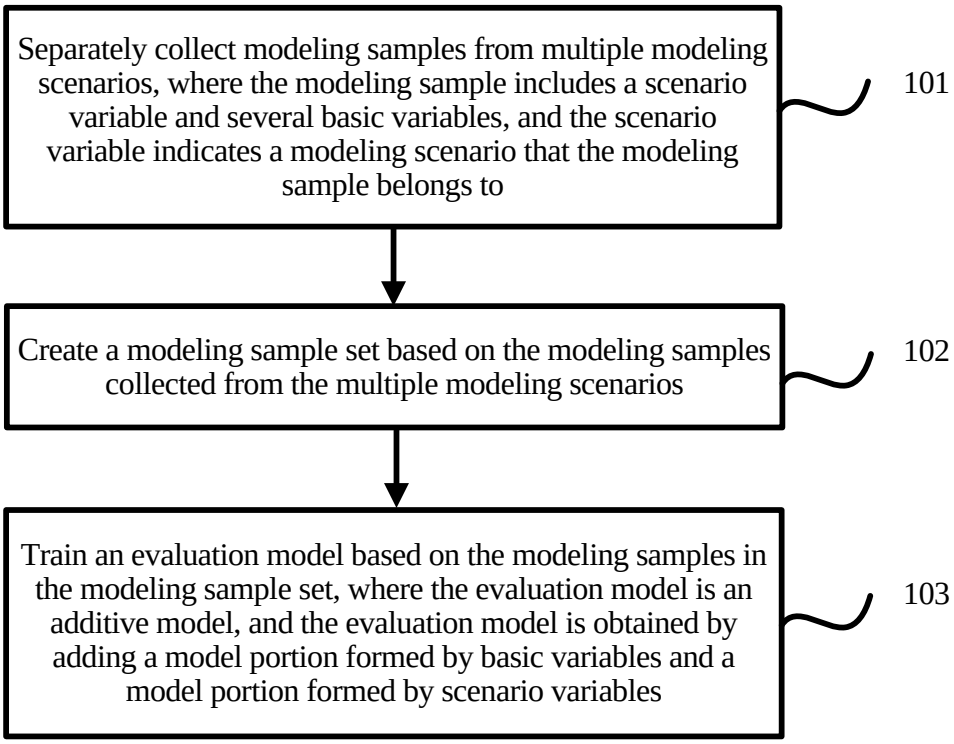

Separately collect modeling samples from multiple modeling scenarios, where the modeling sample includes a scenario variable and several basic variables, and the scenario variable indicates a modeling scenario that the modeling sample belongs to
101
Create a modeling sample set based on the modeling samples collected from the multiple modeling scenarios
102
Train an evaluation model based on the modeling samples in the modeling sample set, where the evaluation model is an additive model, and the evaluation model is obtained by adding a model portion formed by basic variables and a model portion formed by scenario variables
103

FIG. 1

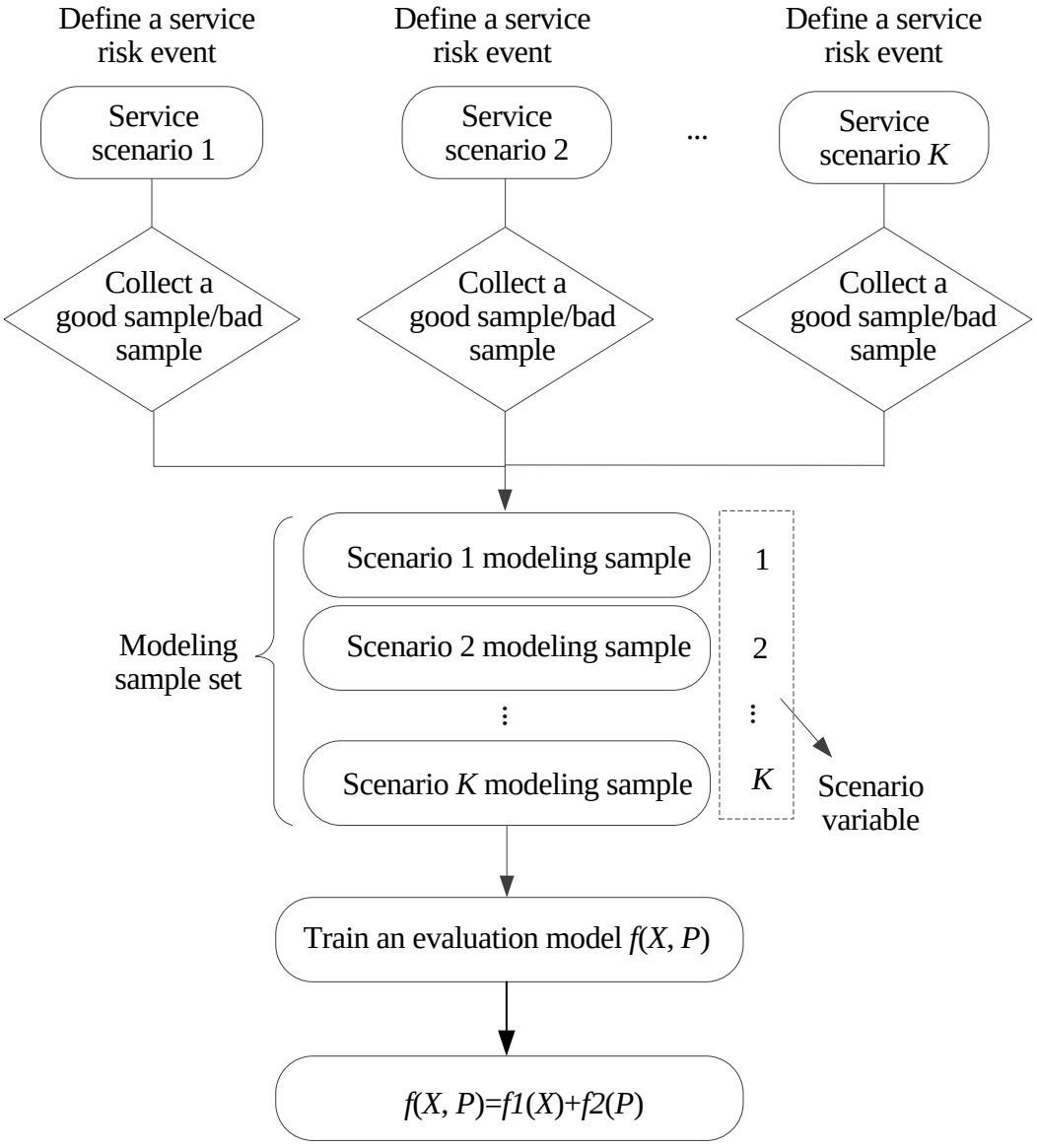

Define a service risk event
Define a service risk event
Define a service risk event
Service scenario 1
Service scenario 2
...
Service scenario K
Collect a good sample/bad sample
Collect a good sample/bad sample
Collect a good sample/bad sample
Scenario 1 modeling sample
Scenario 2 modeling sample
Scenario K modeling sample
Modeling sample set
1
2
K
Scenario variable
Train an evaluation model f(X, P)
f(X, P)=f1(X)+f2(P)

FIG. 2

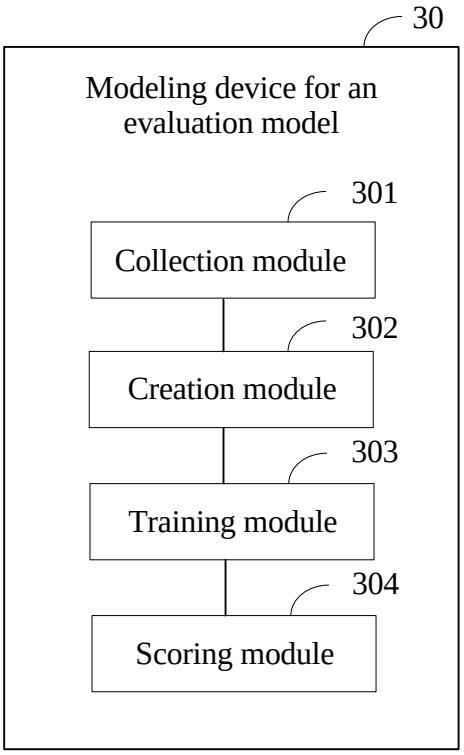

30
Modeling device for an evaluation model
301
Collection module
302
Creation module
303
Training module
304
Scoring module

FIG. 3

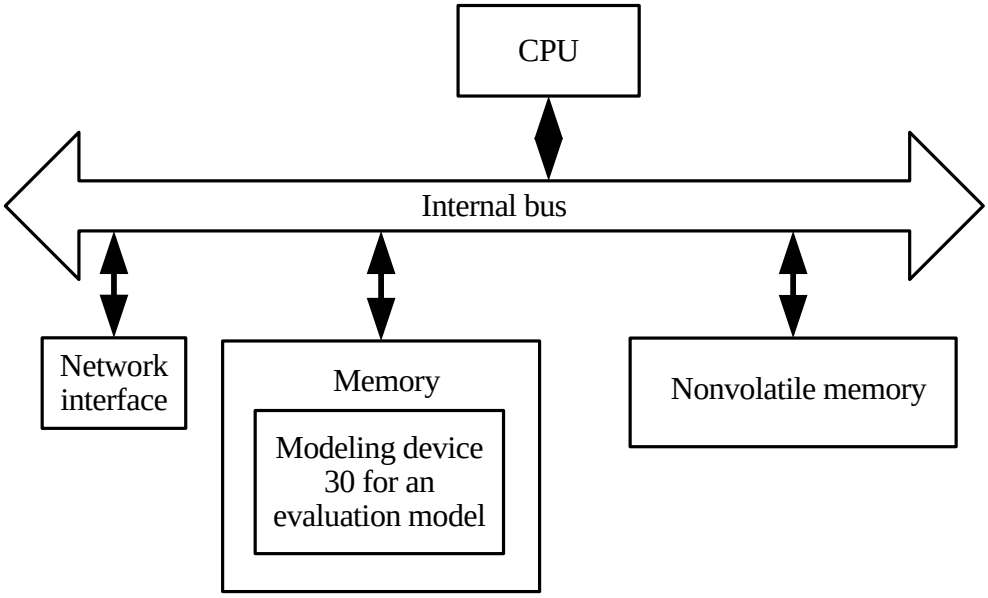

CPU
Internal bus
Network interface
Memory
Modeling device 30 for an evaluation model
Nonvolatile memory

FIG. 4