NN Lord (P3) - What are middel layers doing? . They are learning patterns, they are learning the patterns of the different digits · Like whot motive up a 9 a circle and stick & circle by it self that a zero. Ar position of their matter . in a prefect NN one layer would pick up or the potterns and the our before it the edges that make of those patters like circle stick of a · Ar Mess patterns infance Mr out put i 9 = 0 + 1 8 = 0 + 0 (Subcomponent) - Dru we can easaly genss the image from thes. . but we here to know behot a "O" is Live What pixels preter up a "0" is front recognizer · This car berak down into another. O = (+)+ 1+ +1 Subcomponi prohilin , find all the edges that make , Same for all subporterm a 110" find lagers

higher activation

is but neuron

corresponding with 4 The 3rd layer told Bis orphat lay or An circle and still present most likly means a 9 Je Ar last layers · The promoten activations indicates gras casim and to the third layer simpler cach layer finds all ther a circle and loger par > Par edges in ther make stick is present poirt. until Inst pases in Ut at by espass. 34 edges giver layer gives ons in prointer Scanned with CamScanner