matrix = rand([5 1000]);

matrix(:,1:10)

ans =  
  
 0.8147 0.0975 0.1576 0.1419 0.6557 0.7577 0.7060 0.8235 0.4387 0.4898  
 0.9058 0.2785 0.9706 0.4218 0.0357 0.7431 0.0318 0.6948 0.3816 0.4456  
 0.1270 0.5469 0.9572 0.9157 0.8491 0.3922 0.2769 0.3171 0.7655 0.6463  
 0.9134 0.9575 0.4854 0.7922 0.9340 0.6555 0.0462 0.9502 0.7952 0.7094  
 0.6324 0.9649 0.8003 0.9595 0.6787 0.1712 0.0971 0.0344 0.1869 0.7547

b = checkEventOccured(matrix);

b(:,1:10)

ans =  
  
 1 0 0 0 1 1 1 1 0 0  
 0 0 0 0 0 1 0 1 0 0  
 0 0 0 0 1 0 0 0 1 1  
 0 0 0 0 0 0 0 0 0 0  
 1 0 1 1 1 0 0 0 0 1

y = calculateFreqDepOnTestAmount(b);

for i = 1:5

y(i, 1000)

end

ans =  
  
 0.3270  
  
  
ans =  
  
 0.3500  
  
  
ans =  
  
 0.3290  
  
  
ans =  
  
 0.0400  
  
  
ans =  
  
 0.7130

 