CLAIMS

1. An operational plan optimization device executing discrete simulation processes of an operation in parallel by a plurality of simulators provided in parallel to optimize the operation, wherein the operational plan optimization device comprising:

an integrated control processing unit; and

a plurality of simulators communicably connected to and controlled integrally by the integrated control processing unit, and each of the simulators is configures as a computer that performs a partial process of the discrete simulation process, wherein

the integrated control processing unit is configured to:

recognize a varying processable amount over time within a predetermined period of each of the simulators;

transmit a simulation request for a simulation process for the operation of each of the simulators to each of the simulators together with an operation state information group and a simulation condition;

receive a plurality of evaluation value groups as a simulation process result based on the operation state information group and the simulation condition from each of the simulators; and

recognize a highest evaluation value group based on an operation objective function among a plurality of received evaluation value groups.

2. The operational plan optimization device according to claim 1, wherein

the evaluation value group includes a degree of similarity to a present operation as an evaluation value.

3. The operational plan optimization device according to claim 1 or 2, further comprising:

an operation state information acquisition unit that acquires the operation state information, wherein

the operation state information is transmitted from the operation state information acquisition unit to the integrated control processing unit.