

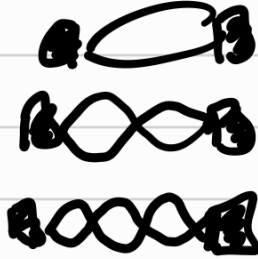
## 1<sup>st</sup> simulat°

## 1D chain oscillators

**momomomom**

$$F \sim kx$$

dynamics described by non-interacting normal mode



For a more general case  
node starts to interact

$$h \sim h_0 + \alpha x^2 + \beta x^2$$

→ they saw 97% return to initial state

