```
1  for each action 𝒜 in the Plan Instance File do
2  |  Interpreter;
3  |  converts 𝒜 into a set 𝒮 of Canonical Robot Language commands;
4  |  stores 𝒮 in Canonical Robot Language Plan;
5  end
6  for each set 𝒮 in Canonical Robot Language Plan do
7  |  Robot Controller reads 𝒮;
8  |  System Monitor calls Predicate Evaluation;
9  |  Predicate Evaluation;
10 |   traces back action 𝒜 from set 𝒮;
11 |   computes truth-value of predicates for action 𝒜 precondition;
12 |  if output of Predicate Evaluation is true then
13 |  |  Robot Controller executes 𝒮;
14 |  |  Predicate Evaluation computes truth-value of predicates for
   |  |  action 𝒜 effect;
15 |  |  if output of Predicate Evaluation is true then
16 |  |  |  end;
17 |  |  end
18 |  |  else failure;
19 |  end
20 |  else failure;
21 end
```