Task	Dataset	Accuracy Target	Model	Speedup for Prox [49]			Speedup for YoGi [64]		
				Stats.	Sys.	Overall	Stats.	Sys.	Overall
Image Classification	OpenImage-Easy [3]	74.9%	MobileNet [66]	3.8×	3.2×	12.1×	2.4×	2.4×	5.7×
			ShuffleNet [78]	2.5×	3.5×	8.8×	1.9×	2.7×	5.1×
	OpenImage [3]	53.1%	MobileNet	4.2×	3.1×	13.0×	2.3×	1.5×	3.3×
			ShuffleNet	4.8×	2.9×	14.1×	1.8×	3.2×	5.8×
Language Modeling	Reddit [8]	39 perplexity	Albert [48]	1.3×	6.4×	8.4×	1.5×	4.9×	7.3×
	StackOverflow [9]	39 perplexity	Albert	2.1×	4.3×	9.1×	1.8×	4.4×	7.8×
Speech Recognition	Google Speech [72]	62.2%	ResNet-34 [36]	1.1×	1.1×	1.2×	1.2×	1.1×	1.3×

Table 1: ***Summary of improvements on time to accuracy. We tease apart the overall improvement with statistical and system ones, and take the highest accuracy that Prox can achieve as the target, which is moderate due to the high task complexity and lightweight models.***