Building blocks of a deep NN -> visualizing ideas behind fund, between propagation prg - Z[1] = W[1] [1-1] + b[1] a [1] = g[1] (Z[1])

l cache Z[1] for bookwd p. Input da [1] [output day [1-1] db [1]

Cache Z[1], [output day [1-1] 1> fud -> bckwd d w [1] d b[1] u polates w:=w[1] - 2 dw [1] PEN = PEN - ~ appen tro pagations: we also use with in bokund propagation inputs a [1-1], outputs a [1] baches =[1] ZEO = WEN ACR-17 + PENT A EN = WEN ACR-17 + PENT vectorized version da [1], output da [1-1], d W [1], d b [1] -backward * = painvise mult. inputs 12[1] = Ja[1] * g[1] (Z[1]) dweis = dzend * aci-ist da =WEist dzen