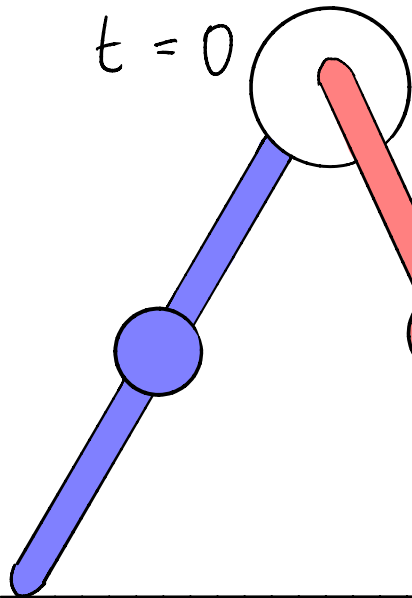initial configuration   final configuration

$t = 0$

$t = t_c$