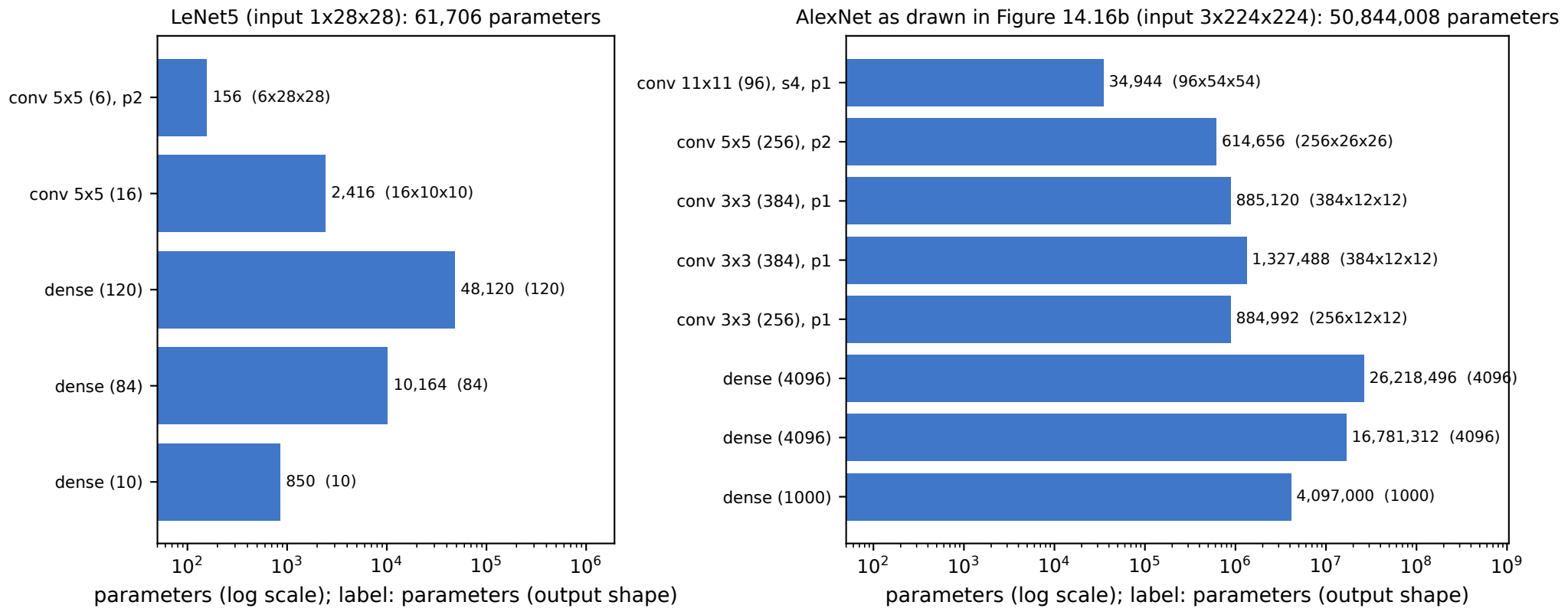

LeNet5 (input 1x28x28): 61,706 parameters
conv 5x5 (6), p2
156 (6x28x28)
conv 5x5 (16)
2,416 (16x10x10)
dense (120)
48,120 (120)
dense (84)
10,164 (84)
dense (10)
850 (10)
10^2
10^3
10^4
10^5
10^6
parameters (log scale); label: parameters (output shape)
AlexNet as drawn in Figure 14.16b (input 3x224x224): 50,844,008 parameters
conv 11x11 (96), s4, p1
34,944 (96x54x54)
conv 5x5 (256), p2
614,656 (256x26x26)
conv 3x3 (384), p1
885,120 (384x12x12)
conv 3x3 (384), p1
1,327,488 (384x12x12)
conv 3x3 (256), p1
884,992 (256x12x12)
dense (4096)
26,218,496 (4096)
dense (4096)
16,781,312 (4096)
dense (1000)
4,097,000 (1000)
10^2
10^3
10^4
10^5
10^6
10^7
10^8
10^9
parameters (log scale); label: parameters (output shape)