神经网络第十一章 2022年7月22日 星期五 Why look at case study? I.e Net-5 ALexhet VGG /VGG-16 Res Net (152) Classic Net Norks 在使用卷成形, 加HU, NWU, NCT 32 x 3 L X ) conv pul conv pul to to output signord /tanh to Rein &3 花文中: (F) ResNets (破差) Short CUT'S Linear D> Pelu ating Inear D> Pelu ating  $a^{t}$   $\rightarrow$  D D D D D D D D主民的主路径, X -> [Big MM] > 9T1.) Short cut  $\chi \longrightarrow |Right \longrightarrow (1) / (2)$ Relu azo at 1+2] = 9 (7 [1+2] + at 17) - 9 (WTC+2) [1+12+ b[1+2] + a[17] it WILH22-0, WIL+27 50 当局单, 更有别于超升 Net works in Networks and IXI Convolutions 1×1卷松 6 × 6 \* 1 × 1 = 6 \* 6 6x6x32 \* 1x1x32 = Pelu 6 76 x # fil ters Inception Network (Notilation 差积+泡在全国 171 28 × 28 × 192 3×3 7×7 Inception Network 28 x28 x 670 conic ZXXXXX previous activation channel 28×28×192 Concat Mobile Net normal Convolution

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6+6+3 \* 3×3×5 × 1×1×3

Depthmic pointwise

Mobile/Vet Arenitecture mobel Net Vz Buttle Neck

 $\frac{1}{-} n \times n \times 3 \longrightarrow n \times n \times 10 \longrightarrow n \times n \times 3$  = fficient Net