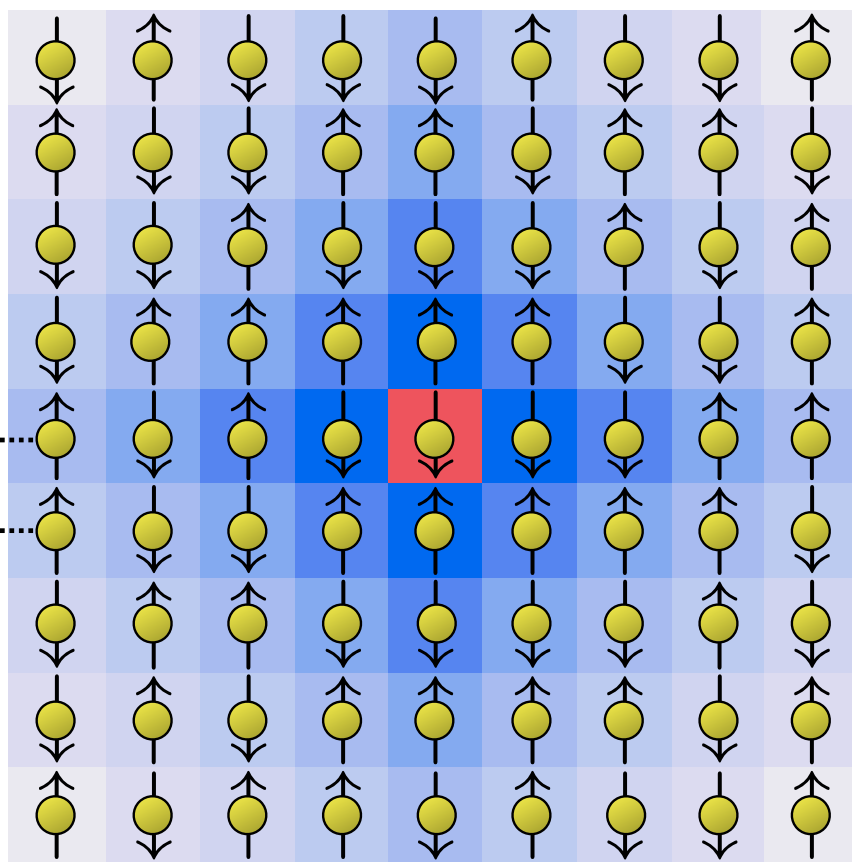


lattice spacing,

$R$



strength of interaction  
with red site



strong

weak