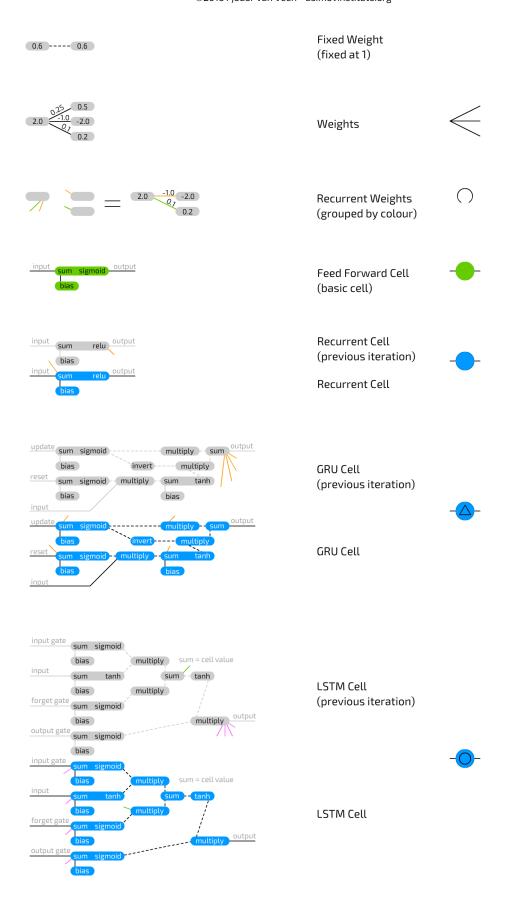
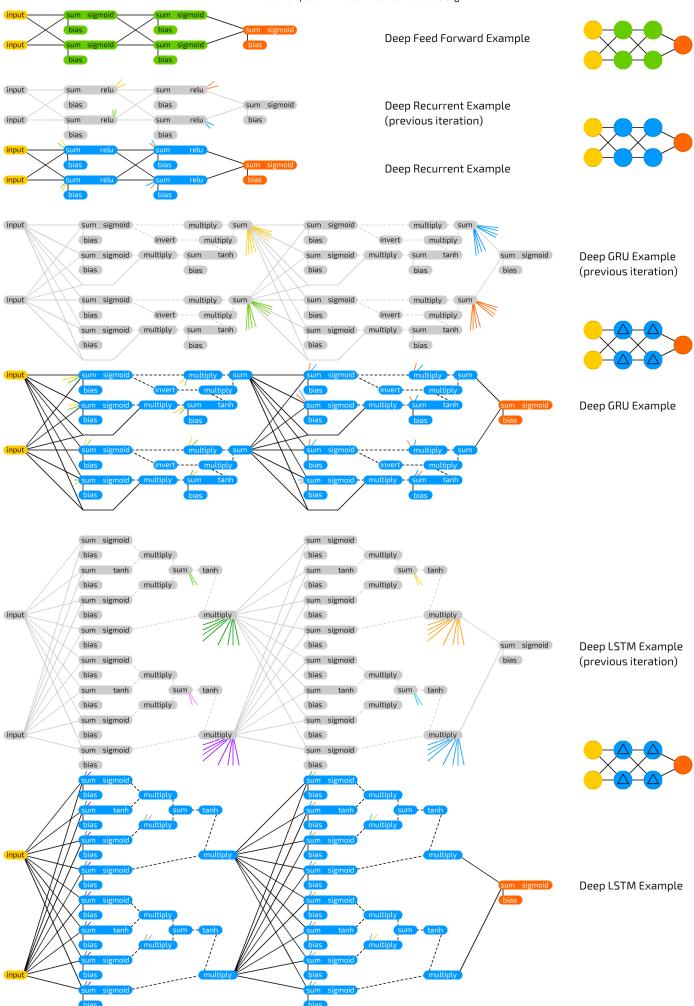
## **Neural Network Cells**

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## **Neural Network Graphs**

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## A mostly complete chart of

## Neural Networks Backfed Input Cell Deep Feed Forward (DFF) ©2016 Fjodor van Veen - asimovinstitute.org Input Cell Noisy Input Cell Radial Basis Network (RBF) Perceptron (P) Feed Forward (FF) Hidden Cell Probablistic Hidden Cell Spiking Hidden Cell Recurrent Neural Network (RNN) Long / Short Term Memory (LSTM) Gated Recurrent Unit (GRU) Output Cell Match Input Output Cell Recurrent Cell Memory Cell Sparse AE (SAE) Auto Encoder (AE) Variational AE (VAE) Denoising AE (DAE) Different Memory Cell Kernel Convolution or Pool Markov Chain (MC) Hopfield Network (HN) Boltzmann Machine (BM) Restricted BM (RBM) Deep Belief Network (DBN) Deep Convolutional Network (DCN) Deconvolutional Network (DN) Deep Convolutional Inverse Graphics Network (DCIGN) Liquid State Machine (LSM) Extreme Learning Machine (ELM) Generative Adversarial Network (GAN) Echo State Network (ESN) Deep Residual Network (DRN) Kohonen Network (KN) Support Vector Machine (SVM) Neural Turing Machine (NTM)