

[ABSTRACT]

This positioning configuration design device includes a positioning configuration setting unit that excludes facilities which are likely to be able to be excluded from facilities respectively positioned at a plurality of locations and sets a positioning configuration of the facilities; a feasibility confirmation unit that judges whether predetermined conditions are feasible or not in the set positioning configuration of the facilities; an exclusion candidate list updating unit that registers, in an exclusion candidate list, information of the facilities excluded in the positioning configuration in which the conditions are feasible, a non-excludable list updating unit that registers, in a non-excludable list, information of the facilities excluded in the positioning configuration in which the conditions are not feasible; and a control unit that repeatedly executes confirmation processing including setting of the positioning configuration and judgment of feasibility of the conditions while incrementing the number of facilities to be excluded one at a time until a positioning configuration in which the conditions are feasible and no further facilities are able to be excluded is able to be calculated.