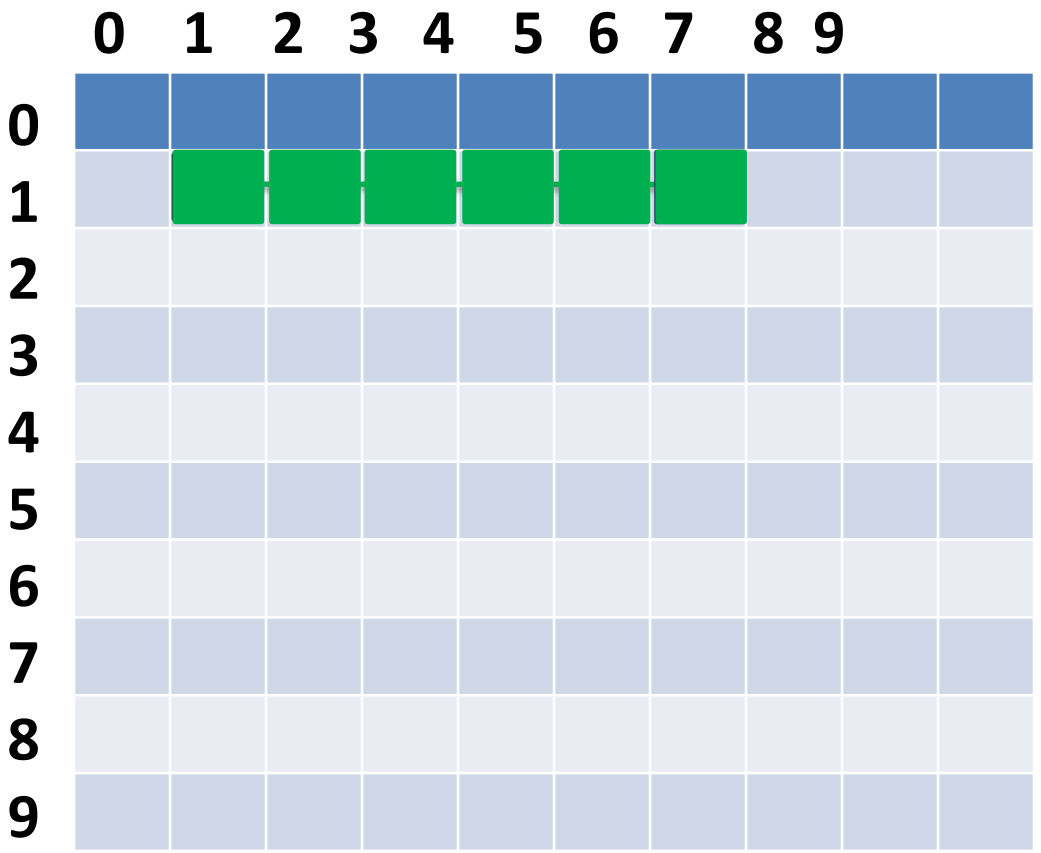
COMPUTER GRAPHICS

(E2UC402B)

Prof. (Dr) Sanjeev Punia

Line: (1,1) to (6,1)

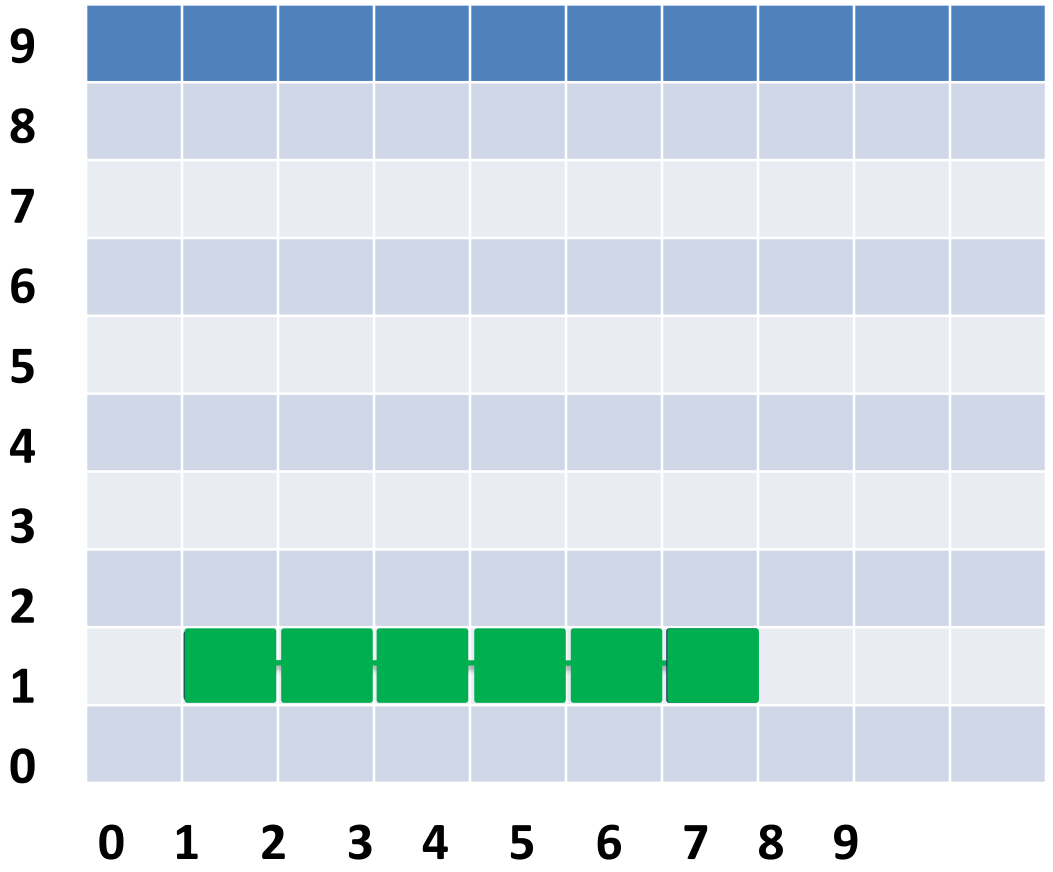
m = 0



Display Screen

Line: (1,1) to (6,1)

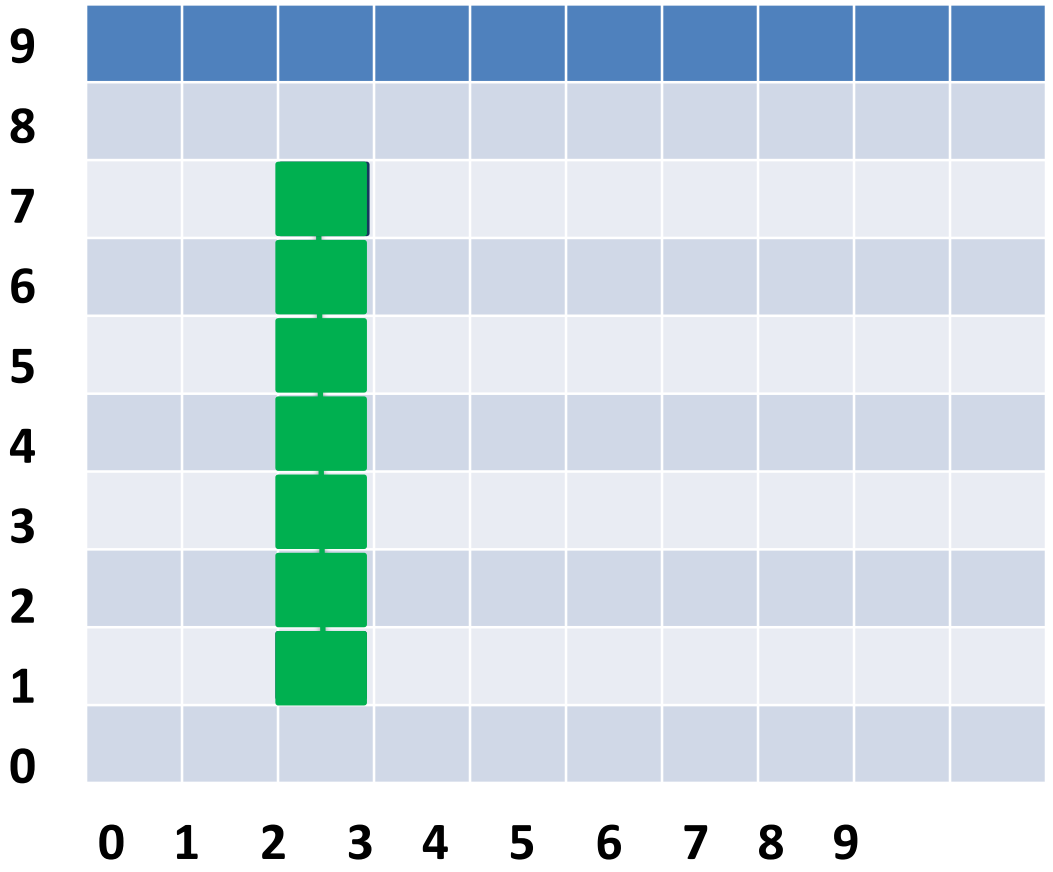
m = 0



Coordinate System

Line: (2,1) to (2,7)

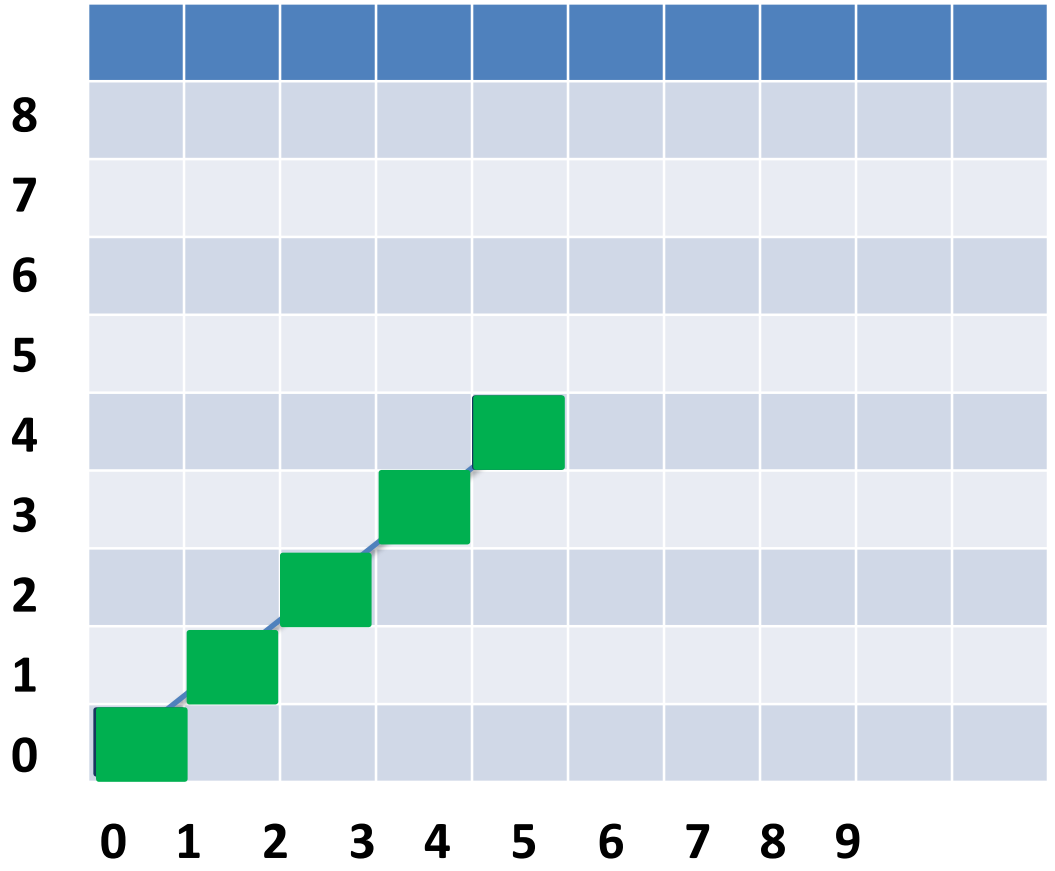
m = infinite
(--/0)



Coordinate System

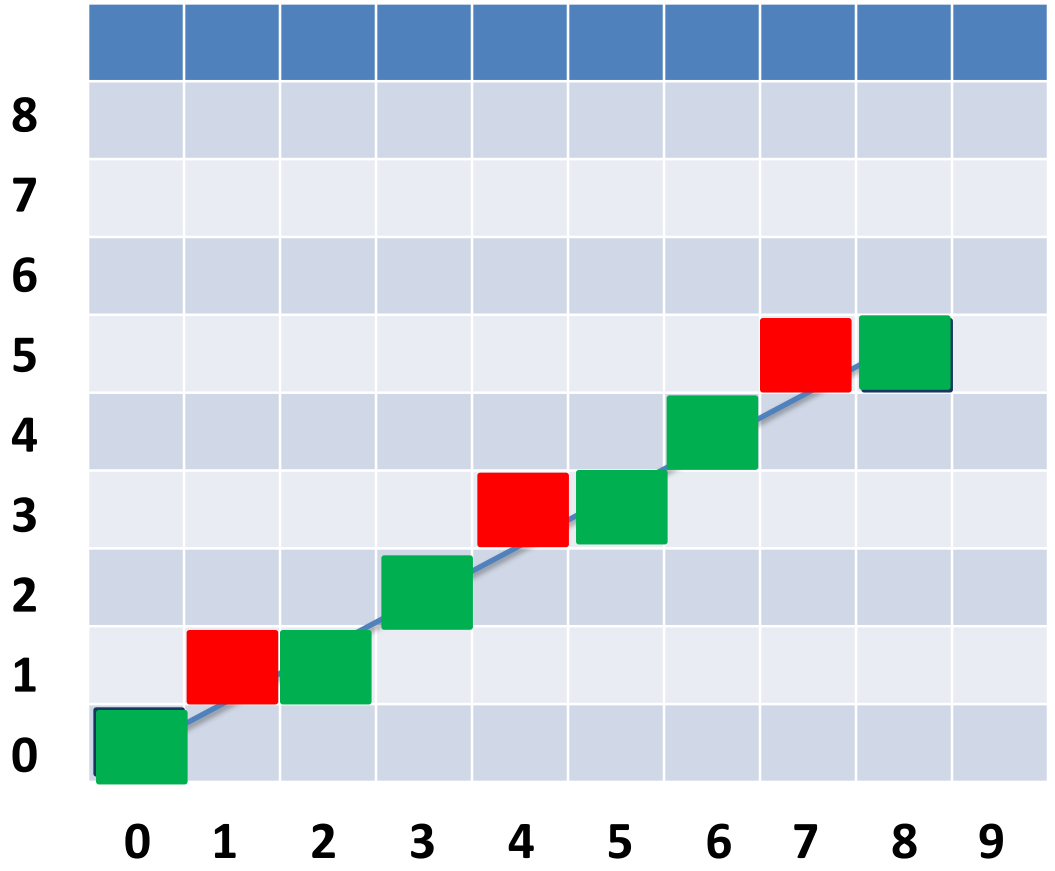
Line: (0,0) to (4,4)

m = 1



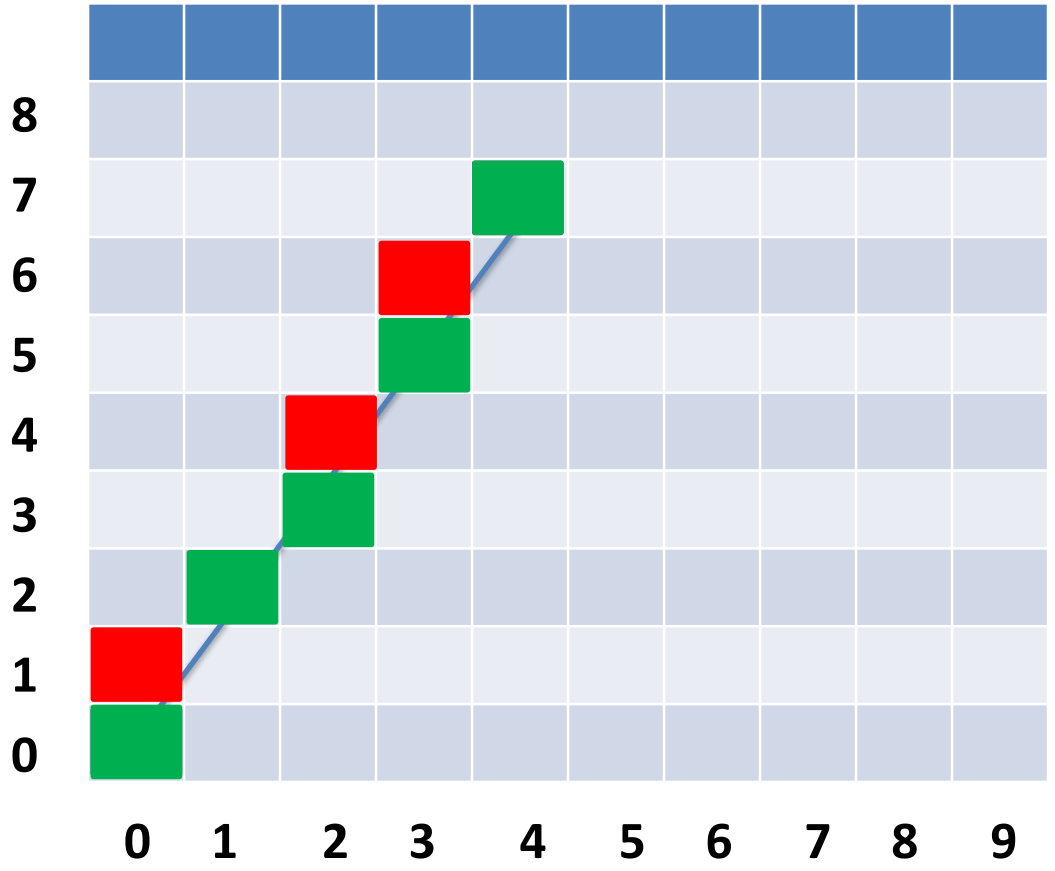
Line: (0,0) to (8,5)

$m < 1$



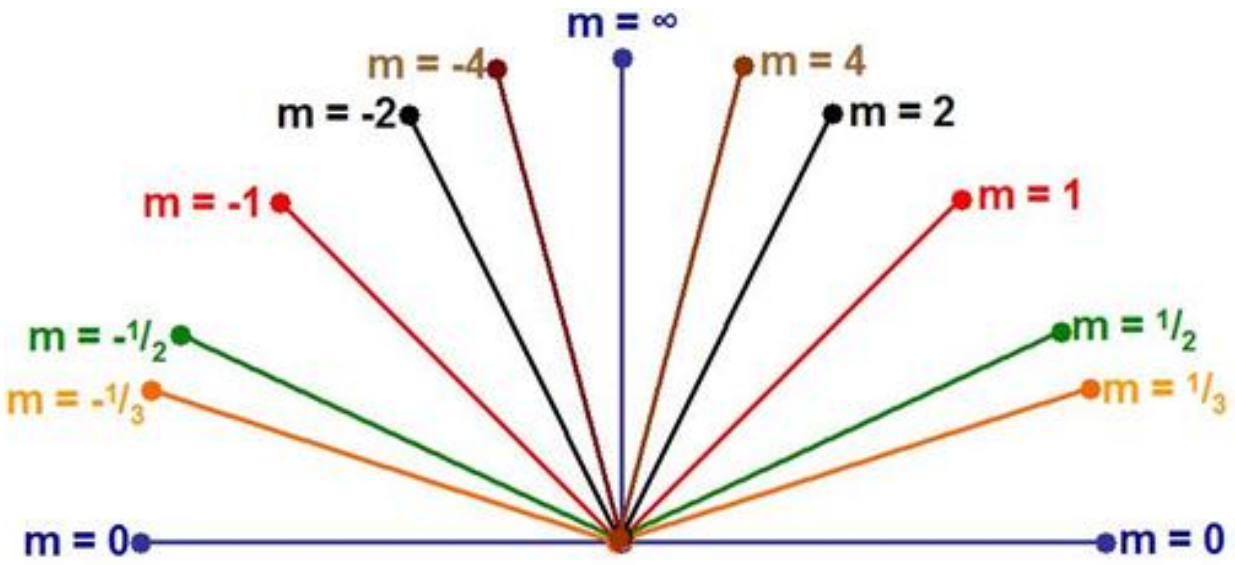
Line: (0,0) to (4,6)

$m > 1$



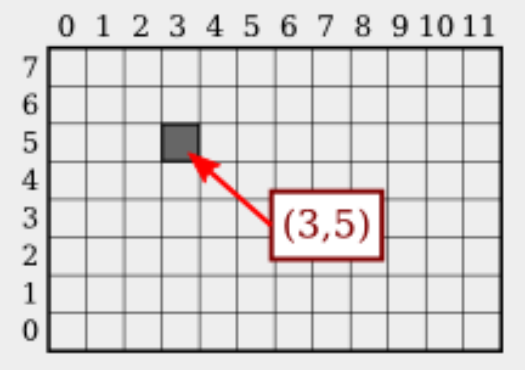
Line Equation: $y = m x + b$

(m - slope of line)

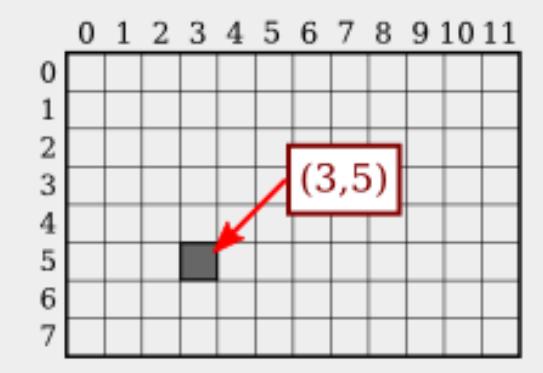


Pixel Grid: (m x n) 12 X 8

(Start- Left Top)

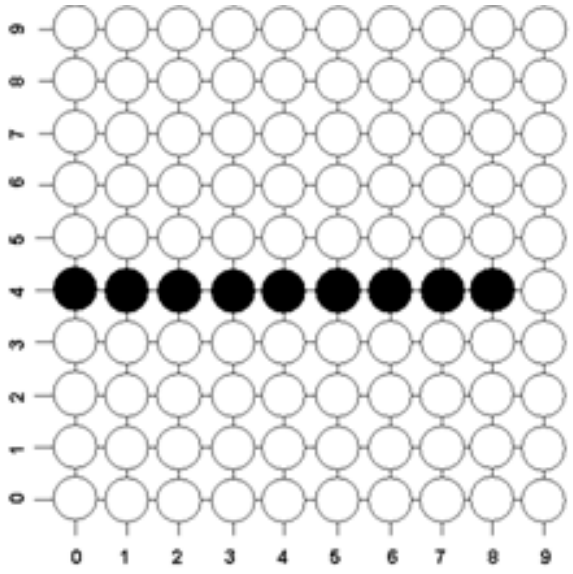


Bottom to Top



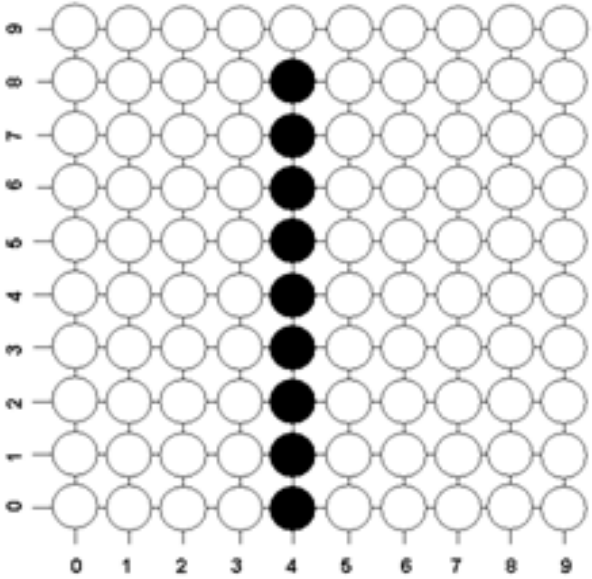
Top to Bottom

Horizontal line

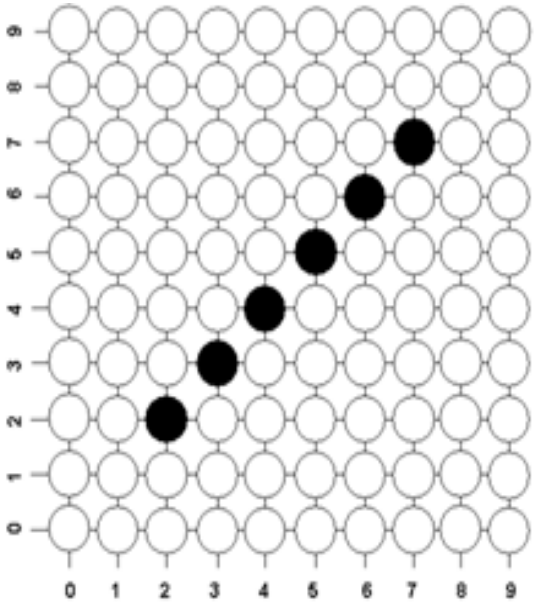


m = 0

Vertical line

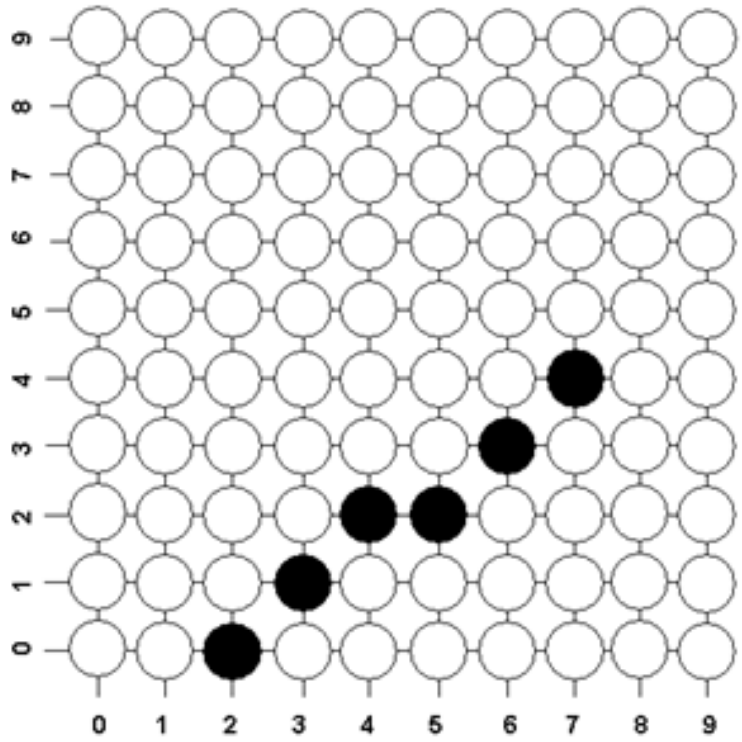


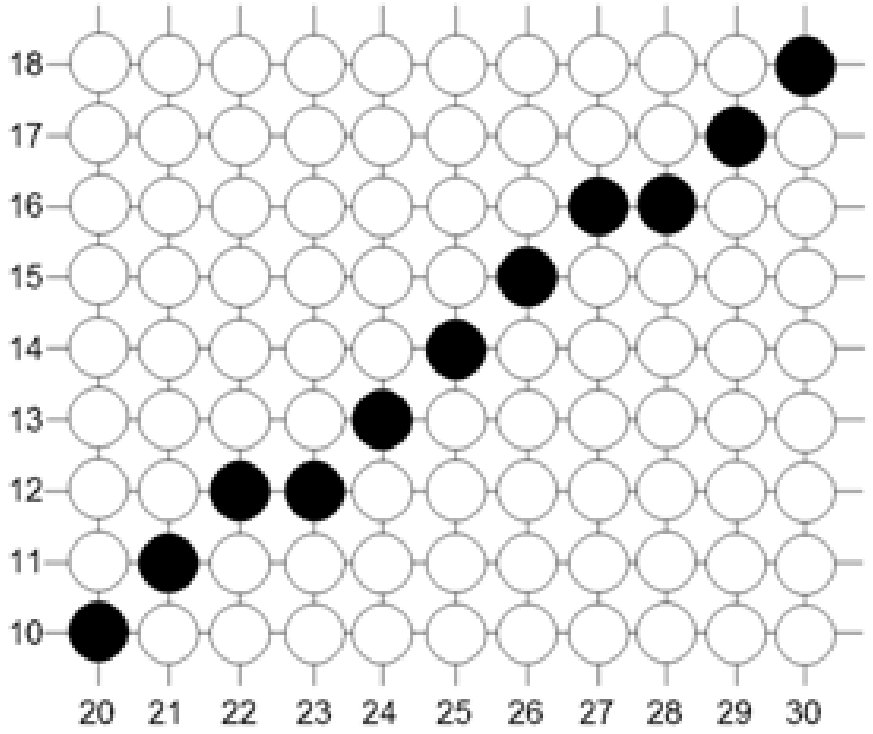
m = Infinite



m = 1

PROBLEM: $m < 1$ OR $m > 1$


0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9


10 11 12 13 14 15 16 17 18
20 21 22 23 24 25 26 27 28 29 30


QUESTIONS?
COMMENTS?
CONCERNS?