## ABSTRACT

To support work of an operator of a monitoring system to set a monitoring rule depending on an environment to be monitored. An information processing system includes an environment expression extracting unit which extracts environment expressions from incident information expressing a certain incident, which includes the environment expressions ~~which are expressions~~ expressing environments to be monitored and action expressions ~~which are expressions~~ expressing actions performed in the environments~~, and is information expressing a certain incident by the expressions~~; an action expression extracting unit which extracts the action expressions from the incident information; and an information collecting unit which generates information in which the extracted action expressions are associated with the environment expressions expressing the environments when the actions expressed by the action expressions have been performed among the extracted environment expressions, conducts a search with respect to the generated information, with the action expressions as a key, and calculates, on the basis of the search, frequency at which the environment expressions have been extracted.