

at runtime by the planner 220 of the agent ensuring that the variable ?Link-141.from is bound to the same token as ?Link131.from.

The ordering specifies the order in which the preconditions should be tried. In this case it states the planner should attempt to obtain a resource satisfying the
5 resource description ?Link-131 before attempting to obtain a resource satisfying the description ?Link-136.

A consumed_fact resource description with the scope field set to local is a flag to the planner 220 that it should only try to obtain the required resource locally, i.e. not subcontract-out the resource to another agent. Consumed facts
10 with global scope fields can be sub-contracted out to other agents for production. For a produced_fact, if its scope field is local, this is signal to the planner not to use this task when trying to achieve that particular. A local scope field indicates the task can be used when trying to produce the resource.

The following is an example of a task description:

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(:name LinkA2B

:time 1

:cost 70

:consumed_facts ((:type Link

20

:id 136

:var true

:scope local

:attributes (:to ?var-138

:from ?var-139

25

:no ?var-140

)

)

(:type Link

:id 131

30

:var true

:scope global