

[ABSTRACT]

A schedule creation assisting device 100 includes: a storage unit that stores information on a total working time length in a specified period of each of workers who work in cooperation in a specified operation, a number of the workers necessary at each timing during the period, and a constraint condition regarding allocation of the workers to the operation; and a computation unit 104 that computes an Ising model in which, regarding an objective function including, as terms, the total working time length in the period, the number of necessary workers, and a constraint condition function that is minimized when the constraint condition is satisfied, whether each of the workers is to attend at work is set as a spin, and a sensitivity between variables of the constraint condition function is set as an intensity of interaction between the spins, and that outputs a schedule in which whether each of the workers is to attend at work at the each timing during the specified period is specified based on the result.