CIFAR100-ResNet56 Sample Size: 32768 --- clado set1 70.530 → mpqco set1 69.456 -- clado set2 70.382 mpqco set2 69.195 --- clado set3 70.532 mpqco set3 69.501 --- clado set4 70.405 → mpgco set4 69.373 --- clado set5 70.555 → mpgco set5 70.143 --- clado set6 70.365 → mpqco set6 70.281 --- clado set7 70.539 mpqco set7 69.385 --- clado set8 70.376 → mpqco set8 70.202 --- clado set9 70.531 → mpgco set9 69.697 clado set10 70.393 mpqco set10 69.199 FP-model 72.630 8bit-model 72.440 4bit-model Performance 46.990 clado mean 70.461 std:0.078 mpqco mean 69.643 std:0.396

0.70

0.75

0.80

70

65

test accuracy

55

50

0.40

0.45

0.50

0.55

0.60

model size(MB)

0.65