

BP-trained: protocol passes

Architecture	(a) scale	(b) $\ g\ $ floor	(c) drift	(d) frozen
ResMLP $d = 256$ (terminal LN)	✓	✓	✓	✓
ResMLP $d = 512$ (terminal LN)	✓	✓	✓	✓
ViT-Mini (cls + LN)	✓	✓	✓	✓
StudentNet (no terminal LN)	✓	✓	✓	✓
CNN BatchNorm (no terminal LN)	✓	✓	✓	✓

DFA-trained: protocol verdict by architecture

Architecture	(a) scale	(b) $\ g\ $ floor	(c) drift	(d) frozen
ResMLP $d = 256$ (terminal LN)	WB	WB	✓	WB
ResMLP $d = 512$ (terminal LN)	WB	WB	✓	WB
ViT-Mini (cls + LN)	WB	WB	✓	WB
StudentNet (no terminal LN)	WB	✓	✓	✓
CNN BatchNorm (no terminal LN)	WB	✓	✓	✓

Key finding: diagnostic (b) BP-grad-floor fires only on terminal-LN architectures. Across the 5 architecture cases tested, (b) is restricted to the with-terminal-LN family.