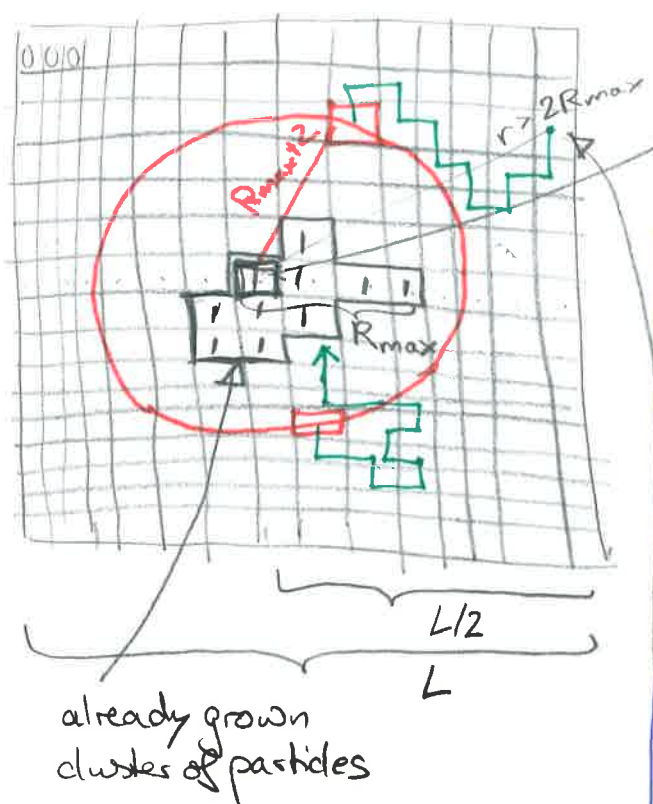


# DLA Rules



Rule I: initialize with all lattice site values = 0  
 middle site value = 1

loop over particles

Rule II: Start random walk on circle of radius  $(R_{max} + 2)$   
 (angle  $0 - 2\pi$  uniform distribution)

at any time largest distance of any one of cluster part. from center

Rule III Random Walk  
 up, down, right, left equally likely

Rule IV stop random walk if  $r > 2 R_{max}$

Rule V stop random walk and stick particle to cluster if random walker on site next to cluster particle  
 (up, down, right, left neighbor)

Rule VI: stop loop over particles if enough particles or if  $2R_{max} \geq \frac{L}{2} - 1$