Understanding data generation code in visual basic:

1. Define all the variables: x1,y1.d1,x2,y2,d2,c1,c2,t

2. For 100 rows-

i) Randomly generate x1,y1,d1,x2,y2,d2

ii) Rnd() \* 9 – generates real random number between 0 and 9

iii) Application.WorksheetFunction.RoundUp(Rnd() \* 9, 0)- rounds upnumber to zeo decimal point making it whole number- for coordinates: 0-9,direction:0-7

3. Do while when obj1pos ! = obj2pos and count loop<20

i) Increase count by 1

ii) Behaviour of Obj1 inside box:

(1) If obj1: 1< x and y coordinates<10:

Then according to direction -adjust x and y coordinates-

(2) Else if obj1pos(1,1):

(3) Elseif obj1 pos: (10,1)

(4) Else obj1 pos: (1,10)

(5) Else obj1 pos: (10,10)

(6)Else if obj1 pos: x=1

(a)If direction == 0