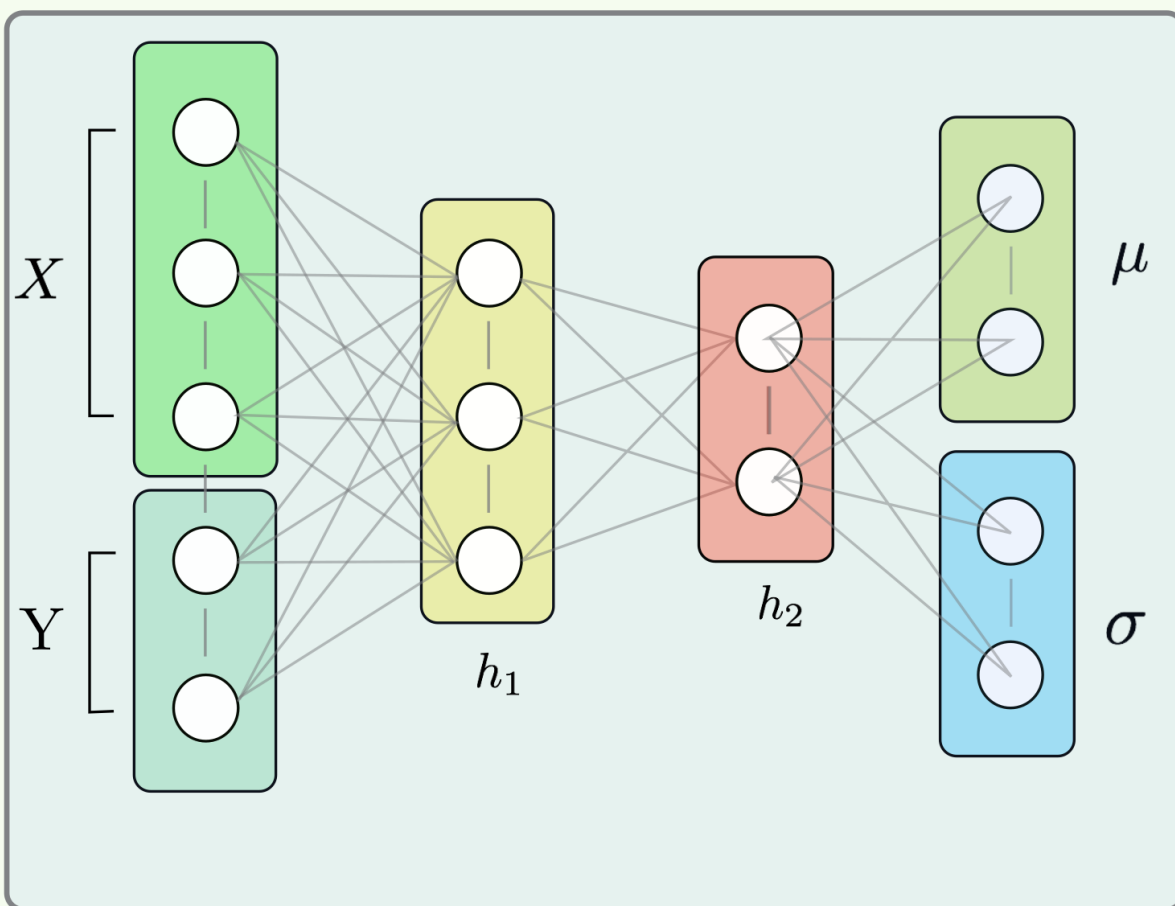
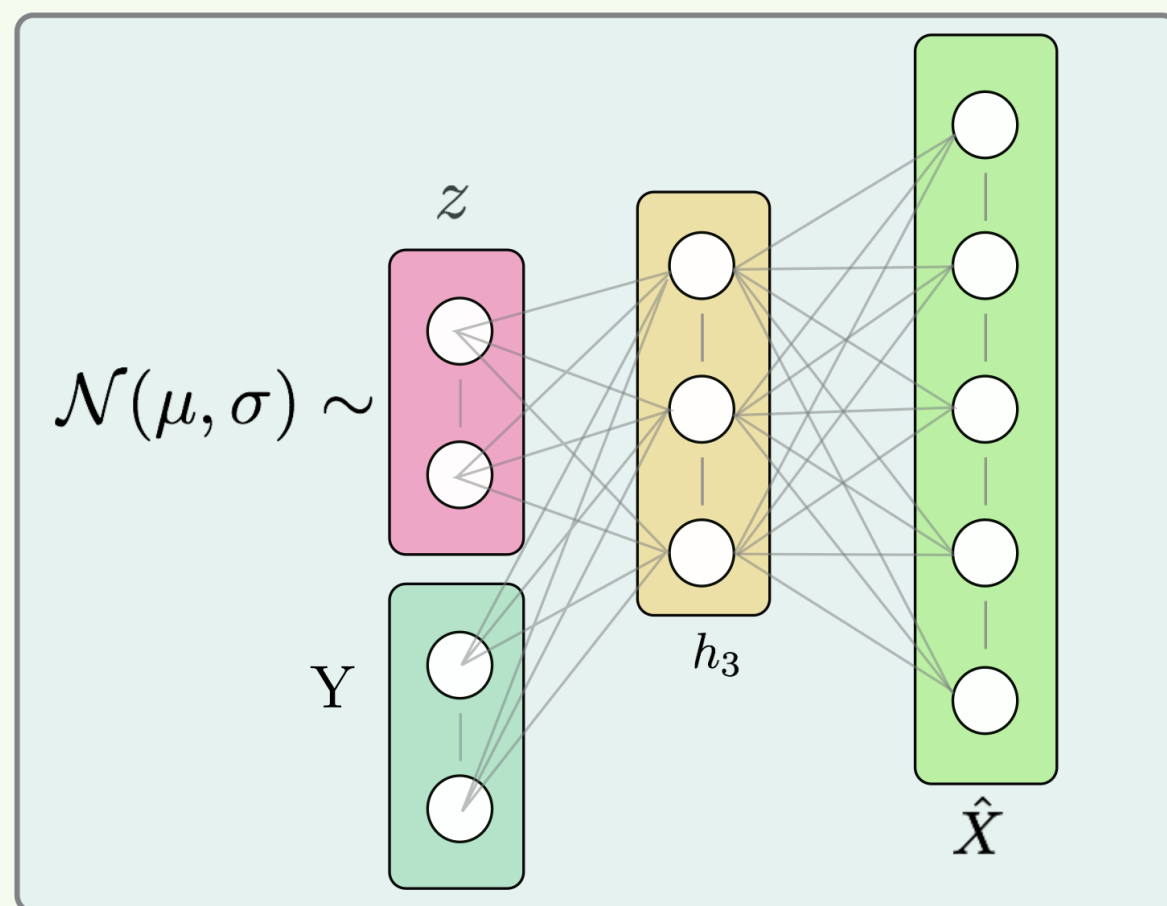


## Conditional Variational Auto Encoder

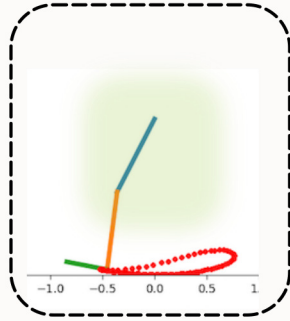
Recognition Model  $Q(X, Y) = q(z|X, Y)$



Generative Model  $G(z, Y) = p(X|z, Y)$

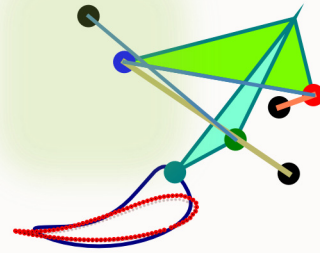


Path (Y)

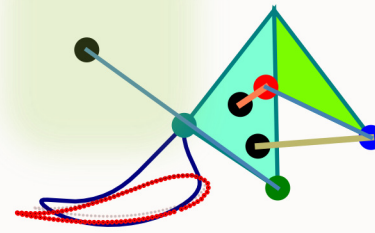


Generated Six-Bars ( $\hat{X} = G(z, Y)$ )

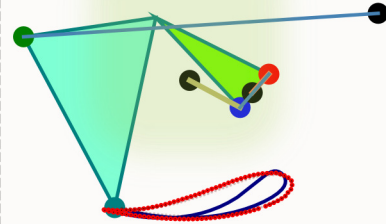
1)



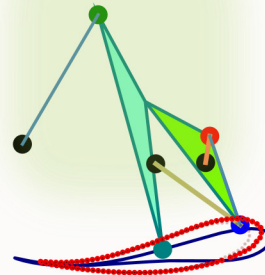
2)



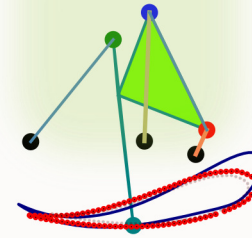
3)



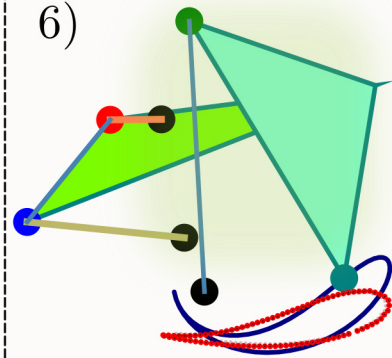
4)



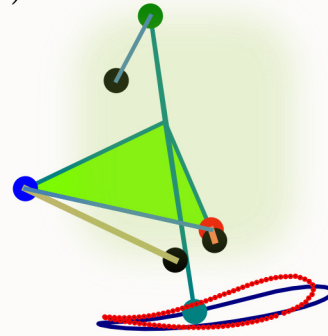
5)



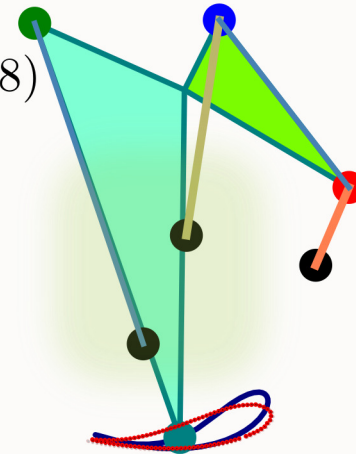
6)



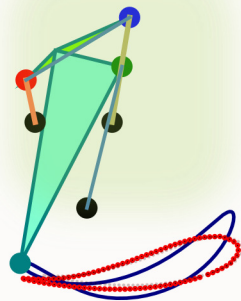
7)



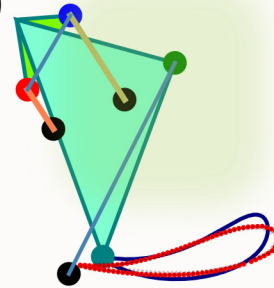
8)



9)



10)



11)

