

# Generative Model

- Variational Auto Encoder (VAE) and Conditional VAE (C-VAE)
- Number of parameters significantly smaller than the amount of data we train them on
- Models are forced to discover and efficiently internalize the essence of the data in order to generate it.

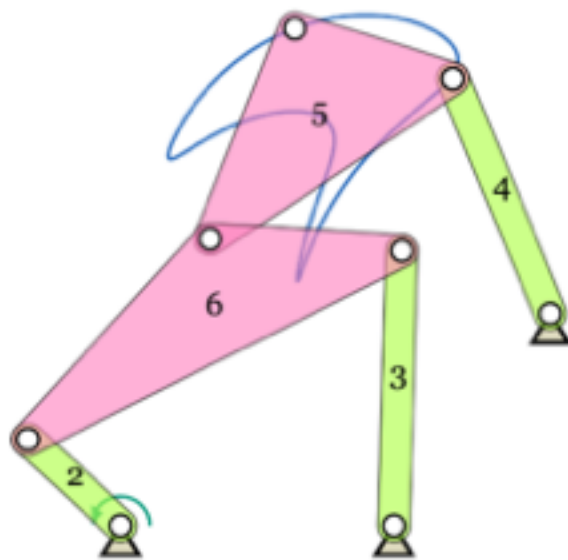
**“What I cannot create, I do not understand.”**

*– Richard Feynman*

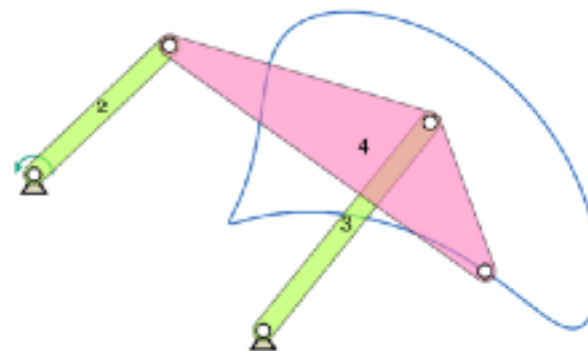
# Representation Learning of Linkage Trajectories

- Learn Salient Features of Linkage Trajectories
- Given an unknown trajectory, recognize the potential linkage type.

**Six-Bar Linkage**



**Four-R Linkage**



**Slider Crank Linkage**

