9)(1,49,8)(1,49,7)(1,49,6)(1,49,5)(1,49,4)(1,49,3)(1,49,2)(1,49,1)
net5(1,0,59)(1,0,58)(1,0,57)(1,0,56)(1,0,55)(1,0,54)(1,0,53)(1,0,52)(1,0,51)(1,0,50)(1,0,49)(1,0,48)(1,0,47)(1,0,46)(1,0,45)(1,0,44)(1,0,43)(1,0,42)(1,0,41)(1,0,40)(1,0,39)(1,0,38)(1,0,37)(1,0,36)(1,0,35)(1,0,34)(1,0,33)(1,0,32)(1,0,31)(1,0,30)(1,0,29)(1,0,28)(1,0,27)(1,0,26)(1,0,25)(1,0,24)(1,0,23)(1,0,22)(1,0,21)(1,0,20)(1,0,19)(1,0,18)(1,0,17)(1,0,16)(1,0,15)(1,0,14)(1,0,13)(1,0,12)(1,0,11)(2,0,11)(2,1,11)(2,2,11)(2,3,11)(2,4,11)(2,5,11)(2,6,11)(2,7,11)(2,8,11)(2,9,11)(2,10,11)(2,11,11)(2,12,11)(2,13,11)(2,14,11)(2,15,11)(2,16,11)(2,17,11)(2,18,11)(2,19,11)(2,20,11)(2,21,11)(2,22,11)(2,23,11)(2,24,11)(2,25,11)(2,26,11)(2,27,11)(2,28,11)(2,29,11)(2,30,11)(2,0,50)(2,1,50)(2,2,50)(2,3,50)(2,4,50)(2,5,50)(2,6,50)(2,7,50)(2,8,50)(2,9,50)(2,10,50)(2,11,50)(2,12,50)(2,13,50)(2,14,50)(2,15,50)(2,16,50)(2,17,50)(2,18,50)(2,19,50)(2,20,50)(2,21,50)(2,22,50)(2,23,50)(2,24,50)(2,25,50)(2,26,50)(2,27,50)(2,28,50)(2,29,50)(2,30,50)(2,31,50)(2,32,50)(2,33,50)(2,34,50)(2,35,50)(2,36,50)(2,37,50)(2,38,50)(2,39,50)(2,40,50)(2,41,50)(2,42,50)(2,43,50)(2,44,50)(2,45,50)(2,46,50)(2,47,50)(2,48,50)(2,49,50)(2,50,50)(2,51,50)(2,52,50)(2,53,50)(2,54,50)(2,55,50)(2,56,50)(2,57,50)(2,58,50)(2,59,50)(2,60,50)(2,61,50)(2,62,50)(2,63,50)(2,64,50)(2,65,50)(2,66,50)(2,67,50)(2,68,50)(2,69,50)(2,70,50)(2,71,50)(2,72,50)(2,73,50)(2,74,50)(2,75,50)(2,76,50)(2,77,50)(2,78,50)(2,79,50)

Visualization for test case 10:

M1



M2