12 Deverangly of the volume is accepted by ensurery strick Resnet more parameters (w) should more libery to fit, better performance address varisting gratience and degradation vanishing gradience = towardeep network, the gradience from where the loss function cabulated easily strink to 0 after several application of dainfule throughtp connection, gravence can thou treaty priming addition backward from later layers to mittal filters Conv. 1 filter We just skip I, since second tidn't & where we try to learn: f(x) par () Resnet mokes Leaning Identity easier learning fix) + x => 0+x is easier from fearing Gradients can flow directly through the slep connections backward from what later layers to initial tilters Conv Batch Norm tilter mitial Size Same mouss 64 puldry 1, strid 2 paddry 3, strid2 (3.3.1) 166, 50, 64) (1/2,112,64) (224,224,3) 7,7,3) 1 (1, 64) XDX

