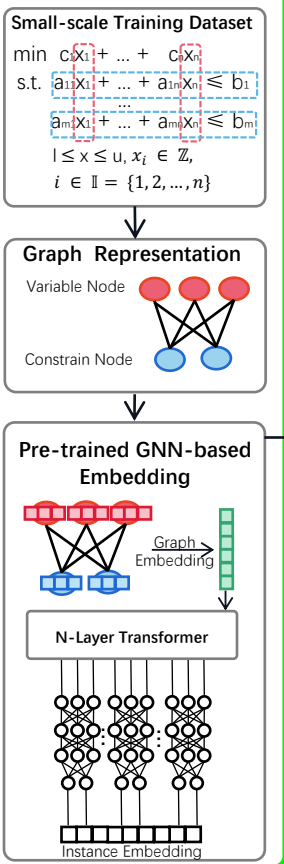
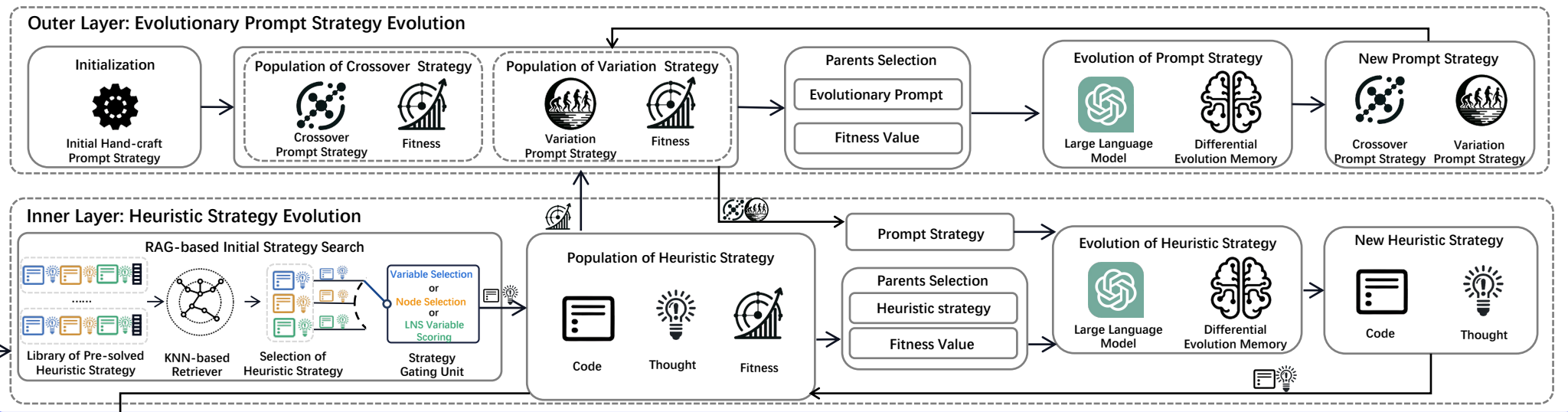


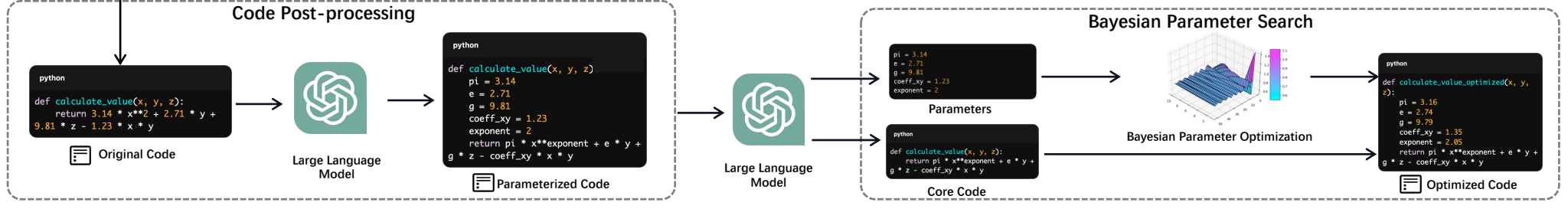
Step 1: Data Process



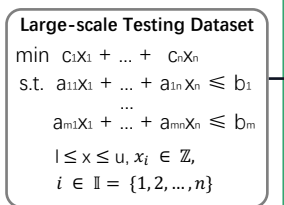
Step 2: Dual-layer Self-evolution LLM Agent



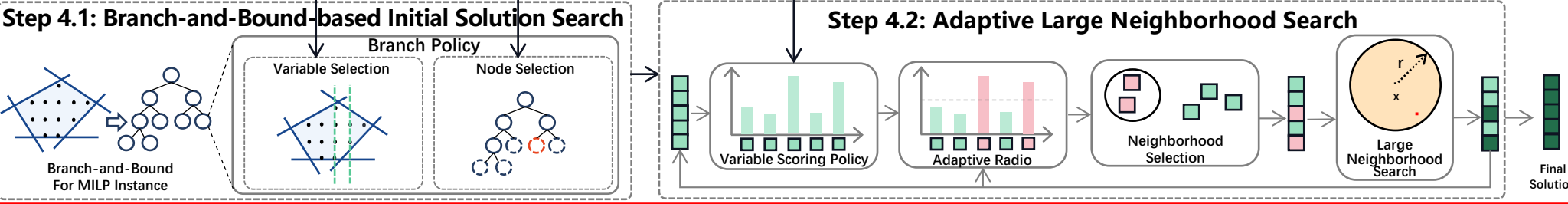
Step 3: Parameter Search in Generating Large-Scale Instance



Testing Data



Step 4: MILP Solver



● constraint node
 ● variable node
 node's embedding
 — constraint
 fixed variable
 variable to be optimized
 optimized variable
 feasible region
 • integer solution