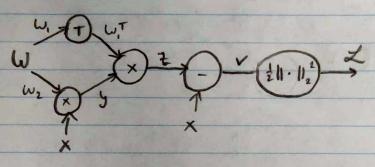
White W reduces x to a laner number of dimensions, WT takes the m-dimensional "compressed" date and tries to restore it as well as possible. Therefore, we want the result of WWX to recreate the original obtain x' or well as possible, so we to they to minim to the norm of the difference multiplied by a co a regularisation coefficient.



DwL = Wx((WTW-I)x)T+ W(WTW-I)xxT SMLE (XXT(WTW-I)) + (WTW-I)XXT) PwZ = 2W (WTW-J) XXT 2) I am a C 147 student.  $t_{2} = V_{2} + b_{2}$   $V_{2} = W_{2}h_{1}$   $V_{3} = \frac{\partial v_{2}}{\partial v_{1}} \frac{\partial v_{2}}{\partial v_{2}} = \frac{\partial v_{2}}{\partial v_{2}} \frac{\partial v_{2}}{\partial v_{1}} = I$   $V_{4} = Swish(z_{1})$   $V_{5} = \frac{\partial v_{2}}{\partial v_{1}} \frac{\partial v_{2}}{\partial v_{2}} = V_{5}$   $V_{7} = V_{7} + b_{1}$   $V_{8} = \frac{\partial v_{1}}{\partial v_{2}} \frac{\partial v_{2}}{\partial v_{1}} = V_{7}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = \frac{\partial v_{1}}{\partial v_{2}} \frac{\partial v_{2}}{\partial v_{1}} = V_{7}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = \frac{\partial v_{1}}{\partial v_{2}} \frac{\partial v_{2}}{\partial v_{1}} = V_{8}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} + b_{1}$   $V_{8} = V_{8} + b_{2}$   $V_{8} = V_{8} +$ (4) h, = Swish(2,) (H) \$\$ (H) 2, = V, +b, (H) V, = W,x 1 + e-3i + 2i = 3i } Sij WI W2 HXD CXH (\*) du, dr. = dr. W2 de xT & drasson trick Then Oh, Wa T DE XT defined as above in