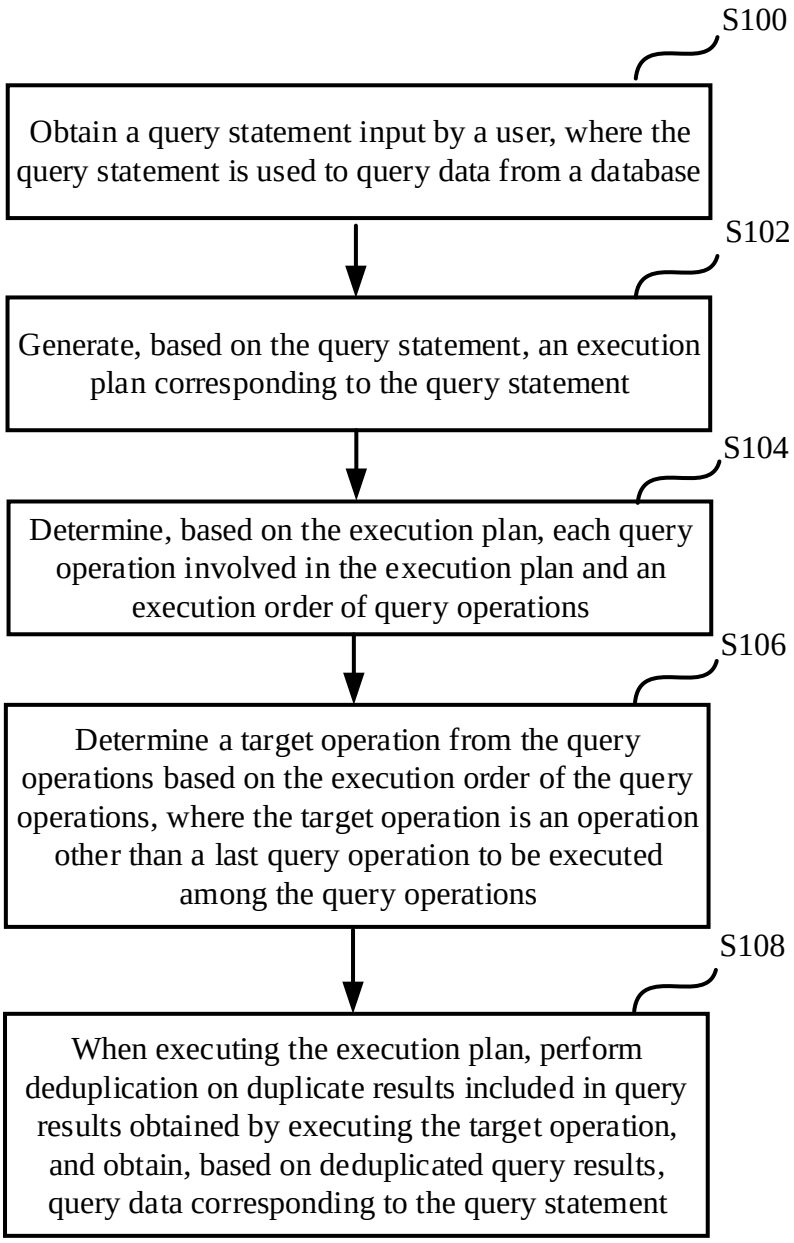

S100
Obtain a query statement input by a user, where the query statement is used to query data from a database
S102
Generate, based on the query statement, an execution plan corresponding to the query statement
S104
Determine, based on the execution plan, each query operation involved in the execution plan and an execution order of query operations
S106
Determine a target operation from the query operations based on the execution order of the query operations, where the target operation is an operation other than a last query operation to be executed among the query operations
S108
When executing the execution plan, perform deduplication on duplicate results included in query results obtained by executing the target operation, and obtain, based on deduplicated query results, query data corresponding to the query statement

FIG. 1

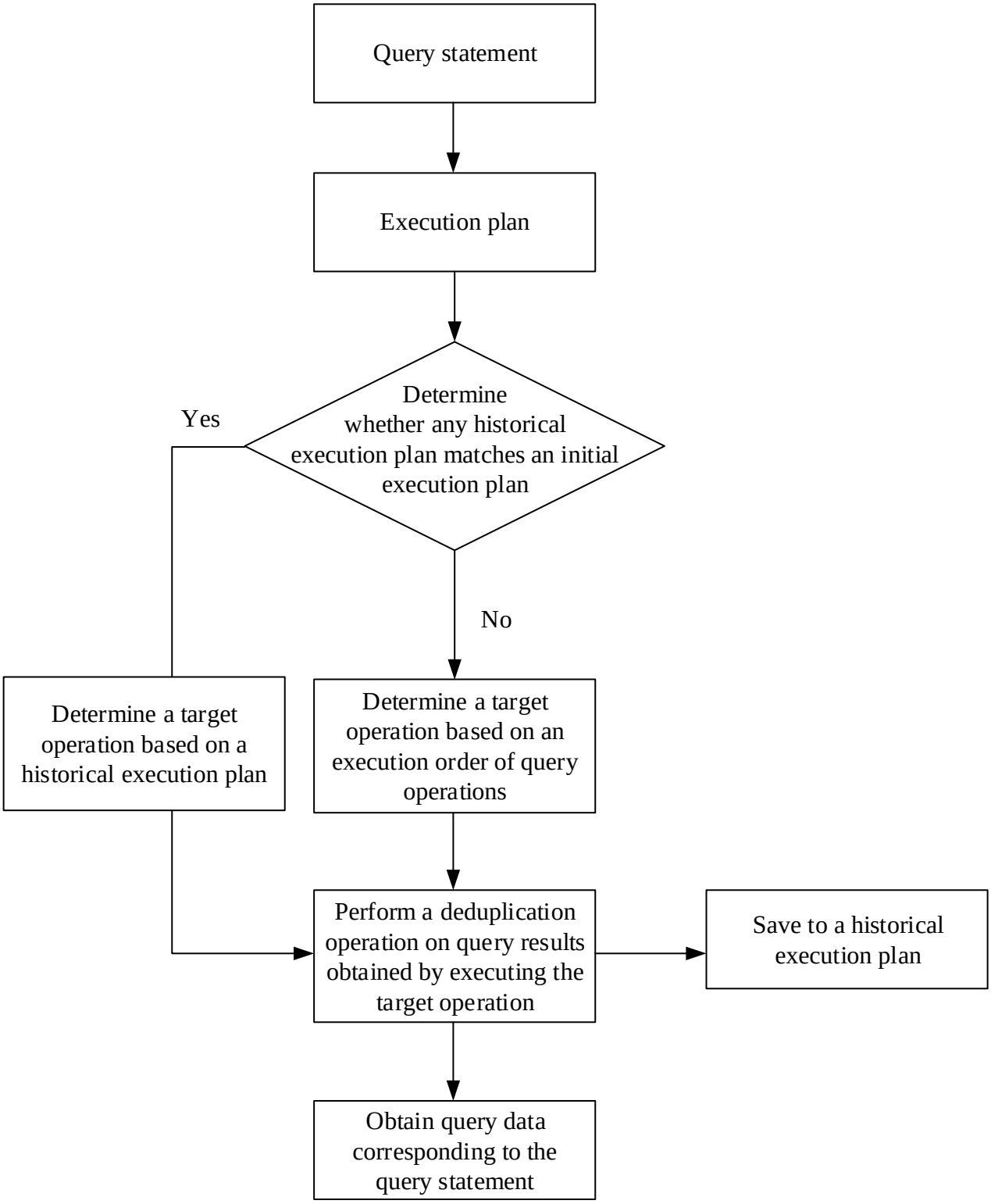

Query statement
Execution plan
Determine whether any historical execution plan matches an initial execution plan
Yes
No
Determine a target operation based on a historical execution plan
Determine a target operation based on an execution order of query operations
Perform a deduplication operation on query results obtained by executing the target operation
Save to a historical execution plan
Obtain query data corresponding to the query statement

FIG. 2

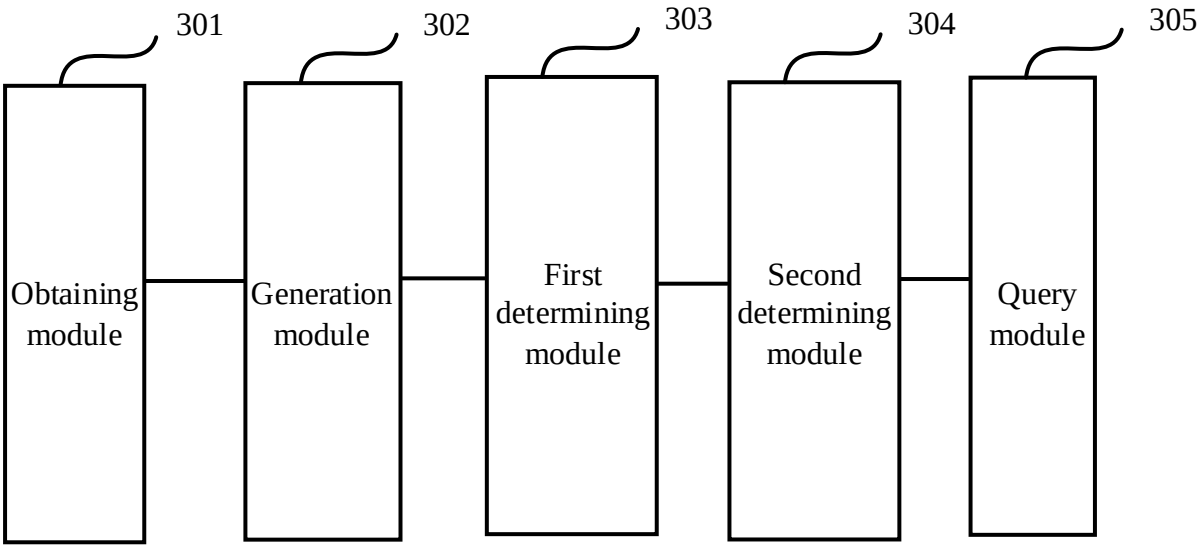

301
302
303
304
305
Obtaining module
Generation module
First determining module
Second determining module
Query module

FIG. 3

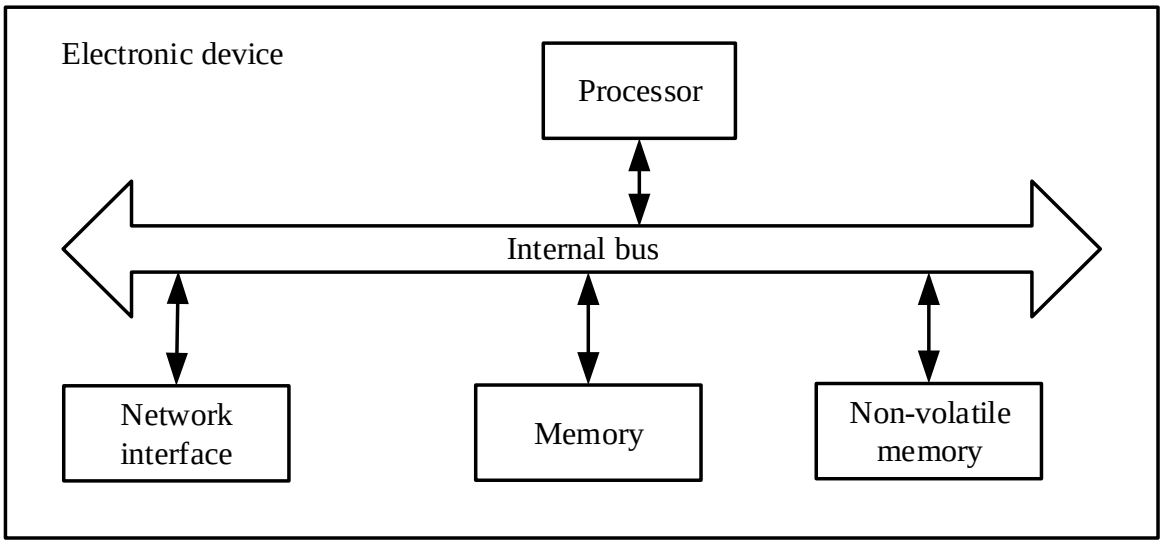

Electronic device
Processor
Internal bus
Network interface
Memory
Non-volatile memory

FIG. 4