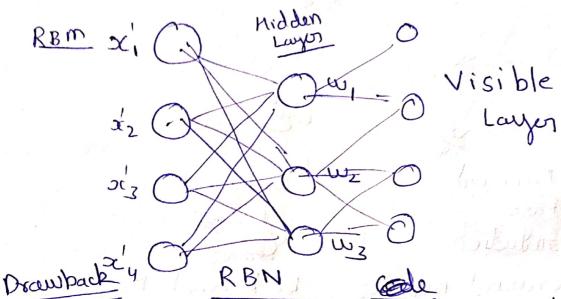


Ver Restricted Boltzman machine ron do one some as encoder for dimensonality reduction

Since Ando encoders one simple 3 layer neural netword and RBM are 2 layer Neural



ndwork

Sinna RBM does now how an out put put sed layor Acconstrution can only be done at visible layor in RBM

-> Reconstruction can be done using backward bass

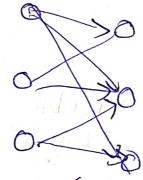
-> The visible layer bias help the RBM harn

Advanta of backwood pars

one corresponding input feature

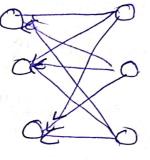
Sine RBM decide the important teature that should be kept, which cause dimensionality reduction, thus it needs only backward pars to do this

-> It can oversome vanishing gradient problem



Formand Joseph John March of The Control of the Con

Forward Pays



Backymod

Backward Pars