 STRIPS

STRIPS is the first major planning system proposed by Fikes and Nilsson. The representation language used by STRIPS has been far more influential than its algorithmic approach; what we call the “classical” language is close to what STRIPS used [1]. A STRIPS instance is consisted of:

1. An initial state

2. Specification of goal states

3. A set of actions

a. each action includes preconditions

b. each action includes postconditions

A plan for such a planning instance is a sequence of operators that can be executed from the initial state and that leads to a goal state [2].

[1] Russel, Stuart and Norvig, Peter. Artificial Intelligence: A Modern Approach 3rd Edition, P.393-396

[2] https://en.wikipedia.org/wiki/STRIPS