Stage	1	2	3	4	5
AI-Native Database	**AI-Advised** • **Workload Manager** (e.g., modeling, scheduling, predicting) • **SQL Optimization** (e.g., SQL rewriter, view advisor, index advisor) • **DB Maintenance** (e.g., performance monitoring, tuner, data migration, fault tolerance) • **Security** (e.g., intelligent masking/auditing/detecting)	**AI-Assisted** • **Merge AI tools into DB kernel**	**AI-Designed** • **Self-Configuring** (e.g., tuning, software upgrade, data partitioning) • **Self-Healing** (e.g., automatic failover, automatic recovery, preventive alerts) • **Self-Optimizing** (e.g., stats collection, index design, MQT design) • **Self-Protecting** (e.g., throttling requests competing resources) • **Self-Inspecting** (e.g., consistency check, health check)	**AI-Assembled** • **Support different computing powers** (e.g., ARM, GPU, NPU) • **Heterogeneous computing architecture**	**AI-Designed** • **Database initialization** • **Database design** • **Database implementation and loading** • **Database testing and evaluation** • **Database operation, maintenance and evolution**