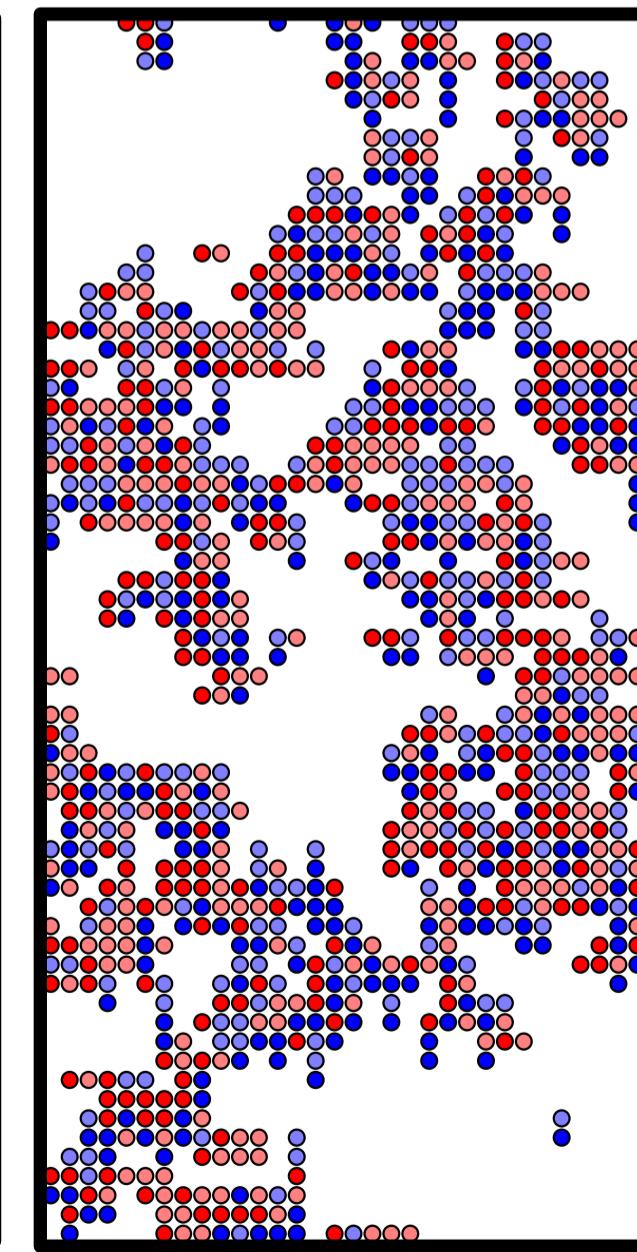
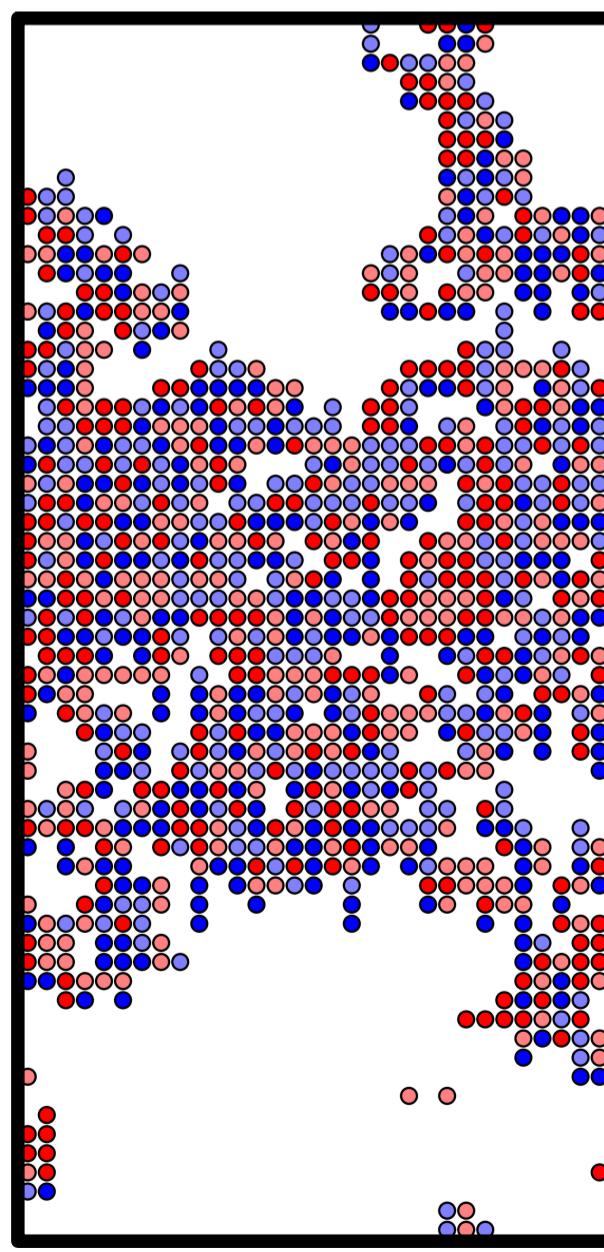
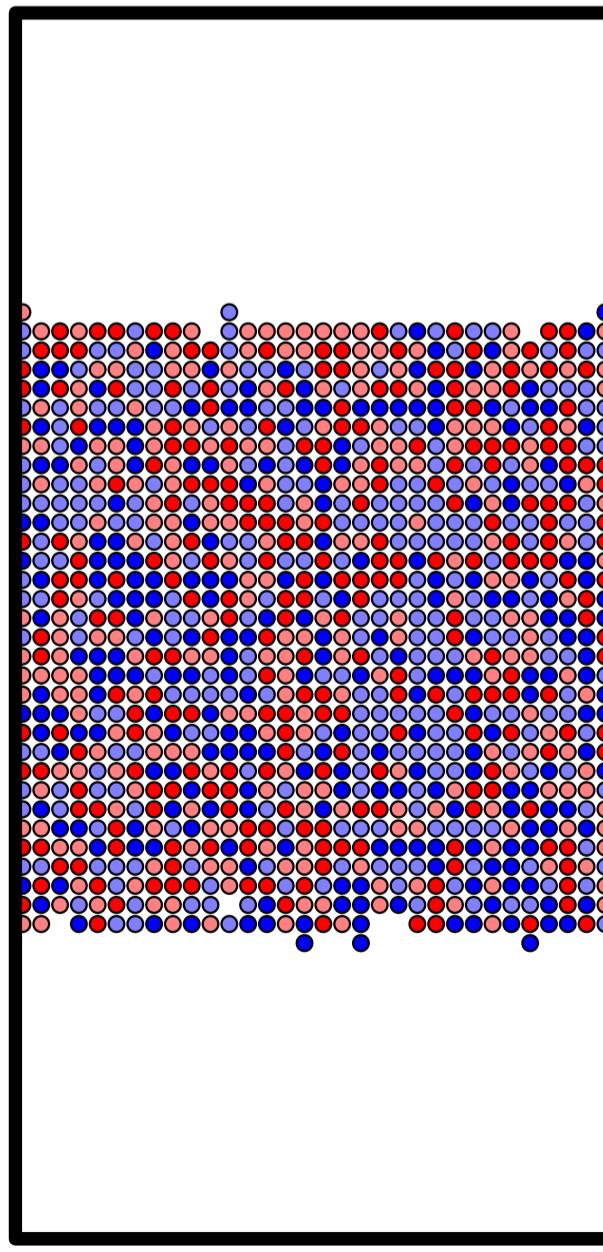
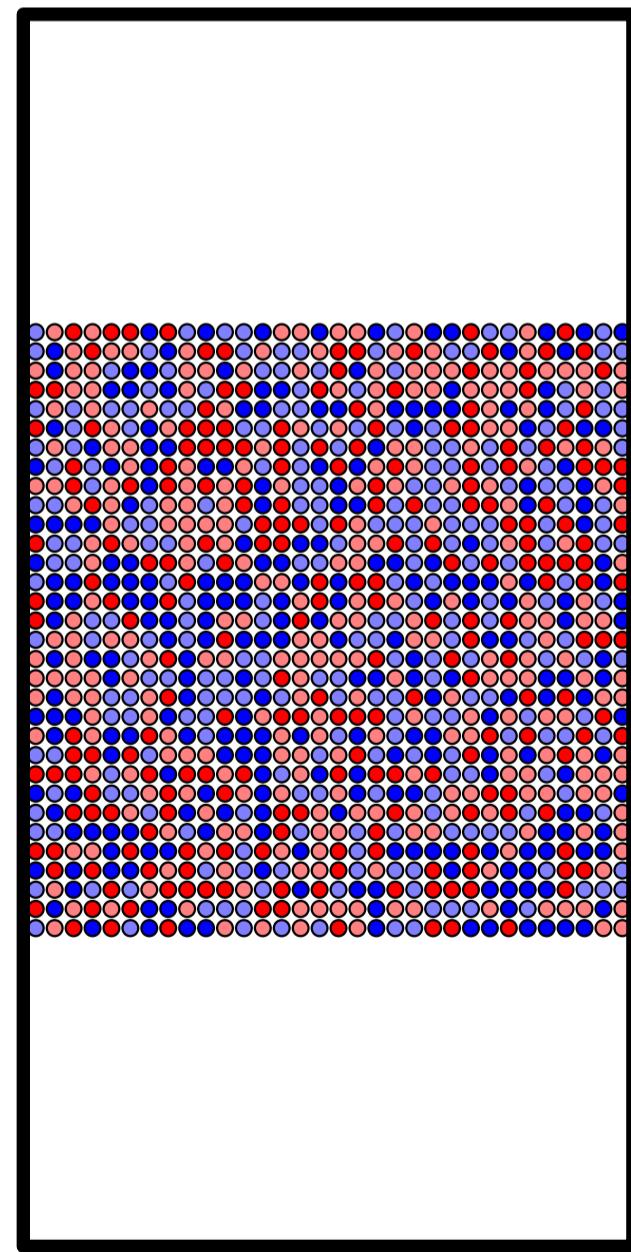
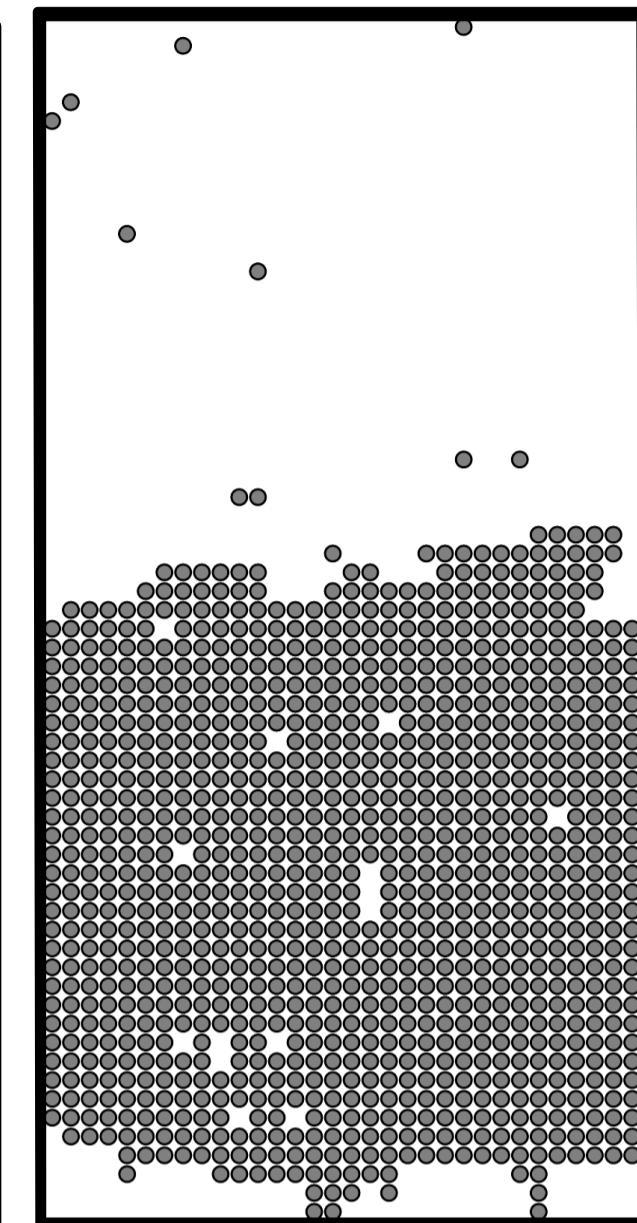
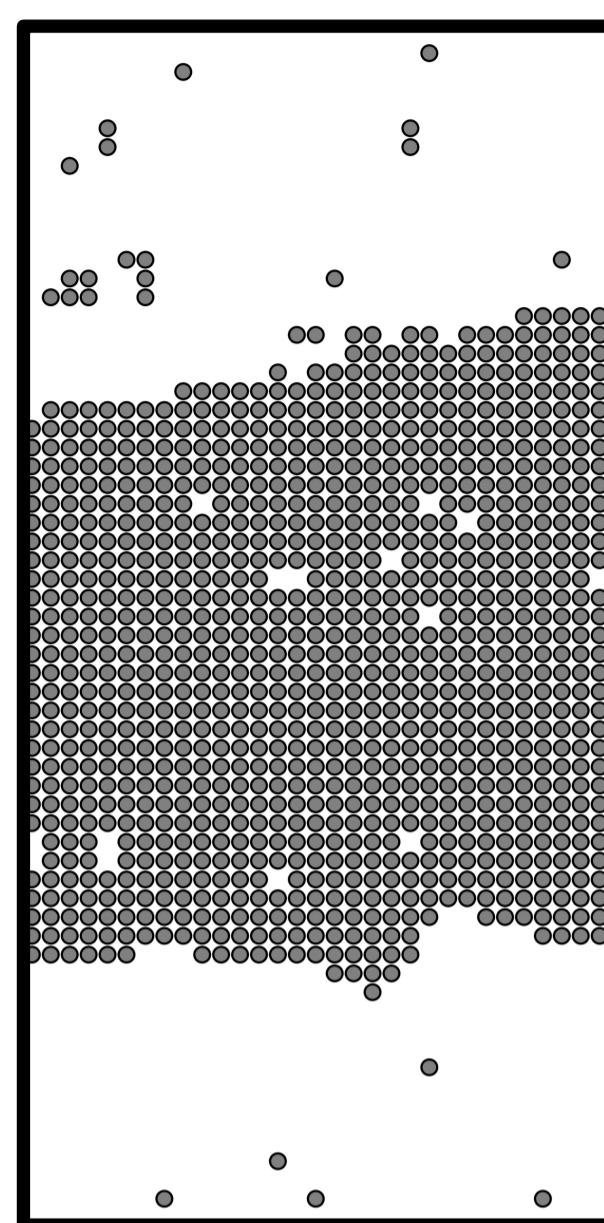
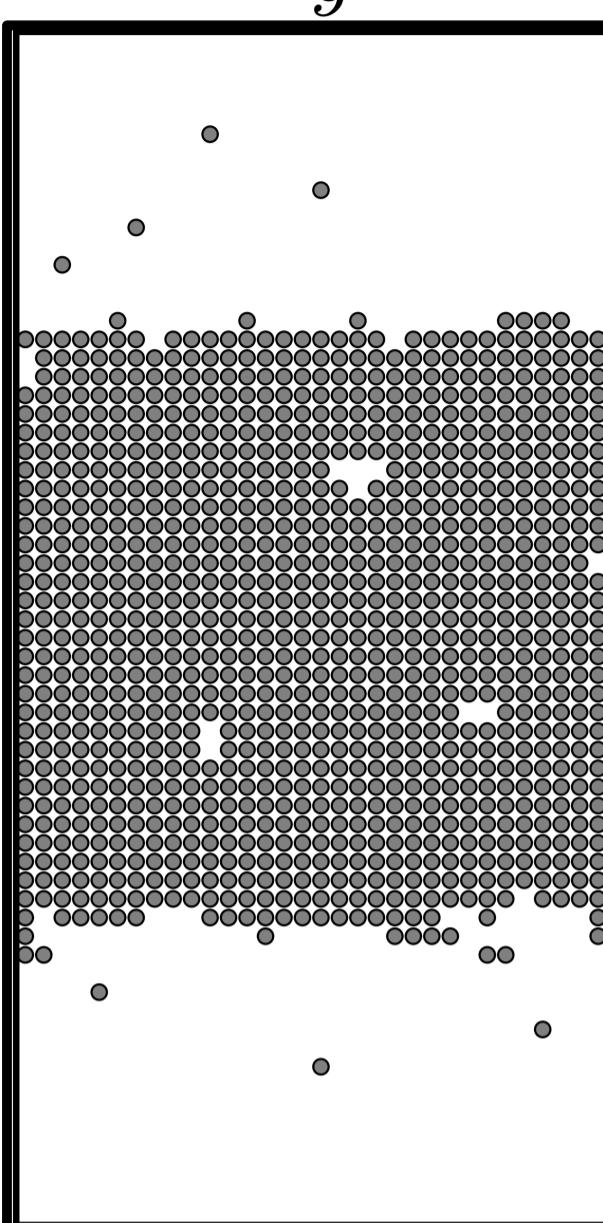
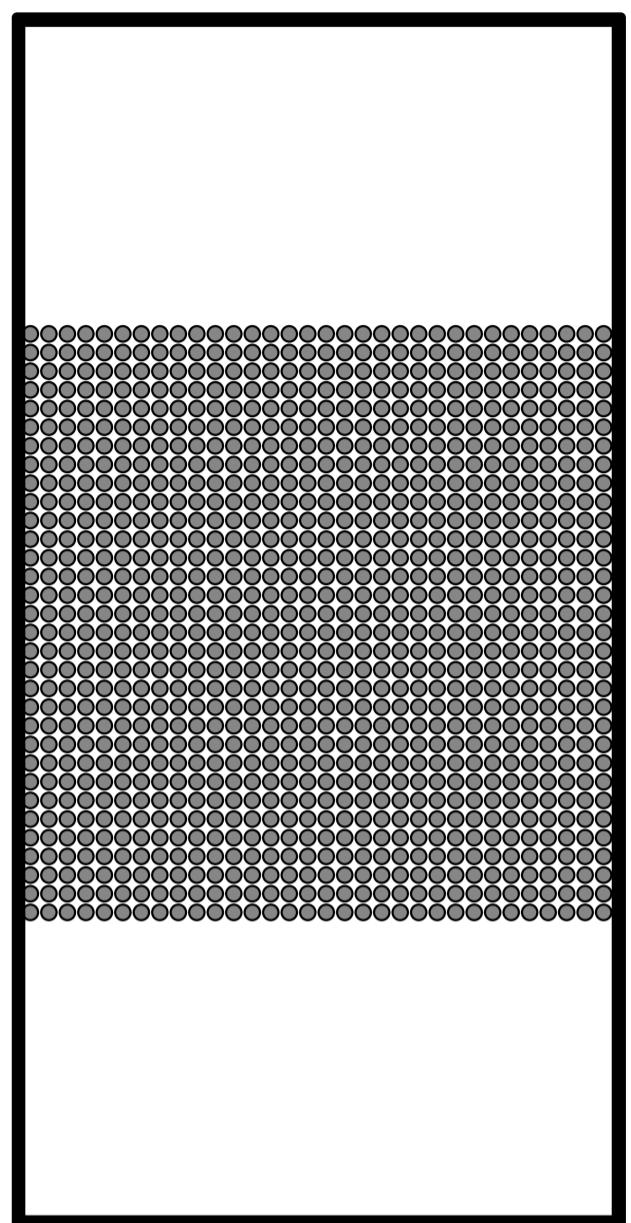


(a)

$$\longleftrightarrow L_y \longrightarrow$$

 $t = 0$ $t = 800$ $t = 20000$ $t = 3000000$