System	Component							Engineering Approach	ML Model Family	ML Learning Type
	Query Parser	Relational Engine			Execution Engine					
		Advanced Analytics	Optimizer	Physical DB Design	Knob Tuning	Provisioning /Scheduling	Data Structures & Algos.			
SpeakQL ('17)	✓							External	DL	Supervised
SQLNet ('17)	✓							External	DL	Supervised
Verdict ('17)		✓						External	Traditional	Supervised
LEO ('01)			✓					Internal	Traditional	Supervised
CardLearner ('18)			✓					External	Traditional	Supervised
QPPNet ('19)			✓					External	DL	Supervised
SkinnerDB ('19)			✓					Internal	Traditional	Rein. Learning
Naru ('20)			✓					External	DL	Unsupervised
Neo ('19)			✓					Internal	DL	Supervised
AutoAdmin ('97)				✓				External	Traditional	Supervised
AutoAdmin++ ('19)				✓				External	Traditional	Supervised
QueryBot500 ('18)				✓				External	Traditional	Supervised
iTune ('09)					✓			External	Traditional	Rein. Learning
OtterTune ('17)					✓			External	Traditional	Rein. Learning
WiseDB						✓		External	Traditional	Supervised
NashDB						✓		External	Traditional	Supervised
Learned Index ('18)							✓	Internal	Traditional	Supervised
Fiting-Tree ('19)							✓	Internal	Traditional	Supervised
XIndex ('20)										
NoisePage* ('17)									Traditional	
SageDB* ('19)									DL/Traditional	